

Electronic Supplementary Information

Structure-based design of novel combinatorially generated NBTIs as potential DNA gyrase inhibitors against various *Staphylococcus aureus* mutant strains

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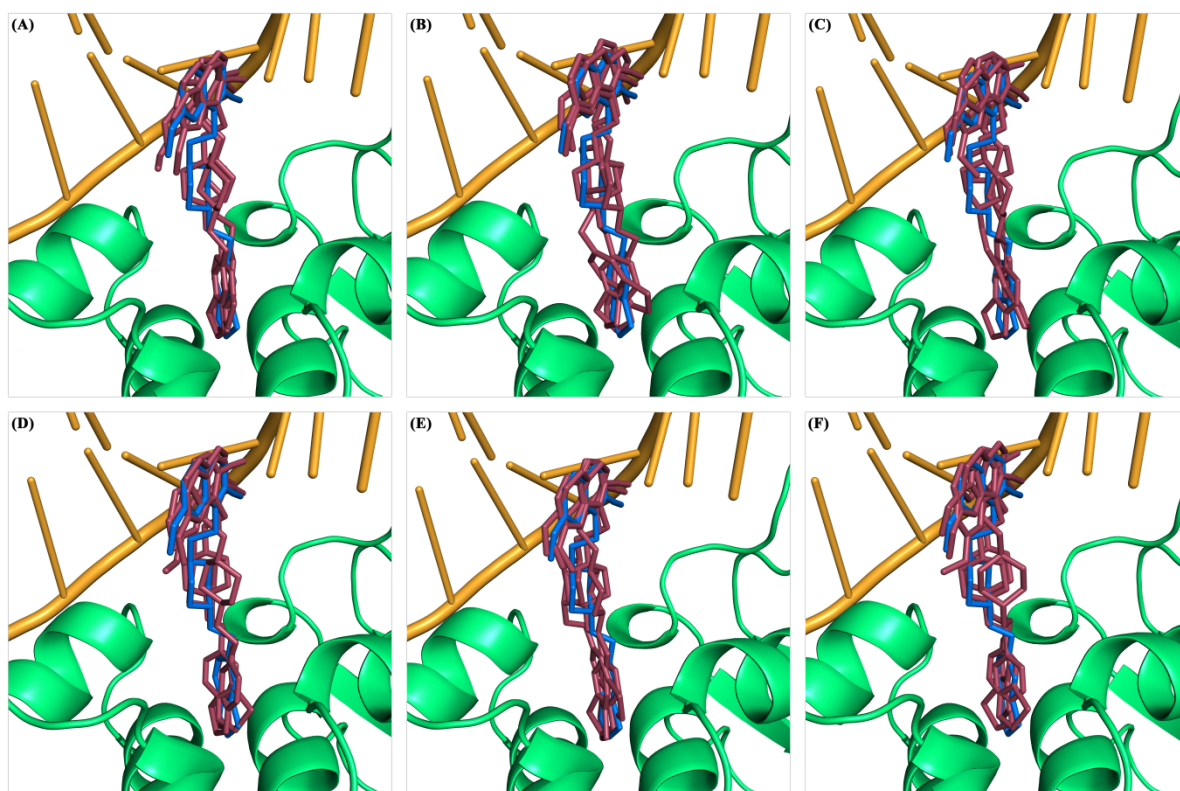
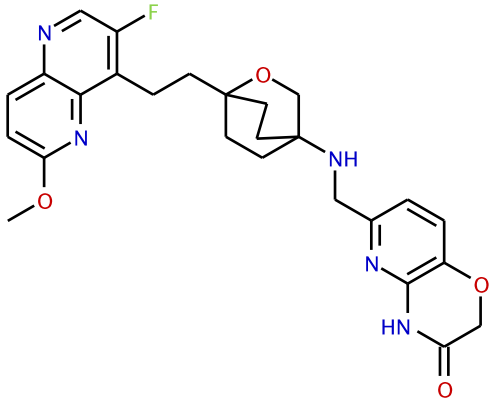
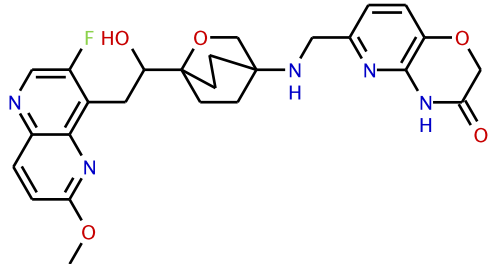
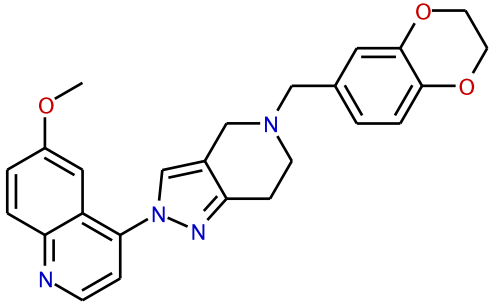
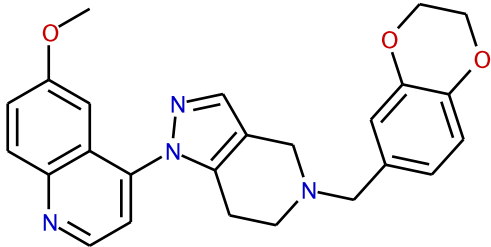
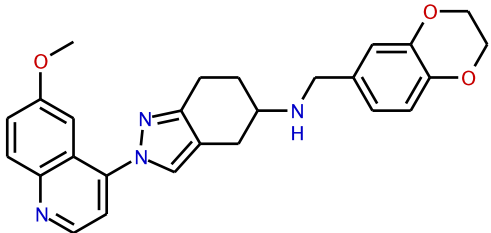
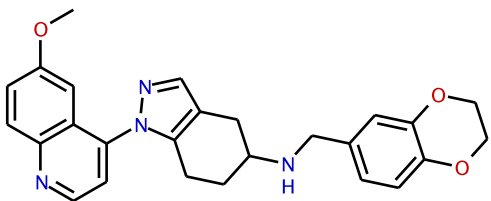
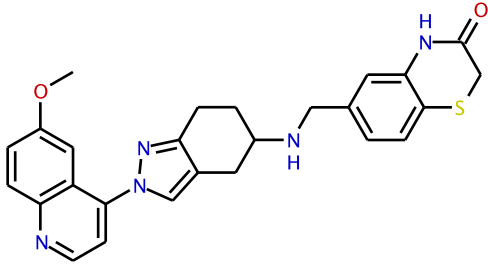
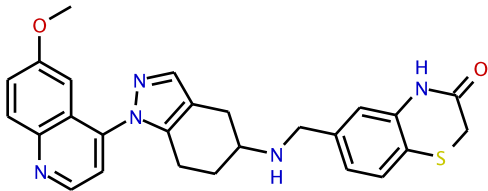
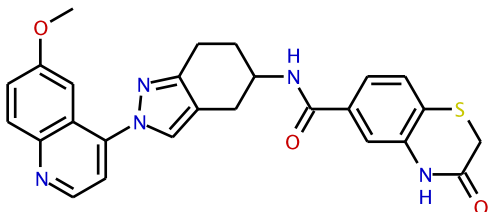
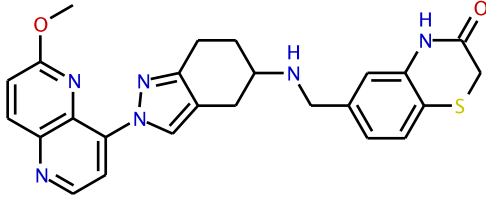
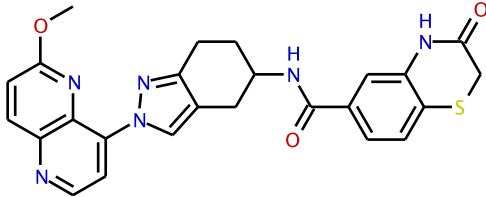
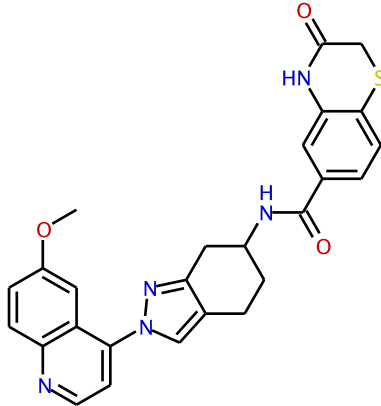


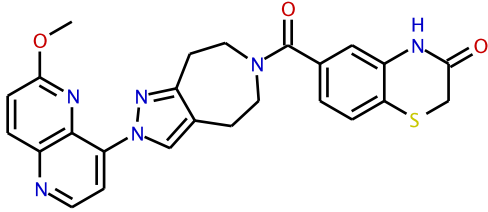
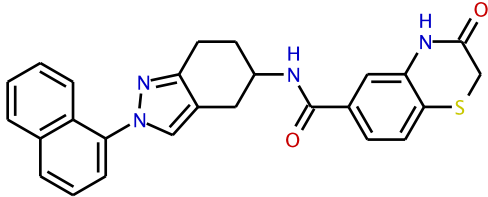
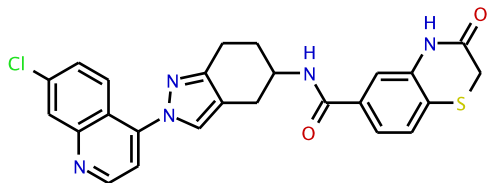
Figure S1. Spatial comparison of natively presented NBTI (GSK299423) conformation and its calculated dock poses for (A) WT enzyme and mutant homology models: (B) D83G_{mod}, (C) D83N_{mod}, (D) M121K_{mod}, (E) D83G+M121K_{mod} and (F) D83N+M121K_{mod}. The co-crystallized conformation is represented in blue, while its re-produced dock poses (separately for each model) are depicted in raspberry red. *gyrA* subunits are colored in green, while bacterial DNA in solid orange.

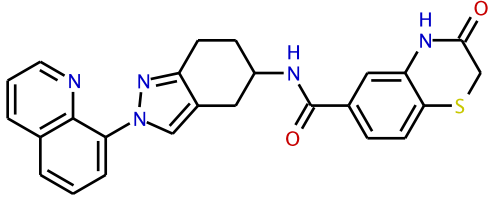
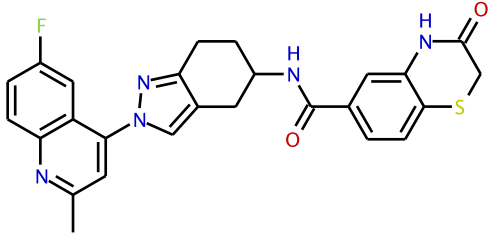
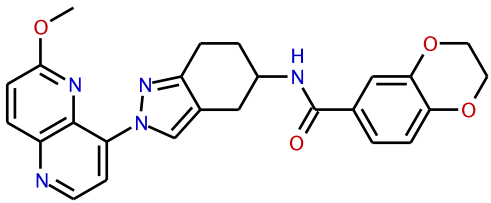
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ID	Chemical Structure	IC50exp (uM)	pIC50exp
1.	 comp01	0.22	1.5141
2.	 comp02	1.02	-0.0198
3.	 comp03	8	-2.0794

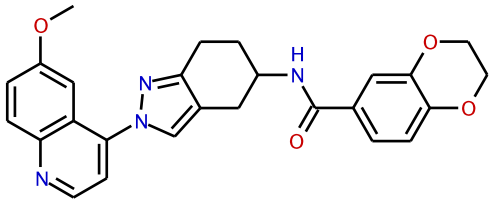
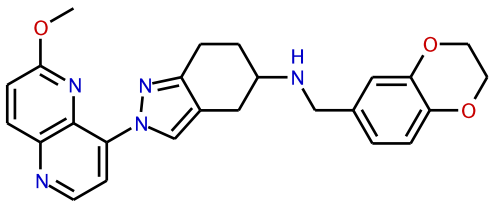
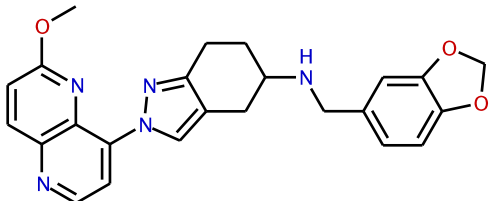
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4.	 comp04	8	-2.0794
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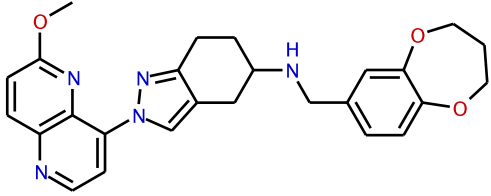
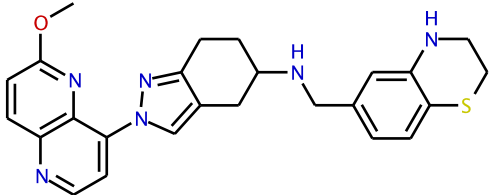
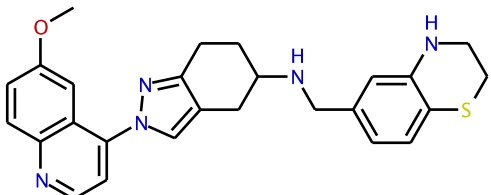
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7.	 comp07	0.06	2.8134
8.	 comp08	2	-0.6931
9.	 comp09	0.12	2.1203

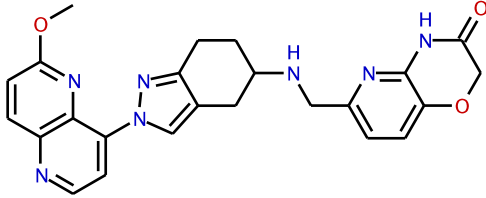
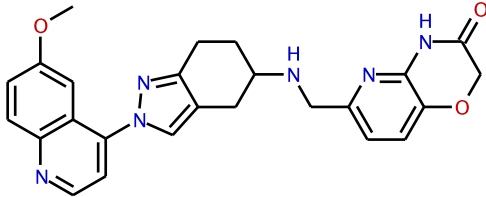
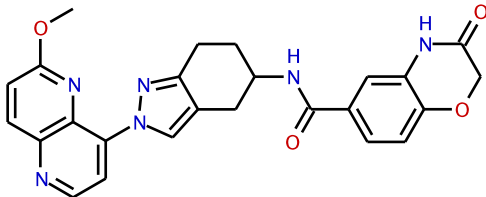
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11.	 comp11	0.06	2.8134
12.	 comp12	8	-2.0794

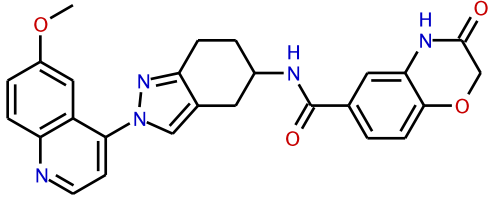
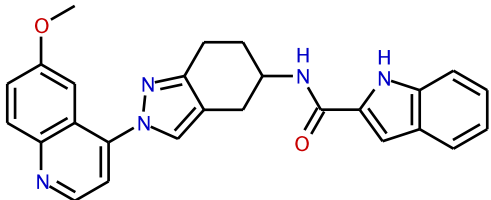
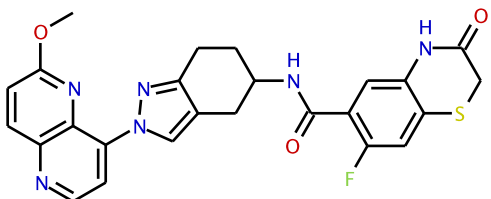
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13.	 comp13	0.25	1.3863
14.	 comp14	2	-0.6931
15.	 comp15	16	-2.7726

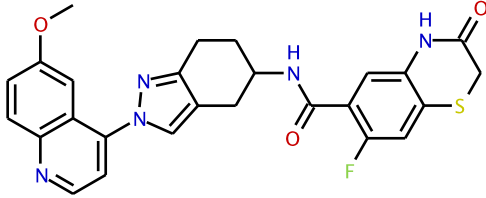
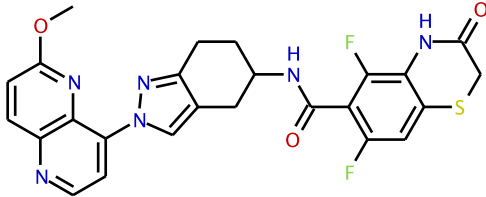
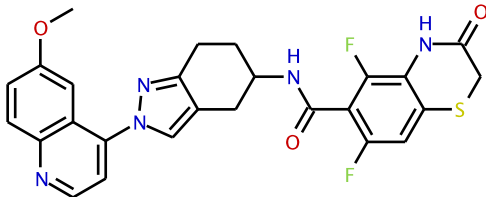
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17.	 comp17	4	-1.3863
18.	 comp18	32	-3.4657

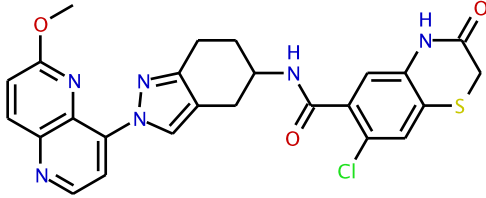
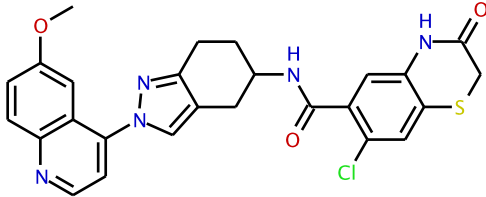
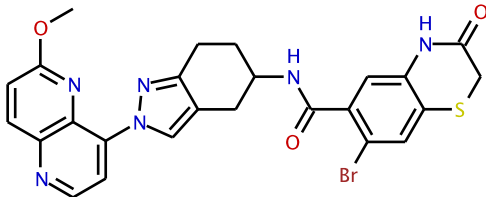
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21.	 comp21	0.25	1.3863

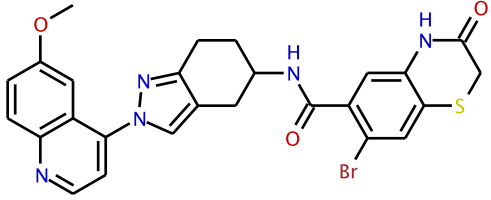
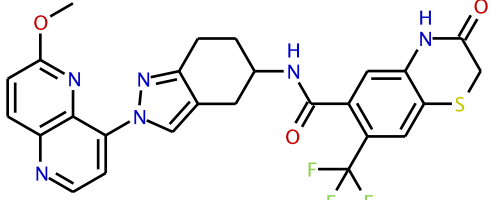
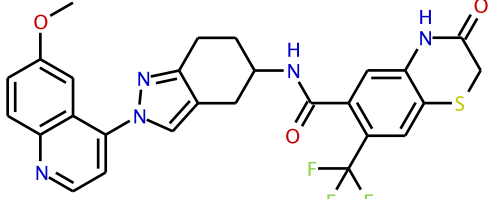
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23.	 comp23	0.5	0.6931
24.	 comp24	0.5	0.6931

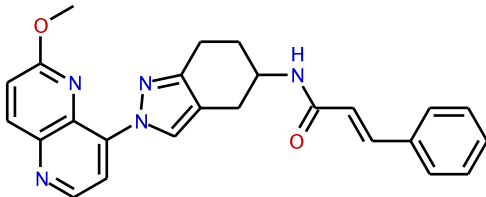
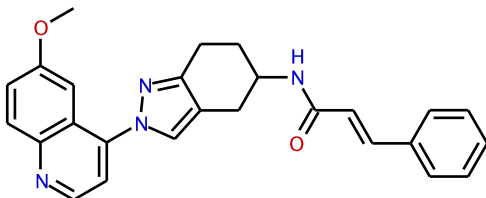
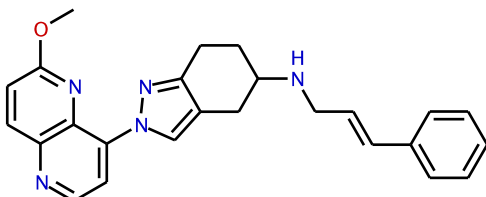
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25.	 comp25	0.125	2.0794
26.	 comp26	0.06	2.8134
27.	 comp27	1	0.0000

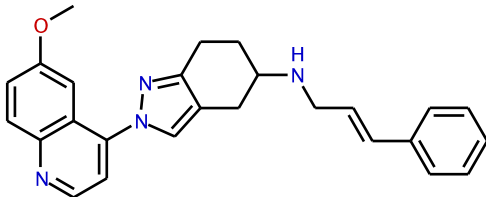
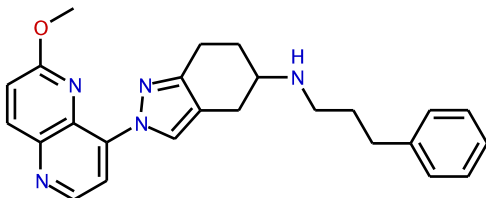
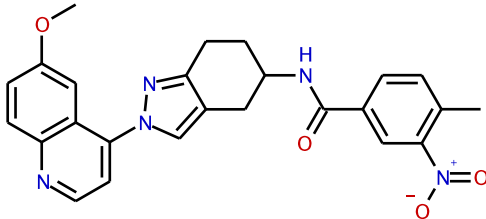
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28.	 comp28	0.25	1.3863
29.	 comp29	16	-2.7726
30.	 comp30	0.12	2.1203

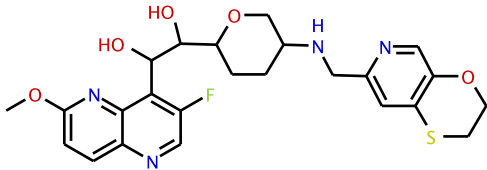
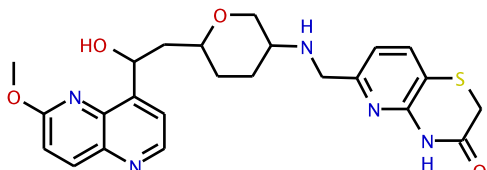
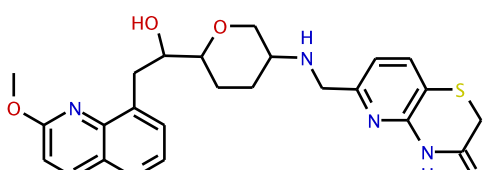
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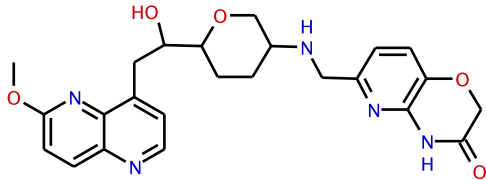
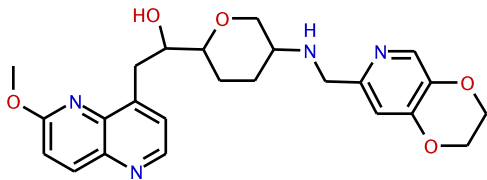
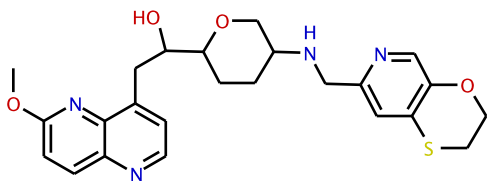
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34.	 comp34	0.12	2.1203
35.	 comp35	0.5	0.6931
36.	 comp36	0.25	1.3863

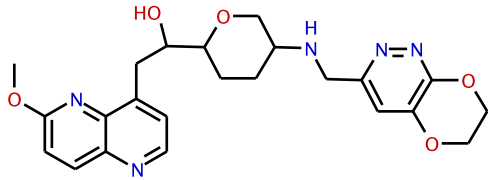
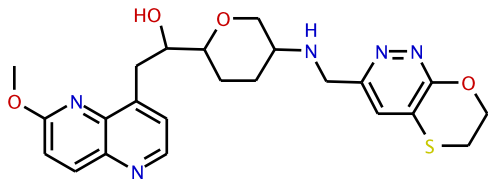
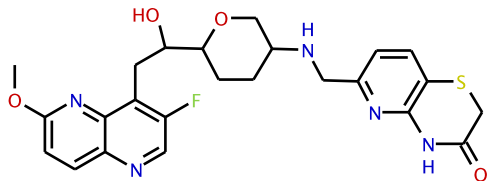
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39.	 comp39	1	0.0000

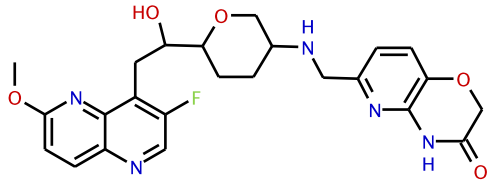
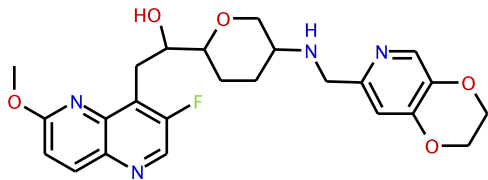
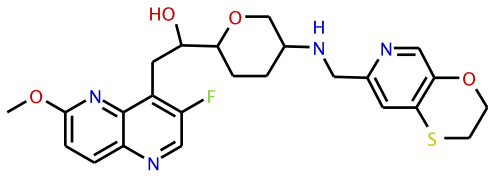
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41.	 comp41	16	-2.7726
42.	 comp42	0.12	2.1203

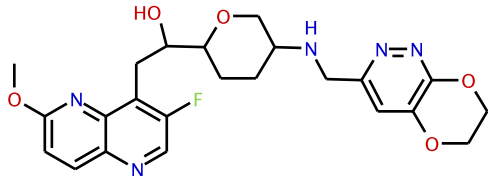
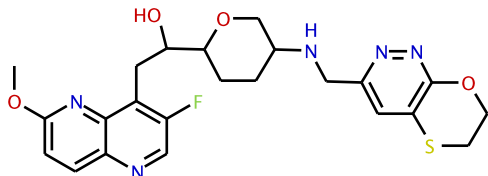
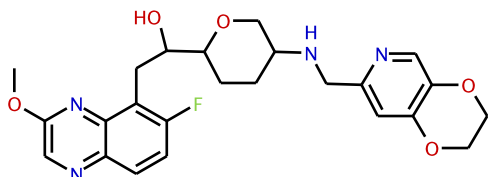
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45.	 comp45	16	-2.7726

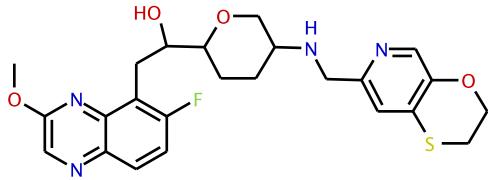
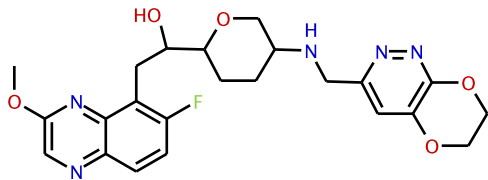
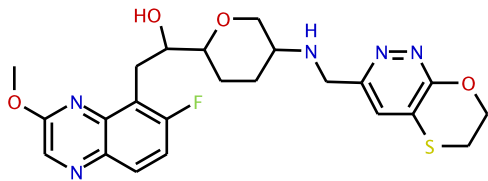
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47.	 comp47	0.03	3.5066
48.	 comp48	0.5	0.6931

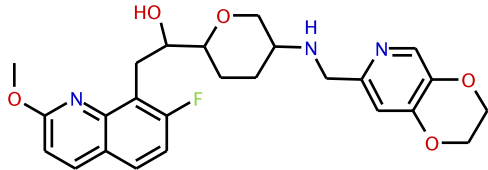
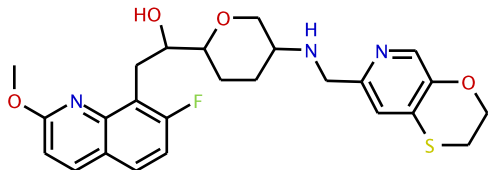
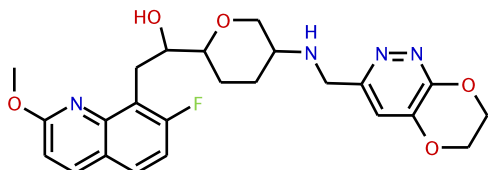
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50.	 comp50	0.5	0.6931
51.	 comp51	0.12	2.1203

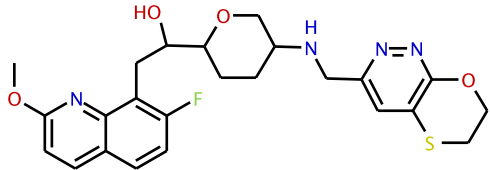
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53.	 comp53	0.5	0.6931
54.	 comp54	0.03	3.5066

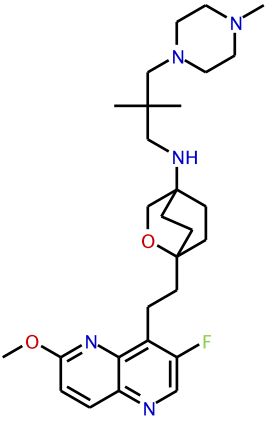
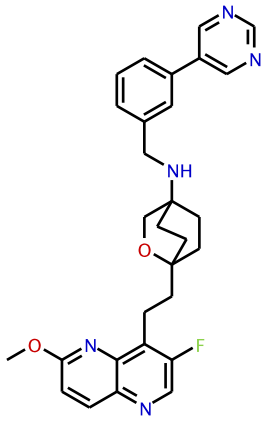
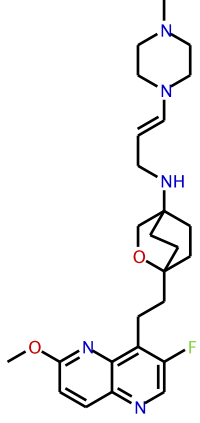
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57.	 comp57	0.03	3.5066

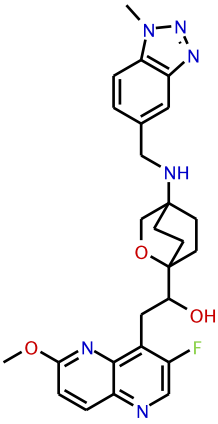
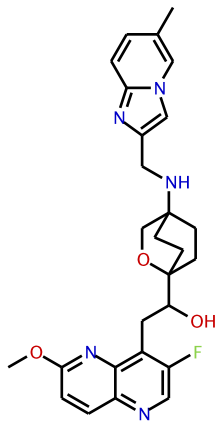
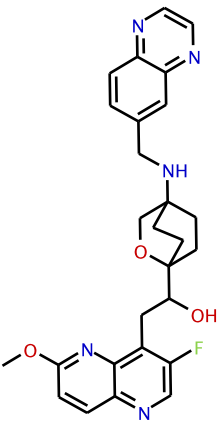
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59.	 comp59	0.125	2.0794
60.	 comp60	0.125	2.0794

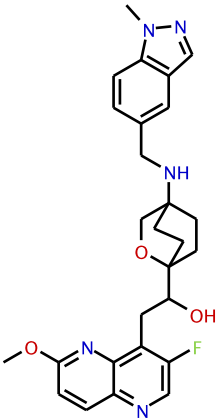
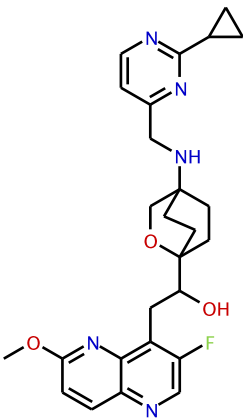
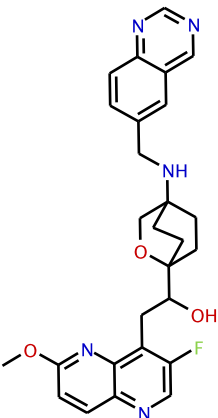
NBTIexp			
ID	Chemical Structure	IC50exp (uM)	pIC50exp
61.	 comp61	0.03	3.5066
62.	 comp62	0.125	2.0794
63.	 comp63	0.03	3.5066

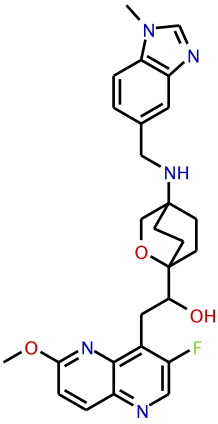
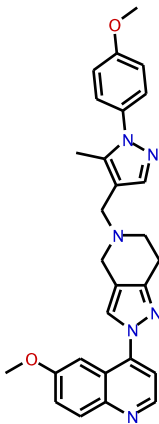
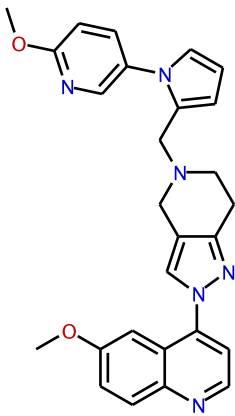
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64.	 comp64	0.125	2.0794
65.	 comp65	0.03	3.5066
66.	 comp66	0.125	2.0794

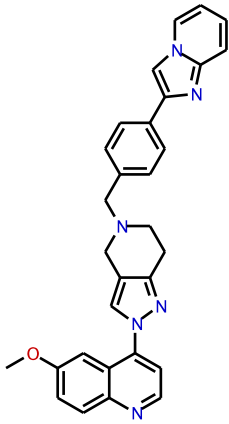
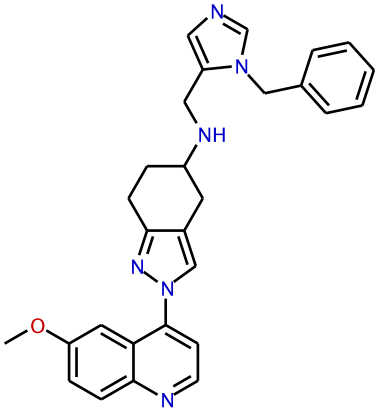
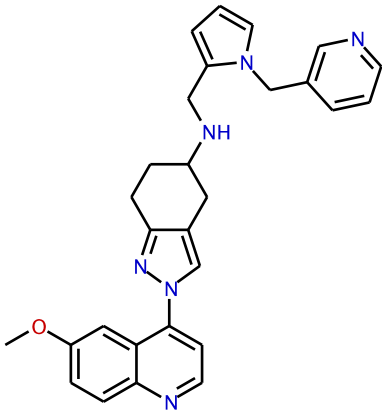
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67.	 comp67	0.125	2.0794

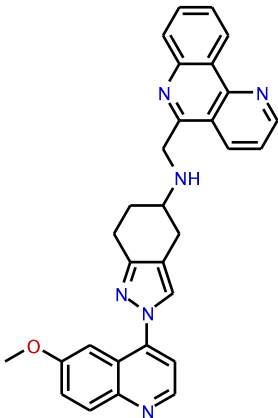
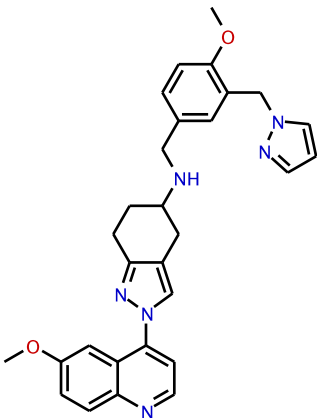
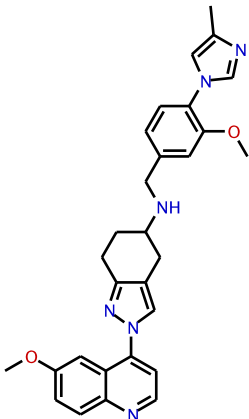
NBTIcombi			
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1.	 OXBC-01-181	1.9289	-0.2853
2.	 OXBC-01-371	0.5026	0.2988
3.	 OXBC-01-395	1.5707	-0.1961

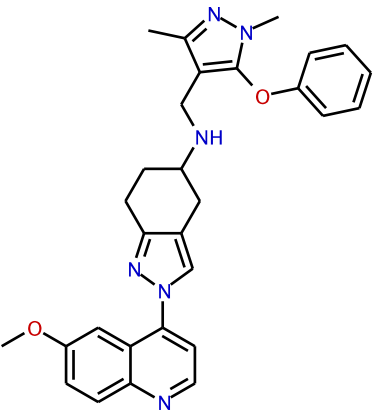
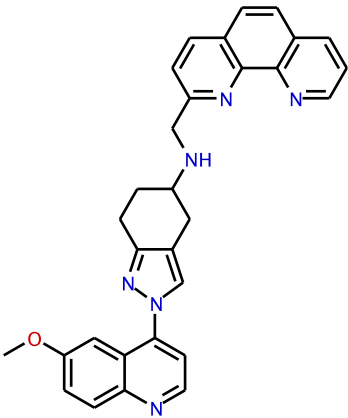
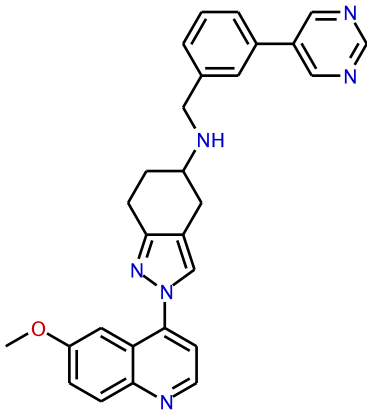
NBTIcombi			
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4.	 OXBC-02-016	0.4034	0.3943
5.	 OXBC-02-114	0.7967	0.0987
6.	 OXBC-02-184	1.9902	-0.2989

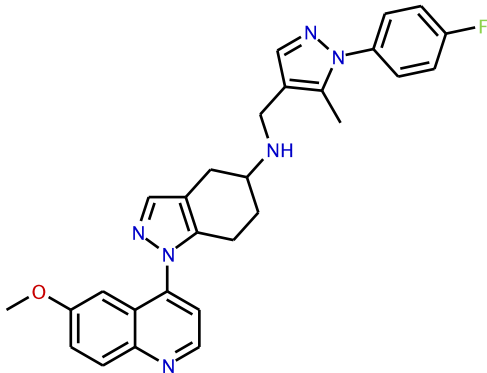
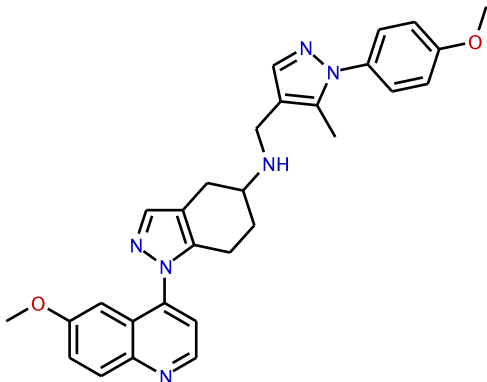
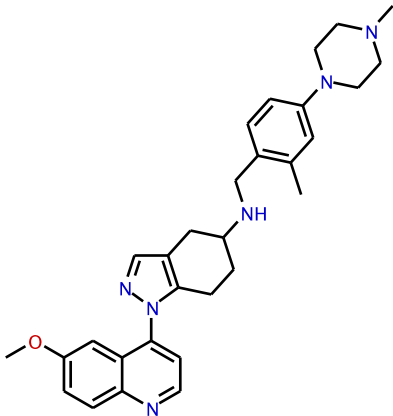
NBTIcombi			
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7.	 OXBC-02-252	0.2345	0.6299
8.	 OXBC-02-254	1.0812	-0.0339
9.	 OXBC-02-284	1.5325	-0.1854

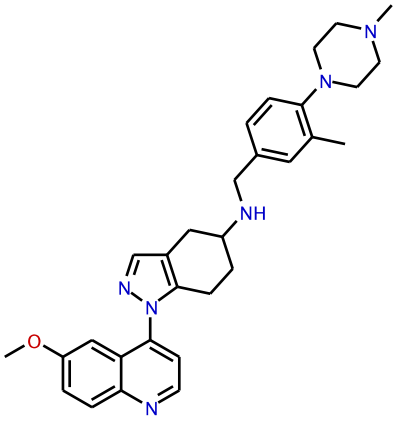
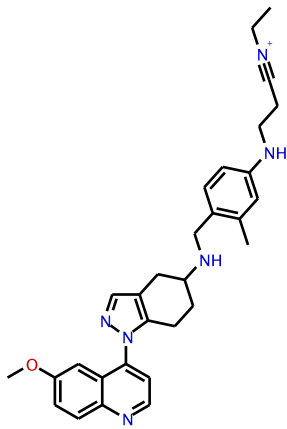
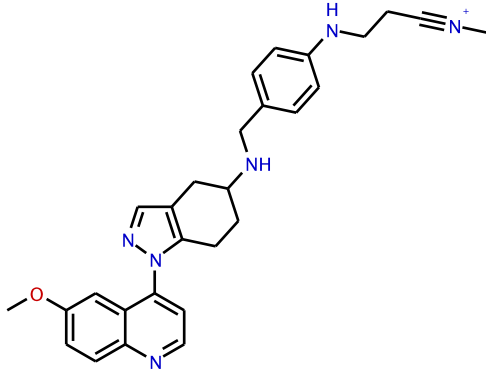
NBTIcombi			
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10.	 OXBC-02-310	0.5585	0.2530
11.	 THIND-01-030	0.4726	0.3255
12.	 THIND-01-049	1.5639	-0.1942

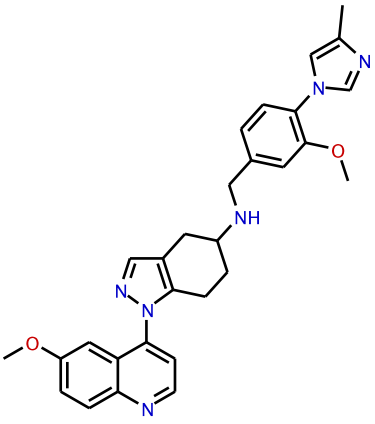
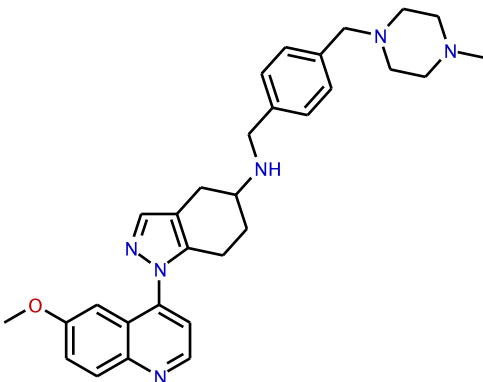
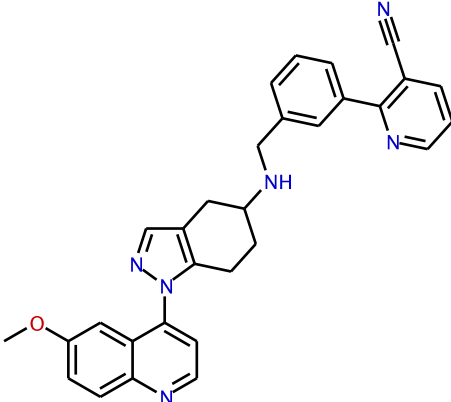
NBTIcombi			
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13.	 THIND-01-116	0.5836	0.2339
14.	 THIND-03-044	1.8382	-0.2644
15.	 THIND-03-048	1.0325	-0.0139

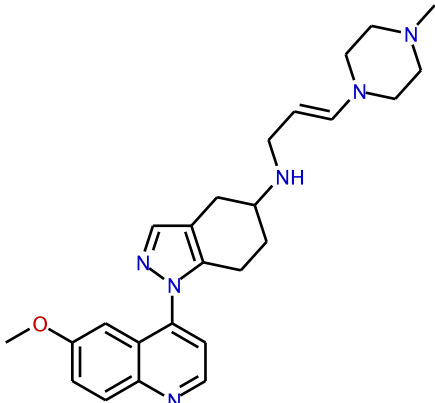
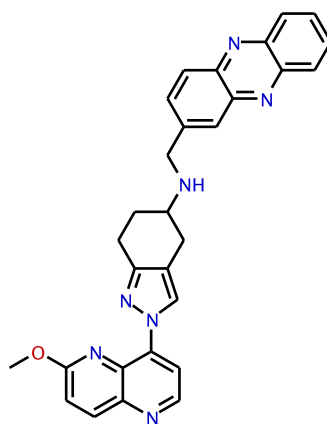
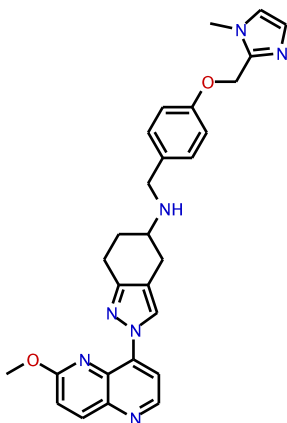
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
16.	 THIND-03-131	0.5055	0.2963
17.	 THIND-03-137	0.3380	0.4711
18.	 THIND-03-260	1.8076	-0.2571

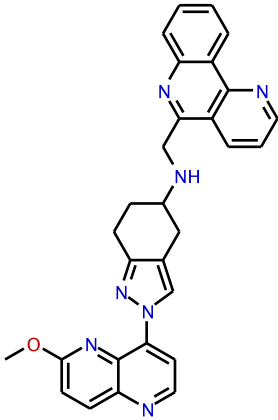
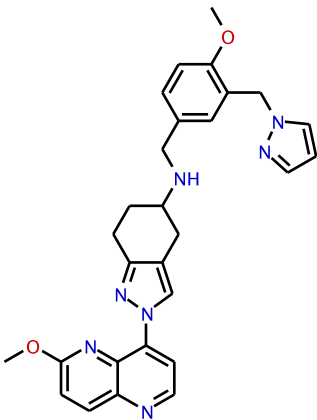
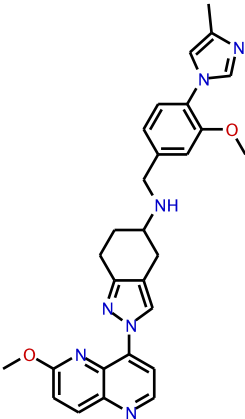
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
19.	 THIND-03-354	0.7537	0.1228
20.	 THIND-03-369	1.0195	-0.0084
21.	 THIND-03-371	1.1590	-0.0641

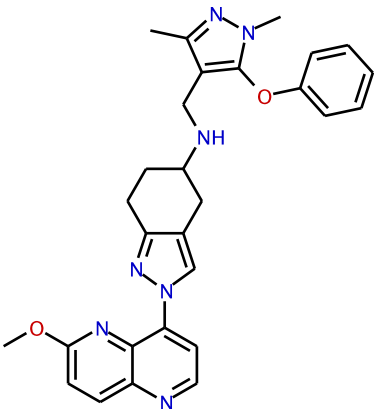
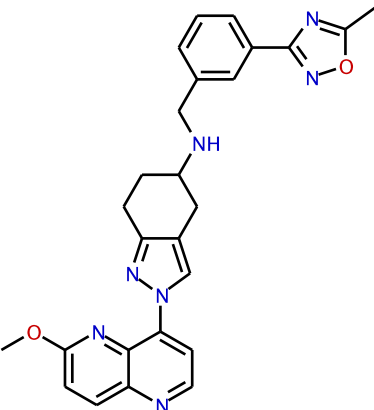
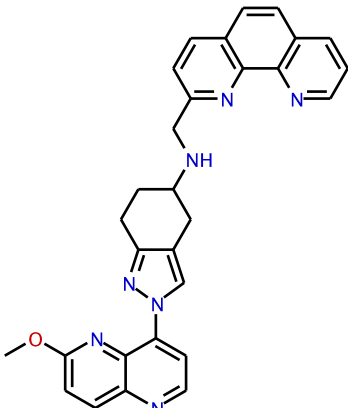
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
22.	 THIND-04-028	1.6916	-0.2283
23.	 THIND-04-030	0.8000	0.0969
24.	 THIND-04-160	1.0792	-0.0331

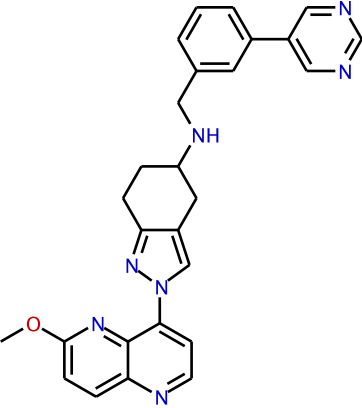
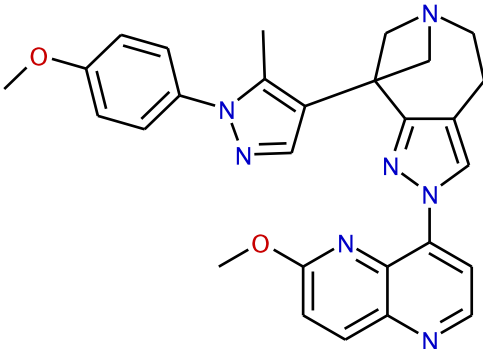
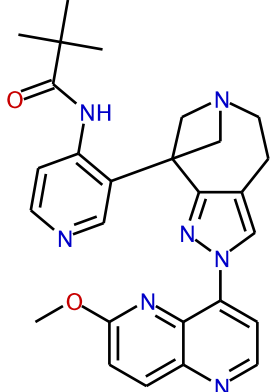
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
25.	 THIND-04-163	0.6761	0.1700
26.	 THIND-04-211	0.9772	0.0100
27.	 THIND-04-213	0.9486	0.0229

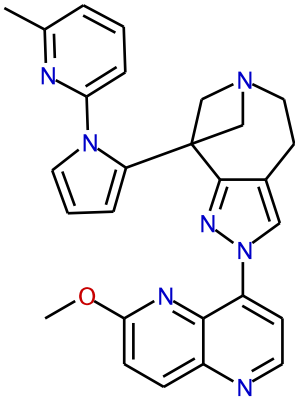
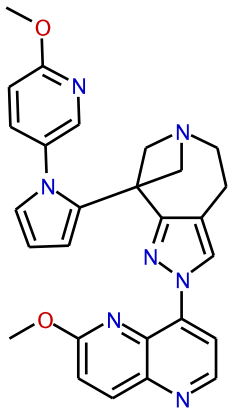
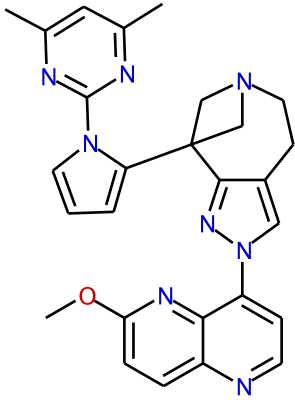
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
28.	 THIND-04-260	1.0750	-0.0314
29.	 THIND-04-350	1.8625	-0.2701
30.	 THIND-04-393	1.8694	-0.2717

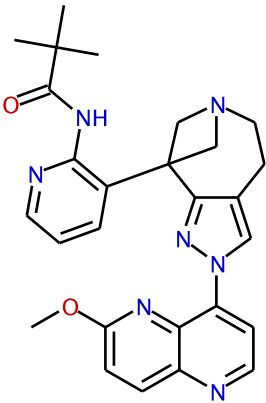
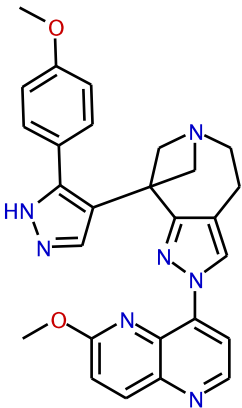
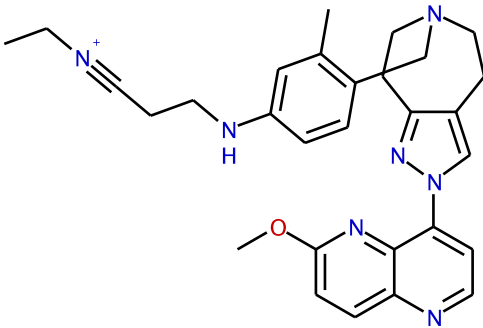
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
31.	 THIND-04-395	1.2691	-0.1035
32.	 THIND-05-105	1.9838	-0.2975
33.	 THIND-05-113	1.3772	-0.1390

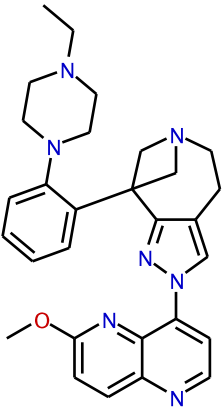
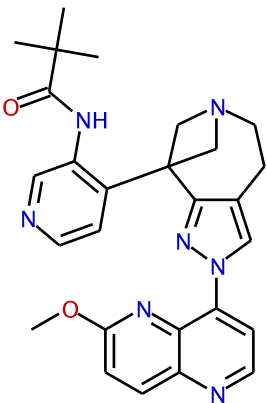
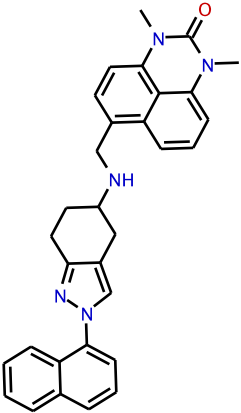
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
34.	 THIND-05-131	0.7640	0.1169
35.	 THIND-05-137	0.4292	0.3673
36.	 THIND-05-260	0.9986	0.0006

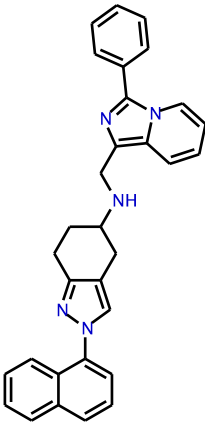
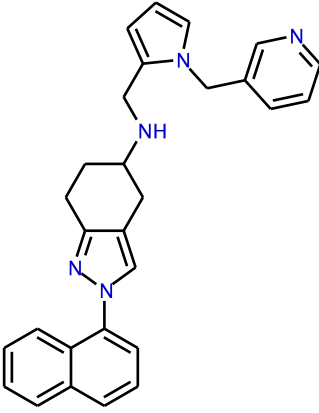
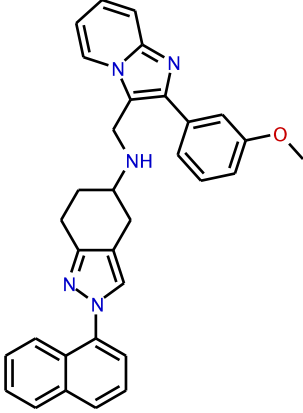
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
37.	 THIND-05-354	1.0414	-0.0176
38.	 THIND-05-355	1.9507	-0.2902
39.	 THIND-05-369	1.3580	-0.1329

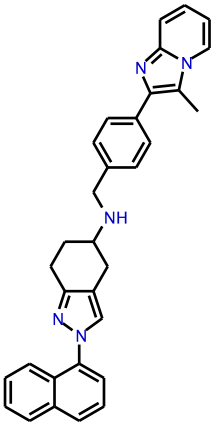
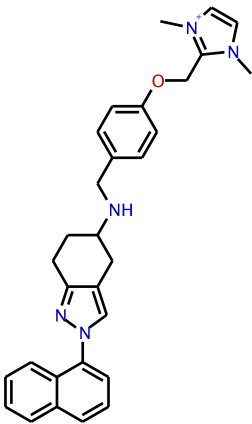
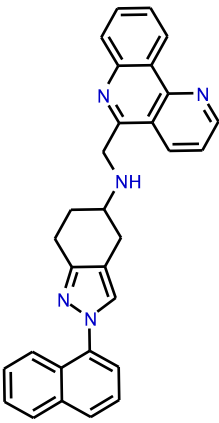
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
40.	 THIND-05-371	1.6372	-0.2141
41.	 THIND-06-030	1.6626	-0.2208
42.	 THIND-06-031	0.7900	0.1024

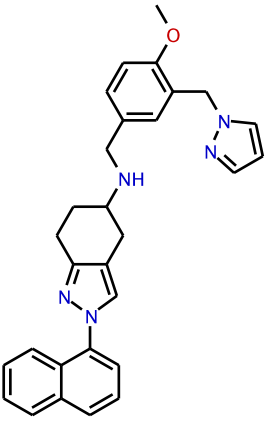
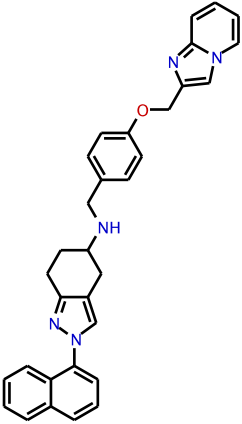
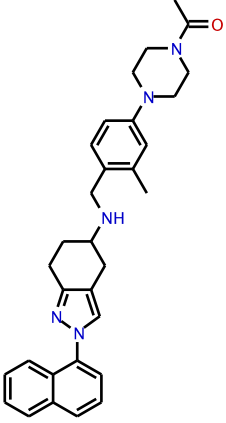
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
43.	 THIND-06-047	1.3119	-0.1179
44.	 THIND-06-049	0.4853	0.3140
45.	 THIND-06-050	0.9164	0.0379

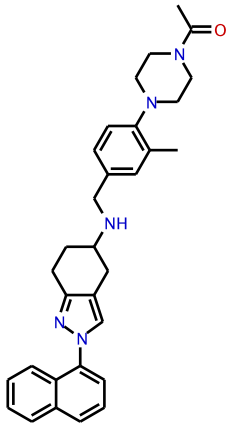
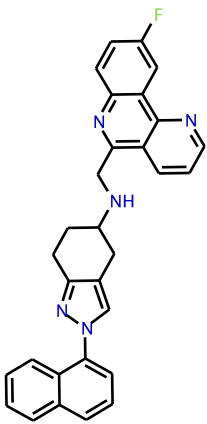
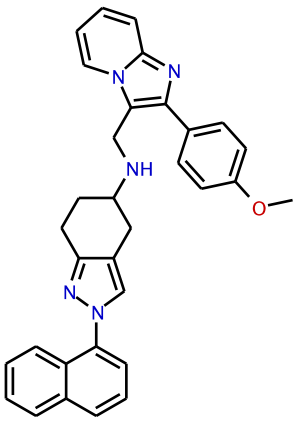
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
46.	 THIND-06-142	0.9616	0.0170
47.	 THIND-06-187	0.5973	0.2238
48.	 THIND-06-211	0.2488	0.6041

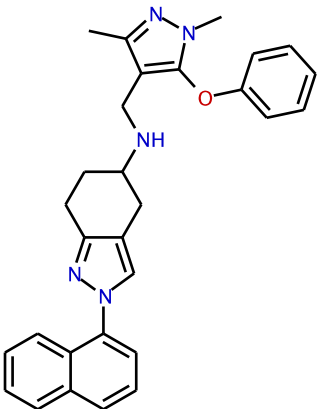
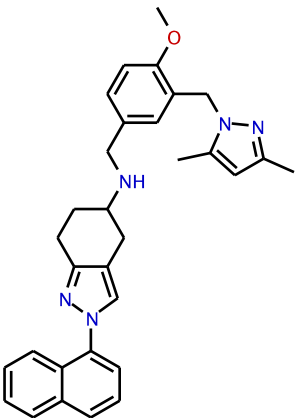
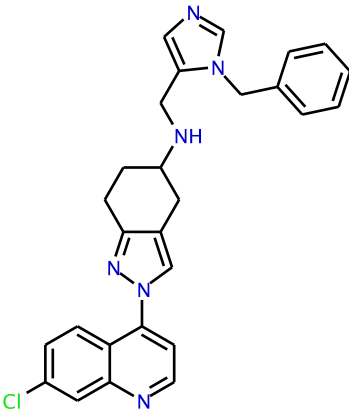
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
49.	 THIND-06-247	0.9068	0.0425
50.	 THIND-06-382	0.7084	0.1497
51.	 THIND-07-005	0.7485	0.1258

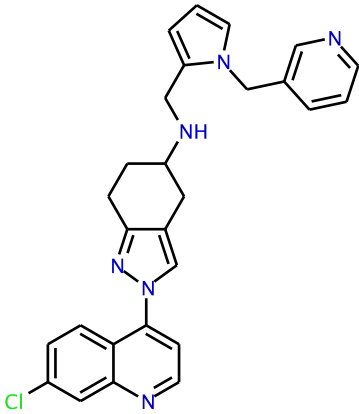
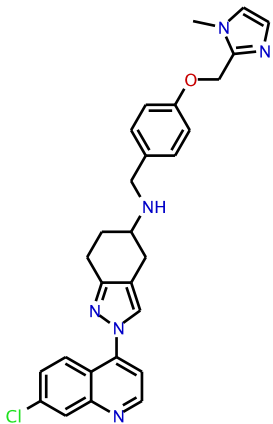
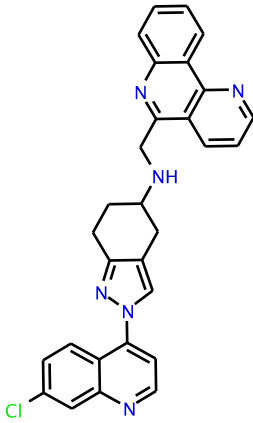
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
52.	 THIND-07-023	1.2682	-0.1032
53.	 THIND-07-048	1.8647	-0.2706
54.	 THIND-07-078	1.7713	-0.2483

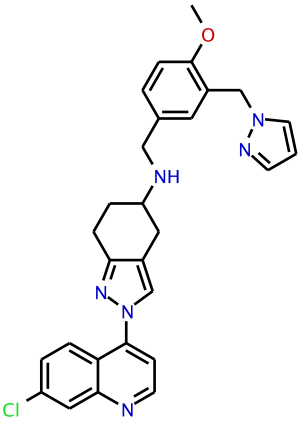
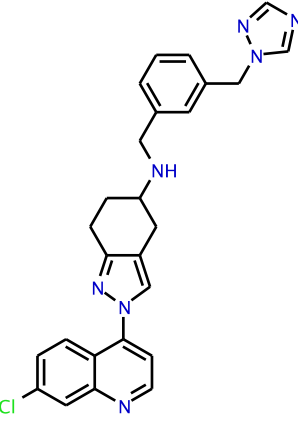
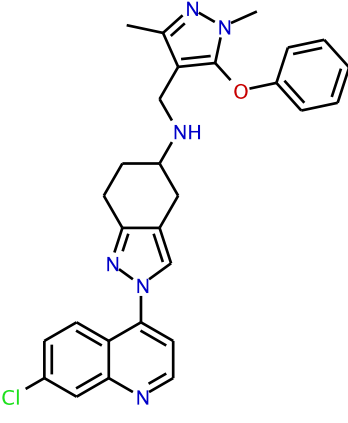
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
55.	 THIND-07-108	1.4983	-0.1756
56.	 THIND-07-109	0.8584	0.0663
57.	 THIND-07-131	0.8545	0.0683

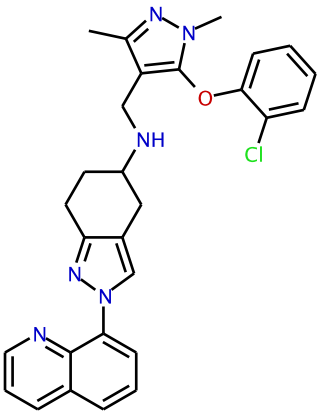
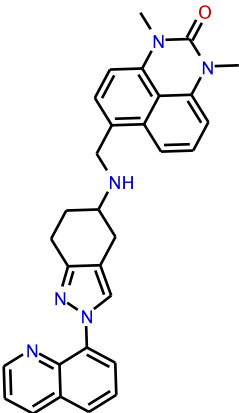
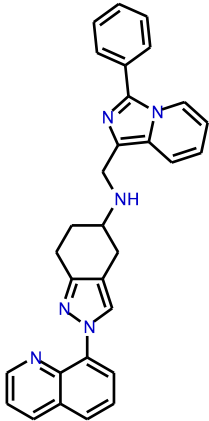
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
58.	 THIND-07-137	1.5188	-0.1815
59.	 THIND-07-140	1.0385	-0.0164
60.	 THIND-07-171	0.9867	0.0058

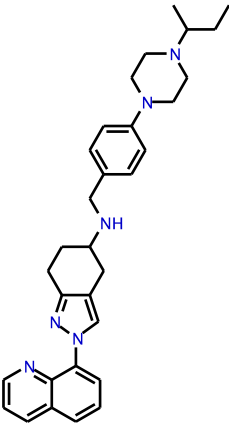
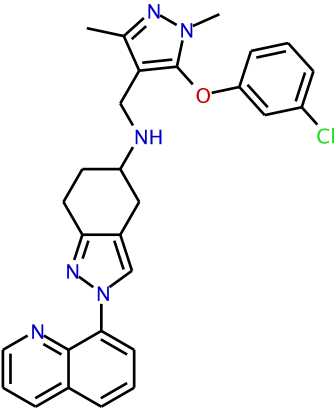
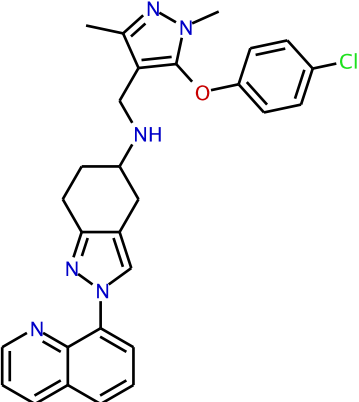
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
61.	 THIND-07-172	0.6561	0.1830
62.	 THIND-07-176	0.7963	0.0989
63.	 THIND-07-192	1.6769	-0.2245

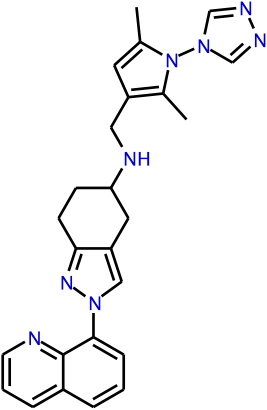
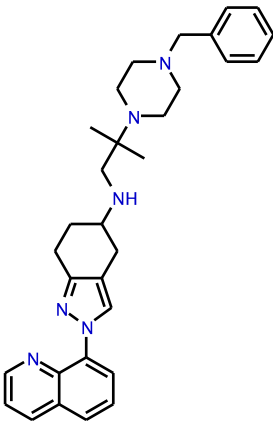
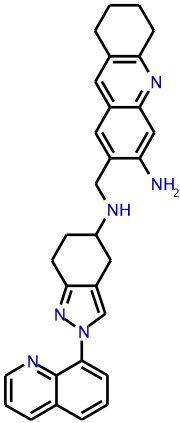
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
64.	 THIND-07-354	0.9147	0.0387
65.	 THIND-07-387	0.7932	0.1006
66.	 THIND-08-044	1.4431	-0.1593

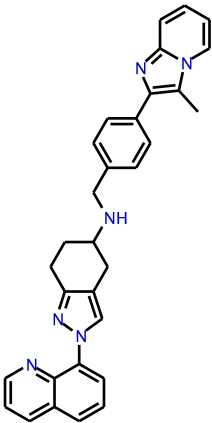
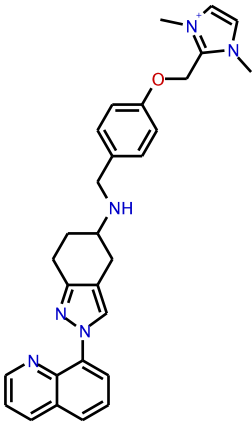
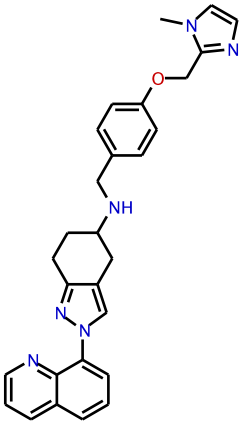
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
67.	 THIND-08-048	0.9532	0.0208
68.	 THIND-08-113	1.9244	-0.2843
69.	 THIND-08-131	1.3065	-0.1161

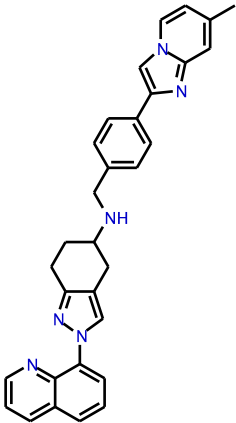
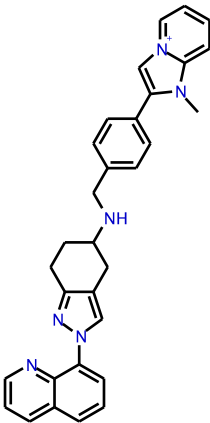
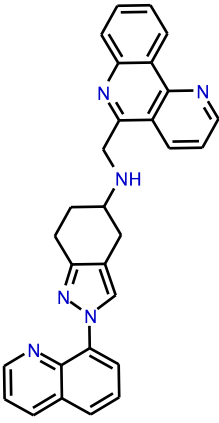
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
70.	 THIND-08-137	0.3863	0.4131
71.	 THIND-08-279	1.9530	-0.2907
72.	 THIND-08-354	1.3533	-0.1314

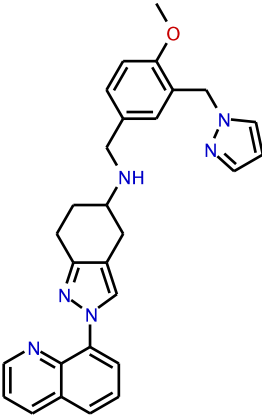
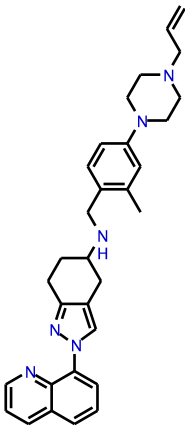
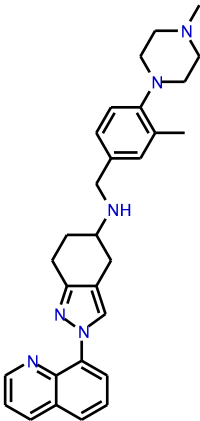
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
73.	 THIND-09-004	1.1860	-0.0741
74.	 THIND-09-005	0.3548	0.4500
75.	 THIND-09-023	0.9861	0.0061

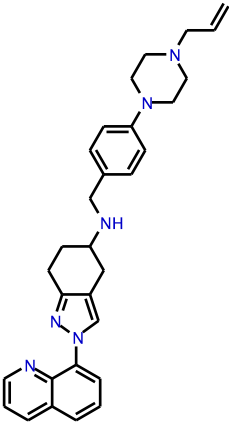
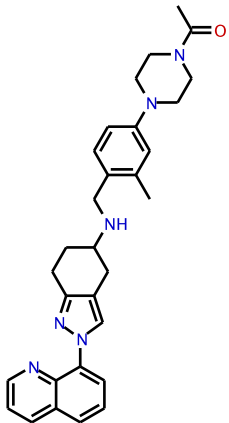
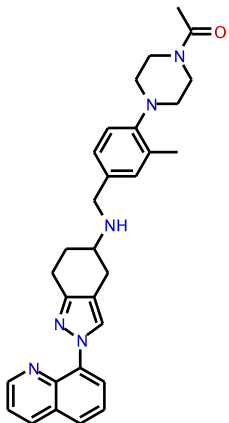
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
76.	 THIND-09-055	1.8184	-0.2597
77.	 THIND-09-057	0.3286	0.4833
78.	 THIND-09-058	0.3156	0.5009

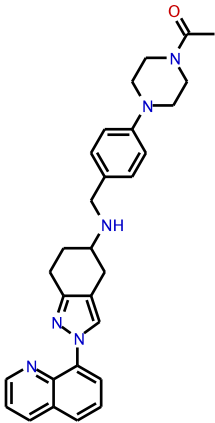
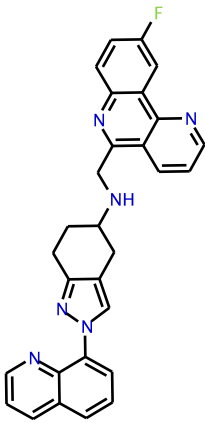
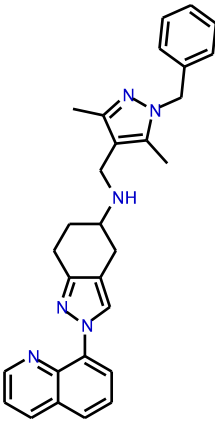
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
79.	 THIND-09-060	1.7583	-0.2451
80.	 THIND-09-065	1.7434	-0.2414
81.	 THIND-09-090	1.1527	-0.0617

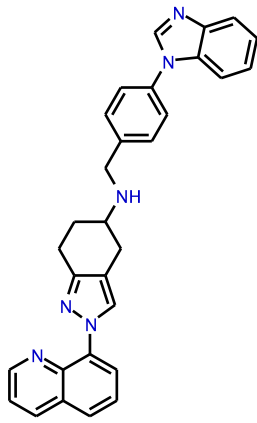
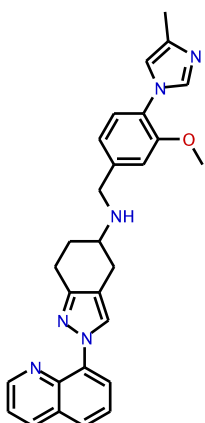
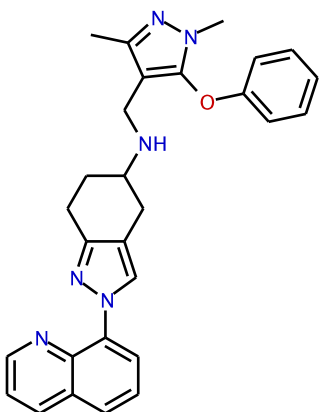
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
82.	 THIND-09-108	0.9475	0.0234
83.	 THIND-09-109	0.4705	0.3274
84.	 THIND-09-113	0.9152	0.0385

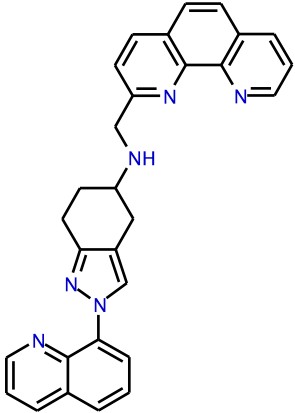
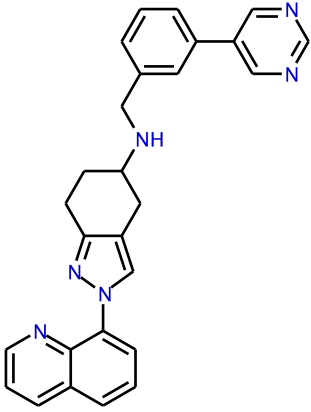
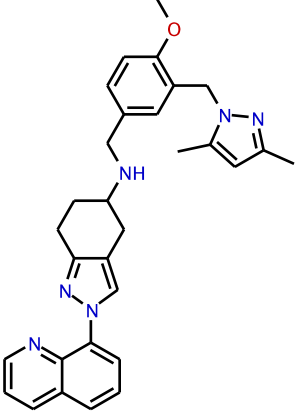
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
85.	 THIND-09-115	1.4743	-0.1686
86.	 THIND-09-117	1.1277	-0.0522
87.	 THIND-09-131	1.0524	-0.0222

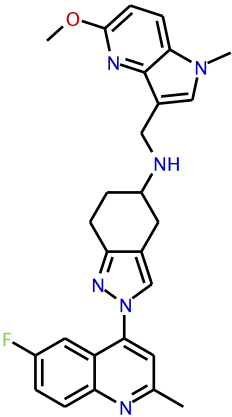
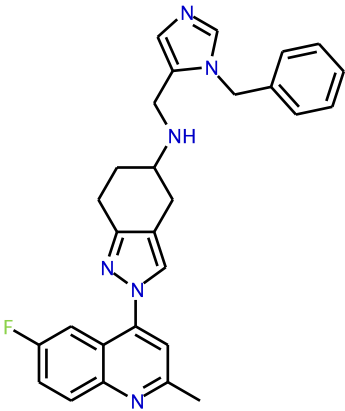
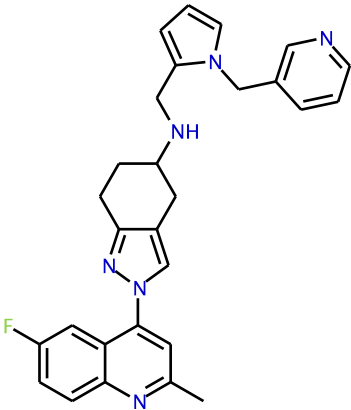
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
88.	 THIND-09-137	0.4097	0.3875
89.	 THIND-09-161	0.7962	0.0990
90.	 THIND-09-163	0.8537	0.0687

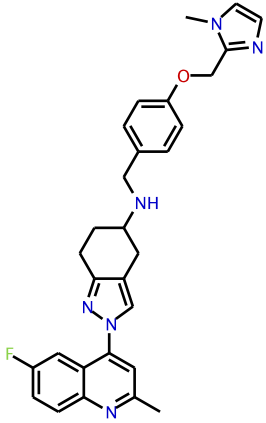
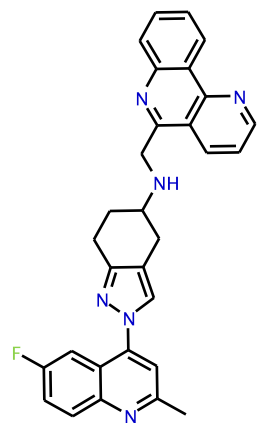
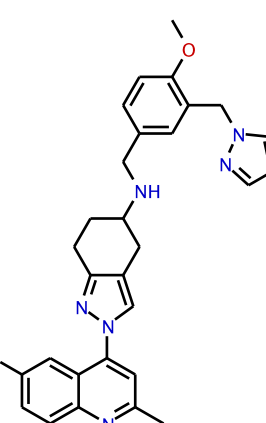
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
91.	 THIND-09-167	1.9629	-0.2929
92.	 THIND-09-171	1.2508	-0.0972
93.	 THIND-09-172	0.8551	0.0680

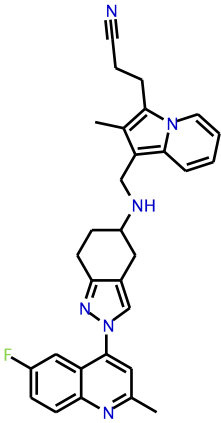
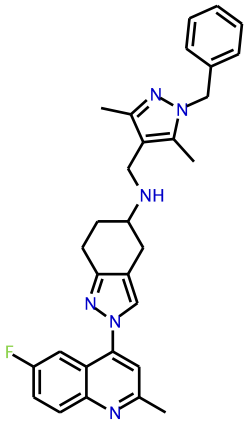
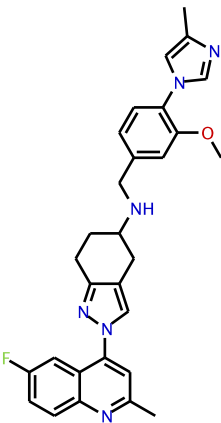
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
94.	 THIND-09-173	1.5188	-0.1815
95.	 THIND-09-176	1.1327	-0.0541
96.	 THIND-09-179	1.3999	-0.1461

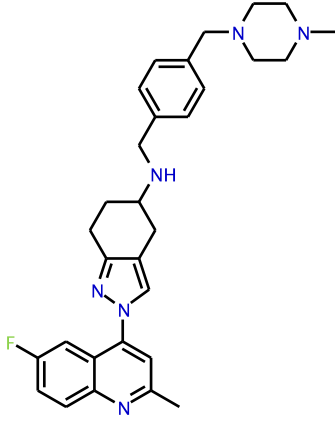
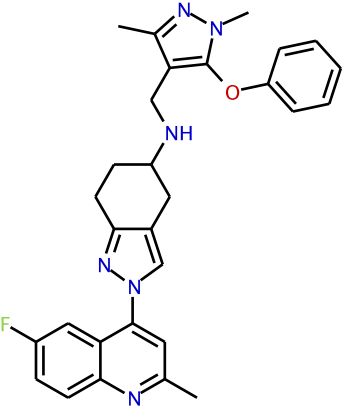
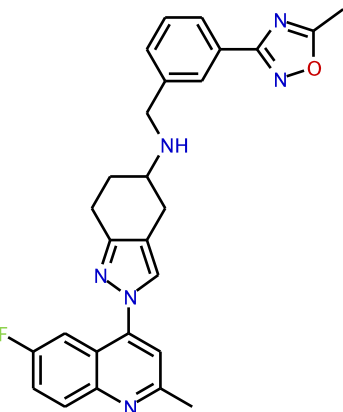
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
97.	 THIND-09-186	1.7931	-0.2536
98.	 THIND-09-260	0.5595	0.2522
99.	 THIND-09-354	1.2365	-0.0922

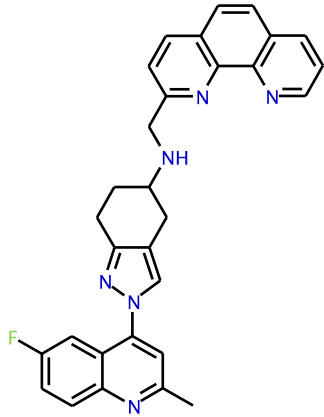
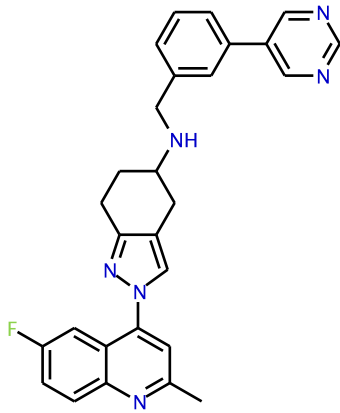
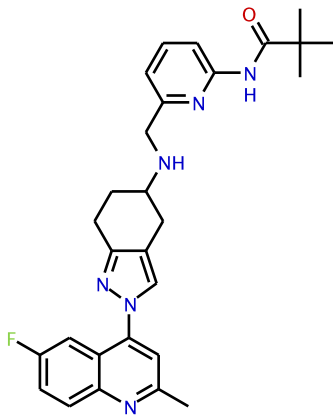
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
100.	 THIND-09-369	1.7254	-0.2369
101.	 THIND-09-371	1.2996	-0.1138
102.	 THIND-09-387	0.2320	0.6345

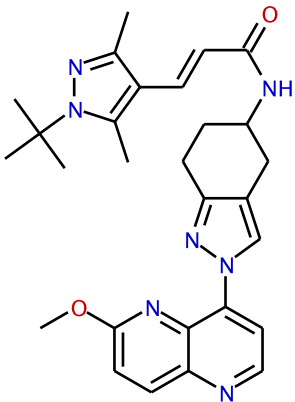
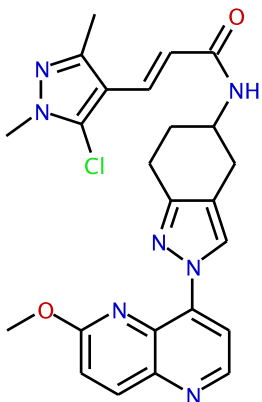
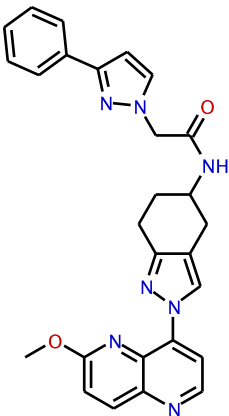
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
103.	 THIND-10-002	1.4401	-0.1584
104.	 THIND-10-044	1.6619	-0.2206
105.	 THIND-10-048	0.8648	0.0631

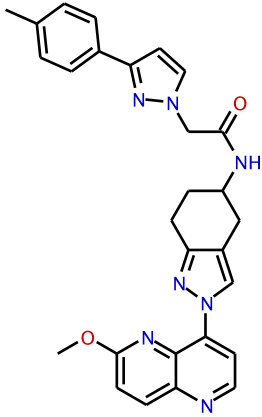
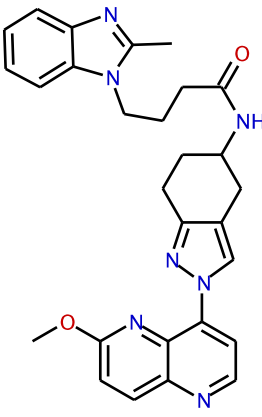
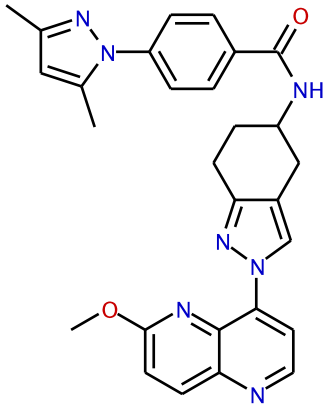
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
106.	 THIND-10-113	1.4015	-0.1466
107.	 THIND-10-131	0.2951	0.5300
108.	 THIND-10-137	0.4936	0.3066

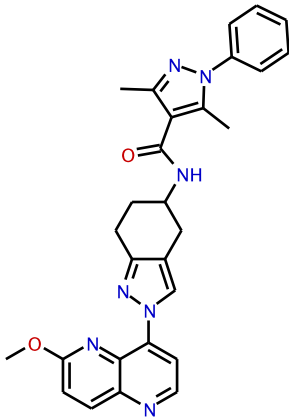
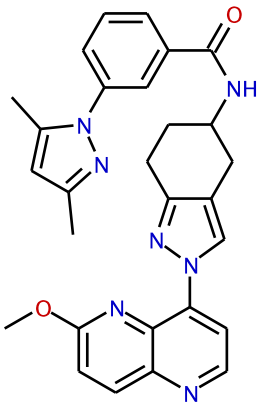
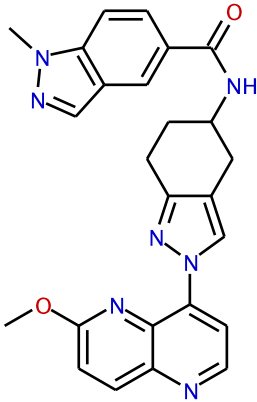
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
109.	 THIND-10-157	1.8197	-0.2600
110.	 THIND-10-179	1.6084	-0.2064
111.	 THIND-10-260	1.2797	-0.1071

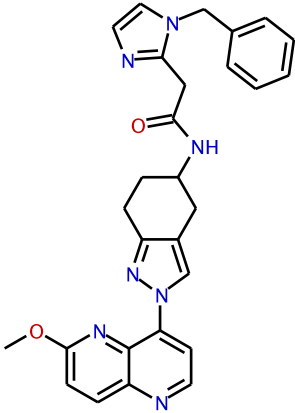
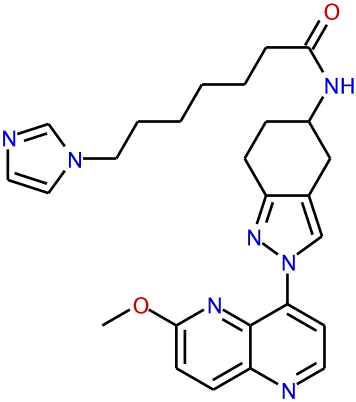
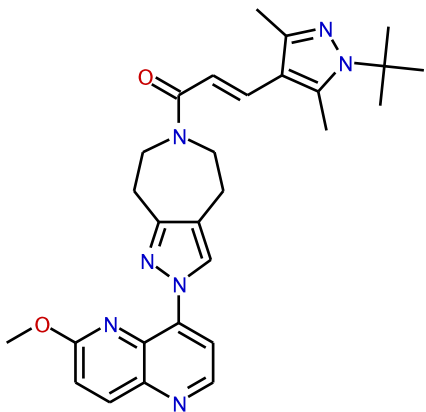
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
112.	 THIND-10-350	1.6746	-0.2239
113.	 THIND-10-354	0.2880	0.5406
114.	 THIND-10-355	1.3804	-0.1400

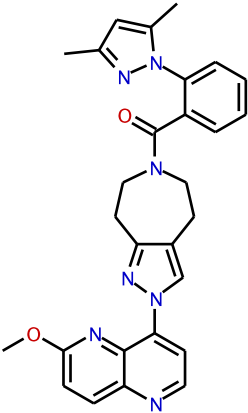
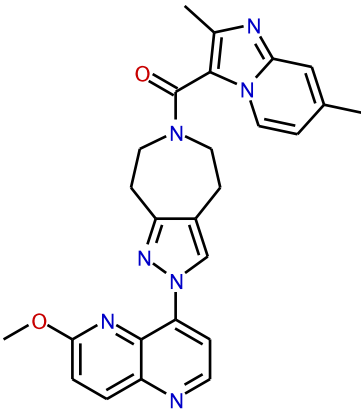
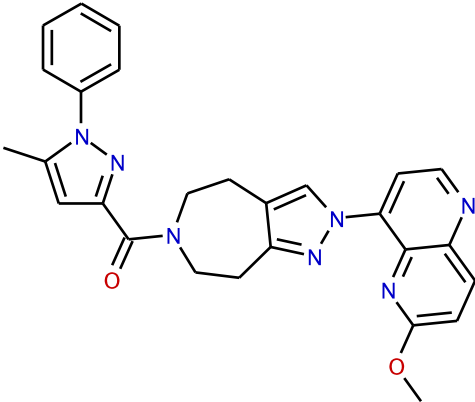
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
115.	 THIND-10-369	0.7827	0.1064
116.	 THIND-10-371	1.5610	-0.1934
117.	 THIND-10-391	1.5599	-0.1931

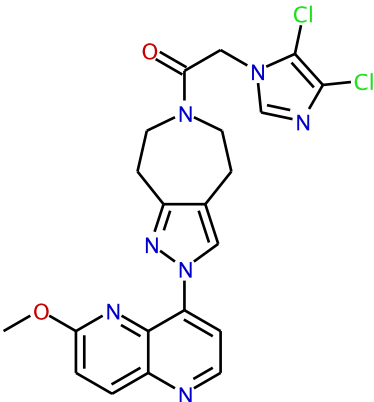
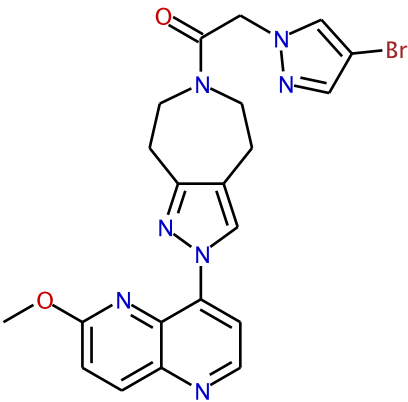
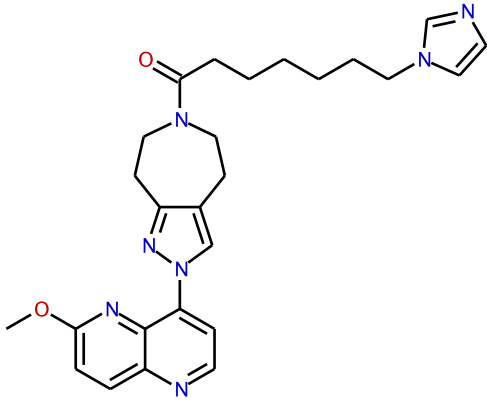
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
118.	 THIND-12-019	1.8599	-0.2695
119.	 THIND-12-020	1.8985	-0.2784
120.	 THIND-12-074	1.8854	-0.2754

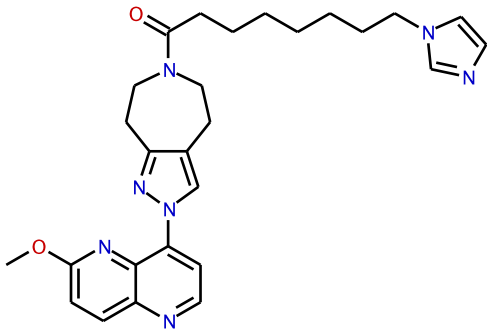
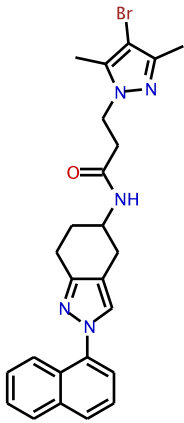
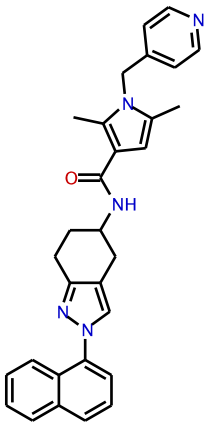
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
121.	 THIND-12-076	0.3049	0.5158
122.	 THIND-12-093	1.2732	-0.1049
123.	 THIND-12-107	0.6667	0.1761

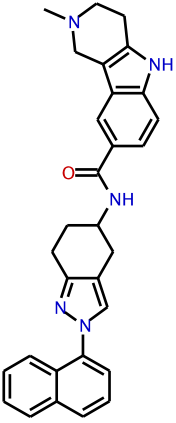
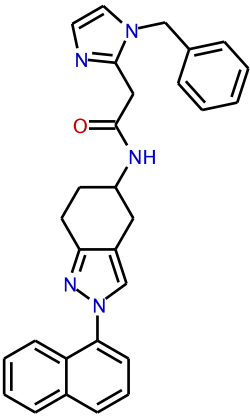
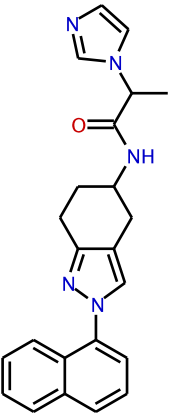
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
124.	 THIND-12-112	0.1480	0.8297
125.	 THIND-12-144	0.3252	0.4878
126.	 THIND-12-178	1.7482	-0.2426

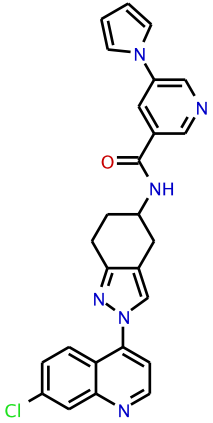
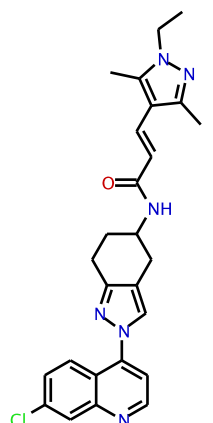
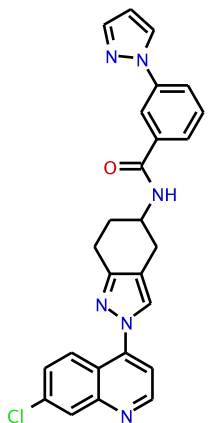
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
127.	 THIND-12-182	0.7729	0.1119
128.	 THIND-12-246	0.9232	0.0347
129.	 THIND-13-019	0.9554	0.0198

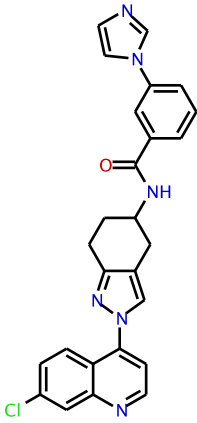
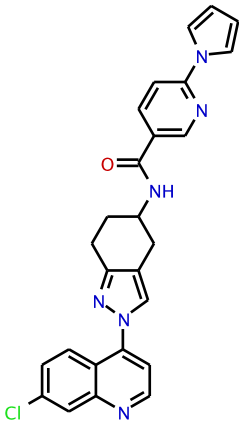
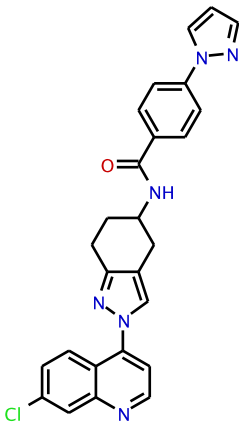
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
130.	 THIND-13-044	0.5463	0.2626
131.	 THIND-13-080	1.7318	-0.2385
132.	 THIND-13-106	1.3360	-0.1258

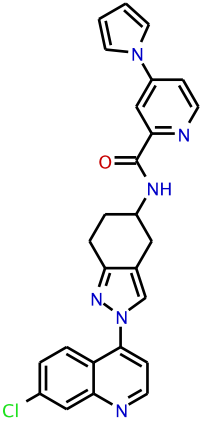
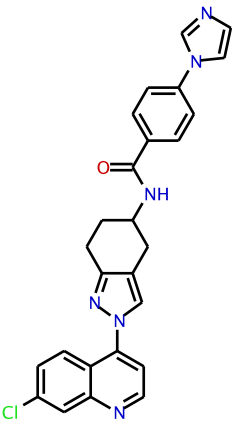
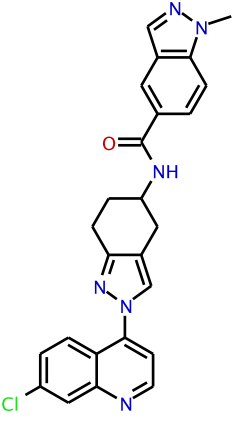
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
133.	 THIND-13-145	1.7239	-0.2365
134.	 THIND-13-195	0.4720	0.3261
135.	 THIND-13-246	0.2419	0.6164

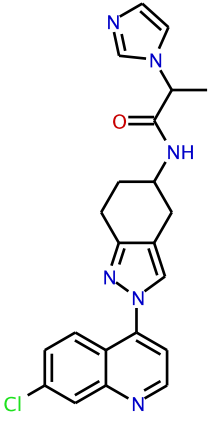
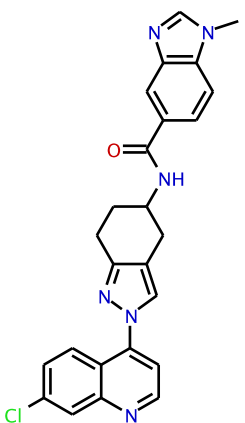
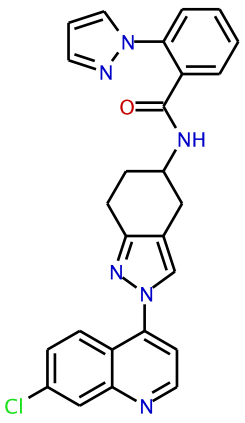
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
136.	 THIND-13-247	0.0732	1.1355
137.	 THIND-14-012	1.1405	-0.0571
138.	 THIND-14-078	0.1947	0.7106

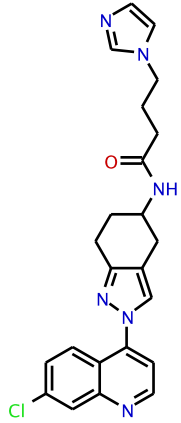
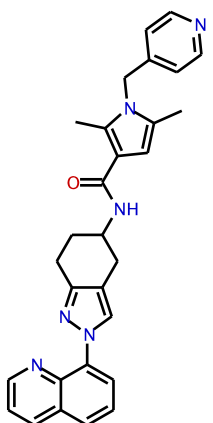
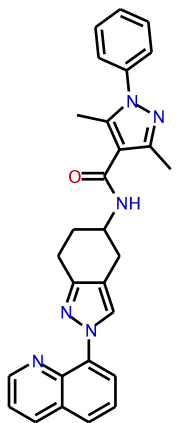
NBTIcombi			
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139.	 THIND-14-120	0.4672	0.3305
140.	 THIND-14-182	1.3415	-0.1276
141.	 THIND-14-196	1.9829	-0.2973

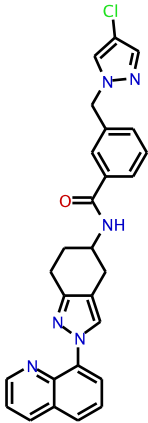
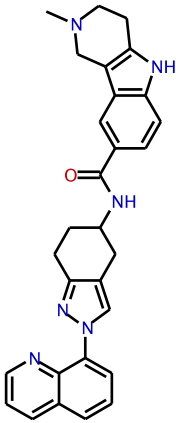
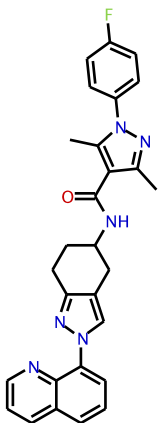
NBTIcombi			
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142.	 THIND-15-004	0.5482	0.2611
143.	 THIND-15-021	1.7239	-0.2365
144.	 THIND-15-028	0.5981	0.2232

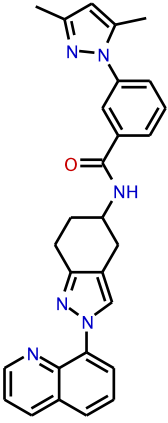
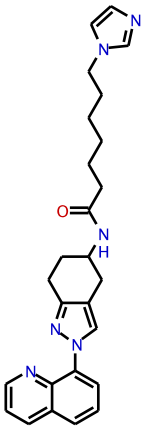
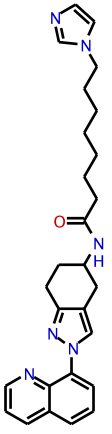
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ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
145.	 THIND-15-030	0.5045	0.2971
146.	 THIND-15-050	1.2081	-0.0821
147.	 THIND-15-105	0.9076	0.0421

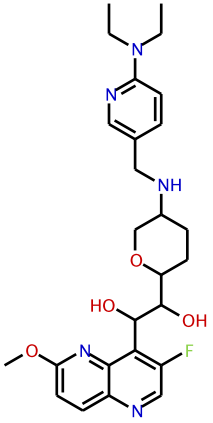
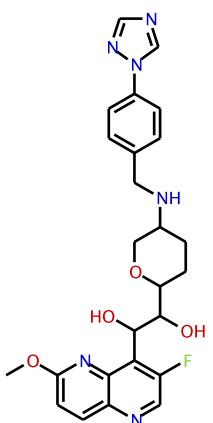
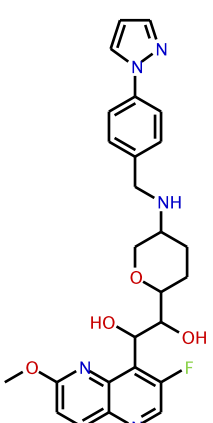
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
148.	 THIND-15-122	1.4161	-0.1511
149.	 THIND-15-133	0.8260	0.0830
150.	 THIND-15-178	0.7190	0.1433

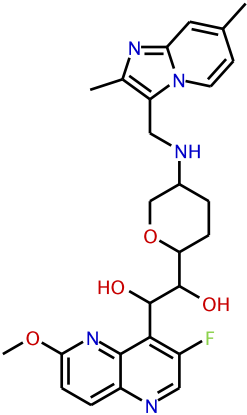
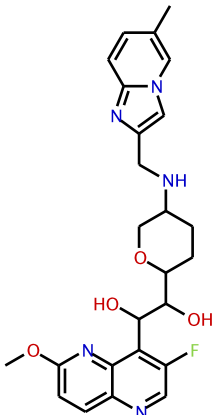
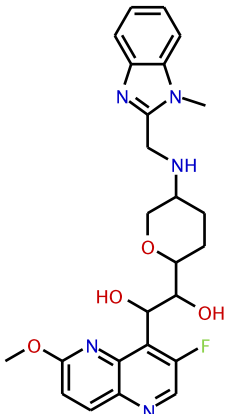
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
151.	 THIND-15-196	1.6177	-0.2089
152.	 THIND-15-217	1.6619	-0.2206
153.	 THIND-15-218	1.0493	-0.0209

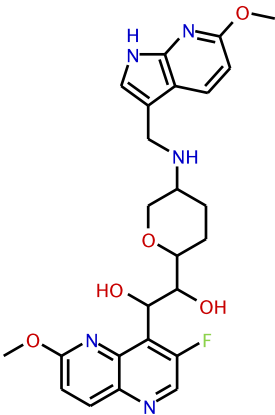
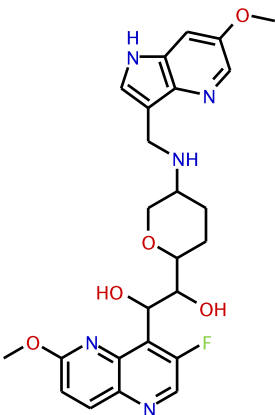
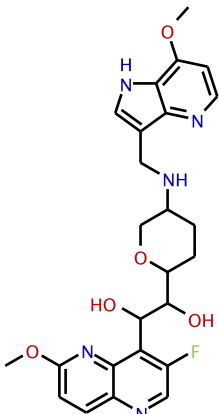
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
154.	 THIND-15-245	1.7187	-0.2352
155.	 THIND-16-078	0.6399	0.1939
156.	 THIND-16-112	0.8831	0.0540

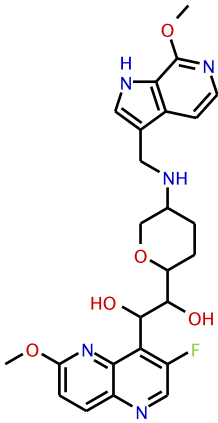
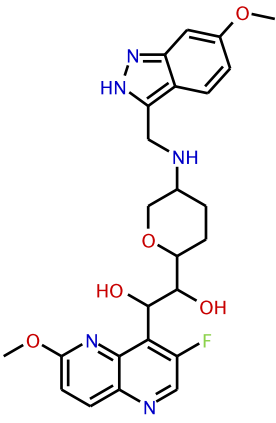
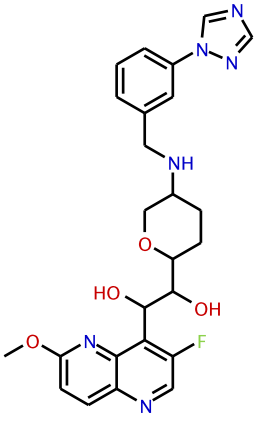
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
157.	 THIND-16-118	0.9594	0.0180
158.	 THIND-16-120	1.7310	-0.2383
159.	 THIND-16-124	0.6086	0.2157

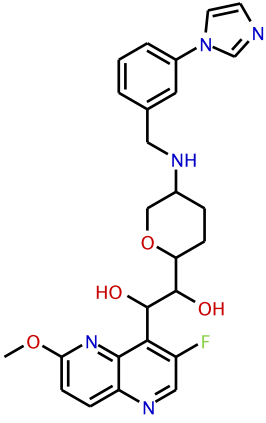
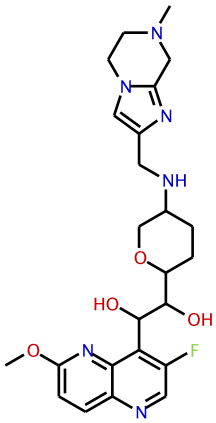
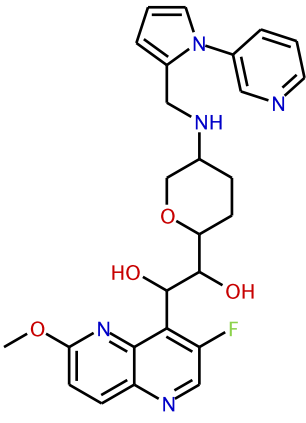
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
160.	 THIND-16-144	1.5664	-0.1949
161.	 THIND-16-246	1.8256	-0.2614
162.	 THIND-16-247	0.4882	0.3114

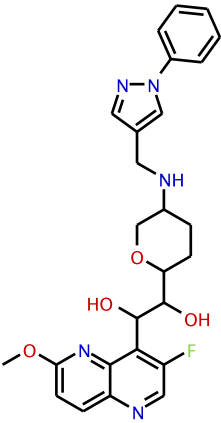
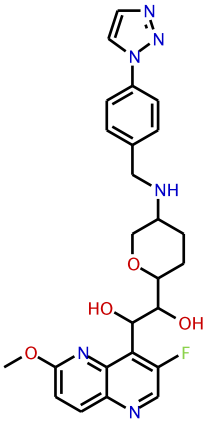
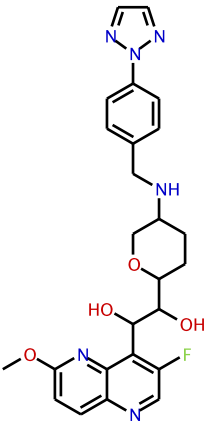
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
163.	 THPYR-01-017	1.5467	-0.1894
164.	 THPYR-01-037	1.2882	-0.1100
165.	 THPYR-01-038	1.4142	-0.1505

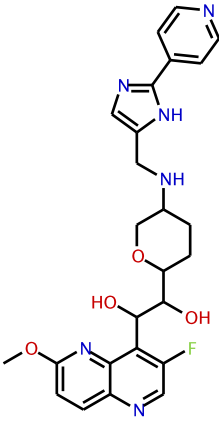
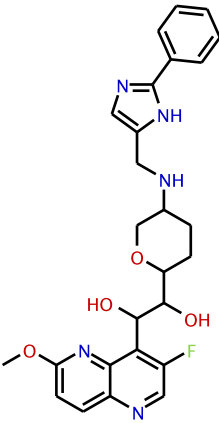
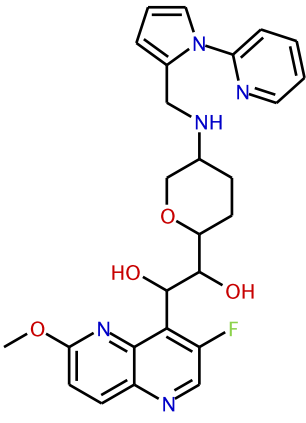
NBTIcombi			
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166.	 THPYR-01-082	1.6144	-0.2080
167.	 THPYR-01-114	1.8484	-0.2668
168.	 THPYR-01-185	1.6368	-0.2140

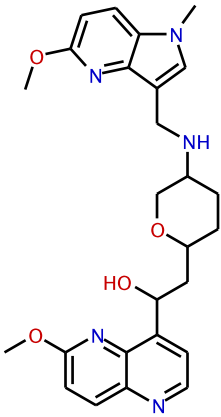
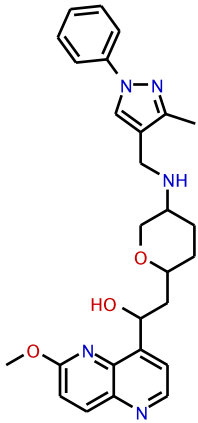
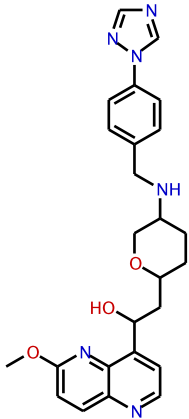
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
169.	 THPYR-01-221	1.1416	-0.0575
170.	 THPYR-01-226	1.2735	-0.1050
171.	 THPYR-01-227	0.5581	0.2533

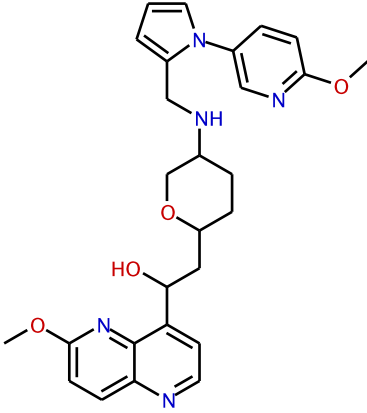
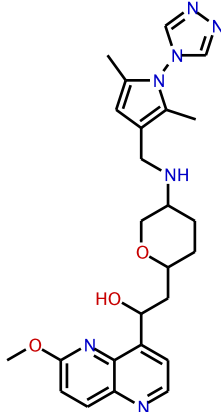
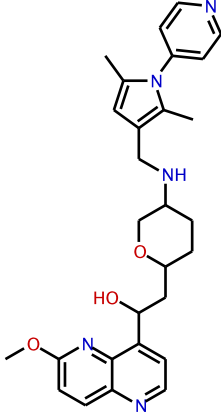
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
172.	 THPYR-01-233	0.5864	0.2318
173.	 THPYR-01-276	1.7775	-0.2498
174.	 THPYR-01-303	1.4801	-0.1703

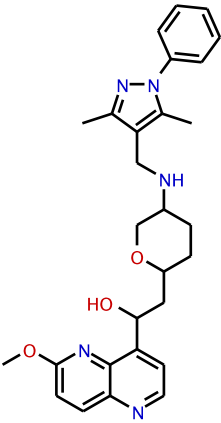
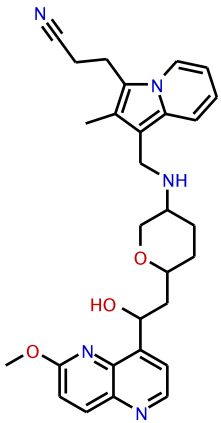
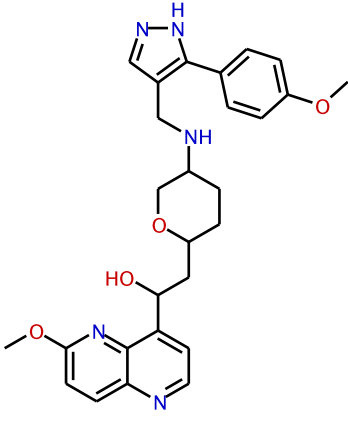
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
175.	 THPYR-01-315	1.6649	-0.2214
176.	 THPYR-01-329	0.6343	0.1977
177.	 THPYR-01-378	1.9059	-0.2801

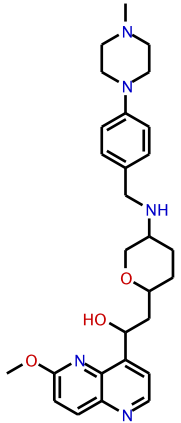
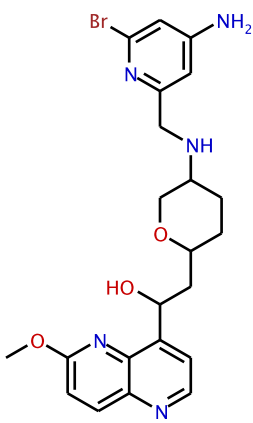
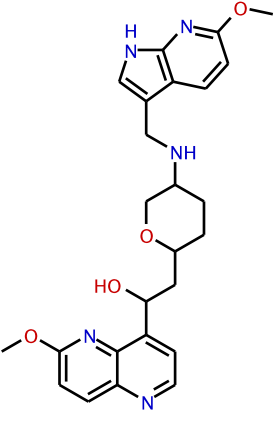
NBTIcombi			
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178.	 THPYR-01-386	1.0617	-0.0260
179.	 THPYR-01-416	1.6270	-0.2114
180.	 THPYR-01-417	1.3311	-0.1242

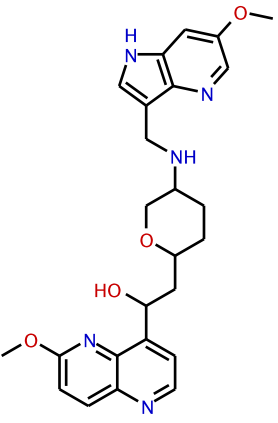
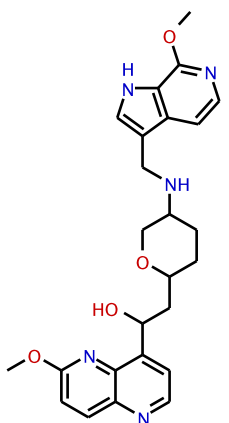
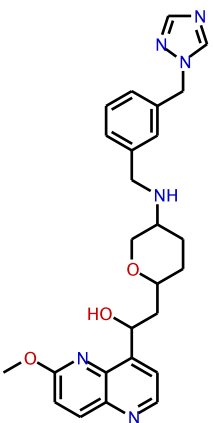
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
181.	 THPYR-01-420	0.6811	0.1668
182.	 THPYR-01-428	1.1342	-0.0547
183.	 THPYR-01-429	1.5104	-0.1791

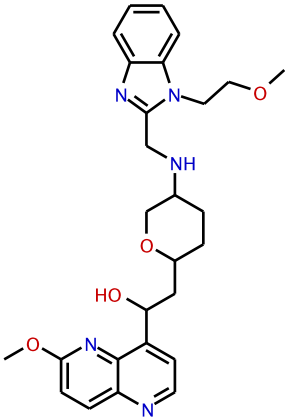
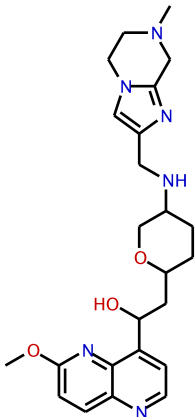
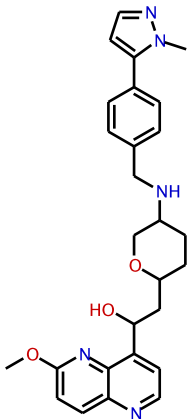
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
184.	 THPYR-02-002	0.8239	0.0841
185.	 THPYR-02-009	1.2882	-0.1100
186.	 THPYR-02-037	1.9516	-0.2904

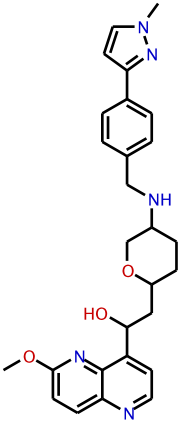
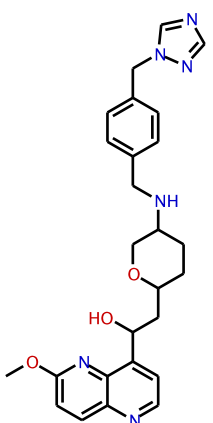
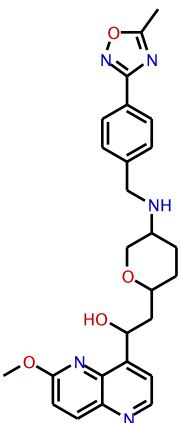
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
187.	 THPYR-02-049	0.3883	0.4108
188.	 THPYR-02-060	0.4382	0.3583
189.	 THPYR-02-125	0.5369	0.2701

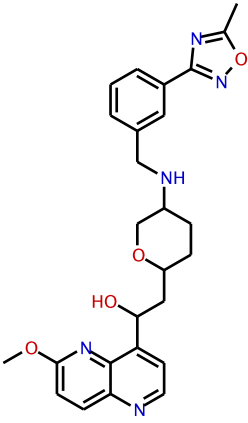
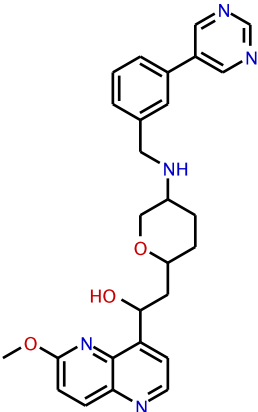
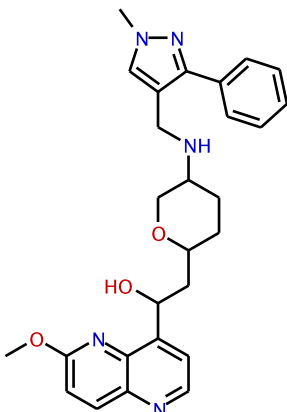
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
190.	 THPYR-02-148	1.1698	-0.0681
191.	 THPYR-02-157	0.6642	0.1777
192.	 THPYR-02-187	0.5665	0.2468

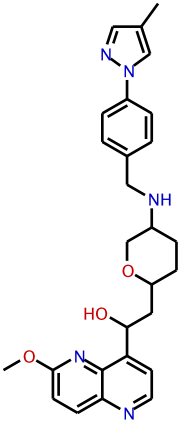
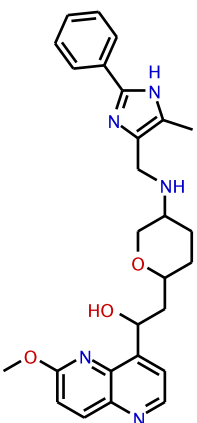
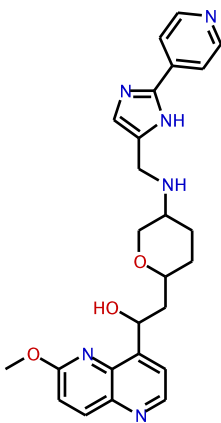
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
193.	 THPYR-02-188	1.3583	-0.1330
194.	 THPYR-02-219	1.8005	-0.2554
195.	 THPYR-02-221	1.6661	-0.2217

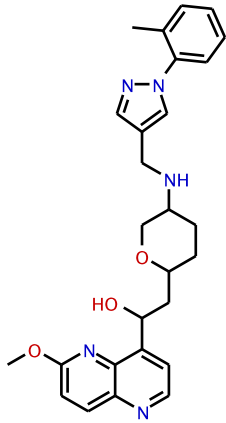
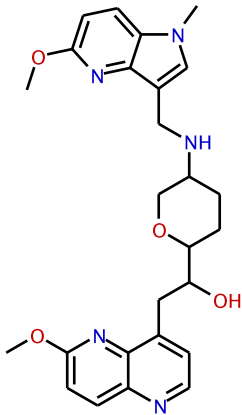
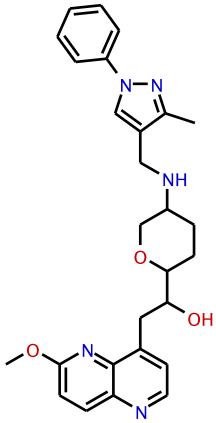
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
196.	 THPYR-02-226	1.7632	-0.2463
197.	 THPYR-02-233	1.6406	-0.2150
198.	 THPYR-02-279	1.5563	-0.1921

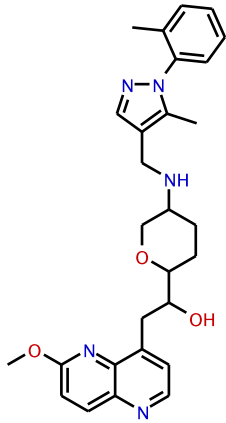
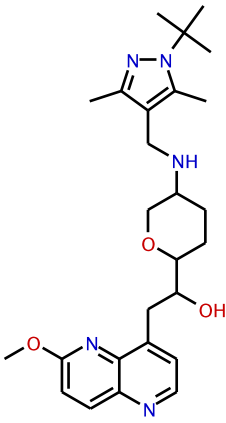
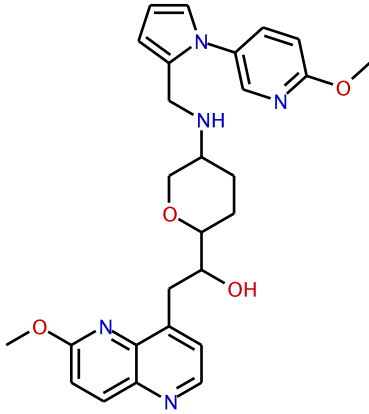
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
199.	 THPYR-02-316	0.4992	0.3017
200.	 THPYR-02-329	1.8420	-0.2653
201.	 THPYR-02-342	1.4911	-0.1735

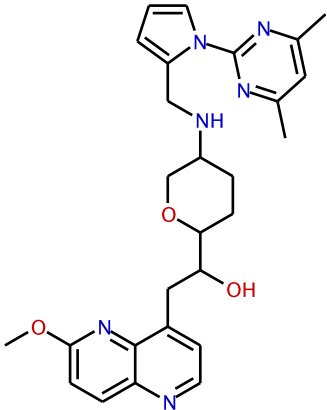
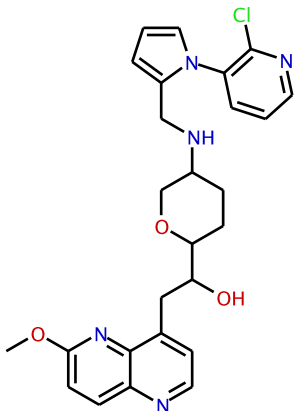
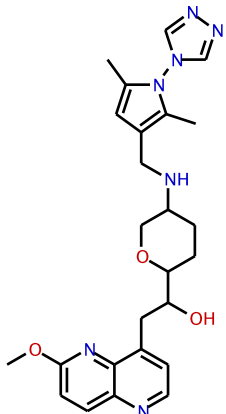
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202.	 THPYR-02-343	0.5391	0.2683
203.	 THPYR-02-349	1.6237	-0.2105
204.	 THPYR-02-351	0.7554	0.1218

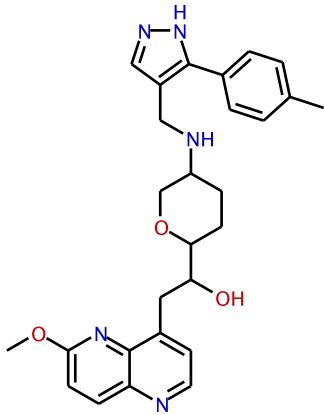
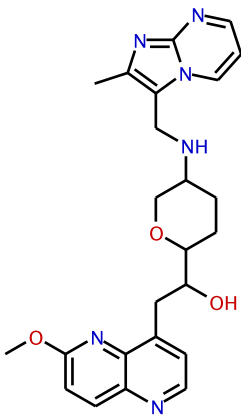
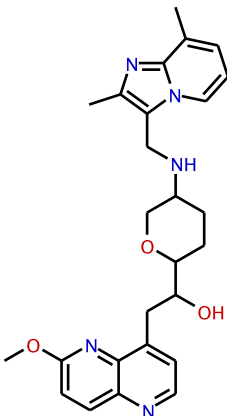
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ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
205.	 THPYR-02-355	1.4371	-0.1575
206.	 THPYR-02-371	1.6248	-0.2108
207.	 THPYR-02-389	0.7659	0.1158

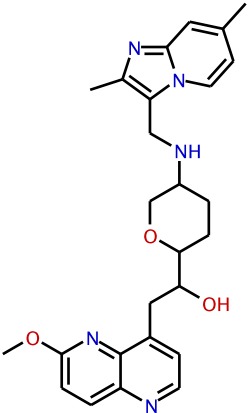
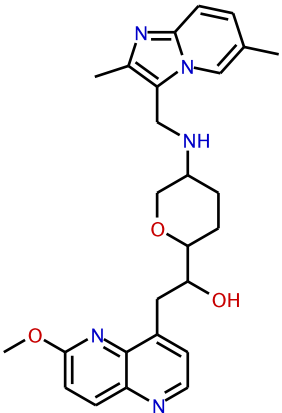
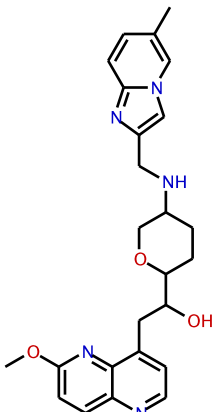
NBTIcombi			
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208.	 THPYR-02-400	1.9629	-0.2929
209.	 THPYR-02-407	0.7954	0.0994
210.	 THPYR-02-420	1.3684	-0.1362

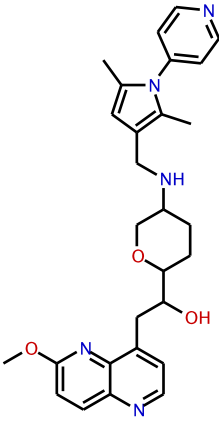
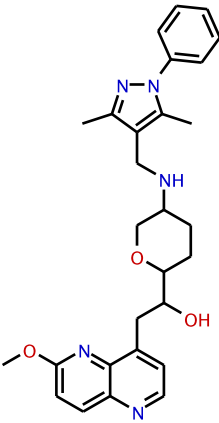
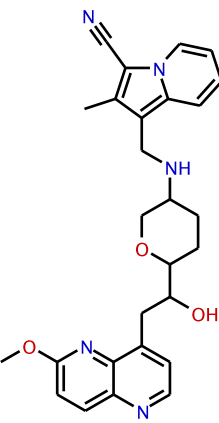
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211.	 THPYR-02-426	1.3737	-0.1379
212.	 THPYR-03-002	0.6013	0.2209
213.	 THPYR-03-009	1.3384	-0.1266

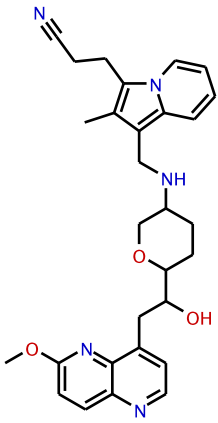
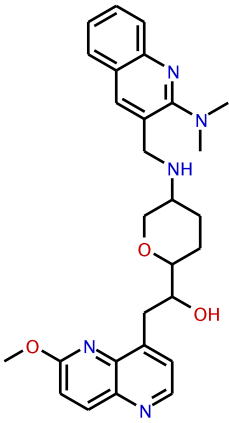
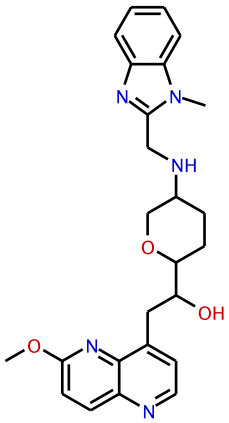
NBTIcombi			
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214.	 THPYR-03-029	1.0563	-0.0238
215.	 THPYR-03-034	0.5625	0.2499
216.	 THPYR-03-049	0.1932	0.7140

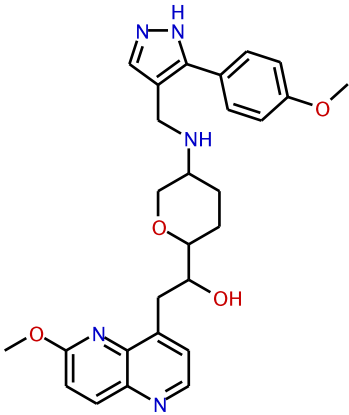
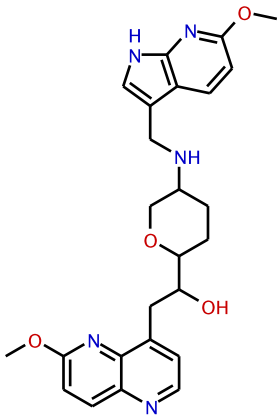
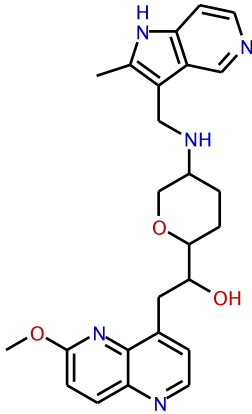
NBTIcombi			
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217.	 THPYR-03-050	1.5696	-0.1958
218.	 THPYR-03-051	1.9449	-0.2889
219.	 THPYR-03-060	0.3237	0.4899

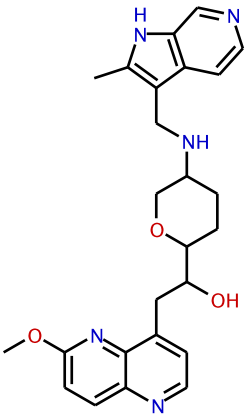
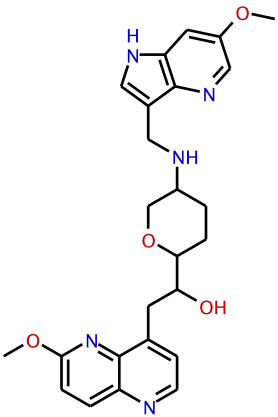
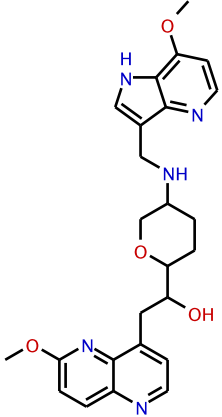
NBTIcombi			
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220.	 THPYR-03-072	1.0259	-0.0111
221.	 THPYR-03-076	1.9191	-0.2831
222.	 THPYR-03-081	0.9929	0.0031

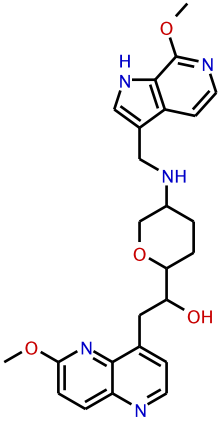
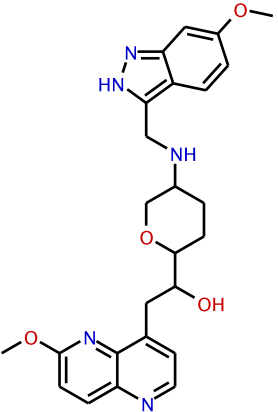
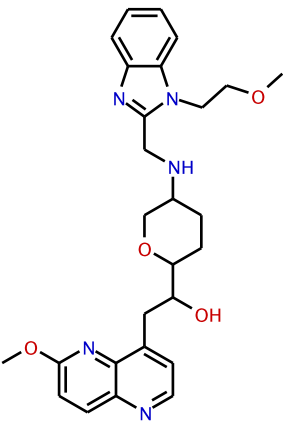
NBTIcombi			
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223.	 THPYR-03-082	0.5311	0.2748
224.	 THPYR-03-083	0.8300	0.0809
225.	 THPYR-03-114	1.8446	-0.2659

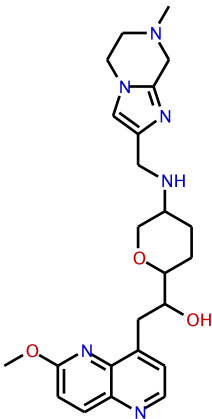
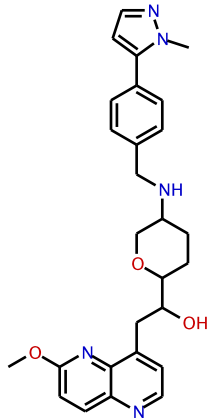
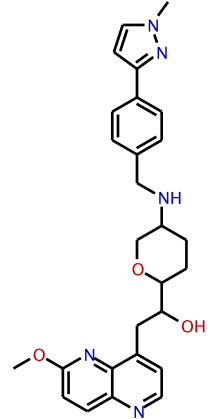
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
226.	 THPYR-03-125	0.4562	0.3408
227.	 THPYR-03-148	0.3077	0.5119
228.	 THPYR-03-156	1.8552	-0.2684

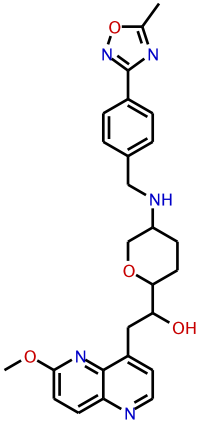
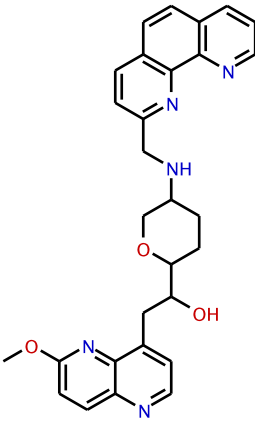
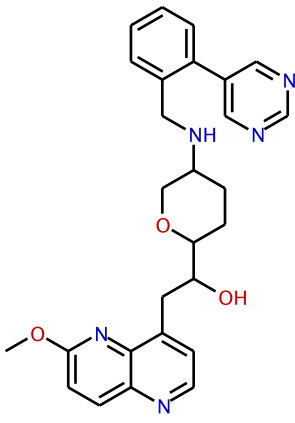
NBTIcombi			
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229.	 THPYR-03-157	0.4815	0.3174
230.	 THPYR-03-178	0.7602	0.1191
231.	 THPYR-03-185	1.9329	-0.2862

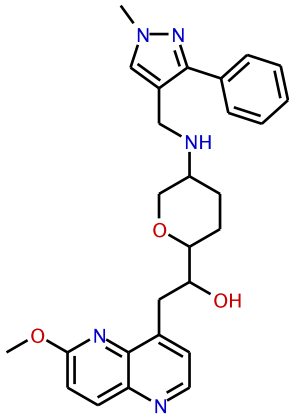
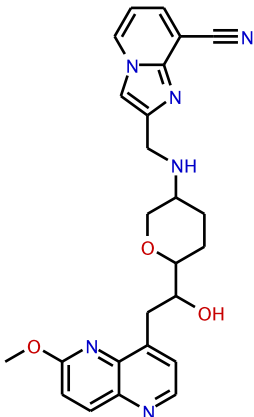
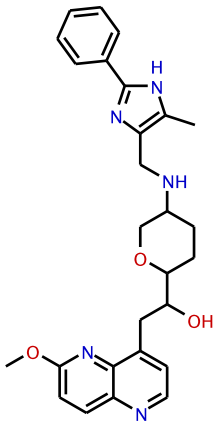
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
232.	 THPYR-03-187	0.2174	0.6627
233.	 THPYR-03-221	1.0799	-0.0334
234.	 THPYR-03-222	1.9783	-0.2963

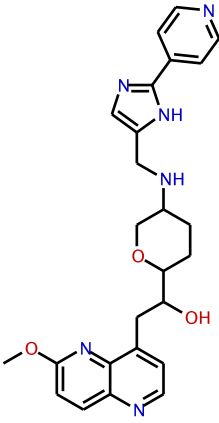
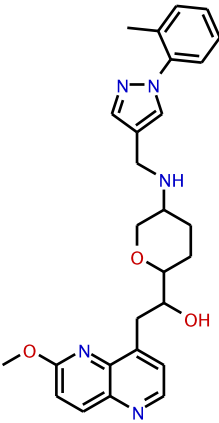
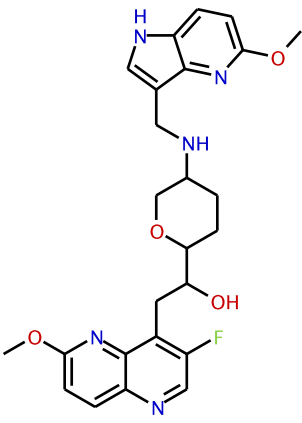
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
235.	 THPYR-03-223	1.5314	-0.1851
236.	 THPYR-03-226	1.0787	-0.0329
237.	 THPYR-03-227	1.6908	-0.2281

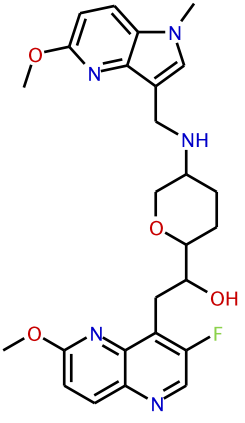
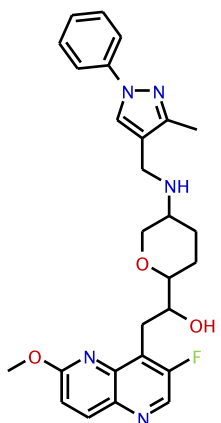
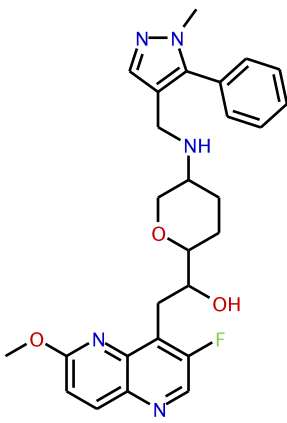
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
238.	 THPYR-03-233	1.4666	-0.1663
239.	 THPYR-03-276	1.5413	-0.1879
240.	 THPYR-03-316	0.4337	0.3628
241.		0.7251	0.1396

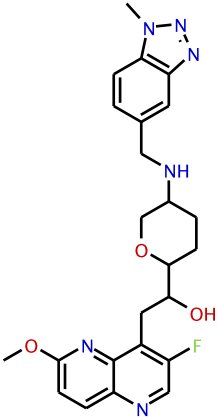
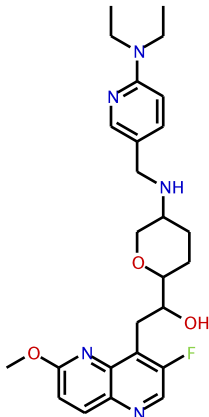
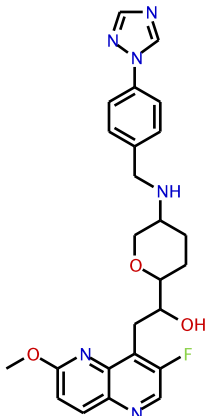
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
	 THPYR-03-329		
242.	 THPYR-03-342	0.9790	0.0092
243.	 THPYR-03-343	1.4723	-0.1680

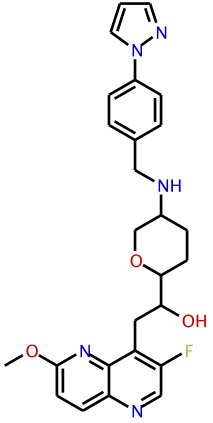
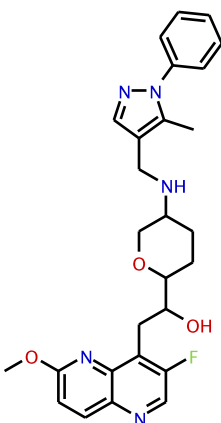
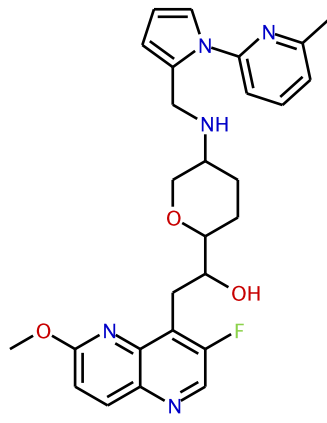
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
244.	 THPYR-03-351	1.8932	-0.2772
245.	 THPYR-03-369	1.7628	-0.2462
246.	 THPYR-03-372	1.9584	-0.2919

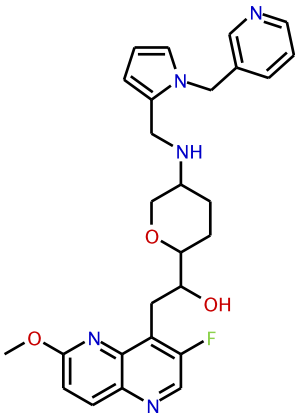
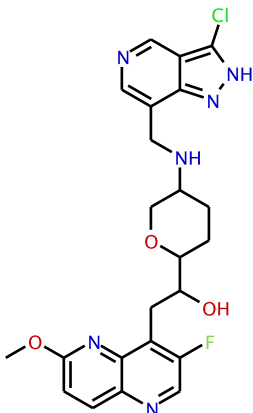
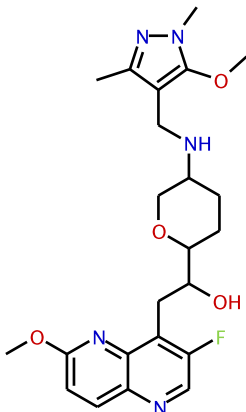
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
247.	 THPYR-03-389	0.5912	0.2283
248.	 THPYR-03-394	1.4060	-0.1480
249.	 THPYR-03-407	0.7560	0.1215

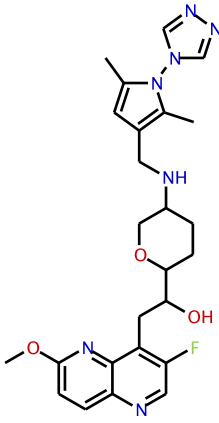
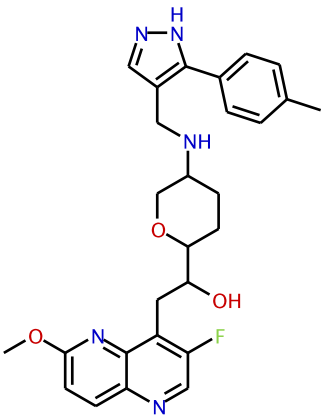
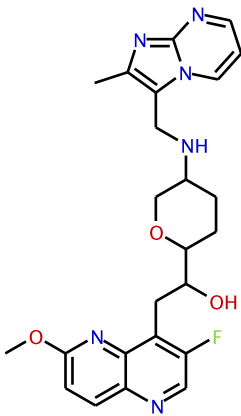
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
250.	 THPYR-03-420	1.6155	-0.2083
251.	 THPYR-03-426	1.3912	-0.1434
252.	 THPYR-04-001	1.0877	-0.0365

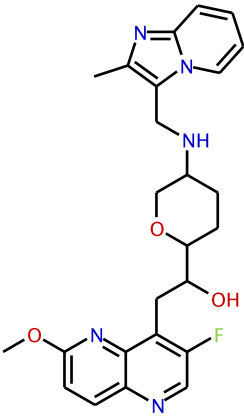
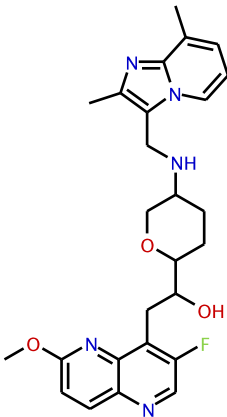
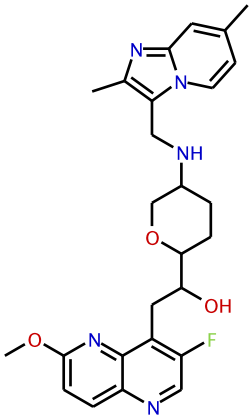
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
253.	 THPYR-04-002	0.1408	0.8514
254.	 THPYR-04-009	0.3174	0.4984
255.	 THPYR-04-015	1.2156	-0.0848

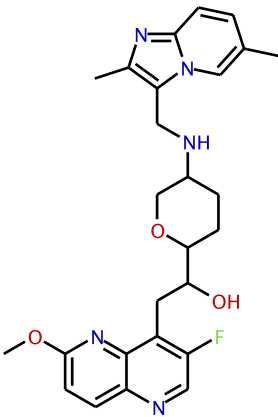
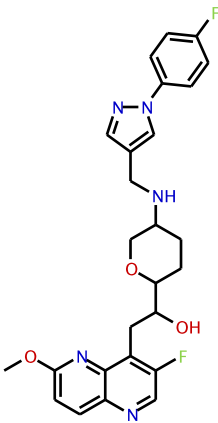
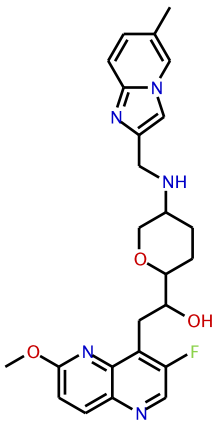
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
256.	 THPYR-04-016	0.4367	0.3598
257.	 THPYR-04-017	0.7434	0.1288
258.	 THPYR-04-037	1.2615	-0.1009

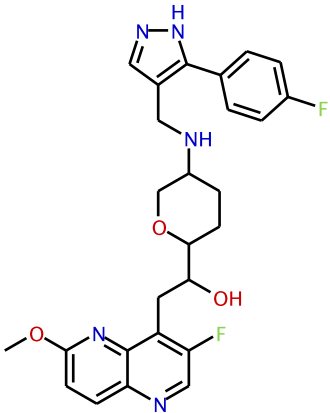
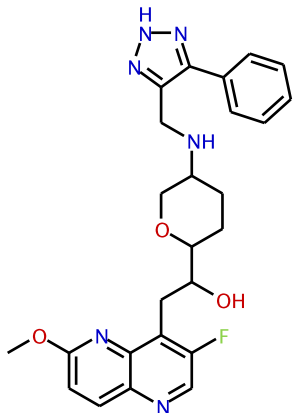
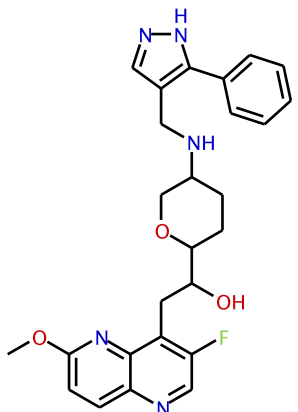
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
259.	 THPYR-04-038	1.8429	-0.2655
260.	 THPYR-04-039	0.2929	0.5333
261.	 THPYR-04-047	0.8523	0.0694

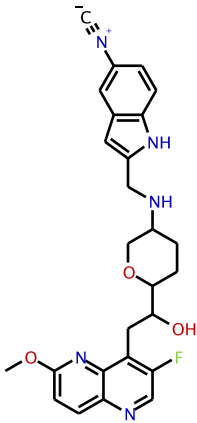
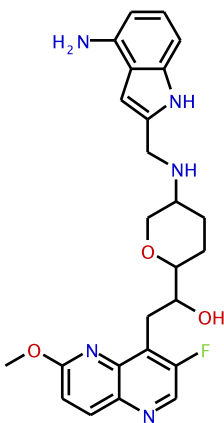
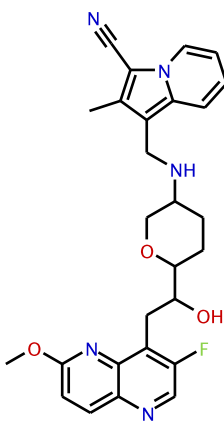
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
262.	 THPYR-04-048	0.7050	0.1518
263.	 THPYR-04-052	0.4089	0.3884
264.	 THPYR-04-059	1.3176	-0.1198

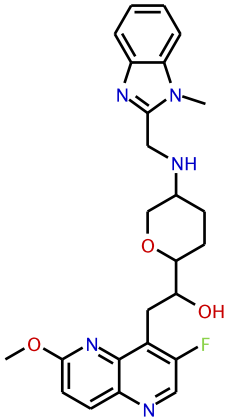
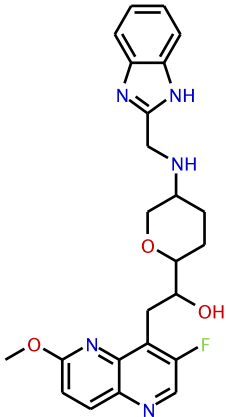
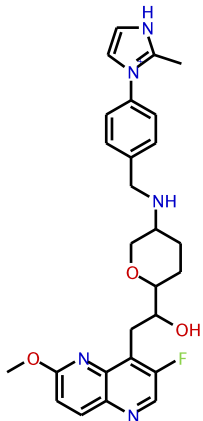
NBTIcombi			
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265.	 THPYR-04-060	0.0061	2.2147
266.	 THPYR-04-072	0.6965	0.1571
267.	 THPYR-04-076	1.1148	-0.0472

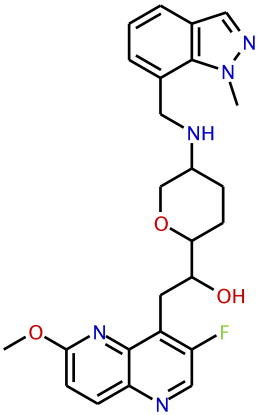
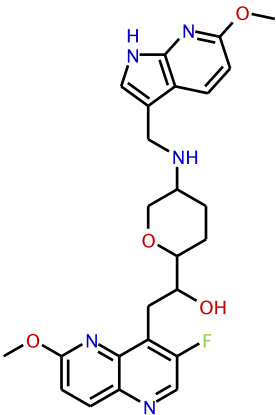
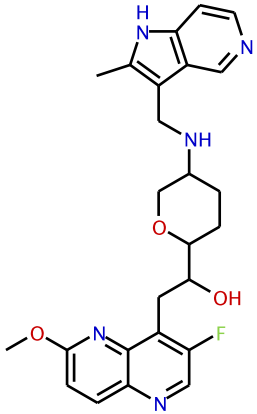
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268.	 THPYR-04-077	1.5535	-0.1913
269.	 THPYR-04-081	0.5080	0.2941
270.	 THPYR-04-082	0.2630	0.5800

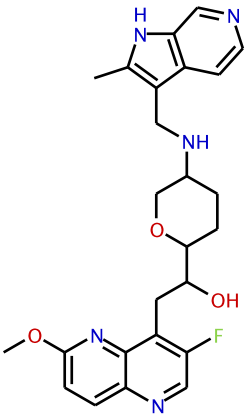
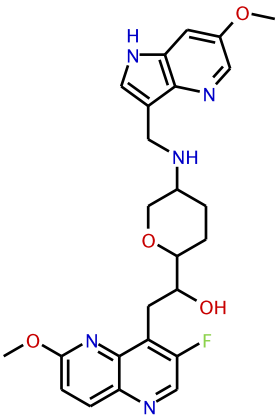
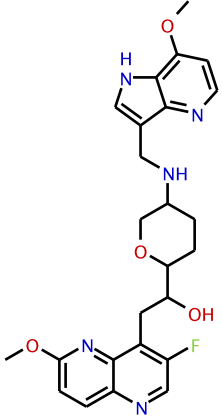
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271.	 THPYR-04-083	0.3479	0.4585
272.	 THPYR-04-106	0.2966	0.5278
273.	 THPYR-04-114	1.1374	-0.0559

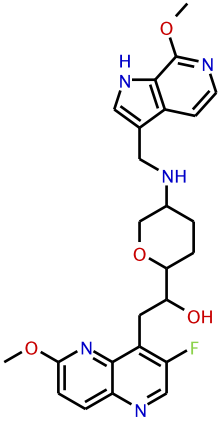
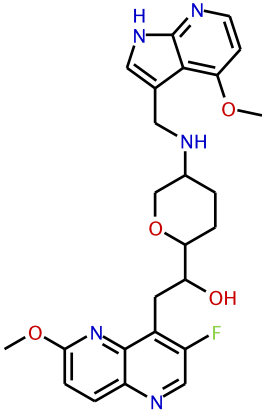
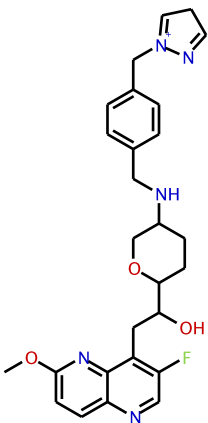
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274.	 THPYR-04-144	1.1593	-0.0642
275.	 THPYR-04-146	1.7571	-0.2448
276.	 THPYR-04-147	1.8906	-0.2766

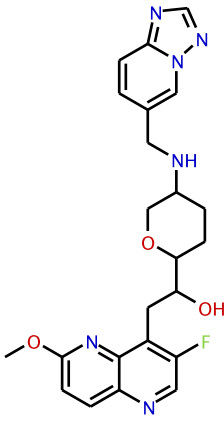
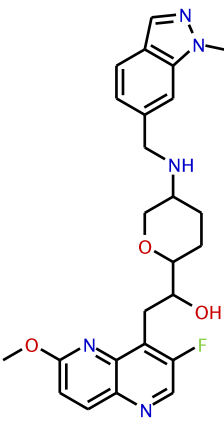
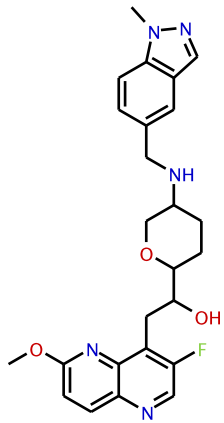
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277.	 THPYR-04-150	0.8381	0.0767
278.	 THPYR-04-152	0.2439	0.6128
279.	 THPYR-04-156	0.3486	0.4577

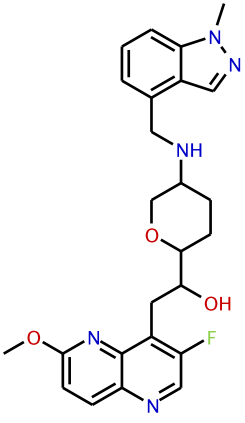
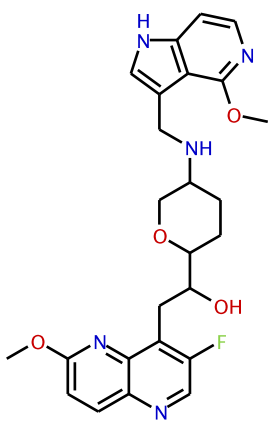
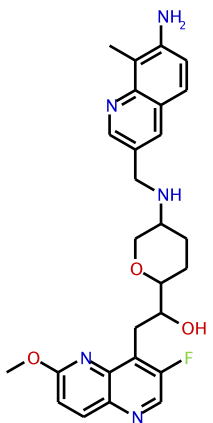
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280.	 THPYR-04-185	0.8188	0.0868
281.	 THPYR-04-205	1.9055	-0.2800
282.	 THPYR-04-217	0.6525	0.1854

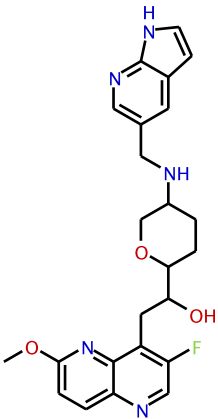
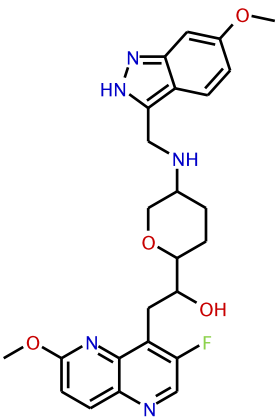
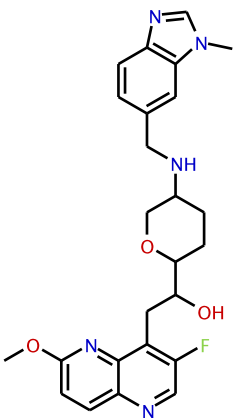
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
283.	 THPYR-04-218	1.6792	-0.2251
284.	 THPYR-04-221	0.2332	0.6323
285.	 THPYR-04-222	1.0755	-0.0316

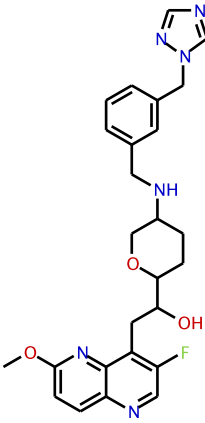
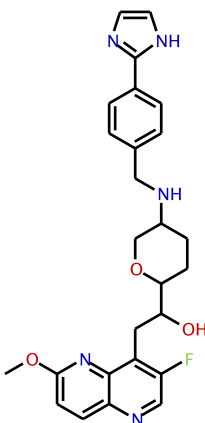
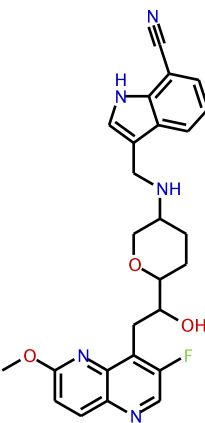
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
286.	 THPYR-04-223	0.8080	0.0926
287.	 THPYR-04-226	0.1401	0.8536
288.	 THPYR-04-227	0.1621	0.7902

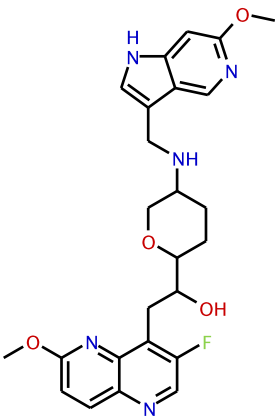
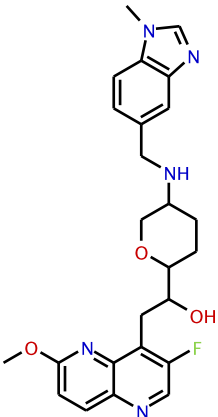
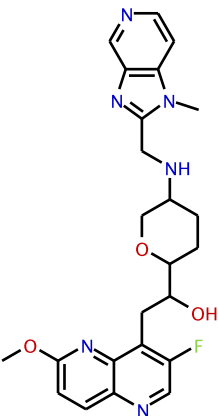
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289.	 THPYR-04-233	0.1896	0.7222
290.	 THPYR-04-234	1.1623	-0.0653
291.	 THPYR-04-237	0.4065	0.3909

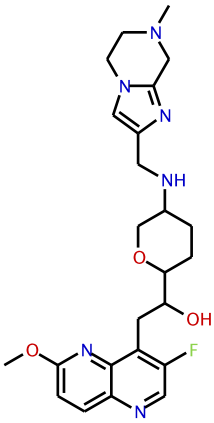
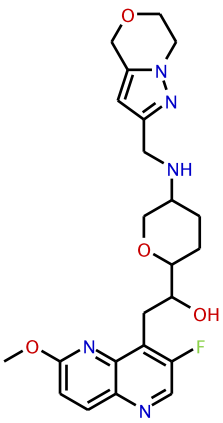
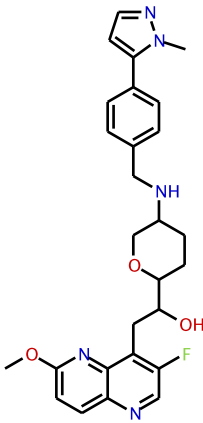
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292.	 THPYR-04-241	0.8285	0.0817
293.	 THPYR-04-251	0.2966	0.5278
294.	 THPYR-04-252	0.4094	0.3879

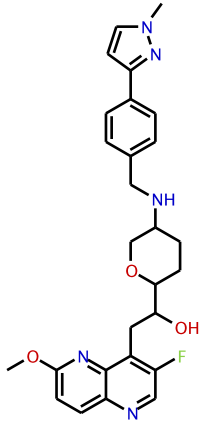
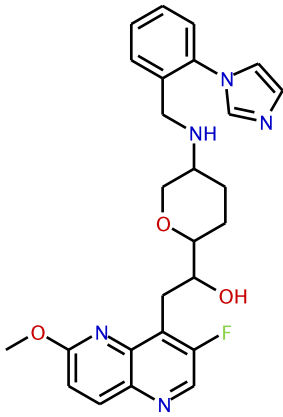
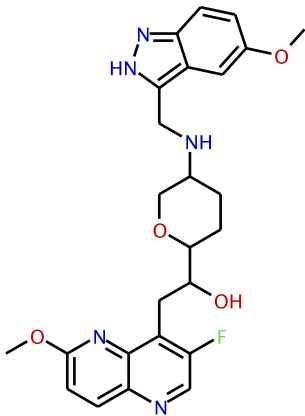
NBTIcombi			
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295.	 THPYR-04-253	1.3999	-0.1461
296.	 THPYR-04-267	1.3552	-0.1320
297.	 THPYR-04-274	1.1130	-0.0465

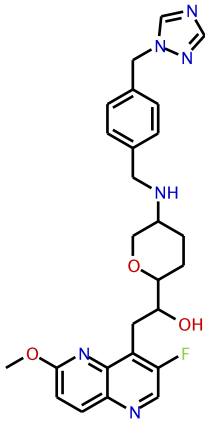
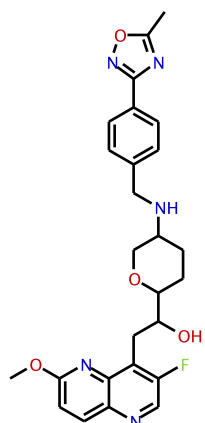
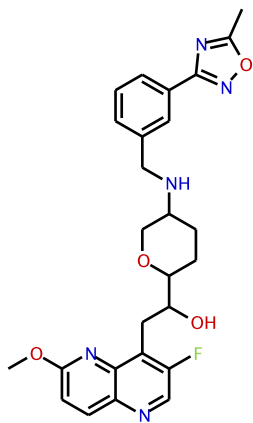
NBTIcombi			
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298.	 THPYR-04-275	1.6665	-0.2218
299.	 THPYR-04-276	0.4134	0.3836
300.	 THPYR-04-278	0.2612	0.5830

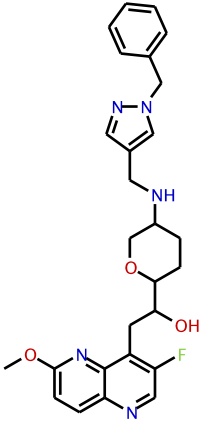
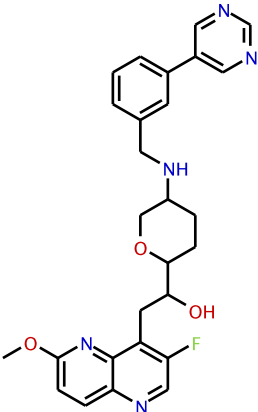
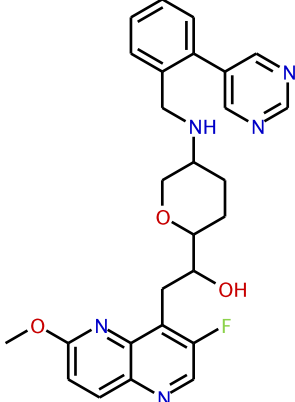
NBTIcombi			
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301.	 THPYR-04-279	0.4064	0.3910
302.	 THPYR-04-294	1.0271	-0.0116
303.	 THPYR-04-297	1.1580	-0.0637

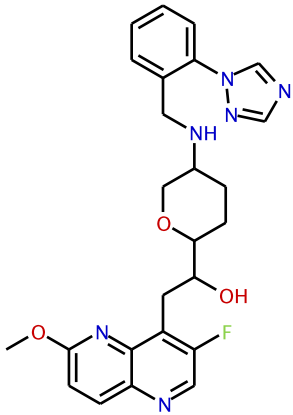
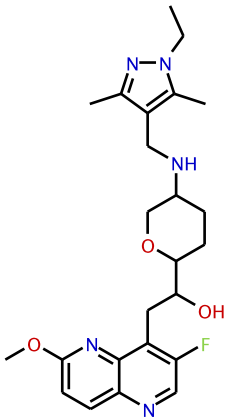
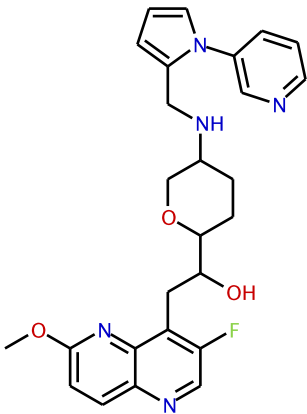
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ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
304.	 THPYR-04-304	0.6372	0.1957
305.	 THPYR-04-310	0.3311	0.4800
306.	 THPYR-04-325	1.2612	-0.1008

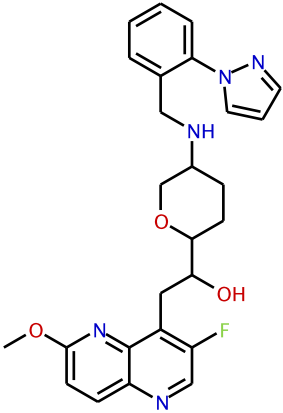
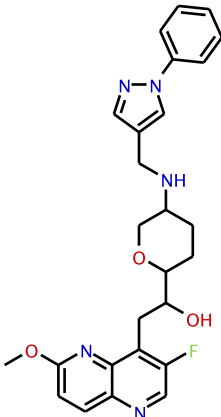
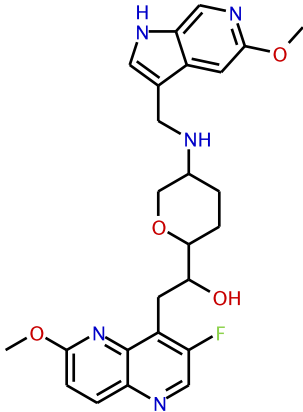
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
307.	 THPYR-04-329	0.3490	0.4572
308.	 THPYR-04-331	1.7474	-0.2424
309.	 THPYR-04-342	0.2726	0.5645

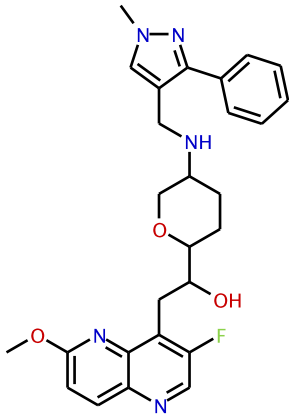
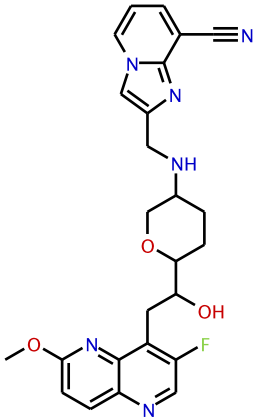
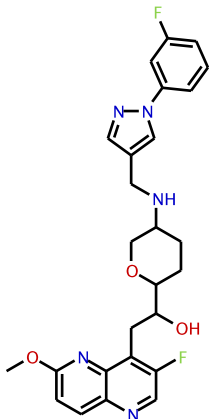
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ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
310.	 THPYR-04-343	0.2147	0.6682
311.	 THPYR-04-344	1.5177	-0.1812
312.	 THPYR-04-346	1.8072	-0.2570

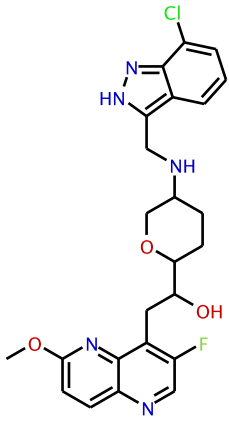
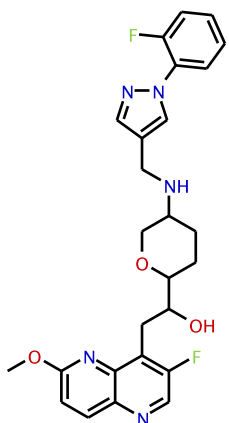
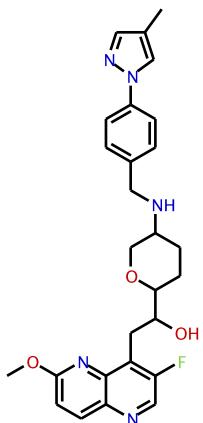
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ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
313.	 THPYR-04-349	0.4256	0.3710
314.	 THPYR-04-351	0.2738	0.5626
315.	 THPYR-04-355	0.1931	0.7142

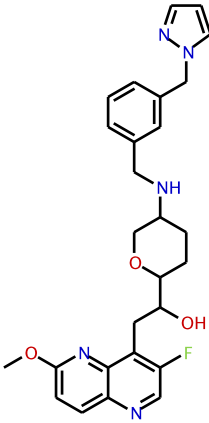
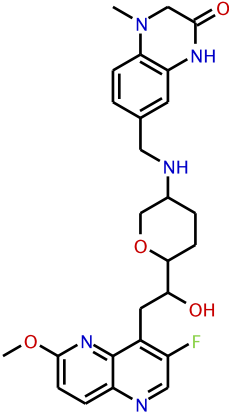
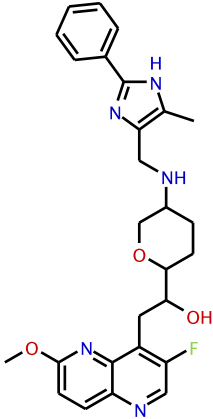
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
316.	 THPYR-04-365	0.6769	0.1695
317.	 THPYR-04-371	0.0938	1.0278
318.	 THPYR-04-372	1.1628	-0.0655

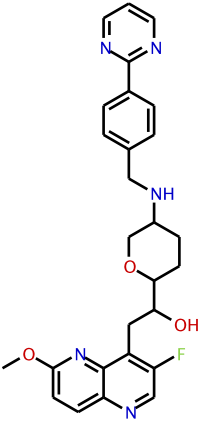
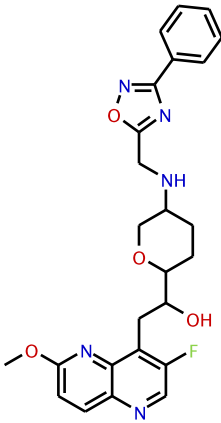
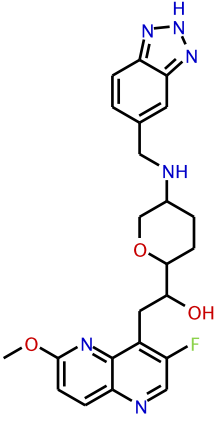
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
319.	 THPYR-04-373	1.3164	-0.1194
320.	 THPYR-04-377	1.0967	-0.0401
321.	 THPYR-04-378	1.2537	-0.0982

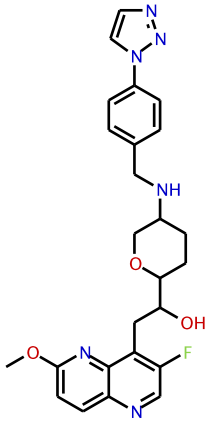
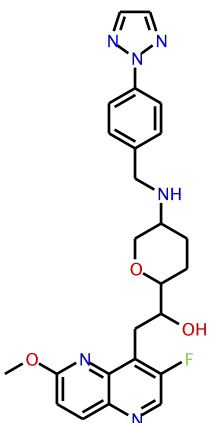
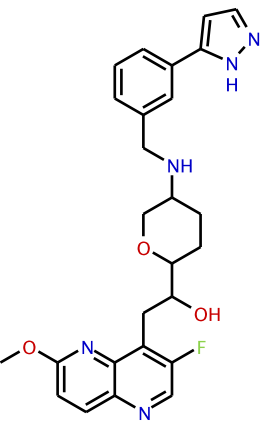
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
322.	 THPYR-04-385	1.5191	-0.1816
323.	 THPYR-04-386	0.7762	0.1100
324.	 THPYR-04-388	1.3449	-0.1287

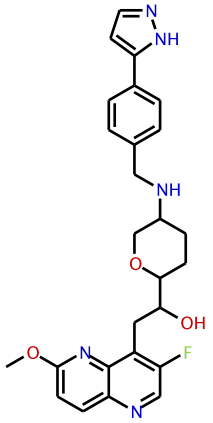
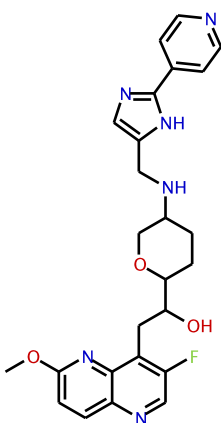
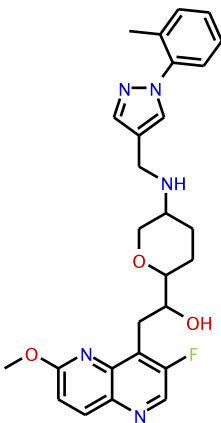
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
325.	 THPYR-04-389	0.2639	0.5786
326.	 THPYR-04-394	0.2165	0.6645
327.	 THPYR-04-397	0.8449	0.0732

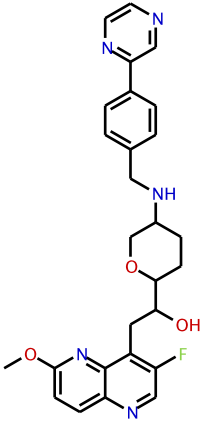
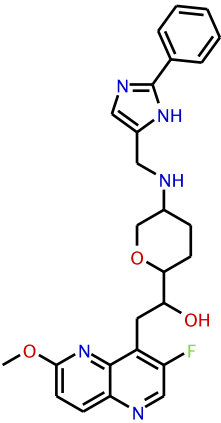
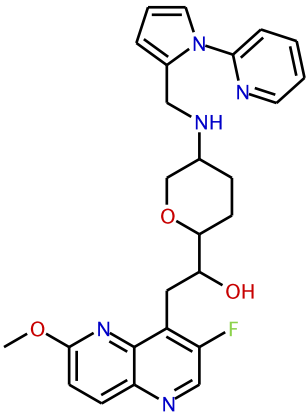
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
328.	 THPYR-04-398	1.6218	-0.2100
329.	 THPYR-04-399	0.6009	0.2212
330.	 THPYR-04-400	0.4226	0.3741

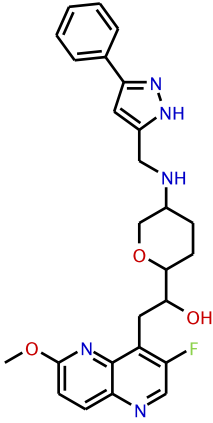
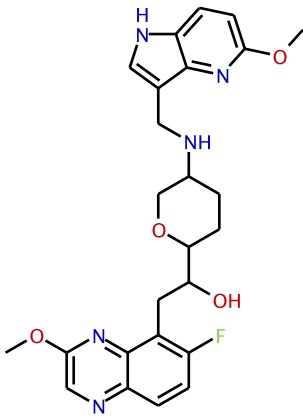
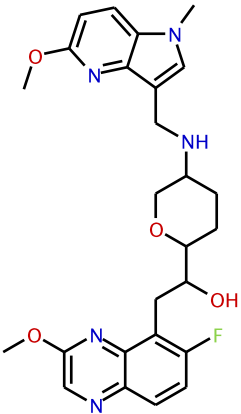
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
331.	 THPYR-04-402	0.8796	0.0557
332.	 THPYR-04-403	0.2495	0.6029
333.	 THPYR-04-407	0.1234	0.9087

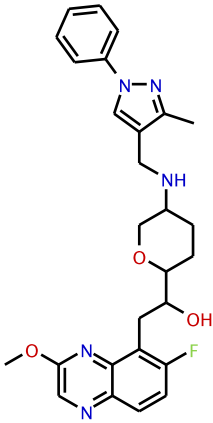
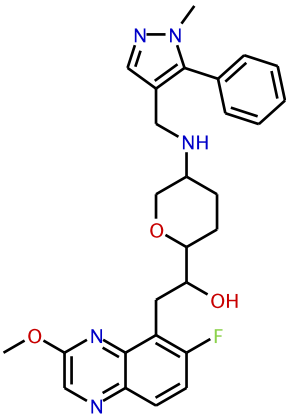
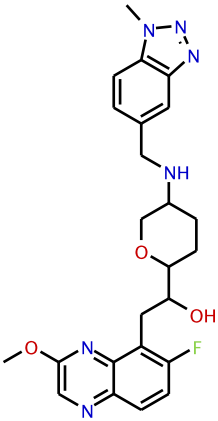
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
334.	 THPYR-04-411	0.9596	0.0179
335.	 THPYR-04-412	0.8498	0.0707
336.	 THPYR-04-413	0.9253	0.0337

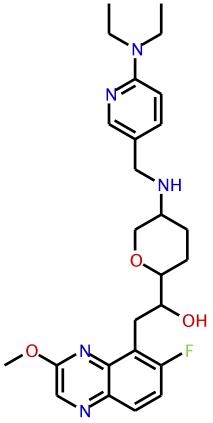
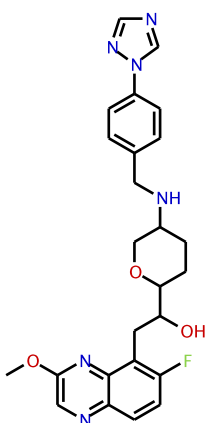
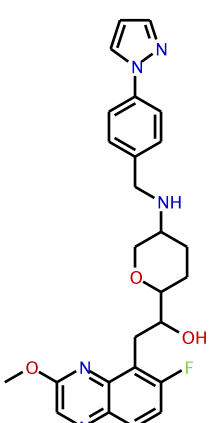
NBTIcombi			
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337.	 THPYR-04-416	1.4962	-0.1750
338.	 THPYR-04-417	1.2604	-0.1005
339.	 THPYR-04-418	0.7271	0.1384

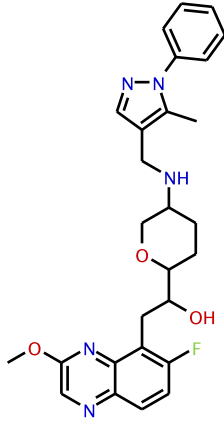
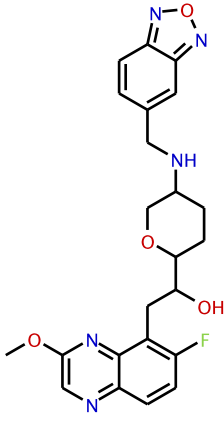
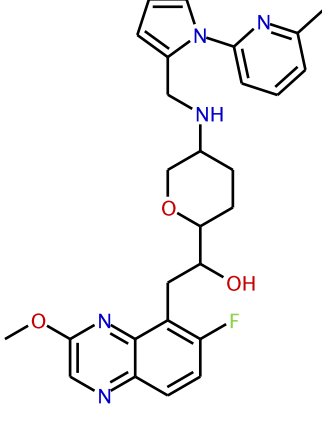
NBTIcombi			
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340.	 THPYR-04-419	0.9587	0.0183
341.	 THPYR-04-420	0.3683	0.4338
342.	 THPYR-04-426	0.4376	0.3589

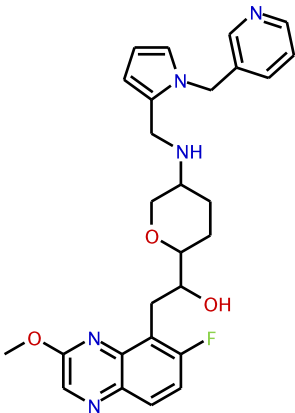
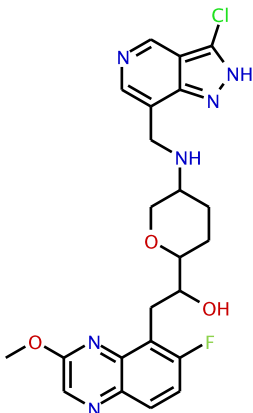
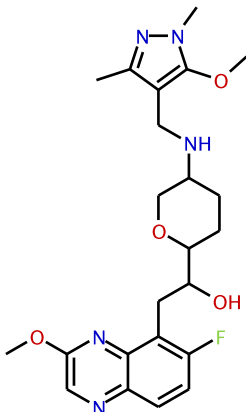
NBTIcombi			
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343.	 THPYR-04-427	0.6003	0.2216
344.	 THPYR-04-428	0.5416	0.2663
345.	 THPYR-04-429	0.9694	0.0135

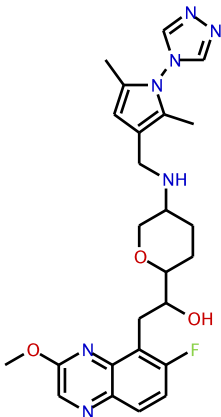
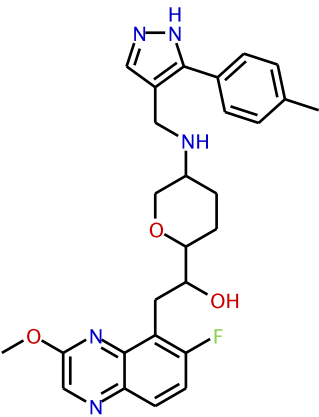
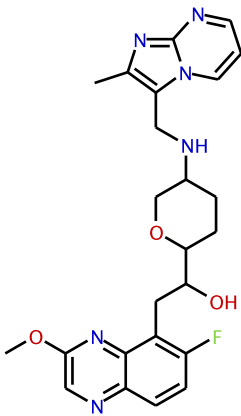
NBTIcombi			
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346.	 THPYR-04-430	0.8722	0.0594
347.	 THPYR-05-001	1.2776	-0.1064
348.	 THPYR-05-002	0.1285	0.8911

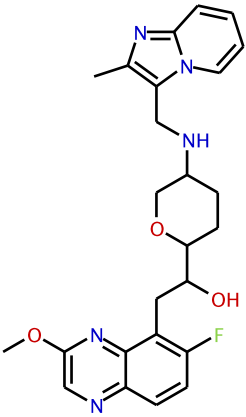
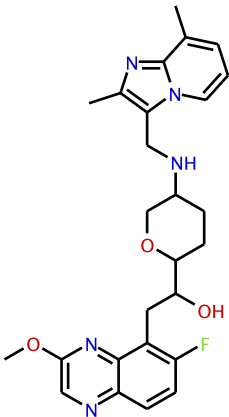
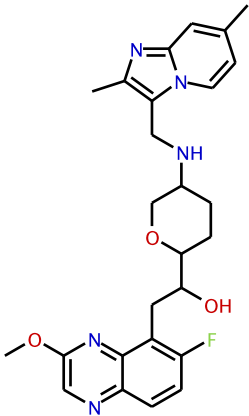
NBTIcombi			
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349.	 THPYR-05-009	0.2442	0.6123
350.	 THPYR-05-015	1.1923	-0.0764
351.	 THPYR-05-016	0.5596	0.2521

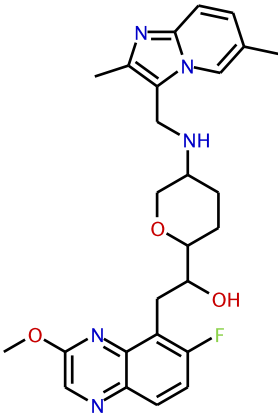
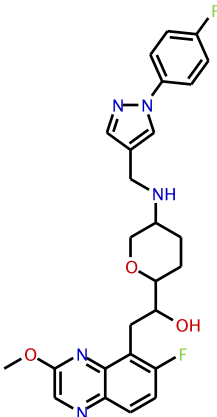
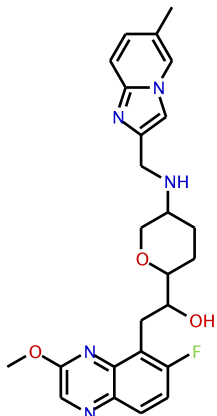
NBTIcombi			
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352.	 THPYR-05-017	0.8420	0.0747
353.	 THPYR-05-037	0.7495	0.1252
354.	 THPYR-05-038	1.1122	-0.0462

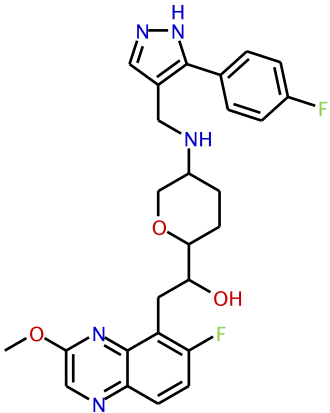
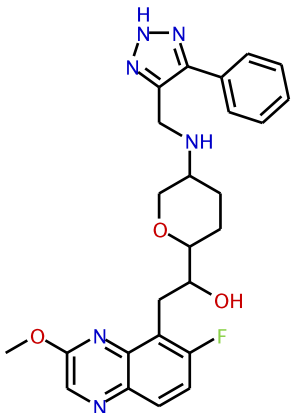
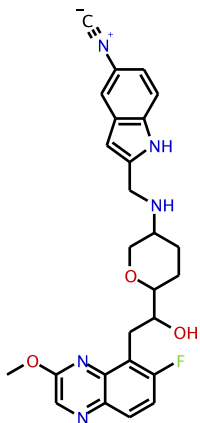
NBTlcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
355.	 THPYR-05-039	0.2336	0.6315
356.	 THPYR-05-041	1.5438	-0.1886
357.	 THPYR-05-047	1.3709	-0.1370

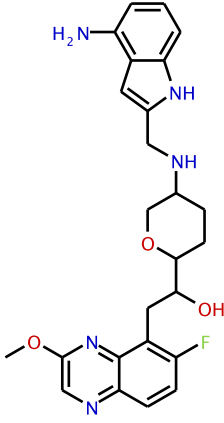
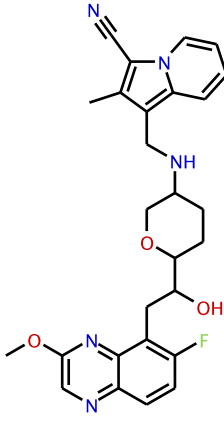
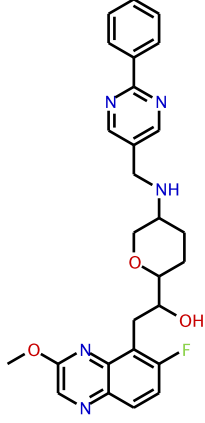
NBTIcombi			
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358.	 THPYR-05-048	0.9605	0.0175
359.	 THPYR-05-052	0.6446	0.1907
360.	 THPYR-05-059	1.3568	-0.1325

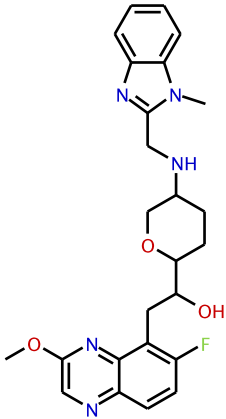
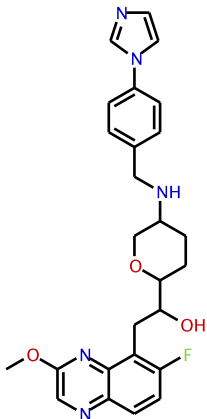
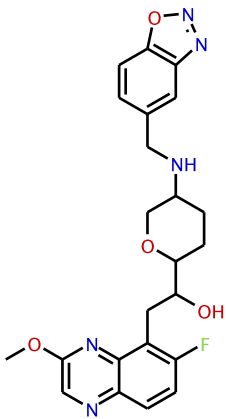
NBTIcombi			
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361.	 THPYR-05-060	0.0061	2.2147
362.	 THPYR-05-072	0.6961	0.1573
363.	 THPYR-05-076	1.1598	-0.0644

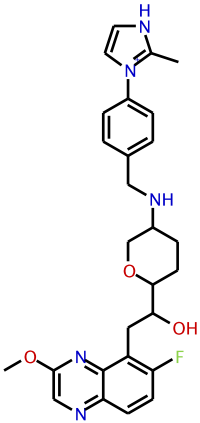
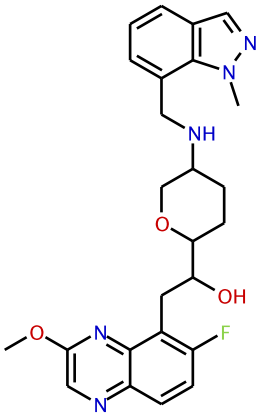
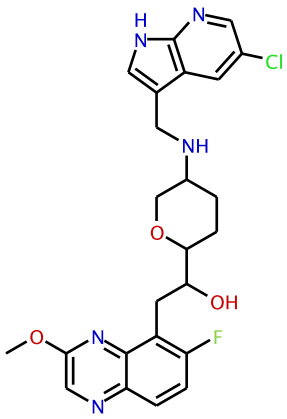
NBTlcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
364.	 THPYR-05-077	1.1910	-0.0759
365.	 THPYR-05-081	0.5440	0.2644
366.	 THPYR-05-082	0.2353	0.6284

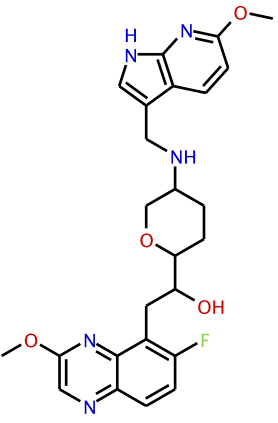
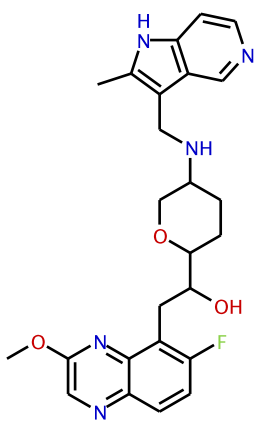
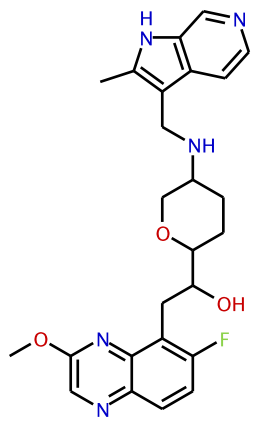
NBTIcombi			
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367.	 THPYR-05-083	0.3326	0.4781
368.	 THPYR-05-106	0.3126	0.5050
369.	 THPYR-05-114	1.1918	-0.0762

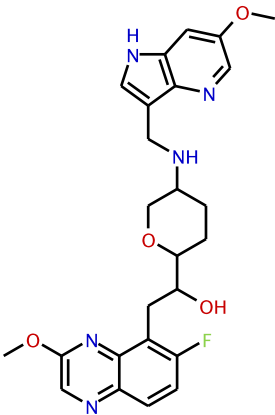
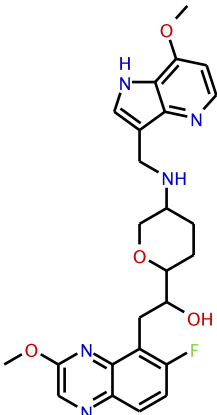
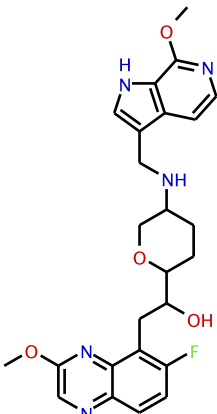
NBTIcombi			
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370.	 THPYR-05-144	1.0718	-0.0301
371.	 THPYR-05-146	1.5585	-0.1927
372.	 THPYR-05-150	0.8209	0.0857

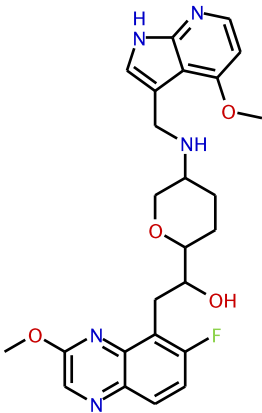
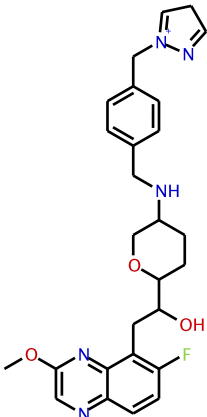
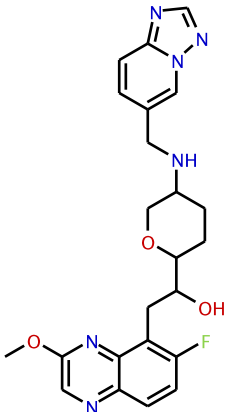
NBTIcombi			
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373.	 THPYR-05-152	0.3065	0.5136
374.	 THPYR-05-156	0.3144	0.5025
375.	 THPYR-05-182	1.8488	-0.2669

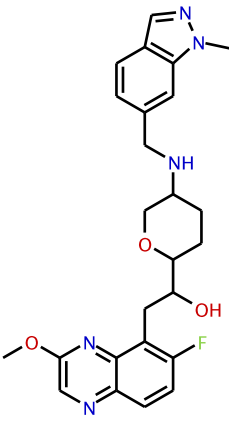
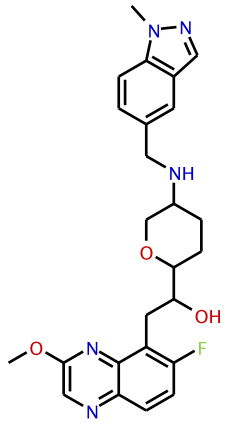
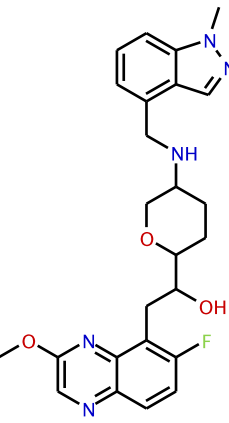
NBTIcombi			
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376.	 THPYR-05-185	0.9667	0.0147
377.	 THPYR-05-189	1.3113	-0.1177
378.	 THPYR-05-214	1.7997	-0.2552

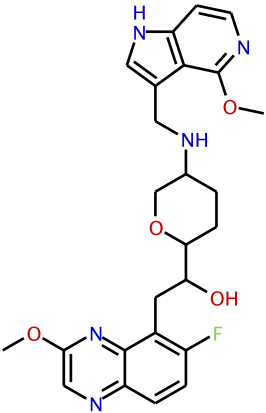
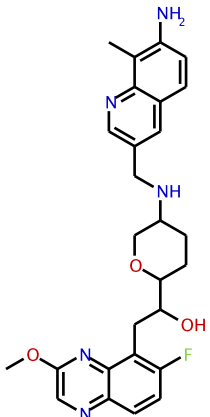
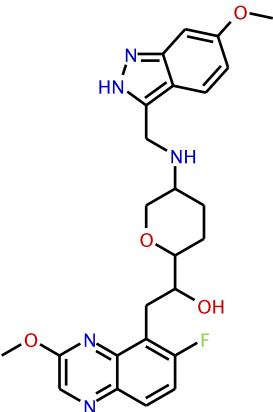
NBTIcombi			
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379.	 THPYR-05-217	1.4672	-0.1665
380.	 THPYR-05-218	1.6604	-0.2202
381.	 THPYR-05-220	1.1269	-0.0519

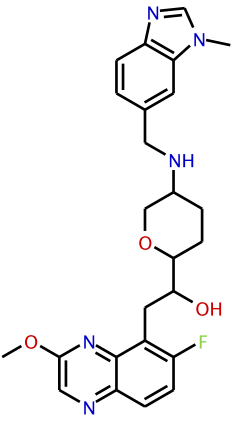
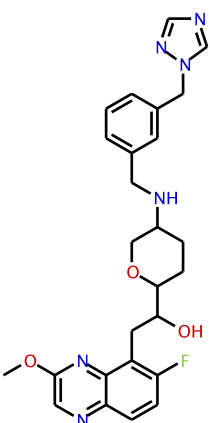
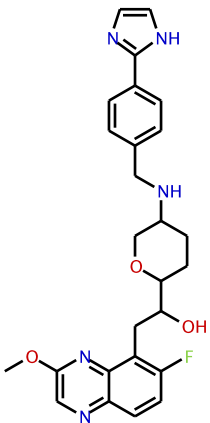
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
382.	 THPYR-05-221	0.1204	0.9194
383.	 THPYR-05-222	1.2120	-0.0835
384.	 THPYR-05-223	0.9730	0.0119

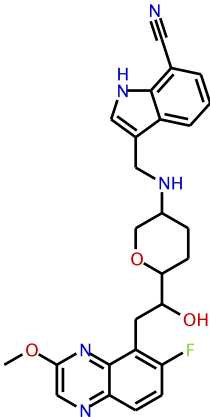
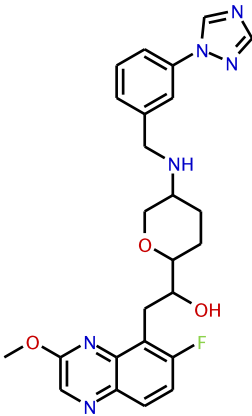
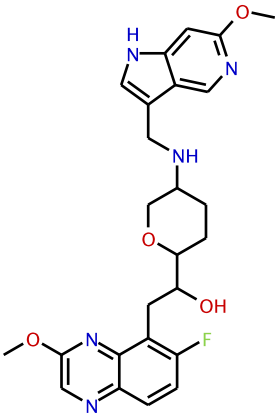
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
385.	 THPYR-05-226	0.1566	0.8052
386.	 THPYR-05-227	0.1832	0.7371
387.	 THPYR-05-233	0.2405	0.6189

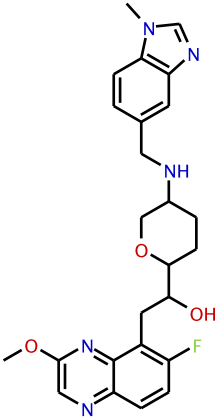
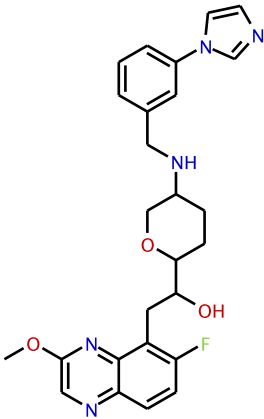
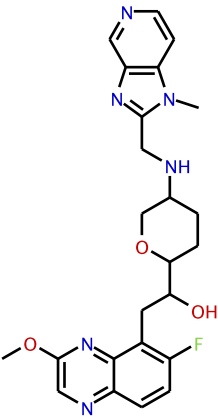
NBTIcombi			
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388.	 THPYR-05-234	1.1569	-0.0633
389.	 THPYR-05-237	0.3624	0.4408
390.	 THPYR-05-241	1.0750	-0.0314

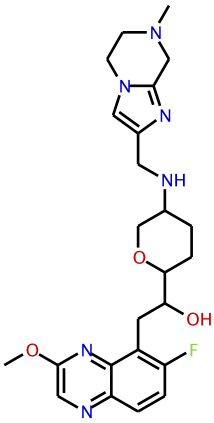
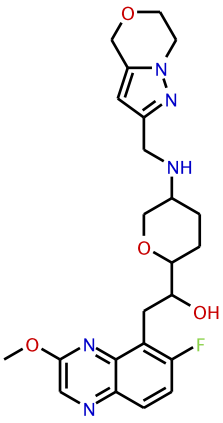
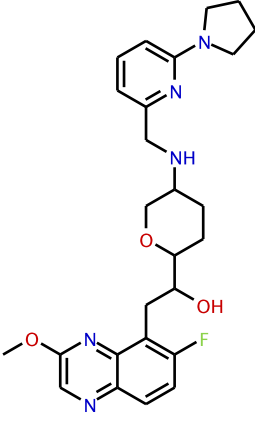
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
391.	 THPYR-05-251	0.4172	0.3797
392.	 THPYR-05-252	0.4579	0.3392
393.	 THPYR-05-253	1.5996	-0.2040

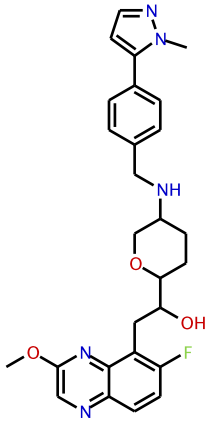
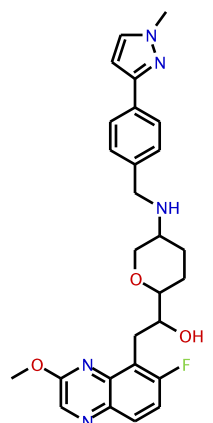
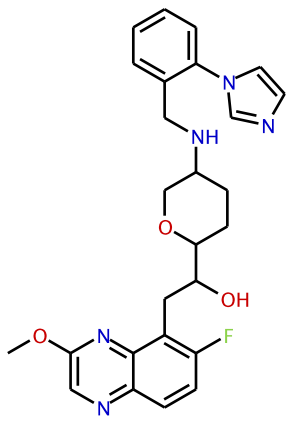
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
394.	 THPYR-05-267	1.1290	-0.0527
395.	 THPYR-05-274	1.6014	-0.2045
396.	 THPYR-05-276	0.2068	0.6844

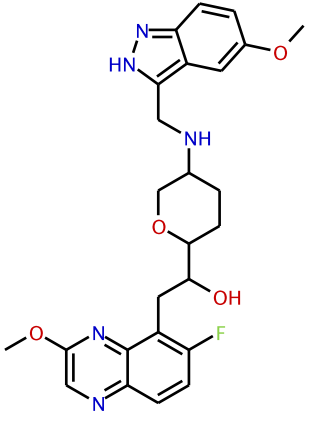
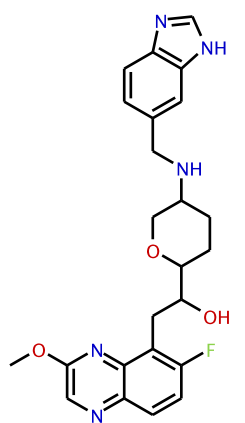
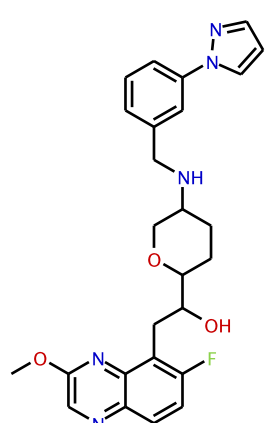
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
397.	 THPYR-05-278	0.2782	0.5556
398.	 THPYR-05-279	0.3245	0.4888
399.	 THPYR-05-294	1.0641	-0.0270

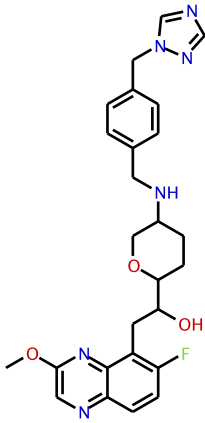
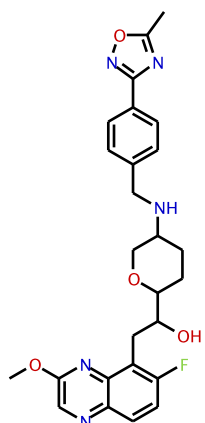
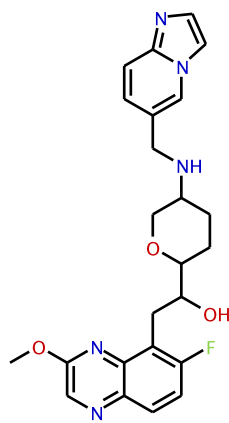
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
400.	 THPYR-05-297	1.1604	-0.0646
401.	 THPYR-05-303	0.5246	0.2802
402.	 THPYR-05-304	0.4550	0.3420

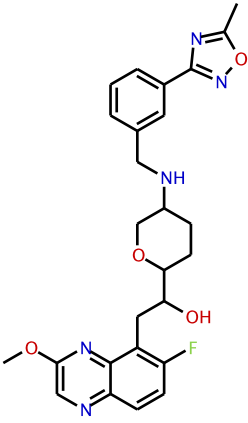
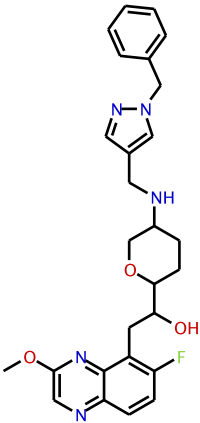
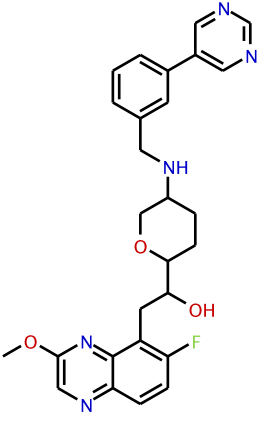
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
403.	 THPYR-05-310	0.3827	0.4171
404.	 THPYR-05-315	0.6249	0.2042
405.	 THPYR-05-325	1.2549	-0.0986

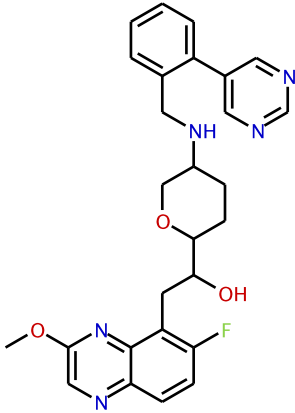
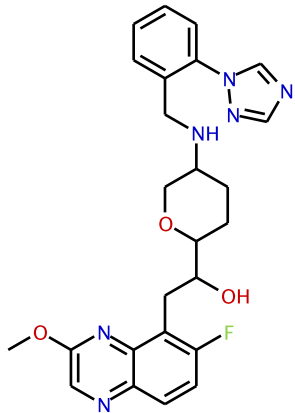
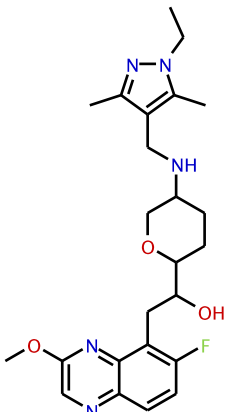
NBTIcombi			
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406.	 THPYR-05-329	0.5682	0.2455
407.	 THPYR-05-331	1.8471	-0.2665
408.	 THPYR-05-341	1.4696	-0.1672

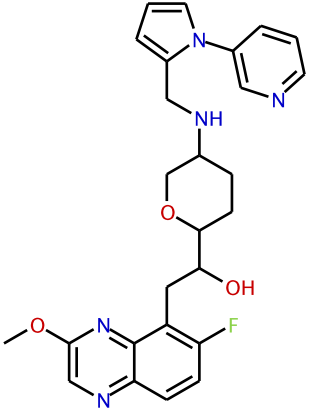
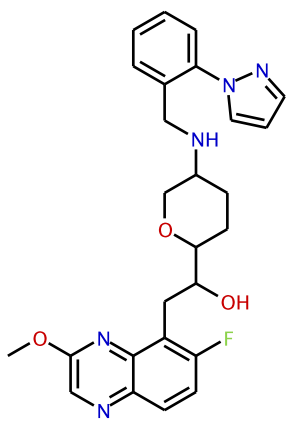
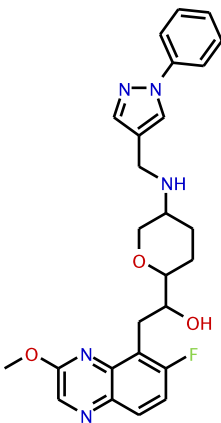
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409.	 THPYR-05-342	0.2938	0.5319
410.	 THPYR-05-343	0.2259	0.6461
411.	 THPYR-05-344	1.6319	-0.2127

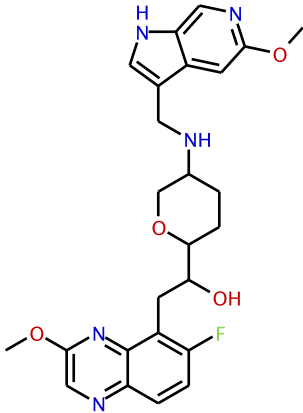
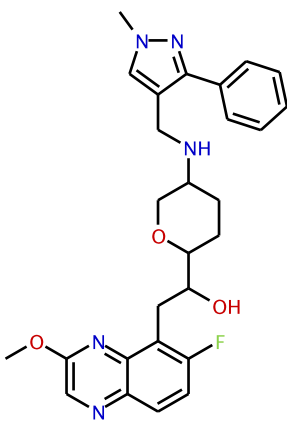
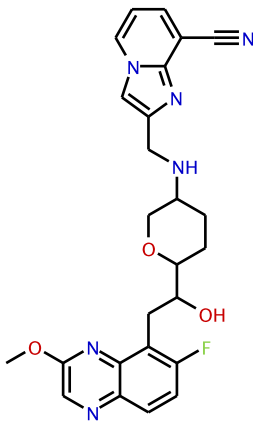
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412.	 THPYR-05-346	1.8958	-0.2778
413.	 THPYR-05-347	1.4921	-0.1738
414.	 THPYR-05-348	0.6498	0.1872

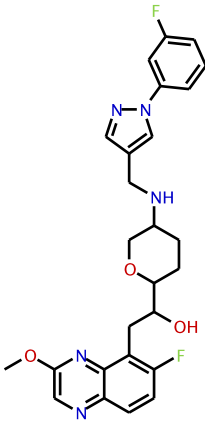
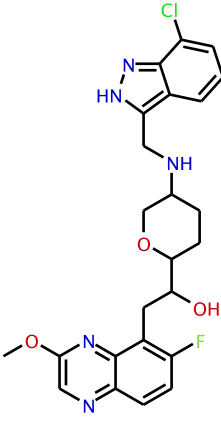
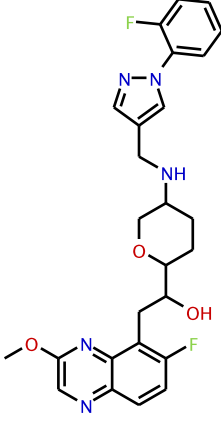
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415.	 THPYR-05-349	0.3464	0.4604
416.	 THPYR-05-351	0.2686	0.5709
417.	 THPYR-05-352	1.3173	-0.1197

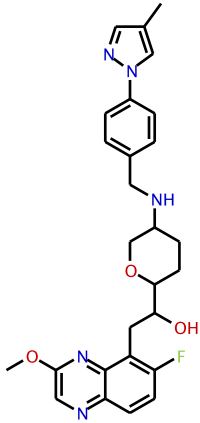
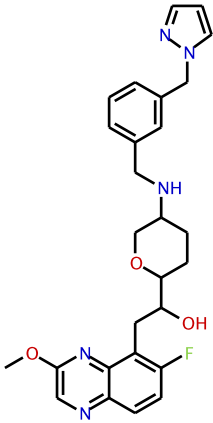
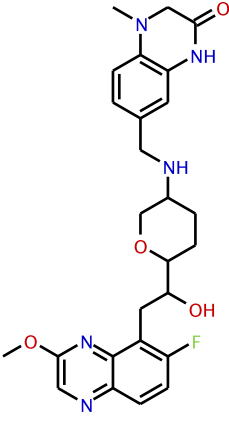
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
418.	 THPYR-05-355	0.1830	0.7375
419.	 THPYR-05-365	0.8584	0.0663
420.	 THPYR-05-371	0.1083	0.9654

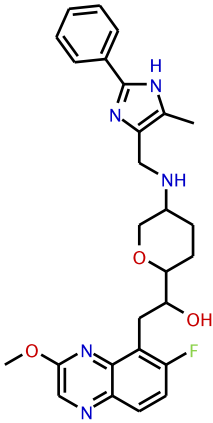
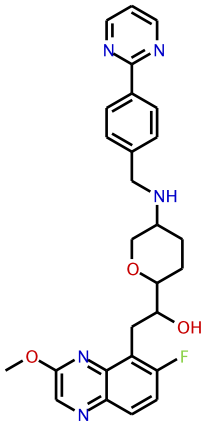
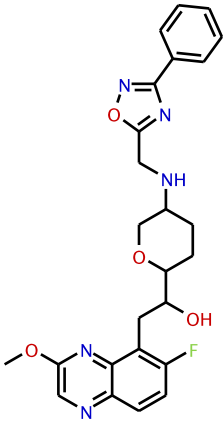
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
421.	 THPYR-05-372	0.9730	0.0119
422.	 THPYR-05-373	1.4191	-0.1520
423.	 THPYR-05-377	1.3222	-0.1213

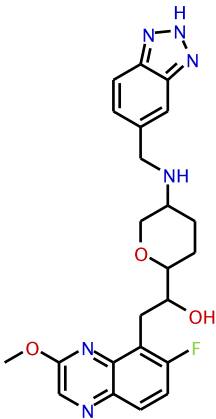
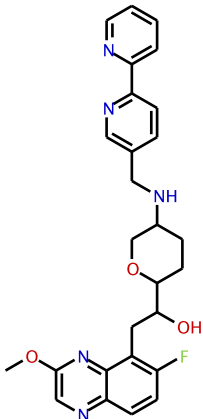
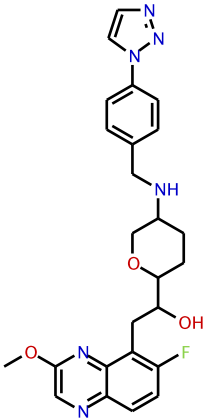
NBTIcombi			
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424.	 THPYR-05-378	1.4488	-0.1610
425.	 THPYR-05-385	1.2951	-0.1123
426.	 THPYR-05-386	0.6431	0.1917

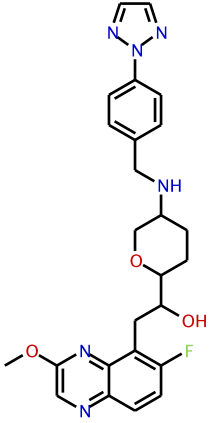
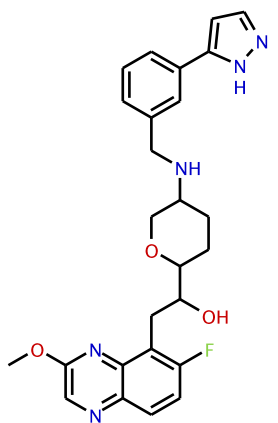
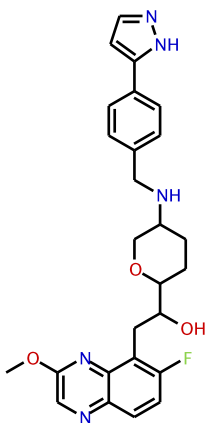
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
427.	 THPYR-05-388	1.3268	-0.1228
428.	 THPYR-05-389	0.2070	0.6840
429.	 THPYR-05-394	0.1882	0.7254

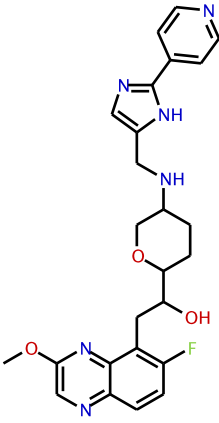
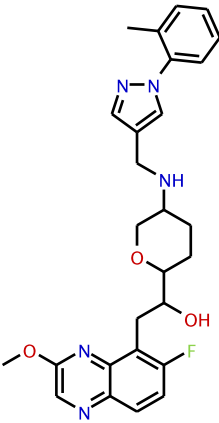
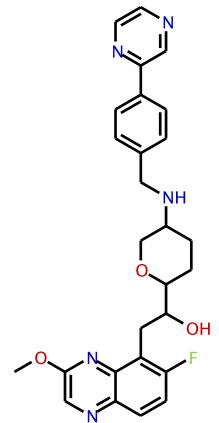
NBTIcombi			
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430.	 THPYR-05-397	0.8091	0.0920
431.	 THPYR-05-398	1.6203	-0.2096
432.	 THPYR-05-399	0.6053	0.2180

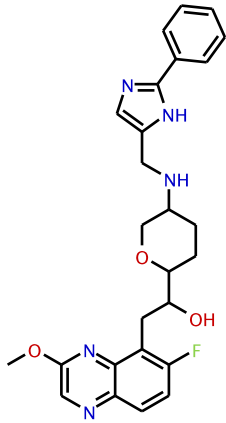
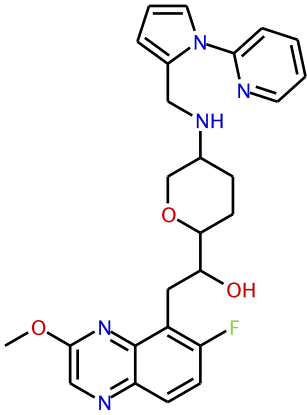
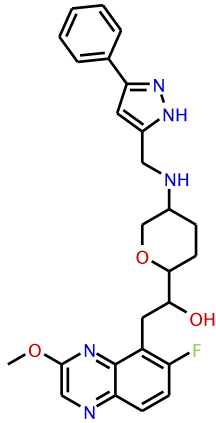
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
433.	 THPYR-05-400	0.4708	0.3272
434.	 THPYR-05-402	0.7178	0.1440
435.	 THPYR-05-403	0.3065	0.5136

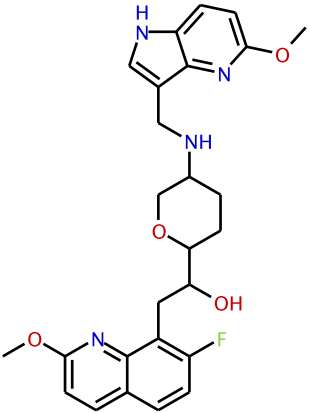
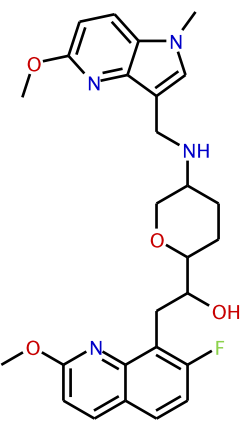
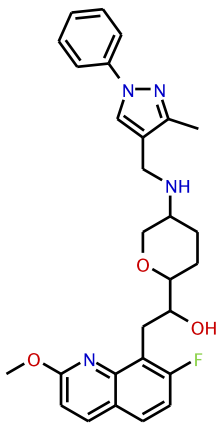
NBTIcombi			
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436.	 THPYR-05-407	0.1565	0.8055
437.	 THPYR-05-411	0.5238	0.2808
438.	 THPYR-05-412	1.6478	-0.2169

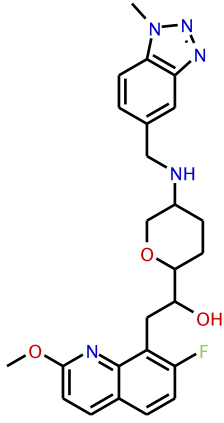
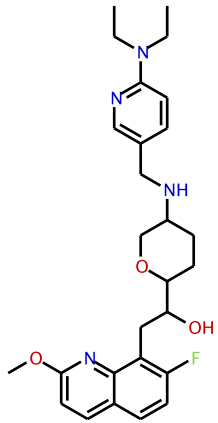
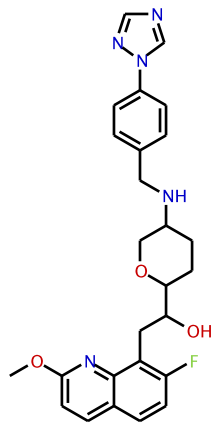
NBTIcombi			
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439.	 THPYR-05-413	1.3155	-0.1191
440.	 THPYR-05-415	1.5129	-0.1798
441.	 THPYR-05-416	0.9815	0.0081

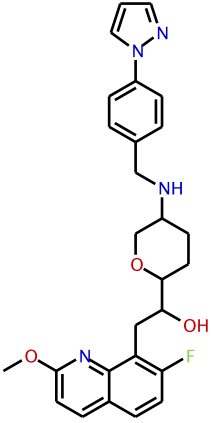
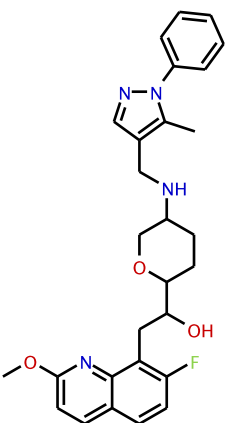
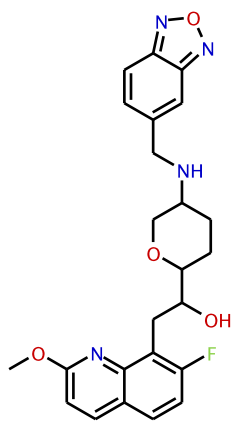
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
442.	 THPYR-05-417	0.7506	0.1246
443.	 THPYR-05-418	0.5708	0.2435
444.	 THPYR-05-419	0.9784	0.0095

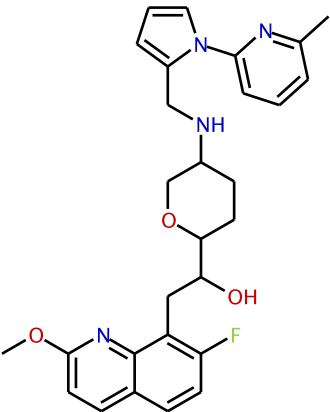
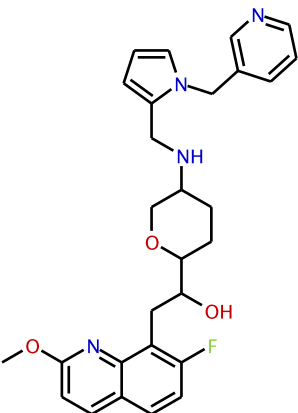
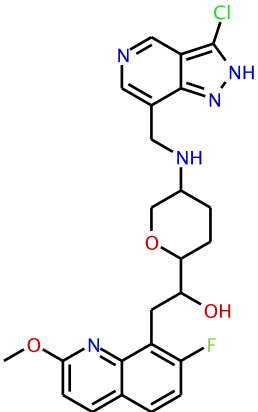
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
445.	 THPYR-05-420	0.2897	0.5381
446.	 THPYR-05-426	0.8829	0.0541
447.	 THPYR-05-427	0.5438	0.2646

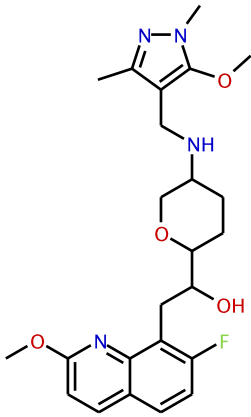
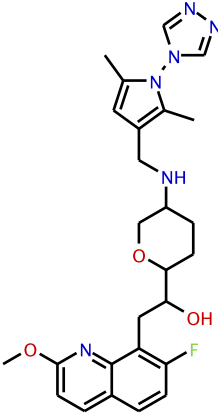
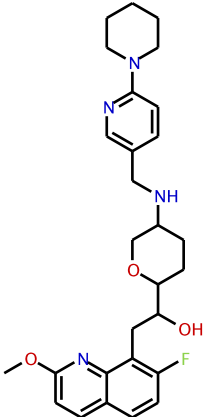
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
448.	 THPYR-05-428	0.4644	0.3331
449.	 THPYR-05-429	1.0106	-0.0046
450.	 THPYR-05-430	0.9632	0.0163

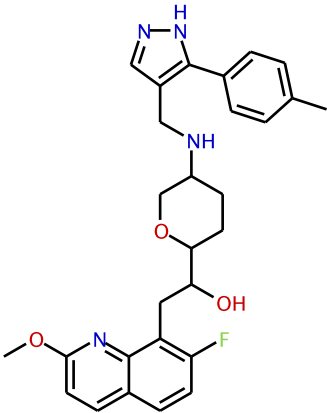
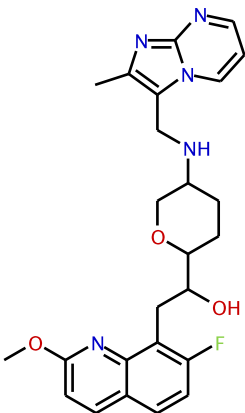
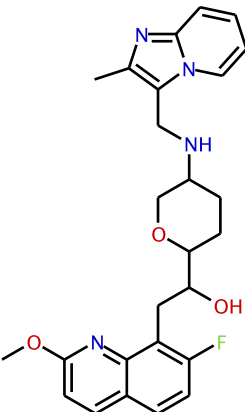
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
451.	 THPYR-06-001	1.3474	-0.1295
452.	 THPYR-06-002	0.3479	0.4585
453.	 THPYR-06-009	0.2782	0.5556

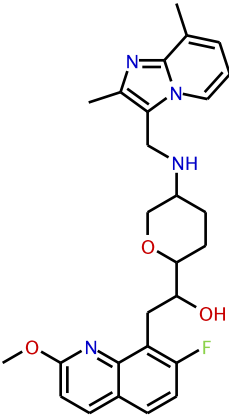
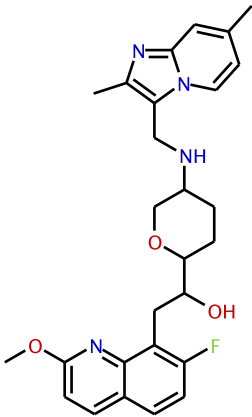
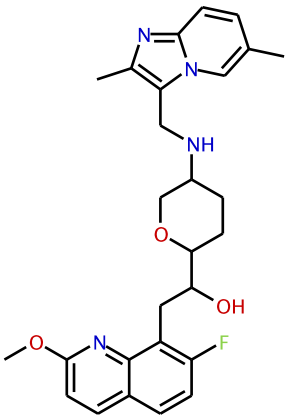
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
454.	 THPYR-06-016	0.3479	0.4585
455.	 THPYR-06-017	0.8054	0.0940
456.	 THPYR-06-037	0.7898	0.1025

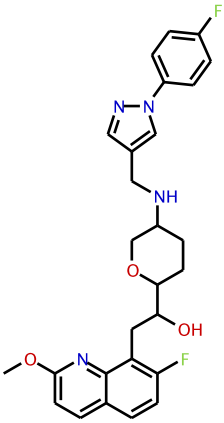
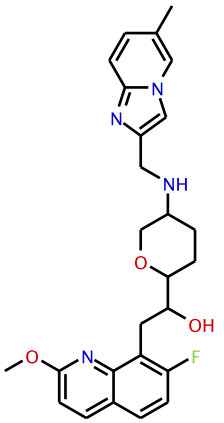
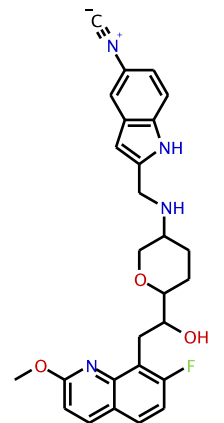
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
457.	 THPYR-06-038	1.2128	-0.0838
458.	 THPYR-06-039	0.2153	0.6670
459.	 THPYR-06-041	1.6788	-0.2250

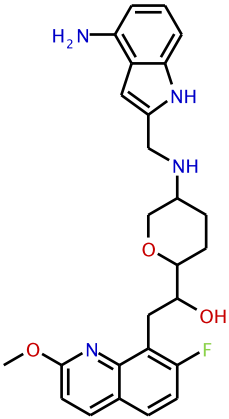
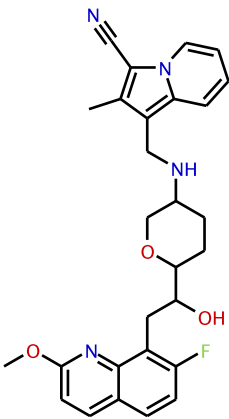
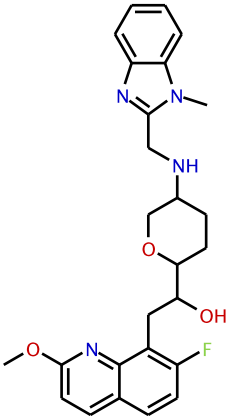
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
460.	 THPYR-06-047	1.5838	-0.1997
461.	 THPYR-06-048	0.8162	0.0882
462.	 THPYR-06-052	1.3280	-0.1232

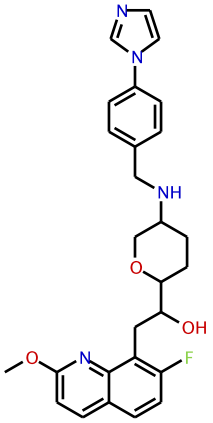
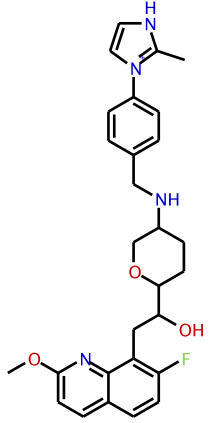
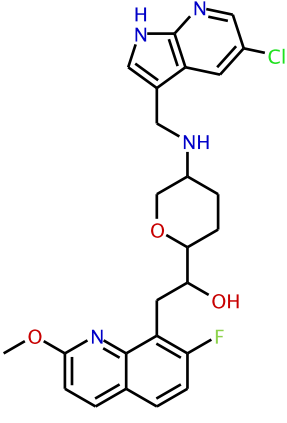
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
463.	 THPYR-06-059	1.2921	-0.1113
464.	 THPYR-06-060	0.0052	2.2840
465.	 THPYR-06-061	0.9382	0.0277

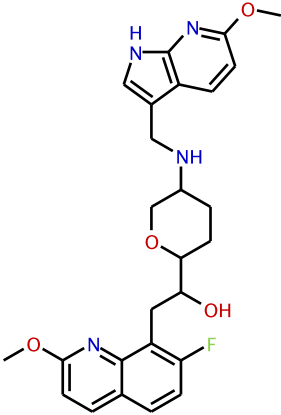
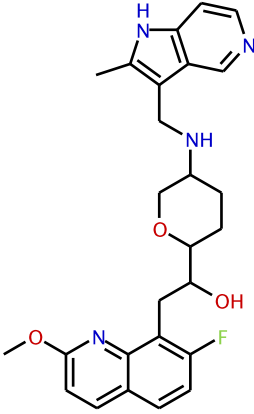
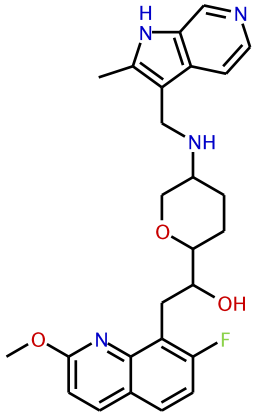
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
466.	 THPYR-06-072	1.5321	-0.1853
467.	 THPYR-06-076	1.1625	-0.0654
468.	 THPYR-06-077	1.8026	-0.2559

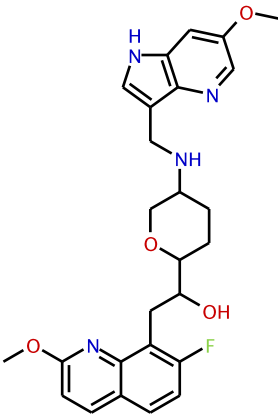
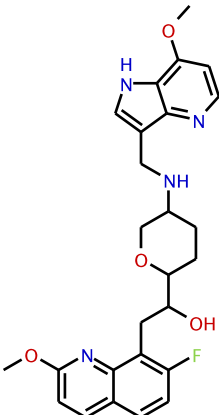
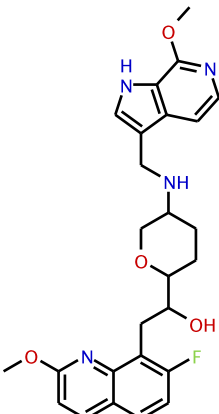
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
469.	 THPYR-06-081	0.4776	0.3209
470.	 THPYR-06-082	0.1201	0.9205
471.	 THPYR-06-083	0.4725	0.3256

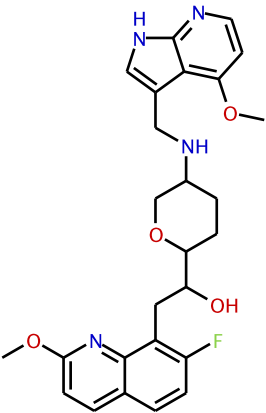
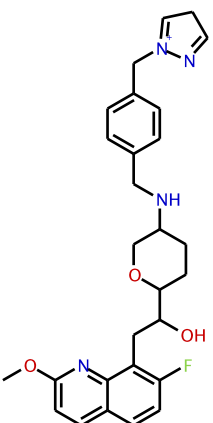
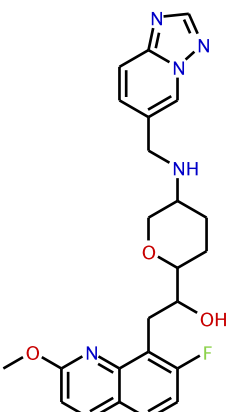
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
472.	 THPYR-06-106	0.2446	0.6115
473.	 THPYR-06-114	1.2266	-0.0887
474.	 THPYR-06-150	0.5289	0.2766

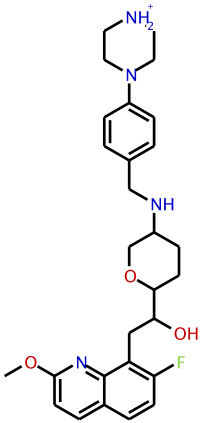
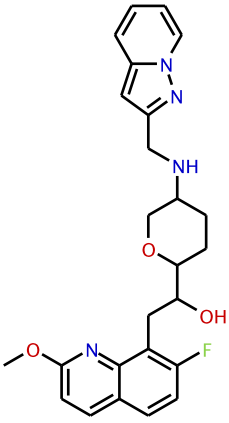
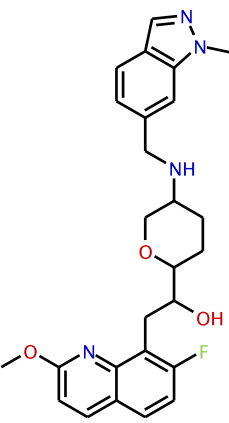
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
475.	 THPYR-06-152	0.2844	0.5461
476.	 THPYR-06-156	0.1878	0.7263
477.	 THPYR-06-185	0.9022	0.0447

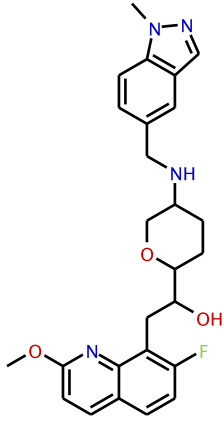
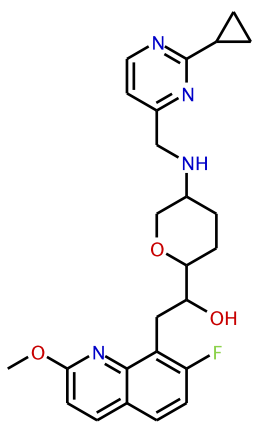
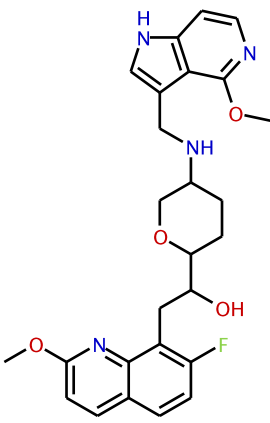
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
478.	 THPYR-06-189	1.7262	-0.2371
479.	 THPYR-06-217	0.3111	0.5071
480.	 THPYR-06-220	1.7266	-0.2372
481.		0.1870	0.7282

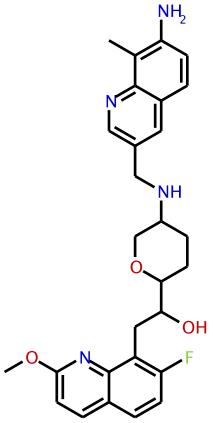
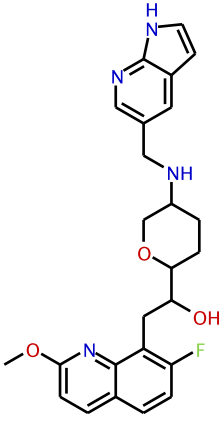
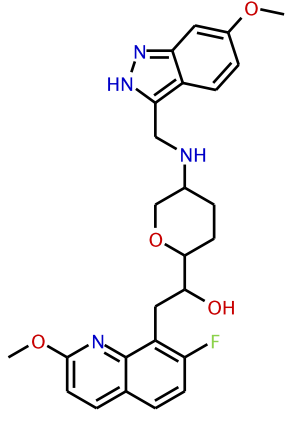
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
	 THPYR-06-221		
482.	 THPYR-06-222	1.0462	-0.0196
483.	 THPYR-06-223	0.8630	0.0640

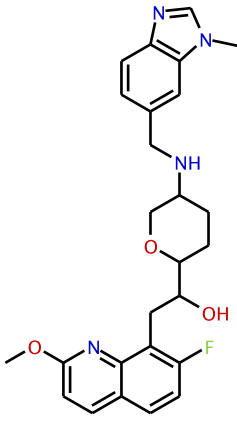
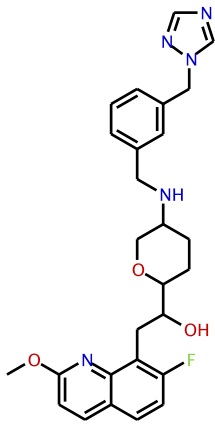
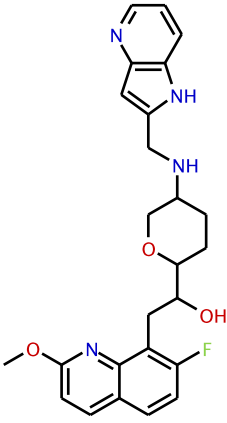
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
484.	 THPYR-06-226	0.1395	0.8554
485.	 THPYR-06-227	0.1729	0.7622
486.	 THPYR-06-233	0.1352	0.8690

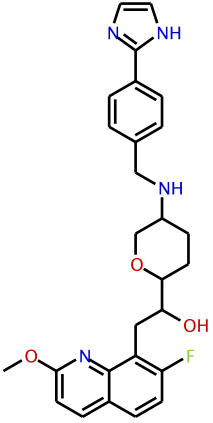
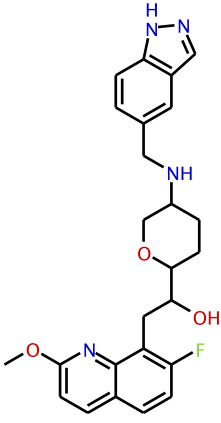
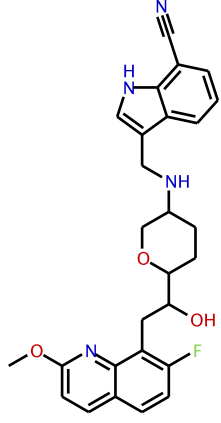
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
487.	 THPYR-06-234	1.0812	-0.0339
488.	 THPYR-06-237	0.1769	0.7523
489.	 THPYR-06-241	0.9462	0.0240

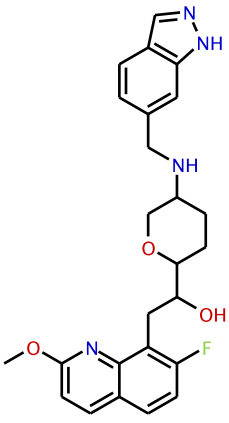
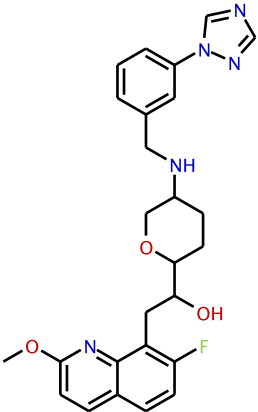
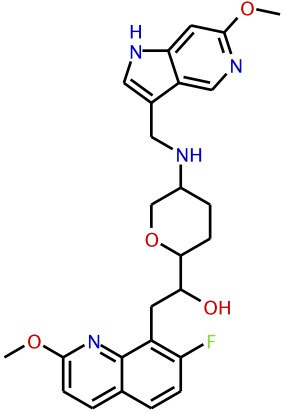
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
490.	 THPYR-06-248	1.1918	-0.0762
491.	 THPYR-06-249	1.7183	-0.2351
492.	 THPYR-06-251	0.2808	0.5516

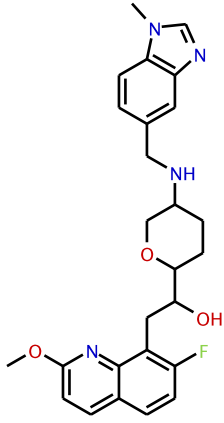
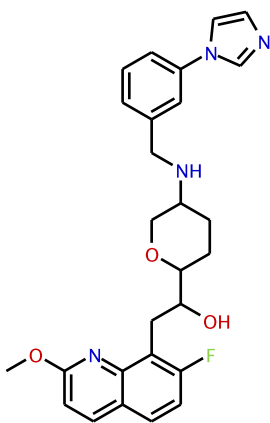
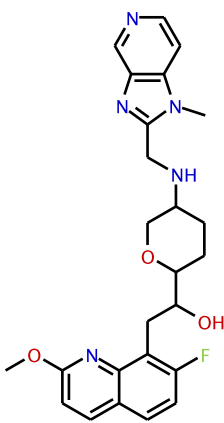
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
493.	 THPYR-06-252	0.3575	0.4467
494.	 THPYR-06-254	1.9253	-0.2845
495.	 THPYR-06-267	1.1735	-0.0695

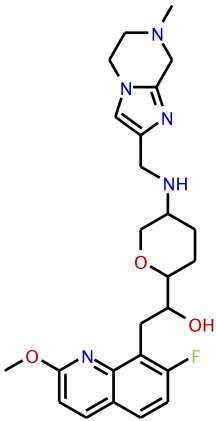
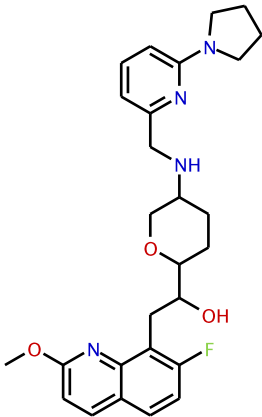
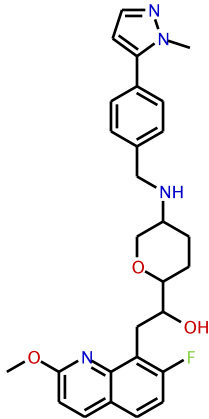
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
496.	 THPYR-06-274	0.8690	0.0610
497.	 THPYR-06-275	1.9616	-0.2926
498.	 THPYR-06-276	0.3475	0.4590

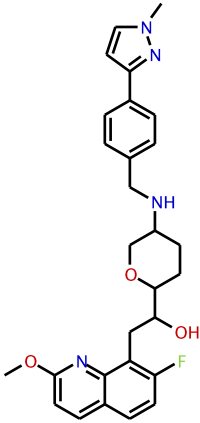
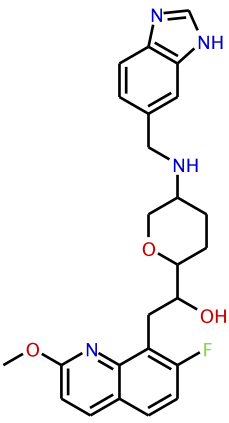
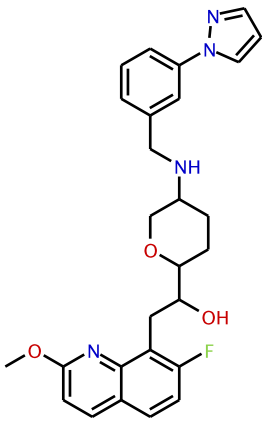
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
499.	 THPYR-06-278	0.2102	0.6774
500.	 THPYR-06-279	0.4661	0.3315
501.	 THPYR-06-281	1.7037	-0.2314

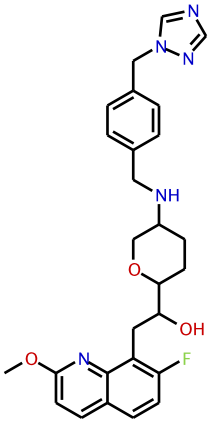
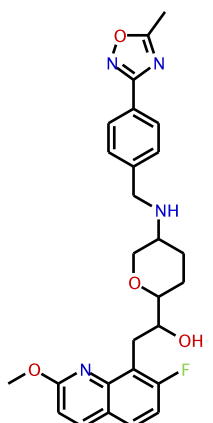
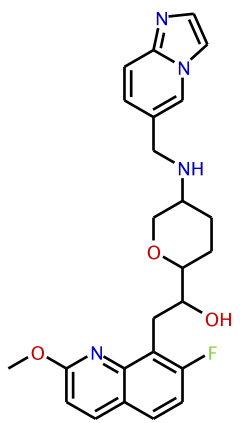
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
502.	 THPYR-06-294	1.4002	-0.1462
503.	 THPYR-06-295	1.6604	-0.2202
504.	 THPYR-06-297	0.9281	0.0324

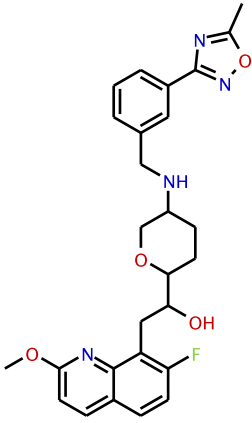
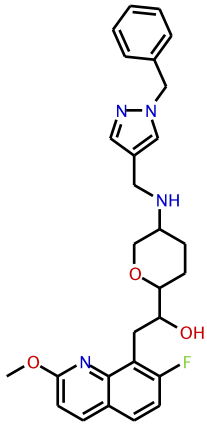
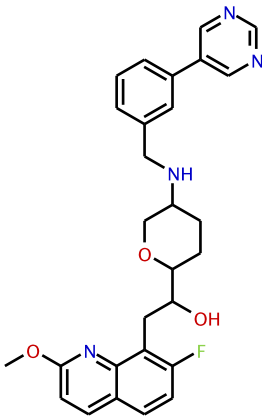
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
505.	 THPYR-06-301	0.9082	0.0418
506.	 THPYR-06-303	0.5055	0.2963
507.	 THPYR-06-304	0.4226	0.3741

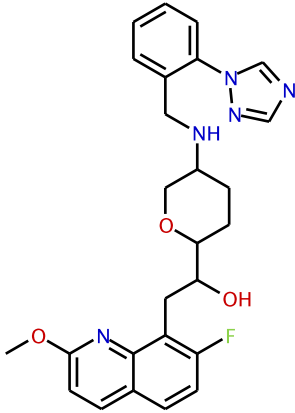
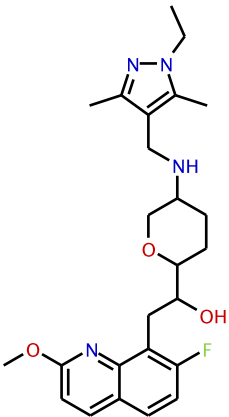
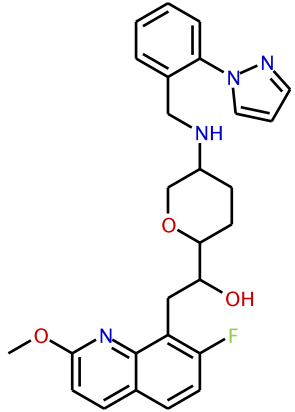
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
508.	 THPYR-06-310	0.3272	0.4852
509.	 THPYR-06-315	0.4861	0.3133
510.	 THPYR-06-325	1.3335	-0.1250

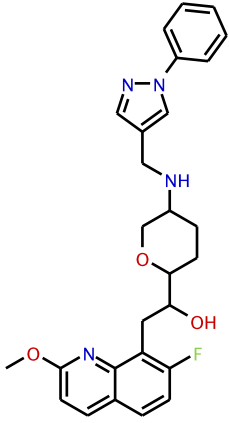
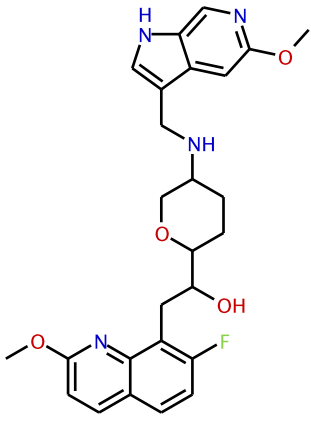
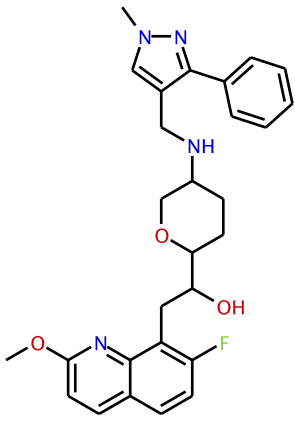
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
511.	 THPYR-06-329	0.6728	0.1721
512.	 THPYR-06-341	0.7506	0.1246
513.	 THPYR-06-342	0.1965	0.7066

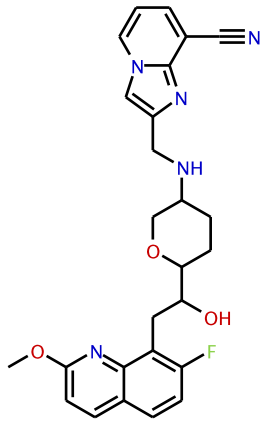
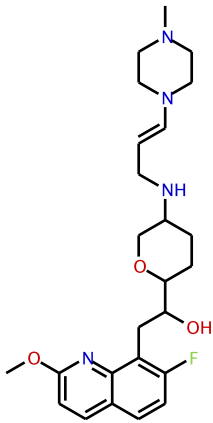
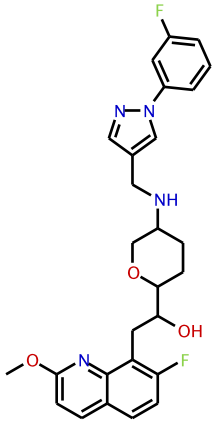
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
514.	 THPYR-06-343	0.1753	0.7562
515.	 THPYR-06-347	0.7042	0.1523
516.	 THPYR-06-348	0.5353	0.2714

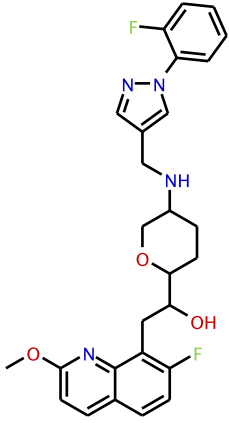
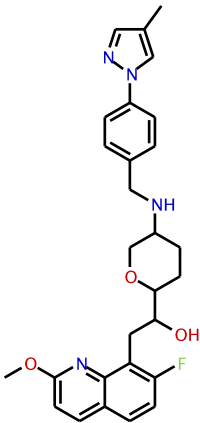
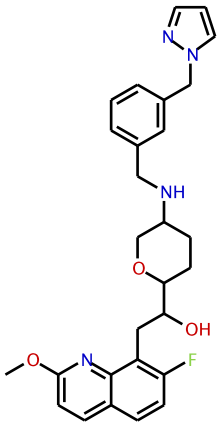
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
517.	 THPYR-06-349	0.6041	0.2189
518.	 THPYR-06-351	0.2730	0.5638
519.	 THPYR-06-352	1.0554	-0.0234

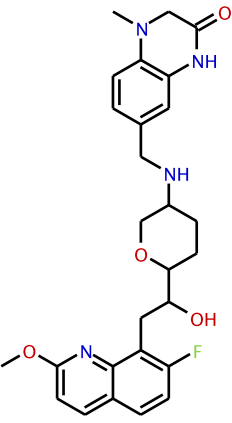
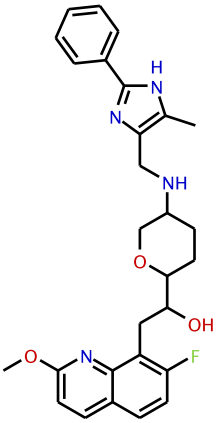
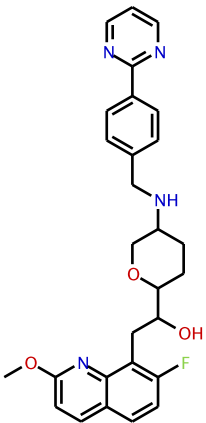
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
520.	 THPYR-06-355	0.2092	0.6794
521.	 THPYR-06-365	1.2871	-0.1096
522.	 THPYR-06-371	0.1604	0.7948

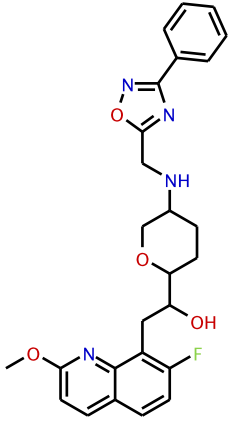
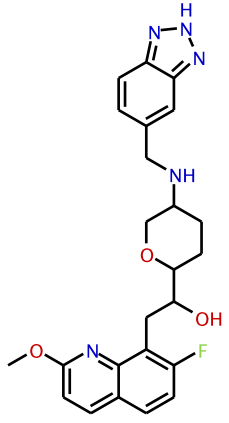
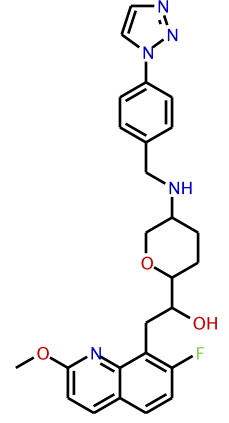
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
523.	 THPYR-06-373	1.5125	-0.1797
524.	 THPYR-06-377	0.6330	0.1986
525.	 THPYR-06-385	1.8863	-0.2756

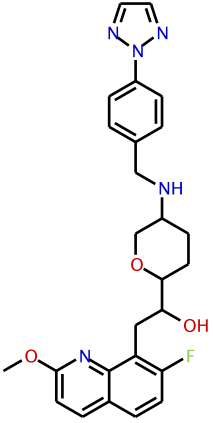
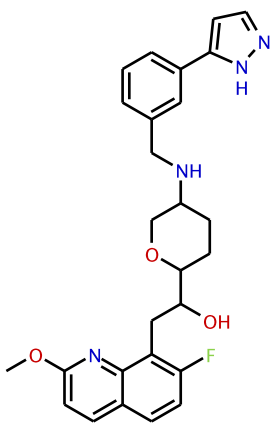
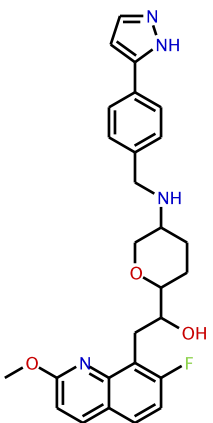
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
526.	 THPYR-06-386	0.5253	0.2796
527.	 THPYR-06-388	1.1841	-0.0734
528.	 THPYR-06-389	1.0529	-0.0224

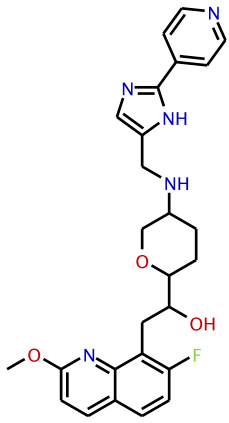
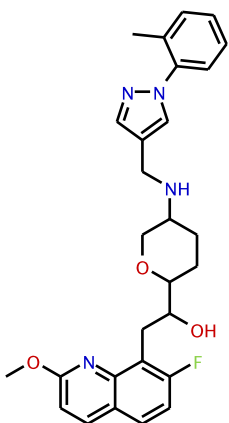
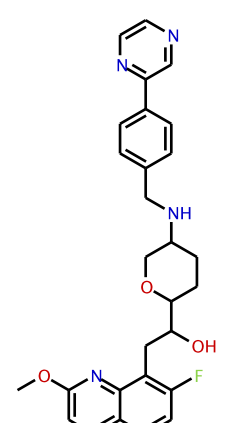
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
529.	 THPYR-06-394	0.1072	0.9698
530.	 THPYR-06-395	1.9275	-0.2850
531.	 THPYR-06-397	0.7887	0.1031

NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
532.	 THPYR-06-399	0.5250	0.2798
533.	 THPYR-06-400	0.4884	0.3112
534.	 THPYR-06-402	1.0252	-0.0108

NBTlcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
535.	 THPYR-06-403	0.2350	0.6289
536.	 THPYR-06-407	0.1632	0.7873
537.	 THPYR-06-411	0.8863	0.0524

NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
538.	 THPYR-06-412	1.7898	-0.2528
539.	 THPYR-06-413	0.9703	0.0131
540.	 THPYR-06-416	0.8549	0.0681

NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
541.	 THPYR-06-417	0.7567	0.1211
542.	 THPYR-06-418	0.6276	0.2023
543.	 THPYR-06-419	1.4090	-0.1489

NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
544.	 THPYR-06-420	0.4956	0.3049
545.	 THPYR-06-426	0.8166	0.0880
546.	 THPYR-06-427	0.9833	0.0073

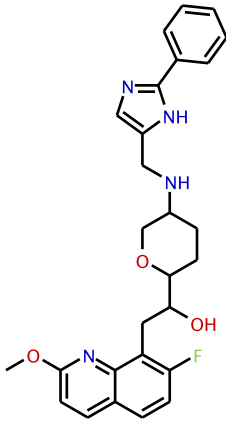
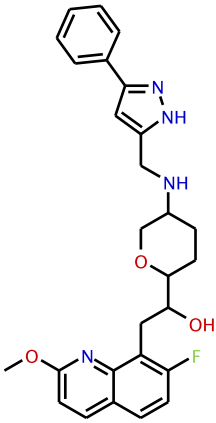
NBTIcombi			
ID	Chemical Structure	IC50pred_combi (uM)	pIC50pred_combi
547.	 THPYR-06-428	0.8033	0.0951
548.	 THPYR-06-430	1.1744	-0.0698

Table S3. 10-fold re-modeling of the predictive NBTIs-based QSAR model utilizing different dataset divisions in a percentage ratio training set (80%) and prediction set (20%), respectively. The selected model in this study is highlighted in yellow together with genetic algorithm (GA) selected molecular descriptors (depicted in bold red). The repeatability of molecular descriptors (d_1 - d_6) among the models 1-10 are represented in bold.

<i>ID</i>	R^2	Q^2_{LOO}	R^2_{EXT}	Q^2_{F1}	Q^2_{F2}	Q^2_{F3}	CCC_{EXT}	$\overline{r^2_m}$	d_1	d_2	d_3	d_4	d_5	d_6
*SM	0.8047	0.7538	0.7657	0.7602	0.7196	0.7356	0.8570	0.6563	J	BEHv3	RDF135u	RDF155m	RDF075p	R3e
1.	0.7948	0.7365	0.7140	0.7075	0.6580	0.6776	0.8313	0.6109	J	BEHv3	RDF135u	RDF155m	RDF080m	R3u
2.	0.7691	0.6932	0.7259	0.7148	0.6859	0.7133	0.8155	0.5513	J	BEHv3	RDF080m	RDF155m	RDF075p	R3e
3.	0.7542	0.6778	0.7860	0.7958	0.7649	0.7345	0.8497	0.6914	J	BEHv3	RDF080m	RDF155m	RDF075u	R3e
4.	0.7502	0.6794	0.8030	0.7572	0.7496	0.7210	0.8679	0.6553	J	BEHv3	RDF135u	RDF155m	RDF080p	R3e
5.	0.7423	0.6531	0.8351	0.7355	0.7294	0.7485	0.8381	0.5080	RDF030m	BEHv3	RDF135u	RDF155m	RDF075p	R3e
6.	0.7343	0.6545	0.7256	0.7221	0.7004	0.7282	0.8095	0.5275	RDF030m	BEHv3	RDF135m	RDF155m	RDF075u	RDF060m
7.	0.7248	0.6499	0.8460	0.7820	0.7747	0.6261	0.8703	0.5710	RDF130u	BEHv3	RDF135u	RDF155m	RDF075p	R3e
8.	0.7221	0.6510	0.7418	0.7199	0.7158	0.6490	0.8573	0.6762	RDF010m	BEHv3	RDF080m	RDF155m	R3e	/
9.	0.7218	0.6399	0.7054	0.7107	0.7047	0.6641	0.8298	0.6557	RDF090m	BEHv3	RDF135u	RDF155m	RDF075u	/
10.	0.7203	0.6373	0.7725	0.7790	0.7534	0.7081	0.8782	0.7225	RDF055m	BEHv3	RDF135u	RDF155m	RDF080m	RDF025p

*SM, selected QSAR model in this study.

Table S4. The results obtained after Level 1 Boolean-based (T/F (true/false)) clustering (Geometry properties assessment) of the combinatorially-generated drug-like NBTI binding poses (NBTI_{combi}) for the constructed *gyrA* mutant models: a) WT, b) D83G_{mod}, c) D83N_{mod}, d) M121K_{mod}, e) D83G+M121K_{mod}, and f) D83N+M121K_{mod}.

a) WT

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	65.0885	F	F	F	F
	2	1.9289	62.5177	F	F	F	F
	3	1.9289	56.8484	F	F	F	F
OXBC_01_371	1	0.5026	72.7755	T	T	F	F
	2	0.5026	66.4893	F	F	F	F
	3	0.5026	62.3658	F	F	F	F
OXBC_01_395	1	1.5707	54.2916	T	T	T	T
	2	1.5707	51.3724	T	T	F	F
	3	1.5707	49.1786	F	F	F	F
OXBC_02_016	1	0.4034	70.553	T	T	F	F
	2	0.4034	69.1542	F	F	F	F
	3	0.4034	67.0055	T	T	T	T
OXBC_02_114	1	0.7967	69.6152	T	T	T	T
	2	0.7967	68.4256	F	F	F	F
	3	0.7967	67.8813	T	T	F	F
OXBC_02_184	1	1.9902	70.3257	T	T	T	T
	2	1.9902	70.0955	T	T	F	F
	3	1.9902	67.4903	F	F	F	F
OXBC_02_252	1	0.2345	67.2107	T	T	F	F
	2	0.2345	65.739	F	F	F	F
	3	0.2345	65.1324	F	F	F	F
OXBC_02_254	1	1.0812	70.3403	F	F	F	F
	2	1.0812	68.3456	T	T	T	T
	3	1.0812	68.1709	T	T	T	T
OXBC_02_284	1	1.5325	69.776	T	T	T	T
	2	1.5325	68.1664	T	T	T	T
	3	1.5325	64.9932	F	F	F	F
OXBC_02_310	1	0.5585	68.619	T	T	F	F
	2	0.5585	67.3146	F	F	F	F
	3	0.5585	63.9703	F	F	F	F
THIND_01_030	1	0.4726	59.1745	F	F	F	F
	2	0.4726	55.1265	F	F	F	F
	3	0.4726	53.6014	F	F	F	F
THIND_01_049	1	1.5639	58.2905	F	F	F	F
	2	1.5639	56.8716	F	F	F	F
	3	1.5639	56.1245	F	F	F	F
THIND_01_116	1	0.5836	63.858	F	F	F	F

	2	0.5836	61.7566	T	T	F	F
	3	0.5836	61.4192	T	T	F	F
THIND_03_044	1	1.8382	57.513	F	F	F	F
	2	1.8382	56.5217	F	F	F	F
	3	1.8382	55.6085	F	F	F	F
THIND_03_048	1	1.0325	61.1653	F	F	F	F
	2	1.0325	55.4862	F	F	F	F
	3	1.0325	53.8902	F	F	F	F
THIND_03_131	1	0.5055	63.9508	F	F	F	F
	2	0.5055	63.9276	F	F	F	F
	3	0.5055	63.1754	T	T	T	T
THIND_03_137	1	0.338	52.4721	F	F	F	F
	2	0.338	51.6757	F	F	F	F
	3	0.338	51.4946	F	F	F	F
THIND_03_260	1	1.8076	52.4061	F	F	F	F
	2	1.8076	52.0185	F	F	F	F
	3	1.8076	50.7699	F	F	F	F
THIND_03_354	1	0.7537	62.4271	F	F	F	F
	2	0.7537	59.8335	F	F	F	F
	3	0.7537	55.0598	F	F	F	F
THIND_03_369	1	1.0195	59.615	F	F	F	F
	2	1.0195	59.2865	F	T	F	F
	3	1.0195	56.3406	F	F	F	F
THIND_03_371	1	1.159	50.9995	F	F	F	F
	2	1.159	49.3986	F	F	F	F
	3	1.159	49.0769	F	F	F	F
THIND_04_028	1	1.6916	66.6679	F	F	F	F
	2	1.6916	63.5421	F	F	F	F
	3	1.6916	60.0176	F	F	F	F
THIND_04_030	1	0.8	64.927	F	F	F	F
	2	0.8	60.8954	F	F	F	F
	3	0.8	59.1194	F	T	F	F
THIND_04_160	1	1.0792	57.4787	F	F	F	F
	2	1.0792	56.2581	F	F	F	F
	3	1.0792	53.988	F	F	F	F
THIND_04_163	1	0.6761	61.5931	F	F	F	F
	2	0.6761	55.1073	F	F	F	F
	3	0.6761	52.8849	F	F	F	F
THIND_04_211	1	0.9772	55.3605	F	F	F	F
	2	0.9772	47.984	F	F	F	F
	3	0.9772	47.5145	F	F	F	F
THIND_04_213	1	0.9486	60.0031	F	F	F	F
	2	0.9486	58.5892	F	F	F	F
	3	0.9486	58.0886	F	F	F	F
THIND_04_260	1	1.075	65.534	F	F	F	F

	2	1.075	61.4946	F	F	F	F
	3	1.075	58.5809	F	F	F	F
THIND_04_350	1	1.8625	74.9343	F	F	F	F
	2	1.8625	66.7419	F	F	F	F
	3	1.8625	63.0187	F	F	F	F
THIND_04_393	1	1.8694	70.6405	T	F	F	F
	2	1.8694	69.2457	T	F	F	F
	3	1.8694	69.1874	F	F	F	F
THIND_04_395	1	1.2691	56.77	F	F	F	F
	2	1.2691	52.2301	F	F	F	F
	3	1.2691	48.7975	F	F	F	F
THIND_05_105	1	1.9838	84.1128	T	F	F	F
	2	1.9838	83.0337	T	T	F	F
	3	1.9838	82.5838	F	F	F	F
THIND_05_113	1	1.3772	77.6361	F	F	F	F
	2	1.3772	75.8804	F	F	F	F
	3	1.3772	73.9466	F	F	F	F
THIND_05_131	1	0.764	81.8856	F	T	F	F
	2	0.764	79.9172	F	T	F	F
	3	0.764	78.7135	F	T	F	F
THIND_05_137	1	0.4292	80.0581	F	F	F	F
	2	0.4292	79.2889	F	F	F	F
	3	0.4292	75.2136	F	F	F	F
THIND_05_260	1	0.9986	73.7349	F	F	F	F
	2	0.9986	73.4849	F	F	F	F
	3	0.9986	73.3969	F	F	F	F
THIND_05_354	1	1.0414	83.0647	F	F	F	F
	2	1.0414	78.8297	F	F	F	F
	3	1.0414	77.6804	F	F	F	F
THIND_05_355	1	1.9507	83.6721	F	F	F	F
	2	1.9507	82.1843	F	F	F	F
	3	1.9507	77.8719	T	F	F	F
THIND_05_369	1	1.358	95.5047	F	F	F	F
	2	1.358	86.5583	F	T	F	F
	3	1.358	84.3718	T	T	F	F
THIND_05_371	1	1.6372	79.2121	F	F	F	F
	2	1.6372	78.9349	F	F	F	F
	3	1.6372	76.9942	F	F	F	F
THIND_06_030	1	1.6626	77.8925	T	F	F	F
	2	1.6626	76.1019	T	T	F	F
	3	1.6626	71.1174	F	F	F	F
THIND_06_031	1	0.79	74.8752	F	F	F	F
	2	0.79	73.1821	F	F	F	F
	3	0.79	70.9544	F	F	F	F
THIND_06_047	1	1.3119	78.8812	F	F	F	F

	2	1.3119	78.5851	F	F	F	F
	3	1.3119	74.8942	F	F	F	F
THIND_06_049	1	0.4853	72.5538	F	F	F	F
	2	0.4853	72.0617	F	F	F	F
	3	0.4853	71.7595	F	F	F	F
THIND_06_050	1	0.9164	81.27	F	F	F	F
	2	0.9164	80.1624	F	F	F	F
	3	0.9164	79.2386	F	F	F	F
THIND_06_142	1	0.9616	76.271	F	F	F	F
	2	0.9616	74.9124	F	F	F	F
	3	0.9616	73.4174	F	F	F	F
THIND_06_187	1	0.5973	71.9913	F	F	F	F
	2	0.5973	69.859	F	F	F	F
	3	0.5973	68.5753	F	F	F	F
THIND_06_211	1	0.2488	77.9383	F	F	F	F
	2	0.2488	76.465	F	F	F	F
	3	0.2488	75.5293	T	F	F	F
THIND_06_247	1	0.9068	74.267	F	F	F	F
	2	0.9068	67.5906	F	F	F	F
	3	0.9068	66.9762	F	F	F	F
THIND_06_382	1	0.7084	73.1268	F	F	F	F
	2	0.7084	68.6066	F	F	F	F
	3	0.7084	66.1393	F	F	F	F
THIND_07_005	1	0.7485	48.3929	F	F	F	F
	2	0.7485	46.632	F	F	F	F
	3	0.7485	46.205	F	F	F	F
THIND_07_023	1	1.2682	60.4092	T	T	F	F
	2	1.2682	57.5036	T	T	T	T
	3	1.2682	56.515	T	T	F	F
THIND_07_048	1	1.8647	63.0914	F	F	F	F
	2	1.8647	58.2179	F	F	F	F
	3	1.8647	57.9405	F	F	F	F
THIND_07_078	1	1.7713	61.5036	F	F	F	F
	2	1.7713	58.1479	F	F	F	F
	3	1.7713	55.9524	F	F	F	F
THIND_07_108	1	1.4983	63.0892	F	F	F	F
	2	1.4983	56.7289	T	F	F	F
	3	1.4983	55.6024	T	F	F	F
THIND_07_109	1	0.8584	56.3675	F	F	F	F
	2	0.8584	53.4302	F	F	F	F
	3	0.8584	51.0883	F	F	F	F
THIND_07_131	1	0.8545	59.8847	F	F	F	F
	2	0.8545	59.5884	F	T	F	F
	3	0.8545	56.304	F	F	F	F
THIND_07_137	1	1.5188	54.9098	F	F	F	F

	2	1.5188	53.9315	F	F	F	F
	3	1.5188	51.133	F	F	F	F
THIND_07_140	1	1.0385	62.0701	F	F	F	F
	2	1.0385	54.2559	F	F	F	F
	3	1.0385	50.3969	F	F	F	F
THIND_07_171	1	0.9867	56.969	F	F	F	F
	2	0.9867	48.2186	F	F	F	F
	3	0.9867	46.8444	T	F	F	F
THIND_07_172	1	0.6561	48.9973	F	F	F	F
	2	0.6561	48.2367	F	F	F	F
	3	0.6561	46.5475	F	F	F	F
THIND_07_176	1	0.7963	57.8762	T	T	T	T
	2	0.7963	57.7376	F	F	F	F
	3	0.7963	56.0953	T	T	F	F
THIND_07_192	1	1.6769	59.6934	F	F	F	F
	2	1.6769	56.4295	F	F	F	F
	3	1.6769	56.1806	F	F	F	F
THIND_07_354	1	0.9147	66.1933	F	F	F	F
	2	0.9147	58.3178	F	F	F	F
	3	0.9147	56.0464	F	F	F	F
THIND_07_387	1	0.7932	54.2128	F	F	F	F
	2	0.7932	52.6578	F	F	F	F
	3	0.7932	50.0498	F	F	F	F
THIND_08_044	1	1.4431	62.6111	F	F	F	F
	2	1.4431	60.7414	F	F	F	F
	3	1.4431	56.1853	F	F	F	F
THIND_08_048	1	0.9532	61.2548	F	F	F	F
	2	0.9532	59.7052	F	F	F	F
	3	0.9532	55.3084	F	F	F	F
THIND_08_113	1	1.9244	52.0002	T	T	T	T
	2	1.9244	51.5917	T	T	F	F
	3	1.9244	48.8176	F	F	F	F
THIND_08_131	1	1.3065	62.5006	F	T	F	F
	2	1.3065	61.0546	F	F	F	F
	3	1.3065	60.9376	F	T	F	F
THIND_08_137	1	0.3863	58.5621	F	F	F	F
	2	0.3863	56.4145	F	F	F	F
	3	0.3863	48.582	F	F	F	F
THIND_08_279	1	1.953	64.4737	F	F	F	F
	2	1.953	63.0227	F	F	F	F
	3	1.953	62.0039	F	F	F	F
THIND_08_354	1	1.3533	62.8675	F	F	F	F
	2	1.3533	62.1997	F	F	F	F
	3	1.3533	58.2273	F	F	F	F
THIND_09_004	1	1.186	76.7455	F	F	F	F

	2	1.186	75.7745	F	F	F	F
	3	1.186	75.6241	F	F	F	F
THIND_09_005	1	0.3548	69.4921	F	T	T	F
	2	0.3548	65.651	F	T	F	F
	3	0.3548	64.8983	F	F	F	F
THIND_09_023	1	0.9861	82.1925	F	F	F	F
	2	0.9861	79.6269	T	T	F	F
	3	0.9861	79.5831	F	F	F	F
THIND_09_055	1	1.8184	77.3541	F	F	F	F
	2	1.8184	56.7515	F	F	F	F
	3	1.8184	54.1871	F	F	F	F
THIND_09_057	1	0.3286	78.6678	F	F	F	F
	2	0.3286	76.6475	F	F	F	F
	3	0.3286	75.0969	F	F	F	F
THIND_09_058	1	0.3156	80.4867	T	F	F	F
	2	0.3156	72.1286	F	F	F	F
	3	0.3156	72.0731	F	F	F	F
THIND_09_060	1	1.7583	75.1861	F	F	F	F
	2	1.7583	75.0886	F	F	F	F
	3	1.7583	71.4836	F	F	F	F
THIND_09_065	1	1.7434	61.8171	F	F	F	F
	2	1.7434	59.1311	F	F	F	F
	3	1.7434	57.6851	F	F	F	F
THIND_09_090	1	1.1527	79.098	T	T	F	F
	2	1.1527	78.6802	T	T	F	F
	3	1.1527	73.1826	T	T	F	F
THIND_09_108	1	0.9475	82.3415	T	T	F	F
	2	0.9475	78.6335	T	F	F	F
	3	0.9475	74.3776	T	F	F	F
THIND_09_109	1	0.4705	72.4491	F	F	F	F
	2	0.4705	70.09	F	F	F	F
	3	0.4705	68.1044	F	F	F	F
THIND_09_113	1	0.9152	73.9114	F	F	F	F
	2	0.9152	72.3528	F	F	F	F
	3	0.9152	70.3966	F	F	F	F
THIND_09_115	1	1.4743	81.0736	T	F	F	F
	2	1.4743	76.7242	T	F	F	F
	3	1.4743	76.575	T	F	F	F
THIND_09_117	1	1.1277	81.3033	T	F	F	F
	2	1.1277	79.2259	T	F	F	F
	3	1.1277	78.9917	T	F	F	F
THIND_09_131	1	1.0524	81.2194	F	F	F	F
	2	1.0524	79.7226	F	T	F	F
	3	1.0524	77.4269	F	F	F	F
THIND_09_137	1	0.4097	75.7691	F	F	F	F

	2	0.4097	74.2162	F	F	F	F
	3	0.4097	73.2487	F	F	F	F
THIND_09_161	1	0.7962	69.8165	F	F	F	F
	2	0.7962	62.5277	F	T	F	F
	3	0.7962	58.054	F	F	F	F
THIND_09_163	1	0.8537	63.763	F	F	F	F
	2	0.8537	63.1032	F	F	F	F
	3	0.8537	63.0412	F	F	F	F
THIND_09_167	1	1.9629	66.0452	F	F	F	F
	2	1.9629	64.7217	F	F	F	F
	3	1.9629	63.3428	F	F	F	F
THIND_09_171	1	1.2508	75.7519	F	F	F	F
	2	1.2508	65.3506	F	F	F	F
	3	1.2508	63.1199	F	F	F	F
THIND_09_172	1	0.8551	73.1421	F	F	F	F
	2	0.8551	65.7544	F	F	F	F
	3	0.8551	62.7289	F	F	F	F
THIND_09_173	1	1.5188	79.6889	F	F	F	F
	2	1.5188	66.0476	F	F	F	F
	3	1.5188	64.4773	T	F	F	F
THIND_09_176	1	1.1327	83.9019	F	T	F	F
	2	1.1327	76.1588	F	T	F	F
	3	1.1327	75.1551	F	F	F	F
THIND_09_179	1	1.3999	86.21	T	F	F	F
	2	1.3999	82.4136	T	T	T	T
	3	1.3999	82.3294	F	F	F	F
THIND_09_186	1	1.7931	87.3747	F	F	F	F
	2	1.7931	83.6186	F	F	F	F
	3	1.7931	77.8864	F	F	F	F
THIND_09_260	1	0.5595	74.4094	F	F	F	F
	2	0.5595	73.3346	F	F	F	F
	3	0.5595	73.2053	F	F	F	F
THIND_09_354	1	1.2365	80.5765	F	F	F	F
	2	1.2365	75.7989	F	F	F	F
	3	1.2365	73.0769	F	F	F	F
THIND_09_369	1	1.7254	88.2124	F	F	F	F
	2	1.7254	81.3833	T	T	F	F
	3	1.7254	78.9673	F	F	F	F
THIND_09_371	1	1.2996	78.4287	F	F	F	F
	2	1.2996	76.8316	F	F	F	F
	3	1.2996	76.4059	F	F	F	F
THIND_09_387	1	0.232	75.7822	F	F	F	F
	2	0.232	74.1507	F	F	F	F
	3	0.232	70.6852	F	F	F	F
THIND_10_002	1	1.4401	56.3428	F	F	F	F

	2	1.4401	54.6176	F	F	F	F
	3	1.4401	54.0999	F	F	F	F
THIND_10_044	1	1.6619	61.3376	F	F	F	F
	2	1.6619	59.3854	F	F	F	F
	3	1.6619	59.0555	F	F	F	F
THIND_10_048	1	0.8648	65.5505	F	F	F	F
	2	0.8648	59.6373	F	F	F	F
	3	0.8648	58.5936	F	F	F	F
THIND_10_113	1	1.4015	62.4795	F	F	F	F
	2	1.4015	56.5223	F	F	F	F
	3	1.4015	44.2358	F	F	F	F
THIND_10_131	1	0.2951	60.8432	F	F	F	F
	2	0.2951	58.2591	F	F	F	F
	3	0.2951	57.6393	F	T	F	F
THIND_10_137	1	0.4936	61.272	F	F	F	F
	2	0.4936	55.0969	F	F	F	F
	3	0.4936	51.6911	F	F	F	F
THIND_10_157	1	1.8197	58.5736	F	F	F	F
	2	1.8197	56.1738	F	F	F	F
	3	1.8197	54.6497	F	F	F	F
THIND_10_179	1	1.6084	64.5543	F	F	F	F
	2	1.6084	63.2873	F	F	F	F
	3	1.6084	59.2923	F	F	F	F
THIND_10_260	1	1.2797	58.8683	F	F	F	F
	2	1.2797	58.5094	F	F	F	F
	3	1.2797	51.5111	F	F	F	F
THIND_10_350	1	1.6746	64.7782	F	F	F	F
	2	1.6746	57.6291	F	F	F	F
	3	1.6746	52.5683	F	F	F	F
THIND_10_354	1	0.288	68.9465	F	F	F	F
	2	0.288	63.5353	F	F	F	F
	3	0.288	62.1329	F	F	F	F
THIND_10_355	1	1.3804	57.6412	F	F	F	F
	2	1.3804	56.2784	F	F	F	F
	3	1.3804	55.739	F	F	F	F
THIND_10_369	1	0.7827	64.6718	F	F	F	F
	2	0.7827	64.4598	F	T	F	F
	3	0.7827	62.1248	F	F	F	F
THIND_10_371	1	1.561	56.5958	F	F	F	F
	2	1.561	55.1672	F	F	F	F
	3	1.561	54.5679	F	F	F	F
THIND_10_391	1	1.5599	56.4673	F	F	F	F
	2	1.5599	54.29	F	F	F	F
	3	1.5599	53.187	F	F	F	F
THIND_12_019	1	1.8599	68.666	T	T	F	F

	2	1.8599	64.4094	T	T	F	F
	3	1.8599	62.4347	F	F	F	F
THIND_12_020	1	1.8985	77.8062	F	F	F	F
	2	1.8985	77.6538	T	T	F	F
	3	1.8985	73.9693	T	T	F	F
THIND_12_074	1	1.8854	86.1708	F	F	F	F
	2	1.8854	85.9881	T	T	F	F
	3	1.8854	84.1549	F	F	F	F
THIND_12_076	1	0.3049	86.7008	T	F	F	F
	2	0.3049	85.2829	F	F	F	F
	3	0.3049	83.1005	F	F	F	F
THIND_12_093	1	1.2732	86.6628	F	F	F	F
	2	1.2732	83.0535	F	F	F	F
	3	1.2732	82.8174	F	F	F	F
THIND_12_107	1	0.6667	74.1456	F	F	F	F
	2	0.6667	73.176	T	T	F	F
	3	0.6667	70.6862	T	T	F	F
THIND_12_112	1	0.148	81.5584	T	T	F	F
	2	0.148	80.6503	T	T	F	F
	3	0.148	76.8307	F	F	F	F
THIND_12_144	1	0.3252	78.6689	T	T	F	F
	2	0.3252	75.3708	F	F	F	F
	3	0.3252	74.0542	F	F	F	F
THIND_12_178	1	1.7482	75.1477	F	F	F	F
	2	1.7482	74.7669	T	T	F	F
	3	1.7482	73.6044	T	T	F	F
THIND_12_182	1	0.7729	87.8316	F	F	F	F
	2	0.7729	87.6264	F	F	F	F
	3	0.7729	86.1278	F	F	F	F
THIND_12_246	1	0.9232	85.701	F	F	F	F
	2	0.9232	85.0503	F	F	F	F
	3	0.9232	84.7495	F	F	F	F
THIND_13_019	1	0.9554	61.2091	F	F	F	F
	2	0.9554	58.9722	F	F	F	F
	3	0.9554	58.4429	F	F	F	F
THIND_13_044	1	0.5463	65.7048	F	F	F	F
	2	0.5463	64.1081	F	F	F	F
	3	0.5463	63.2618	F	F	F	F
THIND_13_080	1	1.7318	73.6726	F	F	F	F
	2	1.7318	69.114	F	F	F	F
	3	1.7318	67.8337	F	F	F	F
THIND_13_106	1	1.336	79.1329	F	F	F	F
	2	1.336	76.8011	F	F	F	F
	3	1.336	73.1108	F	F	F	F
THIND_13_145	1	1.7239	72.0711	F	F	F	F

	2	1.7239	71.8835	F	F	F	F
	3	1.7239	69.0186	F	F	F	F
THIND_13_195	1	0.472	68.5019	F	F	F	F
	2	0.472	66.229	F	F	F	F
	3	0.472	65.758	F	F	F	F
THIND_13_246	1	0.2419	77.029	F	F	F	F
	2	0.2419	76.0482	F	F	F	F
	3	0.2419	75.3761	F	F	F	F
THIND_13_247	1	0.0732	74.1839	F	F	F	F
	2	0.0732	73.1721	F	F	F	F
	3	0.0732	72.4135	T	T	F	F
THIND_14_012	1	1.1405	58.3838	F	F	F	F
	2	1.1405	58.0471	F	F	F	F
	3	1.1405	56.1952	F	F	F	F
THIND_14_078	1	0.1947	66.8866	F	F	F	F
	2	0.1947	64.6864	T	T	F	F
	3	0.1947	63.1873	F	F	F	F
THIND_14_120	1	0.4672	59.0108	T	F	F	F
	2	0.4672	58.4251	T	T	F	F
	3	0.4672	55.3518	F	T	F	F
THIND_14_182	1	1.3415	66.8833	T	T	T	T
	2	1.3415	59.8523	F	F	F	F
	3	1.3415	58.3971	F	F	F	F
THIND_14_196	1	1.9829	55.6715	F	F	F	F
	2	1.9829	53.2033	F	F	F	F
	3	1.9829	52.9863	F	F	F	F
THIND_15_004	1	0.5482	60.665	F	F	F	F
	2	0.5482	56.2125	F	F	F	F
	3	0.5482	54.4036	T	F	F	F
THIND_15_021	1	1.7239	56.584	T	T	F	F
	2	1.7239	52.3935	T	F	F	F
	3	1.7239	51.5592	T	T	F	F
THIND_15_028	1	0.5981	56.4582	T	T	F	F
	2	0.5981	54.9799	F	T	F	F
	3	0.5981	54.5282	T	F	F	F
THIND_15_030	1	0.5045	53.5824	T	T	T	T
	2	0.5045	53.4169	T	T	F	F
	3	0.5045	52.7992	T	T	F	F
THIND_15_050	1	1.2081	50.3029	F	F	F	F
	2	1.2081	49.2791	T	F	F	F
	3	1.2081	48.5174	T	T	F	F
THIND_15_105	1	0.9076	51.3004	F	F	F	F
	2	0.9076	50.9494	F	F	F	F
	3	0.9076	50.0552	T	T	F	F
THIND_15_122	1	1.4161	56.1154	T	T	F	F

	2	1.4161	55.9937	T	F	F	F
	3	1.4161	53.5512	T	T	T	T
THIND_15_133	1	0.826	54.7553	F	F	F	F
	2	0.826	51.2502	T	T	F	F
	3	0.826	49.3208	T	T	F	F
THIND_15_178	1	0.719	52.3818	T	T	F	F
	2	0.719	50.9993	T	T	F	F
	3	0.719	50.8531	F	F	F	F
THIND_15_196	1	1.6177	64.7212	F	F	F	F
	2	1.6177	61.3733	F	F	F	F
	3	1.6177	59.362	F	F	F	F
THIND_15_217	1	1.6619	52.5815	T	T	F	F
	2	1.6619	52.2132	F	F	F	F
	3	1.6619	50.1669	F	F	F	F
THIND_15_218	1	1.0493	64.794	F	F	F	F
	2	1.0493	60.2951	F	T	F	F
	3	1.0493	54.2374	T	F	F	F
THIND_15_245	1	1.7187	63.0892	F	F	F	F
	2	1.7187	58.7482	F	F	F	F
	3	1.7187	57.1043	F	F	F	F
THIND_16_078	1	0.6399	81.7723	F	F	F	F
	2	0.6399	81.7466	F	F	F	F
	3	0.6399	81.0684	F	F	F	F
THIND_16_112	1	0.8831	77.1041	T	T	F	F
	2	0.8831	76.4019	T	T	T	T
	3	0.8831	74.0181	T	T	F	F
THIND_16_118	1	0.9594	88.1196	F	F	F	F
	2	0.9594	86.2749	F	F	F	F
	3	0.9594	80.3999	F	F	F	F
THIND_16_120	1	1.731	83.1936	T	F	F	F
	2	1.731	82.2752	F	F	F	F
	3	1.731	81.5805	T	F	F	F
THIND_16_124	1	0.6086	76.2219	T	T	F	F
	2	0.6086	75.7891	T	T	T	T
	3	0.6086	72.5615	T	F	F	F
THIND_16_144	1	1.5664	76.2208	T	T	F	F
	2	1.5664	74.863	F	F	F	F
	3	1.5664	73.7234	F	F	F	F
THIND_16_246	1	1.8256	82.195	F	F	F	F
	2	1.8256	81.4511	F	F	F	F
	3	1.8256	78.1114	F	F	F	F
THIND_16_247	1	0.4882	79.3087	F	F	F	F
	2	0.4882	77.5148	T	F	F	F
	3	0.4882	74.2268	F	F	F	F
THPYR_01_017	1	1.5467	65.1332	F	F	F	F

	2	1.5467	64.8226	F	F	F	F
	3	1.5467	64.5308	F	F	F	F
THPYR_01_037	1	1.2882	77.9391	F	F	F	F
	2	1.2882	72.7176	F	F	F	F
	3	1.2882	70.6319	F	F	F	F
THPYR_01_038	1	1.4142	74.1557	F	F	F	F
	2	1.4142	71.4216	F	F	F	F
	3	1.4142	69.531	F	F	F	F
THPYR_01_082	1	1.6144	76.7019	F	F	F	F
	2	1.6144	72.6577	F	F	F	F
	3	1.6144	72.3093	F	F	F	F
THPYR_01_114	1	1.8484	77.8306	F	F	F	F
	2	1.8484	75.4047	F	F	F	F
	3	1.8484	67.5369	F	F	F	F
THPYR_01_185	1	1.6368	76.8942	T	T	F	F
	2	1.6368	76.5895	T	T	T	T
	3	1.6368	72.8071	T	T	F	F
THPYR_01_221	1	1.1416	76.2756	F	F	F	F
	2	1.1416	76.0592	F	F	F	F
	3	1.1416	75.7015	F	F	F	F
THPYR_01_226	1	1.2735	73.4514	T	T	F	F
	2	1.2735	71.0334	F	F	F	F
	3	1.2735	70.1617	F	F	F	F
THPYR_01_227	1	0.5581	73.8314	F	F	F	F
	2	0.5581	73.4509	F	F	F	F
	3	0.5581	70.2904	F	F	F	F
THPYR_01_233	1	0.5864	73.4474	F	F	F	F
	2	0.5864	72.7368	F	F	F	F
	3	0.5864	71.8549	F	F	F	F
THPYR_01_276	1	1.7775	71.8517	F	F	F	F
	2	1.7775	70.4364	F	F	F	F
	3	1.7775	70.1515	F	F	F	F
THPYR_01_303	1	1.4801	76.9151	F	F	F	F
	2	1.4801	73.3275	T	T	F	F
	3	1.4801	73.1728	F	F	F	F
THPYR_01_315	1	1.6649	74.6455	F	F	F	F
	2	1.6649	74.58	F	F	F	F
	3	1.6649	73.4827	F	F	F	F
THPYR_01_329	1	0.6343	78.8473	T	T	F	F
	2	0.6343	76.625	T	T	T	T
	3	0.6343	70.4132	F	F	F	F
THPYR_01_378	1	1.9059	73.6732	F	F	F	F
	2	1.9059	69.9411	F	F	F	F
	3	1.9059	68.9762	F	F	F	F
THPYR_01_386	1	1.0617	75.8262	T	T	F	F

	2	1.0617	74.3218	F	F	F	F
	3	1.0617	74.0579	F	F	F	F
THPYR_01_416	1	1.627	75.095	F	F	F	F
	2	1.627	72.1986	F	F	F	F
	3	1.627	70.3602	F	F	F	F
THPYR_01_417	1	1.3311	79.1755	F	F	F	F
	2	1.3311	72.6751	F	F	F	F
	3	1.3311	72.3315	F	F	F	F
THPYR_01_420	1	0.6811	84.7284	T	T	T	T
	2	0.6811	80.1805	T	T	T	T
	3	0.6811	78.2574	F	F	F	F
THPYR_01_428	1	1.1342	86.3995	T	T	F	F
	2	1.1342	77.4097	F	F	F	F
	3	1.1342	74.4772	T	T	F	F
THPYR_01_429	1	1.5104	84.319	F	F	F	F
	2	1.5104	79.7545	F	F	F	F
	3	1.5104	79.6637	F	F	F	F
THPYR_02_002	1	0.8239	81.7449	T	T	T	T
	2	0.8239	79.6841	F	F	F	F
	3	0.8239	75.1274	F	F	F	F
THPYR_02_009	1	1.2882	80.0888	T	T	T	T
	2	1.2882	79.9138	F	F	F	F
	3	1.2882	76.776	T	T	F	F
THPYR_02_037	1	1.9516	74.6596	F	F	F	F
	2	1.9516	70.6398	F	F	F	F
	3	1.9516	69.3278	F	F	F	F
THPYR_02_049	1	0.3883	72.8426	F	F	F	F
	2	0.3883	68.9953	F	F	F	F
	3	0.3883	67.2508	F	F	F	F
THPYR_02_060	1	0.4382	78.2523	T	T	T	T
	2	0.4382	72.7051	F	F	F	F
	3	0.4382	71.856	T	T	F	F
THPYR_02_125	1	0.5369	74.689	F	F	F	F
	2	0.5369	72.0822	F	F	F	F
	3	0.5369	68.7855	T	T	F	F
THPYR_02_148	1	1.1698	88.0801	T	T	T	T
	2	1.1698	82.5201	T	T	T	T
	3	1.1698	77.5179	F	F	F	F
THPYR_02_157	1	0.6642	79.782	F	F	F	F
	2	0.6642	79.3607	F	F	F	F
	3	0.6642	77.8265	F	F	F	F
THPYR_02_187	1	0.5665	65.3194	F	F	F	F
	2	0.5665	64.2532	F	F	F	F
	3	0.5665	64.2289	F	F	F	F
THPYR_02_188	1	1.3583	69.7822	F	F	F	F

	2	1.3583	69.5813	F	F	F	F
	3	1.3583	63.4685	F	F	F	F
THPYR_02_219	1	1.8005	72.1114	F	F	F	F
	2	1.8005	71.2148	T	T	T	T
	3	1.8005	69.9251	T	T	F	F
THPYR_02_221	1	1.6661	77.7452	F	F	F	F
	2	1.6661	74.197	F	F	F	F
	3	1.6661	73.7214	F	F	F	F
THPYR_02_226	1	1.7632	74.5243	F	F	F	F
	2	1.7632	72.3787	F	F	F	F
	3	1.7632	70.4627	F	F	F	F
THPYR_02_233	1	1.6406	75.1655	F	F	F	F
	2	1.6406	73.3054	F	F	F	F
	3	1.6406	72.6991	F	F	F	F
THPYR_02_279	1	1.5563	83.975	F	F	F	F
	2	1.5563	75.5953	F	F	F	F
	3	1.5563	73.9447	F	F	F	F
THPYR_02_316	1	0.4992	69.6805	F	F	F	F
	2	0.4992	68.3345	T	F	F	F
	3	0.4992	65.1614	F	F	F	F
THPYR_02_329	1	1.842	76.0206	T	T	F	F
	2	1.842	70.7367	F	F	F	F
	3	1.842	69.3532	F	F	F	F
THPYR_02_342	1	1.4911	74.3027	F	F	F	F
	2	1.4911	69.9276	F	F	F	F
	3	1.4911	65.9662	F	F	F	F
THPYR_02_343	1	0.5391	71.7141	F	F	F	F
	2	0.5391	67.62	F	F	F	F
	3	0.5391	67.2241	F	F	F	F
THPYR_02_349	1	1.6237	82.4086	F	F	F	F
	2	1.6237	80.4657	F	F	F	F
	3	1.6237	72.038	F	T	F	F
THPYR_02_351	1	0.7554	69.623	F	F	F	F
	2	0.7554	68.8449	T	F	F	F
	3	0.7554	68.1875	F	F	F	F
THPYR_02_355	1	1.4371	78.7355	T	T	F	F
	2	1.4371	75.547	F	F	F	F
	3	1.4371	73.7919	F	F	F	F
THPYR_02_371	1	1.6248	76.4927	F	F	F	F
	2	1.6248	71.955	F	F	F	F
	3	1.6248	70.4925	F	F	F	F
THPYR_02_389	1	0.7659	71.2712	T	T	F	F
	2	0.7659	70.7559	T	T	F	F
	3	0.7659	68.4628	F	F	F	F
THPYR_02_400	1	1.9629	70.3797	F	F	F	F

	2	1.9629	69.0085	F	F	F	F
	3	1.9629	66.4287	F	F	F	F
THPYR_02_407	1	0.7954	70.3512	F	F	F	F
	2	0.7954	68.2996	F	F	F	F
	3	0.7954	68.0612	F	F	F	F
THPYR_02_420	1	1.3684	85.3473	T	T	F	F
	2	1.3684	79.1898	T	T	F	F
	3	1.3684	78.6335	T	T	T	T
THPYR_02_426	1	1.3737	77.7499	F	F	F	F
	2	1.3737	73.938	F	F	F	F
	3	1.3737	72.3637	F	F	F	F
THPYR_03_002	1	0.6013	80.5117	F	F	F	F
	2	0.6013	77.1796	F	F	F	F
	3	0.6013	75.9075	F	F	F	F
THPYR_03_009	1	1.3384	92.1298	T	T	F	F
	2	1.3384	82.5421	T	T	F	F
	3	1.3384	82.217	T	T	T	T
THPYR_03_029	1	1.0563	76.817	T	T	T	T
	2	1.0563	75.2188	F	F	F	F
	3	1.0563	73.6503	F	F	F	F
THPYR_03_034	1	0.5625	63.3469	F	F	F	F
	2	0.5625	60.1673	F	F	F	F
	3	0.5625	57.0459	F	F	F	F
THPYR_03_049	1	0.1932	78.1381	F	F	F	F
	2	0.1932	77.7313	F	F	F	F
	3	0.1932	76.3462	F	F	F	F
THPYR_03_050	1	1.5696	81.868	T	T	F	F
	2	1.5696	81.427	F	F	F	F
	3	1.5696	78.1837	F	F	F	F
THPYR_03_051	1	1.9449	75.1675	F	F	F	F
	2	1.9449	74.8706	F	F	F	F
	3	1.9449	74.1984	F	F	F	F
THPYR_03_060	1	0.3237	75.2615	F	F	F	F
	2	0.3237	73.509	F	F	F	F
	3	0.3237	72.0377	F	F	F	F
THPYR_03_072	1	1.0259	75.6103	F	F	F	F
	2	1.0259	74.808	F	F	F	F
	3	1.0259	69.7982	F	F	F	F
THPYR_03_076	1	1.9191	79.1692	T	T	F	F
	2	1.9191	77.5628	T	T	T	T
	3	1.9191	76.0738	F	F	F	F
THPYR_03_081	1	0.9929	85.7147	T	T	T	T
	2	0.9929	80.5048	T	T	F	F
	3	0.9929	77.874	F	F	F	F
THPYR_03_082	1	0.5311	86.307	T	T	F	F

	2	0.5311	85.0405	T	T	T	T
	3	0.5311	77.145	T	T	F	F
THPYR_03_083	1	0.83	77.7423	F	F	F	F
	2	0.83	75.3589	F	F	F	F
	3	0.83	74.9124	F	F	F	F
THPYR_03_114	1	1.8446	79.0007	F	F	F	F
	2	1.8446	77.3327	T	T	T	T
	3	1.8446	77.0197	T	T	F	F
THPYR_03_125	1	0.4562	76.9976	F	F	F	F
	2	0.4562	74.4261	F	F	F	F
	3	0.4562	72.9834	F	F	F	F
THPYR_03_148	1	0.3077	72.3461	F	F	F	F
	2	0.3077	71.6427	F	F	F	F
	3	0.3077	70.7625	F	F	F	F
THPYR_03_156	1	1.8552	82.5627	T	T	T	T
	2	1.8552	81.4113	F	T	F	F
	3	1.8552	77.9777	F	T	F	F
THPYR_03_157	1	0.4815	81.5088	F	F	F	F
	2	0.4815	77.5896	F	F	F	F
	3	0.4815	76.7751	F	F	F	F
THPYR_03_178	1	0.7602	12.5252	F	F	F	F
	2	0.7602	8.6501	F	F	F	F
	3	0.7602	4.8492	F	F	F	F
THPYR_03_185	1	1.9329	79.9078	F	F	F	F
	2	1.9329	78.4903	F	F	F	F
	3	1.9329	76.3744	F	F	F	F
THPYR_03_187	1	0.2174	68.7092	F	F	F	F
	2	0.2174	68.1174	F	F	F	F
	3	0.2174	67.6072	F	F	F	F
THPYR_03_221	1	1.0799	80.374	F	F	F	F
	2	1.0799	77.308	T	T	F	F
	3	1.0799	76.9573	F	F	F	F
THPYR_03_222	1	1.9783	77.1357	T	T	T	T
	2	1.9783	75.33	T	T	T	T
	3	1.9783	74.3394	F	F	F	F
THPYR_03_223	1	1.5314	75.2711	T	F	T	F
	2	1.5314	75.2473	T	T	T	T
	3	1.5314	74.994	F	F	F	F
THPYR_03_226	1	1.0787	72.9956	F	F	F	F
	2	1.0787	69.0022	F	F	F	F
	3	1.0787	68.9454	F	F	F	F
THPYR_03_227	1	1.6908	77.1145	T	T	F	F
	2	1.6908	70.641	F	F	F	F
	3	1.6908	69.527	F	T	F	F
THPYR_03_233	1	1.4666	78.5805	F	F	F	F

	2	1.4666	77.7864	F	F	F	F
	3	1.4666	77.1129	F	F	F	F
THPYR_03_276	1	1.5413	75.7163	F	F	F	F
	2	1.5413	71.8864	F	F	F	F
	3	1.5413	66.3708	F	F	F	F
THPYR_03_316	1	0.4337	77.4417	T	T	T	T
	2	0.4337	76.9904	F	F	F	F
	3	0.4337	74.6892	F	F	F	F
THPYR_03_329	1	0.7251	81.1098	T	T	F	F
	2	0.7251	74.7966	F	F	F	F
	3	0.7251	73.9864	F	F	F	F
THPYR_03_342	1	0.979	82.2552	T	T	F	F
	2	0.979	71.7178	F	F	F	F
	3	0.979	71.236	T	T	F	F
THPYR_03_343	1	1.4723	81.5842	F	F	F	F
	2	1.4723	73.5381	F	F	F	F
	3	1.4723	68.4389	F	F	F	F
THPYR_03_351	1	1.8932	78.484	F	F	F	F
	2	1.8932	77.5937	F	F	F	F
	3	1.8932	77.1549	T	T	F	F
THPYR_03_369	1	1.7628	95.2368	F	F	F	F
	2	1.7628	89.8783	F	T	F	F
	3	1.7628	88.0471	F	F	F	F
THPYR_03_372	1	1.9584	77.013	F	F	F	F
	2	1.9584	72.1018	F	F	F	F
	3	1.9584	71.6688	F	F	F	F
THPYR_03_389	1	0.5912	77.0717	F	F	F	F
	2	0.5912	73.1773	F	F	F	F
	3	0.5912	70.3296	F	F	F	F
THPYR_03_394	1	1.406	76.5035	F	F	F	F
	2	1.406	75.358	F	F	F	F
	3	1.406	74.312	F	F	F	F
THPYR_03_407	1	0.756	86.257	T	T	T	T
	2	0.756	83.6513	T	T	F	F
	3	0.756	75.0223	F	F	F	F
THPYR_03_420	1	1.6155	87.5693	T	T	T	T
	2	1.6155	78.2979	F	F	F	F
	3	1.6155	76.6744	F	F	F	F
THPYR_03_426	1	1.3912	79.3092	F	F	F	F
	2	1.3912	73.0659	F	F	F	F
	3	1.3912	71.9803	F	F	F	F
THPYR_04_001	1	1.0877	83.8422	T	T	T	T
	2	1.0877	77.3839	T	T	F	F
	3	1.0877	77.0789	F	F	F	F
THPYR_04_002	1	0.1408	73.2802	F	F	F	F

	2	0.1408	73.104	F	F	F	F
	3	0.1408	72.8389	F	F	F	F
THPYR_04_009	1	0.3174	87.2507	T	T	T	T
	2	0.3174	76.4917	F	F	F	F
	3	0.3174	76.0946	F	F	F	F
THPYR_04_015	1	1.2156	79.2489	F	F	F	F
	2	1.2156	77.2543	F	F	F	F
	3	1.2156	76.4452	F	F	F	F
THPYR_04_016	1	0.4367	75.9226	F	F	F	F
	2	0.4367	74.657	T	T	T	T
	3	0.4367	73.2524	F	F	F	F
THPYR_04_017	1	0.7434	64.4709	F	F	F	F
	2	0.7434	63.618	F	F	F	F
	3	0.7434	63.1098	F	F	F	F
THPYR_04_037	1	1.2615	77.3515	F	F	F	F
	2	1.2615	72.5774	F	F	F	F
	3	1.2615	71.9016	F	F	F	F
THPYR_04_038	1	1.8429	74.4022	F	T	F	F
	2	1.8429	70.899	F	F	F	F
	3	1.8429	68.1467	F	F	F	F
THPYR_04_039	1	0.2929	76.6387	F	F	F	F
	2	0.2929	75.1977	T	T	F	F
	3	0.2929	72.4075	T	T	F	F
THPYR_04_047	1	0.8523	78.2943	F	F	F	F
	2	0.8523	77.503	F	F	F	F
	3	0.8523	75.0506	F	F	F	F
THPYR_04_048	1	0.705	82.1588	F	F	F	F
	2	0.705	79.2225	F	F	F	F
	3	0.705	76.8259	F	F	F	F
THPYR_04_052	1	0.4089	81.2784	T	T	F	F
	2	0.4089	80.2211	F	F	F	F
	3	0.4089	78.3118	T	T	F	F
THPYR_04_059	1	1.3176	62.5229	T	T	T	T
	2	1.3176	62.0619	F	F	F	F
	3	1.3176	61.461	F	F	F	F
THPYR_04_060	1	0.0061	72.8708	F	F	F	F
	2	0.0061	72.3949	F	F	F	F
	3	0.0061	71.6792	F	F	F	F
THPYR_04_072	1	0.6965	77.1333	F	F	F	F
	2	0.6965	76.6389	F	F	F	F
	3	0.6965	74.2695	F	F	F	F
THPYR_04_076	1	1.1148	81.0642	T	T	T	T
	2	1.1148	79.611	T	T	T	T
	3	1.1148	77.6079	T	T	T	T
THPYR_04_077	1	1.5535	81.7831	T	T	T	T

	2	1.5535	74.8996	F	F	F	F
	3	1.5535	74.5526	F	T	F	F
THPYR_04_081	1	0.508	76.9432	F	T	F	F
	2	0.508	74.4687	F	F	F	F
	3	0.508	74.416	F	F	F	F
THPYR_04_082	1	0.263	84.0801	T	T	T	T
	2	0.263	77.0421	F	F	F	F
	3	0.263	74.2574	F	F	F	F
THPYR_04_083	1	0.3479	83.2673	T	T	F	F
	2	0.3479	81.4041	T	T	T	T
	3	0.3479	76.7275	F	F	F	F
THPYR_04_106	1	0.2966	83.5699	T	T	F	F
	2	0.2966	83.0183	F	F	F	F
	3	0.2966	82.0724	F	F	F	F
THPYR_04_114	1	1.1374	79.2658	T	T	F	F
	2	1.1374	77.1725	T	T	T	T
	3	1.1374	75.1768	T	T	F	F
THPYR_04_144	1	1.1593	76.5874	F	F	F	F
	2	1.1593	73.1072	F	F	F	F
	3	1.1593	72.9204	F	F	F	F
THPYR_04_146	1	1.7571	83.5959	F	F	F	F
	2	1.7571	73.0606	F	F	F	F
	3	1.7571	72.784	F	F	F	F
THPYR_04_147	1	1.8906	74.4092	F	F	F	F
	2	1.8906	72.6173	F	F	F	F
	3	1.8906	71.9785	F	F	F	F
THPYR_04_150	1	0.8381	82.2548	T	F	F	F
	2	0.8381	81.3337	F	F	F	F
	3	0.8381	81.2487	F	F	F	F
THPYR_04_152	1	0.2439	78.238	T	T	F	F
	2	0.2439	77.1803	F	F	F	F
	3	0.2439	74.2195	T	F	F	F
THPYR_04_156	1	0.3486	85.434	F	T	F	F
	2	0.3486	80.2204	F	T	F	F
	3	0.3486	79.6872	F	F	F	F
THPYR_04_185	1	0.8188	82.9938	T	T	T	T
	2	0.8188	76.1523	F	F	F	F
	3	0.8188	73.3054	F	F	F	F
THPYR_04_205	1	1.9055	77.9673	T	T	T	T
	2	1.9055	77.9489	F	F	F	F
	3	1.9055	76.2909	F	F	F	F
THPYR_04_217	1	0.6525	76.1333	F	F	F	F
	2	0.6525	73.1552	F	F	F	F
	3	0.6525	69.3225	F	F	F	F
THPYR_04_218	1	1.6792	77.5496	F	F	F	F

	2	1.6792	73.6272	F	T	F	F
	3	1.6792	72.2809	F	F	F	F
THPYR_04_221	1	0.2332	85.7685	T	T	F	F
	2	0.2332	79.9941	F	F	F	F
	3	0.2332	78.9512	F	F	F	F
THPYR_04_222	1	1.0755	79.1615	T	T	T	T
	2	1.0755	77.269	T	T	T	T
	3	1.0755	74.8979	F	F	F	F
THPYR_04_223	1	0.808	79.7057	F	F	F	F
	2	0.808	78.8363	T	T	T	T
	3	0.808	78.1374	F	T	F	F
THPYR_04_226	1	0.1401	68.6899	F	F	F	F
	2	0.1401	68.1812	F	F	F	F
	3	0.1401	67.4458	F	F	F	F
THPYR_04_227	1	0.1621	74.5259	T	T	F	F
	2	0.1621	72.5967	F	F	F	F
	3	0.1621	69.4973	F	T	F	F
THPYR_04_233	1	0.1896	78.6721	F	F	F	F
	2	0.1896	78.5286	T	T	F	F
	3	0.1896	78.3193	F	F	F	F
THPYR_04_234	1	1.1623	74.2198	F	F	F	F
	2	1.1623	73.6015	F	F	F	F
	3	1.1623	70.5689	F	F	F	F
THPYR_04_237	1	0.4065	82.169	T	T	F	F
	2	0.4065	71.1678	F	T	F	F
	3	0.4065	70.2351	F	F	F	F
THPYR_04_241	1	0.8285	77.5472	T	T	T	T
	2	0.8285	76.6394	T	T	F	F
	3	0.8285	73.6627	F	F	F	F
THPYR_04_251	1	0.2966	75.764	T	T	F	F
	2	0.2966	74.4227	F	F	F	F
	3	0.2966	70.8925	F	F	F	F
THPYR_04_252	1	0.4094	78.6591	T	T	T	T
	2	0.4094	77.4756	F	F	F	F
	3	0.4094	73.5845	F	F	F	F
THPYR_04_253	1	1.3999	75.4707	F	F	F	F
	2	1.3999	73.5082	T	T	F	F
	3	1.3999	73.2339	F	F	F	F
THPYR_04_267	1	1.3552	84.3271	T	T	F	F
	2	1.3552	80.114	F	F	F	F
	3	1.3552	75.1718	F	F	F	F
THPYR_04_274	1	1.113	76.7806	F	F	F	F
	2	1.113	73.8035	F	F	F	F
	3	1.113	73.4242	F	F	F	F
THPYR_04_275	1	1.6665	78.0497	F	F	F	F

	2	1.6665	77.807	T	T	F	F
	3	1.6665	74.5194	F	F	F	F
THPYR_04_276	1	0.4134	72.9016	T	T	F	F
	2	0.4134	71.0118	T	T	F	F
	3	0.4134	67.3073	F	F	F	F
THPYR_04_278	1	0.2612	72.7366	T	T	F	F
	2	0.2612	72.3402	F	F	F	F
	3	0.2612	71.9707	F	F	F	F
THPYR_04_279	1	0.4064	77.5888	F	F	F	F
	2	0.4064	76.7678	F	F	F	F
	3	0.4064	73.357	F	F	F	F
THPYR_04_294	1	1.0271	78.9839	T	F	F	F
	2	1.0271	76.3974	F	F	F	F
	3	1.0271	76.0295	T	F	F	F
THPYR_04_297	1	1.158	82.5724	F	F	F	F
	2	1.158	75.7158	F	F	F	F
	3	1.158	72.432	F	F	F	F
THPYR_04_304	1	0.6372	80.4292	F	F	F	F
	2	0.6372	79.5681	T	F	F	F
	3	0.6372	76.2413	F	F	F	F
THPYR_04_310	1	0.3311	68.8831	F	T	F	F
	2	0.3311	68.4442	F	F	F	F
	3	0.3311	67.4302	F	F	F	F
THPYR_04_325	1	1.2612	79.8848	T	T	T	T
	2	1.2612	76.8955	T	T	F	F
	3	1.2612	76.2939	F	F	F	F
THPYR_04_329	1	0.349	72.3145	F	F	F	F
	2	0.349	70.7724	F	F	F	F
	3	0.349	68.5998	F	F	F	F
THPYR_04_331	1	1.7474	72.9185	T	T	T	T
	2	1.7474	71.7496	F	F	F	F
	3	1.7474	69.6979	F	F	F	F
THPYR_04_342	1	0.2726	77.0753	F	F	F	F
	2	0.2726	76.0911	F	F	F	F
	3	0.2726	72.1495	F	F	F	F
THPYR_04_343	1	0.2147	82.8889	F	F	F	F
	2	0.2147	79.8998	F	F	F	F
	3	0.2147	74.7606	F	F	F	F
THPYR_04_344	1	1.5177	75.3672	F	F	F	F
	2	1.5177	67.9962	F	F	F	F
	3	1.5177	65.7175	F	F	F	F
THPYR_04_346	1	1.8072	69.7908	F	F	F	F
	2	1.8072	68.8446	F	F	F	F
	3	1.8072	63.3411	F	T	F	F
THPYR_04_349	1	0.4256	79.9081	F	F	F	F

	2	0.4256	71.789	F	T	F	F
	3	0.4256	69.9539	F	F	F	F
THPYR_04_351	1	0.2738	82.2535	F	F	F	F
	2	0.2738	81.4653	F	F	F	F
	3	0.2738	72.1147	F	T	F	F
THPYR_04_355	1	0.1931	75.2061	F	F	F	F
	2	0.1931	75.1355	F	F	F	F
	3	0.1931	75.0382	F	F	F	F
THPYR_04_365	1	0.6769	81.8026	F	F	F	F
	2	0.6769	80.9307	T	T	T	T
	3	0.6769	78.87	T	T	F	F
THPYR_04_371	1	0.0938	78.8383	F	F	F	F
	2	0.0938	76.9762	F	F	F	F
	3	0.0938	75.9157	F	F	F	F
THPYR_04_372	1	1.1628	74.6207	F	F	F	F
	2	1.1628	74.2001	F	F	F	F
	3	1.1628	71.6477	F	F	F	F
THPYR_04_373	1	1.3164	80.649	F	T	F	F
	2	1.3164	74.1762	T	T	F	F
	3	1.3164	70.5282	F	F	F	F
THPYR_04_377	1	1.0967	73.4996	T	T	F	F
	2	1.0967	72.3991	F	F	F	F
	3	1.0967	69.7825	F	T	F	F
THPYR_04_378	1	1.2537	78.4361	F	F	F	F
	2	1.2537	75.6176	F	F	F	F
	3	1.2537	74.6407	T	T	F	F
THPYR_04_385	1	1.5191	72.4746	F	F	F	F
	2	1.5191	69.8576	T	T	T	T
	3	1.5191	69.6086	F	F	F	F
THPYR_04_386	1	0.7762	82.2209	T	T	T	T
	2	0.7762	79.7649	F	F	F	F
	3	0.7762	73.6178	F	F	F	F
THPYR_04_388	1	1.3449	77.1584	F	F	F	F
	2	1.3449	75.0882	F	F	F	F
	3	1.3449	72.8629	F	F	F	F
THPYR_04_389	1	0.2639	80.075	F	F	F	F
	2	0.2639	76.1276	F	F	F	F
	3	0.2639	71.7579	F	F	F	F
THPYR_04_394	1	0.2165	81.8557	F	F	F	F
	2	0.2165	79.201	T	T	F	F
	3	0.2165	77.8666	F	F	F	F
THPYR_04_397	1	0.8449	79.4725	F	F	F	F
	2	0.8449	79.0707	F	F	F	F
	3	0.8449	75.7723	F	F	F	F
THPYR_04_398	1	1.6218	82.5357	F	F	F	F

	2	1.6218	81.7572	F	F	F	F
	3	1.6218	78.5435	T	T	T	T
THPYR_04_399	1	0.6009	84.3223	T	T	T	T
	2	0.6009	82.0737	T	T	T	T
	3	0.6009	74.8711	F	F	F	F
THPYR_04_400	1	0.4226	75.6612	T	F	F	F
	2	0.4226	75.0442	F	T	F	F
	3	0.4226	73.2833	F	F	F	F
THPYR_04_402	1	0.8796	79.8271	F	F	F	F
	2	0.8796	78.9946	T	F	F	F
	3	0.8796	76.3392	F	F	F	F
THPYR_04_403	1	0.2495	88.0157	F	F	F	F
	2	0.2495	77.1648	T	T	F	F
	3	0.2495	75.0064	F	F	F	F
THPYR_04_407	1	0.1234	78.7072	F	F	F	F
	2	0.1234	76.358	F	F	F	F
	3	0.1234	74.1768	F	F	F	F
THPYR_04_411	1	0.9596	83.5953	F	F	F	F
	2	0.9596	74.06	F	F	F	F
	3	0.9596	73.6976	F	F	F	F
THPYR_04_412	1	0.8498	85.3595	T	T	T	T
	2	0.8498	81.4042	T	T	F	F
	3	0.8498	80.7753	F	F	F	F
THPYR_04_413	1	0.9253	79.4583	F	F	F	F
	2	0.9253	75.4527	T	T	F	F
	3	0.9253	71.1444	F	F	F	F
THPYR_04_416	1	1.4962	72.9656	F	F	F	F
	2	1.4962	70.8126	F	F	F	F
	3	1.4962	69.9885	F	F	F	F
THPYR_04_417	1	1.2604	77.6018	F	F	F	F
	2	1.2604	72.1615	F	F	F	F
	3	1.2604	68.0005	F	T	F	F
THPYR_04_418	1	0.7271	74.8965	T	T	F	F
	2	0.7271	74.2809	F	F	F	F
	3	0.7271	72.1582	F	F	F	F
THPYR_04_419	1	0.9587	80.0711	T	T	F	F
	2	0.9587	78.3171	F	F	F	F
	3	0.9587	72.2188	F	F	F	F
THPYR_04_420	1	0.3683	87.6105	T	T	T	T
	2	0.3683	86.5118	T	T	F	F
	3	0.3683	82.4312	F	F	F	F
THPYR_04_426	1	0.4376	81.3322	F	F	F	F
	2	0.4376	77.9972	F	F	F	F
	3	0.4376	75.2312	F	T	F	F
THPYR_04_427	1	0.6003	78.7658	F	T	F	F

	2	0.6003	78.3812	F	F	F	F
	3	0.6003	76.8254	F	F	F	F
THPYR_04_428	1	0.5416	83.136	T	T	T	T
	2	0.5416	78.7464	F	F	F	F
	3	0.5416	76.4999	T	T	F	F
THPYR_04_429	1	0.9694	75.0392	F	F	F	F
	2	0.9694	74.7187	T	T	F	F
	3	0.9694	74.1573	F	F	F	F
THPYR_04_430	1	0.8722	79.4038	T	T	F	F
	2	0.8722	77.7051	F	F	F	F
	3	0.8722	76.5182	F	F	F	F
THPYR_05_001	1	1.2776	78.0434	F	T	F	F
	2	1.2776	77.5629	F	F	F	F
	3	1.2776	75.546	F	F	F	F
THPYR_05_002	1	0.1285	85.2028	F	F	F	F
	2	0.1285	78.3477	F	T	F	F
	3	0.1285	75.2318	F	T	F	F
THPYR_05_009	1	0.2442	86.8675	T	T	F	F
	2	0.2442	79.9254	T	T	T	T
	3	0.2442	76.1894	T	T	F	F
THPYR_05_015	1	1.1923	73.8219	F	F	F	F
	2	1.1923	69.9965	F	F	F	F
	3	1.1923	69.8399	F	F	F	F
THPYR_05_016	1	0.5596	77.4933	T	T	T	T
	2	0.5596	76.9607	F	F	F	F
	3	0.5596	76.7971	T	T	F	F
THPYR_05_017	1	0.842	72.4256	F	F	F	F
	2	0.842	70.1695	F	F	F	F
	3	0.842	65.2266	F	F	F	F
THPYR_05_037	1	0.7495	78.5265	F	F	F	F
	2	0.7495	78.1338	F	F	F	F
	3	0.7495	76.4567	F	F	F	F
THPYR_05_038	1	1.1122	74.8663	F	F	F	F
	2	1.1122	71.0748	F	F	F	F
	3	1.1122	69.6968	F	F	F	F
THPYR_05_039	1	0.2336	80.4517	T	T	T	T
	2	0.2336	80.0754	F	F	F	F
	3	0.2336	77.6173	T	T	F	F
THPYR_05_041	1	1.5438	72.6777	T	T	T	T
	2	1.5438	70.7744	T	T	F	F
	3	1.5438	70.114	F	F	F	F
THPYR_05_047	1	1.3709	81.4375	F	F	F	F
	2	1.3709	79.3328	F	F	F	F
	3	1.3709	78.6226	F	F	F	F
THPYR_05_048	1	0.9605	84.4801	F	F	F	F

	2	0.9605	78.5064	T	T	F	F
	3	0.9605	77.1525	F	F	F	F
THPYR_05_052	1	0.6446	81.6322	F	F	F	F
	2	0.6446	77.4388	F	F	F	F
	3	0.6446	77.2108	T	T	F	F
THPYR_05_059	1	1.3568	64.4615	T	T	F	F
	2	1.3568	61.191	F	F	F	F
	3	1.3568	59.6543	F	F	F	F
THPYR_05_060	1	0.0061	77.7019	T	T	F	F
	2	0.0061	75.4068	F	F	F	F
	3	0.0061	73.9602	F	F	F	F
THPYR_05_072	1	0.6961	71.8819	F	F	F	F
	2	0.6961	71.5561	F	F	F	F
	3	0.6961	70.5771	F	F	F	F
THPYR_05_076	1	1.1598	81.6365	T	T	T	T
	2	1.1598	73.317	F	F	F	F
	3	1.1598	73.0896	F	F	F	F
THPYR_05_077	1	1.191	81.0402	T	T	T	T
	2	1.191	80.3739	T	T	T	T
	3	1.191	73.8184	F	F	F	F
THPYR_05_081	1	0.544	83.8129	T	T	T	T
	2	0.544	74.9178	F	F	F	F
	3	0.544	74.8025	F	F	F	F
THPYR_05_082	1	0.2353	85.9608	T	T	T	T
	2	0.2353	77.5057	F	F	F	F
	3	0.2353	76.4284	T	T	T	T
THPYR_05_083	1	0.3326	76.2454	F	T	F	F
	2	0.3326	74.8112	F	F	F	F
	3	0.3326	74.7938	F	F	F	F
THPYR_05_106	1	0.3126	81.2587	T	T	T	T
	2	0.3126	80.0889	T	T	T	T
	3	0.3126	79.4371	T	T	F	F
THPYR_05_114	1	1.1918	82.6904	T	T	T	T
	2	1.1918	76.1846	F	F	F	F
	3	1.1918	75.8121	F	F	F	F
THPYR_05_144	1	1.0718	79.5024	F	F	F	F
	2	1.0718	76.2971	F	F	F	F
	3	1.0718	75.0222	F	F	F	F
THPYR_05_146	1	1.5585	75.0687	F	F	F	F
	2	1.5585	70.1023	F	F	F	F
	3	1.5585	69.5862	F	F	F	F
THPYR_05_150	1	0.8209	82.3133	T	T	T	T
	2	0.8209	81.7752	F	F	F	F
	3	0.8209	79.9822	F	F	F	F
THPYR_05_152	1	0.3065	82.0037	T	T	F	F

	2	0.3065	79.9451	F	F	F	F
	3	0.3065	78.29	F	F	F	F
THPYR_05_156	1	0.3144	80.8803	F	F	F	F
	2	0.3144	78.5935	F	F	F	F
	3	0.3144	76.7709	F	F	F	F
THPYR_05_182	1	1.8488	80.9792	T	T	F	F
	2	1.8488	76.7489	F	F	F	F
	3	1.8488	76.3682	T	T	F	F
THPYR_05_185	1	0.9667	74.5599	F	F	F	F
	2	0.9667	73.7935	F	F	F	F
	3	0.9667	72.2524	F	F	F	F
THPYR_05_189	1	1.3113	77.6215	F	F	F	F
	2	1.3113	74.8035	F	F	F	F
	3	1.3113	71.3638	F	F	F	F
THPYR_05_214	1	1.7997	77.1858	F	F	F	F
	2	1.7997	75.3975	T	T	T	T
	3	1.7997	73.7935	F	F	F	F
THPYR_05_217	1	1.4672	70.6854	F	F	F	F
	2	1.4672	68.9881	F	F	F	F
	3	1.4672	68.7781	F	F	F	F
THPYR_05_218	1	1.6604	78.8123	T	T	F	F
	2	1.6604	74.0943	F	F	F	F
	3	1.6604	71.5563	F	F	F	F
THPYR_05_220	1	1.1269	83.9986	T	T	F	F
	2	1.1269	75.7798	F	F	F	F
	3	1.1269	74.8096	F	F	F	F
THPYR_05_221	1	0.1204	79.8955	F	F	F	F
	2	0.1204	78.3243	F	F	F	F
	3	0.1204	74.6564	F	F	F	F
THPYR_05_222	1	1.212	76.8898	F	T	F	F
	2	1.212	74.2857	F	F	F	F
	3	1.212	74.1303	F	F	F	F
THPYR_05_223	1	0.973	78.5437	T	T	T	T
	2	0.973	75.6256	F	F	F	F
	3	0.973	75.2997	F	T	F	F
THPYR_05_226	1	0.1566	74.8188	T	T	F	F
	2	0.1566	73.4391	F	F	F	F
	3	0.1566	71.4927	F	F	F	F
THPYR_05_227	1	0.1832	74.7736	T	T	F	F
	2	0.1832	70.3089	F	F	F	F
	3	0.1832	69.3991	F	F	F	F
THPYR_05_233	1	0.2405	82.4959	F	F	F	F
	2	0.2405	76.7034	F	F	F	F
	3	0.2405	75.973	F	F	F	F
THPYR_05_234	1	1.1569	73.3579	F	F	F	F

	2	1.1569	72.1902	F	F	F	F
	3	1.1569	71.3646	F	F	F	F
THPYR_05_237	1	0.3624	76.1681	F	T	F	F
	2	0.3624	71.8227	F	F	F	F
	3	0.3624	69.2802	F	F	F	F
THPYR_05_241	1	1.075	76.8423	F	F	F	F
	2	1.075	75.8259	F	F	F	F
	3	1.075	71.6337	T	T	F	F
THPYR_05_251	1	0.4172	73.2769	F	F	F	F
	2	0.4172	73.0443	F	F	F	F
	3	0.4172	73.0026	F	F	F	F
THPYR_05_252	1	0.4579	74.4551	F	F	F	F
	2	0.4579	74.0229	F	F	F	F
	3	0.4579	72.7747	T	T	F	F
THPYR_05_253	1	1.5996	79.0041	T	T	F	F
	2	1.5996	74.0555	F	F	F	F
	3	1.5996	72.285	F	F	F	F
THPYR_05_267	1	1.129	78.9172	F	F	F	F
	2	1.129	76.1474	F	F	F	F
	3	1.129	73.5936	F	F	F	F
THPYR_05_274	1	1.6014	74.7315	F	T	F	F
	2	1.6014	72.4182	F	F	F	F
	3	1.6014	72.185	F	F	F	F
THPYR_05_276	1	0.2068	72.4911	F	F	F	F
	2	0.2068	69.9056	F	F	F	F
	3	0.2068	67.7262	T	T	F	F
THPYR_05_278	1	0.2782	73.6285	F	F	F	F
	2	0.2782	73.1347	F	F	F	F
	3	0.2782	69.7534	F	F	F	F
THPYR_05_279	1	0.3245	85.4982	F	F	F	F
	2	0.3245	74.0216	F	F	F	F
	3	0.3245	73.0586	F	F	F	F
THPYR_05_294	1	1.0641	81.0016	F	F	F	F
	2	1.0641	75.3448	T	T	F	F
	3	1.0641	70.7898	F	F	F	F
THPYR_05_297	1	1.1604	75.625	F	F	F	F
	2	1.1604	75.3347	F	F	F	F
	3	1.1604	75.2653	F	F	F	F
THPYR_05_303	1	0.5246	76.0632	F	F	F	F
	2	0.5246	72.7626	F	F	F	F
	3	0.5246	72.7567	T	T	T	T
THPYR_05_304	1	0.455	79.5541	F	F	F	F
	2	0.455	79.1776	T	T	T	T
	3	0.455	75.2004	F	F	F	F
THPYR_05_310	1	0.3827	77.7596	T	T	F	F

	2	0.3827	75.9567	F	F	F	F
	3	0.3827	75.4243	F	F	F	F
THPYR_05_315	1	0.6249	78.2217	F	F	F	F
	2	0.6249	74.8052	F	F	F	F
	3	0.6249	73.1535	F	F	F	F
THPYR_05_325	1	1.2549	77.5082	F	F	F	F
	2	1.2549	76.2297	T	T	T	T
	3	1.2549	73.9219	F	F	F	F
THPYR_05_329	1	0.5682	78.6315	T	T	F	F
	2	0.5682	76.5465	T	T	T	T
	3	0.5682	70.4972	F	F	F	F
THPYR_05_331	1	1.8471	75.2639	T	T	T	T
	2	1.8471	72.2451	F	F	F	F
	3	1.8471	71.5342	F	F	F	F
THPYR_05_341	1	1.4696	80.0536	T	T	F	F
	2	1.4696	68.1157	F	F	F	F
	3	1.4696	67.2892	F	F	F	F
THPYR_05_342	1	0.2938	73.4074	F	F	F	F
	2	0.2938	70.035	F	F	F	F
	3	0.2938	66.7964	F	F	F	F
THPYR_05_343	1	0.2259	82.1715	F	F	F	F
	2	0.2259	70.2152	F	F	F	F
	3	0.2259	68.4983	F	F	F	F
THPYR_05_344	1	1.6319	71.4796	T	T	T	T
	2	1.6319	69.772	T	F	F	F
	3	1.6319	67.4321	F	F	F	F
THPYR_05_346	1	1.8958	72.5364	F	T	F	F
	2	1.8958	71.2357	F	F	F	F
	3	1.8958	68.5672	F	F	F	F
THPYR_05_347	1	1.4921	77.6202	F	F	F	F
	2	1.4921	77.5482	F	F	F	F
	3	1.4921	76.2511	F	F	F	F
THPYR_05_348	1	0.6498	78.1678	F	F	F	F
	2	0.6498	77.2592	F	F	F	F
	3	0.6498	73.7523	F	F	F	F
THPYR_05_349	1	0.3464	71.5431	F	F	F	F
	2	0.3464	68.9904	F	F	F	F
	3	0.3464	68.8979	F	F	F	F
THPYR_05_351	1	0.2686	78.3468	F	T	F	F
	2	0.2686	77.9681	F	F	F	F
	3	0.2686	75.6938	F	F	F	F
THPYR_05_352	1	1.3173	76.879	T	T	F	F
	2	1.3173	75.6946	T	T	T	T
	3	1.3173	75.2875	T	T	T	T
THPYR_05_355	1	0.183	77.0891	F	F	F	F

	2	0.183	76.9896	F	F	F	F
	3	0.183	76.618	T	T	F	F
THPYR_05_365	1	0.8584	86.078	F	F	F	F
	2	0.8584	81.8818	F	F	F	F
	3	0.8584	78.1002	F	F	F	F
THPYR_05_371	1	0.1083	81.6976	F	F	F	F
	2	0.1083	81.0773	T	T	F	F
	3	0.1083	78.8698	F	F	F	F
THPYR_05_372	1	0.973	74.309	F	F	F	F
	2	0.973	73.3498	F	F	F	F
	3	0.973	71.3458	F	F	F	F
THPYR_05_373	1	1.4191	71.4486	F	F	F	F
	2	1.4191	71.0204	F	F	F	F
	3	1.4191	70.577	F	F	F	F
THPYR_05_377	1	1.3222	77.0702	T	T	T	T
	2	1.3222	74.8785	F	F	F	F
	3	1.3222	74.2741	F	F	F	F
THPYR_05_378	1	1.4488	79.8123	F	F	F	F
	2	1.4488	76.6436	F	F	F	F
	3	1.4488	72.5454	F	F	F	F
THPYR_05_385	1	1.2951	74.4622	F	F	F	F
	2	1.2951	73.4005	F	T	F	F
	3	1.2951	72.777	F	F	F	F
THPYR_05_386	1	0.6431	81.7719	F	F	F	F
	2	0.6431	77.7405	T	T	F	F
	3	0.6431	77.1915	T	T	F	F
THPYR_05_388	1	1.3268	76.2652	T	T	F	F
	2	1.3268	76.0797	F	F	F	F
	3	1.3268	75.1422	F	F	F	F
THPYR_05_389	1	0.207	75.6432	F	F	F	F
	2	0.207	73.6845	F	F	F	F
	3	0.207	72.6741	F	F	F	F
THPYR_05_394	1	0.1882	79.169	T	T	F	F
	2	0.1882	78.6302	F	F	F	F
	3	0.1882	77.6951	F	F	F	F
THPYR_05_397	1	0.8091	81.6179	T	T	T	T
	2	0.8091	80.4523	T	T	F	F
	3	0.8091	77.2621	F	F	F	F
THPYR_05_398	1	1.6203	79.0297	T	T	F	F
	2	1.6203	75.6996	F	F	F	F
	3	1.6203	75.3659	T	T	F	F
THPYR_05_399	1	0.6053	86.1189	T	T	F	F
	2	0.6053	81.718	F	F	F	F
	3	0.6053	80.9493	F	F	F	F
THPYR_05_400	1	0.4708	80.6312	F	F	F	F

	2	0.4708	74.8541	F	F	F	F
	3	0.4708	73.9035	F	F	F	F
THPYR_05_402	1	0.7178	85.3126	F	F	F	F
	2	0.7178	78.4899	F	F	F	F
	3	0.7178	75.4697	F	F	F	F
THPYR_05_403	1	0.3065	80.2313	F	F	F	F
	2	0.3065	73.4474	F	F	F	F
	3	0.3065	71.2063	F	F	F	F
THPYR_05_407	1	0.1565	89.012	T	T	F	F
	2	0.1565	86.24	T	T	T	T
	3	0.1565	75.7178	F	F	F	F
THPYR_05_411	1	0.5238	82.703	T	T	F	F
	2	0.5238	81.979	F	F	F	F
	3	0.5238	81.2114	T	T	F	F
THPYR_05_412	1	1.6478	79.7322	F	F	F	F
	2	1.6478	79.3949	F	F	F	F
	3	1.6478	78.3346	T	T	F	F
THPYR_05_413	1	1.3155	72.416	F	F	F	F
	2	1.3155	72.4116	F	F	F	F
	3	1.3155	72.0682	F	F	F	F
THPYR_05_415	1	1.5129	78.0087	F	F	F	F
	2	1.5129	70.0004	F	F	F	F
	3	1.5129	69.488	F	F	F	F
THPYR_05_416	1	0.9815	78.4758	F	F	F	F
	2	0.9815	70.7428	F	F	F	F
	3	0.9815	70.3919	F	F	F	F
THPYR_05_417	1	0.7506	82.4238	F	F	F	F
	2	0.7506	77.6188	F	F	F	F
	3	0.7506	75.1557	F	F	F	F
THPYR_05_418	1	0.5708	78.9653	T	T	T	T
	2	0.5708	78.0024	F	F	F	F
	3	0.5708	75.6445	F	F	F	F
THPYR_05_419	1	0.9784	80.3572	F	F	F	F
	2	0.9784	75.67	F	F	F	F
	3	0.9784	70.6122	F	F	F	F
THPYR_05_420	1	0.2897	88.0923	T	T	F	F
	2	0.2897	77.0131	F	F	F	F
	3	0.2897	73.3479	F	F	F	F
THPYR_05_426	1	0.8829	71.2253	F	F	F	F
	2	0.8829	70.4508	T	T	T	T
	3	0.8829	69.7327	F	F	F	F
THPYR_05_427	1	0.5438	81.443	F	F	F	F
	2	0.5438	77.4643	F	F	F	F
	3	0.5438	76.1781	F	F	F	F
THPYR_05_428	1	0.4644	83.209	F	F	F	F

	2	0.4644	76.9167	T	T	T	T
	3	0.4644	76.3575	F	F	F	F
THPYR_05_429	1	1.0106	75.9393	F	F	F	F
	2	1.0106	74.7908	F	F	F	F
	3	1.0106	74.5923	F	T	F	F
THPYR_05_430	1	0.9632	73.0354	F	F	F	F
	2	0.9632	73.0098	F	F	F	F
	3	0.9632	71.2166	F	F	F	F
THPYR_06_001	1	1.3474	78.4787	F	F	F	F
	2	1.3474	77.4943	T	T	F	F
	3	1.3474	77.2022	F	F	F	F
THPYR_06_002	1	0.3479	82.8522	T	T	T	T
	2	0.3479	80.5942	T	T	F	F
	3	0.3479	78.7778	F	F	F	F
THPYR_06_009	1	0.2782	94.7786	T	T	T	T
	2	0.2782	75.8383	F	F	F	F
	3	0.2782	74.8513	F	F	F	F
THPYR_06_016	1	0.3479	80.2634	F	F	F	F
	2	0.3479	79.7989	F	F	F	F
	3	0.3479	78.6581	T	T	T	T
THPYR_06_017	1	0.8054	67.9477	F	F	F	F
	2	0.8054	64.6507	F	F	F	F
	3	0.8054	60.7405	F	F	F	F
THPYR_06_037	1	0.7898	80.5437	F	F	F	F
	2	0.7898	78.5559	T	T	F	F
	3	0.7898	78.354	T	T	F	F
THPYR_06_038	1	1.2128	82.7281	F	F	F	F
	2	1.2128	75.42	F	F	F	F
	3	1.2128	71.8133	F	F	F	F
THPYR_06_039	1	0.2153	78.557	F	F	F	F
	2	0.2153	76.9733	F	F	F	F
	3	0.2153	73.1163	T	T	T	T
THPYR_06_041	1	1.6788	77.6838	F	F	F	F
	2	1.6788	76.6011	F	F	F	F
	3	1.6788	74.1829	T	T	F	F
THPYR_06_047	1	1.5838	81.6206	F	T	F	F
	2	1.5838	80.879	F	F	F	F
	3	1.5838	79.7313	T	T	F	F
THPYR_06_048	1	0.8162	85.9284	F	F	F	F
	2	0.8162	81.2928	F	F	F	F
	3	0.8162	80.6324	F	F	F	F
THPYR_06_052	1	1.328	81.497	T	T	F	F
	2	1.328	80.3773	T	T	F	F
	3	1.328	80.367	T	T	T	T
THPYR_06_059	1	1.2921	70.418	T	T	T	T

	2	1.2921	66.0041	T	T	F	F
	3	1.2921	62.4408	T	T	T	T
THPYR_06_060	1	0.0052	76.5931	T	T	T	T
	2	0.0052	72.1428	F	F	F	F
	3	0.0052	71.9574	F	T	F	F
THPYR_06_061	1	0.9382	72.0135	T	T	F	F
	2	0.9382	70.7679	T	T	F	F
	3	0.9382	69.2184	F	F	F	F
THPYR_06_072	1	1.5321	74.8761	F	F	F	F
	2	1.5321	74.6819	F	F	F	F
	3	1.5321	73.8033	F	F	F	F
THPYR_06_076	1	1.1625	82.2363	T	T	T	T
	2	1.1625	81.247	T	T	F	F
	3	1.1625	77.7785	F	T	F	F
THPYR_06_077	1	1.8026	83.3648	T	T	T	T
	2	1.8026	78.19	T	T	F	F
	3	1.8026	73.5174	F	T	F	F
THPYR_06_081	1	0.4776	86.3322	T	T	T	T
	2	0.4776	80.1374	F	T	F	F
	3	0.4776	79.4337	T	T	F	F
THPYR_06_082	1	0.1201	86.5009	T	T	T	T
	2	0.1201	85.1251	T	T	F	F
	3	0.1201	78.6197	T	T	T	T
THPYR_06_083	1	0.4725	76.9209	F	F	F	F
	2	0.4725	75.9263	T	T	T	T
	3	0.4725	72.8076	F	F	F	F
THPYR_06_106	1	0.2446	80.1693	T	T	F	F
	2	0.2446	79.6506	T	T	T	T
	3	0.2446	77.6651	F	F	F	F
THPYR_06_114	1	1.2266	81.9387	T	T	T	T
	2	1.2266	81.6458	T	T	F	F
	3	1.2266	79.4268	T	T	T	T
THPYR_06_150	1	0.5289	83.4533	T	T	T	T
	2	0.5289	81.0468	F	F	F	F
	3	0.5289	80.1439	F	F	F	F
THPYR_06_152	1	0.2844	78.4464	T	T	T	T
	2	0.2844	77.5796	F	F	F	F
	3	0.2844	75.5279	F	F	F	F
THPYR_06_156	1	0.1878	85.4024	T	T	T	T
	2	0.1878	80.0905	T	T	F	F
	3	0.1878	79.6653	T	T	T	T
THPYR_06_185	1	0.9022	83.8079	T	T	T	T
	2	0.9022	82.839	T	T	T	T
	3	0.9022	79.4644	T	T	F	F
THPYR_06_189	1	1.7262	82.1119	T	T	T	T

	2	1.7262	81.7748	F	F	F	F
	3	1.7262	78.2421	T	T	F	F
THPYR_06_217	1	0.3111	82.6924	T	T	F	F
	2	0.3111	81.9508	F	F	F	F
	3	0.3111	74.4259	T	T	F	F
THPYR_06_220	1	1.7266	86.4004	T	T	T	T
	2	1.7266	80.2584	T	T	T	T
	3	1.7266	78.8439	T	T	F	F
THPYR_06_221	1	0.187	89.223	T	T	F	F
	2	0.187	79.723	F	F	F	F
	3	0.187	79.2915	F	F	F	F
THPYR_06_222	1	1.0462	79.4032	T	T	T	T
	2	1.0462	73.9749	F	F	F	F
	3	1.0462	73.8599	F	T	F	F
THPYR_06_223	1	0.863	81.7406	F	T	F	F
	2	0.863	78.7842	T	T	T	T
	3	0.863	78.0054	T	T	T	T
THPYR_06_226	1	0.1395	75.9485	T	T	F	F
	2	0.1395	73.3379	F	T	F	F
	3	0.1395	72.6063	T	T	F	F
THPYR_06_227	1	0.1729	77.995	T	T	F	F
	2	0.1729	77.7412	T	T	T	T
	3	0.1729	73.639	T	T	F	F
THPYR_06_233	1	0.1352	79.4117	T	T	F	F
	2	0.1352	78.6683	F	F	F	F
	3	0.1352	75.7313	F	F	F	F
THPYR_06_234	1	1.0812	76.5965	F	F	F	F
	2	1.0812	74.8317	T	T	F	F
	3	1.0812	71.8209	F	F	F	F
THPYR_06_237	1	0.1769	78.1891	F	F	F	F
	2	0.1769	71.4664	F	F	F	F
	3	0.1769	71.1478	F	F	F	F
THPYR_06_241	1	0.9462	78.8584	T	T	F	F
	2	0.9462	76.4965	F	F	F	F
	3	0.9462	72.5011	F	F	F	F
THPYR_06_248	1	1.1918	69.2219	F	T	F	F
	2	1.1918	63.4921	F	F	F	F
	3	1.1918	60.1852	F	F	F	F
THPYR_06_249	1	1.7183	82.5691	T	T	T	T
	2	1.7183	81.2545	T	T	T	T
	3	1.7183	80.3899	F	F	F	F
THPYR_06_251	1	0.2808	82.0011	T	T	T	T
	2	0.2808	77.6848	F	F	F	F
	3	0.2808	77.4687	F	F	F	F
THPYR_06_252	1	0.3575	82.6269	T	T	F	F

	2	0.3575	79.8728	T	T	F	F
	3	0.3575	74.9086	F	F	F	F
THPYR_06_254	1	1.9253	78.796	F	F	F	F
	2	1.9253	74.8521	F	F	F	F
	3	1.9253	74.2564	F	F	F	F
THPYR_06_267	1	1.1735	78.2317	T	T	T	T
	2	1.1735	78.1851	F	F	F	F
	3	1.1735	78.1332	F	F	F	F
THPYR_06_274	1	0.869	76.9486	F	F	F	F
	2	0.869	75.3134	F	F	F	F
	3	0.869	73.8822	F	F	F	F
THPYR_06_275	1	1.9616	81.4825	F	F	F	F
	2	1.9616	80.7829	T	T	T	T
	3	1.9616	79.6037	F	F	F	F
THPYR_06_276	1	0.3475	72.7744	T	T	F	F
	2	0.3475	72.4641	T	T	F	F
	3	0.3475	70.6733	F	F	F	F
THPYR_06_278	1	0.2102	84.2048	T	T	T	T
	2	0.2102	79.8941	T	T	T	T
	3	0.2102	78.52	T	T	T	T
THPYR_06_279	1	0.4661	86.4595	T	F	F	F
	2	0.4661	79.453	F	F	F	F
	3	0.4661	76.6918	F	F	F	F
THPYR_06_281	1	1.7037	83.9701	T	T	T	T
	2	1.7037	83.9481	T	T	T	T
	3	1.7037	80.286	F	F	F	F
THPYR_06_294	1	1.4002	83.9549	F	F	F	F
	2	1.4002	83.9464	T	T	F	F
	3	1.4002	80.8007	F	F	F	F
THPYR_06_295	1	1.6604	78.8031	F	F	F	F
	2	1.6604	78.6801	T	T	T	T
	3	1.6604	72.4273	F	F	F	F
THPYR_06_297	1	0.9281	84.8599	F	F	F	F
	2	0.9281	75.0861	F	T	F	F
	3	0.9281	74.8043	F	T	F	F
THPYR_06_301	1	0.9082	84.1921	F	F	F	F
	2	0.9082	78.7789	T	T	T	T
	3	0.9082	76.9654	T	T	T	T
THPYR_06_303	1	0.5055	82.131	T	T	T	T
	2	0.5055	78.7934	F	F	F	F
	3	0.5055	77.6946	F	F	F	F
THPYR_06_304	1	0.4226	84.2805	T	T	T	T
	2	0.4226	77.6012	T	T	F	F
	3	0.4226	72.405	F	F	F	F
THPYR_06_310	1	0.3272	79.3503	T	T	T	T

	2	0.3272	78.2772	F	F	F	F
	3	0.3272	78.0545	T	T	F	F
THPYR_06_315	1	0.4861	82.5443	T	T	T	T
	2	0.4861	81.519	T	T	F	F
	3	0.4861	77.5597	T	T	T	T
THPYR_06_325	1	1.3335	85.5377	T	T	T	T
	2	1.3335	83.5053	T	T	T	T
	3	1.3335	78.597	T	T	F	F
THPYR_06_329	1	0.6728	78.6482	T	T	F	F
	2	0.6728	77.8541	T	T	T	T
	3	0.6728	75.5673	F	F	F	F
THPYR_06_341	1	0.7506	89.1804	T	T	F	F
	2	0.7506	76.1276	F	F	F	F
	3	0.7506	75.793	T	T	F	F
THPYR_06_342	1	0.1965	73.5385	F	F	F	F
	2	0.1965	73.5211	F	F	F	F
	3	0.1965	70.8847	F	T	F	F
THPYR_06_343	1	0.1753	77.2072	F	F	F	F
	2	0.1753	71.1764	F	F	F	F
	3	0.1753	69.3271	F	F	F	F
THPYR_06_347	1	0.7042	80.605	F	F	F	F
	2	0.7042	78.5506	T	T	T	T
	3	0.7042	77.516	T	T	F	F
THPYR_06_348	1	0.5353	87.3704	T	T	F	F
	2	0.5353	82.961	T	T	F	F
	3	0.5353	73.5729	F	F	F	F
THPYR_06_349	1	0.6041	70.3631	F	F	F	F
	2	0.6041	70.3321	F	F	F	F
	3	0.6041	69.4105	F	F	F	F
THPYR_06_351	1	0.273	82.2717	F	F	F	F
	2	0.273	78.1651	T	T	T	T
	3	0.273	75.9287	F	F	F	F
THPYR_06_352	1	1.0554	77.8011	T	T	T	T
	2	1.0554	77.007	T	T	T	T
	3	1.0554	74.8355	F	F	F	F
THPYR_06_355	1	0.2092	78.3277	F	F	F	F
	2	0.2092	75.4088	F	F	F	F
	3	0.2092	75.2157	F	F	F	F
THPYR_06_365	1	1.2871	76.6891	F	F	F	F
	2	1.2871	73.8101	F	F	F	F
	3	1.2871	73.1986	F	F	F	F
THPYR_06_371	1	0.1604	81.5324	T	F	F	F
	2	0.1604	76.3736	F	F	F	F
	3	0.1604	76.0258	F	F	F	F
THPYR_06_373	1	1.5125	84.1228	T	T	T	T

	2	1.5125	73.564	F	F	F	F
	3	1.5125	73.1257	F	F	F	F
THPYR_06_377	1	0.633	75.3247	T	T	T	T
	2	0.633	74.4567	F	F	F	F
	3	0.633	74.1427	T	T	T	T
THPYR_06_385	1	1.8863	78.2268	F	F	F	F
	2	1.8863	78.1794	T	T	T	T
	3	1.8863	77.4276	F	F	F	F
THPYR_06_386	1	0.5253	85.3523	T	T	F	F
	2	0.5253	85.0538	T	T	T	T
	3	0.5253	79.9996	T	T	F	F
THPYR_06_388	1	1.1841	82.2974	T	T	F	F
	2	1.1841	79.7416	F	F	F	F
	3	1.1841	76.5066	F	F	F	F
THPYR_06_389	1	1.0529	81.9792	T	T	T	T
	2	1.0529	79.579	T	T	F	F
	3	1.0529	77.4862	T	T	F	F
THPYR_06_394	1	0.1072	82.7741	T	T	T	T
	2	0.1072	79.5366	F	F	F	F
	3	0.1072	78.7163	T	T	F	F
THPYR_06_395	1	1.9275	59.4141	F	F	F	F
	2	1.9275	59.1386	F	F	F	F
	3	1.9275	55.8241	T	T	F	F
THPYR_06_397	1	0.7887	89.8095	T	T	T	T
	2	0.7887	88.1049	T	T	F	F
	3	0.7887	78.1528	T	T	F	F
THPYR_06_399	1	0.525	90.3308	T	T	T	T
	2	0.525	83.8098	F	F	F	F
	3	0.525	81.6661	T	T	T	T
THPYR_06_400	1	0.4884	81.0537	T	T	T	T
	2	0.4884	79.168	T	F	F	F
	3	0.4884	78.8727	F	F	F	F
THPYR_06_402	1	1.0252	83.9592	T	T	T	T
	2	1.0252	82.8466	T	T	F	F
	3	1.0252	73.932	F	F	F	F
THPYR_06_403	1	0.235	78.7408	T	T	F	F
	2	0.235	77.5226	F	F	F	F
	3	0.235	73.9429	T	T	F	F
THPYR_06_407	1	0.1632	88.1077	T	T	F	F
	2	0.1632	83.0111	F	F	F	F
	3	0.1632	75.9136	F	F	F	F
THPYR_06_411	1	0.8863	80.1157	F	F	F	F
	2	0.8863	79.7342	F	F	F	F
	3	0.8863	75.6352	F	F	F	F
THPYR_06_412	1	1.7898	89.4283	T	T	T	T

	2	1.7898	89.2202	F	F	F	F
	3	1.7898	83.848	T	T	T	T
THPYR_06_413	1	0.9703	78.5633	T	T	T	T
	2	0.9703	78.474	T	T	T	T
	3	0.9703	76.5352	F	F	F	F
THPYR_06_416	1	0.8549	82.1559	F	F	F	F
	2	0.8549	79.6589	F	F	F	F
	3	0.8549	79.2823	T	T	F	F
THPYR_06_417	1	0.7567	81.4275	F	F	F	F
	2	0.7567	78.7408	F	F	F	F
	3	0.7567	77.5046	T	T	F	F
THPYR_06_418	1	0.6276	81.1183	T	T	F	F
	2	0.6276	79.1609	F	F	F	F
	3	0.6276	78.37	F	F	F	F
THPYR_06_419	1	1.409	81.4957	T	F	F	F
	2	1.409	73.493	F	F	F	F
	3	1.409	73.4786	F	F	F	F
THPYR_06_420	1	0.4956	87.2798	T	T	T	T
	2	0.4956	81.9752	T	T	T	T
	3	0.4956	80.9891	T	T	T	T
THPYR_06_426	1	0.8166	78.2973	F	F	F	F
	2	0.8166	77.1672	F	F	F	F
	3	0.8166	75.2346	F	F	F	F
THPYR_06_427	1	0.9833	82.7595	T	T	T	T
	2	0.9833	81.7326	F	F	F	F
	3	0.9833	77.9974	F	F	F	F
THPYR_06_428	1	0.8033	82.1631	F	T	F	F
	2	0.8033	80.3873	T	T	F	F
	3	0.8033	79.1695	T	T	F	F
THPYR_06_430	1	1.1744	86.2752	F	F	F	F
	2	1.1744	83.9271	T	T	T	T
	3	1.1744	83.6438	T	T	T	T

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

b) D83G_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	64.5263	T	T	F	F
	2	1.9289	62.9407	F	F	F	F
	3	1.9289	58.5678	F	F	F	F
OXBC_01_371	1	0.5026	67.6862	T	F	F	F
	2	0.5026	67.1213	T	T	F	F
	3	0.5026	63.524	F	F	F	F
OXBC_01_395	1	1.5707	50.8497	F	F	F	F
	2	1.5707	49.5308	T	T	F	F
	3	1.5707	47.2126	T	T	F	F
OXBC_02_016	1	0.4034	66.1886	F	F	F	F
	2	0.4034	64.6188	F	F	F	F
	3	0.4034	62.1698	T	T	F	F
OXBC_02_114	1	0.7967	65.1701	F	F	F	F
	2	0.7967	64.7724	T	T	F	F
	3	0.7967	64.6977	F	F	F	F
OXBC_02_184	1	1.9902	66.2245	F	F	F	F
	2	1.9902	65.302	T	T	F	F
	3	1.9902	63.5135	T	T	F	F
OXBC_02_252	1	0.2345	69.9047	F	F	F	F
	2	0.2345	63.7218	T	T	F	F
	3	0.2345	59.3656	T	T	F	F
OXBC_02_254	1	1.0812	67.3848	F	F	F	F
	2	1.0812	64.3341	T	T	T	T
	3	1.0812	64.3154	F	F	F	F
OXBC_02_284	1	1.5325	64.7892	F	F	F	F
	2	1.5325	63.9244	T	T	F	F
	3	1.5325	61.8992	F	F	F	F
OXBC_02_310	1	0.5585	68.5167	F	F	F	F
	2	0.5585	65.588	F	F	F	F
	3	0.5585	64.4559	T	T	F	F
THIND_01_030	1	0.4726	55.764	F	F	F	F
	2	0.4726	54.3531	F	F	F	F
	3	0.4726	48.8762	F	F	F	F
THIND_01_049	1	1.5639	59.5392	F	F	F	F
	2	1.5639	51.4013	F	F	F	F
	3	1.5639	47.7634	F	F	F	F
THIND_01_116	1	0.5836	56.5121	F	F	F	F
	2	0.5836	56.2477	F	F	F	F
	3	0.5836	55.8266	T	T	F	F
THIND_03_044	1	1.8382	58.545	F	F	F	F
	2	1.8382	56.1167	F	F	F	F
	3	1.8382	54.1214	F	F	F	F

THIND_03_048	1	1.0325	59.5983	F	F	F	F
	2	1.0325	59.2057	F	F	F	F
	3	1.0325	55.3054	F	F	F	F
THIND_03_131	1	0.5055	56.6265	F	F	F	F
	2	0.5055	55.0792	F	F	F	F
	3	0.5055	54.1392	F	T	F	F
THIND_03_137	1	0.338	51.1349	F	F	F	F
	2	0.338	49.7788	F	F	F	F
	3	0.338	48.4287	F	F	F	F
THIND_03_260	1	1.8076	52.8411	F	F	F	F
	2	1.8076	49.3617	F	F	F	F
	3	1.8076	47.591	F	F	F	F
THIND_03_354	1	0.7537	53.9324	F	F	F	F
	2	0.7537	53.4273	F	F	F	F
	3	0.7537	52.9634	F	F	F	F
THIND_03_369	1	1.0195	56.4277	F	F	F	F
	2	1.0195	56.2219	F	T	F	F
	3	1.0195	55.1319	F	F	F	F
THIND_03_371	1	1.159	52.3817	F	F	F	F
	2	1.159	51.9261	F	F	F	F
	3	1.159	51.1372	F	F	F	F
THIND_04_028	1	1.6916	66.1266	F	F	F	F
	2	1.6916	62.9261	F	F	F	F
	3	1.6916	62.3913	F	F	F	F
THIND_04_030	1	0.8	62.8706	F	F	F	F
	2	0.8	58.2977	F	F	F	F
	3	0.8	57.9202	F	F	F	F
THIND_04_160	1	1.0792	58.017	F	F	F	F
	2	1.0792	55.5097	F	F	F	F
	3	1.0792	54.773	F	F	F	F
THIND_04_163	1	0.6761	57.4508	F	F	F	F
	2	0.6761	56.5794	F	F	F	F
	3	0.6761	55.3014	F	F	F	F
THIND_04_211	1	0.9772	52.7861	F	F	F	F
	2	0.9772	51.6231	T	F	F	F
	3	0.9772	50.3357	F	F	F	F
THIND_04_213	1	0.9486	63.6873	F	F	F	F
	2	0.9486	59.2242	F	F	F	F
	3	0.9486	56.2968	T	F	F	F
THIND_04_260	1	1.075	63.6979	F	F	F	F
	2	1.075	57.5865	F	F	F	F
	3	1.075	57.0543	F	F	F	F
THIND_04_350	1	1.8625	64.8313	F	F	F	F
	2	1.8625	64.7688	T	F	F	F
	3	1.8625	64.1528	F	F	F	F

THIND_04_393	1	1.8694	69.591	F	F	F	F
	2	1.8694	68.9924	F	F	F	F
	3	1.8694	66.8679	F	F	F	F
THIND_04_395	1	1.2691	51.5698	F	F	F	F
	2	1.2691	51.0295	F	F	F	F
	3	1.2691	50.5064	F	F	F	F
THIND_05_105	1	1.9838	80.6009	T	T	F	F
	2	1.9838	78.6125	F	F	F	F
	3	1.9838	78.335	T	T	T	T
THIND_05_113	1	1.3772	76.5693	F	F	F	F
	2	1.3772	76.3577	F	F	F	F
	3	1.3772	75.4067	F	F	F	F
THIND_05_131	1	0.764	75.2823	F	F	F	F
	2	0.764	74.0531	F	F	F	F
	3	0.764	73.8359	F	T	F	F
THIND_05_137	1	0.4292	72.9845	F	F	F	F
	2	0.4292	72.1741	F	F	F	F
	3	0.4292	71.7175	F	F	F	F
THIND_05_260	1	0.9986	77.9258	F	F	F	F
	2	0.9986	73.0987	F	F	F	F
	3	0.9986	71.2988	F	F	F	F
THIND_05_354	1	1.0414	78.9764	F	F	F	F
	2	1.0414	78.3499	F	F	F	F
	3	1.0414	76.5277	F	F	F	F
THIND_05_355	1	1.9507	83.2904	F	F	F	F
	2	1.9507	82.5772	F	F	F	F
	3	1.9507	82.4304	F	F	F	F
THIND_05_369	1	1.358	78.6447	F	F	F	F
	2	1.358	78.5096	F	T	F	F
	3	1.358	78.3836	F	F	F	F
THIND_05_371	1	1.6372	81.5834	F	F	F	F
	2	1.6372	81.2218	F	F	F	F
	3	1.6372	79.9619	F	F	F	F
THIND_06_030	1	1.6626	77.9703	F	F	F	F
	2	1.6626	77.3084	F	F	F	F
	3	1.6626	75.1311	T	F	F	F
THIND_06_031	1	0.79	73.5015	F	F	F	F
	2	0.79	72.0079	F	F	F	F
	3	0.79	69.0753	F	F	F	F
THIND_06_047	1	1.3119	79.2787	F	F	F	F
	2	1.3119	78.8804	F	F	F	F
	3	1.3119	78.3263	F	F	F	F
THIND_06_049	1	0.4853	79.3308	F	F	F	F
	2	0.4853	76.8801	F	F	F	F
	3	0.4853	74.4827	F	F	F	F

THIND_06_050	1	0.9164	82.9774	F	F	F	F
	2	0.9164	82.6866	F	F	F	F
	3	0.9164	81.6573	F	F	F	F
THIND_06_142	1	0.9616	73.9014	F	F	F	F
	2	0.9616	72.6124	F	F	F	F
	3	0.9616	71.8487	F	F	F	F
THIND_06_187	1	0.5973	73.5103	F	F	F	F
	2	0.5973	71.6976	F	F	F	F
	3	0.5973	71.6013	F	F	F	F
THIND_06_211	1	0.2488	81.3145	T	F	F	F
	2	0.2488	79.7637	T	F	F	F
	3	0.2488	79.26	F	F	F	F
THIND_06_247	1	0.9068	68.7035	F	F	F	F
	2	0.9068	68.2575	F	F	F	F
	3	0.9068	65.0689	F	F	F	F
THIND_06_382	1	0.7084	75.239	F	F	F	F
	2	0.7084	72.1386	F	F	F	F
	3	0.7084	69.7292	F	F	F	F
THIND_07_005	1	0.7485	42.7798	F	F	F	F
	2	0.7485	41.5794	F	F	F	F
	3	0.7485	41.5059	F	T	F	F
THIND_07_023	1	1.2682	54.665	T	T	F	F
	2	1.2682	54.589	F	F	F	F
	3	1.2682	54.3755	F	F	F	F
THIND_07_048	1	1.8647	62.5779	F	F	F	F
	2	1.8647	59.8161	F	F	F	F
	3	1.8647	59.0796	F	F	F	F
THIND_07_078	1	1.7713	59.0479	F	F	F	F
	2	1.7713	57.4968	T	F	F	F
	3	1.7713	56.568	F	F	F	F
THIND_07_108	1	1.4983	62.86	T	T	F	F
	2	1.4983	56.63	F	F	F	F
	3	1.4983	55.6496	F	F	F	F
THIND_07_109	1	0.8584	60.7661	F	F	F	F
	2	0.8584	55.3896	F	F	F	F
	3	0.8584	51.5959	F	F	F	F
THIND_07_131	1	0.8545	65.3662	F	F	F	F
	2	0.8545	61.6184	F	F	F	F
	3	0.8545	56.095	F	F	F	F
THIND_07_137	1	1.5188	57.3534	F	F	F	F
	2	1.5188	53.9063	F	F	F	F
	3	1.5188	52.2386	F	F	F	F
THIND_07_140	1	1.0385	55.367	F	F	F	F
	2	1.0385	52.2624	F	F	F	F
	3	1.0385	48.919	T	T	T	T

THIND_07_171	1	0.9867	46.6796	F	F	F	F
	2	0.9867	44.9787	F	F	F	F
	3	0.9867	44.0856	F	F	F	F
THIND_07_172	1	0.6561	51.8575	F	F	F	F
	2	0.6561	48.7383	F	F	F	F
	3	0.6561	48.103	F	F	F	F
THIND_07_176	1	0.7963	59.0604	F	F	F	F
	2	0.7963	54.3831	T	T	F	F
	3	0.7963	53.1925	F	F	F	F
THIND_07_192	1	1.6769	58.9738	F	F	F	F
	2	1.6769	53.3428	F	F	F	F
	3	1.6769	53.1076	F	F	F	F
THIND_07_354	1	0.9147	70.8623	F	F	F	F
	2	0.9147	67.5894	F	F	F	F
	3	0.9147	63.1235	F	F	F	F
THIND_07_387	1	0.7932	53.9883	F	F	F	F
	2	0.7932	53.9246	F	F	F	F
	3	0.7932	51.413	F	F	F	F
THIND_08_044	1	1.4431	58.0684	F	F	F	F
	2	1.4431	56.4587	F	F	F	F
	3	1.4431	56.1158	F	F	F	F
THIND_08_048	1	0.9532	64.0667	F	F	F	F
	2	0.9532	63.2934	F	F	F	F
	3	0.9532	58.7477	F	F	F	F
THIND_08_113	1	1.9244	52.8334	F	F	F	F
	2	1.9244	50.7253	F	F	F	F
	3	1.9244	47.7318	F	F	F	F
THIND_08_131	1	1.3065	61.8966	F	T	F	F
	2	1.3065	55.7905	F	F	F	F
	3	1.3065	55.7137	F	T	F	F
THIND_08_137	1	0.3863	66.7795	F	F	F	F
	2	0.3863	57.4647	F	F	F	F
	3	0.3863	49.4091	F	F	F	F
THIND_08_279	1	1.953	69.6633	F	F	F	F
	2	1.953	65.1706	F	F	F	F
	3	1.953	62.2574	F	F	F	F
THIND_08_354	1	1.3533	59.3224	F	F	F	F
	2	1.3533	58.1541	F	F	F	F
	3	1.3533	56.3592	F	F	F	F
THIND_09_004	1	1.186	80.0356	F	F	F	F
	2	1.186	79.4397	F	F	F	F
	3	1.186	79.1816	F	F	F	F
THIND_09_005	1	0.3548	66.3513	F	F	F	F
	2	0.3548	65.9286	F	F	F	F
	3	0.3548	63.5377	F	F	F	F

THIND_09_023	1	0.9861	79.7224	F	F	F	F
	2	0.9861	78.5416	F	F	F	F
	3	0.9861	77.6144	F	F	F	F
THIND_09_055	1	1.8184	54.7393	F	F	F	F
	2	1.8184	53.2871	F	F	F	F
	3	1.8184	52.709	F	F	F	F
THIND_09_057	1	0.3286	82.1291	F	F	F	F
	2	0.3286	80.9701	F	F	F	F
	3	0.3286	75.7896	F	F	F	F
THIND_09_058	1	0.3156	79.1407	F	F	F	F
	2	0.3156	74.1891	F	F	F	F
	3	0.3156	73.4143	F	F	F	F
THIND_09_060	1	1.7583	73.3245	F	F	F	F
	2	1.7583	72.2912	F	F	F	F
	3	1.7583	71.3125	F	F	F	F
THIND_09_065	1	1.7434	64.5107	F	F	F	F
	2	1.7434	61.7438	F	F	F	F
	3	1.7434	56.684	F	F	F	F
THIND_09_090	1	1.1527	72.8722	T	T	F	F
	2	1.1527	70.1412	F	F	F	F
	3	1.1527	67.6355	F	T	F	F
THIND_09_108	1	0.9475	87.8281	F	F	F	F
	2	0.9475	80.586	F	F	F	F
	3	0.9475	77.8073	T	F	F	F
THIND_09_109	1	0.4705	67.94	T	F	F	F
	2	0.4705	67.3053	T	F	F	F
	3	0.4705	67.1573	F	F	F	F
THIND_09_113	1	0.9152	79.3952	F	F	F	F
	2	0.9152	77.2327	F	F	F	F
	3	0.9152	73.577	F	F	F	F
THIND_09_115	1	1.4743	76.3909	T	F	F	F
	2	1.4743	75.7774	T	F	F	F
	3	1.4743	75.3671	T	F	F	F
THIND_09_117	1	1.1277	84.129	F	F	F	F
	2	1.1277	77.4827	T	F	F	F
	3	1.1277	77.393	F	F	F	F
THIND_09_131	1	1.0524	80.4074	F	F	F	F
	2	1.0524	75.5439	F	T	F	F
	3	1.0524	74.0623	F	F	F	F
THIND_09_137	1	0.4097	73.667	F	F	F	F
	2	0.4097	72.7808	F	F	F	F
	3	0.4097	71.6551	F	F	F	F
THIND_09_161	1	0.7962	69.5546	F	F	F	F
	2	0.7962	68.5033	F	F	F	F
	3	0.7962	65.7886	F	F	F	F

THIND_09_163	1	0.8537	70.4716	F	F	F	F
	2	0.8537	63.0404	F	F	F	F
	3	0.8537	62.4662	F	F	F	F
THIND_09_167	1	1.9629	65.9176	F	F	F	F
	2	1.9629	65.6136	F	F	F	F
	3	1.9629	64.5721	F	F	F	F
THIND_09_171	1	1.2508	74.7417	F	F	F	F
	2	1.2508	70.0014	F	F	F	F
	3	1.2508	68.4453	F	F	F	F
THIND_09_172	1	0.8551	73.6214	F	F	F	F
	2	0.8551	65.6805	T	F	F	F
	3	0.8551	65.2375	T	F	F	F
THIND_09_173	1	1.5188	80.5087	F	F	F	F
	2	1.5188	79.3935	F	F	F	F
	3	1.5188	68.2179	F	F	F	F
THIND_09_176	1	1.1327	76.8106	F	F	F	F
	2	1.1327	75.3466	F	F	F	F
	3	1.1327	73.7627	F	F	F	F
THIND_09_179	1	1.3999	79.588	F	F	F	F
	2	1.3999	77.8507	F	F	F	F
	3	1.3999	75.8237	F	F	F	F
THIND_09_186	1	1.7931	87.0982	F	F	F	F
	2	1.7931	85.2637	F	F	F	F
	3	1.7931	80.3738	F	F	F	F
THIND_09_260	1	0.5595	73.1214	F	F	F	F
	2	0.5595	71.4231	F	F	F	F
	3	0.5595	70.2814	F	F	F	F
THIND_09_354	1	1.2365	75.8811	F	F	F	F
	2	1.2365	75.4326	F	F	F	F
	3	1.2365	74.8663	F	F	F	F
THIND_09_369	1	1.7254	80.4902	F	F	F	F
	2	1.7254	78.6192	F	T	F	F
	3	1.7254	77.2941	F	T	F	F
THIND_09_371	1	1.2996	79.6312	F	F	F	F
	2	1.2996	77.3396	F	F	F	F
	3	1.2996	77.3066	F	F	F	F
THIND_09_387	1	0.232	73.2566	F	F	F	F
	2	0.232	72.3944	F	F	F	F
	3	0.232	71.6853	T	F	F	F
THIND_10_002	1	1.4401	53.7226	F	F	F	F
	2	1.4401	52.0656	F	F	F	F
	3	1.4401	50.2509	F	F	F	F
THIND_10_044	1	1.6619	61.6212	F	F	F	F
	2	1.6619	59.2656	F	F	F	F
	3	1.6619	58.1067	F	F	F	F

THIND_10_048	1	0.8648	61.5914	F	F	F	F
	2	0.8648	61.1149	F	F	F	F
	3	0.8648	61.1013	F	F	F	F
THIND_10_113	1	1.4015	58.5462	F	F	F	F
	2	1.4015	53.4189	F	F	F	F
	3	1.4015	53.344	F	F	F	F
THIND_10_131	1	0.2951	57.5556	F	F	F	F
	2	0.2951	57.3877	F	F	F	F
	3	0.2951	57.2139	F	F	F	F
THIND_10_137	1	0.4936	56.3308	F	F	F	F
	2	0.4936	53.0225	F	F	F	F
	3	0.4936	52.1454	F	F	F	F
THIND_10_157	1	1.8197	59.5667	F	F	F	F
	2	1.8197	55.6946	T	F	F	F
	3	1.8197	52.6349	F	T	F	F
THIND_10_179	1	1.6084	59.2109	F	F	F	F
	2	1.6084	55.7629	T	F	F	F
	3	1.6084	51.7183	F	F	F	F
THIND_10_260	1	1.2797	57.7167	F	F	F	F
	2	1.2797	56.9112	F	F	F	F
	3	1.2797	53.919	F	F	F	F
THIND_10_350	1	1.6746	66.0984	F	F	F	F
	2	1.6746	53.7769	F	F	F	F
	3	1.6746	53.6201	T	F	F	F
THIND_10_354	1	0.288	65.9048	F	F	F	F
	2	0.288	64.5027	F	F	F	F
	3	0.288	60.9002	F	F	F	F
THIND_10_355	1	1.3804	57.7735	F	F	F	F
	2	1.3804	57.0251	F	F	F	F
	3	1.3804	56.9542	F	F	F	F
THIND_10_369	1	0.7827	59.983	F	F	F	F
	2	0.7827	58.8411	F	T	F	F
	3	0.7827	58.4931	F	T	T	F
THIND_10_371	1	1.561	56.0518	F	F	F	F
	2	1.561	55.7883	F	F	F	F
	3	1.561	55.7605	F	F	F	F
THIND_10_391	1	1.5599	59.2034	F	F	F	F
	2	1.5599	56.8525	F	F	F	F
	3	1.5599	56.8	F	F	F	F
THIND_12_019	1	1.8599	62.9593	T	F	F	F
	2	1.8599	60.3195	T	F	F	F
	3	1.8599	56.2912	F	F	F	F
THIND_12_020	1	1.8985	78.5311	F	F	F	F
	2	1.8985	74.5151	F	F	F	F
	3	1.8985	73.3551	F	F	F	F

THIND_12_074	1	1.8854	83.6361	F	F	F	F
	2	1.8854	81.8336	F	F	F	F
	3	1.8854	81.7971	T	T	F	F
THIND_12_076	1	0.3049	86.2897	F	F	F	F
	2	0.3049	86.0959	F	F	F	F
	3	0.3049	82.3632	F	F	F	F
THIND_12_093	1	1.2732	88.4929	F	F	F	F
	2	1.2732	86.8222	F	F	F	F
	3	1.2732	84.6494	F	F	F	F
THIND_12_107	1	0.6667	70.7301	T	F	F	F
	2	0.6667	70.5873	T	F	F	F
	3	0.6667	64.1126	T	F	F	F
THIND_12_112	1	0.148	75.99	F	F	F	F
	2	0.148	74.3339	T	T	F	F
	3	0.148	73.6469	T	F	F	F
THIND_12_144	1	0.3252	75.8508	F	F	F	F
	2	0.3252	71.5084	F	F	F	F
	3	0.3252	70.0409	F	F	F	F
THIND_12_178	1	1.7482	70.1228	F	F	F	F
	2	1.7482	69.7627	F	F	F	F
	3	1.7482	68.6563	T	T	F	F
THIND_12_182	1	0.7729	91.9944	F	F	F	F
	2	0.7729	89.9059	F	F	F	F
	3	0.7729	88.3564	F	F	F	F
THIND_12_246	1	0.9232	89.3244	F	F	F	F
	2	0.9232	87.6095	F	F	F	F
	3	0.9232	83.4461	F	F	F	F
THIND_13_019	1	0.9554	62.7586	F	F	F	F
	2	0.9554	61.2517	F	F	F	F
	3	0.9554	61.0226	F	F	F	F
THIND_13_044	1	0.5463	63.9566	F	F	F	F
	2	0.5463	59.3856	F	F	F	F
	3	0.5463	59.1234	F	F	F	F
THIND_13_080	1	1.7318	73.5331	T	T	F	F
	2	1.7318	72.795	F	F	F	F
	3	1.7318	71.9826	F	F	F	F
THIND_13_106	1	1.336	77.0397	F	F	F	F
	2	1.336	76.6627	F	F	F	F
	3	1.336	70.9326	F	F	F	F
THIND_13_145	1	1.7239	72.7428	F	F	F	F
	2	1.7239	70.6531	F	F	F	F
	3	1.7239	68.0496	F	F	F	F
THIND_13_195	1	0.472	68.4221	F	F	F	F
	2	0.472	67.9567	F	F	F	F
	3	0.472	67.5824	F	F	F	F

THIND_13_246	1	0.2419	76.0441	F	F	F	F
	2	0.2419	75.0766	F	F	F	F
	3	0.2419	73.0865	F	F	F	F
THIND_13_247	1	0.0732	80.1043	F	F	F	F
	2	0.0732	78.2755	T	T	F	F
	3	0.0732	74.9053	F	F	F	F
THIND_14_012	1	1.1405	63.9821	F	F	F	F
	2	1.1405	61.1722	F	F	F	F
	3	1.1405	58.5993	F	F	F	F
THIND_14_078	1	0.1947	62.1875	T	F	F	F
	2	0.1947	61.4128	F	F	F	F
	3	0.1947	60.9775	F	F	F	F
THIND_14_120	1	0.4672	55.1408	F	F	F	F
	2	0.4672	54.4662	F	T	F	F
	3	0.4672	54.15	F	T	F	F
THIND_14_182	1	1.3415	62.222	F	F	F	F
	2	1.3415	61.9082	F	F	F	F
	3	1.3415	60.9122	F	F	F	F
THIND_14_196	1	1.9829	54.6845	F	F	F	F
	2	1.9829	52.9431	F	F	F	F
	3	1.9829	52.269	F	F	F	F
THIND_15_004	1	0.5482	54.9692	F	F	F	F
	2	0.5482	51.6763	T	T	F	F
	3	0.5482	51.5488	T	F	F	F
THIND_15_021	1	1.7239	50.2845	T	T	F	F
	2	1.7239	50.0908	T	T	F	F
	3	1.7239	48.6336	T	T	F	F
THIND_15_028	1	0.5981	50.052	T	T	F	F
	2	0.5981	49.883	T	F	F	F
	3	0.5981	48.9163	T	T	F	F
THIND_15_030	1	0.5045	50.4283	T	T	F	F
	2	0.5045	49.7766	T	T	T	T
	3	0.5045	48.9526	F	F	F	F
THIND_15_050	1	1.2081	49.8543	F	F	F	F
	2	1.2081	47.7866	F	F	F	F
	3	1.2081	46.3402	T	T	F	F
THIND_15_105	1	0.9076	51.7765	F	F	F	F
	2	0.9076	47.0875	F	F	F	F
	3	0.9076	46.3049	T	T	F	F
THIND_15_122	1	1.4161	54.1928	T	T	F	F
	2	1.4161	53.3482	F	F	F	F
	3	1.4161	51.8472	T	T	T	T
THIND_15_133	1	0.826	50.8386	F	F	F	F
	2	0.826	49.0599	T	T	T	T
	3	0.826	48.159	F	F	F	F

THIND_15_178	1	0.719	51.8544	F	F	F	F
	2	0.719	47.6104	F	F	F	F
	3	0.719	45.8985	T	T	F	F
THIND_15_196	1	1.6177	64.4899	F	F	F	F
	2	1.6177	63.0266	F	F	F	F
	3	1.6177	58.0048	F	F	F	F
THIND_15_217	1	1.6619	51.8195	F	F	F	F
	2	1.6619	51.1473	F	F	F	F
	3	1.6619	47.2976	F	F	F	F
THIND_15_218	1	1.0493	60.177	F	F	F	F
	2	1.0493	54.2323	F	F	F	F
	3	1.0493	53.9484	F	F	F	F
THIND_15_245	1	1.7187	64.6023	F	F	F	F
	2	1.7187	64.4341	F	F	F	F
	3	1.7187	62.9562	F	F	F	F
THIND_16_078	1	0.6399	79.0817	F	F	F	F
	2	0.6399	78.8866	F	F	F	F
	3	0.6399	78.5154	F	F	F	F
THIND_16_112	1	0.8831	74.0331	F	F	F	F
	2	0.8831	71.0135	F	F	F	F
	3	0.8831	71.0089	T	T	F	F
THIND_16_118	1	0.9594	83.9817	F	F	F	F
	2	0.9594	78.3813	F	F	F	F
	3	0.9594	78.1345	F	F	F	F
THIND_16_120	1	1.731	83.1525	F	F	F	F
	2	1.731	76.7047	T	T	F	F
	3	1.731	76.1347	F	F	F	F
THIND_16_124	1	0.6086	74.8009	F	F	F	F
	2	0.6086	73.7435	T	F	F	F
	3	0.6086	69.6428	T	T	T	T
THIND_16_144	1	1.5664	74.061	F	F	F	F
	2	1.5664	72.7922	F	F	F	F
	3	1.5664	70.6982	F	F	F	F
THIND_16_246	1	1.8256	84.0569	F	F	F	F
	2	1.8256	83.3506	F	F	F	F
	3	1.8256	78.434	F	F	F	F
THIND_16_247	1	0.4882	82.3008	F	F	F	F
	2	0.4882	79.5919	F	F	F	F
	3	0.4882	74.9595	F	F	F	F
THPYR_01_017	1	1.5467	70.2334	F	F	F	F
	2	1.5467	66.6352	F	F	F	F
	3	1.5467	64.8261	T	T	F	F
THPYR_01_037	1	1.2882	71.4258	T	T	F	F
	2	1.2882	65.844	F	F	F	F
	3	1.2882	64.6377	F	F	F	F

THPYR_01_038	1	1.4142	73.3069	F	F	F	F
	2	1.4142	71.5707	F	F	F	F
	3	1.4142	69.2543	F	F	F	F
THPYR_01_082	1	1.6144	75.6162	F	F	F	F
	2	1.6144	74.9075	F	F	F	F
	3	1.6144	73.9305	F	F	F	F
THPYR_01_114	1	1.8484	75.4263	F	F	F	F
	2	1.8484	72.1837	F	F	F	F
	3	1.8484	70.3128	F	F	F	F
THPYR_01_185	1	1.6368	79.5747	F	F	F	F
	2	1.6368	75.9504	F	F	F	F
	3	1.6368	75.4582	F	F	F	F
THPYR_01_221	1	1.1416	72.6589	F	F	F	F
	2	1.1416	72.4038	F	F	F	F
	3	1.1416	71.8294	F	F	F	F
THPYR_01_226	1	1.2735	73.7926	F	F	F	F
	2	1.2735	68.7342	F	F	F	F
	3	1.2735	66.5368	F	F	F	F
THPYR_01_227	1	0.5581	69.8292	F	F	F	F
	2	0.5581	67.3827	F	F	F	F
	3	0.5581	67.2546	F	F	F	F
THPYR_01_233	1	0.5864	71.4746	F	F	F	F
	2	0.5864	70.253	F	F	F	F
	3	0.5864	69.2185	F	F	F	F
THPYR_01_276	1	1.7775	70.6717	F	F	F	F
	2	1.7775	69.0693	F	F	F	F
	3	1.7775	65.9022	F	F	F	F
THPYR_01_303	1	1.4801	73.0738	F	F	F	F
	2	1.4801	71.1068	F	F	F	F
	3	1.4801	70.4756	F	F	F	F
THPYR_01_315	1	1.6649	76.5129	F	F	F	F
	2	1.6649	75.1005	F	F	F	F
	3	1.6649	73.4679	F	F	F	F
THPYR_01_329	1	0.6343	81.3924	F	F	F	F
	2	0.6343	72.9142	T	T	F	F
	3	0.6343	70.9976	F	F	F	F
THPYR_01_378	1	1.9059	75.4988	F	F	F	F
	2	1.9059	72.1041	F	F	F	F
	3	1.9059	71.6285	F	F	F	F
THPYR_01_386	1	1.0617	81.1958	T	T	F	F
	2	1.0617	79.2223	F	F	F	F
	3	1.0617	74.6147	F	F	F	F
THPYR_01_416	1	1.627	78.2986	F	F	F	F
	2	1.627	73.1702	F	F	F	F
	3	1.627	72.215	F	F	F	F

THPYR_01_417	1	1.3311	73.5625	F	F	F	F
	2	1.3311	69.8369	F	F	F	F
	3	1.3311	66.7464	F	F	F	F
THPYR_01_420	1	0.6811	78.348	T	T	F	F
	2	0.6811	76.8135	T	T	T	T
	3	0.6811	76.5469	F	F	F	F
THPYR_01_428	1	1.1342	79.1094	F	F	F	F
	2	1.1342	74.0962	F	F	F	F
	3	1.1342	73.3834	F	F	F	F
THPYR_01_429	1	1.5104	82.4131	F	F	F	F
	2	1.5104	79.1918	F	F	F	F
	3	1.5104	73.6173	F	F	F	F
THPYR_02_002	1	0.8239	76.4058	F	T	F	F
	2	0.8239	76.128	T	T	F	F
	3	0.8239	75.726	F	F	F	F
THPYR_02_009	1	1.2882	79.7735	T	T	T	T
	2	1.2882	72.544	T	T	F	F
	3	1.2882	71.2701	T	F	F	F
THPYR_02_037	1	1.9516	70.7294	T	F	F	F
	2	1.9516	69.8931	F	F	F	F
	3	1.9516	67.4224	F	F	F	F
THPYR_02_049	1	0.3883	82.5461	F	F	F	F
	2	0.3883	76.3601	F	F	F	F
	3	0.3883	74.128	F	F	F	F
THPYR_02_060	1	0.4382	74.0137	T	T	F	F
	2	0.4382	72.4494	F	F	F	F
	3	0.4382	67.1655	F	F	F	F
THPYR_02_125	1	0.5369	74.247	T	T	T	T
	2	0.5369	65.8294	F	F	F	F
	3	0.5369	64.8264	F	F	F	F
THPYR_02_148	1	1.1698	78.7687	T	T	T	T
	2	1.1698	77.6748	T	F	F	F
	3	1.1698	73.4681	T	T	F	F
THPYR_02_157	1	0.6642	80.8171	F	F	F	F
	2	0.6642	77.7265	F	F	F	F
	3	0.6642	76.7421	F	F	F	F
THPYR_02_187	1	0.5665	72.9933	F	F	F	F
	2	0.5665	69.5103	F	F	F	F
	3	0.5665	66.6054	F	F	F	F
THPYR_02_188	1	1.3583	60.9256	F	F	F	F
	2	1.3583	60.6602	F	F	F	F
	3	1.3583	60.4597	F	F	F	F
THPYR_02_219	1	1.8005	76.8591	F	F	F	F
	2	1.8005	74.5851	F	F	F	F
	3	1.8005	73.1988	F	F	F	F

THPYR_02_221	1	1.6661	75.5266	F	F	F	F
	2	1.6661	74.3201	T	T	F	F
	3	1.6661	72.4596	F	F	F	F
THPYR_02_226	1	1.7632	77.2938	F	F	F	F
	2	1.7632	74.9346	F	F	F	F
	3	1.7632	69.7393	F	F	F	F
THPYR_02_233	1	1.6406	78.688	F	F	F	F
	2	1.6406	74.94	F	F	F	F
	3	1.6406	74.266	T	T	F	F
THPYR_02_279	1	1.5563	80.7254	T	T	F	F
	2	1.5563	75.5868	F	F	F	F
	3	1.5563	74.9988	F	F	F	F
THPYR_02_316	1	0.4992	76.5518	T	T	T	T
	2	0.4992	75.4887	T	T	F	F
	3	0.4992	71.1225	F	F	F	F
THPYR_02_329	1	1.842	75.1912	F	F	F	F
	2	1.842	73.2368	T	T	T	T
	3	1.842	72.9529	F	F	F	F
THPYR_02_342	1	1.4911	70.4371	F	F	F	F
	2	1.4911	68.7733	F	F	F	F
	3	1.4911	66.4316	T	F	F	F
THPYR_02_343	1	0.5391	74.259	F	F	F	F
	2	0.5391	74.0454	F	F	F	F
	3	0.5391	67.0271	F	T	F	F
THPYR_02_349	1	1.6237	82.1786	F	F	F	F
	2	1.6237	71.2532	T	F	F	F
	3	1.6237	69.7983	T	T	F	F
THPYR_02_351	1	0.7554	71.5402	F	F	F	F
	2	0.7554	70.9197	T	T	T	T
	3	0.7554	67.8123	F	F	F	F
THPYR_02_355	1	1.4371	77.3466	F	F	F	F
	2	1.4371	74.8869	T	T	F	F
	3	1.4371	72.8866	F	F	F	F
THPYR_02_371	1	1.6248	76.1811	F	F	F	F
	2	1.6248	75.8383	F	F	F	F
	3	1.6248	74.4332	F	F	F	F
THPYR_02_389	1	0.7659	71.0366	F	F	F	F
	2	0.7659	69.4749	F	F	F	F
	3	0.7659	66.2681	F	F	F	F
THPYR_02_400	1	1.9629	73.2132	F	F	F	F
	2	1.9629	72.6974	F	F	F	F
	3	1.9629	72.1386	T	T	F	F
THPYR_02_407	1	0.7954	75.17	F	F	F	F
	2	0.7954	70.9121	F	F	F	F
	3	0.7954	69.6854	F	F	F	F

THPYR_02_420	1	1.3684	78.3733	F	F	F	F
	2	1.3684	77.7609	F	F	F	F
	3	1.3684	75.0128	T	T	F	F
THPYR_02_426	1	1.3737	80.9298	F	F	F	F
	2	1.3737	74.2555	F	F	F	F
	3	1.3737	71.9499	T	T	T	T
THPYR_03_002	1	0.6013	74.9049	T	F	F	F
	2	0.6013	73.5627	F	F	F	F
	3	0.6013	72.039	F	T	F	F
THPYR_03_009	1	1.3384	78.6279	T	T	F	F
	2	1.3384	77.9252	F	F	F	F
	3	1.3384	76.5529	F	F	F	F
THPYR_03_029	1	1.0563	75.744	F	F	F	F
	2	1.0563	70.897	F	F	F	F
	3	1.0563	69.2901	F	F	F	F
THPYR_03_034	1	0.5625	60.9029	T	T	T	T
	2	0.5625	60.2755	T	T	T	T
	3	0.5625	57.8553	F	F	F	F
THPYR_03_049	1	0.1932	78.5722	F	F	F	F
	2	0.1932	77.5559	F	F	F	F
	3	0.1932	76.5252	F	F	F	F
THPYR_03_050	1	1.5696	80.0136	F	F	F	F
	2	1.5696	78.1885	F	F	F	F
	3	1.5696	78.1257	F	F	F	F
THPYR_03_051	1	1.9449	77.3584	F	F	F	F
	2	1.9449	75.0166	T	F	F	F
	3	1.9449	74.6512	F	F	F	F
THPYR_03_060	1	0.3237	74.6019	T	T	F	F
	2	0.3237	72.1868	T	T	F	F
	3	0.3237	69.1024	F	F	F	F
THPYR_03_072	1	1.0259	76.6413	F	F	F	F
	2	1.0259	75.6439	F	F	F	F
	3	1.0259	75.5373	F	F	F	F
THPYR_03_076	1	1.9191	75.1412	T	T	F	F
	2	1.9191	74.8786	F	F	F	F
	3	1.9191	74.0497	F	F	F	F
THPYR_03_081	1	0.9929	74.4017	T	T	T	T
	2	0.9929	72.6562	F	F	F	F
	3	0.9929	71.5801	F	F	F	F
THPYR_03_082	1	0.5311	78.4749	F	F	F	F
	2	0.5311	77.2248	F	F	F	F
	3	0.5311	72.4375	F	F	F	F
THPYR_03_083	1	0.83	72.6797	F	F	F	F
	2	0.83	71.7845	F	F	F	F
	3	0.83	70.4177	F	F	F	F

THPYR_03_114	1	1.8446	77.3798	F	F	F	F
	2	1.8446	75.3876	F	F	F	F
	3	1.8446	74.3446	F	F	F	F
THPYR_03_125	1	0.4562	78.587	T	T	F	F
	2	0.4562	73.3525	F	F	F	F
	3	0.4562	71.4332	F	F	F	F
THPYR_03_148	1	0.3077	75.3599	T	T	F	F
	2	0.3077	74.6712	T	F	F	F
	3	0.3077	74.3523	F	F	F	F
THPYR_03_156	1	1.8552	75.4868	F	F	F	F
	2	1.8552	75.2012	F	F	F	F
	3	1.8552	74.7034	F	F	F	F
THPYR_03_157	1	0.4815	77.7897	F	T	F	F
	2	0.4815	77.7108	F	F	F	F
	3	0.4815	77.4815	F	F	F	F
THPYR_03_178	1	0.7602	9.6346	F	F	F	F
	2	0.7602	6.2534	F	F	F	F
	3	0.7602	6.2036	F	F	F	F
THPYR_03_185	1	1.9329	79.2434	F	F	F	F
	2	1.9329	79.2358	F	F	F	F
	3	1.9329	75.4028	F	F	F	F
THPYR_03_187	1	0.2174	69.2129	F	F	F	F
	2	0.2174	68.7667	F	F	F	F
	3	0.2174	65.9818	F	F	F	F
THPYR_03_221	1	1.0799	81.975	T	T	F	F
	2	1.0799	79.2315	F	F	F	F
	3	1.0799	76.284	F	F	F	F
THPYR_03_222	1	1.9783	75.5086	F	F	F	F
	2	1.9783	72.2942	T	T	T	T
	3	1.9783	71.4082	F	F	F	F
THPYR_03_223	1	1.5314	75.4696	F	F	F	F
	2	1.5314	74.9651	T	T	F	F
	3	1.5314	74.373	F	F	F	F
THPYR_03_226	1	1.0787	74.912	T	T	F	F
	2	1.0787	72.3372	F	F	F	F
	3	1.0787	71.8093	F	F	F	F
THPYR_03_227	1	1.6908	76.3436	F	F	F	F
	2	1.6908	71.795	T	T	F	F
	3	1.6908	71.605	T	T	F	F
THPYR_03_233	1	1.4666	78.2097	F	F	F	F
	2	1.4666	76.6275	F	F	F	F
	3	1.4666	73.4484	F	F	F	F
THPYR_03_276	1	1.5413	72.0548	F	F	F	F
	2	1.5413	68.7938	F	F	F	F
	3	1.5413	66.8504	F	F	F	F

THPYR_03_316	1	0.4337	77.3304	F	F	F	F
	2	0.4337	73.2717	F	F	F	F
	3	0.4337	72.743	T	T	T	T
THPYR_03_329	1	0.7251	79.3211	F	F	F	F
	2	0.7251	72.0311	T	T	F	F
	3	0.7251	69.1381	T	T	F	F
THPYR_03_342	1	0.979	81.151	F	F	F	F
	2	0.979	76.9968	F	F	F	F
	3	0.979	75.4427	F	F	F	F
THPYR_03_343	1	1.4723	75.5945	F	F	F	F
	2	1.4723	74.9536	F	F	F	F
	3	1.4723	74.3815	F	F	F	F
THPYR_03_351	1	1.8932	82.6344	F	F	F	F
	2	1.8932	76.4124	F	F	F	F
	3	1.8932	74.7867	T	T	F	F
THPYR_03_369	1	1.7628	83.3333	F	T	F	F
	2	1.7628	82.6462	F	F	F	F
	3	1.7628	82.6229	F	F	F	F
THPYR_03_372	1	1.9584	74.8662	T	T	F	F
	2	1.9584	73.9682	F	F	F	F
	3	1.9584	73.0344	T	T	F	F
THPYR_03_389	1	0.5912	72.8716	F	F	F	F
	2	0.5912	71.9793	F	F	F	F
	3	0.5912	70.8187	F	F	F	F
THPYR_03_394	1	1.406	80.1596	F	F	F	F
	2	1.406	79.2323	T	T	T	T
	3	1.406	78.0217	F	F	F	F
THPYR_03_407	1	0.756	80.4165	T	T	F	F
	2	0.756	76.6931	T	T	F	F
	3	0.756	74.5338	F	F	F	F
THPYR_03_420	1	1.6155	81.3901	F	F	F	F
	2	1.6155	78.9124	F	F	F	F
	3	1.6155	77.2963	F	F	F	F
THPYR_03_426	1	1.3912	76.3168	F	F	F	F
	2	1.3912	70.7429	F	F	F	F
	3	1.3912	70.4494	F	F	F	F
THPYR_04_001	1	1.0877	77.2983	F	F	F	F
	2	1.0877	76.3857	F	F	F	F
	3	1.0877	75.3831	F	F	F	F
THPYR_04_002	1	0.1408	74.1579	F	F	F	F
	2	0.1408	73.9826	F	T	F	F
	3	0.1408	72.7244	F	F	F	F
THPYR_04_009	1	0.3174	82.3385	F	F	F	F
	2	0.3174	78.8581	F	F	F	F
	3	0.3174	77.4931	T	T	T	T

THPYR_04_015	1	1.2156	76.5831	F	F	F	F
	2	1.2156	75.306	F	F	F	F
	3	1.2156	74.425	F	F	F	F
THPYR_04_016	1	0.4367	75.3604	F	F	F	F
	2	0.4367	73.4539	T	T	F	F
	3	0.4367	69.6056	F	F	F	F
THPYR_04_017	1	0.7434	70.8945	T	T	F	F
	2	0.7434	69.5746	F	F	F	F
	3	0.7434	60.3643	F	F	F	F
THPYR_04_037	1	1.2615	77.2014	F	F	F	F
	2	1.2615	74.412	F	F	F	F
	3	1.2615	74.0692	F	F	F	F
THPYR_04_038	1	1.8429	76.8239	F	F	F	F
	2	1.8429	75.9429	F	F	F	F
	3	1.8429	73.718	F	F	F	F
THPYR_04_039	1	0.2929	72.5686	T	T	F	F
	2	0.2929	68.1222	F	F	F	F
	3	0.2929	65.8824	F	F	F	F
THPYR_04_047	1	0.8523	76.683	F	F	F	F
	2	0.8523	76.1095	F	F	F	F
	3	0.8523	75.8044	F	F	F	F
THPYR_04_048	1	0.705	81.2304	F	F	F	F
	2	0.705	79.2006	F	F	F	F
	3	0.705	77.9238	F	F	F	F
THPYR_04_052	1	0.4089	78.8396	F	F	F	F
	2	0.4089	77.9269	F	F	F	F
	3	0.4089	77.2383	F	F	F	F
THPYR_04_059	1	1.3176	61.697	T	T	F	F
	2	1.3176	61.2833	F	F	F	F
	3	1.3176	60.5213	F	F	F	F
THPYR_04_060	1	0.0061	80.8148	F	F	F	F
	2	0.0061	74.337	T	T	F	F
	3	0.0061	72.4896	F	F	F	F
THPYR_04_072	1	0.6965	78.44	F	F	F	F
	2	0.6965	74.3205	F	F	F	F
	3	0.6965	72.69	F	F	F	F
THPYR_04_076	1	1.1148	76.7547	F	F	F	F
	2	1.1148	75.2479	F	F	F	F
	3	1.1148	74.2085	F	F	F	F
THPYR_04_077	1	1.5535	75.8768	F	F	F	F
	2	1.5535	72.1293	F	F	F	F
	3	1.5535	71.708	F	F	F	F
THPYR_04_081	1	0.508	72.9324	T	T	F	F
	2	0.508	71.1899	F	F	F	F
	3	0.508	69.9714	F	T	F	F

THPYR_04_082	1	0.263	73.0792	F	F	F	F
	2	0.263	72.7526	F	F	F	F
	3	0.263	71.3018	F	F	F	F
THPYR_04_083	1	0.3479	78.07	T	T	T	T
	2	0.3479	73.6684	F	F	F	F
	3	0.3479	73.479	F	F	F	F
THPYR_04_106	1	0.2966	79.6559	F	F	F	F
	2	0.2966	75.8379	T	T	F	F
	3	0.2966	75.3827	F	F	F	F
THPYR_04_114	1	1.1374	76.0818	F	F	F	F
	2	1.1374	75.3266	F	F	F	F
	3	1.1374	73.4926	T	T	F	F
THPYR_04_144	1	1.1593	76.5188	F	F	F	F
	2	1.1593	76.2479	F	F	F	F
	3	1.1593	73.8405	F	F	F	F
THPYR_04_146	1	1.7571	76.6582	F	F	F	F
	2	1.7571	71.2105	F	F	F	F
	3	1.7571	70.8615	F	F	F	F
THPYR_04_147	1	1.8906	75.5372	F	F	F	F
	2	1.8906	74.6521	F	F	F	F
	3	1.8906	66.4232	F	F	F	F
THPYR_04_150	1	0.8381	83.0897	F	F	F	F
	2	0.8381	82.0986	F	F	F	F
	3	0.8381	77.4556	F	F	F	F
THPYR_04_152	1	0.2439	77.1938	F	F	F	F
	2	0.2439	74.7186	F	F	F	F
	3	0.2439	73.5343	F	F	F	F
THPYR_04_156	1	0.3486	75.3766	F	T	F	F
	2	0.3486	74.5022	F	T	F	F
	3	0.3486	74.335	F	T	F	F
THPYR_04_185	1	0.8188	76.9976	F	F	F	F
	2	0.8188	75.7606	T	T	F	F
	3	0.8188	75.2046	T	T	T	T
THPYR_04_205	1	1.9055	82.4903	F	F	F	F
	2	1.9055	80.2073	F	F	F	F
	3	1.9055	80.1325	F	F	F	F
THPYR_04_217	1	0.6525	77.0445	F	F	F	F
	2	0.6525	65.9587	F	F	F	F
	3	0.6525	65.5191	F	F	F	F
THPYR_04_218	1	1.6792	73.995	F	F	F	F
	2	1.6792	72.4595	F	F	F	F
	3	1.6792	71.7062	F	F	F	F
THPYR_04_221	1	0.2332	79.6312	F	F	F	F
	2	0.2332	75.4187	F	F	F	F
	3	0.2332	74.7629	F	F	F	F

THPYR_04_222	1	1.0755	75.6411	T	T	F	F
	2	1.0755	75.0388	F	F	F	F
	3	1.0755	74.6662	F	F	F	F
THPYR_04_223	1	0.808	73.9142	F	F	F	F
	2	0.808	71.7147	F	F	F	F
	3	0.808	70.0108	F	F	F	F
THPYR_04_226	1	0.1401	72.7107	T	T	F	F
	2	0.1401	70.2999	F	F	F	F
	3	0.1401	66.4131	F	F	F	F
THPYR_04_227	1	0.1621	76.6102	F	F	F	F
	2	0.1621	72.1512	F	F	F	F
	3	0.1621	71.3335	F	F	F	F
THPYR_04_233	1	0.1896	80.602	F	F	F	F
	2	0.1896	78.3942	F	F	F	F
	3	0.1896	74.1906	T	T	F	F
THPYR_04_234	1	1.1623	73.273	F	F	F	F
	2	1.1623	71.1528	F	F	F	F
	3	1.1623	70.6678	F	F	F	F
THPYR_04_237	1	0.4065	82.6623	F	F	F	F
	2	0.4065	75.7542	F	F	F	F
	3	0.4065	72.709	T	T	F	F
THPYR_04_241	1	0.8285	75.5537	F	F	F	F
	2	0.8285	74.4414	F	F	F	F
	3	0.8285	74.2361	F	F	F	F
THPYR_04_251	1	0.2966	74.9816	F	F	F	F
	2	0.2966	73.4808	F	F	F	F
	3	0.2966	71.7713	F	F	F	F
THPYR_04_252	1	0.4094	76.0223	F	F	F	F
	2	0.4094	73.2791	T	T	F	F
	3	0.4094	71.3375	F	F	F	F
THPYR_04_253	1	1.3999	73.7854	T	T	F	F
	2	1.3999	71.1431	F	F	F	F
	3	1.3999	67.5537	F	F	F	F
THPYR_04_267	1	1.3552	80.4246	F	F	F	F
	2	1.3552	74.6949	F	F	F	F
	3	1.3552	73.4147	F	F	F	F
THPYR_04_274	1	1.113	75.9597	F	F	F	F
	2	1.113	73.2412	F	F	F	F
	3	1.113	72.4899	F	F	F	F
THPYR_04_275	1	1.6665	80.9412	F	F	F	F
	2	1.6665	76.5411	F	F	F	F
	3	1.6665	72.9301	F	F	F	F
THPYR_04_276	1	0.4134	69.1978	T	T	F	F
	2	0.4134	68.7652	F	F	F	F
	3	0.4134	67.7175	F	F	F	F

THPYR_04_278	1	0.2612	77.9434	F	F	F	F
	2	0.2612	74.4192	T	T	F	F
	3	0.2612	72.2145	F	F	F	F
THPYR_04_279	1	0.4064	76.0995	F	F	F	F
	2	0.4064	74.035	F	F	F	F
	3	0.4064	73.8228	F	F	F	F
THPYR_04_294	1	1.0271	81.9942	F	F	F	F
	2	1.0271	74.8321	T	T	F	F
	3	1.0271	72.9812	F	F	F	F
THPYR_04_297	1	1.158	81.6116	F	F	F	F
	2	1.158	79.0961	F	F	F	F
	3	1.158	78.1196	F	F	F	F
THPYR_04_304	1	0.6372	76.7051	F	F	F	F
	2	0.6372	74.7005	F	T	F	F
	3	0.6372	73.3205	F	F	F	F
THPYR_04_310	1	0.3311	74.3519	F	F	F	F
	2	0.3311	73.2697	T	T	F	F
	3	0.3311	71.5218	T	T	F	F
THPYR_04_325	1	1.2612	77.3949	F	F	F	F
	2	1.2612	77.1638	F	F	F	F
	3	1.2612	74.3075	T	T	T	T
THPYR_04_329	1	0.349	76.9995	F	F	F	F
	2	0.349	74.8695	F	F	F	F
	3	0.349	69.1557	F	F	F	F
THPYR_04_331	1	1.7474	77.2423	F	F	F	F
	2	1.7474	73.8565	F	F	F	F
	3	1.7474	72.8538	F	F	F	F
THPYR_04_342	1	0.2726	78.9173	F	F	F	F
	2	0.2726	75.1333	F	F	F	F
	3	0.2726	72.4536	F	F	F	F
THPYR_04_343	1	0.2147	80.355	F	F	F	F
	2	0.2147	70.2864	F	F	F	F
	3	0.2147	68.9607	F	F	F	F
THPYR_04_344	1	1.5177	73.427	T	T	F	F
	2	1.5177	71.9789	F	F	F	F
	3	1.5177	69.1965	F	F	F	F
THPYR_04_346	1	1.8072	71.115	F	F	F	F
	2	1.8072	68.6972	F	F	F	F
	3	1.8072	66.619	F	F	F	F
THPYR_04_349	1	0.4256	79.8013	F	F	F	F
	2	0.4256	78.1717	F	F	F	F
	3	0.4256	75.8676	F	F	F	F
THPYR_04_351	1	0.2738	75.3514	F	F	F	F
	2	0.2738	75.1726	F	F	F	F
	3	0.2738	74.058	F	F	F	F

THPYR_04_355	1	0.1931	79.3211	F	F	F	F
	2	0.1931	77.4228	F	F	F	F
	3	0.1931	76.0822	F	F	F	F
THPYR_04_365	1	0.6769	82.1902	T	T	F	F
	2	0.6769	75.1578	F	F	F	F
	3	0.6769	73.4258	F	F	F	F
THPYR_04_371	1	0.0938	79.4746	F	F	F	F
	2	0.0938	79.1106	F	F	F	F
	3	0.0938	72.8888	F	F	F	F
THPYR_04_372	1	1.1628	73.5378	F	F	F	F
	2	1.1628	72.6954	F	F	F	F
	3	1.1628	72.4392	F	F	F	F
THPYR_04_373	1	1.3164	74.0325	F	F	F	F
	2	1.3164	72.5341	F	F	F	F
	3	1.3164	72.4388	F	F	F	F
THPYR_04_377	1	1.0967	74.3041	F	F	F	F
	2	1.0967	73.7675	T	T	F	F
	3	1.0967	71.6484	T	T	T	T
THPYR_04_378	1	1.2537	75.3418	F	F	F	F
	2	1.2537	75.1707	F	F	F	F
	3	1.2537	72.5038	F	F	F	F
THPYR_04_385	1	1.5191	71.9144	F	F	F	F
	2	1.5191	71.5967	F	F	F	F
	3	1.5191	71.1803	F	F	F	F
THPYR_04_386	1	0.7762	73.257	F	F	F	F
	2	0.7762	70.4042	F	F	F	F
	3	0.7762	70.1998	F	F	F	F
THPYR_04_388	1	1.3449	76.1063	F	F	F	F
	2	1.3449	75.6402	F	F	F	F
	3	1.3449	73.7492	F	F	F	F
THPYR_04_389	1	0.2639	83.1718	F	F	F	F
	2	0.2639	75.7006	F	F	F	F
	3	0.2639	74.931	F	F	F	F
THPYR_04_394	1	0.2165	77.9453	T	T	F	F
	2	0.2165	77.3193	T	T	T	T
	3	0.2165	77.2487	F	F	F	F
THPYR_04_397	1	0.8449	79.4869	F	F	F	F
	2	0.8449	76.8741	T	T	F	F
	3	0.8449	73.3019	F	F	F	F
THPYR_04_398	1	1.6218	77.4096	F	F	F	F
	2	1.6218	76.8286	F	F	F	F
	3	1.6218	75.4592	F	F	F	F
THPYR_04_399	1	0.6009	75.1193	F	F	F	F
	2	0.6009	72.0508	F	F	F	F
	3	0.6009	70.9026	F	F	F	F

THPYR_04_400	1	0.4226	82.5599	F	F	F	F
	2	0.4226	77.0557	F	F	F	F
	3	0.4226	72.7566	F	F	F	F
THPYR_04_402	1	0.8796	76.5554	F	F	F	F
	2	0.8796	73.4266	F	F	F	F
	3	0.8796	70.1137	F	F	F	F
THPYR_04_403	1	0.2495	74.9716	F	F	F	F
	2	0.2495	69.9286	F	F	F	F
	3	0.2495	69.5067	F	F	F	F
THPYR_04_407	1	0.1234	76.6592	T	T	T	T
	2	0.1234	74.6125	F	F	F	F
	3	0.1234	72.6464	F	F	F	F
THPYR_04_411	1	0.9596	88.178	F	F	F	F
	2	0.9596	73.2504	F	F	F	F
	3	0.9596	72.3037	F	F	F	F
THPYR_04_412	1	0.8498	88.9947	F	F	F	F
	2	0.8498	80.1312	F	F	F	F
	3	0.8498	75.5533	F	F	F	F
THPYR_04_413	1	0.9253	77.8856	F	F	F	F
	2	0.9253	73.9919	F	F	F	F
	3	0.9253	73.181	F	F	F	F
THPYR_04_416	1	1.4962	76.1241	F	F	F	F
	2	1.4962	73.8948	F	F	F	F
	3	1.4962	72.6425	F	F	F	F
THPYR_04_417	1	1.2604	76.6348	F	F	F	F
	2	1.2604	75.7541	T	T	F	F
	3	1.2604	72.4199	T	F	F	F
THPYR_04_418	1	0.7271	72.9871	F	F	F	F
	2	0.7271	72.4339	T	F	F	F
	3	0.7271	71.5908	F	F	F	F
THPYR_04_419	1	0.9587	82.9472	F	F	F	F
	2	0.9587	69.1864	F	F	F	F
	3	0.9587	67.564	F	F	F	F
THPYR_04_420	1	0.3683	73.0663	F	F	F	F
	2	0.3683	72.8472	T	T	F	F
	3	0.3683	72.5809	F	F	F	F
THPYR_04_426	1	0.4376	78.9454	F	F	F	F
	2	0.4376	71.7668	F	F	F	F
	3	0.4376	70.408	F	F	F	F
THPYR_04_427	1	0.6003	78.8494	F	F	F	F
	2	0.6003	75.1967	F	F	F	F
	3	0.6003	73.6701	F	F	F	F
THPYR_04_428	1	0.5416	80.6795	F	F	F	F
	2	0.5416	77.6502	T	T	F	F
	3	0.5416	77.3127	T	T	T	T

THPYR_04_429	1	0.9694	79.1526	F	F	F	F
	2	0.9694	78.372	F	F	F	F
	3	0.9694	78.0035	F	F	F	F
THPYR_04_430	1	0.8722	82.2881	F	F	F	F
	2	0.8722	81.0037	F	F	F	F
	3	0.8722	77.7916	F	F	F	F
THPYR_05_001	1	1.2776	77.4683	F	F	F	F
	2	1.2776	73.1658	F	F	F	F
	3	1.2776	72.8552	F	F	F	F
THPYR_05_002	1	0.1285	81.1802	F	F	F	F
	2	0.1285	76.3876	F	F	F	F
	3	0.1285	75.3228	F	F	F	F
THPYR_05_009	1	0.2442	78.9814	T	T	T	T
	2	0.2442	71.9949	F	F	F	F
	3	0.2442	71.1225	F	F	F	F
THPYR_05_015	1	1.1923	77.1802	F	F	F	F
	2	1.1923	76.135	F	F	F	F
	3	1.1923	73.6583	F	F	F	F
THPYR_05_016	1	0.5596	81.5854	F	F	F	F
	2	0.5596	80.4685	F	F	F	F
	3	0.5596	76.3574	T	T	F	F
THPYR_05_017	1	0.842	64.1287	T	T	F	F
	2	0.842	63.7672	F	F	F	F
	3	0.842	60.6965	F	F	F	F
THPYR_05_037	1	0.7495	81.0887	F	F	F	F
	2	0.7495	80.6431	F	F	F	F
	3	0.7495	79.708	F	F	F	F
THPYR_05_038	1	1.1122	77.5271	T	T	F	F
	2	1.1122	70.9933	F	F	F	F
	3	1.1122	65.2051	F	F	F	F
THPYR_05_039	1	0.2336	82.424	F	F	F	F
	2	0.2336	76.5576	F	F	F	F
	3	0.2336	76.4876	T	T	F	F
THPYR_05_041	1	1.5438	73.2246	F	F	F	F
	2	1.5438	71.3777	F	F	F	F
	3	1.5438	70.8676	F	F	F	F
THPYR_05_047	1	1.3709	79.128	F	T	F	F
	2	1.3709	78.7699	F	F	F	F
	3	1.3709	75.1863	F	F	F	F
THPYR_05_048	1	0.9605	77.5436	F	F	F	F
	2	0.9605	77.0779	F	F	F	F
	3	0.9605	77.02	F	F	F	F
THPYR_05_052	1	0.6446	77.6157	F	F	F	F
	2	0.6446	75.3343	T	T	F	F
	3	0.6446	73.8049	F	F	F	F

THPYR_05_059	1	1.3568	61.8653	F	F	F	F
	2	1.3568	59.545	F	F	F	F
	3	1.3568	58.3063	T	T	F	F
THPYR_05_060	1	0.0061	72.6399	F	F	F	F
	2	0.0061	71.1657	F	F	F	F
	3	0.0061	67.8209	F	F	F	F
THPYR_05_072	1	0.6961	77.701	F	F	F	F
	2	0.6961	76.3332	F	F	F	F
	3	0.6961	75.0842	F	F	F	F
THPYR_05_076	1	1.1598	76.3131	F	F	F	F
	2	1.1598	74.0499	F	F	F	F
	3	1.1598	73.5582	T	F	F	F
THPYR_05_077	1	1.191	77.3623	F	F	F	F
	2	1.191	74.7968	F	F	F	F
	3	1.191	70.527	F	F	F	F
THPYR_05_081	1	0.544	78.2039	F	F	F	F
	2	0.544	74.8698	F	F	F	F
	3	0.544	74.1001	F	F	F	F
THPYR_05_082	1	0.2353	73.9344	F	F	F	F
	2	0.2353	71.9146	F	F	F	F
	3	0.2353	69.7225	F	F	F	F
THPYR_05_083	1	0.3326	75.2329	F	F	F	F
	2	0.3326	74.6719	F	F	F	F
	3	0.3326	74.3115	T	T	F	F
THPYR_05_106	1	0.3126	83.3545	F	F	F	F
	2	0.3126	76.9065	T	T	T	T
	3	0.3126	75.779	F	F	F	F
THPYR_05_114	1	1.1918	74.73	F	F	F	F
	2	1.1918	74.3746	F	F	F	F
	3	1.1918	72.1785	F	F	F	F
THPYR_05_144	1	1.0718	72.6861	F	F	F	F
	2	1.0718	72.311	F	F	F	F
	3	1.0718	71.2792	F	F	F	F
THPYR_05_146	1	1.5585	73.6017	F	F	F	F
	2	1.5585	71.6003	F	F	F	F
	3	1.5585	71.316	F	F	F	F
THPYR_05_150	1	0.8209	84.6342	F	F	F	F
	2	0.8209	82.7744	F	F	F	F
	3	0.8209	80.1893	F	F	F	F
THPYR_05_152	1	0.3065	81.443	F	F	F	F
	2	0.3065	79.9224	F	F	F	F
	3	0.3065	77.8177	F	F	F	F
THPYR_05_156	1	0.3144	79.2524	F	F	F	F
	2	0.3144	76.9147	F	F	F	F
	3	0.3144	75.8968	F	F	F	F

THPYR_05_182	1	1.8488	77.7544	F	F	F	F
	2	1.8488	74.6426	F	F	F	F
	3	1.8488	70.6982	F	F	F	F
THPYR_05_185	1	0.9667	74.628	T	T	T	T
	2	0.9667	73.9252	F	F	F	F
	3	0.9667	71.2147	T	T	T	T
THPYR_05_189	1	1.3113	81.7002	F	F	F	F
	2	1.3113	76.2315	F	F	F	F
	3	1.3113	75.138	F	F	F	F
THPYR_05_214	1	1.7997	79.1759	F	F	F	F
	2	1.7997	74.9214	F	F	F	F
	3	1.7997	73.9706	F	F	F	F
THPYR_05_217	1	1.4672	77.2549	F	F	F	F
	2	1.4672	73.8942	F	F	F	F
	3	1.4672	69.6688	F	F	F	F
THPYR_05_218	1	1.6604	73.5545	F	F	F	F
	2	1.6604	71.8957	F	F	F	F
	3	1.6604	70.9106	F	F	F	F
THPYR_05_220	1	1.1269	73.9886	F	F	F	F
	2	1.1269	73.0002	T	T	F	F
	3	1.1269	72.8536	F	F	F	F
THPYR_05_221	1	0.1204	75.7532	F	F	F	F
	2	0.1204	74.2302	F	F	F	F
	3	0.1204	73.7159	F	F	F	F
THPYR_05_222	1	1.212	74.3423	T	T	T	T
	2	1.212	74.3098	T	T	F	F
	3	1.212	71.9956	F	F	F	F
THPYR_05_223	1	0.973	74.4902	F	F	F	F
	2	0.973	73.5864	F	F	F	F
	3	0.973	72.4474	F	F	F	F
THPYR_05_226	1	0.1566	74.716	T	T	F	F
	2	0.1566	71.1935	F	F	F	F
	3	0.1566	68.8913	F	F	F	F
THPYR_05_227	1	0.1832	77.3754	F	F	F	F
	2	0.1832	75.4744	F	F	F	F
	3	0.1832	73.5354	F	F	F	F
THPYR_05_233	1	0.2405	82.0552	F	F	F	F
	2	0.2405	80.244	F	F	F	F
	3	0.2405	79.1638	F	F	F	F
THPYR_05_234	1	1.1569	75.1634	F	F	F	F
	2	1.1569	71.2234	F	F	F	F
	3	1.1569	70.3903	F	F	F	F
THPYR_05_237	1	0.3624	83.1591	F	F	F	F
	2	0.3624	72.5618	F	F	F	F
	3	0.3624	71.2006	T	F	F	F

THPYR_05_241	1	1.075	76.3819	F	F	F	F
	2	1.075	74.842	F	F	F	F
	3	1.075	71.4222	F	F	F	F
THPYR_05_251	1	0.4172	75.0435	F	F	F	F
	2	0.4172	74.3263	F	F	F	F
	3	0.4172	71.4968	F	F	F	F
THPYR_05_252	1	0.4579	81.1357	F	F	F	F
	2	0.4579	75.3993	T	T	F	F
	3	0.4579	73.7705	F	F	F	F
THPYR_05_253	1	1.5996	75.3392	F	F	F	F
	2	1.5996	73.7148	F	F	F	F
	3	1.5996	73.7033	T	T	F	F
THPYR_05_267	1	1.129	78.5816	F	F	F	F
	2	1.129	76.1346	F	F	F	F
	3	1.129	76.0206	F	F	F	F
THPYR_05_274	1	1.6014	74.6167	F	F	F	F
	2	1.6014	73.6668	F	F	F	F
	3	1.6014	73.0779	F	F	F	F
THPYR_05_276	1	0.2068	71.1568	F	F	F	F
	2	0.2068	69.9437	T	T	F	F
	3	0.2068	67.9146	F	F	F	F
THPYR_05_278	1	0.2782	73.3239	F	F	F	F
	2	0.2782	72.2459	F	F	F	F
	3	0.2782	69.6315	F	F	F	F
THPYR_05_279	1	0.3245	78.7311	F	F	F	F
	2	0.3245	77.4722	F	F	F	F
	3	0.3245	75.3458	F	F	F	F
THPYR_05_294	1	1.0641	79.269	F	F	F	F
	2	1.0641	77.236	F	F	F	F
	3	1.0641	73.2127	F	F	F	F
THPYR_05_297	1	1.1604	86.384	F	F	F	F
	2	1.1604	83.5141	F	F	F	F
	3	1.1604	74.42	F	F	F	F
THPYR_05_303	1	0.5246	77.3118	F	F	F	F
	2	0.5246	70.9037	F	F	F	F
	3	0.5246	70.8786	F	F	F	F
THPYR_05_304	1	0.455	79.4973	F	F	F	F
	2	0.455	77.8625	F	F	F	F
	3	0.455	76.452	T	T	F	F
THPYR_05_310	1	0.3827	80.0295	F	F	F	F
	2	0.3827	77.0444	T	T	F	F
	3	0.3827	70.4665	F	F	F	F
THPYR_05_315	1	0.6249	73.9108	F	F	F	F
	2	0.6249	71.85	T	T	F	F
	3	0.6249	71.7031	F	F	F	F

THPYR_05_325	1	1.2549	75.7395	F	F	F	F
	2	1.2549	75.7356	F	F	F	F
	3	1.2549	75.3222	F	F	F	F
THPYR_05_329	1	0.5682	77.2147	F	F	F	F
	2	0.5682	75.1213	F	F	F	F
	3	0.5682	74.3789	F	F	F	F
THPYR_05_331	1	1.8471	74.3027	F	F	F	F
	2	1.8471	73.3819	F	F	F	F
	3	1.8471	69.1728	F	F	F	F
THPYR_05_341	1	1.4696	75.8966	T	T	F	F
	2	1.4696	71.5663	F	F	F	F
	3	1.4696	71.4987	F	F	F	F
THPYR_05_342	1	0.2938	76.0946	F	F	F	F
	2	0.2938	70.4068	F	F	F	F
	3	0.2938	67.2469	F	F	F	F
THPYR_05_343	1	0.2259	83.9817	F	F	F	F
	2	0.2259	81.3584	F	F	F	F
	3	0.2259	77.2299	F	F	F	F
THPYR_05_344	1	1.6319	69.85	F	F	F	F
	2	1.6319	69.8351	F	F	F	F
	3	1.6319	68.4886	F	F	F	F
THPYR_05_346	1	1.8958	76.6707	F	F	F	F
	2	1.8958	66.9675	F	F	F	F
	3	1.8958	64.1155	T	T	F	F
THPYR_05_347	1	1.4921	81.7469	F	F	F	F
	2	1.4921	74.834	F	F	F	F
	3	1.4921	72.6421	T	T	F	F
THPYR_05_348	1	0.6498	75.6917	F	F	F	F
	2	0.6498	73.7561	F	F	F	F
	3	0.6498	73.0485	F	F	F	F
THPYR_05_349	1	0.3464	82.9221	F	F	F	F
	2	0.3464	69.624	F	F	F	F
	3	0.3464	67.7449	F	F	F	F
THPYR_05_351	1	0.2686	82.8388	F	F	F	F
	2	0.2686	76.8316	F	F	F	F
	3	0.2686	73.8866	F	F	F	F
THPYR_05_352	1	1.3173	75.8847	F	F	F	F
	2	1.3173	73.511	F	F	F	F
	3	1.3173	72.807	F	F	F	F
THPYR_05_355	1	0.183	76.0658	F	F	F	F
	2	0.183	73.3053	F	F	F	F
	3	0.183	73.2752	F	F	F	F
THPYR_05_365	1	0.8584	80.6281	F	F	F	F
	2	0.8584	75.7566	F	F	F	F
	3	0.8584	74.8409	F	F	F	F

THPYR_05_371	1	0.1083	74.1222	F	F	F	F
	2	0.1083	73.9434	F	F	F	F
	3	0.1083	73.745	F	T	F	F
THPYR_05_372	1	0.973	77.9674	F	F	F	F
	2	0.973	73.6976	T	T	F	F
	3	0.973	72.2577	F	F	F	F
THPYR_05_373	1	1.4191	74.2566	F	F	F	F
	2	1.4191	72.4946	F	F	F	F
	3	1.4191	70.3756	F	F	F	F
THPYR_05_377	1	1.3222	75.0854	F	F	F	F
	2	1.3222	74.3598	T	F	F	F
	3	1.3222	70.2432	F	F	F	F
THPYR_05_378	1	1.4488	77.9964	F	F	F	F
	2	1.4488	77.4371	F	F	F	F
	3	1.4488	72.0185	T	T	F	F
THPYR_05_385	1	1.2951	78.6546	F	F	F	F
	2	1.2951	76.6902	F	F	F	F
	3	1.2951	72.6107	F	F	F	F
THPYR_05_386	1	0.6431	85.5022	F	F	F	F
	2	0.6431	78.4403	T	T	F	F
	3	0.6431	76.4284	F	F	F	F
THPYR_05_388	1	1.3268	73.176	F	F	F	F
	2	1.3268	72.8388	F	F	F	F
	3	1.3268	72.5066	F	F	F	F
THPYR_05_389	1	0.207	76.5995	F	F	F	F
	2	0.207	73.9193	F	F	F	F
	3	0.207	69.8952	F	F	F	F
THPYR_05_394	1	0.1882	77.649	T	T	F	F
	2	0.1882	75.1283	F	F	F	F
	3	0.1882	75.0767	F	F	F	F
THPYR_05_397	1	0.8091	77.8109	F	F	F	F
	2	0.8091	76.7141	T	T	F	F
	3	0.8091	75.9405	F	F	F	F
THPYR_05_398	1	1.6203	75.8383	F	F	F	F
	2	1.6203	75.6111	T	T	F	F
	3	1.6203	75.5783	F	F	F	F
THPYR_05_399	1	0.6053	85.0116	F	F	F	F
	2	0.6053	83.7968	F	F	F	F
	3	0.6053	73.6564	F	F	F	F
THPYR_05_400	1	0.4708	73.5179	F	F	F	F
	2	0.4708	72.8934	F	F	F	F
	3	0.4708	70.0243	F	F	F	F
THPYR_05_402	1	0.7178	82.1094	F	F	F	F
	2	0.7178	79.635	F	F	F	F
	3	0.7178	77.5921	T	T	F	F

THPYR_05_403	1	0.3065	79.9502	F	F	F	F
	2	0.3065	75.0398	F	F	F	F
	3	0.3065	74.1541	F	F	F	F
THPYR_05_407	1	0.1565	79.1463	F	F	F	F
	2	0.1565	77.754	F	F	F	F
	3	0.1565	74.2781	F	F	F	F
THPYR_05_411	1	0.5238	83.7794	F	F	F	F
	2	0.5238	83.1852	F	F	F	F
	3	0.5238	83.158	F	F	F	F
THPYR_05_412	1	1.6478	83.9338	F	F	F	F
	2	1.6478	78.0237	F	F	F	F
	3	1.6478	75.5563	T	F	F	F
THPYR_05_413	1	1.3155	78.638	F	F	F	F
	2	1.3155	75.9785	F	F	F	F
	3	1.3155	74.571	F	F	F	F
THPYR_05_415	1	1.5129	84.7192	F	F	F	F
	2	1.5129	71.6178	F	F	F	F
	3	1.5129	69.6731	F	F	F	F
THPYR_05_416	1	0.9815	77.9884	F	F	F	F
	2	0.9815	77.1431	F	F	F	F
	3	0.9815	72.4921	F	F	F	F
THPYR_05_417	1	0.7506	81.1281	F	F	F	F
	2	0.7506	77.7947	F	F	F	F
	3	0.7506	76.8149	T	T	F	F
THPYR_05_418	1	0.5708	75.5626	F	F	F	F
	2	0.5708	71.8716	F	F	F	F
	3	0.5708	70.4454	F	F	F	F
THPYR_05_419	1	0.9784	79.56	F	F	F	F
	2	0.9784	78.1686	F	F	F	F
	3	0.9784	77.0041	F	F	F	F
THPYR_05_420	1	0.2897	82.6228	F	F	F	F
	2	0.2897	81.6782	T	T	T	T
	3	0.2897	75.9377	T	T	F	F
THPYR_05_426	1	0.8829	79.4391	F	F	F	F
	2	0.8829	77.6833	T	T	F	F
	3	0.8829	76.423	F	F	F	F
THPYR_05_427	1	0.5438	83.8253	F	F	F	F
	2	0.5438	77.746	F	F	F	F
	3	0.5438	72.8991	F	F	F	F
THPYR_05_428	1	0.4644	84.0258	F	F	F	F
	2	0.4644	79.8287	F	F	F	F
	3	0.4644	77.6836	T	F	F	F
THPYR_05_429	1	1.0106	80.1603	F	F	F	F
	2	1.0106	75.342	F	F	F	F
	3	1.0106	74.1376	F	F	F	F

THPYR_05_430	1	0.9632	81.4738	T	T	F	F
	2	0.9632	80.1857	F	F	F	F
	3	0.9632	75.4449	F	F	F	F
THPYR_06_001	1	1.3474	77.8506	F	F	F	F
	2	1.3474	77.782	T	T	F	F
	3	1.3474	77.1202	F	F	F	F
THPYR_06_002	1	0.3479	76.2093	T	T	F	F
	2	0.3479	75.8718	F	F	F	F
	3	0.3479	75.2533	T	T	F	F
THPYR_06_009	1	0.2782	85.1116	T	T	F	F
	2	0.2782	82.3843	T	T	T	T
	3	0.2782	81.427	T	T	F	F
THPYR_06_016	1	0.3479	77.1668	F	F	F	F
	2	0.3479	75.8662	T	T	F	F
	3	0.3479	75.0779	F	F	F	F
THPYR_06_017	1	0.8054	77.7639	T	F	F	F
	2	0.8054	72.7145	F	F	F	F
	3	0.8054	70.7681	F	F	F	F
THPYR_06_037	1	0.7898	80.1105	F	F	F	F
	2	0.7898	78.2399	F	F	F	F
	3	0.7898	72.9324	F	F	F	F
THPYR_06_038	1	1.2128	78.9867	F	F	F	F
	2	1.2128	70.5219	T	T	F	F
	3	1.2128	70.4759	F	F	F	F
THPYR_06_039	1	0.2153	75.1799	F	F	F	F
	2	0.2153	73.7859	T	T	T	T
	3	0.2153	73.2675	T	T	F	F
THPYR_06_041	1	1.6788	76.209	F	F	F	F
	2	1.6788	74.2907	F	F	F	F
	3	1.6788	73.5252	F	F	F	F
THPYR_06_047	1	1.5838	80.8664	F	T	F	F
	2	1.5838	79.3716	F	F	F	F
	3	1.5838	76.7283	F	F	F	F
THPYR_06_048	1	0.8162	81.3235	F	F	F	F
	2	0.8162	77.4029	F	F	F	F
	3	0.8162	77.2371	F	F	F	F
THPYR_06_052	1	1.328	78.4613	F	F	F	F
	2	1.328	78.2871	F	F	F	F
	3	1.328	77.2911	F	F	F	F
THPYR_06_059	1	1.2921	64.9039	F	F	F	F
	2	1.2921	63.5154	F	F	F	F
	3	1.2921	61.4849	T	T	F	F
THPYR_06_060	1	0.0052	79.2429	T	T	F	F
	2	0.0052	75.7734	F	F	F	F
	3	0.0052	72.5252	F	F	F	F

THPYR_06_061	1	0.9382	75.5018	T	T	F	F
	2	0.9382	71.0802	T	F	F	F
	3	0.9382	68.8471	F	F	F	F
THPYR_06_072	1	1.5321	74.9261	F	F	F	F
	2	1.5321	74.0734	F	F	F	F
	3	1.5321	72.6715	F	F	F	F
THPYR_06_076	1	1.1625	76.5716	T	T	F	F
	2	1.1625	76.1346	T	F	F	F
	3	1.1625	74.2955	F	F	F	F
THPYR_06_077	1	1.8026	78.7344	T	T	T	T
	2	1.8026	77.0431	T	T	T	T
	3	1.8026	72.6409	T	T	T	T
THPYR_06_081	1	0.4776	79.5169	T	T	T	T
	2	0.4776	77.2638	T	T	T	T
	3	0.4776	76.1122	F	F	F	F
THPYR_06_082	1	0.1201	80.3532	T	T	F	F
	2	0.1201	77.2802	F	F	F	F
	3	0.1201	75.87	F	F	F	F
THPYR_06_083	1	0.4725	78.0505	T	T	T	T
	2	0.4725	76.439	T	T	F	F
	3	0.4725	76.2419	T	T	F	F
THPYR_06_106	1	0.2446	78.4023	F	F	F	F
	2	0.2446	75.8187	T	T	T	T
	3	0.2446	75.5977	F	F	F	F
THPYR_06_114	1	1.2266	77.2849	F	F	F	F
	2	1.2266	77.1479	F	F	F	F
	3	1.2266	76.6977	F	F	F	F
THPYR_06_150	1	0.5289	85.5855	F	F	F	F
	2	0.5289	82.451	F	F	F	F
	3	0.5289	78.4744	F	F	F	F
THPYR_06_152	1	0.2844	78.3307	F	F	F	F
	2	0.2844	77.5865	T	T	T	T
	3	0.2844	77.5002	F	F	F	F
THPYR_06_156	1	0.1878	77.8139	F	T	F	F
	2	0.1878	76.883	F	F	F	F
	3	0.1878	76.6791	T	T	F	F
THPYR_06_185	1	0.9022	78.2781	F	F	F	F
	2	0.9022	77.8014	F	F	F	F
	3	0.9022	76.1995	F	F	F	F
THPYR_06_189	1	1.7262	77.9564	T	T	F	F
	2	1.7262	76.8153	F	F	F	F
	3	1.7262	75.6817	F	F	F	F
THPYR_06_217	1	0.3111	80.0668	F	F	F	F
	2	0.3111	74.6191	F	F	F	F
	3	0.3111	73.1779	F	F	F	F

THPYR_06_220	1	1.7266	81.2284	F	F	F	F
	2	1.7266	78.5763	F	F	F	F
	3	1.7266	77.654	F	F	F	F
THPYR_06_221	1	0.187	75.6857	F	F	F	F
	2	0.187	74.0049	T	T	F	F
	3	0.187	70.4721	F	F	F	F
THPYR_06_222	1	1.0462	75.6924	T	T	T	T
	2	1.0462	74.3338	F	F	F	F
	3	1.0462	73.9957	F	F	F	F
THPYR_06_223	1	0.863	77.9891	F	F	F	F
	2	0.863	76.3642	T	T	F	F
	3	0.863	75.8145	T	T	F	F
THPYR_06_226	1	0.1395	79.1799	F	F	F	F
	2	0.1395	72.233	F	F	F	F
	3	0.1395	71.0763	F	F	F	F
THPYR_06_227	1	0.1729	78.7322	F	F	F	F
	2	0.1729	74.2106	T	T	F	F
	3	0.1729	72.4637	F	F	F	F
THPYR_06_233	1	0.1352	78.6356	T	T	F	F
	2	0.1352	75.4476	F	F	F	F
	3	0.1352	74.9266	T	F	F	F
THPYR_06_234	1	1.0812	73.8481	F	F	F	F
	2	1.0812	71.2751	T	T	F	F
	3	1.0812	70.7371	F	F	F	F
THPYR_06_237	1	0.1769	83.857	F	F	F	F
	2	0.1769	77.145	F	F	F	F
	3	0.1769	75.6192	T	T	F	F
THPYR_06_241	1	0.9462	77.4338	F	F	F	F
	2	0.9462	77.153	F	F	F	F
	3	0.9462	76.5862	F	F	F	F
THPYR_06_248	1	1.1918	73.8381	F	F	F	F
	2	1.1918	62.2601	F	F	F	F
	3	1.1918	61.1845	F	F	F	F
THPYR_06_249	1	1.7183	80.0524	F	F	F	F
	2	1.7183	78.1536	F	F	F	F
	3	1.7183	77.5842	F	F	F	F
THPYR_06_251	1	0.2808	74.2055	F	F	F	F
	2	0.2808	73.553	T	T	F	F
	3	0.2808	73.1524	F	F	F	F
THPYR_06_252	1	0.3575	79.3856	F	F	F	F
	2	0.3575	74.0413	T	T	F	F
	3	0.3575	73.061	T	T	F	F
THPYR_06_254	1	1.9253	77.693	F	F	F	F
	2	1.9253	76.5988	F	F	F	F
	3	1.9253	73.8065	F	F	F	F

THPYR_06_267	1	1.1735	83.4225	F	F	F	F
	2	1.1735	79.3291	F	F	F	F
	3	1.1735	78.3371	F	F	F	F
THPYR_06_274	1	0.869	74.9814	F	F	F	F
	2	0.869	73.9291	F	F	F	F
	3	0.869	73.6213	F	F	F	F
THPYR_06_275	1	1.9616	79.4599	F	F	F	F
	2	1.9616	78.2732	F	F	F	F
	3	1.9616	77.4785	F	F	F	F
THPYR_06_276	1	0.3475	74.9975	F	F	F	F
	2	0.3475	71.2412	F	F	F	F
	3	0.3475	70.6005	F	F	F	F
THPYR_06_278	1	0.2102	75.4571	T	T	F	F
	2	0.2102	73.2386	T	T	F	F
	3	0.2102	70.8628	F	F	F	F
THPYR_06_279	1	0.4661	80.8297	F	F	F	F
	2	0.4661	78.7756	F	F	F	F
	3	0.4661	77.4581	T	T	F	F
THPYR_06_281	1	1.7037	85.2602	F	F	F	F
	2	1.7037	79.3037	F	F	F	F
	3	1.7037	78.2602	F	F	F	F
THPYR_06_294	1	1.4002	84.7202	F	F	F	F
	2	1.4002	78.6284	F	F	F	F
	3	1.4002	76.2896	F	F	F	F
THPYR_06_295	1	1.6604	76.9442	F	F	F	F
	2	1.6604	72.9791	F	F	F	F
	3	1.6604	72.0191	T	T	F	F
THPYR_06_297	1	0.9281	77.787	F	F	F	F
	2	0.9281	74.8429	F	F	F	F
	3	0.9281	74.6019	F	F	F	F
THPYR_06_301	1	0.9082	80.9855	F	F	F	F
	2	0.9082	76.9005	F	F	F	F
	3	0.9082	75.9419	F	F	F	F
THPYR_06_303	1	0.5055	76.0447	F	F	F	F
	2	0.5055	75.2361	T	T	F	F
	3	0.5055	74.0813	F	F	F	F
THPYR_06_304	1	0.4226	81.5482	F	F	F	F
	2	0.4226	75.3302	F	F	F	F
	3	0.4226	71.7405	F	F	F	F
THPYR_06_310	1	0.3272	79.3315	F	F	F	F
	2	0.3272	79.0484	F	F	F	F
	3	0.3272	76.9854	T	T	F	F
THPYR_06_315	1	0.4861	80.1014	T	T	F	F
	2	0.4861	77.1576	T	T	F	F
	3	0.4861	75.0058	F	F	F	F

THPYR_06_325	1	1.3335	77.0993	F	F	F	F
	2	1.3335	76.3129	T	T	T	T
	3	1.3335	75.7437	T	T	T	T
THPYR_06_329	1	0.6728	77.9053	T	T	T	T
	2	0.6728	74.7548	T	T	F	F
	3	0.6728	70.7248	F	F	F	F
THPYR_06_341	1	0.7506	77.6818	T	T	F	F
	2	0.7506	77.2469	T	T	F	F
	3	0.7506	74.4401	T	F	F	F
THPYR_06_342	1	0.1965	73.51	T	T	F	F
	2	0.1965	70.5406	F	F	F	F
	3	0.1965	70.4519	F	F	F	F
THPYR_06_343	1	0.1753	78.4144	F	F	F	F
	2	0.1753	76.9696	F	F	F	F
	3	0.1753	73.6041	F	F	F	F
THPYR_06_347	1	0.7042	76.8854	F	F	F	F
	2	0.7042	76.3634	F	F	F	F
	3	0.7042	75.5959	F	F	F	F
THPYR_06_348	1	0.5353	77.9591	F	F	F	F
	2	0.5353	77.9038	T	T	F	F
	3	0.5353	76.6654	T	T	F	F
THPYR_06_349	1	0.6041	80.5394	T	F	F	F
	2	0.6041	76.7508	F	F	F	F
	3	0.6041	75.8739	F	F	F	F
THPYR_06_351	1	0.273	81.5409	F	F	F	F
	2	0.273	80.5914	F	F	F	F
	3	0.273	78.4001	F	F	F	F
THPYR_06_352	1	1.0554	77.2096	F	F	F	F
	2	1.0554	75.2785	F	F	F	F
	3	1.0554	74.6331	F	F	F	F
THPYR_06_355	1	0.2092	79.974	F	F	F	F
	2	0.2092	77.4869	F	F	F	F
	3	0.2092	77.2473	F	F	F	F
THPYR_06_365	1	1.2871	86.0006	F	F	F	F
	2	1.2871	77.8835	F	F	F	F
	3	1.2871	75.5827	F	F	F	F
THPYR_06_371	1	0.1604	76.897	F	F	F	F
	2	0.1604	76.4932	F	F	F	F
	3	0.1604	76.1612	F	F	F	F
THPYR_06_373	1	1.5125	74.6688	T	T	F	F
	2	1.5125	73.7807	F	F	F	F
	3	1.5125	73.2205	F	F	F	F
THPYR_06_377	1	0.633	76.4633	F	F	F	F
	2	0.633	76.2959	F	F	F	F
	3	0.633	74.2464	F	F	F	F

THPYR_06_385	1	1.8863	77.928	F	F	F	F
	2	1.8863	73.4345	F	F	F	F
	3	1.8863	71.023	T	T	F	F
THPYR_06_386	1	0.5253	77.2035	T	T	F	F
	2	0.5253	77.1536	F	F	F	F
	3	0.5253	76.1463	T	T	T	T
THPYR_06_388	1	1.1841	80.5741	F	F	F	F
	2	1.1841	79.4216	F	F	F	F
	3	1.1841	79.0048	F	F	F	F
THPYR_06_389	1	1.0529	75.7861	F	F	F	F
	2	1.0529	73.8264	T	F	F	F
	3	1.0529	73.1779	F	F	F	F
THPYR_06_394	1	0.1072	78.4411	T	T	F	F
	2	0.1072	77.831	T	T	T	T
	3	0.1072	77.3144	F	F	F	F
THPYR_06_395	1	1.9275	62.3989	F	F	F	F
	2	1.9275	59.913	F	F	F	F
	3	1.9275	58.3897	F	F	F	F
THPYR_06_397	1	0.7887	80.3847	F	F	F	F
	2	0.7887	80.3015	F	F	F	F
	3	0.7887	76.2225	F	F	F	F
THPYR_06_399	1	0.525	78.6712	F	F	F	F
	2	0.525	78.3752	F	F	F	F
	3	0.525	78.2527	F	F	F	F
THPYR_06_400	1	0.4884	75.8903	T	T	F	F
	2	0.4884	73.4267	F	F	F	F
	3	0.4884	71.917	F	F	F	F
THPYR_06_402	1	1.0252	78.4482	F	F	F	F
	2	1.0252	76.8035	F	F	F	F
	3	1.0252	76.7015	F	F	F	F
THPYR_06_403	1	0.235	78.0752	F	F	F	F
	2	0.235	72.5119	F	F	F	F
	3	0.235	71.3401	F	F	F	F
THPYR_06_407	1	0.1632	80.1757	T	T	T	T
	2	0.1632	79.722	T	T	F	F
	3	0.1632	74.8424	F	F	F	F
THPYR_06_411	1	0.8863	89.6441	F	F	F	F
	2	0.8863	80.5255	F	F	F	F
	3	0.8863	74.2528	F	F	F	F
THPYR_06_412	1	1.7898	87.4463	F	F	F	F
	2	1.7898	81.871	T	T	F	F
	3	1.7898	78.4548	F	F	F	F
THPYR_06_413	1	0.9703	81.7497	F	F	F	F
	2	0.9703	77.6409	F	F	F	F
	3	0.9703	74.7426	F	F	F	F

THPYR_06_416	1	0.8549	82.7753	F	F	F	F
	2	0.8549	80.3589	F	F	F	F
	3	0.8549	79.9149	F	F	F	F
THPYR_06_417	1	0.7567	83.6121	F	F	F	F
	2	0.7567	81.1287	F	F	F	F
	3	0.7567	80.2364	F	F	F	F
THPYR_06_418	1	0.6276	81.1636	F	F	F	F
	2	0.6276	80.7886	F	F	F	F
	3	0.6276	79.9363	T	T	F	F
THPYR_06_419	1	1.409	81.14	F	F	F	F
	2	1.409	78.5291	T	T	F	F
	3	1.409	76.6395	F	F	F	F
THPYR_06_420	1	0.4956	82.8162	F	F	F	F
	2	0.4956	79.2058	F	F	F	F
	3	0.4956	78.3384	T	T	T	T
THPYR_06_426	1	0.8166	82.6429	F	F	F	F
	2	0.8166	79.5198	F	F	F	F
	3	0.8166	77.4425	F	F	F	F
THPYR_06_427	1	0.9833	87.1052	F	F	F	F
	2	0.9833	75.4813	F	F	F	F
	3	0.9833	74.5148	F	F	F	F
THPYR_06_428	1	0.8033	87.4851	F	F	F	F
	2	0.8033	84.0135	F	F	F	F
	3	0.8033	79.1558	T	T	T	T
THPYR_06_430	1	1.1744	80.7264	T	T	F	F
	2	1.1744	77.4652	T	T	F	F
	3	1.1744	76.9287	T	T	T	T

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

c) D83N_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	63.335	F	F	F	F
	2	1.9289	56.925	F	F	F	F
	3	1.9289	53.491	F	F	F	F
OXBC_01_371	1	0.5026	80.3295	T	T	F	F
	2	0.5026	75.1642	F	T	F	F
	3	0.5026	72.9254	T	T	F	F
OXBC_01_395	1	1.5707	55.3124	T	T	F	F
	2	1.5707	52.926	F	F	F	F
	3	1.5707	48.3226	T	T	F	F
OXBC_02_016	1	0.4034	71.4456	T	T	F	F
	2	0.4034	71.1992	T	T	F	F
	3	0.4034	70.0126	T	T	F	F
OXBC_02_114	1	0.7967	73.895	T	T	F	F
	2	0.7967	71.7502	T	T	F	F
	3	0.7967	71.648	T	T	T	T
OXBC_02_184	1	1.9902	73.3254	T	T	F	F
	2	1.9902	71.2469	T	T	F	F
	3	1.9902	71.2093	T	T	F	F
OXBC_02_252	1	0.2345	74.8318	T	T	F	F
	2	0.2345	73.6784	T	T	F	F
	3	0.2345	72.6181	T	T	F	F
OXBC_02_254	1	1.0812	73.5317	T	T	F	F
	2	1.0812	70.9208	T	T	T	T
	3	1.0812	70.9034	T	T	T	T
OXBC_02_284	1	1.5325	71.2608	T	T	F	F
	2	1.5325	69.4615	T	T	F	F
	3	1.5325	68.423	F	F	F	F
OXBC_02_310	1	0.5585	74.1972	T	T	F	F
	2	0.5585	67.4241	T	T	F	F
	3	0.5585	67.385	T	T	F	F
THIND_01_030	1	0.4726	53.5514	F	F	F	F
	2	0.4726	53.4916	F	F	F	F
	3	0.4726	51.8503	F	F	F	F
THIND_01_049	1	1.5639	52.751	F	F	F	F
	2	1.5639	52.091	F	F	F	F
	3	1.5639	51.7205	F	F	F	F
THIND_01_116	1	0.5836	68.3804	T	T	F	F
	2	0.5836	61.8755	T	T	F	F
	3	0.5836	60.9537	T	T	F	F
THIND_03_044	1	1.8382	66.1166	T	T	T	T
	2	1.8382	55.4494	F	F	F	F
	3	1.8382	54.0471	F	F	F	F

THIND_03_048	1	1.0325	57.5008	F	F	F	F
	2	1.0325	56.8246	F	F	F	F
	3	1.0325	56.1802	F	F	F	F
THIND_03_131	1	0.5055	69.3431	F	F	F	F
	2	0.5055	63.2423	F	F	F	F
	3	0.5055	60.6867	F	T	F	F
THIND_03_137	1	0.338	50.9386	F	F	F	F
	2	0.338	48.7647	T	F	F	F
	3	0.338	46.1727	F	F	F	F
THIND_03_260	1	1.8076	55.4582	F	F	F	F
	2	1.8076	49.5681	T	F	F	F
	3	1.8076	48.9732	T	F	F	F
THIND_03_354	1	0.7537	62.6314	F	F	F	F
	2	0.7537	57.3362	F	F	F	F
	3	0.7537	56.6909	F	F	F	F
THIND_03_369	1	1.0195	61.7351	F	T	F	F
	2	1.0195	59.3393	T	T	F	F
	3	1.0195	57.8564	F	F	F	F
THIND_03_371	1	1.159	56.801	T	T	F	F
	2	1.159	51.6292	T	T	F	F
	3	1.159	51.6151	F	F	F	F
THIND_04_028	1	1.6916	66.9928	F	F	F	F
	2	1.6916	65.5391	T	F	F	F
	3	1.6916	64.6681	F	F	F	F
THIND_04_030	1	0.8	64.8571	T	F	F	F
	2	0.8	63.8143	T	F	F	F
	3	0.8	58.1975	T	F	F	F
THIND_04_160	1	1.0792	56.9637	F	F	F	F
	2	1.0792	52.147	F	F	F	F
	3	1.0792	50.0745	F	T	F	F
THIND_04_163	1	0.6761	46.9129	F	T	F	F
	2	0.6761	46.6956	F	F	F	F
	3	0.6761	46.4399	F	F	F	F
THIND_04_211	1	0.9772	51.4671	F	F	F	F
	2	0.9772	47.2339	F	F	F	F
	3	0.9772	45.2128	F	F	F	F
THIND_04_213	1	0.9486	60.6491	F	F	F	F
	2	0.9486	58.6151	F	F	F	F
	3	0.9486	52.9059	T	F	F	F
THIND_04_260	1	1.075	64.688	F	F	F	F
	2	1.075	59.8979	F	F	F	F
	3	1.075	59.0354	T	F	F	F
THIND_04_350	1	1.8625	75.4863	F	F	F	F
	2	1.8625	65.1927	F	F	F	F
	3	1.8625	58.2647	F	T	F	F

THIND_04_393	1	1.8694	70.5304	F	F	F	F
	2	1.8694	69.9796	F	F	F	F
	3	1.8694	68.9625	F	F	F	F
THIND_04_395	1	1.2691	55.7172	F	F	F	F
	2	1.2691	50.6886	F	F	F	F
	3	1.2691	49.834	F	F	F	F
THIND_05_105	1	1.9838	88.9971	T	T	F	F
	2	1.9838	88.0241	T	F	F	F
	3	1.9838	87.261	T	F	F	F
THIND_05_113	1	1.3772	79.3313	T	T	F	F
	2	1.3772	73.4736	T	F	F	F
	3	1.3772	72.2023	T	T	F	F
THIND_05_131	1	0.764	87.1414	T	T	F	F
	2	0.764	84.3862	F	T	F	F
	3	0.764	82.3307	T	T	F	F
THIND_05_137	1	0.4292	77.1946	T	T	F	F
	2	0.4292	74.5685	F	F	F	F
	3	0.4292	73.5365	F	F	F	F
THIND_05_260	1	0.9986	77.2387	T	T	F	F
	2	0.9986	75.3133	T	F	F	F
	3	0.9986	74.2422	F	F	F	F
THIND_05_354	1	1.0414	78.7723	F	F	F	F
	2	1.0414	75.6486	F	F	F	F
	3	1.0414	74.8003	F	F	F	F
THIND_05_355	1	1.9507	85.0696	T	T	F	F
	2	1.9507	84.5936	T	T	F	F
	3	1.9507	80.1458	F	F	F	F
THIND_05_369	1	1.358	92.7028	F	F	F	F
	2	1.358	92.0829	F	T	F	F
	3	1.358	88.799	F	T	F	F
THIND_05_371	1	1.6372	81.2732	F	F	F	F
	2	1.6372	81.1315	T	T	F	F
	3	1.6372	80.7775	T	F	F	F
THIND_06_030	1	1.6626	78.3539	F	F	F	F
	2	1.6626	74.567	T	T	F	F
	3	1.6626	73.6865	T	T	F	F
THIND_06_031	1	0.79	73.4788	F	F	F	F
	2	0.79	72.2171	F	F	F	F
	3	0.79	71.0438	F	F	F	F
THIND_06_047	1	1.3119	77.2104	F	F	F	F
	2	1.3119	77.0356	F	F	F	F
	3	1.3119	75.9022	F	F	F	F
THIND_06_049	1	0.4853	74.2283	F	F	F	F
	2	0.4853	73.5988	F	F	F	F
	3	0.4853	72.3872	F	F	F	F

THIND_06_050	1	0.9164	83.9546	F	F	F	F
	2	0.9164	80.1289	F	F	F	F
	3	0.9164	79.1455	F	F	F	F
THIND_06_142	1	0.9616	75.625	F	F	F	F
	2	0.9616	71.9922	F	F	F	F
	3	0.9616	69.4238	F	F	F	F
THIND_06_187	1	0.5973	68.1172	F	F	F	F
	2	0.5973	67.8497	F	F	F	F
	3	0.5973	67.5617	F	F	F	F
THIND_06_211	1	0.2488	84.7292	T	T	F	F
	2	0.2488	77.653	F	F	F	F
	3	0.2488	77.1032	F	F	F	F
THIND_06_247	1	0.9068	68.4614	F	F	F	F
	2	0.9068	63.9963	F	F	F	F
	3	0.9068	63.3275	F	F	F	F
THIND_06_382	1	0.7084	74.1759	F	F	F	F
	2	0.7084	68.8884	F	F	F	F
	3	0.7084	66.6038	F	F	F	F
THIND_07_005	1	0.7485	49.6631	F	T	F	F
	2	0.7485	48.3179	F	T	F	F
	3	0.7485	48.3097	F	F	F	F
THIND_07_023	1	1.2682	65.7568	T	T	T	T
	2	1.2682	60.9794	T	T	F	F
	3	1.2682	59.9474	T	T	F	F
THIND_07_048	1	1.8647	61.2475	F	F	F	F
	2	1.8647	60.9223	F	F	F	F
	3	1.8647	60.0492	F	F	F	F
THIND_07_078	1	1.7713	60.2072	F	F	F	F
	2	1.7713	55.0726	F	F	F	F
	3	1.7713	54.1141	F	F	F	F
THIND_07_108	1	1.4983	64.347	T	T	F	F
	2	1.4983	61.6488	F	F	F	F
	3	1.4983	59.7606	T	T	T	T
THIND_07_109	1	0.8584	52.9265	F	F	F	F
	2	0.8584	49.8428	T	T	F	F
	3	0.8584	48.0279	T	T	F	F
THIND_07_131	1	0.8545	72.2934	F	F	F	F
	2	0.8545	61.8162	F	T	F	F
	3	0.8545	61.2078	F	T	F	F
THIND_07_137	1	1.5188	56.9623	F	F	F	F
	2	1.5188	55.1748	F	F	F	F
	3	1.5188	53.6735	F	F	F	F
THIND_07_140	1	1.0385	57.2878	T	T	F	F
	2	1.0385	56.2968	F	F	F	F
	3	1.0385	53.2127	F	F	F	F

THIND_07_171	1	0.9867	47.896	F	F	F	F
	2	0.9867	46.5062	F	T	F	F
	3	0.9867	45.2178	F	T	F	F
THIND_07_172	1	0.6561	49.0698	F	F	F	F
	2	0.6561	48.763	F	F	F	F
	3	0.6561	46.9922	F	F	F	F
THIND_07_176	1	0.7963	62.1935	T	T	T	T
	2	0.7963	60.4784	F	T	F	F
	3	0.7963	59.2467	T	T	F	F
THIND_07_192	1	1.6769	65.8554	F	F	F	F
	2	1.6769	60.9029	F	F	F	F
	3	1.6769	58.8065	F	F	F	F
THIND_07_354	1	0.9147	66.8793	F	F	F	F
	2	0.9147	64.2253	F	F	F	F
	3	0.9147	61.8632	T	T	F	F
THIND_07_387	1	0.7932	58.7132	F	F	F	F
	2	0.7932	55.8804	F	F	F	F
	3	0.7932	52.6566	T	T	F	F
THIND_08_044	1	1.4431	63.4914	T	T	T	T
	2	1.4431	62.2723	F	F	F	F
	3	1.4431	59.0279	F	F	F	F
THIND_08_048	1	0.9532	59.661	F	F	F	F
	2	0.9532	56.4682	T	T	F	F
	3	0.9532	54.9799	T	F	F	F
THIND_08_113	1	1.9244	51.7886	T	F	F	F
	2	1.9244	51.677	F	F	F	F
	3	1.9244	50.327	T	F	F	F
THIND_08_131	1	1.3065	66.5414	F	T	F	F
	2	1.3065	64.1017	F	T	F	F
	3	1.3065	63.3568	T	T	F	F
THIND_08_137	1	0.3863	56.0402	T	F	F	F
	2	0.3863	54.7711	F	F	F	F
	3	0.3863	54.0166	F	F	F	F
THIND_08_279	1	1.953	63.3998	T	T	F	F
	2	1.953	61.4316	T	F	F	F
	3	1.953	59.6111	T	F	F	F
THIND_08_354	1	1.3533	59.8557	F	F	F	F
	2	1.3533	57.3153	F	F	F	F
	3	1.3533	56.7709	F	F	F	F
THIND_09_004	1	1.186	78.6339	F	F	F	F
	2	1.186	77.9121	F	F	F	F
	3	1.186	77.5772	F	F	F	F
THIND_09_005	1	0.3548	68.6697	F	T	F	F
	2	0.3548	67.8687	F	T	F	F
	3	0.3548	66.9701	T	F	F	F

THIND_09_023	1	0.9861	85.3962	T	T	T	T
	2	0.9861	84.9128	T	T	T	T
	3	0.9861	84.0986	T	T	F	F
THIND_09_055	1	1.8184	60.4431	F	T	F	F
	2	1.8184	59.0473	F	F	F	F
	3	1.8184	59.0102	F	F	F	F
THIND_09_057	1	0.3286	78.3488	F	F	F	F
	2	0.3286	75.7829	F	F	F	F
	3	0.3286	74.7005	F	F	F	F
THIND_09_058	1	0.3156	76.7796	F	F	F	F
	2	0.3156	74.8434	F	F	F	F
	3	0.3156	72.8807	F	F	F	F
THIND_09_060	1	1.7583	74.0298	F	F	F	F
	2	1.7583	72.3692	F	F	F	F
	3	1.7583	72.161	T	T	F	F
THIND_09_065	1	1.7434	64.7435	F	F	F	F
	2	1.7434	60.8314	F	F	F	F
	3	1.7434	59.3012	T	F	F	F
THIND_09_090	1	1.1527	77.9393	T	F	F	F
	2	1.1527	76.4292	F	F	F	F
	3	1.1527	76.2598	T	F	F	F
THIND_09_108	1	0.9475	84.1616	F	F	F	F
	2	0.9475	83.7217	T	F	F	F
	3	0.9475	81.6492	F	F	F	F
THIND_09_109	1	0.4705	76.6164	T	F	F	F
	2	0.4705	72.4113	F	F	F	F
	3	0.4705	70.6318	F	F	F	F
THIND_09_113	1	0.9152	78.2537	F	F	F	F
	2	0.9152	76.7903	T	F	F	F
	3	0.9152	74.7434	F	F	F	F
THIND_09_115	1	1.4743	84.6059	T	F	F	F
	2	1.4743	78.0966	T	F	F	F
	3	1.4743	77.5805	T	F	F	F
THIND_09_117	1	1.1277	82.2534	T	F	F	F
	2	1.1277	82.245	T	F	F	F
	3	1.1277	76.467	T	F	F	F
THIND_09_131	1	1.0524	81.4829	F	T	F	F
	2	1.0524	81.3501	T	T	F	F
	3	1.0524	81.3285	F	T	F	F
THIND_09_137	1	0.4097	73.3296	T	F	F	F
	2	0.4097	70.5325	F	F	F	F
	3	0.4097	69.5414	F	F	F	F
THIND_09_161	1	0.7962	70.6669	F	T	F	F
	2	0.7962	67.7042	T	F	F	F
	3	0.7962	64.8918	F	F	F	F

THIND_09_163	1	0.8537	71.6274	T	T	F	F
	2	0.8537	66.4238	T	F	F	F
	3	0.8537	65.7414	F	T	F	F
THIND_09_167	1	1.9629	69.2303	T	F	F	F
	2	1.9629	69.0726	F	F	F	F
	3	1.9629	67.8114	F	F	F	F
THIND_09_171	1	1.2508	74.642	F	F	F	F
	2	1.2508	70.0242	F	F	F	F
	3	1.2508	64.6105	F	T	F	F
THIND_09_172	1	0.8551	67.9917	F	F	F	F
	2	0.8551	67.4426	F	F	F	F
	3	0.8551	66.3993	F	T	F	F
THIND_09_173	1	1.5188	75.7361	F	F	F	F
	2	1.5188	65.6395	F	F	F	F
	3	1.5188	65.4993	T	F	F	F
THIND_09_176	1	1.1327	86.3935	F	T	F	F
	2	1.1327	82.8107	T	T	F	F
	3	1.1327	81.9631	F	T	F	F
THIND_09_179	1	1.3999	83.7339	T	T	F	F
	2	1.3999	83.5736	T	T	F	F
	3	1.3999	83.0639	T	T	T	T
THIND_09_186	1	1.7931	87.631	F	F	F	F
	2	1.7931	80.8357	F	F	F	F
	3	1.7931	80.3463	F	T	F	F
THIND_09_260	1	0.5595	77.5347	T	T	F	F
	2	0.5595	74.7781	F	F	F	F
	3	0.5595	73.6918	T	F	F	F
THIND_09_354	1	1.2365	81.3204	F	F	F	F
	2	1.2365	77.7915	F	F	F	F
	3	1.2365	74.3511	F	F	F	F
THIND_09_369	1	1.7254	90.0525	F	T	F	F
	2	1.7254	85.0645	F	T	F	F
	3	1.7254	84.029	T	F	F	F
THIND_09_371	1	1.2996	78.8667	T	T	F	F
	2	1.2996	77.6346	T	T	F	F
	3	1.2996	75.5011	T	T	F	F
THIND_09_387	1	0.232	77.6664	F	F	F	F
	2	0.232	75.2297	F	F	F	F
	3	0.232	72.4299	F	F	F	F
THIND_10_002	1	1.4401	58.9244	F	F	F	F
	2	1.4401	56.2706	T	F	F	F
	3	1.4401	52.0979	F	F	F	F
THIND_10_044	1	1.6619	59.1042	F	F	F	F
	2	1.6619	58.7862	F	F	F	F
	3	1.6619	58.6102	F	F	F	F

THIND_10_048	1	0.8648	61.0559	F	F	F	F
	2	0.8648	59.7722	F	F	F	F
	3	0.8648	59.6412	F	F	F	F
THIND_10_113	1	1.4015	63.0999	F	F	F	F
	2	1.4015	54.1971	F	F	F	F
	3	1.4015	50.2418	F	F	F	F
THIND_10_131	1	0.2951	66.3582	F	T	F	F
	2	0.2951	63.691	F	T	F	F
	3	0.2951	57.9324	F	F	F	F
THIND_10_137	1	0.4936	57.9898	F	F	F	F
	2	0.4936	57.8009	F	F	F	F
	3	0.4936	52.3811	F	F	F	F
THIND_10_157	1	1.8197	61.0172	T	F	F	F
	2	1.8197	60.7017	F	T	F	F
	3	1.8197	59.3813	F	T	F	F
THIND_10_179	1	1.6084	59.8781	F	F	F	F
	2	1.6084	57.8955	T	F	F	F
	3	1.6084	57.0073	F	F	F	F
THIND_10_260	1	1.2797	60.2725	F	F	F	F
	2	1.2797	54.9283	F	F	F	F
	3	1.2797	54.4518	F	F	F	F
THIND_10_350	1	1.6746	61.3147	F	F	F	F
	2	1.6746	55.7659	F	T	F	F
	3	1.6746	55.7552	F	F	F	F
THIND_10_354	1	0.288	68.2783	F	F	F	F
	2	0.288	59.6664	F	F	F	F
	3	0.288	58.542	F	F	F	F
THIND_10_355	1	1.3804	57.8115	F	F	F	F
	2	1.3804	55.6153	T	F	F	F
	3	1.3804	55.61	F	F	F	F
THIND_10_369	1	0.7827	70.1032	F	T	F	F
	2	0.7827	69.0545	F	T	F	F
	3	0.7827	64.2691	T	F	F	F
THIND_10_371	1	1.561	59.5055	T	T	F	F
	2	1.561	57.9297	F	F	F	F
	3	1.561	57.3359	F	F	F	F
THIND_10_391	1	1.5599	59.705	F	F	F	F
	2	1.5599	57.4425	F	F	F	F
	3	1.5599	51.7436	F	F	F	F
THIND_12_019	1	1.8599	73.9793	T	T	F	F
	2	1.8599	69.3216	T	T	F	F
	3	1.8599	66.747	F	F	F	F
THIND_12_020	1	1.8985	81.5277	T	F	F	F
	2	1.8985	78.0762	T	T	F	F
	3	1.8985	76.1564	T	T	F	F

THIND_12_074	1	1.8854	87.1947	T	T	F	F
	2	1.8854	87.0369	T	T	F	F
	3	1.8854	85.5655	T	T	T	T
THIND_12_076	1	0.3049	91.8892	T	T	F	F
	2	0.3049	86.0798	T	F	F	F
	3	0.3049	85.9891	T	F	F	F
THIND_12_093	1	1.2732	86.1207	T	F	F	F
	2	1.2732	84.5739	T	F	F	F
	3	1.2732	83.4654	T	F	F	F
THIND_12_107	1	0.6667	75.0221	T	F	F	F
	2	0.6667	74.0222	T	F	F	F
	3	0.6667	73.5431	T	T	F	F
THIND_12_112	1	0.148	85.1463	T	T	T	T
	2	0.148	83.3812	T	T	F	F
	3	0.148	82.6177	T	F	F	F
THIND_12_144	1	0.3252	84.6667	T	T	F	F
	2	0.3252	78.2572	F	F	F	F
	3	0.3252	77.1945	T	F	F	F
THIND_12_178	1	1.7482	80.6605	T	T	F	F
	2	1.7482	78.3326	T	T	F	F
	3	1.7482	78.2077	T	T	F	F
THIND_12_182	1	0.7729	89.8722	F	F	F	F
	2	0.7729	88.2383	F	F	F	F
	3	0.7729	88.1982	T	F	F	F
THIND_12_246	1	0.9232	83.4263	F	F	F	F
	2	0.9232	81.1029	F	F	F	F
	3	0.9232	80.0825	T	T	F	F
THIND_13_019	1	0.9554	59.0194	F	F	F	F
	2	0.9554	57.9674	F	F	F	F
	3	0.9554	56.6608	F	F	F	F
THIND_13_044	1	0.5463	64.9055	F	F	F	F
	2	0.5463	63.4853	F	F	F	F
	3	0.5463	61.5248	F	F	F	F
THIND_13_080	1	1.7318	72.1433	T	T	T	T
	2	1.7318	70.7728	T	T	F	F
	3	1.7318	67.9303	T	T	F	F
THIND_13_106	1	1.336	77.3584	F	F	F	F
	2	1.336	75.1667	F	F	F	F
	3	1.336	74.5059	T	F	F	F
THIND_13_145	1	1.7239	72.33	F	F	F	F
	2	1.7239	69.9146	F	F	F	F
	3	1.7239	69.2801	F	F	F	F
THIND_13_195	1	0.472	70.6549	F	F	F	F
	2	0.472	67.4242	F	F	F	F
	3	0.472	66.5978	T	T	F	F

THIND_13_246	1	0.2419	78.5219	F	F	F	F
	2	0.2419	74.0616	F	F	F	F
	3	0.2419	72.9734	F	F	F	F
THIND_13_247	1	0.0732	76.8694	F	F	F	F
	2	0.0732	75.9564	T	T	F	F
	3	0.0732	75.1753	F	F	F	F
THIND_14_012	1	1.1405	61.1141	T	F	F	F
	2	1.1405	60.4837	F	F	F	F
	3	1.1405	59.9807	F	F	F	F
THIND_14_078	1	0.1947	69.8698	T	T	F	F
	2	0.1947	68.8714	T	T	F	F
	3	0.1947	63.5008	F	F	F	F
THIND_14_120	1	0.4672	59.4395	T	F	F	F
	2	0.4672	59.3968	T	F	F	F
	3	0.4672	58.9572	T	T	F	F
THIND_14_182	1	1.3415	65.5172	F	F	F	F
	2	1.3415	65.4858	T	F	F	F
	3	1.3415	63.0138	F	F	F	F
THIND_14_196	1	1.9829	54.0006	F	F	F	F
	2	1.9829	53.8034	F	F	F	F
	3	1.9829	53.5622	F	F	F	F
THIND_15_004	1	0.5482	60.4803	T	T	F	F
	2	0.5482	56.8462	T	F	F	F
	3	0.5482	55.6581	F	F	F	F
THIND_15_021	1	1.7239	61.9857	T	F	F	F
	2	1.7239	57.4995	T	T	F	F
	3	1.7239	55.6227	T	T	T	T
THIND_15_028	1	0.5981	61.4357	T	T	F	F
	2	0.5981	59.4736	T	F	F	F
	3	0.5981	58.8204	T	T	F	F
THIND_15_030	1	0.5045	59.8094	T	T	T	T
	2	0.5045	57.6838	F	T	F	F
	3	0.5045	57.6077	T	T	F	F
THIND_15_050	1	1.2081	55.0841	T	T	F	F
	2	1.2081	54.4422	T	T	F	F
	3	1.2081	53.4318	T	T	F	F
THIND_15_105	1	0.9076	54.2256	T	T	F	F
	2	0.9076	53.9249	T	T	F	F
	3	0.9076	53.6485	T	T	F	F
THIND_15_122	1	1.4161	61.3951	T	T	F	F
	2	1.4161	58.3707	T	T	T	T
	3	1.4161	57.4031	T	T	F	F
THIND_15_133	1	0.826	56.9193	T	T	F	F
	2	0.826	55.5656	T	T	F	F
	3	0.826	55.4439	T	T	T	T

THIND_15_178	1	0.719	55.2786	T	T	F	F
	2	0.719	54.9184	T	T	F	F
	3	0.719	54.5618	T	T	F	F
THIND_15_196	1	1.6177	63.0767	F	F	F	F
	2	1.6177	61.2888	F	F	F	F
	3	1.6177	58.6184	F	F	F	F
THIND_15_217	1	1.6619	55.2632	T	T	F	F
	2	1.6619	51.9198	T	F	F	F
	3	1.6619	51.836	T	T	F	F
THIND_15_218	1	1.0493	64.0684	F	T	F	F
	2	1.0493	62.2158	T	T	F	F
	3	1.0493	62.0347	T	F	F	F
THIND_15_245	1	1.7187	63.0509	F	F	F	F
	2	1.7187	62.1635	F	F	F	F
	3	1.7187	57.0369	F	F	F	F
THIND_16_078	1	0.6399	84.1713	T	F	F	F
	2	0.6399	83.0034	T	T	F	F
	3	0.6399	77.5011	F	F	F	F
THIND_16_112	1	0.8831	80.0198	T	T	T	T
	2	0.8831	79.7973	T	T	F	F
	3	0.8831	79.6323	T	T	F	F
THIND_16_118	1	0.9594	86.0194	F	F	F	F
	2	0.9594	84.9407	F	F	F	F
	3	0.9594	83.289	T	F	F	F
THIND_16_120	1	1.731	85.4256	T	F	F	F
	2	1.731	84.1228	F	F	F	F
	3	1.731	83.0725	T	F	F	F
THIND_16_124	1	0.6086	79.8482	T	T	F	F
	2	0.6086	79.1793	T	T	T	T
	3	0.6086	77.9991	T	T	T	T
THIND_16_144	1	1.5664	80.3015	T	T	F	F
	2	1.5664	78.4251	T	F	F	F
	3	1.5664	75.3567	F	F	F	F
THIND_16_246	1	1.8256	83.2595	F	F	F	F
	2	1.8256	80.6976	T	T	T	T
	3	1.8256	80.4391	F	F	F	F
THIND_16_247	1	0.4882	78.519	F	F	F	F
	2	0.4882	77.868	F	F	F	F
	3	0.4882	77.015	F	F	F	F
THPYR_01_017	1	1.5467	64.8478	F	T	F	F
	2	1.5467	64.3667	F	T	F	F
	3	1.5467	63.5798	F	F	F	F
THPYR_01_037	1	1.2882	74.0142	F	F	F	F
	2	1.2882	69.5322	F	T	F	F
	3	1.2882	69.1483	F	F	F	F

THPYR_01_038	1	1.4142	75.9461	T	T	F	F
	2	1.4142	71.985	F	T	F	F
	3	1.4142	69.6839	F	T	F	F
THPYR_01_082	1	1.6144	89.2759	T	F	F	F
	2	1.6144	85.6857	T	T	T	T
	3	1.6144	80.8217	T	T	F	F
THPYR_01_114	1	1.8484	80.5266	T	T	F	F
	2	1.8484	77.6988	F	F	F	F
	3	1.8484	70.6441	T	T	F	F
THPYR_01_185	1	1.6368	73.3012	F	T	F	F
	2	1.6368	72.8151	F	F	F	F
	3	1.6368	69.5951	T	T	T	T
THPYR_01_221	1	1.1416	80.5074	T	F	F	F
	2	1.1416	76.4854	F	T	F	F
	3	1.1416	76.3189	F	F	F	F
THPYR_01_226	1	1.2735	66.9995	F	F	F	F
	2	1.2735	66.5535	F	F	F	F
	3	1.2735	65.8318	F	F	F	F
THPYR_01_227	1	0.5581	74.4567	T	T	F	F
	2	0.5581	73.8712	F	F	F	F
	3	0.5581	73.1688	F	F	F	F
THPYR_01_233	1	0.5864	80.9371	F	F	F	F
	2	0.5864	78.9867	F	T	F	F
	3	0.5864	74.9751	F	F	F	F
THPYR_01_276	1	1.7775	73.7206	T	T	F	F
	2	1.7775	69.3787	F	T	F	F
	3	1.7775	65.607	T	F	F	F
THPYR_01_303	1	1.4801	74.3438	F	F	F	F
	2	1.4801	73.9788	T	F	F	F
	3	1.4801	72.9952	F	F	F	F
THPYR_01_315	1	1.6649	83.4568	T	T	F	F
	2	1.6649	76.6604	T	T	F	F
	3	1.6649	75.2613	F	F	F	F
THPYR_01_329	1	0.6343	72.0869	T	T	F	F
	2	0.6343	66.732	F	F	F	F
	3	0.6343	66.1933	F	T	F	F
THPYR_01_378	1	1.9059	73.8037	F	F	F	F
	2	1.9059	73.3322	F	F	F	F
	3	1.9059	72.9878	F	F	F	F
THPYR_01_386	1	1.0617	82.0422	F	T	F	F
	2	1.0617	78.7202	F	F	F	F
	3	1.0617	78.2124	F	F	F	F
THPYR_01_416	1	1.627	82.2811	T	T	F	F
	2	1.627	78.1441	T	T	F	F
	3	1.627	73.5987	F	F	F	F

THPYR_01_417	1	1.3311	74.9072	T	T	F	F
	2	1.3311	74.7879	F	T	F	F
	3	1.3311	73.7273	F	T	F	F
THPYR_01_420	1	0.6811	84.7423	T	T	T	T
	2	0.6811	81.1596	T	T	F	F
	3	0.6811	79.7782	T	T	F	F
THPYR_01_428	1	1.1342	80.4157	F	F	F	F
	2	1.1342	75.3117	T	T	T	T
	3	1.1342	74.9787	F	F	F	F
THPYR_01_429	1	1.5104	80.7496	F	T	F	F
	2	1.5104	78.2536	T	T	F	F
	3	1.5104	77.8412	F	T	F	F
THPYR_02_002	1	0.8239	85.4385	F	F	F	F
	2	0.8239	83.3702	T	T	F	F
	3	0.8239	82.5372	F	F	F	F
THPYR_02_009	1	1.2882	81.8685	T	T	T	T
	2	1.2882	80.5923	T	T	F	F
	3	1.2882	78.3385	F	T	F	F
THPYR_02_037	1	1.9516	79.2745	F	F	F	F
	2	1.9516	77.0513	T	T	F	F
	3	1.9516	76.3007	T	T	F	F
THPYR_02_049	1	0.3883	80.6317	F	F	F	F
	2	0.3883	78.6535	F	F	F	F
	3	0.3883	75.0178	F	F	F	F
THPYR_02_060	1	0.4382	76.385	T	T	F	F
	2	0.4382	73.624	F	F	F	F
	3	0.4382	72.0817	F	F	F	F
THPYR_02_125	1	0.5369	74.0201	T	T	F	F
	2	0.5369	70.7526	F	T	F	F
	3	0.5369	69.471	F	F	F	F
THPYR_02_148	1	1.1698	85.2184	T	T	T	T
	2	1.1698	69.6844	F	F	F	F
	3	1.1698	69.1363	F	F	F	F
THPYR_02_157	1	0.6642	85.2454	F	F	F	F
	2	0.6642	84.094	F	F	F	F
	3	0.6642	80.0362	F	F	F	F
THPYR_02_187	1	0.5665	74.9319	F	F	F	F
	2	0.5665	70.4992	F	F	F	F
	3	0.5665	68.2631	T	F	F	F
THPYR_02_188	1	1.3583	68.0204	F	T	F	F
	2	1.3583	64.556	F	F	F	F
	3	1.3583	61.2628	F	F	F	F
THPYR_02_219	1	1.8005	78.08	F	F	F	F
	2	1.8005	75.9059	F	F	F	F
	3	1.8005	75.7929	F	F	F	F

THPYR_02_221	1	1.6661	80.583	T	T	F	F
	2	1.6661	80.0476	T	T	F	F
	3	1.6661	79.1267	F	F	F	F
THPYR_02_226	1	1.7632	81.8647	T	T	F	F
	2	1.7632	77.4212	T	T	F	F
	3	1.7632	76.2771	T	T	F	F
THPYR_02_233	1	1.6406	85.1217	T	T	F	F
	2	1.6406	82.5525	T	T	F	F
	3	1.6406	82.5329	T	T	F	F
THPYR_02_279	1	1.5563	87.8411	T	T	F	F
	2	1.5563	86.274	T	T	F	F
	3	1.5563	84.7613	T	T	F	F
THPYR_02_316	1	0.4992	75.8552	F	F	F	F
	2	0.4992	75.5881	T	T	F	F
	3	0.4992	70.5745	T	F	F	F
THPYR_02_329	1	1.842	76.0054	T	T	T	T
	2	1.842	75.9083	T	T	F	F
	3	1.842	72.1801	F	F	F	F
THPYR_02_342	1	1.4911	68.6106	F	T	F	F
	2	1.4911	66.9031	F	F	F	F
	3	1.4911	64.1766	F	F	F	F
THPYR_02_343	1	0.5391	75.6268	F	T	F	F
	2	0.5391	75.2827	T	T	F	F
	3	0.5391	74.1665	F	F	F	F
THPYR_02_349	1	1.6237	86.759	T	T	F	F
	2	1.6237	80.2414	T	T	F	F
	3	1.6237	71.9302	F	F	F	F
THPYR_02_351	1	0.7554	76.4462	F	F	F	F
	2	0.7554	75.4939	F	F	F	F
	3	0.7554	73.6852	F	F	F	F
THPYR_02_355	1	1.4371	81.043	F	F	F	F
	2	1.4371	76.8471	F	T	F	F
	3	1.4371	70.0314	F	F	F	F
THPYR_02_371	1	1.6248	78.7489	F	F	F	F
	2	1.6248	78.0462	T	T	F	F
	3	1.6248	75.0987	F	F	F	F
THPYR_02_389	1	0.7659	72.7525	T	T	F	F
	2	0.7659	72.0119	F	F	F	F
	3	0.7659	70.4673	T	F	F	F
THPYR_02_400	1	1.9629	78.661	T	T	T	T
	2	1.9629	75.9067	F	T	F	F
	3	1.9629	72.4151	T	T	F	F
THPYR_02_407	1	0.7954	95.1442	T	T	F	F
	2	0.7954	83.6836	T	F	F	F
	3	0.7954	79.229	F	F	F	F

THPYR_02_420	1	1.3684	92.4183	T	T	T	T
	2	1.3684	78.4345	F	T	F	F
	3	1.3684	78.1851	T	T	T	T
THPYR_02_426	1	1.3737	78.2558	T	T	T	T
	2	1.3737	71.079	F	T	F	F
	3	1.3737	71.0243	F	F	F	F
THPYR_03_002	1	0.6013	82.8632	T	T	F	F
	2	0.6013	81.7981	T	T	F	F
	3	0.6013	81.4901	F	F	F	F
THPYR_03_009	1	1.3384	83.4811	F	F	F	F
	2	1.3384	83.1637	F	F	F	F
	3	1.3384	83.1615	T	T	T	T
THPYR_03_029	1	1.0563	76.4477	F	F	F	F
	2	1.0563	74.729	T	T	F	F
	3	1.0563	73.4311	F	F	F	F
THPYR_03_034	1	0.5625	63.3228	T	T	T	T
	2	0.5625	62.9365	T	T	F	F
	3	0.5625	62.1443	F	F	F	F
THPYR_03_049	1	0.1932	74.8768	F	F	F	F
	2	0.1932	73.7296	F	F	F	F
	3	0.1932	73.1453	F	F	F	F
THPYR_03_050	1	1.5696	89.9128	T	T	F	F
	2	1.5696	81.7561	T	T	F	F
	3	1.5696	80.2782	T	T	F	F
THPYR_03_051	1	1.9449	74.9029	F	F	F	F
	2	1.9449	74.5284	F	F	F	F
	3	1.9449	71.3667	F	F	F	F
THPYR_03_060	1	0.3237	76.816	T	T	F	F
	2	0.3237	74.4307	F	F	F	F
	3	0.3237	74.2636	F	F	F	F
THPYR_03_072	1	1.0259	77.2011	F	F	F	F
	2	1.0259	73.6917	F	F	F	F
	3	1.0259	72.0645	F	F	F	F
THPYR_03_076	1	1.9191	81.8907	T	T	F	F
	2	1.9191	79.7751	T	T	F	F
	3	1.9191	79.6235	T	T	F	F
THPYR_03_081	1	0.9929	85.0666	T	T	F	F
	2	0.9929	81.5212	T	T	T	T
	3	0.9929	77.6112	F	T	F	F
THPYR_03_082	1	0.5311	89.6845	T	T	F	F
	2	0.5311	76.355	F	T	F	F
	3	0.5311	72.0335	F	T	F	F
THPYR_03_083	1	0.83	87.4324	T	T	F	F
	2	0.83	83.5273	T	T	T	T
	3	0.83	81.4506	F	T	F	F

THPYR_03_114	1	1.8446	84.4755	T	T	F	F
	2	1.8446	83.3097	T	T	F	F
	3	1.8446	80.8291	T	T	F	F
THPYR_03_125	1	0.4562	72.7728	F	F	F	F
	2	0.4562	71.6362	F	T	F	F
	3	0.4562	71.1271	T	F	F	F
THPYR_03_148	1	0.3077	86.2868	T	T	T	T
	2	0.3077	74.3938	F	F	F	F
	3	0.3077	69.8705	F	F	F	F
THPYR_03_156	1	1.8552	84.6627	F	T	F	F
	2	1.8552	84.5797	F	T	F	F
	3	1.8552	84.0273	F	T	F	F
THPYR_03_157	1	0.4815	84.1479	F	T	F	F
	2	0.4815	81.1411	F	F	F	F
	3	0.4815	79.8454	F	F	F	F
THPYR_03_178	1	0.7602	16.1861	F	F	F	F
	2	0.7602	8.1749	F	F	F	F
	3	0.7602	6.3984	F	F	F	F
THPYR_03_185	1	1.9329	81.4893	T	T	F	F
	2	1.9329	81.3813	T	T	T	T
	3	1.9329	78.9352	T	F	F	F
THPYR_03_187	1	0.2174	72.9221	F	F	F	F
	2	0.2174	72.0273	T	F	F	F
	3	0.2174	71.1388	F	F	F	F
THPYR_03_221	1	1.0799	85.3149	T	F	F	F
	2	1.0799	83.1668	F	F	F	F
	3	1.0799	81.2924	F	T	F	F
THPYR_03_222	1	1.9783	81.6034	T	T	F	F
	2	1.9783	79.7291	T	T	F	F
	3	1.9783	77.2717	F	F	F	F
THPYR_03_223	1	1.5314	81.0657	T	T	F	F
	2	1.5314	78.2323	T	T	F	F
	3	1.5314	73.7076	T	T	F	F
THPYR_03_226	1	1.0787	81.4176	T	T	F	F
	2	1.0787	79.7554	T	T	F	F
	3	1.0787	78.8992	T	T	F	F
THPYR_03_227	1	1.6908	79.7087	T	T	F	F
	2	1.6908	75.7575	F	F	F	F
	3	1.6908	73.8959	F	T	F	F
THPYR_03_233	1	1.4666	81.5048	T	T	F	F
	2	1.4666	79.8235	F	T	F	F
	3	1.4666	79.0697	F	F	F	F
THPYR_03_276	1	1.5413	76.7667	T	T	F	F
	2	1.5413	76.7225	T	T	F	F
	3	1.5413	75.1187	T	T	F	F

THPYR_03_316	1	0.4337	74.9914	F	F	F	F
	2	0.4337	74.8049	F	F	F	F
	3	0.4337	74.0423	F	F	F	F
THPYR_03_329	1	0.7251	82.5287	T	T	F	F
	2	0.7251	79.5542	T	F	F	F
	3	0.7251	75.5739	T	T	F	F
THPYR_03_342	1	0.979	80.5586	F	F	F	F
	2	0.979	78.7112	F	F	F	F
	3	0.979	77.9205	T	T	F	F
THPYR_03_343	1	1.4723	82.7801	F	F	F	F
	2	1.4723	76.7658	F	T	F	F
	3	1.4723	75.0472	T	T	F	F
THPYR_03_351	1	1.8932	81.4065	F	F	F	F
	2	1.8932	80.468	F	F	F	F
	3	1.8932	77.4003	F	F	F	F
THPYR_03_369	1	1.7628	91.1254	F	T	F	F
	2	1.7628	90.8754	F	T	F	F
	3	1.7628	86.528	F	F	F	F
THPYR_03_372	1	1.9584	76.1288	T	T	F	F
	2	1.9584	75.1347	T	F	F	F
	3	1.9584	74.0857	T	F	F	F
THPYR_03_389	1	0.5912	74.1149	F	F	F	F
	2	0.5912	73.4145	T	F	F	F
	3	0.5912	72.8835	T	F	F	F
THPYR_03_394	1	1.406	89.7797	T	T	T	T
	2	1.406	87.4997	T	T	T	T
	3	1.406	85.4333	T	T	F	F
THPYR_03_407	1	0.756	84.7549	T	T	F	F
	2	0.756	80.9167	T	T	T	T
	3	0.756	76.7618	F	T	F	F
THPYR_03_420	1	1.6155	87.0695	T	T	T	T
	2	1.6155	83.904	T	T	F	F
	3	1.6155	81.7572	F	F	F	F
THPYR_03_426	1	1.3912	80.6404	T	T	T	T
	2	1.3912	77.6765	T	T	F	F
	3	1.3912	77.615	F	F	F	F
THPYR_04_001	1	1.0877	86.6104	T	T	F	F
	2	1.0877	82.8212	F	T	F	F
	3	1.0877	82.0264	F	T	F	F
THPYR_04_002	1	0.1408	83.0684	F	T	F	F
	2	0.1408	82.2794	F	T	F	F
	3	0.1408	81.572	F	T	F	F
THPYR_04_009	1	0.3174	87.0991	T	T	T	T
	2	0.3174	83.3678	F	F	F	F
	3	0.3174	81.1031	T	T	F	F

THPYR_04_015	1	1.2156	78.6077	F	F	F	F
	2	1.2156	75.5865	F	T	F	F
	3	1.2156	74.9817	F	F	F	F
THPYR_04_016	1	0.4367	80.3659	T	T	F	F
	2	0.4367	77.6753	F	F	F	F
	3	0.4367	77.0385	F	F	F	F
THPYR_04_017	1	0.7434	70.5114	F	F	F	F
	2	0.7434	69.6533	T	T	F	F
	3	0.7434	69.0627	F	F	F	F
THPYR_04_037	1	1.2615	78.5431	T	T	F	F
	2	1.2615	77.5144	F	F	F	F
	3	1.2615	77.2841	T	T	F	F
THPYR_04_038	1	1.8429	79.3888	T	T	F	F
	2	1.8429	79.3037	F	F	F	F
	3	1.8429	74.8621	F	T	F	F
THPYR_04_039	1	0.2929	81.7654	T	T	F	F
	2	0.2929	75.8957	T	T	T	T
	3	0.2929	75.615	F	F	F	F
THPYR_04_047	1	0.8523	85.8046	F	T	F	F
	2	0.8523	82.6678	F	T	F	F
	3	0.8523	79.3205	F	F	F	F
THPYR_04_048	1	0.705	87.193	T	T	F	F
	2	0.705	81.2992	F	F	F	F
	3	0.705	81.1325	T	T	F	F
THPYR_04_052	1	0.4089	80.8823	T	T	F	F
	2	0.4089	80.3887	T	T	F	F
	3	0.4089	78.6672	T	T	F	F
THPYR_04_059	1	1.3176	66.578	T	T	F	F
	2	1.3176	66.3005	T	T	F	F
	3	1.3176	66.1036	T	T	F	F
THPYR_04_060	1	0.0061	72.8988	F	F	F	F
	2	0.0061	70.378	F	F	F	F
	3	0.0061	69.5048	F	T	F	F
THPYR_04_072	1	0.6965	73.9445	T	T	F	F
	2	0.6965	72.5811	F	F	F	F
	3	0.6965	72.5011	F	F	F	F
THPYR_04_076	1	1.1148	82.5491	T	T	F	F
	2	1.1148	82.2821	T	T	F	F
	3	1.1148	78.8683	T	T	T	T
THPYR_04_077	1	1.5535	84.5104	T	T	T	T
	2	1.5535	77.4781	F	T	F	F
	3	1.5535	77.1934	T	T	F	F
THPYR_04_081	1	0.508	85.4	T	T	T	T
	2	0.508	83.6149	T	F	F	F
	3	0.508	83.5426	T	T	F	F

THPYR_04_082	1	0.263	79.952	T	T	T	T
	2	0.263	74.4721	F	T	F	F
	3	0.263	73.8197	F	F	F	F
THPYR_04_083	1	0.3479	78.5676	F	T	F	F
	2	0.3479	78.4731	F	T	F	F
	3	0.3479	78.0705	F	T	F	F
THPYR_04_106	1	0.2966	81.5429	T	T	T	T
	2	0.2966	74.487	T	T	T	T
	3	0.2966	74.3965	F	T	F	F
THPYR_04_114	1	1.1374	83.0723	T	T	F	F
	2	1.1374	82.3002	T	T	F	F
	3	1.1374	79.9602	T	T	F	F
THPYR_04_144	1	1.1593	74.1852	F	F	F	F
	2	1.1593	73.9773	F	F	F	F
	3	1.1593	71.7035	F	F	F	F
THPYR_04_146	1	1.7571	77.928	F	F	F	F
	2	1.7571	75.9998	F	F	F	F
	3	1.7571	73.4781	F	F	F	F
THPYR_04_147	1	1.8906	76.1152	F	F	F	F
	2	1.8906	73.6636	T	F	F	F
	3	1.8906	73.3692	F	T	F	F
THPYR_04_150	1	0.8381	81.9059	T	T	F	F
	2	0.8381	80.225	T	T	F	F
	3	0.8381	79.8238	F	F	F	F
THPYR_04_152	1	0.2439	79.7938	F	F	F	F
	2	0.2439	78.7056	T	T	T	T
	3	0.2439	78.0343	F	T	F	F
THPYR_04_156	1	0.3486	81.6255	F	T	F	F
	2	0.3486	81.2987	F	T	F	F
	3	0.3486	80.4166	F	T	F	F
THPYR_04_185	1	0.8188	80.7628	T	T	T	T
	2	0.8188	79.083	T	T	T	T
	3	0.8188	78.7914	F	F	F	F
THPYR_04_205	1	1.9055	82.55	T	T	T	T
	2	1.9055	80.8135	T	T	F	F
	3	1.9055	76.3647	F	F	F	F
THPYR_04_217	1	0.6525	79.7374	F	F	F	F
	2	0.6525	71.8036	F	T	F	F
	3	0.6525	68.3869	F	T	F	F
THPYR_04_218	1	1.6792	76.6693	F	T	F	F
	2	1.6792	75.5653	T	T	F	F
	3	1.6792	73.2401	F	F	F	F
THPYR_04_221	1	0.2332	85.6225	T	T	F	F
	2	0.2332	78.7488	F	F	F	F
	3	0.2332	76.2949	F	F	F	F

THPYR_04_222	1	1.0755	85.1553	T	T	F	F
	2	1.0755	81.8636	T	T	F	F
	3	1.0755	77.4401	F	T	F	F
THPYR_04_223	1	0.808	81.5731	T	T	F	F
	2	0.808	80.2934	F	T	F	F
	3	0.808	79.4358	F	T	F	F
THPYR_04_226	1	0.1401	75.4905	T	T	F	F
	2	0.1401	73.1121	F	F	F	F
	3	0.1401	71.8069	F	F	F	F
THPYR_04_227	1	0.1621	83.3335	T	T	F	F
	2	0.1621	76.3506	F	F	F	F
	3	0.1621	73.3311	F	T	F	F
THPYR_04_233	1	0.1896	79.1771	T	T	F	F
	2	0.1896	77.1056	F	T	F	F
	3	0.1896	74.1004	F	T	F	F
THPYR_04_234	1	1.1623	77.4431	F	F	F	F
	2	1.1623	77.0452	T	T	F	F
	3	1.1623	74.5026	T	T	F	F
THPYR_04_237	1	0.4065	79.7721	T	F	F	F
	2	0.4065	78.8399	F	T	F	F
	3	0.4065	75.1971	F	F	F	F
THPYR_04_241	1	0.8285	79.9251	T	T	F	F
	2	0.8285	79.6054	T	T	F	F
	3	0.8285	75.8636	T	T	F	F
THPYR_04_251	1	0.2966	77.0398	T	T	F	F
	2	0.2966	75.9887	F	F	F	F
	3	0.2966	75.869	F	F	F	F
THPYR_04_252	1	0.4094	83.6457	T	T	F	F
	2	0.4094	82.5135	T	T	F	F
	3	0.4094	81.893	T	T	F	F
THPYR_04_253	1	1.3999	81.1936	T	F	F	F
	2	1.3999	79.8274	T	T	F	F
	3	1.3999	78.2044	T	T	F	F
THPYR_04_267	1	1.3552	85.5904	T	T	T	T
	2	1.3552	80.3508	F	T	F	F
	3	1.3552	78.2311	F	F	F	F
THPYR_04_274	1	1.113	76.7988	F	F	F	F
	2	1.113	74.8135	F	F	F	F
	3	1.113	74.6757	F	F	F	F
THPYR_04_275	1	1.6665	81.8271	T	T	F	F
	2	1.6665	79.3788	T	T	F	F
	3	1.6665	76.9046	F	F	F	F
THPYR_04_276	1	0.4134	74.1748	T	T	F	F
	2	0.4134	73.7013	T	T	F	F
	3	0.4134	70.4951	F	F	F	F

THPYR_04_278	1	0.2612	83.6764	T	T	F	F
	2	0.2612	79.6209	T	T	F	F
	3	0.2612	78.0906	T	T	F	F
THPYR_04_279	1	0.4064	80.1825	F	F	F	F
	2	0.4064	79.2273	T	F	F	F
	3	0.4064	78.9048	F	F	F	F
THPYR_04_294	1	1.0271	83.3395	T	T	F	F
	2	1.0271	80.9191	F	F	F	F
	3	1.0271	80.8812	F	F	F	F
THPYR_04_297	1	1.158	83.281	T	T	F	F
	2	1.158	83.1722	F	T	F	F
	3	1.158	82.3743	T	T	F	F
THPYR_04_304	1	0.6372	81.1021	T	T	F	F
	2	0.6372	77.4451	F	T	F	F
	3	0.6372	76.5	F	F	F	F
THPYR_04_310	1	0.3311	82.6905	T	T	F	F
	2	0.3311	81.1178	T	T	F	F
	3	0.3311	76.2111	F	F	F	F
THPYR_04_325	1	1.2612	74.6075	F	T	F	F
	2	1.2612	74.3642	T	T	F	F
	3	1.2612	74.1442	T	T	F	F
THPYR_04_329	1	0.349	77.6847	T	T	F	F
	2	0.349	75.6637	T	T	F	F
	3	0.349	70.1115	F	F	F	F
THPYR_04_331	1	1.7474	79.698	T	T	F	F
	2	1.7474	79.5153	T	T	F	F
	3	1.7474	75.3976	T	T	F	F
THPYR_04_342	1	0.2726	81.1898	T	T	F	F
	2	0.2726	73.0913	F	T	F	F
	3	0.2726	69.6228	F	F	F	F
THPYR_04_343	1	0.2147	83.9921	T	F	F	F
	2	0.2147	73.4752	F	T	F	F
	3	0.2147	73.1709	F	F	F	F
THPYR_04_344	1	1.5177	73.5292	F	F	F	F
	2	1.5177	70.8447	F	F	F	F
	3	1.5177	70.3589	T	F	F	F
THPYR_04_346	1	1.8072	75.4785	T	T	F	F
	2	1.8072	74.4589	T	T	F	F
	3	1.8072	71.7116	T	T	F	F
THPYR_04_349	1	0.4256	84.2994	T	T	F	F
	2	0.4256	79.9051	F	F	F	F
	3	0.4256	74.337	F	F	F	F
THPYR_04_351	1	0.2738	82.6526	F	F	F	F
	2	0.2738	79.3742	F	F	F	F
	3	0.2738	72.9125	T	F	F	F

THPYR_04_355	1	0.1931	85.5755	T	T	F	F
	2	0.1931	78.8678	F	F	F	F
	3	0.1931	76.8703	F	T	F	F
THPYR_04_365	1	0.6769	77.1344	F	F	F	F
	2	0.6769	73.215	T	T	T	T
	3	0.6769	70.5329	F	F	F	F
THPYR_04_371	1	0.0938	77.7217	F	F	F	F
	2	0.0938	77.6459	F	F	F	F
	3	0.0938	77.4102	F	F	F	F
THPYR_04_372	1	1.1628	73.9925	F	F	F	F
	2	1.1628	73.7482	F	F	F	F
	3	1.1628	70.8392	F	F	F	F
THPYR_04_373	1	1.3164	77.1597	F	F	F	F
	2	1.3164	74.3009	T	T	F	F
	3	1.3164	72.4572	F	F	F	F
THPYR_04_377	1	1.0967	78.8354	T	T	T	T
	2	1.0967	75.1659	F	F	F	F
	3	1.0967	73.7764	F	F	F	F
THPYR_04_378	1	1.2537	78.6634	F	T	F	F
	2	1.2537	73.1036	T	T	F	F
	3	1.2537	72.7185	F	F	F	F
THPYR_04_385	1	1.5191	77.5267	T	T	F	F
	2	1.5191	76.2265	F	T	F	F
	3	1.5191	74.9685	F	F	F	F
THPYR_04_386	1	0.7762	88.3322	T	T	F	F
	2	0.7762	87.187	T	T	F	F
	3	0.7762	82.6817	F	F	F	F
THPYR_04_388	1	1.3449	83.1258	F	F	F	F
	2	1.3449	81.4872	T	T	F	F
	3	1.3449	76.3615	F	T	F	F
THPYR_04_389	1	0.2639	72.6956	F	F	F	F
	2	0.2639	71.8611	F	F	F	F
	3	0.2639	71.2878	F	F	F	F
THPYR_04_394	1	0.2165	86.8218	T	T	T	T
	2	0.2165	81.2987	T	T	F	F
	3	0.2165	80.4294	F	F	F	F
THPYR_04_397	1	0.8449	87.8376	T	T	T	T
	2	0.8449	85.2998	T	T	F	F
	3	0.8449	77.5107	T	T	F	F
THPYR_04_398	1	1.6218	84.352	T	T	F	F
	2	1.6218	83.5304	T	T	F	F
	3	1.6218	83.2256	T	T	F	F
THPYR_04_399	1	0.6009	87.6853	T	T	F	F
	2	0.6009	85.5076	T	T	T	T
	3	0.6009	82.2639	F	F	F	F

THPYR_04_400	1	0.4226	82.2178	T	T	F	F
	2	0.4226	75.4633	T	T	T	T
	3	0.4226	73.3887	F	F	F	F
THPYR_04_402	1	0.8796	80.8416	F	F	F	F
	2	0.8796	76.2359	F	F	F	F
	3	0.8796	74.5616	F	F	F	F
THPYR_04_403	1	0.2495	77.0342	T	F	F	F
	2	0.2495	74.4344	F	F	F	F
	3	0.2495	72.2089	F	F	F	F
THPYR_04_407	1	0.1234	83.2711	T	T	F	F
	2	0.1234	81.5196	T	T	F	F
	3	0.1234	79.0955	T	T	T	T
THPYR_04_411	1	0.9596	82.2258	T	T	F	F
	2	0.9596	80.1955	F	F	F	F
	3	0.9596	78.2487	F	F	F	F
THPYR_04_412	1	0.8498	86.8317	T	T	F	F
	2	0.8498	81.6246	T	T	T	T
	3	0.8498	80.4179	T	T	F	F
THPYR_04_413	1	0.9253	78.4334	T	T	F	F
	2	0.9253	75.8579	T	T	F	F
	3	0.9253	73.1357	F	F	F	F
THPYR_04_416	1	1.4962	83.7461	T	T	F	F
	2	1.4962	74.3087	T	T	F	F
	3	1.4962	72.563	F	F	F	F
THPYR_04_417	1	1.2604	78.9349	F	F	F	F
	2	1.2604	75.3843	T	T	F	F
	3	1.2604	75.2576	F	T	F	F
THPYR_04_418	1	0.7271	80.5663	F	F	F	F
	2	0.7271	78.6351	T	T	F	F
	3	0.7271	76.3897	T	T	F	F
THPYR_04_419	1	0.9587	86.0859	T	T	F	F
	2	0.9587	80.1515	F	F	F	F
	3	0.9587	77.8245	F	F	F	F
THPYR_04_420	1	0.3683	85.1717	T	T	T	T
	2	0.3683	83.3074	T	T	T	T
	3	0.3683	80.9401	F	F	F	F
THPYR_04_426	1	0.4376	81.8956	F	F	F	F
	2	0.4376	81.6551	F	T	F	F
	3	0.4376	80.5584	T	T	F	F
THPYR_04_427	1	0.6003	81.1489	F	F	F	F
	2	0.6003	76.8803	F	F	F	F
	3	0.6003	76.1655	F	F	F	F
THPYR_04_428	1	0.5416	90.5459	T	T	T	T
	2	0.5416	82.9861	F	F	F	F
	3	0.5416	81.2495	F	F	F	F

THPYR_04_429	1	0.9694	86.1327	T	T	F	F
	2	0.9694	86.0086	F	T	F	F
	3	0.9694	84.2505	T	F	F	F
THPYR_04_430	1	0.8722	82.4084	F	F	F	F
	2	0.8722	82.3021	T	T	F	F
	3	0.8722	77.6356	T	T	F	F
THPYR_05_001	1	1.2776	85.2223	F	T	F	F
	2	1.2776	81.5942	T	T	F	F
	3	1.2776	79.4174	T	T	F	F
THPYR_05_002	1	0.1285	83.7222	T	T	F	F
	2	0.1285	80.6876	F	T	F	F
	3	0.1285	80.0011	F	T	F	F
THPYR_05_009	1	0.2442	80.5727	F	F	F	F
	2	0.2442	77.2675	F	F	F	F
	3	0.2442	75.347	T	T	T	T
THPYR_05_015	1	1.1923	79.6852	F	F	F	F
	2	1.1923	74.8127	F	F	F	F
	3	1.1923	73.3327	F	F	F	F
THPYR_05_016	1	0.5596	81.4294	T	T	F	F
	2	0.5596	78.4864	F	F	F	F
	3	0.5596	78.2526	T	T	F	F
THPYR_05_017	1	0.842	74.8048	F	F	F	F
	2	0.842	63.3185	F	F	F	F
	3	0.842	62.5648	F	F	F	F
THPYR_05_037	1	0.7495	79.1152	F	F	F	F
	2	0.7495	76.7729	F	F	F	F
	3	0.7495	70.6175	F	F	F	F
THPYR_05_038	1	1.1122	82.2172	T	T	F	F
	2	1.1122	80.2492	T	T	F	F
	3	1.1122	77.4908	F	F	F	F
THPYR_05_039	1	0.2336	87.6755	T	T	F	F
	2	0.2336	83.7623	T	T	T	T
	3	0.2336	80.8723	T	T	F	F
THPYR_05_041	1	1.5438	78.4426	T	T	F	F
	2	1.5438	76.1378	T	T	F	F
	3	1.5438	75.7519	T	T	F	F
THPYR_05_047	1	1.3709	84.3847	F	F	F	F
	2	1.3709	82.548	T	T	F	F
	3	1.3709	82.4341	F	F	F	F
THPYR_05_048	1	0.9605	81.4045	T	F	F	F
	2	0.9605	80.3365	T	T	T	T
	3	0.9605	76.9827	T	T	F	F
THPYR_05_052	1	0.6446	82.6518	F	F	F	F
	2	0.6446	81.9517	T	T	F	F
	3	0.6446	80.8908	T	T	F	F

THPYR_05_059	1	1.3568	71.0133	T	T	F	F
	2	1.3568	65.8489	T	T	F	F
	3	1.3568	63.6183	T	T	F	F
THPYR_05_060	1	0.0061	79.5152	T	T	F	F
	2	0.0061	70.0118	F	F	F	F
	3	0.0061	67.2979	F	F	F	F
THPYR_05_072	1	0.6961	78.975	F	F	F	F
	2	0.6961	75.0057	F	F	F	F
	3	0.6961	73.1398	F	F	F	F
THPYR_05_076	1	1.1598	82.482	T	T	F	F
	2	1.1598	80.3671	T	T	F	F
	3	1.1598	78.7984	T	T	F	F
THPYR_05_077	1	1.191	84.0389	T	T	T	T
	2	1.191	83.8526	T	T	T	T
	3	1.191	78.6362	T	T	F	F
THPYR_05_081	1	0.544	88.0221	T	T	F	F
	2	0.544	81.4487	T	T	T	T
	3	0.544	79.5366	T	T	F	F
THPYR_05_082	1	0.2353	87.7946	T	T	F	F
	2	0.2353	85.7736	T	T	T	T
	3	0.2353	75.8029	F	F	F	F
THPYR_05_083	1	0.3326	78.6287	F	T	F	F
	2	0.3326	75.6004	F	F	F	F
	3	0.3326	75.5398	F	F	F	F
THPYR_05_106	1	0.3126	85.5743	T	T	T	T
	2	0.3126	75.0977	T	T	T	T
	3	0.3126	75.0221	F	T	F	F
THPYR_05_114	1	1.1918	81.0234	T	T	F	F
	2	1.1918	79.1683	T	T	F	F
	3	1.1918	76.3196	T	T	T	T
THPYR_05_144	1	1.0718	74.1846	T	T	F	F
	2	1.0718	73.1882	T	T	F	F
	3	1.0718	71.736	F	F	F	F
THPYR_05_146	1	1.5585	80.5291	T	T	F	F
	2	1.5585	74.7355	F	F	F	F
	3	1.5585	74.1	T	T	F	F
THPYR_05_150	1	0.8209	82.9924	F	F	F	F
	2	0.8209	76.0172	T	T	F	F
	3	0.8209	75.9754	F	T	F	F
THPYR_05_152	1	0.3065	81.4792	F	F	F	F
	2	0.3065	80.4151	T	T	F	F
	3	0.3065	78.6514	T	T	F	F
THPYR_05_156	1	0.3144	84.1432	F	T	F	F
	2	0.3144	82.6782	F	T	F	F
	3	0.3144	82.0979	F	T	F	F

THPYR_05_182	1	1.8488	82.7718	T	T	F	F
	2	1.8488	81.5687	T	T	T	T
	3	1.8488	76.04	F	F	F	F
THPYR_05_185	1	0.9667	81.5371	T	T	F	F
	2	0.9667	80.4733	T	T	F	F
	3	0.9667	80.3268	T	T	F	F
THPYR_05_189	1	1.3113	84.45	T	T	F	F
	2	1.3113	79.0878	F	F	F	F
	3	1.3113	76.9006	F	F	F	F
THPYR_05_214	1	1.7997	80.0273	F	F	F	F
	2	1.7997	78.1933	T	T	F	F
	3	1.7997	77.5921	T	T	F	F
THPYR_05_217	1	1.4672	81.5541	T	T	F	F
	2	1.4672	77.9465	T	T	F	F
	3	1.4672	71.6873	F	F	F	F
THPYR_05_218	1	1.6604	74.2077	F	F	F	F
	2	1.6604	73.3278	F	F	F	F
	3	1.6604	72.7059	F	T	F	F
THPYR_05_220	1	1.1269	84.1385	T	T	F	F
	2	1.1269	78.4391	F	T	F	F
	3	1.1269	77.1599	T	T	F	F
THPYR_05_221	1	0.1204	79.5464	T	T	F	F
	2	0.1204	78.7019	T	T	F	F
	3	0.1204	78.6448	T	T	F	F
THPYR_05_222	1	1.212	84.1658	T	T	F	F
	2	1.212	82.3066	T	T	T	T
	3	1.212	77.8504	F	T	F	F
THPYR_05_223	1	0.973	81.9399	F	T	F	F
	2	0.973	80.8762	T	T	F	F
	3	0.973	80.4071	T	T	F	F
THPYR_05_226	1	0.1566	79.7352	T	T	F	F
	2	0.1566	79.0472	T	T	F	F
	3	0.1566	73.5651	T	T	F	F
THPYR_05_227	1	0.1832	72.9725	F	T	F	F
	2	0.1832	72.152	F	F	F	F
	3	0.1832	71.937	F	F	F	F
THPYR_05_233	1	0.2405	81.6586	F	F	F	F
	2	0.2405	80.3892	T	F	F	F
	3	0.2405	76.5359	F	T	F	F
THPYR_05_234	1	1.1569	80.7131	F	T	F	F
	2	1.1569	77.6008	T	T	F	F
	3	1.1569	76.3646	T	T	F	F
THPYR_05_237	1	0.3624	82.6735	T	T	F	F
	2	0.3624	79.218	T	T	F	F
	3	0.3624	74.9267	F	F	F	F

THPYR_05_241	1	1.075	77.6632	T	T	F	F
	2	1.075	77.3882	F	F	F	F
	3	1.075	72.3451	F	F	F	F
THPYR_05_251	1	0.4172	85.6154	T	T	F	F
	2	0.4172	80.2321	T	T	F	F
	3	0.4172	79.6142	T	T	F	F
THPYR_05_252	1	0.4579	83.1009	T	T	F	F
	2	0.4579	80.6865	T	T	F	F
	3	0.4579	80.4075	T	T	F	F
THPYR_05_253	1	1.5996	78.3767	T	T	F	F
	2	1.5996	75.2802	F	F	F	F
	3	1.5996	73.9378	F	T	F	F
THPYR_05_267	1	1.129	80.5355	T	T	T	T
	2	1.129	80.4068	F	T	F	F
	3	1.129	80.0052	F	F	F	F
THPYR_05_274	1	1.6014	79.3018	F	F	F	F
	2	1.6014	72.3349	F	F	F	F
	3	1.6014	71.9887	F	F	F	F
THPYR_05_276	1	0.2068	76.0534	T	T	F	F
	2	0.2068	73.1177	T	T	F	F
	3	0.2068	72.9116	T	T	F	F
THPYR_05_278	1	0.2782	79.6955	T	T	F	F
	2	0.2782	72.41	F	F	F	F
	3	0.2782	71.806	F	F	F	F
THPYR_05_279	1	0.3245	89.2102	T	T	F	F
	2	0.3245	82.6566	T	F	F	F
	3	0.3245	75.9131	T	T	F	F
THPYR_05_294	1	1.0641	80.9709	T	T	F	F
	2	1.0641	77.7788	F	F	F	F
	3	1.0641	77.0786	F	F	F	F
THPYR_05_297	1	1.1604	83.3905	F	T	F	F
	2	1.1604	81.1353	F	F	F	F
	3	1.1604	79.5258	F	T	F	F
THPYR_05_303	1	0.5246	86.8837	T	T	F	F
	2	0.5246	84.096	F	T	F	F
	3	0.5246	83.5415	T	T	F	F
THPYR_05_304	1	0.455	80.6331	T	T	F	F
	2	0.455	80.6052	T	T	F	F
	3	0.455	73.9729	F	F	F	F
THPYR_05_310	1	0.3827	76.1913	F	F	F	F
	2	0.3827	75.1112	F	F	F	F
	3	0.3827	72.4059	F	F	F	F
THPYR_05_315	1	0.6249	86.4752	T	T	T	T
	2	0.6249	80.5586	T	T	F	F
	3	0.6249	73.8264	F	F	F	F

THPYR_05_325	1	1.2549	77.5297	T	T	F	F
	2	1.2549	77.0901	T	T	T	T
	3	1.2549	76.8257	T	T	F	F
THPYR_05_329	1	0.5682	80.8753	T	T	F	F
	2	0.5682	77.7195	T	T	F	F
	3	0.5682	75.2676	T	T	F	F
THPYR_05_331	1	1.8471	78.7419	T	T	F	F
	2	1.8471	76.3531	T	T	F	F
	3	1.8471	74.7058	T	T	F	F
THPYR_05_341	1	1.4696	84.0212	T	T	F	F
	2	1.4696	73.8424	T	T	F	F
	3	1.4696	67.4222	F	F	F	F
THPYR_05_342	1	0.2938	77.7606	T	T	F	F
	2	0.2938	74.5474	T	T	F	F
	3	0.2938	74.5314	F	F	F	F
THPYR_05_343	1	0.2259	79.7156	T	T	F	F
	2	0.2259	74.1419	F	T	F	F
	3	0.2259	73.697	F	T	F	F
THPYR_05_344	1	1.6319	77.5304	T	T	F	F
	2	1.6319	74.2044	T	F	F	F
	3	1.6319	73.8462	T	T	F	F
THPYR_05_346	1	1.8958	77.1993	T	T	F	F
	2	1.8958	73.2116	F	T	F	F
	3	1.8958	72.4642	T	T	F	F
THPYR_05_347	1	1.4921	78.9275	T	T	F	F
	2	1.4921	78.6179	T	T	F	F
	3	1.4921	76.2406	F	F	F	F
THPYR_05_348	1	0.6498	84.9503	T	T	F	F
	2	0.6498	82.6993	T	T	F	F
	3	0.6498	74.8373	F	F	F	F
THPYR_05_349	1	0.3464	80.5189	T	F	F	F
	2	0.3464	78.8081	F	T	F	F
	3	0.3464	76.8356	F	T	F	F
THPYR_05_351	1	0.2686	76.835	T	T	F	F
	2	0.2686	76.6707	T	T	F	F
	3	0.2686	72.6979	F	T	F	F
THPYR_05_352	1	1.3173	83.3965	T	T	F	F
	2	1.3173	77.3148	T	T	F	F
	3	1.3173	75.4783	T	T	F	F
THPYR_05_355	1	0.183	78.9101	F	F	F	F
	2	0.183	78.6283	F	F	F	F
	3	0.183	75.2179	F	F	F	F
THPYR_05_365	1	0.8584	85.4074	T	T	F	F
	2	0.8584	83.4704	T	T	F	F
	3	0.8584	80.9868	T	T	F	F

THPYR_05_371	1	0.1083	80.0632	F	T	F	F
	2	0.1083	79.6694	F	F	F	F
	3	0.1083	76.0878	F	F	F	F
THPYR_05_372	1	0.973	78.7929	F	F	F	F
	2	0.973	76.3734	F	T	F	F
	3	0.973	74.1731	T	F	F	F
THPYR_05_373	1	1.4191	80.2395	T	T	F	F
	2	1.4191	79.9742	T	T	F	F
	3	1.4191	78.2553	T	T	F	F
THPYR_05_377	1	1.3222	80.1145	T	T	F	F
	2	1.3222	78.1169	T	T	F	F
	3	1.3222	76.883	F	F	F	F
THPYR_05_378	1	1.4488	74.9427	T	T	F	F
	2	1.4488	70.3851	T	T	F	F
	3	1.4488	70.2992	T	T	F	F
THPYR_05_385	1	1.2951	76.5176	F	T	F	F
	2	1.2951	75.985	F	T	F	F
	3	1.2951	75.4371	F	T	F	F
THPYR_05_386	1	0.6431	89.9949	T	T	T	T
	2	0.6431	78.2347	F	F	F	F
	3	0.6431	75.1378	F	F	F	F
THPYR_05_388	1	1.3268	79.3871	T	T	F	F
	2	1.3268	77.5153	T	T	F	F
	3	1.3268	71.5859	F	F	F	F
THPYR_05_389	1	0.207	74.3498	T	T	F	F
	2	0.207	73.3897	F	F	F	F
	3	0.207	71.7602	F	F	F	F
THPYR_05_394	1	0.1882	85.5732	T	T	F	F
	2	0.1882	80.6511	F	F	F	F
	3	0.1882	79.9613	F	F	F	F
THPYR_05_397	1	0.8091	80.6438	T	T	F	F
	2	0.8091	79.2726	F	F	F	F
	3	0.8091	76.4567	T	T	F	F
THPYR_05_398	1	1.6203	81.291	T	T	F	F
	2	1.6203	79.543	T	T	F	F
	3	1.6203	77.9223	T	T	F	F
THPYR_05_399	1	0.6053	84.998	T	T	T	T
	2	0.6053	83.5574	F	T	F	F
	3	0.6053	81.7417	F	F	F	F
THPYR_05_400	1	0.4708	80.1047	F	F	F	F
	2	0.4708	79.8089	T	T	F	F
	3	0.4708	76.0748	T	T	F	F
THPYR_05_402	1	0.7178	87.5158	T	T	F	F
	2	0.7178	80.3028	F	F	F	F
	3	0.7178	75.3818	F	F	F	F

THPYR_05_403	1	0.3065	77.8597	F	T	F	F
	2	0.3065	76.9562	F	T	F	F
	3	0.3065	73.7704	F	T	F	F
THPYR_05_407	1	0.1565	86.4981	T	T	F	F
	2	0.1565	82.4495	T	T	F	F
	3	0.1565	79.7856	F	T	F	F
THPYR_05_411	1	0.5238	85.0228	F	F	F	F
	2	0.5238	79.4999	F	F	F	F
	3	0.5238	79.1208	F	F	F	F
THPYR_05_412	1	1.6478	82.9488	T	T	T	T
	2	1.6478	82.7091	T	T	F	F
	3	1.6478	82.335	F	F	F	F
THPYR_05_413	1	1.3155	79.8403	T	T	F	F
	2	1.3155	78.7224	T	T	F	F
	3	1.3155	74.7937	F	F	F	F
THPYR_05_415	1	1.5129	86.951	F	F	F	F
	2	1.5129	82.1948	F	F	F	F
	3	1.5129	76.4962	T	T	F	F
THPYR_05_416	1	0.9815	82.0906	F	F	F	F
	2	0.9815	78.1547	F	F	F	F
	3	0.9815	76.5832	F	T	F	F
THPYR_05_417	1	0.7506	79.526	F	F	F	F
	2	0.7506	78.4348	T	T	F	F
	3	0.7506	75.0313	T	T	F	F
THPYR_05_418	1	0.5708	82.5823	F	F	F	F
	2	0.5708	80.3396	F	T	F	F
	3	0.5708	73.8804	F	F	F	F
THPYR_05_419	1	0.9784	77.9189	T	T	F	F
	2	0.9784	76.6684	F	F	F	F
	3	0.9784	74.7351	F	F	F	F
THPYR_05_420	1	0.2897	84.6917	T	T	T	T
	2	0.2897	83.4341	T	T	F	F
	3	0.2897	77.9371	T	T	T	T
THPYR_05_426	1	0.8829	74.8609	F	F	F	F
	2	0.8829	74.7788	F	F	F	F
	3	0.8829	71.9619	F	F	F	F
THPYR_05_427	1	0.5438	79.7084	F	F	F	F
	2	0.5438	71.669	F	F	F	F
	3	0.5438	71.1889	F	T	F	F
THPYR_05_428	1	0.4644	83.3361	T	T	F	F
	2	0.4644	80.4126	F	F	F	F
	3	0.4644	78.648	F	T	F	F
THPYR_05_429	1	1.0106	77.2073	T	T	F	F
	2	1.0106	76.8097	F	T	F	F
	3	1.0106	76.6358	F	F	F	F

THPYR_05_430	1	0.9632	85.2051	T	T	F	F
	2	0.9632	84.1925	T	T	F	F
	3	0.9632	79.165	T	T	F	F
THPYR_06_001	1	1.3474	84.9839	F	T	F	F
	2	1.3474	83.012	T	T	F	F
	3	1.3474	82.8222	T	T	F	F
THPYR_06_002	1	0.3479	84.4806	T	T	F	F
	2	0.3479	83.8754	T	T	F	F
	3	0.3479	83.0499	T	T	F	F
THPYR_06_009	1	0.2782	88.0529	T	T	F	F
	2	0.2782	86.1565	T	T	F	F
	3	0.2782	85.6601	T	T	F	F
THPYR_06_016	1	0.3479	83.2074	T	T	F	F
	2	0.3479	82.4693	T	T	F	F
	3	0.3479	81.1752	T	T	F	F
THPYR_06_017	1	0.8054	82.2822	T	T	T	T
	2	0.8054	69.2153	F	F	F	F
	3	0.8054	68.5893	F	T	F	F
THPYR_06_037	1	0.7898	84.3311	T	T	F	F
	2	0.7898	83.8092	T	T	F	F
	3	0.7898	78.7086	F	F	F	F
THPYR_06_038	1	1.2128	84.6698	T	T	F	F
	2	1.2128	83.5573	T	T	F	F
	3	1.2128	79.6209	F	F	F	F
THPYR_06_039	1	0.2153	84.6303	T	T	T	T
	2	0.2153	82.7563	T	T	F	F
	3	0.2153	78.4978	T	T	T	T
THPYR_06_041	1	1.6788	79.933	T	T	F	F
	2	1.6788	78.9307	T	T	F	F
	3	1.6788	78.7774	F	F	F	F
THPYR_06_047	1	1.5838	87.6079	F	T	F	F
	2	1.5838	81.0126	T	F	F	F
	3	1.5838	80.0902	F	T	F	F
THPYR_06_048	1	0.8162	92.6394	T	T	T	T
	2	0.8162	84.3073	T	T	F	F
	3	0.8162	79.5298	T	T	F	F
THPYR_06_052	1	1.328	85.0751	T	T	F	F
	2	1.328	82.3234	T	T	F	F
	3	1.328	81.8959	T	T	T	T
THPYR_06_059	1	1.2921	73.3956	T	T	F	F
	2	1.2921	71.4622	T	T	F	F
	3	1.2921	69.1591	T	T	F	F
THPYR_06_060	1	0.0052	81.6589	T	T	F	F
	2	0.0052	79.9928	T	T	F	F
	3	0.0052	77.3132	F	F	F	F

THPYR_06_061	1	0.9382	79.8604	T	T	F	F
	2	0.9382	78.9012	T	F	F	F
	3	0.9382	77.4338	T	T	F	F
THPYR_06_072	1	1.5321	74.5361	F	F	F	F
	2	1.5321	72.9882	F	F	F	F
	3	1.5321	69.0944	F	F	F	F
THPYR_06_076	1	1.1625	86.6339	T	T	T	T
	2	1.1625	84.0722	T	T	T	T
	3	1.1625	81.3979	T	T	F	F
THPYR_06_077	1	1.8026	81.6177	F	T	F	F
	2	1.8026	81.1571	T	T	F	F
	3	1.8026	80.8169	T	T	F	F
THPYR_06_081	1	0.4776	87.4637	T	T	F	F
	2	0.4776	87.36	T	T	T	T
	3	0.4776	86.019	T	T	F	F
THPYR_06_082	1	0.1201	91.4627	T	T	T	T
	2	0.1201	87.7911	T	T	T	T
	3	0.1201	82.8544	T	T	T	T
THPYR_06_083	1	0.4725	86.98	T	T	T	T
	2	0.4725	78.3228	T	T	F	F
	3	0.4725	77.923	T	T	F	F
THPYR_06_106	1	0.2446	88.4336	T	T	F	F
	2	0.2446	84.4968	T	T	T	T
	3	0.2446	84.3338	T	T	T	T
THPYR_06_114	1	1.2266	82.4418	T	T	T	T
	2	1.2266	81.0419	T	T	F	F
	3	1.2266	80.9983	F	F	F	F
THPYR_06_150	1	0.5289	86.024	T	T	F	F
	2	0.5289	84.1321	T	T	F	F
	3	0.5289	82.6808	T	T	F	F
THPYR_06_152	1	0.2844	84.1795	F	F	F	F
	2	0.2844	84.1141	T	T	T	T
	3	0.2844	82.7797	T	T	T	T
THPYR_06_156	1	0.1878	85.2845	T	T	F	F
	2	0.1878	81.7873	T	T	F	F
	3	0.1878	81.5371	T	T	F	F
THPYR_06_185	1	0.9022	84.5333	T	T	F	F
	2	0.9022	82.9049	T	T	F	F
	3	0.9022	82.7147	T	T	T	T
THPYR_06_189	1	1.7262	88.7268	T	T	T	T
	2	1.7262	86.3764	T	T	T	T
	3	1.7262	81.6664	T	T	F	F
THPYR_06_217	1	0.3111	84.1755	F	F	F	F
	2	0.3111	83.2833	T	T	F	F
	3	0.3111	76.1212	F	F	F	F

THPYR_06_220	1	1.7266	84.9143	T	T	F	F
	2	1.7266	83.8175	T	T	F	F
	3	1.7266	81.9616	F	T	F	F
THPYR_06_221	1	0.187	83.2566	T	T	F	F
	2	0.187	81.2486	T	T	F	F
	3	0.187	80.6795	T	T	F	F
THPYR_06_222	1	1.0462	83.9867	T	T	F	F
	2	1.0462	81.2575	T	T	F	F
	3	1.0462	78.1567	T	T	F	F
THPYR_06_223	1	0.863	82.4432	T	T	F	F
	2	0.863	81.7388	T	T	F	F
	3	0.863	80.9332	F	T	F	F
THPYR_06_226	1	0.1395	84.4504	T	T	F	F
	2	0.1395	82.5113	T	T	F	F
	3	0.1395	81.1258	T	T	F	F
THPYR_06_227	1	0.1729	79.4264	T	T	F	F
	2	0.1729	78.9126	T	T	F	F
	3	0.1729	76.2534	F	F	F	F
THPYR_06_233	1	0.1352	84.9539	T	T	F	F
	2	0.1352	84.8608	T	T	F	F
	3	0.1352	80.814	T	T	F	F
THPYR_06_234	1	1.0812	78.2033	F	F	F	F
	2	1.0812	77.5703	T	T	F	F
	3	1.0812	76.7324	F	T	F	F
THPYR_06_237	1	0.1769	85.8358	T	F	F	F
	2	0.1769	75.0153	F	F	F	F
	3	0.1769	74.8386	F	T	F	F
THPYR_06_241	1	0.9462	82.3377	T	T	F	F
	2	0.9462	80.4992	T	T	F	F
	3	0.9462	80.416	T	T	F	F
THPYR_06_248	1	1.1918	64.5987	F	F	F	F
	2	1.1918	64.4358	F	F	F	F
	3	1.1918	61.6997	F	F	F	F
THPYR_06_249	1	1.7183	83.4868	T	T	T	T
	2	1.7183	83.1929	T	T	F	F
	3	1.7183	83.0811	F	F	F	F
THPYR_06_251	1	0.2808	83.5431	T	T	F	F
	2	0.2808	78.1955	T	T	F	F
	3	0.2808	77.6921	T	T	F	F
THPYR_06_252	1	0.3575	85.5202	T	T	F	F
	2	0.3575	85.2661	T	T	F	F
	3	0.3575	82.7491	T	T	F	F
THPYR_06_254	1	1.9253	86.1402	T	T	T	T
	2	1.9253	84.3288	T	T	F	F
	3	1.9253	82.8165	T	T	F	F

THPYR_06_267	1	1.1735	86.7448	T	T	F	F
	2	1.1735	83.7039	T	T	T	T
	3	1.1735	82.5766	T	T	F	F
THPYR_06_274	1	0.869	79.1811	F	F	F	F
	2	0.869	78.0699	F	F	F	F
	3	0.869	73.8731	F	T	F	F
THPYR_06_275	1	1.9616	82.555	F	F	F	F
	2	1.9616	80.1223	T	T	F	F
	3	1.9616	80.0216	T	T	F	F
THPYR_06_276	1	0.3475	78.2671	T	T	F	F
	2	0.3475	77.3429	F	F	F	F
	3	0.3475	76.1357	T	T	F	F
THPYR_06_278	1	0.2102	85.8334	T	T	F	F
	2	0.2102	85.178	T	T	F	F
	3	0.2102	81.9102	F	F	F	F
THPYR_06_279	1	0.4661	85.8831	T	T	F	F
	2	0.4661	85.0861	T	T	F	F
	3	0.4661	80.9825	T	T	F	F
THPYR_06_281	1	1.7037	86.8595	F	F	F	F
	2	1.7037	86.2295	F	F	F	F
	3	1.7037	81.3577	T	T	T	T
THPYR_06_294	1	1.4002	79.348	T	T	F	F
	2	1.4002	77.039	T	T	F	F
	3	1.4002	75.4404	F	F	F	F
THPYR_06_295	1	1.6604	80.6113	T	T	F	F
	2	1.6604	78.7028	T	T	F	F
	3	1.6604	78.5919	F	F	F	F
THPYR_06_297	1	0.9281	84.3991	T	F	F	F
	2	0.9281	84.1164	F	F	F	F
	3	0.9281	82.8636	F	T	F	F
THPYR_06_301	1	0.9082	84.339	F	F	F	F
	2	0.9082	83.9164	F	F	F	F
	3	0.9082	83.099	F	F	F	F
THPYR_06_303	1	0.5055	78.3087	F	T	F	F
	2	0.5055	76.8047	F	F	F	F
	3	0.5055	76.1794	T	F	F	F
THPYR_06_304	1	0.4226	84.0587	T	T	F	F
	2	0.4226	78.0089	F	F	F	F
	3	0.4226	77.7306	T	T	F	F
THPYR_06_310	1	0.3272	84.6359	T	T	F	F
	2	0.3272	77.2507	T	T	F	F
	3	0.3272	76.9505	F	T	F	F
THPYR_06_315	1	0.4861	84.8927	T	T	F	F
	2	0.4861	82.8272	T	T	F	F
	3	0.4861	82.766	T	T	T	T

THPYR_06_325	1	1.3335	81.2166	T	T	T	T
	2	1.3335	80.1185	T	T	T	T
	3	1.3335	80.0659	T	T	F	F
THPYR_06_329	1	0.6728	85.9324	T	T	F	F
	2	0.6728	80.5033	T	T	F	F
	3	0.6728	77.1421	F	F	F	F
THPYR_06_341	1	0.7506	88.5489	T	T	F	F
	2	0.7506	80.5919	T	T	F	F
	3	0.7506	78.7639	T	F	F	F
THPYR_06_342	1	0.1965	77.0465	T	T	F	F
	2	0.1965	71.2217	F	F	F	F
	3	0.1965	71.1231	F	F	F	F
THPYR_06_343	1	0.1753	82.1685	T	T	F	F
	2	0.1753	79.4121	T	T	F	F
	3	0.1753	76.2073	T	T	F	F
THPYR_06_347	1	0.7042	83.5434	T	T	F	F
	2	0.7042	83.5141	T	T	F	F
	3	0.7042	82.5909	T	T	F	F
THPYR_06_348	1	0.5353	85.0778	T	T	F	F
	2	0.5353	76.882	F	F	F	F
	3	0.5353	75.1496	F	T	F	F
THPYR_06_349	1	0.6041	82.5624	T	T	F	F
	2	0.6041	82.3387	F	F	F	F
	3	0.6041	81.3416	T	T	F	F
THPYR_06_351	1	0.273	79.2683	T	T	F	F
	2	0.273	79.2267	T	T	F	F
	3	0.273	78.8609	F	F	F	F
THPYR_06_352	1	1.0554	81.7233	T	T	F	F
	2	1.0554	80.5219	T	T	F	F
	3	1.0554	80.3146	T	T	F	F
THPYR_06_355	1	0.2092	83.9415	T	F	F	F
	2	0.2092	83.8768	T	T	F	F
	3	0.2092	83.3956	T	T	F	F
THPYR_06_365	1	1.2871	86.6925	F	F	F	F
	2	1.2871	86.5084	F	F	F	F
	3	1.2871	80.9344	T	F	F	F
THPYR_06_371	1	0.1604	86.668	T	T	F	F
	2	0.1604	76.8498	T	T	F	F
	3	0.1604	76.7075	F	F	F	F
THPYR_06_373	1	1.5125	82.1183	T	T	F	F
	2	1.5125	80.2785	T	T	F	F
	3	1.5125	80.2309	F	T	F	F
THPYR_06_377	1	0.633	83.7549	T	T	F	F
	2	0.633	79.464	T	T	T	T
	3	0.633	79.3956	T	T	F	F

THPYR_06_385	1	1.8863	83.5622	T	T	F	F
	2	1.8863	82.8311	F	T	F	F
	3	1.8863	82.4242	T	T	F	F
THPYR_06_386	1	0.5253	88.1712	T	T	F	F
	2	0.5253	77.8107	T	T	T	T
	3	0.5253	75.6246	T	T	F	F
THPYR_06_388	1	1.1841	78.111	T	T	F	F
	2	1.1841	78.0899	F	F	F	F
	3	1.1841	76.9546	T	T	F	F
THPYR_06_389	1	1.0529	75.7934	T	T	F	F
	2	1.0529	74.8788	F	F	F	F
	3	1.0529	73.7706	F	F	F	F
THPYR_06_394	1	0.1072	89.1956	T	T	F	F
	2	0.1072	87.1457	T	T	F	F
	3	0.1072	86.6798	T	T	T	T
THPYR_06_395	1	1.9275	60.3631	F	F	F	F
	2	1.9275	59.6125	T	T	F	F
	3	1.9275	57.0003	T	T	F	F
THPYR_06_397	1	0.7887	85.4655	T	T	T	T
	2	0.7887	83.4065	T	T	T	T
	3	0.7887	82.4688	T	T	F	F
THPYR_06_399	1	0.525	86.6859	T	T	F	F
	2	0.525	85.7442	T	T	T	T
	3	0.525	82.0717	T	T	F	F
THPYR_06_400	1	0.4884	83.4258	T	T	F	F
	2	0.4884	79.943	T	F	F	F
	3	0.4884	77.9578	T	T	F	F
THPYR_06_402	1	1.0252	88.1113	T	T	F	F
	2	1.0252	85.4124	F	F	F	F
	3	1.0252	79.0288	T	T	F	F
THPYR_06_403	1	0.235	84.7684	F	F	F	F
	2	0.235	80.604	F	F	F	F
	3	0.235	79.4574	F	F	F	F
THPYR_06_407	1	0.1632	90.735	T	T	F	F
	2	0.1632	78.9643	T	T	F	F
	3	0.1632	78.4694	T	T	T	T
THPYR_06_411	1	0.8863	90.5675	T	T	F	F
	2	0.8863	82.1974	T	T	T	T
	3	0.8863	80.5194	F	F	F	F
THPYR_06_412	1	1.7898	85.6614	T	T	T	T
	2	1.7898	85.5446	T	T	T	T
	3	1.7898	83.0862	F	F	F	F
THPYR_06_413	1	0.9703	81.5971	T	T	F	F
	2	0.9703	80.0263	T	T	F	F
	3	0.9703	78.4419	T	T	F	F

THPYR_06_416	1	0.8549	86.0097	T	T	F	F
	2	0.8549	79.8898	F	F	F	F
	3	0.8549	78.9005	T	T	F	F
THPYR_06_417	1	0.7567	86.9102	T	T	F	F
	2	0.7567	81.8732	T	T	F	F
	3	0.7567	78.1983	F	F	F	F
THPYR_06_418	1	0.6276	88.6294	T	T	F	F
	2	0.6276	88.5479	T	T	F	F
	3	0.6276	84.565	F	T	F	F
THPYR_06_419	1	1.409	84.4049	F	F	F	F
	2	1.409	79.6905	F	F	F	F
	3	1.409	77.7681	F	F	F	F
THPYR_06_420	1	0.4956	88.6026	T	T	F	F
	2	0.4956	86.6255	T	T	T	T
	3	0.4956	85.2526	T	T	T	T
THPYR_06_426	1	0.8166	80.6539	T	T	F	F
	2	0.8166	80.1685	F	F	F	F
	3	0.8166	79.9581	F	F	F	F
THPYR_06_427	1	0.9833	79.7219	T	T	F	F
	2	0.9833	78.3798	F	F	F	F
	3	0.9833	77.4246	F	F	F	F
THPYR_06_428	1	0.8033	91.5731	T	T	F	F
	2	0.8033	85.4914	F	F	F	F
	3	0.8033	85.1544	T	T	T	T
THPYR_06_430	1	1.1744	86.4134	T	T	T	T
	2	1.1744	84.9333	T	T	F	F
	3	1.1744	84.672	T	T	F	F

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

d) M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	61.5168	F	F	F	F
	2	1.9289	61.0476	F	F	F	F
	3	1.9289	60.123	F	F	F	F
OXBC_01_371	1	0.5026	74.8523	T	T	T	T
	2	0.5026	74.2841	T	T	T	T
	3	0.5026	73.3141	T	T	F	F
OXBC_01_395	1	1.5707	53.8022	T	T	F	F
	2	1.5707	51.4685	T	T	F	F
	3	1.5707	51.0158	T	T	F	F
OXBC_02_016	1	0.4034	70.4946	T	T	F	F
	2	0.4034	69.2711	T	T	F	F
	3	0.4034	66.4449	T	T	F	F
OXBC_02_114	1	0.7967	71.8489	T	T	T	T
	2	0.7967	70.1538	T	T	T	T
	3	0.7967	69.7178	T	T	F	F
OXBC_02_184	1	1.9902	77.3241	T	T	F	F
	2	1.9902	71.478	T	T	T	T
	3	1.9902	68.4938	T	F	F	F
OXBC_02_252	1	0.2345	68.5742	F	T	F	F
	2	0.2345	68.2547	T	T	F	F
	3	0.2345	64.5569	T	T	F	F
OXBC_02_254	1	1.0812	72.4689	T	T	F	F
	2	1.0812	70.2055	T	T	T	T
	3	1.0812	68.5511	T	T	T	T
OXBC_02_284	1	1.5325	68.7119	T	T	T	T
	2	1.5325	68.0304	F	T	F	F
	3	1.5325	67.8376	T	T	F	F
OXBC_02_310	1	0.5585	69.2829	T	T	F	F
	2	0.5585	68.0637	T	T	F	F
	3	0.5585	67.1684	F	F	F	F
THIND_01_030	1	0.4726	56.6568	F	F	F	F
	2	0.4726	53.8371	T	T	F	F
	3	0.4726	52.6874	F	F	F	F
THIND_01_049	1	1.5639	56.5852	F	F	F	F
	2	1.5639	55.7271	F	F	F	F
	3	1.5639	54.5545	T	F	F	F
THIND_01_116	1	0.5836	67.9874	T	T	F	F
	2	0.5836	60.0472	T	T	F	F
	3	0.5836	59.852	T	F	F	F
THIND_03_044	1	1.8382	56.3654	F	F	F	F
	2	1.8382	55.1335	F	F	F	F
	3	1.8382	54.0199	F	F	F	F

THIND_03_048	1	1.0325	55.8957	F	F	F	F
	2	1.0325	53.3279	F	F	F	F
	3	1.0325	52.7669	F	F	F	F
THIND_03_131	1	0.5055	66.0468	T	T	F	F
	2	0.5055	65.6853	F	F	F	F
	3	0.5055	53.4423	F	F	F	F
THIND_03_137	1	0.338	45.187	F	F	F	F
	2	0.338	45.0516	T	T	F	F
	3	0.338	40.3577	F	F	F	F
THIND_03_260	1	1.8076	55.4221	F	T	F	F
	2	1.8076	49.7556	T	F	F	F
	3	1.8076	47.8371	F	F	F	F
THIND_03_354	1	0.7537	64.4702	F	F	F	F
	2	0.7537	58.8817	F	F	F	F
	3	0.7537	54.0507	F	F	F	F
THIND_03_369	1	1.0195	71.4279	F	T	F	F
	2	1.0195	61.1621	T	T	F	F
	3	1.0195	59.706	F	T	F	F
THIND_03_371	1	1.159	61.8442	F	T	F	F
	2	1.159	56.2896	T	T	F	F
	3	1.159	55.6618	T	T	F	F
THIND_04_028	1	1.6916	64.6542	F	F	F	F
	2	1.6916	64.0217	T	F	F	F
	3	1.6916	63.7181	F	F	F	F
THIND_04_030	1	0.8	66.4781	F	F	F	F
	2	0.8	63.9411	T	F	F	F
	3	0.8	54.7247	F	F	F	F
THIND_04_160	1	1.0792	57.201	F	T	F	F
	2	1.0792	52.7695	F	T	F	F
	3	1.0792	52.0452	F	T	F	F
THIND_04_163	1	0.6761	54.89	F	T	F	F
	2	0.6761	52.6117	F	F	F	F
	3	0.6761	49.2572	F	T	F	F
THIND_04_211	1	0.9772	56.6062	F	F	F	F
	2	0.9772	55.1785	F	T	F	F
	3	0.9772	53.0682	F	T	F	F
THIND_04_213	1	0.9486	61.9235	F	F	F	F
	2	0.9486	58.1688	F	T	F	F
	3	0.9486	56.906	T	F	F	F
THIND_04_260	1	1.075	64.483	F	F	F	F
	2	1.075	58.0505	F	F	F	F
	3	1.075	57.9812	T	F	F	F
THIND_04_350	1	1.8625	68.3019	F	F	F	F
	2	1.8625	66.4232	F	F	F	F
	3	1.8625	61.2265	F	F	F	F

THIND_04_393	1	1.8694	69.0711	F	F	F	F
	2	1.8694	68.5746	T	F	F	F
	3	1.8694	66.1802	T	F	F	F
THIND_04_395	1	1.2691	51.7797	F	F	F	F
	2	1.2691	46.6387	F	F	F	F
	3	1.2691	46.6135	F	F	F	F
THIND_05_105	1	1.9838	87.96	T	T	T	T
	2	1.9838	87.8167	T	T	F	F
	3	1.9838	86.7014	T	T	F	F
THIND_05_113	1	1.3772	80.162	T	T	F	F
	2	1.3772	79.3616	T	F	F	F
	3	1.3772	78.8153	T	T	F	F
THIND_05_131	1	0.764	84.8369	T	T	F	F
	2	0.764	83.6298	F	T	F	F
	3	0.764	81.3305	T	T	F	F
THIND_05_137	1	0.4292	76.8716	F	F	F	F
	2	0.4292	74.3239	F	F	F	F
	3	0.4292	73.328	F	F	F	F
THIND_05_260	1	0.9986	79.1778	T	T	T	T
	2	0.9986	75.8819	F	F	F	F
	3	0.9986	74.794	T	T	F	F
THIND_05_354	1	1.0414	91.4244	T	T	F	F
	2	1.0414	82.9606	F	F	F	F
	3	1.0414	81.3664	F	F	F	F
THIND_05_355	1	1.9507	87.1877	T	T	F	F
	2	1.9507	85.7978	T	T	F	F
	3	1.9507	84.6265	T	T	F	F
THIND_05_369	1	1.358	92.1484	F	F	F	F
	2	1.358	89.0677	T	T	F	F
	3	1.358	88.6944	T	T	F	F
THIND_05_371	1	1.6372	85.3804	T	T	F	F
	2	1.6372	82.2942	F	F	F	F
	3	1.6372	81.563	F	F	F	F
THIND_06_030	1	1.6626	83.0087	F	F	F	F
	2	1.6626	75.1503	T	T	F	F
	3	1.6626	74.9505	T	F	F	F
THIND_06_031	1	0.79	72.1969	F	F	F	F
	2	0.79	70.9134	F	F	F	F
	3	0.79	69.6295	F	F	F	F
THIND_06_047	1	1.3119	80.8296	F	F	F	F
	2	1.3119	74.5716	F	F	F	F
	3	1.3119	73.9947	F	F	F	F
THIND_06_049	1	0.4853	76.6935	F	F	F	F
	2	0.4853	76.0633	F	F	F	F
	3	0.4853	73.5008	F	F	F	F

THIND_06_050	1	0.9164	79.6185	F	F	F	F
	2	0.9164	79.4699	F	F	F	F
	3	0.9164	78.2017	F	F	F	F
THIND_06_142	1	0.9616	74.1212	F	F	F	F
	2	0.9616	74.0825	F	F	F	F
	3	0.9616	73.0019	F	F	F	F
THIND_06_187	1	0.5973	72.9573	F	F	F	F
	2	0.5973	68.9777	F	F	F	F
	3	0.5973	68.2956	F	F	F	F
THIND_06_211	1	0.2488	85.465	T	F	F	F
	2	0.2488	76.8051	T	F	F	F
	3	0.2488	72.1044	F	F	F	F
THIND_06_247	1	0.9068	63.3785	F	F	F	F
	2	0.9068	59.5831	F	F	F	F
	3	0.9068	59.3725	F	F	F	F
THIND_06_382	1	0.7084	75.3436	T	F	F	F
	2	0.7084	74.416	F	F	F	F
	3	0.7084	72.0126	F	F	F	F
THIND_07_005	1	0.7485	46.3471	F	T	F	F
	2	0.7485	44.321	F	T	F	F
	3	0.7485	42.9154	F	T	F	F
THIND_07_023	1	1.2682	67.4065	T	T	F	F
	2	1.2682	66.3614	T	T	T	T
	3	1.2682	65.4825	F	F	F	F
THIND_07_048	1	1.8647	61.2547	F	F	F	F
	2	1.8647	61.0413	F	F	F	F
	3	1.8647	60.5711	F	F	F	F
THIND_07_078	1	1.7713	54.4419	F	F	F	F
	2	1.7713	51.7478	F	F	F	F
	3	1.7713	50.572	F	F	F	F
THIND_07_108	1	1.4983	65.798	T	T	F	F
	2	1.4983	64.3673	T	T	F	F
	3	1.4983	56.6112	T	T	F	F
THIND_07_109	1	0.8584	59.1677	F	F	F	F
	2	0.8584	52.9149	F	F	F	F
	3	0.8584	49.753	F	F	F	F
THIND_07_131	1	0.8545	68.3865	T	T	T	T
	2	0.8545	65.4263	F	T	F	F
	3	0.8545	65.0166	T	T	F	F
THIND_07_137	1	1.5188	63.3867	T	T	F	F
	2	1.5188	53.5938	F	F	F	F
	3	1.5188	53.3836	F	F	F	F
THIND_07_140	1	1.0385	60.8597	F	F	F	F
	2	1.0385	59.1573	T	T	F	F
	3	1.0385	52.567	F	T	F	F

THIND_07_171	1	0.9867	48.5467	F	F	F	F
	2	0.9867	48.0435	F	F	F	F
	3	0.9867	45.5216	F	F	F	F
THIND_07_172	1	0.6561	48.0126	F	F	F	F
	2	0.6561	46.8956	F	F	F	F
	3	0.6561	45.5676	F	F	F	F
THIND_07_176	1	0.7963	67.537	T	T	T	T
	2	0.7963	60.8641	F	T	F	F
	3	0.7963	58.0595	T	T	F	F
THIND_07_192	1	1.6769	56.7041	F	F	F	F
	2	1.6769	56.2862	F	F	F	F
	3	1.6769	52.6486	F	F	F	F
THIND_07_354	1	0.9147	70.0833	F	F	F	F
	2	0.9147	69.8071	F	F	F	F
	3	0.9147	61.2195	F	F	F	F
THIND_07_387	1	0.7932	56.2684	F	F	F	F
	2	0.7932	53.3953	F	F	F	F
	3	0.7932	52.8232	T	T	F	F
THIND_08_044	1	1.4431	65.6345	F	F	F	F
	2	1.4431	62.6629	F	F	F	F
	3	1.4431	59.8149	T	T	T	T
THIND_08_048	1	0.9532	66.8516	F	F	F	F
	2	0.9532	61.5523	F	F	F	F
	3	0.9532	56.8154	T	T	F	F
THIND_08_113	1	1.9244	59.0812	F	F	F	F
	2	1.9244	54.8207	T	T	F	F
	3	1.9244	51.4839	T	T	F	F
THIND_08_131	1	1.3065	71.4713	F	T	F	F
	2	1.3065	70.4455	T	T	T	T
	3	1.3065	69.0289	F	T	F	F
THIND_08_137	1	0.3863	57.6932	F	F	F	F
	2	0.3863	55.1248	F	F	F	F
	3	0.3863	50.4432	T	F	F	F
THIND_08_279	1	1.953	66.5163	F	F	F	F
	2	1.953	61.3783	F	F	F	F
	3	1.953	61.1362	F	T	F	F
THIND_08_354	1	1.3533	64.9962	T	T	F	F
	2	1.3533	63.2664	F	F	F	F
	3	1.3533	58.8995	F	F	F	F
THIND_09_004	1	1.186	80.2966	F	F	F	F
	2	1.186	76.1076	F	F	F	F
	3	1.186	73.1282	F	F	F	F
THIND_09_005	1	0.3548	78.7978	F	T	T	F
	2	0.3548	68.5258	F	T	F	F
	3	0.3548	65.8833	F	F	F	F

THIND_09_023	1	0.9861	89.322	T	T	T	T
	2	0.9861	81.2368	T	T	T	T
	3	0.9861	80.6882	F	F	F	F
THIND_09_055	1	1.8184	57.6665	F	T	F	F
	2	1.8184	57.6272	F	F	F	F
	3	1.8184	57.6151	F	T	F	F
THIND_09_057	1	0.3286	79.608	F	F	F	F
	2	0.3286	79.1398	F	F	F	F
	3	0.3286	77.5005	F	F	F	F
THIND_09_058	1	0.3156	84.3075	T	T	T	T
	2	0.3156	79.7768	F	F	F	F
	3	0.3156	77.2524	F	F	F	F
THIND_09_060	1	1.7583	73.8754	T	T	F	F
	2	1.7583	72.5595	F	F	F	F
	3	1.7583	68.9138	T	F	F	F
THIND_09_065	1	1.7434	59.4409	F	F	F	F
	2	1.7434	59.3409	T	T	F	F
	3	1.7434	57.1228	F	F	F	F
THIND_09_090	1	1.1527	78.7414	T	T	F	F
	2	1.1527	78.733	T	T	F	F
	3	1.1527	78.5491	F	T	F	F
THIND_09_108	1	0.9475	82.5623	T	F	F	F
	2	0.9475	82.1395	T	F	F	F
	3	0.9475	81.2999	T	F	F	F
THIND_09_109	1	0.4705	73.0514	F	F	F	F
	2	0.4705	71.9269	T	F	F	F
	3	0.4705	69.7743	F	T	F	F
THIND_09_113	1	0.9152	82.9524	T	T	T	T
	2	0.9152	78.4105	T	T	F	F
	3	0.9152	78.3889	F	F	F	F
THIND_09_115	1	1.4743	80.5601	F	T	F	F
	2	1.4743	80.262	T	F	F	F
	3	1.4743	77.6867	T	F	F	F
THIND_09_117	1	1.1277	81.6384	T	F	F	F
	2	1.1277	79.2575	T	F	F	F
	3	1.1277	77.6056	T	F	F	F
THIND_09_131	1	1.0524	83.3517	F	T	F	F
	2	1.0524	83.1346	F	T	F	F
	3	1.0524	82.3377	F	F	F	F
THIND_09_137	1	0.4097	73.7203	F	F	F	F
	2	0.4097	72.8998	F	F	F	F
	3	0.4097	71.9781	F	F	F	F
THIND_09_161	1	0.7962	67.2509	F	T	F	F
	2	0.7962	65.2664	F	T	F	F
	3	0.7962	64.7138	F	F	F	F

THIND_09_163	1	0.8537	60.6507	F	F	F	F
	2	0.8537	58.6307	F	F	F	F
	3	0.8537	57.8641	F	F	F	F
THIND_09_167	1	1.9629	78.3854	F	F	F	F
	2	1.9629	66.4816	F	F	F	F
	3	1.9629	66.2402	F	F	F	F
THIND_09_171	1	1.2508	70.8181	F	F	F	F
	2	1.2508	67.4179	F	T	F	F
	3	1.2508	64.918	F	F	F	F
THIND_09_172	1	0.8551	67.9901	F	F	F	F
	2	0.8551	62.4708	F	F	F	F
	3	0.8551	61.1763	F	F	F	F
THIND_09_173	1	1.5188	68.8502	F	F	F	F
	2	1.5188	67.8225	F	F	F	F
	3	1.5188	67.2117	F	F	F	F
THIND_09_176	1	1.1327	91.5465	F	T	F	F
	2	1.1327	86.4331	F	T	F	F
	3	1.1327	83.6966	T	T	T	T
THIND_09_179	1	1.3999	81.1347	T	F	F	F
	2	1.3999	80.9634	T	T	T	T
	3	1.3999	80.9541	F	F	F	F
THIND_09_186	1	1.7931	86.6715	F	F	F	F
	2	1.7931	83.8761	F	F	F	F
	3	1.7931	81.4525	F	F	F	F
THIND_09_260	1	0.5595	77.7051	F	F	F	F
	2	0.5595	73.326	T	F	F	F
	3	0.5595	70.7223	T	T	F	F
THIND_09_354	1	1.2365	80.1208	F	F	F	F
	2	1.2365	76.7758	F	F	F	F
	3	1.2365	76.4011	F	F	F	F
THIND_09_369	1	1.7254	89.8626	F	T	F	F
	2	1.7254	83.2953	T	T	T	T
	3	1.7254	82.3198	F	T	F	F
THIND_09_371	1	1.2996	83.2895	T	T	F	F
	2	1.2996	78.1641	F	F	F	F
	3	1.2996	77.9917	F	F	F	F
THIND_09_387	1	0.232	75.8689	F	F	F	F
	2	0.232	73.6099	F	F	F	F
	3	0.232	70.777	F	F	F	F
THIND_10_002	1	1.4401	55.8657	F	F	F	F
	2	1.4401	53.7856	F	F	F	F
	3	1.4401	52.7434	F	F	F	F
THIND_10_044	1	1.6619	61.922	F	F	F	F
	2	1.6619	60.2468	F	F	F	F
	3	1.6619	58.7354	F	F	F	F

THIND_10_048	1	0.8648	63.5671	F	F	F	F
	2	0.8648	62.8793	F	F	F	F
	3	0.8648	62.5504	F	F	F	F
THIND_10_113	1	1.4015	64.4346	F	F	F	F
	2	1.4015	58.9656	F	F	F	F
	3	1.4015	53.6937	T	F	F	F
THIND_10_131	1	0.2951	71.3886	T	T	T	T
	2	0.2951	71.1478	F	F	F	F
	3	0.2951	63.2726	T	T	T	T
THIND_10_137	1	0.4936	46.9263	F	F	F	F
	2	0.4936	45.5792	F	F	F	F
	3	0.4936	45.4486	F	F	F	F
THIND_10_157	1	1.8197	60.8208	F	F	F	F
	2	1.8197	58.0751	F	F	F	F
	3	1.8197	56.8484	F	F	F	F
THIND_10_179	1	1.6084	64.5469	F	F	F	F
	2	1.6084	63.4844	T	T	F	F
	3	1.6084	58.9204	F	F	F	F
THIND_10_260	1	1.2797	58.6789	T	F	F	F
	2	1.2797	57.6685	T	F	F	F
	3	1.2797	56.5823	F	F	F	F
THIND_10_350	1	1.6746	61.8767	F	F	F	F
	2	1.6746	51.8174	T	F	F	F
	3	1.6746	48.6154	F	F	F	F
THIND_10_354	1	0.288	71.1969	F	F	F	F
	2	0.288	63.1589	F	F	F	F
	3	0.288	58.475	F	F	F	F
THIND_10_355	1	1.3804	58.9875	F	F	F	F
	2	1.3804	56.514	T	F	F	F
	3	1.3804	54.3904	T	T	F	F
THIND_10_369	1	0.7827	63.4328	F	T	T	F
	2	0.7827	61.8865	F	F	F	F
	3	0.7827	60.1681	F	T	F	F
THIND_10_371	1	1.561	60.2558	T	T	F	F
	2	1.561	59.3922	T	T	T	T
	3	1.561	57.8516	F	F	F	F
THIND_10_391	1	1.5599	65.2243	T	T	F	F
	2	1.5599	59.0296	F	F	F	F
	3	1.5599	52.8308	F	F	F	F
THIND_12_019	1	1.8599	65.9581	T	T	F	F
	2	1.8599	58.3966	T	T	F	F
	3	1.8599	56.7169	F	F	F	F
THIND_12_020	1	1.8985	77.5693	T	T	F	F
	2	1.8985	77.1619	F	F	F	F
	3	1.8985	76.579	T	T	F	F

THIND_12_074	1	1.8854	86.4481	T	T	F	F
	2	1.8854	83.6257	F	F	F	F
	3	1.8854	83.3461	T	T	F	F
THIND_12_076	1	0.3049	90.8866	T	F	F	F
	2	0.3049	86.4753	T	T	T	T
	3	0.3049	83.2202	T	T	F	F
THIND_12_093	1	1.2732	86.7508	F	F	F	F
	2	1.2732	84.8587	F	F	F	F
	3	1.2732	82.8117	F	F	F	F
THIND_12_107	1	0.6667	73.0449	T	F	F	F
	2	0.6667	68.8446	T	T	F	F
	3	0.6667	68.1566	F	F	F	F
THIND_12_112	1	0.148	79.9708	T	T	T	T
	2	0.148	77.2429	T	F	F	F
	3	0.148	75.48	F	F	F	F
THIND_12_144	1	0.3252	83.5899	T	T	F	F
	2	0.3252	73.8229	T	T	F	F
	3	0.3252	72.3092	F	F	F	F
THIND_12_178	1	1.7482	74.8986	T	T	F	F
	2	1.7482	71.6492	T	F	F	F
	3	1.7482	71.3964	T	T	F	F
THIND_12_182	1	0.7729	89.6437	T	T	F	F
	2	0.7729	88.8292	F	F	F	F
	3	0.7729	87.8111	T	T	F	F
THIND_12_246	1	0.9232	84.6661	T	T	F	F
	2	0.9232	81.4596	F	F	F	F
	3	0.9232	81.04	F	F	F	F
THIND_13_019	1	0.9554	61.8606	F	F	F	F
	2	0.9554	61.5748	F	F	F	F
	3	0.9554	59.7759	F	F	F	F
THIND_13_044	1	0.5463	66.9841	F	F	F	F
	2	0.5463	64.2217	F	F	F	F
	3	0.5463	62.0862	F	F	F	F
THIND_13_080	1	1.7318	78.3817	F	F	F	F
	2	1.7318	73.3558	T	F	F	F
	3	1.7318	70.8252	F	F	F	F
THIND_13_106	1	1.336	76.7518	F	F	F	F
	2	1.336	76.5254	F	F	F	F
	3	1.336	74.5655	F	F	F	F
THIND_13_145	1	1.7239	73.7301	F	F	F	F
	2	1.7239	71.4811	F	F	F	F
	3	1.7239	70.299	F	F	F	F
THIND_13_195	1	0.472	70.616	F	F	F	F
	2	0.472	66.0626	T	T	F	F
	3	0.472	65.1976	F	F	F	F

THIND_13_246	1	0.2419	76.2016	T	F	F	F
	2	0.2419	76.1836	T	T	F	F
	3	0.2419	75.2067	T	T	T	T
THIND_13_247	1	0.0732	76.6908	F	F	F	F
	2	0.0732	74.427	F	F	F	F
	3	0.0732	74.023	T	T	T	T
THIND_14_012	1	1.1405	62.3325	F	F	F	F
	2	1.1405	60.9295	F	F	F	F
	3	1.1405	59.3197	T	T	F	F
THIND_14_078	1	0.1947	63.0226	T	T	F	F
	2	0.1947	62.9289	F	F	F	F
	3	0.1947	62.625	T	T	F	F
THIND_14_120	1	0.4672	59.0833	F	T	F	F
	2	0.4672	57.1683	F	T	F	F
	3	0.4672	56.9748	T	F	F	F
THIND_14_182	1	1.3415	65.2444	T	T	F	F
	2	1.3415	64.5072	T	T	F	F
	3	1.3415	64.3956	F	F	F	F
THIND_14_196	1	1.9829	55.8347	F	F	F	F
	2	1.9829	53.3129	F	F	F	F
	3	1.9829	51.0173	F	F	F	F
THIND_15_004	1	0.5482	60.8067	T	T	T	T
	2	0.5482	60.5198	T	T	F	F
	3	0.5482	59.1381	F	T	F	F
THIND_15_021	1	1.7239	57.9092	T	T	F	F
	2	1.7239	56.1549	F	T	F	F
	3	1.7239	52.6926	T	T	F	F
THIND_15_028	1	0.5981	66.0178	T	T	F	F
	2	0.5981	63.1969	T	T	F	F
	3	0.5981	60.1918	T	T	F	F
THIND_15_030	1	0.5045	61.8748	T	T	T	T
	2	0.5045	56.0188	F	T	F	F
	3	0.5045	54.135	F	T	F	F
THIND_15_050	1	1.2081	52.1804	T	T	T	T
	2	1.2081	51.8033	T	T	F	F
	3	1.2081	51.778	F	T	F	F
THIND_15_105	1	0.9076	53.0877	T	T	F	F
	2	0.9076	52.8056	T	T	F	F
	3	0.9076	52.6539	F	T	F	F
THIND_15_122	1	1.4161	62.7937	T	T	T	T
	2	1.4161	60.5777	T	T	F	F
	3	1.4161	60.1345	T	T	F	F
THIND_15_133	1	0.826	51.1661	F	F	F	F
	2	0.826	51.1443	T	T	F	F
	3	0.826	50.8297	F	T	F	F

THIND_15_178	1	0.719	54.8775	F	T	F	F
	2	0.719	53.0165	T	T	F	F
	3	0.719	52.6714	T	T	F	F
THIND_15_196	1	1.6177	61.6975	F	F	F	F
	2	1.6177	58.6107	F	F	F	F
	3	1.6177	58.3636	F	F	F	F
THIND_15_217	1	1.6619	53.7107	T	T	F	F
	2	1.6619	53.128	F	T	F	F
	3	1.6619	52.5438	F	T	F	F
THIND_15_218	1	1.0493	63.0532	F	T	F	F
	2	1.0493	57.841	F	T	F	F
	3	1.0493	57.4949	F	T	F	F
THIND_15_245	1	1.7187	63.6986	F	F	F	F
	2	1.7187	63.4333	F	F	F	F
	3	1.7187	58.8337	F	F	F	F
THIND_16_078	1	0.6399	79.2016	T	F	F	F
	2	0.6399	78.3167	T	F	F	F
	3	0.6399	77.6123	T	T	T	T
THIND_16_112	1	0.8831	71.8967	T	F	F	F
	2	0.8831	71.652	T	T	F	F
	3	0.8831	71.398	T	T	T	T
THIND_16_118	1	0.9594	82.556	F	F	F	F
	2	0.9594	80.0739	T	T	F	F
	3	0.9594	79.316	T	T	F	F
THIND_16_120	1	1.731	81.1924	T	T	F	F
	2	1.731	76.5899	F	T	F	F
	3	1.731	76.287	T	F	F	F
THIND_16_124	1	0.6086	73.0803	F	F	F	F
	2	0.6086	71.939	T	F	F	F
	3	0.6086	70.5998	T	F	F	F
THIND_16_144	1	1.5664	77.563	F	F	F	F
	2	1.5664	75.8459	F	F	F	F
	3	1.5664	74.3602	F	F	F	F
THIND_16_246	1	1.8256	82.2534	F	F	F	F
	2	1.8256	80.089	T	T	F	F
	3	1.8256	80.0809	F	F	F	F
THIND_16_247	1	0.4882	80.8416	T	F	F	F
	2	0.4882	79.762	F	F	F	F
	3	0.4882	78.8675	F	F	F	F
THPYR_01_017	1	1.5467	74.5256	F	T	F	F
	2	1.5467	69.4862	F	F	F	F
	3	1.5467	68.7962	F	F	F	F
THPYR_01_037	1	1.2882	78.0666	F	T	F	F
	2	1.2882	71.8407	T	T	T	T
	3	1.2882	71.5497	F	F	F	F

THPYR_01_038	1	1.4142	73.9727	F	F	F	F
	2	1.4142	72.7907	F	F	F	F
	3	1.4142	72.5517	F	F	F	F
THPYR_01_082	1	1.6144	77.999	F	F	F	F
	2	1.6144	77.7123	T	T	T	T
	3	1.6144	75.5115	F	F	F	F
THPYR_01_114	1	1.8484	79.0746	F	F	F	F
	2	1.8484	77.653	T	T	T	T
	3	1.8484	74.8059	T	T	F	F
THPYR_01_185	1	1.6368	78.8438	T	T	F	F
	2	1.6368	76.1965	F	T	F	F
	3	1.6368	73.7604	F	T	F	F
THPYR_01_221	1	1.1416	84.1661	T	T	F	F
	2	1.1416	82.1477	F	T	F	F
	3	1.1416	78.0118	F	F	F	F
THPYR_01_226	1	1.2735	82.4146	T	T	F	F
	2	1.2735	80.1521	F	T	F	F
	3	1.2735	75.2172	F	T	F	F
THPYR_01_227	1	0.5581	72.8622	F	F	F	F
	2	0.5581	71.6233	F	F	F	F
	3	0.5581	69.4149	F	F	F	F
THPYR_01_233	1	0.5864	77.7346	T	T	F	F
	2	0.5864	77.4229	F	F	F	F
	3	0.5864	76.2708	F	F	F	F
THPYR_01_276	1	1.7775	66.3372	T	T	F	F
	2	1.7775	66.2428	F	F	F	F
	3	1.7775	65.5447	F	F	F	F
THPYR_01_303	1	1.4801	77.516	F	F	F	F
	2	1.4801	75.4117	F	F	F	F
	3	1.4801	73.8994	F	F	F	F
THPYR_01_315	1	1.6649	83.1403	T	T	F	F
	2	1.6649	79.5173	T	T	T	T
	3	1.6649	76.6689	F	F	F	F
THPYR_01_329	1	0.6343	77.8543	T	T	F	F
	2	0.6343	77.5843	T	T	T	T
	3	0.6343	70.4295	T	T	F	F
THPYR_01_378	1	1.9059	73.0629	F	F	F	F
	2	1.9059	68.3848	F	F	F	F
	3	1.9059	65.8886	F	F	F	F
THPYR_01_386	1	1.0617	83.5309	T	T	T	T
	2	1.0617	71.6515	F	T	F	F
	3	1.0617	69.2154	F	F	F	F
THPYR_01_416	1	1.627	83.115	T	F	F	F
	2	1.627	76.9151	F	T	F	F
	3	1.627	72.1769	F	F	F	F

THPYR_01_417	1	1.3311	72.9231	F	T	F	F
	2	1.3311	66.409	F	F	F	F
	3	1.3311	65.6825	F	T	F	F
THPYR_01_420	1	0.6811	83.1303	T	T	T	T
	2	0.6811	74.0067	F	T	F	F
	3	0.6811	72.5056	F	F	F	F
THPYR_01_428	1	1.1342	88.1841	T	T	F	F
	2	1.1342	77.0244	T	T	T	T
	3	1.1342	76.1998	F	F	F	F
THPYR_01_429	1	1.5104	85.618	F	F	F	F
	2	1.5104	79.9223	F	F	F	F
	3	1.5104	76.8644	T	T	T	T
THPYR_02_002	1	0.8239	85.0043	F	T	F	F
	2	0.8239	77.5654	F	T	F	F
	3	0.8239	77.3105	F	F	F	F
THPYR_02_009	1	1.2882	85.9169	T	T	T	T
	2	1.2882	82.746	T	T	F	F
	3	1.2882	79.8217	T	T	F	F
THPYR_02_037	1	1.9516	81.1923	T	T	F	F
	2	1.9516	77.2907	T	T	F	F
	3	1.9516	76.203	T	T	F	F
THPYR_02_049	1	0.3883	77.1917	F	F	F	F
	2	0.3883	72.7254	F	F	F	F
	3	0.3883	72.4554	F	F	F	F
THPYR_02_060	1	0.4382	74.2847	F	F	F	F
	2	0.4382	69.5503	F	F	F	F
	3	0.4382	69.4288	T	T	F	F
THPYR_02_125	1	0.5369	76.089	T	T	T	T
	2	0.5369	69.6183	F	F	F	F
	3	0.5369	66.021	F	F	F	F
THPYR_02_148	1	1.1698	79.0795	F	F	F	F
	2	1.1698	75.9144	T	T	F	F
	3	1.1698	73.6238	T	T	F	F
THPYR_02_157	1	0.6642	86.5283	F	F	F	F
	2	0.6642	84.1451	F	F	F	F
	3	0.6642	83.8189	F	T	F	F
THPYR_02_187	1	0.5665	79.8681	F	F	F	F
	2	0.5665	70.3249	T	T	T	T
	3	0.5665	67.206	F	F	F	F
THPYR_02_188	1	1.3583	70.1528	F	F	F	F
	2	1.3583	65.5718	F	F	F	F
	3	1.3583	63.1792	F	F	F	F
THPYR_02_219	1	1.8005	82.9596	F	F	F	F
	2	1.8005	77.9639	T	F	F	F
	3	1.8005	77.404	T	T	F	F

THPYR_02_221	1	1.6661	81.9473	T	T	F	F
	2	1.6661	80.6553	T	T	F	F
	3	1.6661	76.9564	F	T	F	F
THPYR_02_226	1	1.7632	79.7512	F	F	F	F
	2	1.7632	76.5646	F	F	F	F
	3	1.7632	76.3651	T	T	F	F
THPYR_02_233	1	1.6406	80.2221	T	T	F	F
	2	1.6406	74.6034	T	T	F	F
	3	1.6406	73.8753	F	F	F	F
THPYR_02_279	1	1.5563	82.1478	T	T	F	F
	2	1.5563	72.9713	T	T	F	F
	3	1.5563	70.6286	F	F	F	F
THPYR_02_316	1	0.4992	82.3368	T	T	T	T
	2	0.4992	78.3013	T	T	F	F
	3	0.4992	77.6343	T	T	F	F
THPYR_02_329	1	1.842	77.5725	T	T	T	T
	2	1.842	76.4115	T	T	T	T
	3	1.842	73.8413	T	T	F	F
THPYR_02_342	1	1.4911	67.8907	F	F	F	F
	2	1.4911	67.5808	F	F	F	F
	3	1.4911	66.4726	T	T	F	F
THPYR_02_343	1	0.5391	83.1081	T	T	F	F
	2	0.5391	81.6169	T	T	F	F
	3	0.5391	76.6011	T	T	F	F
THPYR_02_349	1	1.6237	78.3009	F	F	F	F
	2	1.6237	74.0285	F	T	F	F
	3	1.6237	72.26	F	F	F	F
THPYR_02_351	1	0.7554	75.5628	T	T	T	T
	2	0.7554	75.4807	F	F	F	F
	3	0.7554	75.2104	F	T	F	F
THPYR_02_355	1	1.4371	80.1603	T	T	T	T
	2	1.4371	78.9382	T	T	F	F
	3	1.4371	78.2734	T	T	F	F
THPYR_02_371	1	1.6248	81.1434	T	T	T	T
	2	1.6248	75.0762	F	F	F	F
	3	1.6248	72.6544	F	F	F	F
THPYR_02_389	1	0.7659	75.5529	T	F	T	F
	2	0.7659	73.4726	F	F	F	F
	3	0.7659	68.6249	F	F	F	F
THPYR_02_400	1	1.9629	81.1709	T	T	F	F
	2	1.9629	76.0612	T	F	F	F
	3	1.9629	72.894	F	F	F	F
THPYR_02_407	1	0.7954	86.671	T	T	T	T
	2	0.7954	79.0826	F	T	F	F
	3	0.7954	75.8822	F	F	F	F

THPYR_02_420	1	1.3684	86.2553	T	T	T	T
	2	1.3684	84.1146	T	T	F	F
	3	1.3684	83.9443	T	T	F	F
THPYR_02_426	1	1.3737	77.0373	T	T	T	T
	2	1.3737	76.8549	T	T	F	F
	3	1.3737	70.1882	T	T	F	F
THPYR_03_002	1	0.6013	77.7453	F	T	F	F
	2	0.6013	75.3964	F	T	F	F
	3	0.6013	75.1905	T	T	F	F
THPYR_03_009	1	1.3384	90.9145	T	T	F	F
	2	1.3384	87.0556	T	T	T	T
	3	1.3384	83.8501	T	T	F	F
THPYR_03_029	1	1.0563	80.8434	F	F	F	F
	2	1.0563	78.9721	F	F	F	F
	3	1.0563	78.6814	F	F	F	F
THPYR_03_034	1	0.5625	66.3737	T	T	T	T
	2	0.5625	62.6248	T	T	F	F
	3	0.5625	60.6664	F	F	F	F
THPYR_03_049	1	0.1932	77.9519	F	F	F	F
	2	0.1932	73.4539	F	F	F	F
	3	0.1932	70.6545	F	F	F	F
THPYR_03_050	1	1.5696	94.1288	F	F	F	F
	2	1.5696	80.8344	F	F	F	F
	3	1.5696	78.9194	F	F	F	F
THPYR_03_051	1	1.9449	79.197	F	F	F	F
	2	1.9449	74.4141	F	F	F	F
	3	1.9449	73.4127	F	F	F	F
THPYR_03_060	1	0.3237	73.8717	T	T	F	F
	2	0.3237	73.8562	F	F	F	F
	3	0.3237	72.3964	F	F	F	F
THPYR_03_072	1	1.0259	80.4145	F	T	F	F
	2	1.0259	79.3611	F	F	F	F
	3	1.0259	79.2763	F	F	F	F
THPYR_03_076	1	1.9191	83.7699	T	T	T	T
	2	1.9191	81.9619	T	T	T	T
	3	1.9191	80.0874	T	T	T	T
THPYR_03_081	1	0.9929	76.7415	F	F	F	F
	2	0.9929	74.6623	F	F	F	F
	3	0.9929	74.1573	F	T	F	F
THPYR_03_082	1	0.5311	88.2872	T	T	T	T
	2	0.5311	81.7856	T	T	F	F
	3	0.5311	81.2664	T	T	T	T
THPYR_03_083	1	0.83	81.3183	F	T	F	F
	2	0.83	75.45	T	T	T	T
	3	0.83	74.3274	F	F	F	F

THPYR_03_114	1	1.8446	86.4051	T	T	T	T
	2	1.8446	79.575	T	T	F	F
	3	1.8446	78.3565	T	T	F	F
THPYR_03_125	1	0.4562	70.9294	F	F	F	F
	2	0.4562	70.4016	F	F	F	F
	3	0.4562	69.7349	T	T	F	F
THPYR_03_148	1	0.3077	81.4649	T	T	T	T
	2	0.3077	80.7907	F	T	F	F
	3	0.3077	72.7552	F	F	F	F
THPYR_03_156	1	1.8552	91.9686	F	T	F	F
	2	1.8552	83.809	F	F	F	F
	3	1.8552	80.6711	F	T	F	F
THPYR_03_157	1	0.4815	78.3284	F	F	F	F
	2	0.4815	76.5419	F	F	F	F
	3	0.4815	76.2455	F	F	F	F
THPYR_03_178	1	0.7602	9.56	F	F	F	F
	2	0.7602	9.0033	F	F	F	F
	3	0.7602	8.7486	T	T	T	T
THPYR_03_185	1	1.9329	86.6977	T	T	T	T
	2	1.9329	85.0137	T	T	F	F
	3	1.9329	82.0315	T	T	F	F
THPYR_03_187	1	0.2174	74.8169	F	F	F	F
	2	0.2174	69.3198	F	F	F	F
	3	0.2174	67.1692	T	T	F	F
THPYR_03_221	1	1.0799	84.1016	T	T	F	F
	2	1.0799	83.4664	T	T	F	F
	3	1.0799	78.3998	T	T	F	F
THPYR_03_222	1	1.9783	84.5484	T	T	T	T
	2	1.9783	81.1143	T	T	F	F
	3	1.9783	80.0467	T	T	T	T
THPYR_03_223	1	1.5314	83.1271	T	T	T	T
	2	1.5314	78.5256	T	T	T	T
	3	1.5314	78.3199	T	T	F	F
THPYR_03_226	1	1.0787	78.2958	T	T	F	F
	2	1.0787	74.6651	F	T	F	F
	3	1.0787	74.5141	T	T	F	F
THPYR_03_227	1	1.6908	78.2436	F	F	F	F
	2	1.6908	78.1388	T	T	F	F
	3	1.6908	70.1906	F	F	F	F
THPYR_03_233	1	1.4666	86.7979	F	F	F	F
	2	1.4666	82.0191	T	T	F	F
	3	1.4666	81.1153	F	T	F	F
THPYR_03_276	1	1.5413	76.6478	T	T	F	F
	2	1.5413	74.7769	T	T	F	F
	3	1.5413	71.0268	T	T	T	T

THPYR_03_316	1	0.4337	79.2716	F	F	F	F
	2	0.4337	73.7065	F	F	F	F
	3	0.4337	72.6689	F	F	F	F
THPYR_03_329	1	0.7251	80.8974	T	T	F	F
	2	0.7251	79.4886	T	T	T	T
	3	0.7251	77.6432	T	T	F	F
THPYR_03_342	1	0.979	70.9775	F	F	F	F
	2	0.979	69.821	F	T	F	F
	3	0.979	68.638	F	F	F	F
THPYR_03_343	1	1.4723	81.9014	F	F	F	F
	2	1.4723	79.1171	T	F	F	F
	3	1.4723	76.0995	F	F	F	F
THPYR_03_351	1	1.8932	81.2006	T	F	F	F
	2	1.8932	80.9869	T	T	F	F
	3	1.8932	80.3126	F	F	F	F
THPYR_03_369	1	1.7628	88.5366	F	T	F	F
	2	1.7628	86.8943	F	F	F	F
	3	1.7628	85.5679	F	F	F	F
THPYR_03_372	1	1.9584	77.401	T	F	F	F
	2	1.9584	76.0712	F	T	F	F
	3	1.9584	74.8976	F	F	F	F
THPYR_03_389	1	0.5912	82.91	F	F	F	F
	2	0.5912	78.1811	F	F	F	F
	3	0.5912	72.9299	F	F	F	F
THPYR_03_394	1	1.406	83.6394	T	T	F	F
	2	1.406	82.347	T	T	T	T
	3	1.406	81.2143	T	T	F	F
THPYR_03_407	1	0.756	83.5397	F	F	F	F
	2	0.756	81.8962	T	T	F	F
	3	0.756	79.3419	T	T	T	T
THPYR_03_420	1	1.6155	87.2379	T	T	T	T
	2	1.6155	82.9283	T	T	F	F
	3	1.6155	82.9259	T	T	F	F
THPYR_03_426	1	1.3912	85.1539	T	T	F	F
	2	1.3912	84.4938	F	F	F	F
	3	1.3912	79.228	F	F	F	F
THPYR_04_001	1	1.0877	78.9039	F	T	F	F
	2	1.0877	78.5043	T	T	F	F
	3	1.0877	73.9103	T	T	T	T
THPYR_04_002	1	0.1408	75.5804	F	T	F	F
	2	0.1408	75.5246	T	T	F	F
	3	0.1408	74.1177	F	F	F	F
THPYR_04_009	1	0.3174	78.3186	F	T	F	F
	2	0.3174	75.9683	F	F	F	F
	3	0.3174	74.0392	F	F	F	F

THPYR_04_015	1	1.2156	76.6588	F	F	F	F
	2	1.2156	72.1501	F	T	F	F
	3	1.2156	69.7386	F	F	F	F
THPYR_04_016	1	0.4367	78.3872	F	T	F	F
	2	0.4367	76.6228	T	T	T	T
	3	0.4367	75.8043	F	F	F	F
THPYR_04_017	1	0.7434	71.1792	F	F	F	F
	2	0.7434	68.6163	F	F	F	F
	3	0.7434	64.3595	F	F	F	F
THPYR_04_037	1	1.2615	83.3153	T	F	F	F
	2	1.2615	77.6191	T	T	F	F
	3	1.2615	76.9297	F	F	F	F
THPYR_04_038	1	1.8429	81.8042	T	T	F	F
	2	1.8429	75.5201	T	T	F	F
	3	1.8429	74.7335	T	F	F	F
THPYR_04_039	1	0.2929	77.1105	T	T	T	T
	2	0.2929	70.0111	F	F	F	F
	3	0.2929	69.0008	F	F	F	F
THPYR_04_047	1	0.8523	90.7481	F	F	F	F
	2	0.8523	80.3149	F	T	F	F
	3	0.8523	77.0394	F	F	F	F
THPYR_04_048	1	0.705	76.6613	F	F	F	F
	2	0.705	74.74	F	F	F	F
	3	0.705	74.5144	F	F	F	F
THPYR_04_052	1	0.4089	82.824	T	T	T	T
	2	0.4089	82.4895	T	T	T	T
	3	0.4089	81.4743	F	F	F	F
THPYR_04_059	1	1.3176	71.2051	T	T	T	T
	2	1.3176	67.0492	T	T	T	T
	3	1.3176	65.3646	F	F	F	F
THPYR_04_060	1	0.0061	70.6257	F	F	F	F
	2	0.0061	67.8162	T	F	F	F
	3	0.0061	66.8046	F	F	F	F
THPYR_04_072	1	0.6965	77.1885	F	F	F	F
	2	0.6965	73.5306	F	F	F	F
	3	0.6965	73.148	F	T	F	F
THPYR_04_076	1	1.1148	82.7594	T	T	T	T
	2	1.1148	82.1709	T	T	T	T
	3	1.1148	76.5777	F	F	F	F
THPYR_04_077	1	1.5535	81.9411	T	T	T	T
	2	1.5535	80.531	T	T	T	T
	3	1.5535	77.7069	T	T	T	T
THPYR_04_081	1	0.508	80.0022	F	T	F	F
	2	0.508	79.9231	T	T	T	T
	3	0.508	78.8714	F	F	F	F

THPYR_04_082	1	0.263	88.0507	T	T	T	T
	2	0.263	82.2882	T	T	T	T
	3	0.263	80.3708	T	T	F	F
THPYR_04_083	1	0.3479	79.4916	F	T	F	F
	2	0.3479	79.3926	T	T	F	F
	3	0.3479	74.8035	F	T	F	F
THPYR_04_106	1	0.2966	84.9425	T	T	F	F
	2	0.2966	82.4718	F	F	F	F
	3	0.2966	77.2697	F	F	F	F
THPYR_04_114	1	1.1374	78.031	F	F	F	F
	2	1.1374	74.6024	F	F	F	F
	3	1.1374	72.7411	T	T	F	F
THPYR_04_144	1	1.1593	73.4258	T	T	T	T
	2	1.1593	72.9718	T	T	T	T
	3	1.1593	72.0001	F	F	F	F
THPYR_04_146	1	1.7571	75.7565	F	F	F	F
	2	1.7571	74.1747	F	F	F	F
	3	1.7571	74.0454	T	F	F	F
THPYR_04_147	1	1.8906	73.772	F	F	F	F
	2	1.8906	73.272	F	T	F	F
	3	1.8906	72.9659	F	F	F	F
THPYR_04_150	1	0.8381	83.5298	F	F	F	F
	2	0.8381	79.9044	F	F	F	F
	3	0.8381	79.7983	T	T	F	F
THPYR_04_152	1	0.2439	79.6588	F	F	F	F
	2	0.2439	77.3752	F	F	F	F
	3	0.2439	76.7139	F	T	F	F
THPYR_04_156	1	0.3486	81.9859	F	F	F	F
	2	0.3486	77.4949	F	T	T	F
	3	0.3486	76.3265	F	T	F	F
THPYR_04_185	1	0.8188	87.2876	T	T	T	T
	2	0.8188	78.2588	T	T	T	T
	3	0.8188	75.8835	F	T	F	F
THPYR_04_205	1	1.9055	85.7939	T	T	F	F
	2	1.9055	82.5853	T	T	T	T
	3	1.9055	82.1604	T	T	T	T
THPYR_04_217	1	0.6525	85.2749	F	F	F	F
	2	0.6525	78.9851	F	F	F	F
	3	0.6525	73.5888	F	F	F	F
THPYR_04_218	1	1.6792	75.9569	F	T	F	F
	2	1.6792	72.665	F	F	F	F
	3	1.6792	70.4918	F	T	F	F
THPYR_04_221	1	0.2332	82.0782	F	T	F	F
	2	0.2332	78.4835	F	F	F	F
	3	0.2332	74.4798	F	T	F	F

THPYR_04_222	1	1.0755	83.6632	F	T	F	F
	2	1.0755	79.0896	F	T	F	F
	3	1.0755	77.4092	T	T	T	T
THPYR_04_223	1	0.808	85.0389	T	T	T	T
	2	0.808	77.095	F	F	F	F
	3	0.808	76.7487	F	T	F	F
THPYR_04_226	1	0.1401	82.9569	T	T	F	F
	2	0.1401	78.9704	F	T	F	F
	3	0.1401	76.5409	F	F	F	F
THPYR_04_227	1	0.1621	75.3045	T	T	T	T
	2	0.1621	70.9767	F	F	F	F
	3	0.1621	69.5624	F	F	F	F
THPYR_04_233	1	0.1896	82.3219	F	F	F	F
	2	0.1896	78.9939	F	T	F	F
	3	0.1896	78.525	T	T	F	F
THPYR_04_234	1	1.1623	77.8142	F	T	F	F
	2	1.1623	72.93	F	F	F	F
	3	1.1623	71.4025	F	F	F	F
THPYR_04_237	1	0.4065	87.927	T	T	F	F
	2	0.4065	75.2473	F	F	F	F
	3	0.4065	72.6106	F	F	F	F
THPYR_04_241	1	0.8285	80.6173	T	T	F	F
	2	0.8285	76.3211	F	F	F	F
	3	0.8285	73.795	T	T	T	T
THPYR_04_251	1	0.2966	75.2247	F	F	F	F
	2	0.2966	73.6182	F	T	F	F
	3	0.2966	73.548	F	T	F	F
THPYR_04_252	1	0.4094	75.4569	T	T	F	F
	2	0.4094	74.9582	F	F	F	F
	3	0.4094	72.6541	T	T	F	F
THPYR_04_253	1	1.3999	80.1776	T	T	T	T
	2	1.3999	79.0679	T	T	F	F
	3	1.3999	76.3031	F	T	F	F
THPYR_04_267	1	1.3552	80.5233	T	T	F	F
	2	1.3552	79.3872	F	T	F	F
	3	1.3552	77.6385	F	F	F	F
THPYR_04_274	1	1.113	78.6721	F	T	F	F
	2	1.113	75.1662	F	T	F	F
	3	1.113	74.7432	F	T	F	F
THPYR_04_275	1	1.6665	77.646	T	T	T	T
	2	1.6665	76.9798	T	T	F	F
	3	1.6665	75.9065	F	T	F	F
THPYR_04_276	1	0.4134	75.2541	T	T	F	F
	2	0.4134	72.288	T	T	F	F
	3	0.4134	71.3391	T	T	F	F

THPYR_04_278	1	0.2612	84.2461	T	T	F	F
	2	0.2612	73.4949	F	T	F	F
	3	0.2612	73.0216	T	T	F	F
THPYR_04_279	1	0.4064	79.9066	T	T	F	F
	2	0.4064	77.1569	F	F	F	F
	3	0.4064	76.6853	F	F	F	F
THPYR_04_294	1	1.0271	79.0772	F	F	F	F
	2	1.0271	73.5378	T	T	F	F
	3	1.0271	72.9589	T	T	F	F
THPYR_04_297	1	1.158	83.8215	F	T	F	F
	2	1.158	82.8316	F	F	F	F
	3	1.158	75.4015	F	F	F	F
THPYR_04_304	1	0.6372	82.5484	T	T	F	F
	2	0.6372	77.2056	T	T	F	F
	3	0.6372	75.5187	T	T	F	F
THPYR_04_310	1	0.3311	81.2039	T	T	F	F
	2	0.3311	79.8458	F	F	F	F
	3	0.3311	75.482	T	T	T	T
THPYR_04_325	1	1.2612	83.9289	T	T	F	F
	2	1.2612	83.6848	T	T	T	T
	3	1.2612	75.728	F	F	F	F
THPYR_04_329	1	0.349	82.1386	T	T	F	F
	2	0.349	74.7444	T	T	T	T
	3	0.349	71.3596	F	F	F	F
THPYR_04_331	1	1.7474	83.28	T	T	F	F
	2	1.7474	78.1021	T	T	T	T
	3	1.7474	77.4852	T	T	F	F
THPYR_04_342	1	0.2726	67.161	F	F	F	F
	2	0.2726	67.0721	F	F	F	F
	3	0.2726	65.7377	F	F	F	F
THPYR_04_343	1	0.2147	81.1686	T	F	F	F
	2	0.2147	75.0615	F	F	F	F
	3	0.2147	72.5637	F	T	F	F
THPYR_04_344	1	1.5177	77.5559	T	T	F	F
	2	1.5177	72.7051	F	F	F	F
	3	1.5177	71.5867	F	F	F	F
THPYR_04_346	1	1.8072	72.6158	T	T	F	F
	2	1.8072	71.7746	F	F	F	F
	3	1.8072	71.3925	F	F	F	F
THPYR_04_349	1	0.4256	82.1043	T	T	F	F
	2	0.4256	81.6468	T	T	F	F
	3	0.4256	80.0258	F	F	F	F
THPYR_04_351	1	0.2738	80.696	T	F	F	F
	2	0.2738	78.4717	T	T	F	F
	3	0.2738	75.2099	F	T	F	F

THPYR_04_355	1	0.1931	85.0023	T	T	F	F
	2	0.1931	82.8979	F	F	F	F
	3	0.1931	78.2317	F	T	F	F
THPYR_04_365	1	0.6769	86.342	F	F	F	F
	2	0.6769	85.7045	T	T	F	F
	3	0.6769	85.2274	T	T	F	F
THPYR_04_371	1	0.0938	83.3208	T	T	F	F
	2	0.0938	71.8579	F	F	F	F
	3	0.0938	69.7299	F	F	F	F
THPYR_04_372	1	1.1628	79.6788	T	T	F	F
	2	1.1628	77.7227	F	F	F	F
	3	1.1628	70.2206	F	F	F	F
THPYR_04_373	1	1.3164	77.0214	F	F	F	F
	2	1.3164	74.2337	F	T	F	F
	3	1.3164	72.4118	F	T	F	F
THPYR_04_377	1	1.0967	80.9225	T	T	T	T
	2	1.0967	80.5237	T	T	T	T
	3	1.0967	69.9425	T	T	T	T
THPYR_04_378	1	1.2537	71.8536	F	F	F	F
	2	1.2537	71.2524	F	F	F	F
	3	1.2537	71.2331	F	F	F	F
THPYR_04_385	1	1.5191	77.8146	T	T	T	T
	2	1.5191	72.421	F	T	F	F
	3	1.5191	70.8606	F	F	F	F
THPYR_04_386	1	0.7762	86.5531	T	T	F	F
	2	0.7762	84.8846	T	T	T	T
	3	0.7762	80.4414	F	F	F	F
THPYR_04_388	1	1.3449	85.1658	T	F	F	F
	2	1.3449	81.1674	F	T	F	F
	3	1.3449	76.3403	F	F	F	F
THPYR_04_389	1	0.2639	76.0146	F	F	F	F
	2	0.2639	75.9752	T	F	F	F
	3	0.2639	73.8349	F	F	F	F
THPYR_04_394	1	0.2165	83.3151	T	T	F	F
	2	0.2165	79.7614	T	T	T	T
	3	0.2165	77.297	T	T	F	F
THPYR_04_397	1	0.8449	89.9685	T	T	T	T
	2	0.8449	82.0682	T	T	F	F
	3	0.8449	80.0816	T	T	F	F
THPYR_04_398	1	1.6218	84.2324	T	T	T	T
	2	1.6218	80.2112	F	F	F	F
	3	1.6218	77.4383	F	F	F	F
THPYR_04_399	1	0.6009	86.6757	T	T	T	T
	2	0.6009	84.6829	T	F	F	F
	3	0.6009	76.116	F	F	F	F

THPYR_04_400	1	0.4226	84.1064	T	T	F	F
	2	0.4226	76.7039	F	F	F	F
	3	0.4226	74.5081	F	T	F	F
THPYR_04_402	1	0.8796	88.5382	T	T	T	T
	2	0.8796	83.18	T	T	T	T
	3	0.8796	81.5936	F	F	F	F
THPYR_04_403	1	0.2495	80.4079	F	T	F	F
	2	0.2495	74.2568	F	F	F	F
	3	0.2495	72.3532	F	F	F	F
THPYR_04_407	1	0.1234	84.4104	T	T	T	T
	2	0.1234	77.6401	F	T	F	F
	3	0.1234	77.2977	F	F	F	F
THPYR_04_411	1	0.9596	88.4918	T	T	F	F
	2	0.9596	76.8153	F	T	F	F
	3	0.9596	76.162	F	F	F	F
THPYR_04_412	1	0.8498	86.6504	T	T	F	F
	2	0.8498	84.7604	T	T	F	F
	3	0.8498	83.671	T	T	F	F
THPYR_04_413	1	0.9253	77.5679	T	T	F	F
	2	0.9253	76.013	T	T	F	F
	3	0.9253	74.1838	T	T	F	F
THPYR_04_416	1	1.4962	82.0533	T	T	F	F
	2	1.4962	74.9119	F	T	F	F
	3	1.4962	71.8283	F	F	F	F
THPYR_04_417	1	1.2604	80.8782	T	T	F	F
	2	1.2604	77.5087	F	F	F	F
	3	1.2604	70.6437	F	F	F	F
THPYR_04_418	1	0.7271	77.952	F	F	F	F
	2	0.7271	75.8538	F	F	F	F
	3	0.7271	74.5052	F	F	F	F
THPYR_04_419	1	0.9587	80.3852	T	T	F	F
	2	0.9587	79.1554	F	F	F	F
	3	0.9587	74.4887	F	F	F	F
THPYR_04_420	1	0.3683	87.9655	T	T	F	F
	2	0.3683	86.2322	T	T	T	T
	3	0.3683	78.848	F	F	F	F
THPYR_04_426	1	0.4376	78.7211	F	F	F	F
	2	0.4376	73.8616	F	T	F	F
	3	0.4376	72.8366	F	F	F	F
THPYR_04_427	1	0.6003	87.1992	T	T	F	F
	2	0.6003	85.2763	T	T	T	T
	3	0.6003	81.2988	F	F	F	F
THPYR_04_428	1	0.5416	92.7464	T	T	F	F
	2	0.5416	85.516	T	T	T	T
	3	0.5416	83.9776	T	T	F	F

THPYR_04_429	1	0.9694	82.013	T	T	T	T
	2	0.9694	79.7933	T	T	T	T
	3	0.9694	79.0405	F	F	F	F
THPYR_04_430	1	0.8722	88.9212	T	T	T	T
	2	0.8722	85.5505	T	T	F	F
	3	0.8722	78.8075	T	T	F	F
THPYR_05_001	1	1.2776	79.0742	F	F	F	F
	2	1.2776	76.5485	T	T	F	F
	3	1.2776	75.1959	F	T	F	F
THPYR_05_002	1	0.1285	82.574	F	T	F	F
	2	0.1285	82.2768	F	F	F	F
	3	0.1285	75.7857	F	F	F	F
THPYR_05_009	1	0.2442	88.6612	T	T	T	T
	2	0.2442	76.8567	F	F	F	F
	3	0.2442	76.7603	F	F	F	F
THPYR_05_015	1	1.1923	76.711	F	F	F	F
	2	1.1923	73.5288	T	T	F	F
	3	1.1923	71.9698	F	F	F	F
THPYR_05_016	1	0.5596	81.5807	T	T	F	F
	2	0.5596	79.5088	T	T	F	F
	3	0.5596	79.0112	T	T	F	F
THPYR_05_017	1	0.842	69.3446	F	T	F	F
	2	0.842	62.1958	F	F	F	F
	3	0.842	61.2689	F	F	F	F
THPYR_05_037	1	0.7495	79.8458	T	T	F	F
	2	0.7495	79.0867	T	T	F	F
	3	0.7495	72.0594	F	T	F	F
THPYR_05_038	1	1.1122	80.5797	F	F	F	F
	2	1.1122	80.399	T	T	F	F
	3	1.1122	78.9396	T	T	F	F
THPYR_05_039	1	0.2336	82.2444	T	T	T	T
	2	0.2336	78.5354	T	T	F	F
	3	0.2336	76.6599	T	T	F	F
THPYR_05_041	1	1.5438	77.8058	T	T	T	T
	2	1.5438	76.0283	F	F	F	F
	3	1.5438	74.0045	T	F	F	F
THPYR_05_047	1	1.3709	86.3354	F	F	F	F
	2	1.3709	76.7282	F	F	F	F
	3	1.3709	75.9252	F	F	F	F
THPYR_05_048	1	0.9605	78.8593	F	F	F	F
	2	0.9605	77.0491	F	F	F	F
	3	0.9605	76.9723	F	F	F	F
THPYR_05_052	1	0.6446	84.8782	T	T	T	T
	2	0.6446	81.0966	T	T	T	T
	3	0.6446	76.6103	T	T	F	F

THPYR_05_059	1	1.3568	76.8109	T	T	T	T
	2	1.3568	67.9719	T	T	T	T
	3	1.3568	65.0301	T	T	F	F
THPYR_05_060	1	0.0061	80.0436	T	T	F	F
	2	0.0061	70.177	F	F	F	F
	3	0.0061	67.772	F	F	F	F
THPYR_05_072	1	0.6961	77.0627	F	F	F	F
	2	0.6961	76.642	F	F	F	F
	3	0.6961	72.7563	T	T	F	F
THPYR_05_076	1	1.1598	83.3237	T	T	T	T
	2	1.1598	81.8529	T	T	T	T
	3	1.1598	75.6802	F	F	F	F
THPYR_05_077	1	1.191	81.6568	T	T	T	T
	2	1.191	76.9028	F	F	F	F
	3	1.191	76.2367	F	F	F	F
THPYR_05_081	1	0.544	83.8202	T	T	T	T
	2	0.544	77.4521	F	F	F	F
	3	0.544	75.4286	F	T	F	F
THPYR_05_082	1	0.2353	84.6755	T	T	T	T
	2	0.2353	83.8892	T	T	T	T
	3	0.2353	74.4352	F	F	F	F
THPYR_05_083	1	0.3326	83.6221	T	T	T	T
	2	0.3326	74.8496	F	F	F	F
	3	0.3326	74.0289	T	T	F	F
THPYR_05_106	1	0.3126	81.2345	T	T	T	T
	2	0.3126	79.4191	T	T	T	T
	3	0.3126	74.7886	F	F	F	F
THPYR_05_114	1	1.1918	79.0486	T	T	T	T
	2	1.1918	76.1665	F	F	F	F
	3	1.1918	75.1929	T	T	F	F
THPYR_05_144	1	1.0718	78.2465	F	F	F	F
	2	1.0718	75.0283	F	F	F	F
	3	1.0718	70.3508	F	F	F	F
THPYR_05_146	1	1.5585	77.2933	F	F	F	F
	2	1.5585	74.5238	F	F	F	F
	3	1.5585	73.7813	F	F	F	F
THPYR_05_150	1	0.8209	83.6123	T	T	F	F
	2	0.8209	83.1874	F	F	F	F
	3	0.8209	82.5635	T	T	F	F
THPYR_05_152	1	0.3065	81.468	F	F	F	F
	2	0.3065	79.9511	T	T	T	T
	3	0.3065	77.3542	F	F	F	F
THPYR_05_156	1	0.3144	83.831	T	T	F	F
	2	0.3144	82.1851	F	F	F	F
	3	0.3144	78.9824	F	F	F	F

THPYR_05_182	1	1.8488	87.9354	F	F	F	F
	2	1.8488	86.791	T	T	F	F
	3	1.8488	83.4438	T	T	T	T
THPYR_05_185	1	0.9667	83.9433	T	T	F	F
	2	0.9667	78.9015	F	F	F	F
	3	0.9667	71.5933	F	T	F	F
THPYR_05_189	1	1.3113	80.244	T	T	F	F
	2	1.3113	77.7593	T	T	T	T
	3	1.3113	74.3152	F	F	F	F
THPYR_05_214	1	1.7997	76.7429	T	T	T	T
	2	1.7997	74.8738	T	F	F	F
	3	1.7997	74.5796	F	F	F	F
THPYR_05_217	1	1.4672	76.2626	F	F	F	F
	2	1.4672	74.5397	F	T	F	F
	3	1.4672	72.5248	F	F	F	F
THPYR_05_218	1	1.6604	81.8725	T	T	F	F
	2	1.6604	74.0697	F	F	F	F
	3	1.6604	71.0067	F	F	F	F
THPYR_05_220	1	1.1269	87.5014	T	T	T	T
	2	1.1269	84.5494	T	T	F	F
	3	1.1269	79.2357	T	F	F	F
THPYR_05_221	1	0.1204	90.1544	T	T	F	F
	2	0.1204	83.2781	F	F	F	F
	3	0.1204	79.5774	F	F	F	F
THPYR_05_222	1	1.212	80.3601	T	T	T	T
	2	1.212	78.0021	F	F	F	F
	3	1.212	75.6964	T	T	F	F
THPYR_05_223	1	0.973	81.2976	T	T	F	F
	2	0.973	79.135	F	T	F	F
	3	0.973	78.0368	F	F	F	F
THPYR_05_226	1	0.1566	83.3752	T	T	F	F
	2	0.1566	76.4443	F	F	F	F
	3	0.1566	70.6565	T	T	F	F
THPYR_05_227	1	0.1832	81.7624	T	T	T	T
	2	0.1832	79.9427	T	F	F	F
	3	0.1832	76.3297	F	T	F	F
THPYR_05_233	1	0.2405	83.9953	F	F	F	F
	2	0.2405	79.9232	F	F	F	F
	3	0.2405	77.7833	F	F	F	F
THPYR_05_234	1	1.1569	74.4862	F	F	F	F
	2	1.1569	73.8875	T	T	T	T
	3	1.1569	68.115	F	F	F	F
THPYR_05_237	1	0.3624	86.519	T	T	F	F
	2	0.3624	84.126	T	T	F	F
	3	0.3624	80.2449	T	T	F	F

THPYR_05_241	1	1.075	79.812	T	T	F	F
	2	1.075	79.102	F	F	F	F
	3	1.075	77.33	T	T	T	T
THPYR_05_251	1	0.4172	78.6704	T	T	F	F
	2	0.4172	76.7068	T	T	F	F
	3	0.4172	70.9788	F	T	F	F
THPYR_05_252	1	0.4579	76.6068	F	F	F	F
	2	0.4579	75.81	T	T	F	F
	3	0.4579	75.0797	F	F	F	F
THPYR_05_253	1	1.5996	79.4862	T	T	F	F
	2	1.5996	78.1025	F	F	F	F
	3	1.5996	75.9634	F	F	F	F
THPYR_05_267	1	1.129	82.098	F	F	F	F
	2	1.129	74.3736	F	F	F	F
	3	1.129	74.187	F	T	F	F
THPYR_05_274	1	1.6014	76.5364	F	T	F	F
	2	1.6014	76.0968	F	F	F	F
	3	1.6014	73.4001	F	T	F	F
THPYR_05_276	1	0.2068	75.9424	T	T	F	F
	2	0.2068	74.2269	T	T	F	F
	3	0.2068	72.0727	T	T	F	F
THPYR_05_278	1	0.2782	85.2822	T	T	F	F
	2	0.2782	78.9977	T	T	T	T
	3	0.2782	76.3908	T	T	F	F
THPYR_05_279	1	0.3245	80.698	F	F	F	F
	2	0.3245	79.3876	F	F	F	F
	3	0.3245	72.3434	F	T	F	F
THPYR_05_294	1	1.0641	85.3712	T	F	F	F
	2	1.0641	76.3215	F	F	F	F
	3	1.0641	72.4621	F	F	F	F
THPYR_05_297	1	1.1604	84.7484	F	F	F	F
	2	1.1604	82.0108	F	F	F	F
	3	1.1604	78.2159	F	F	F	F
THPYR_05_303	1	0.5246	90.9632	T	T	F	F
	2	0.5246	85.0774	T	T	F	F
	3	0.5246	74.1208	F	F	F	F
THPYR_05_304	1	0.455	80.2857	T	T	T	T
	2	0.455	75.51	T	T	F	F
	3	0.455	73.0204	F	F	F	F
THPYR_05_310	1	0.3827	82.0948	T	T	T	T
	2	0.3827	79.1489	T	T	F	F
	3	0.3827	78.7114	T	T	T	T
THPYR_05_315	1	0.6249	80.9959	T	T	T	T
	2	0.6249	76.2824	F	F	F	F
	3	0.6249	76.1643	F	F	F	F

THPYR_05_325	1	1.2549	83.9868	T	T	T	T
	2	1.2549	80.709	T	T	T	T
	3	1.2549	78.8131	T	T	F	F
THPYR_05_329	1	0.5682	85.0404	T	T	F	F
	2	0.5682	82.0723	T	T	F	F
	3	0.5682	76.6548	T	T	T	T
THPYR_05_331	1	1.8471	80.4201	T	T	T	T
	2	1.8471	79.128	T	T	F	F
	3	1.8471	76.2566	T	T	F	F
THPYR_05_341	1	1.4696	82.0952	T	T	T	T
	2	1.4696	78.3281	T	T	F	F
	3	1.4696	72.7305	F	F	F	F
THPYR_05_342	1	0.2938	78.7426	T	T	F	F
	2	0.2938	68.7035	F	F	F	F
	3	0.2938	68.3045	F	F	F	F
THPYR_05_343	1	0.2259	80.0472	F	F	F	F
	2	0.2259	73.4746	T	T	F	F
	3	0.2259	73.1427	F	F	F	F
THPYR_05_344	1	1.6319	77.5526	T	T	T	T
	2	1.6319	74.3444	F	F	F	F
	3	1.6319	72.7202	F	F	F	F
THPYR_05_346	1	1.8958	75.7859	T	T	F	F
	2	1.8958	72.8307	F	F	F	F
	3	1.8958	72.2851	T	T	F	F
THPYR_05_347	1	1.4921	79.9387	T	T	T	T
	2	1.4921	79.69	T	T	F	F
	3	1.4921	78.0169	T	T	T	T
THPYR_05_348	1	0.6498	90.684	T	T	F	F
	2	0.6498	78.9466	T	T	F	F
	3	0.6498	76.2899	F	F	F	F
THPYR_05_349	1	0.3464	77.2759	F	T	F	F
	2	0.3464	76.2269	F	F	F	F
	3	0.3464	74.6776	F	F	F	F
THPYR_05_351	1	0.2686	83.8719	T	F	F	F
	2	0.2686	79.4394	T	T	F	F
	3	0.2686	78.4631	F	F	F	F
THPYR_05_352	1	1.3173	78.6625	T	T	T	T
	2	1.3173	76.3802	T	T	T	T
	3	1.3173	75.5517	T	T	F	F
THPYR_05_355	1	0.183	82.0851	T	T	F	F
	2	0.183	80.0981	T	T	F	F
	3	0.183	79.9976	F	F	F	F
THPYR_05_365	1	0.8584	80.6558	T	T	F	F
	2	0.8584	77.169	F	F	F	F
	3	0.8584	73.7532	F	F	F	F

THPYR_05_371	1	0.1083	93.0775	T	T	T	T
	2	0.1083	91.0951	T	T	F	F
	3	0.1083	80.1514	F	F	F	F
THPYR_05_372	1	0.973	80.3795	T	T	F	F
	2	0.973	73.6433	F	F	F	F
	3	0.973	70.1681	F	F	F	F
THPYR_05_373	1	1.4191	80.9297	T	T	T	T
	2	1.4191	77.0457	T	T	T	T
	3	1.4191	73.4013	F	F	F	F
THPYR_05_377	1	1.3222	75.077	T	T	T	T
	2	1.3222	72.6708	T	T	T	T
	3	1.3222	72.3414	T	T	T	T
THPYR_05_378	1	1.4488	74.586	F	T	F	F
	2	1.4488	74.1179	F	F	F	F
	3	1.4488	73.9984	F	F	F	F
THPYR_05_385	1	1.2951	76.5137	T	T	F	F
	2	1.2951	71.4603	T	T	F	F
	3	1.2951	70.8641	F	F	F	F
THPYR_05_386	1	0.6431	82.3649	T	T	F	F
	2	0.6431	79.5598	T	T	T	T
	3	0.6431	77.0545	F	F	F	F
THPYR_05_388	1	1.3268	86.6619	T	T	F	F
	2	1.3268	79.1846	F	F	F	F
	3	1.3268	78.2513	T	T	F	F
THPYR_05_389	1	0.207	80.1057	F	F	F	F
	2	0.207	78.6973	T	F	F	F
	3	0.207	69.9247	T	F	F	F
THPYR_05_394	1	0.1882	82.4	T	T	T	T
	2	0.1882	80.6507	T	T	T	T
	3	0.1882	78.8709	T	T	T	T
THPYR_05_397	1	0.8091	87.2064	T	T	T	T
	2	0.8091	85.8595	T	T	T	T
	3	0.8091	82.0881	T	T	F	F
THPYR_05_398	1	1.6203	83.4278	T	T	T	T
	2	1.6203	79.2032	T	T	F	F
	3	1.6203	77.8208	T	T	F	F
THPYR_05_399	1	0.6053	83.8845	T	T	F	F
	2	0.6053	81.1317	T	T	T	T
	3	0.6053	80.1372	T	T	F	F
THPYR_05_400	1	0.4708	86.6951	T	T	F	F
	2	0.4708	84.6393	T	T	F	F
	3	0.4708	80.1324	T	F	F	F
THPYR_05_402	1	0.7178	85.9249	T	T	F	F
	2	0.7178	79.6649	T	T	F	F
	3	0.7178	78.1957	F	F	F	F

THPYR_05_403	1	0.3065	77.4802	F	F	F	F
	2	0.3065	72.4758	F	F	F	F
	3	0.3065	71.8728	F	T	F	F
THPYR_05_407	1	0.1565	89.8576	T	T	T	T
	2	0.1565	88.2606	T	T	F	F
	3	0.1565	82.3033	T	T	F	F
THPYR_05_411	1	0.5238	86.3599	T	T	F	F
	2	0.5238	75.0863	F	T	F	F
	3	0.5238	73.507	F	F	F	F
THPYR_05_412	1	1.6478	87.9884	F	F	F	F
	2	1.6478	84.7183	T	F	F	F
	3	1.6478	80.8458	T	F	F	F
THPYR_05_413	1	1.3155	77.007	T	T	T	T
	2	1.3155	76.9762	T	T	F	F
	3	1.3155	76.866	F	F	F	F
THPYR_05_415	1	1.5129	82.2124	T	T	T	T
	2	1.5129	80.1212	F	F	F	F
	3	1.5129	77.3582	T	F	F	F
THPYR_05_416	1	0.9815	85.1676	T	F	F	F
	2	0.9815	79.7294	T	T	F	F
	3	0.9815	78.0133	F	F	F	F
THPYR_05_417	1	0.7506	75.2291	F	T	F	F
	2	0.7506	73.0574	F	F	F	F
	3	0.7506	72.9626	F	F	F	F
THPYR_05_418	1	0.5708	82.4029	T	T	T	T
	2	0.5708	77.506	F	F	F	F
	3	0.5708	71.5129	F	T	F	F
THPYR_05_419	1	0.9784	81.5138	F	F	F	F
	2	0.9784	74.1357	F	F	F	F
	3	0.9784	69.5716	F	F	F	F
THPYR_05_420	1	0.2897	87.5934	T	T	T	T
	2	0.2897	84.6385	T	T	F	F
	3	0.2897	80.5723	T	T	F	F
THPYR_05_426	1	0.8829	80.0637	F	F	F	F
	2	0.8829	71.6059	F	F	F	F
	3	0.8829	70.9601	F	F	F	F
THPYR_05_427	1	0.5438	89.6525	T	T	F	F
	2	0.5438	82.9536	F	F	F	F
	3	0.5438	76.7385	F	F	F	F
THPYR_05_428	1	0.4644	86.1374	T	T	F	F
	2	0.4644	81.3575	T	T	F	F
	3	0.4644	77.7678	F	F	F	F
THPYR_05_429	1	1.0106	80.3806	F	F	F	F
	2	1.0106	79.6315	T	T	T	T
	3	1.0106	76.9769	F	F	F	F

THPYR_05_430	1	0.9632	83.7972	F	F	F	F
	2	0.9632	82.096	T	T	F	F
	3	0.9632	76.6531	T	T	T	T
THPYR_06_001	1	1.3474	84.2766	T	T	F	F
	2	1.3474	82.5439	F	T	F	F
	3	1.3474	82.5358	T	T	F	F
THPYR_06_002	1	0.3479	79.3645	T	T	T	T
	2	0.3479	77.6901	T	T	T	T
	3	0.3479	76.229	F	F	F	F
THPYR_06_009	1	0.2782	92.4005	T	T	F	F
	2	0.2782	88.6041	T	T	T	T
	3	0.2782	87.5367	T	T	T	T
THPYR_06_016	1	0.3479	81.2031	T	T	F	F
	2	0.3479	81.0518	T	T	F	F
	3	0.3479	78.2008	F	F	F	F
THPYR_06_017	1	0.8054	84.254	T	F	F	F
	2	0.8054	82.3508	T	T	F	F
	3	0.8054	73.7975	T	T	T	T
THPYR_06_037	1	0.7898	85.9605	T	T	F	F
	2	0.7898	82.2151	T	T	F	F
	3	0.7898	81.7505	T	T	F	F
THPYR_06_038	1	1.2128	85.779	T	T	F	F
	2	1.2128	81.739	T	T	F	F
	3	1.2128	74.2806	F	T	F	F
THPYR_06_039	1	0.2153	81.8201	T	T	F	F
	2	0.2153	78.9026	F	F	F	F
	3	0.2153	78.2388	T	T	T	T
THPYR_06_041	1	1.6788	76.848	F	F	F	F
	2	1.6788	76.1326	T	T	F	F
	3	1.6788	75.4193	T	T	F	F
THPYR_06_047	1	1.5838	85.7502	F	F	F	F
	2	1.5838	81.9576	F	F	F	F
	3	1.5838	79.2528	T	F	T	F
THPYR_06_048	1	0.8162	83.4278	T	T	T	T
	2	0.8162	81.099	T	T	T	T
	3	0.8162	78.2592	F	F	F	F
THPYR_06_052	1	1.328	86.445	T	T	T	T
	2	1.328	86.0486	T	T	F	F
	3	1.328	85.6505	T	T	T	T
THPYR_06_059	1	1.2921	75.959	T	T	F	F
	2	1.2921	75.1666	T	T	T	T
	3	1.2921	70.882	T	T	T	T
THPYR_06_060	1	0.0052	78.7006	F	T	F	F
	2	0.0052	76.7413	T	T	F	F
	3	0.0052	74.5553	F	T	F	F

THPYR_06_061	1	0.9382	76.7393	T	T	F	F
	2	0.9382	76.6642	T	T	F	F
	3	0.9382	76.1674	T	T	F	F
THPYR_06_072	1	1.5321	87.0577	F	F	F	F
	2	1.5321	84.6336	T	T	T	T
	3	1.5321	79.9568	T	T	T	T
THPYR_06_076	1	1.1625	80.7402	T	T	T	T
	2	1.1625	78.239	T	T	T	T
	3	1.1625	77.528	T	T	F	F
THPYR_06_077	1	1.8026	81.0977	T	T	F	F
	2	1.8026	77.6646	T	T	T	T
	3	1.8026	76.5238	F	T	F	F
THPYR_06_081	1	0.4776	80.0407	T	T	T	T
	2	0.4776	79.8557	F	T	F	F
	3	0.4776	75.7569	T	T	F	F
THPYR_06_082	1	0.1201	81.8106	T	T	F	F
	2	0.1201	80.2868	T	T	T	T
	3	0.1201	79.89	T	T	T	T
THPYR_06_083	1	0.4725	88.1862	T	T	T	T
	2	0.4725	83.613	T	T	T	T
	3	0.4725	77.5629	T	T	F	F
THPYR_06_106	1	0.2446	88.0376	T	T	T	T
	2	0.2446	80.3851	T	T	T	T
	3	0.2446	79.5901	T	T	T	T
THPYR_06_114	1	1.2266	87.1473	T	T	T	T
	2	1.2266	83.1393	T	T	F	F
	3	1.2266	82.404	T	T	F	F
THPYR_06_150	1	0.5289	82.2761	T	T	F	F
	2	0.5289	82.2143	T	T	F	F
	3	0.5289	81.4215	T	T	F	F
THPYR_06_152	1	0.2844	83.0305	F	F	F	F
	2	0.2844	82.5617	T	T	T	T
	3	0.2844	80.3506	T	T	F	F
THPYR_06_156	1	0.1878	80.9406	T	T	T	T
	2	0.1878	80.4462	T	F	F	F
	3	0.1878	80.0806	F	T	F	F
THPYR_06_185	1	0.9022	89.117	T	T	F	F
	2	0.9022	84.8157	T	T	F	F
	3	0.9022	80.9113	T	T	T	T
THPYR_06_189	1	1.7262	83.8647	T	T	T	T
	2	1.7262	79.9913	T	T	T	T
	3	1.7262	78.8411	F	T	F	F
THPYR_06_217	1	0.3111	87.2303	T	T	F	F
	2	0.3111	82.7334	T	T	F	F
	3	0.3111	78.1533	F	F	F	F

THPYR_06_220	1	1.7266	85.7479	T	T	F	F
	2	1.7266	84.0511	T	T	F	F
	3	1.7266	82.659	T	T	T	T
THPYR_06_221	1	0.187	84.1257	T	T	F	F
	2	0.187	83.6919	T	T	T	T
	3	0.187	80.421	T	T	F	F
THPYR_06_222	1	1.0462	84.5781	T	T	T	T
	2	1.0462	80.24	T	T	F	F
	3	1.0462	76.7822	F	F	F	F
THPYR_06_223	1	0.863	82.9266	T	T	T	T
	2	0.863	79.2086	T	T	T	T
	3	0.863	78.8668	F	F	F	F
THPYR_06_226	1	0.1395	85.3949	T	T	F	F
	2	0.1395	84.0549	T	T	T	T
	3	0.1395	81.3096	T	T	T	T
THPYR_06_227	1	0.1729	87.4316	T	T	T	T
	2	0.1729	82.9357	T	T	F	F
	3	0.1729	81.1061	T	T	T	T
THPYR_06_233	1	0.1352	84.1269	T	T	F	F
	2	0.1352	84.0657	T	T	F	F
	3	0.1352	78.3796	T	T	F	F
THPYR_06_234	1	1.0812	76.7017	F	F	F	F
	2	1.0812	75.6874	T	T	T	T
	3	1.0812	73.5197	T	T	T	T
THPYR_06_237	1	0.1769	90.9708	T	T	F	F
	2	0.1769	85.4713	T	T	F	F
	3	0.1769	79.5131	T	F	F	F
THPYR_06_241	1	0.9462	79.2604	T	T	F	F
	2	0.9462	78.5714	T	T	F	F
	3	0.9462	78.4527	T	T	F	F
THPYR_06_248	1	1.1918	76.8883	F	F	F	F
	2	1.1918	74.7361	F	T	F	F
	3	1.1918	72.4504	F	F	F	F
THPYR_06_249	1	1.7183	87.7943	T	T	T	T
	2	1.7183	87.1479	T	T	T	T
	3	1.7183	79.8895	T	T	F	F
THPYR_06_251	1	0.2808	81.4817	T	T	F	F
	2	0.2808	81.338	T	T	T	T
	3	0.2808	79.5897	F	F	F	F
THPYR_06_252	1	0.3575	80.3122	T	T	F	F
	2	0.3575	79.1066	T	T	T	T
	3	0.3575	76.1049	F	F	F	F
THPYR_06_254	1	1.9253	90.292	T	T	T	T
	2	1.9253	84.4011	T	T	T	T
	3	1.9253	83.4905	T	T	T	T

THPYR_06_267	1	1.1735	84.8427	T	T	T	T
	2	1.1735	82.9702	T	T	F	F
	3	1.1735	81.9592	F	F	F	F
THPYR_06_274	1	0.869	80.4618	F	F	F	F
	2	0.869	80.0831	F	T	F	F
	3	0.869	76.23	F	T	F	F
THPYR_06_275	1	1.9616	84.8459	T	T	T	T
	2	1.9616	80.4409	T	T	F	F
	3	1.9616	79.7302	T	T	F	F
THPYR_06_276	1	0.3475	76.8905	T	T	F	F
	2	0.3475	75.5663	F	F	F	F
	3	0.3475	74.218	T	T	T	T
THPYR_06_278	1	0.2102	88.04	T	T	T	T
	2	0.2102	85.5242	T	T	F	F
	3	0.2102	80.1071	T	T	T	T
THPYR_06_279	1	0.4661	87.3512	T	T	F	F
	2	0.4661	83.932	T	F	F	F
	3	0.4661	81.4093	T	T	F	F
THPYR_06_281	1	1.7037	85.5816	T	T	T	T
	2	1.7037	84.5115	T	T	T	T
	3	1.7037	81.404	T	T	F	F
THPYR_06_294	1	1.4002	83.1585	F	F	F	F
	2	1.4002	77.2856	T	T	F	F
	3	1.4002	74.1218	F	F	F	F
THPYR_06_295	1	1.6604	80.9064	T	T	F	F
	2	1.6604	79.1338	T	T	T	T
	3	1.6604	78.1646	T	T	F	F
THPYR_06_297	1	0.9281	79.1056	T	T	F	F
	2	0.9281	77.0089	T	T	F	F
	3	0.9281	76.2801	F	F	F	F
THPYR_06_301	1	0.9082	84.67	F	F	F	F
	2	0.9082	80.0786	T	T	T	T
	3	0.9082	79.5204	T	F	F	F
THPYR_06_303	1	0.5055	89.9945	T	T	F	F
	2	0.5055	85.5999	T	T	F	F
	3	0.5055	83.822	F	F	F	F
THPYR_06_304	1	0.4226	82.16	T	T	F	F
	2	0.4226	81.6207	T	T	F	F
	3	0.4226	80.6278	T	T	F	F
THPYR_06_310	1	0.3272	82.6995	T	T	F	F
	2	0.3272	81.7683	T	T	F	F
	3	0.3272	80.6342	T	T	F	F
THPYR_06_315	1	0.4861	80.5211	T	T	T	T
	2	0.4861	80.2529	T	T	T	T
	3	0.4861	78.1653	F	F	F	F

THPYR_06_325	1	1.3335	85.5725	T	T	T	T
	2	1.3335	83.9274	T	T	T	T
	3	1.3335	81.4593	F	F	F	F
THPYR_06_329	1	0.6728	82.8029	T	T	F	F
	2	0.6728	81.3358	F	F	F	F
	3	0.6728	76.9214	T	T	T	T
THPYR_06_341	1	0.7506	87.1322	T	T	F	F
	2	0.7506	87.0413	T	T	F	F
	3	0.7506	83.6918	T	T	F	F
THPYR_06_342	1	0.1965	79.1723	T	T	F	F
	2	0.1965	73.805	T	T	F	F
	3	0.1965	67.5686	F	T	F	F
THPYR_06_343	1	0.1753	86.722	T	F	F	F
	2	0.1753	79.1824	T	T	F	F
	3	0.1753	77.0641	T	T	F	F
THPYR_06_347	1	0.7042	82.8376	T	T	T	T
	2	0.7042	82.0153	T	T	F	F
	3	0.7042	80.2657	T	T	T	T
THPYR_06_348	1	0.5353	90.2136	T	T	F	F
	2	0.5353	88.3946	T	T	F	F
	3	0.5353	87.3252	T	T	T	T
THPYR_06_349	1	0.6041	79.4512	T	T	F	F
	2	0.6041	75.2819	T	F	F	F
	3	0.6041	73.7035	T	F	F	F
THPYR_06_351	1	0.273	81.6762	F	F	F	F
	2	0.273	81.0281	T	F	F	F
	3	0.273	80.6879	T	T	F	F
THPYR_06_352	1	1.0554	85.5465	T	T	T	T
	2	1.0554	80.3001	T	T	T	T
	3	1.0554	77.8515	F	F	F	F
THPYR_06_355	1	0.2092	89.2876	T	F	F	F
	2	0.2092	87.6342	T	T	F	F
	3	0.2092	86.5883	T	T	T	T
THPYR_06_365	1	1.2871	87.6329	F	F	F	F
	2	1.2871	87.5666	T	T	F	F
	3	1.2871	83.629	T	T	T	T
THPYR_06_371	1	0.1604	88.8943	T	T	T	T
	2	0.1604	88.4646	T	T	F	F
	3	0.1604	84.4146	T	T	T	T
THPYR_06_373	1	1.5125	83.9857	T	T	T	T
	2	1.5125	77.1576	T	T	T	T
	3	1.5125	76.8503	F	F	F	F
THPYR_06_377	1	0.633	79.7062	T	T	T	T
	2	0.633	76.7904	F	F	F	F
	3	0.633	75.1062	T	T	F	F

THPYR_06_385	1	1.8863	77.195	F	F	F	F
	2	1.8863	74.9372	F	F	F	F
	3	1.8863	70.3014	F	F	F	F
THPYR_06_386	1	0.5253	86.3565	T	T	T	T
	2	0.5253	85.6071	T	T	F	F
	3	0.5253	83.6798	T	T	T	T
THPYR_06_388	1	1.1841	92.1911	T	T	F	F
	2	1.1841	89.2272	T	T	F	F
	3	1.1841	85.1544	T	T	F	F
THPYR_06_389	1	1.0529	75.4431	T	F	F	F
	2	1.0529	72.9911	T	F	F	F
	3	1.0529	72.8739	F	F	F	F
THPYR_06_394	1	0.1072	86.1315	T	T	F	F
	2	0.1072	85.4509	T	T	T	T
	3	0.1072	83.4108	T	T	F	F
THPYR_06_395	1	1.9275	59.6092	F	F	F	F
	2	1.9275	58.6363	T	T	F	F
	3	1.9275	55.906	T	T	F	F
THPYR_06_397	1	0.7887	87.4671	T	T	T	T
	2	0.7887	86.8041	T	T	T	T
	3	0.7887	86.3343	F	F	F	F
THPYR_06_399	1	0.525	87.0602	T	T	T	T
	2	0.525	80.6276	T	T	F	F
	3	0.525	80.3515	T	T	T	T
THPYR_06_400	1	0.4884	88.3133	T	F	F	F
	2	0.4884	85.7059	T	T	F	F
	3	0.4884	84.8673	T	F	F	F
THPYR_06_402	1	1.0252	86.6582	T	F	F	F
	2	1.0252	85.2887	T	F	F	F
	3	1.0252	82.6335	T	T	F	F
THPYR_06_403	1	0.235	74.6525	T	T	F	F
	2	0.235	73.4418	T	F	F	F
	3	0.235	69.1258	F	F	F	F
THPYR_06_407	1	0.1632	90.8699	T	T	F	F
	2	0.1632	90.666	T	T	T	T
	3	0.1632	85.6363	T	T	F	F
THPYR_06_411	1	0.8863	87.5389	T	T	T	T
	2	0.8863	86.2498	T	T	F	F
	3	0.8863	82.4555	T	T	T	T
THPYR_06_412	1	1.7898	85.9092	T	T	F	F
	2	1.7898	85.5594	T	T	F	F
	3	1.7898	83.3082	T	T	T	T
THPYR_06_413	1	0.9703	79.5287	T	T	F	F
	2	0.9703	78.9074	T	T	F	F
	3	0.9703	78.0801	F	F	F	F

THPYR_06_416	1	0.8549	88.5323	T	T	F	F
	2	0.8549	85.2213	T	T	F	F
	3	0.8549	82.2953	T	T	F	F
THPYR_06_417	1	0.7567	81.8749	T	T	F	F
	2	0.7567	80.8775	T	T	F	F
	3	0.7567	75.4053	F	F	F	F
THPYR_06_418	1	0.6276	85.9861	T	T	T	T
	2	0.6276	84.7077	T	T	T	T
	3	0.6276	84.2716	T	T	F	F
THPYR_06_419	1	1.409	86.775	T	T	F	F
	2	1.409	81.2502	F	F	F	F
	3	1.409	80.0752	T	T	F	F
THPYR_06_420	1	0.4956	87.3368	T	T	T	T
	2	0.4956	80.4565	T	T	F	F
	3	0.4956	78.6637	F	F	F	F
THPYR_06_426	1	0.8166	82.535	T	T	T	T
	2	0.8166	80.1809	F	F	F	F
	3	0.8166	75.1953	F	F	F	F
THPYR_06_427	1	0.9833	86.7936	T	T	F	F
	2	0.9833	85.753	T	T	T	T
	3	0.9833	85.6247	T	T	F	F
THPYR_06_428	1	0.8033	90.7608	T	T	T	T
	2	0.8033	87.9777	T	T	F	F
	3	0.8033	81.7752	F	F	F	F
THPYR_06_430	1	1.1744	89.3787	T	T	T	T
	2	1.1744	88.8283	T	T	F	F
	3	1.1744	82.4933	F	F	F	F

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

e) D83G+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	62.9738	F	F	F	F
	2	1.9289	58.583	F	F	F	F
	3	1.9289	55.3752	F	F	F	F
OXBC_01_371	1	0.5026	71.9328	T	T	F	F
	2	0.5026	64.9674	F	F	F	F
	3	0.5026	63.6147	F	T	F	F
OXBC_01_395	1	1.5707	49.181	T	T	F	F
	2	1.5707	47.6363	T	T	F	F
	3	1.5707	47.0043	F	F	F	F
OXBC_02_016	1	0.4034	66.1992	F	F	F	F
	2	0.4034	66.1844	T	T	F	F
	3	0.4034	64.5913	F	T	F	F
OXBC_02_114	1	0.7967	68.1066	T	T	F	F
	2	0.7967	66.0648	T	T	F	F
	3	0.7967	65.0697	T	T	F	F
OXBC_02_184	1	1.9902	64.6033	T	T	F	F
	2	1.9902	64.5982	F	T	F	F
	3	1.9902	64.1636	F	T	F	F
OXBC_02_252	1	0.2345	64.7524	F	T	F	F
	2	0.2345	64.5067	F	F	F	F
	3	0.2345	64.46	F	T	F	F
OXBC_02_254	1	1.0812	72.4494	F	F	F	F
	2	1.0812	67.8653	T	T	T	T
	3	1.0812	67.2475	T	T	F	F
OXBC_02_284	1	1.5325	66.3781	F	T	F	F
	2	1.5325	65.6993	F	T	F	F
	3	1.5325	65.3565	F	T	F	F
OXBC_02_310	1	0.5585	67.8678	F	F	F	F
	2	0.5585	65.0766	T	T	F	F
	3	0.5585	62.9175	T	T	F	F
THIND_01_030	1	0.4726	56.527	F	F	F	F
	2	0.4726	54.7655	F	F	F	F
	3	0.4726	54.5975	F	F	F	F
THIND_01_049	1	1.5639	54.0465	F	F	F	F
	2	1.5639	53.9559	F	F	F	F
	3	1.5639	52.4614	F	F	F	F
THIND_01_116	1	0.5836	66.809	T	T	F	F
	2	0.5836	62.6999	F	F	F	F
	3	0.5836	60.3192	F	F	F	F
THIND_03_044	1	1.8382	56.508	F	F	F	F
	2	1.8382	54.2814	F	F	F	F
	3	1.8382	54.103	F	F	F	F

THIND_03_048	1	1.0325	58.2875	F	F	F	F
	2	1.0325	55.6159	F	F	F	F
	3	1.0325	52.502	F	F	F	F
THIND_03_131	1	0.5055	66.6567	F	F	F	F
	2	0.5055	57.4757	F	T	F	F
	3	0.5055	56.0359	F	T	F	F
THIND_03_137	1	0.338	49.1376	F	F	F	F
	2	0.338	49.1283	F	F	F	F
	3	0.338	48.2662	F	F	F	F
THIND_03_260	1	1.8076	51.7871	T	F	F	F
	2	1.8076	48.4567	T	F	F	F
	3	1.8076	48.3981	F	F	F	F
THIND_03_354	1	0.7537	64.6609	F	F	F	F
	2	0.7537	57.1771	F	F	F	F
	3	0.7537	56.5553	F	F	F	F
THIND_03_369	1	1.0195	60.7765	F	T	F	F
	2	1.0195	58.4017	F	T	F	F
	3	1.0195	57.2382	F	T	F	F
THIND_03_371	1	1.159	51.8859	T	T	F	F
	2	1.159	51.8765	T	F	F	F
	3	1.159	49.1091	F	F	F	F
THIND_04_028	1	1.6916	64.9062	F	F	F	F
	2	1.6916	64.6518	F	F	F	F
	3	1.6916	63.571	F	F	F	F
THIND_04_030	1	0.8	55.6878	T	F	F	F
	2	0.8	52.5494	T	F	F	F
	3	0.8	51.8604	F	F	F	F
THIND_04_160	1	1.0792	55.7401	F	F	F	F
	2	1.0792	51.3776	F	F	F	F
	3	1.0792	45.5256	T	F	F	F
THIND_04_163	1	0.6761	61.7089	F	F	F	F
	2	0.6761	57.3938	F	F	F	F
	3	0.6761	50.5721	F	F	F	F
THIND_04_211	1	0.9772	58.3815	F	F	F	F
	2	0.9772	51.8276	F	F	F	F
	3	0.9772	48.5505	F	F	F	F
THIND_04_213	1	0.9486	60.1484	F	F	F	F
	2	0.9486	58.1183	T	F	F	F
	3	0.9486	56.3663	F	F	F	F
THIND_04_260	1	1.075	62.9328	F	F	F	F
	2	1.075	59.4688	F	F	F	F
	3	1.075	59.4314	F	F	F	F
THIND_04_350	1	1.8625	76.2518	F	F	F	F
	2	1.8625	74.5441	F	F	F	F
	3	1.8625	70.808	T	F	F	F

THIND_04_393	1	1.8694	72.0637	F	F	F	F
	2	1.8694	69.6011	T	F	F	F
	3	1.8694	69.0788	T	F	F	F
THIND_04_395	1	1.2691	58.5085	F	F	F	F
	2	1.2691	48.6636	F	F	F	F
	3	1.2691	48.0903	F	F	F	F
THIND_05_105	1	1.9838	84.0263	T	F	F	F
	2	1.9838	83.9921	T	F	F	F
	3	1.9838	82.3433	F	F	F	F
THIND_05_113	1	1.3772	79.6795	F	F	F	F
	2	1.3772	78.2631	T	F	F	F
	3	1.3772	75.2912	T	F	F	F
THIND_05_131	1	0.764	81.8482	F	T	F	F
	2	0.764	80.7794	T	T	F	F
	3	0.764	79.1155	F	T	F	F
THIND_05_137	1	0.4292	75.533	F	F	F	F
	2	0.4292	72.6217	F	F	F	F
	3	0.4292	71.9615	F	F	F	F
THIND_05_260	1	0.9986	77.4703	T	F	F	F
	2	0.9986	75.9565	T	F	F	F
	3	0.9986	74.759	T	F	F	F
THIND_05_354	1	1.0414	84.0338	F	F	F	F
	2	1.0414	82.3468	F	F	F	F
	3	1.0414	79.1214	F	F	F	F
THIND_05_355	1	1.9507	82.2364	F	F	F	F
	2	1.9507	82.1695	T	F	F	F
	3	1.9507	79.9731	T	T	F	F
THIND_05_369	1	1.358	93.2775	F	F	F	F
	2	1.358	84.0581	F	T	F	F
	3	1.358	81.6982	F	T	F	F
THIND_05_371	1	1.6372	82.5161	F	F	F	F
	2	1.6372	82.2686	F	F	F	F
	3	1.6372	82.2022	F	F	F	F
THIND_06_030	1	1.6626	78.6838	T	T	F	F
	2	1.6626	78.1935	F	F	F	F
	3	1.6626	76.3584	T	F	F	F
THIND_06_031	1	0.79	74.3278	T	F	F	F
	2	0.79	74.107	F	F	F	F
	3	0.79	73.1912	F	F	F	F
THIND_06_047	1	1.3119	80.3387	F	F	F	F
	2	1.3119	77.9932	F	F	F	F
	3	1.3119	76.9649	F	F	F	F
THIND_06_049	1	0.4853	79.4159	F	F	F	F
	2	0.4853	76.3046	F	F	F	F
	3	0.4853	74.1993	F	F	F	F

THIND_06_050	1	0.9164	82.6214	F	F	F	F
	2	0.9164	81.3353	F	F	F	F
	3	0.9164	79.9623	F	F	F	F
THIND_06_142	1	0.9616	78.6172	F	F	F	F
	2	0.9616	76.7922	F	F	F	F
	3	0.9616	74.8029	F	F	F	F
THIND_06_187	1	0.5973	75.6501	F	F	F	F
	2	0.5973	72.9948	F	F	F	F
	3	0.5973	72.3235	F	F	F	F
THIND_06_211	1	0.2488	77.389	F	F	F	F
	2	0.2488	76.6748	T	F	F	F
	3	0.2488	73.0411	T	F	F	F
THIND_06_247	1	0.9068	68.0538	F	F	F	F
	2	0.9068	65.9242	F	F	F	F
	3	0.9068	61.9617	F	F	F	F
THIND_06_382	1	0.7084	74.4143	F	F	F	F
	2	0.7084	73.0721	F	F	F	F
	3	0.7084	71.69	F	F	F	F
THIND_07_005	1	0.7485	47.3407	F	F	F	F
	2	0.7485	44.0008	F	T	F	F
	3	0.7485	42.1924	F	T	F	F
THIND_07_023	1	1.2682	56.7983	T	T	F	F
	2	1.2682	56.5564	F	F	F	F
	3	1.2682	55.8222	T	T	T	T
THIND_07_048	1	1.8647	62.8274	F	F	F	F
	2	1.8647	62.8223	F	F	F	F
	3	1.8647	59.9415	F	F	F	F
THIND_07_078	1	1.7713	60.4151	T	F	F	F
	2	1.7713	51.8518	T	F	F	F
	3	1.7713	50.9706	F	F	F	F
THIND_07_108	1	1.4983	60.5237	T	F	F	F
	2	1.4983	57.2102	F	F	F	F
	3	1.4983	56.5413	F	F	F	F
THIND_07_109	1	0.8584	57.3676	F	F	F	F
	2	0.8584	51.4254	F	F	F	F
	3	0.8584	47.6725	F	F	F	F
THIND_07_131	1	0.8545	56.1138	F	F	F	F
	2	0.8545	55.7767	F	T	F	F
	3	0.8545	55.536	F	F	F	F
THIND_07_137	1	1.5188	56.3807	F	F	F	F
	2	1.5188	56.0987	T	T	F	F
	3	1.5188	55.5584	F	F	F	F
THIND_07_140	1	1.0385	64.1018	F	F	F	F
	2	1.0385	58.1128	F	F	F	F
	3	1.0385	58.0152	T	F	F	F

THIND_07_171	1	0.9867	47.9915	F	F	F	F
	2	0.9867	42.8816	F	F	F	F
	3	0.9867	42.2772	F	F	F	F
THIND_07_172	1	0.6561	56.6612	F	F	F	F
	2	0.6561	54.0506	F	F	F	F
	3	0.6561	48.8306	F	F	F	F
THIND_07_176	1	0.7963	57.0958	F	T	F	F
	2	0.7963	54.6637	F	T	F	F
	3	0.7963	54.3594	F	F	F	F
THIND_07_192	1	1.6769	57.6405	F	F	F	F
	2	1.6769	56.2995	T	F	F	F
	3	1.6769	54.4977	F	F	F	F
THIND_07_354	1	0.9147	62.0916	F	F	F	F
	2	0.9147	61.8269	F	F	F	F
	3	0.9147	61.6332	F	F	F	F
THIND_07_387	1	0.7932	55.7177	F	F	F	F
	2	0.7932	53.685	F	F	F	F
	3	0.7932	53.1997	F	F	F	F
THIND_08_044	1	1.4431	61.9339	F	F	F	F
	2	1.4431	61.8181	F	F	F	F
	3	1.4431	61.7253	F	F	F	F
THIND_08_048	1	0.9532	66.5497	F	F	F	F
	2	0.9532	60.4816	F	F	F	F
	3	0.9532	59.2671	F	F	F	F
THIND_08_113	1	1.9244	56.6574	T	F	F	F
	2	1.9244	54.9972	T	F	F	F
	3	1.9244	53.4169	T	F	F	F
THIND_08_131	1	1.3065	58.468	F	T	F	F
	2	1.3065	57.7235	F	T	F	F
	3	1.3065	56.1084	F	T	F	F
THIND_08_137	1	0.3863	64.8312	F	F	F	F
	2	0.3863	64.3182	F	F	F	F
	3	0.3863	59.8819	F	F	F	F
THIND_08_279	1	1.953	64.5022	F	F	F	F
	2	1.953	62.2471	F	F	F	F
	3	1.953	61.8219	T	T	F	F
THIND_08_354	1	1.3533	60.834	F	F	F	F
	2	1.3533	58.4317	F	F	F	F
	3	1.3533	57.352	F	F	F	F
THIND_09_004	1	1.186	82.6302	F	F	F	F
	2	1.186	79.9121	F	F	F	F
	3	1.186	75.8745	F	F	F	F
THIND_09_005	1	0.3548	71.2734	F	F	F	F
	2	0.3548	65.5599	F	F	F	F
	3	0.3548	63.1821	F	F	F	F

THIND_09_023	1	0.9861	81.1452	F	F	F	F
	2	0.9861	80.1213	F	F	F	F
	3	0.9861	75.9998	T	F	F	F
THIND_09_055	1	1.8184	55.6228	F	F	F	F
	2	1.8184	55.5396	F	F	F	F
	3	1.8184	54.8318	F	F	F	F
THIND_09_057	1	0.3286	73.6934	F	F	F	F
	2	0.3286	73.1493	F	F	F	F
	3	0.3286	71.2506	F	F	F	F
THIND_09_058	1	0.3156	82.211	F	F	F	F
	2	0.3156	76.1445	F	F	F	F
	3	0.3156	75.9229	F	F	F	F
THIND_09_060	1	1.7583	78.2359	F	F	F	F
	2	1.7583	71.9638	F	F	F	F
	3	1.7583	71.0884	F	F	F	F
THIND_09_065	1	1.7434	59.6952	F	F	F	F
	2	1.7434	58.0619	F	F	F	F
	3	1.7434	57.5763	T	F	F	F
THIND_09_090	1	1.1527	75.3377	T	F	F	F
	2	1.1527	72.6368	T	F	F	F
	3	1.1527	72.2979	F	F	F	F
THIND_09_108	1	0.9475	83.8252	F	F	F	F
	2	0.9475	80.406	T	F	F	F
	3	0.9475	78.6373	T	F	F	F
THIND_09_109	1	0.4705	73.6173	F	F	F	F
	2	0.4705	72.3985	F	F	F	F
	3	0.4705	72.1231	F	F	F	F
THIND_09_113	1	0.9152	71.956	T	F	F	F
	2	0.9152	71.4168	F	F	F	F
	3	0.9152	71.3684	F	F	F	F
THIND_09_115	1	1.4743	81.6125	T	F	F	F
	2	1.4743	78.6292	T	F	F	F
	3	1.4743	76.7644	T	F	F	F
THIND_09_117	1	1.1277	85.3134	F	F	F	F
	2	1.1277	83.5208	F	F	F	F
	3	1.1277	79.3491	T	F	F	F
THIND_09_131	1	1.0524	83.4293	F	F	F	F
	2	1.0524	81.5107	F	F	F	F
	3	1.0524	79.7611	F	T	F	F
THIND_09_137	1	0.4097	79.1844	F	F	F	F
	2	0.4097	76.5326	F	F	F	F
	3	0.4097	74.0556	F	F	F	F
THIND_09_161	1	0.7962	63.5018	F	F	F	F
	2	0.7962	62.5535	T	F	F	F
	3	0.7962	62.2004	T	F	F	F

THIND_09_163	1	0.8537	65.9833	T	F	F	F
	2	0.8537	64.4879	F	F	F	F
	3	0.8537	63.115	F	F	F	F
THIND_09_167	1	1.9629	77.6972	F	F	F	F
	2	1.9629	73.6303	F	F	F	F
	3	1.9629	68.4312	F	F	F	F
THIND_09_171	1	1.2508	67.6774	F	F	F	F
	2	1.2508	65.0754	F	F	F	F
	3	1.2508	64.2759	F	F	F	F
THIND_09_172	1	0.8551	71.5031	F	F	F	F
	2	0.8551	68.0472	F	F	F	F
	3	0.8551	66.6026	T	F	F	F
THIND_09_173	1	1.5188	76.8065	F	F	F	F
	2	1.5188	74.6536	F	F	F	F
	3	1.5188	70.5211	F	F	F	F
THIND_09_176	1	1.1327	76.6588	F	T	F	F
	2	1.1327	75.4746	F	T	T	F
	3	1.1327	75.1634	T	T	T	T
THIND_09_179	1	1.3999	84.2913	F	F	F	F
	2	1.3999	80.7144	T	F	F	F
	3	1.3999	80.5591	T	F	F	F
THIND_09_186	1	1.7931	83.5228	F	F	F	F
	2	1.7931	82.936	F	F	F	F
	3	1.7931	81.7783	F	F	F	F
THIND_09_260	1	0.5595	75.4701	F	F	F	F
	2	0.5595	74.9916	F	F	F	F
	3	0.5595	74.7298	F	F	F	F
THIND_09_354	1	1.2365	77.8974	F	F	F	F
	2	1.2365	77.1674	F	F	F	F
	3	1.2365	73.3717	F	F	F	F
THIND_09_369	1	1.7254	80.8612	F	T	F	F
	2	1.7254	80.2086	F	T	F	F
	3	1.7254	79.0838	F	T	F	F
THIND_09_371	1	1.2996	81.3537	F	F	F	F
	2	1.2996	76.4154	F	F	F	F
	3	1.2996	73.9627	F	F	F	F
THIND_09_387	1	0.232	79.8348	F	F	F	F
	2	0.232	76.8318	F	F	F	F
	3	0.232	74.0959	F	F	F	F
THIND_10_002	1	1.4401	56.9811	F	F	F	F
	2	1.4401	56.7033	F	F	F	F
	3	1.4401	54.2278	F	F	F	F
THIND_10_044	1	1.6619	62.0441	F	F	F	F
	2	1.6619	58.224	F	F	F	F
	3	1.6619	55.9012	F	F	F	F

THIND_10_048	1	0.8648	60.8021	F	F	F	F
	2	0.8648	60.7979	F	F	F	F
	3	0.8648	59.5009	F	F	F	F
THIND_10_113	1	1.4015	58.3143	T	F	F	F
	2	1.4015	56.1461	F	F	F	F
	3	1.4015	49.6872	F	F	F	F
THIND_10_131	1	0.2951	57.9161	T	T	T	T
	2	0.2951	55.8471	F	T	F	F
	3	0.2951	55.8341	F	F	F	F
THIND_10_137	1	0.4936	53.584	F	F	F	F
	2	0.4936	53.2918	F	F	F	F
	3	0.4936	52.8829	F	F	F	F
THIND_10_157	1	1.8197	60.4457	T	T	F	F
	2	1.8197	59.5908	F	F	F	F
	3	1.8197	56.6149	F	F	F	F
THIND_10_179	1	1.6084	65.2453	F	F	F	F
	2	1.6084	59.4937	T	T	F	F
	3	1.6084	58.2505	F	F	F	F
THIND_10_260	1	1.2797	56.5552	F	F	F	F
	2	1.2797	56.4155	F	F	F	F
	3	1.2797	53.4251	T	F	F	F
THIND_10_350	1	1.6746	66.6349	F	F	F	F
	2	1.6746	52.9197	F	F	F	F
	3	1.6746	51.9292	T	F	F	F
THIND_10_354	1	0.288	61.7443	F	F	F	F
	2	0.288	60.9593	F	F	F	F
	3	0.288	60.4377	F	F	F	F
THIND_10_355	1	1.3804	59.419	F	F	F	F
	2	1.3804	55.6618	F	F	F	F
	3	1.3804	55.5464	F	F	F	F
THIND_10_369	1	0.7827	65.2082	F	T	F	F
	2	0.7827	64.6089	F	F	F	F
	3	0.7827	64.3198	F	F	F	F
THIND_10_371	1	1.561	57.4284	F	F	F	F
	2	1.561	56.4792	F	F	F	F
	3	1.561	55.6609	F	F	F	F
THIND_10_391	1	1.5599	58.8213	F	F	F	F
	2	1.5599	56.3103	T	T	T	T
	3	1.5599	53.6735	F	F	F	F
THIND_12_019	1	1.8599	72.6929	T	F	F	F
	2	1.8599	68.9699	T	F	F	F
	3	1.8599	64.5388	T	T	T	T
THIND_12_020	1	1.8985	74.8314	F	F	F	F
	2	1.8985	74.4233	F	F	F	F
	3	1.8985	73.4681	F	F	F	F

THIND_12_074	1	1.8854	83.2313	T	T	T	T
	2	1.8854	82.5892	F	F	F	F
	3	1.8854	82.491	F	F	F	F
THIND_12_076	1	0.3049	83.1974	T	F	F	F
	2	0.3049	82.9434	F	F	F	F
	3	0.3049	81.6634	F	F	F	F
THIND_12_093	1	1.2732	86.1097	F	F	F	F
	2	1.2732	81.9272	F	F	F	F
	3	1.2732	81.0845	T	T	F	F
THIND_12_107	1	0.6667	74.7457	T	F	F	F
	2	0.6667	72.8733	T	F	F	F
	3	0.6667	68.1656	T	F	F	F
THIND_12_112	1	0.148	77.5318	T	T	F	F
	2	0.148	76.9043	T	F	F	F
	3	0.148	75.8873	T	T	T	T
THIND_12_144	1	0.3252	87.5534	T	F	F	F
	2	0.3252	76.9746	F	F	F	F
	3	0.3252	75.331	T	F	F	F
THIND_12_178	1	1.7482	74.6563	F	F	F	F
	2	1.7482	70.5934	T	T	F	F
	3	1.7482	68.9838	T	F	F	F
THIND_12_182	1	0.7729	89.8693	F	F	F	F
	2	0.7729	89.2813	F	F	F	F
	3	0.7729	89.0609	F	F	F	F
THIND_12_246	1	0.9232	85.1784	F	F	F	F
	2	0.9232	83.2855	F	F	F	F
	3	0.9232	79.6179	F	F	F	F
THIND_13_019	1	0.9554	63.1088	F	F	F	F
	2	0.9554	62.0166	F	F	F	F
	3	0.9554	59.9428	F	F	F	F
THIND_13_044	1	0.5463	64.7095	F	F	F	F
	2	0.5463	61.3803	F	F	F	F
	3	0.5463	60.7538	F	F	F	F
THIND_13_080	1	1.7318	73.1693	F	F	F	F
	2	1.7318	73.0816	F	F	F	F
	3	1.7318	72.057	T	F	F	F
THIND_13_106	1	1.336	79.5535	F	F	F	F
	2	1.336	78.1603	F	F	F	F
	3	1.336	75.793	F	F	F	F
THIND_13_145	1	1.7239	72.4677	F	F	F	F
	2	1.7239	72.1385	F	F	F	F
	3	1.7239	70.387	F	F	F	F
THIND_13_195	1	0.472	68.7023	F	F	F	F
	2	0.472	68.6598	F	F	F	F
	3	0.472	67.0597	T	T	F	F

THIND_13_246	1	0.2419	74.5167	F	F	F	F
	2	0.2419	71.3458	F	F	F	F
	3	0.2419	71.2073	F	F	F	F
THIND_13_247	1	0.0732	75.7897	T	F	F	F
	2	0.0732	75.1387	F	F	F	F
	3	0.0732	71.014	F	F	F	F
THIND_14_012	1	1.1405	61.6881	F	F	F	F
	2	1.1405	58.3159	F	F	F	F
	3	1.1405	58.0508	F	F	F	F
THIND_14_078	1	0.1947	68.381	F	F	F	F
	2	0.1947	61.7895	T	F	F	F
	3	0.1947	61.3441	F	F	F	F
THIND_14_120	1	0.4672	58.2048	F	F	F	F
	2	0.4672	57.5681	F	F	F	F
	3	0.4672	55.3595	F	F	F	F
THIND_14_182	1	1.3415	60.9986	F	F	F	F
	2	1.3415	60.3618	T	F	F	F
	3	1.3415	59.8563	T	F	F	F
THIND_14_196	1	1.9829	55.6789	F	F	F	F
	2	1.9829	54.159	F	F	F	F
	3	1.9829	52.9638	F	F	F	F
THIND_15_004	1	0.5482	56.4026	T	T	T	T
	2	0.5482	52.2909	T	T	T	T
	3	0.5482	51.4742	T	T	F	F
THIND_15_021	1	1.7239	51.5033	T	F	F	F
	2	1.7239	51.0653	T	T	T	T
	3	1.7239	50.7402	T	F	F	F
THIND_15_028	1	0.5981	61.7228	T	T	F	F
	2	0.5981	59.0321	T	F	F	F
	3	0.5981	56.4398	T	T	F	F
THIND_15_030	1	0.5045	53.8956	T	T	T	T
	2	0.5045	52.9493	F	F	F	F
	3	0.5045	50.6453	T	T	T	T
THIND_15_050	1	1.2081	49.6415	T	T	F	F
	2	1.2081	48.346	T	T	F	F
	3	1.2081	46.6586	T	T	F	F
THIND_15_105	1	0.9076	53.7111	T	T	F	F
	2	0.9076	49.9318	F	F	F	F
	3	0.9076	47.4544	F	F	F	F
THIND_15_122	1	1.4161	56.7049	T	T	T	T
	2	1.4161	52.5612	T	F	F	F
	3	1.4161	50.6735	T	F	F	F
THIND_15_133	1	0.826	52.8979	F	F	F	F
	2	0.826	50.2512	T	F	F	F
	3	0.826	50.2026	T	T	T	T

THIND_15_178	1	0.719	50.2374	F	F	F	F
	2	0.719	49.6945	T	T	F	F
	3	0.719	49.0356	F	F	F	F
THIND_15_196	1	1.6177	63.0002	F	F	F	F
	2	1.6177	62.4926	F	F	F	F
	3	1.6177	58.5955	F	F	F	F
THIND_15_217	1	1.6619	51.7764	T	T	F	F
	2	1.6619	51.5048	F	F	F	F
	3	1.6619	51.4343	F	F	F	F
THIND_15_218	1	1.0493	63.2467	F	F	F	F
	2	1.0493	58.425	F	F	F	F
	3	1.0493	57.6109	T	F	F	F
THIND_15_245	1	1.7187	64.1501	F	F	F	F
	2	1.7187	63.1297	F	F	F	F
	3	1.7187	60.4097	F	F	F	F
THIND_16_078	1	0.6399	78.925	F	F	F	F
	2	0.6399	77.4786	F	F	F	F
	3	0.6399	75.5981	T	T	F	F
THIND_16_112	1	0.8831	74.3665	F	F	F	F
	2	0.8831	72.3275	F	F	F	F
	3	0.8831	71.6486	T	T	F	F
THIND_16_118	1	0.9594	86.5764	F	F	F	F
	2	0.9594	84.5128	T	T	F	F
	3	0.9594	84.2953	F	F	F	F
THIND_16_120	1	1.731	86.2809	T	F	F	F
	2	1.731	80.3252	T	F	F	F
	3	1.731	75.47	F	F	F	F
THIND_16_124	1	0.6086	73.2617	T	F	F	F
	2	0.6086	72.4059	T	T	F	F
	3	0.6086	71.1475	F	F	F	F
THIND_16_144	1	1.5664	80.4275	T	F	F	F
	2	1.5664	75.2042	F	F	F	F
	3	1.5664	73.5243	T	F	F	F
THIND_16_246	1	1.8256	82.258	F	F	F	F
	2	1.8256	81.2368	F	F	F	F
	3	1.8256	78.5312	F	F	F	F
THIND_16_247	1	0.4882	82.6104	F	F	F	F
	2	0.4882	81.7841	F	F	F	F
	3	0.4882	81.4084	T	F	F	F
THPYR_01_017	1	1.5467	61.79	F	F	F	F
	2	1.5467	61.0527	F	F	F	F
	3	1.5467	60.2626	F	F	F	F
THPYR_01_037	1	1.2882	74.824	F	F	F	F
	2	1.2882	72.0852	F	T	F	F
	3	1.2882	71.7334	F	F	F	F

THPYR_01_038	1	1.4142	74.1306	F	F	F	F
	2	1.4142	71.1271	F	T	F	F
	3	1.4142	70.4535	F	T	F	F
THPYR_01_082	1	1.6144	78.0251	F	T	F	F
	2	1.6144	74.1489	F	F	F	F
	3	1.6144	73.5814	F	F	F	F
THPYR_01_114	1	1.8484	74.2524	F	F	F	F
	2	1.8484	73.6664	T	F	F	F
	3	1.8484	73.5441	F	F	F	F
THPYR_01_185	1	1.6368	73.4423	F	F	F	F
	2	1.6368	73.2046	T	F	F	F
	3	1.6368	72.279	F	F	F	F
THPYR_01_221	1	1.1416	77.6827	F	F	F	F
	2	1.1416	76.4036	F	F	F	F
	3	1.1416	74.7469	T	T	F	F
THPYR_01_226	1	1.2735	70.104	F	F	F	F
	2	1.2735	67.7431	F	F	F	F
	3	1.2735	67.0808	F	F	F	F
THPYR_01_227	1	0.5581	73.5345	F	F	F	F
	2	0.5581	72.1621	F	F	F	F
	3	0.5581	71.9565	F	F	F	F
THPYR_01_233	1	0.5864	77.8019	F	F	F	F
	2	0.5864	75.9116	F	T	F	F
	3	0.5864	73.6956	F	T	F	F
THPYR_01_276	1	1.7775	74.3665	F	F	F	F
	2	1.7775	72.6239	F	F	F	F
	3	1.7775	68.3886	T	F	F	F
THPYR_01_303	1	1.4801	79.5567	F	T	F	F
	2	1.4801	78.1716	T	F	F	F
	3	1.4801	75.1821	F	F	F	F
THPYR_01_315	1	1.6649	75.9247	F	T	T	F
	2	1.6649	74.1382	F	F	F	F
	3	1.6649	73.5292	F	F	F	F
THPYR_01_329	1	0.6343	70.8763	F	F	F	F
	2	0.6343	69.6307	F	F	F	F
	3	0.6343	68.9756	F	T	F	F
THPYR_01_378	1	1.9059	77.2965	F	F	F	F
	2	1.9059	72.132	F	F	F	F
	3	1.9059	71.8108	F	F	F	F
THPYR_01_386	1	1.0617	76.4314	F	F	F	F
	2	1.0617	71.0407	F	F	F	F
	3	1.0617	70.834	F	T	F	F
THPYR_01_416	1	1.627	76.7145	F	F	F	F
	2	1.627	71.6393	F	F	F	F
	3	1.627	70.5282	F	F	F	F

THPYR_01_417	1	1.3311	73.2819	F	T	F	F
	2	1.3311	73.0136	F	T	F	F
	3	1.3311	71.3549	F	F	F	F
THPYR_01_420	1	0.6811	78.627	F	F	F	F
	2	0.6811	76.8605	F	F	F	F
	3	0.6811	75.8814	F	T	F	F
THPYR_01_428	1	1.1342	77.9628	F	F	F	F
	2	1.1342	75.0077	F	F	F	F
	3	1.1342	74.469	F	F	F	F
THPYR_01_429	1	1.5104	84.4645	F	F	F	F
	2	1.5104	78.5376	F	F	F	F
	3	1.5104	76.6262	F	F	F	F
THPYR_02_002	1	0.8239	79.5672	F	F	F	F
	2	0.8239	79.5434	F	T	F	F
	3	0.8239	78.2545	F	T	F	F
THPYR_02_009	1	1.2882	83.9303	T	T	F	F
	2	1.2882	76.5226	T	T	F	F
	3	1.2882	76.5163	T	T	T	T
THPYR_02_037	1	1.9516	77.0234	T	T	F	F
	2	1.9516	74.6541	T	T	F	F
	3	1.9516	71.3076	F	F	F	F
THPYR_02_049	1	0.3883	72.8335	F	F	F	F
	2	0.3883	71.9031	F	F	F	F
	3	0.3883	70.4238	F	F	F	F
THPYR_02_060	1	0.4382	75.6479	T	T	F	F
	2	0.4382	67.9948	F	F	F	F
	3	0.4382	66.5818	F	F	F	F
THPYR_02_125	1	0.5369	73.5914	T	F	F	F
	2	0.5369	73.112	F	F	F	F
	3	0.5369	71.753	T	T	F	F
THPYR_02_148	1	1.1698	80.9437	T	T	T	T
	2	1.1698	75.2778	T	T	F	F
	3	1.1698	74.0386	T	T	T	T
THPYR_02_157	1	0.6642	79.6568	F	F	F	F
	2	0.6642	79.0238	F	F	F	F
	3	0.6642	78.0469	F	F	F	F
THPYR_02_187	1	0.5665	67.5294	F	F	F	F
	2	0.5665	65.2045	F	F	F	F
	3	0.5665	64.5031	T	T	F	F
THPYR_02_188	1	1.3583	68.79	F	F	F	F
	2	1.3583	67.0406	F	T	F	F
	3	1.3583	62.9982	F	F	F	F
THPYR_02_219	1	1.8005	73.7964	T	T	F	F
	2	1.8005	73.1006	T	T	F	F
	3	1.8005	71.791	F	F	F	F

THPYR_02_221	1	1.6661	79.2453	T	T	F	F
	2	1.6661	79.1724	F	F	F	F
	3	1.6661	78.9493	F	T	F	F
THPYR_02_226	1	1.7632	75.5561	T	T	F	F
	2	1.7632	74.9566	F	F	F	F
	3	1.7632	73.0107	F	F	F	F
THPYR_02_233	1	1.6406	78.052	T	T	F	F
	2	1.6406	76.0732	T	T	F	F
	3	1.6406	74.3074	T	T	F	F
THPYR_02_279	1	1.5563	81.4323	F	F	F	F
	2	1.5563	81.1065	F	F	F	F
	3	1.5563	76.6798	F	F	F	F
THPYR_02_316	1	0.4992	74.6633	F	F	F	F
	2	0.4992	72.8557	F	F	F	F
	3	0.4992	72.242	F	F	F	F
THPYR_02_329	1	1.842	79.5143	T	T	T	T
	2	1.842	76.3131	T	T	F	F
	3	1.842	74.3671	T	F	F	F
THPYR_02_342	1	1.4911	73.1766	T	T	F	F
	2	1.4911	68.2872	T	T	F	F
	3	1.4911	67.5229	F	F	F	F
THPYR_02_343	1	0.5391	80.966	T	F	F	F
	2	0.5391	74.0213	T	F	F	F
	3	0.5391	70.8745	F	F	F	F
THPYR_02_349	1	1.6237	81.272	F	F	F	F
	2	1.6237	77.4125	T	T	F	F
	3	1.6237	68.5627	F	F	F	F
THPYR_02_351	1	0.7554	75.386	T	F	F	F
	2	0.7554	73.6292	F	F	F	F
	3	0.7554	72.7527	F	F	F	F
THPYR_02_355	1	1.4371	79.0611	T	T	F	F
	2	1.4371	76.5805	T	F	F	F
	3	1.4371	73.4575	F	F	F	F
THPYR_02_371	1	1.6248	77.9027	F	F	F	F
	2	1.6248	75.1489	T	T	F	F
	3	1.6248	74.6641	F	F	F	F
THPYR_02_389	1	0.7659	73.7695	T	T	F	F
	2	0.7659	73.3881	F	F	F	F
	3	0.7659	73.0089	T	T	F	F
THPYR_02_400	1	1.9629	76.1183	T	T	F	F
	2	1.9629	72.322	F	F	F	F
	3	1.9629	71.8657	F	T	F	F
THPYR_02_407	1	0.7954	78.236	T	T	T	T
	2	0.7954	74.8147	F	F	F	F
	3	0.7954	74.4573	F	F	F	F

THPYR_02_420	1	1.3684	82.4989	T	T	T	T
	2	1.3684	81.8756	F	F	F	F
	3	1.3684	76.6538	F	T	F	F
THPYR_02_426	1	1.3737	75.8446	T	T	T	T
	2	1.3737	75.3083	T	F	F	F
	3	1.3737	73.3763	T	F	F	F
THPYR_03_002	1	0.6013	81.3894	F	T	F	F
	2	0.6013	77.8722	T	T	F	F
	3	0.6013	77.2556	T	T	F	F
THPYR_03_009	1	1.3384	83.4549	F	F	F	F
	2	1.3384	77.7175	T	F	F	F
	3	1.3384	74.6241	F	F	F	F
THPYR_03_029	1	1.0563	74.6837	T	F	F	F
	2	1.0563	72.7919	F	F	F	F
	3	1.0563	70.5057	T	T	F	F
THPYR_03_034	1	0.5625	72.2832	T	T	T	T
	2	0.5625	63.3042	T	T	F	F
	3	0.5625	63.0262	T	T	F	F
THPYR_03_049	1	0.1932	75.7362	F	F	F	F
	2	0.1932	75.1797	F	F	F	F
	3	0.1932	71.742	F	F	F	F
THPYR_03_050	1	1.5696	83.3144	F	F	F	F
	2	1.5696	80.4697	F	F	F	F
	3	1.5696	78.2697	F	F	F	F
THPYR_03_051	1	1.9449	77.6405	F	F	F	F
	2	1.9449	75.7921	F	F	F	F
	3	1.9449	73.7906	F	F	F	F
THPYR_03_060	1	0.3237	76.4505	T	T	F	F
	2	0.3237	75.9043	T	T	F	F
	3	0.3237	74.9417	F	F	F	F
THPYR_03_072	1	1.0259	76.3694	F	F	F	F
	2	1.0259	74.3233	T	T	T	T
	3	1.0259	74.2957	F	F	F	F
THPYR_03_076	1	1.9191	76.8436	T	T	T	T
	2	1.9191	76.2503	T	T	F	F
	3	1.9191	73.911	F	F	F	F
THPYR_03_081	1	0.9929	83.1758	T	T	F	F
	2	0.9929	81.2821	T	T	T	T
	3	0.9929	80.6083	T	T	F	F
THPYR_03_082	1	0.5311	78.0101	T	T	F	F
	2	0.5311	77.0148	T	T	T	T
	3	0.5311	76.1417	F	F	F	F
THPYR_03_083	1	0.83	78.9304	F	T	F	F
	2	0.83	78.2023	F	F	F	F
	3	0.83	76.8107	F	F	F	F

THPYR_03_114	1	1.8446	81.1823	F	F	F	F
	2	1.8446	77.0598	T	T	T	T
	3	1.8446	75.6411	T	T	F	F
THPYR_03_125	1	0.4562	81.3468	T	T	T	T
	2	0.4562	75.4529	F	F	F	F
	3	0.4562	70.0998	T	T	F	F
THPYR_03_148	1	0.3077	79.0654	T	T	T	T
	2	0.3077	74.6543	T	T	F	F
	3	0.3077	71.9494	F	F	F	F
THPYR_03_156	1	1.8552	82.5738	F	T	F	F
	2	1.8552	81.9672	F	T	F	F
	3	1.8552	81.2587	F	F	F	F
THPYR_03_157	1	0.4815	87.4386	T	T	F	F
	2	0.4815	81.1653	F	F	F	F
	3	0.4815	77.8436	F	F	F	F
THPYR_03_178	1	0.7602	12.1813	T	T	T	T
	2	0.7602	9.3341	F	F	F	F
	3	0.7602	6.0332	F	F	F	F
THPYR_03_185	1	1.9329	75.2492	T	F	F	F
	2	1.9329	75.2327	T	T	T	T
	3	1.9329	73.8428	F	F	F	F
THPYR_03_187	1	0.2174	73.5382	F	F	F	F
	2	0.2174	72.1767	F	F	F	F
	3	0.2174	67.5387	F	F	F	F
THPYR_03_221	1	1.0799	75.8015	F	F	F	F
	2	1.0799	75.4208	F	F	F	F
	3	1.0799	73.7291	F	F	F	F
THPYR_03_222	1	1.9783	78.4243	T	T	T	T
	2	1.9783	77.7484	T	T	F	F
	3	1.9783	76.6885	T	T	F	F
THPYR_03_223	1	1.5314	78.6585	F	F	F	F
	2	1.5314	77.4098	F	F	F	F
	3	1.5314	75.1481	F	T	F	F
THPYR_03_226	1	1.0787	69.667	F	F	F	F
	2	1.0787	69.5265	F	F	F	F
	3	1.0787	67.6035	F	F	F	F
THPYR_03_227	1	1.6908	74.5689	F	F	F	F
	2	1.6908	73.999	F	F	F	F
	3	1.6908	71.9325	T	T	F	F
THPYR_03_233	1	1.4666	77.5145	F	F	F	F
	2	1.4666	76.0381	T	T	F	F
	3	1.4666	74.2795	F	F	F	F
THPYR_03_276	1	1.5413	68.2573	F	F	F	F
	2	1.5413	66.9737	T	F	F	F
	3	1.5413	65.8316	T	F	F	F

THPYR_03_316	1	0.4337	77.9082	F	F	F	F
	2	0.4337	76.0426	T	F	F	F
	3	0.4337	75.1427	F	F	F	F
THPYR_03_329	1	0.7251	79.7225	T	T	F	F
	2	0.7251	74.5913	F	F	F	F
	3	0.7251	73.7965	T	T	T	T
THPYR_03_342	1	0.979	76.2818	F	F	F	F
	2	0.979	76.1675	F	F	F	F
	3	0.979	71.9256	F	F	F	F
THPYR_03_343	1	1.4723	80.6913	F	F	F	F
	2	1.4723	72.5497	F	F	F	F
	3	1.4723	72.5371	F	T	F	F
THPYR_03_351	1	1.8932	80.0843	F	F	F	F
	2	1.8932	75.1427	F	T	F	F
	3	1.8932	73.4395	F	F	F	F
THPYR_03_369	1	1.7628	94.0432	F	T	F	F
	2	1.7628	93.5414	F	T	F	F
	3	1.7628	87.7308	F	T	F	F
THPYR_03_372	1	1.9584	74.3375	F	F	F	F
	2	1.9584	73.5765	F	F	F	F
	3	1.9584	71.8565	F	F	F	F
THPYR_03_389	1	0.5912	71.1284	F	F	F	F
	2	0.5912	69.4316	F	F	F	F
	3	0.5912	68.3149	F	F	F	F
THPYR_03_394	1	1.406	80.287	T	T	T	T
	2	1.406	78.447	T	T	F	F
	3	1.406	74.581	F	F	F	F
THPYR_03_407	1	0.756	82.095	T	F	F	F
	2	0.756	76.3312	T	T	T	T
	3	0.756	76.1734	F	T	F	F
THPYR_03_420	1	1.6155	79.9662	T	T	T	T
	2	1.6155	78.1006	F	F	F	F
	3	1.6155	76.762	T	F	F	F
THPYR_03_426	1	1.3912	75.5918	T	F	F	F
	2	1.3912	74.0851	T	F	F	F
	3	1.3912	71.6163	T	T	T	T
THPYR_04_001	1	1.0877	79.5749	F	F	F	F
	2	1.0877	78.8055	F	F	F	F
	3	1.0877	77.7438	F	F	F	F
THPYR_04_002	1	0.1408	78.2666	F	F	F	F
	2	0.1408	77.3455	F	F	F	F
	3	0.1408	77.094	F	T	F	F
THPYR_04_009	1	0.3174	80.957	T	T	F	F
	2	0.3174	78.2537	T	T	T	T
	3	0.3174	75.0032	F	T	F	F

THPYR_04_015	1	1.2156	75.4244	F	F	F	F
	2	1.2156	72.5735	F	F	F	F
	3	1.2156	68.2632	F	F	F	F
THPYR_04_016	1	0.4367	78.2755	F	F	F	F
	2	0.4367	76.5158	F	F	F	F
	3	0.4367	74.9454	T	T	F	F
THPYR_04_017	1	0.7434	79.0714	T	T	F	F
	2	0.7434	71.9651	T	F	F	F
	3	0.7434	65.8948	T	T	F	F
THPYR_04_037	1	1.2615	77.6123	T	T	F	F
	2	1.2615	73.806	F	F	F	F
	3	1.2615	71.9677	F	F	F	F
THPYR_04_038	1	1.8429	78.6022	T	T	F	F
	2	1.8429	73.446	F	F	F	F
	3	1.8429	73.0689	T	T	F	F
THPYR_04_039	1	0.2929	82.7295	T	F	F	F
	2	0.2929	72.6968	F	F	F	F
	3	0.2929	72.1768	T	T	T	T
THPYR_04_047	1	0.8523	87.4071	F	F	F	F
	2	0.8523	83.3606	F	T	F	F
	3	0.8523	80.2194	F	T	F	F
THPYR_04_048	1	0.705	78.7307	F	F	F	F
	2	0.705	78.0898	F	F	F	F
	3	0.705	77.6253	T	F	F	F
THPYR_04_052	1	0.4089	81.1836	F	F	F	F
	2	0.4089	80.9148	F	F	F	F
	3	0.4089	77.5223	T	F	F	F
THPYR_04_059	1	1.3176	67.7549	F	F	F	F
	2	1.3176	67.6938	F	F	F	F
	3	1.3176	65.1886	T	T	F	F
THPYR_04_060	1	0.0061	75.4928	T	T	F	F
	2	0.0061	72.448	F	F	F	F
	3	0.0061	71.2053	F	F	F	F
THPYR_04_072	1	0.6965	76.0591	F	F	F	F
	2	0.6965	75.7996	F	F	F	F
	3	0.6965	75.7905	F	F	F	F
THPYR_04_076	1	1.1148	75.4662	F	F	F	F
	2	1.1148	72.9798	F	T	F	F
	3	1.1148	72.6945	F	F	F	F
THPYR_04_077	1	1.5535	76.2933	F	T	F	F
	2	1.5535	76.2421	F	F	F	F
	3	1.5535	75.1577	F	T	F	F
THPYR_04_081	1	0.508	83.024	T	T	F	F
	2	0.508	79.2196	F	T	F	F
	3	0.508	75.7345	F	F	F	F

THPYR_04_082	1	0.263	79.498	T	T	T	T
	2	0.263	78.3577	T	T	F	F
	3	0.263	74.7163	F	F	F	F
THPYR_04_083	1	0.3479	78.6528	F	T	F	F
	2	0.3479	77.0808	T	T	T	T
	3	0.3479	76.8892	F	F	F	F
THPYR_04_106	1	0.2966	76.4972	T	T	F	F
	2	0.2966	76.0004	T	F	F	F
	3	0.2966	74.8113	F	F	F	F
THPYR_04_114	1	1.1374	79.2297	T	T	F	F
	2	1.1374	78.9032	F	F	F	F
	3	1.1374	74.8563	T	T	F	F
THPYR_04_144	1	1.1593	77.6974	F	T	F	F
	2	1.1593	74.2774	F	F	F	F
	3	1.1593	73.5747	F	F	F	F
THPYR_04_146	1	1.7571	73.7064	F	F	F	F
	2	1.7571	72.7597	F	F	F	F
	3	1.7571	72.7589	F	T	F	F
THPYR_04_147	1	1.8906	75.1633	F	F	F	F
	2	1.8906	72.5711	F	T	F	F
	3	1.8906	72.5163	F	F	F	F
THPYR_04_150	1	0.8381	83.3692	F	F	F	F
	2	0.8381	80.8273	F	F	F	F
	3	0.8381	78.7509	F	F	F	F
THPYR_04_152	1	0.2439	78.2529	F	F	F	F
	2	0.2439	76.1118	F	F	F	F
	3	0.2439	75.7697	F	F	F	F
THPYR_04_156	1	0.3486	85.4369	F	T	F	F
	2	0.3486	84.2267	F	T	F	F
	3	0.3486	82.529	F	F	F	F
THPYR_04_185	1	0.8188	79.2577	F	F	F	F
	2	0.8188	78.4641	T	T	T	T
	3	0.8188	76.9179	T	T	F	F
THPYR_04_205	1	1.9055	77.834	F	F	F	F
	2	1.9055	76.7869	T	T	F	F
	3	1.9055	75.8008	F	F	F	F
THPYR_04_217	1	0.6525	79.5468	F	F	F	F
	2	0.6525	72.654	F	F	F	F
	3	0.6525	72.1528	F	F	F	F
THPYR_04_218	1	1.6792	70.6141	F	F	F	F
	2	1.6792	69.3801	F	T	F	F
	3	1.6792	69.3674	F	T	F	F
THPYR_04_221	1	0.2332	84.2685	F	F	F	F
	2	0.2332	76.8213	F	T	T	F
	3	0.2332	75.9108	F	F	F	F

THPYR_04_222	1	1.0755	77.1448	F	F	F	F
	2	1.0755	72.7718	F	F	F	F
	3	1.0755	71.6036	F	T	F	F
THPYR_04_223	1	0.808	75.6891	F	T	F	F
	2	0.808	75.0771	T	T	F	F
	3	0.808	74.2045	F	F	F	F
THPYR_04_226	1	0.1401	73.6335	T	F	F	F
	2	0.1401	70.25	F	F	F	F
	3	0.1401	67.9614	F	F	F	F
THPYR_04_227	1	0.1621	71.7535	F	T	F	F
	2	0.1621	70.9808	F	F	F	F
	3	0.1621	66.4965	F	F	F	F
THPYR_04_233	1	0.1896	84.4885	F	F	F	F
	2	0.1896	75.3099	T	T	F	F
	3	0.1896	74.8165	F	F	F	F
THPYR_04_234	1	1.1623	72.9188	F	F	F	F
	2	1.1623	72.0703	T	T	F	F
	3	1.1623	71.6601	T	T	T	T
THPYR_04_237	1	0.4065	85.0031	T	T	F	F
	2	0.4065	75.5347	F	F	F	F
	3	0.4065	73.6128	F	F	F	F
THPYR_04_241	1	0.8285	78.6301	F	F	F	F
	2	0.8285	74.0941	T	T	F	F
	3	0.8285	71.321	F	F	F	F
THPYR_04_251	1	0.2966	77.5595	F	F	F	F
	2	0.2966	74.9665	F	F	F	F
	3	0.2966	73.5676	F	F	F	F
THPYR_04_252	1	0.4094	76.9538	F	F	F	F
	2	0.4094	73.7178	F	F	F	F
	3	0.4094	71.2557	F	F	F	F
THPYR_04_253	1	1.3999	75.9723	F	T	F	F
	2	1.3999	74.3157	F	T	F	F
	3	1.3999	73.8311	F	F	F	F
THPYR_04_267	1	1.3552	77.4281	T	T	T	T
	2	1.3552	76.4133	F	F	F	F
	3	1.3552	75.9221	F	T	T	F
THPYR_04_274	1	1.113	77.7233	F	F	F	F
	2	1.113	75.903	F	T	F	F
	3	1.113	73.6986	F	T	F	F
THPYR_04_275	1	1.6665	72.8528	F	F	F	F
	2	1.6665	71.4709	T	T	F	F
	3	1.6665	70.5993	T	T	F	F
THPYR_04_276	1	0.4134	69.299	F	F	F	F
	2	0.4134	64.9951	F	F	F	F
	3	0.4134	63.3083	F	F	F	F

THPYR_04_278	1	0.2612	74.3221	F	T	F	F
	2	0.2612	73.9421	F	F	F	F
	3	0.2612	71.3042	F	T	F	F
THPYR_04_279	1	0.4064	77.3794	F	F	F	F
	2	0.4064	75.7811	F	F	F	F
	3	0.4064	73.1982	F	F	F	F
THPYR_04_294	1	1.0271	73.3339	F	F	F	F
	2	1.0271	72.8642	F	F	F	F
	3	1.0271	71.1782	T	F	F	F
THPYR_04_297	1	1.158	76.6556	F	T	F	F
	2	1.158	75.4548	F	F	F	F
	3	1.158	73.5936	F	F	F	F
THPYR_04_304	1	0.6372	73.3143	F	F	F	F
	2	0.6372	73.294	F	F	F	F
	3	0.6372	72.6255	T	T	F	F
THPYR_04_310	1	0.3311	74.5498	T	T	F	F
	2	0.3311	71.8908	F	T	F	F
	3	0.3311	70.3426	F	F	F	F
THPYR_04_325	1	1.2612	72.0509	F	F	F	F
	2	1.2612	72.0093	F	F	F	F
	3	1.2612	71.8173	F	T	F	F
THPYR_04_329	1	0.349	79.0167	T	T	F	F
	2	0.349	78.9329	T	T	F	F
	3	0.349	77.5484	T	T	F	F
THPYR_04_331	1	1.7474	78.8846	T	T	F	F
	2	1.7474	72.5037	T	T	F	F
	3	1.7474	71.453	T	T	F	F
THPYR_04_342	1	0.2726	72.0433	F	F	F	F
	2	0.2726	67.5324	T	T	F	F
	3	0.2726	66.0973	F	F	F	F
THPYR_04_343	1	0.2147	75.7596	F	F	F	F
	2	0.2147	71.2181	F	T	F	F
	3	0.2147	69.9807	F	T	F	F
THPYR_04_344	1	1.5177	72.319	F	F	F	F
	2	1.5177	71.7399	T	T	F	F
	3	1.5177	69.0018	F	F	F	F
THPYR_04_346	1	1.8072	71.3485	T	T	T	T
	2	1.8072	69.9574	T	T	F	F
	3	1.8072	68.6446	F	T	F	F
THPYR_04_349	1	0.4256	75.6472	F	F	F	F
	2	0.4256	70.9338	F	T	F	F
	3	0.4256	70.6481	F	F	F	F
THPYR_04_351	1	0.2738	79.9023	T	F	F	F
	2	0.2738	74.0935	F	F	F	F
	3	0.2738	73.8373	F	T	F	F

THPYR_04_355	1	0.1931	82.8178	T	F	F	F
	2	0.1931	82.3217	T	F	F	F
	3	0.1931	75.4853	F	F	F	F
THPYR_04_365	1	0.6769	84.6055	F	F	F	F
	2	0.6769	84.4772	T	T	T	T
	3	0.6769	76.1296	T	F	F	F
THPYR_04_371	1	0.0938	79.1176	F	F	F	F
	2	0.0938	78.9446	T	T	F	F
	3	0.0938	78.6657	F	F	F	F
THPYR_04_372	1	1.1628	73.1542	T	T	F	F
	2	1.1628	71.6228	F	F	F	F
	3	1.1628	70.909	F	F	F	F
THPYR_04_373	1	1.3164	79.487	T	T	F	F
	2	1.3164	73.3714	F	F	F	F
	3	1.3164	70.8211	F	T	F	F
THPYR_04_377	1	1.0967	76.4429	T	T	F	F
	2	1.0967	76.3806	T	T	F	F
	3	1.0967	75.8611	F	F	F	F
THPYR_04_378	1	1.2537	78.4398	F	F	F	F
	2	1.2537	74.5096	F	F	F	F
	3	1.2537	74.3911	F	F	F	F
THPYR_04_385	1	1.5191	75.6983	T	F	F	F
	2	1.5191	75.2434	T	T	T	T
	3	1.5191	73.2777	F	F	F	F
THPYR_04_386	1	0.7762	76.4302	F	F	F	F
	2	0.7762	76.0261	T	F	F	F
	3	0.7762	74.0018	T	F	F	F
THPYR_04_388	1	1.3449	77.7523	F	F	F	F
	2	1.3449	76.3702	T	T	F	F
	3	1.3449	76.0616	F	F	F	F
THPYR_04_389	1	0.2639	71.1854	F	F	F	F
	2	0.2639	70.1466	F	F	F	F
	3	0.2639	65.9666	F	F	F	F
THPYR_04_394	1	0.2165	82.4508	T	F	F	F
	2	0.2165	81.848	T	T	T	T
	3	0.2165	81.775	T	T	T	T
THPYR_04_397	1	0.8449	82.495	F	F	F	F
	2	0.8449	76.4361	T	F	F	F
	3	0.8449	74.2088	F	F	F	F
THPYR_04_398	1	1.6218	78.8252	F	F	F	F
	2	1.6218	74.8588	F	F	F	F
	3	1.6218	73.3606	F	T	F	F
THPYR_04_399	1	0.6009	83.1832	F	F	F	F
	2	0.6009	76.5286	T	T	F	F
	3	0.6009	76.1152	F	F	F	F

THPYR_04_400	1	0.4226	80.7076	F	F	F	F
	2	0.4226	73.9989	F	T	F	F
	3	0.4226	72.6903	F	F	F	F
THPYR_04_402	1	0.8796	78.2574	F	F	F	F
	2	0.8796	77.1798	F	F	F	F
	3	0.8796	76.969	F	F	F	F
THPYR_04_403	1	0.2495	75.0835	F	T	F	F
	2	0.2495	73.5589	F	F	F	F
	3	0.2495	69.2619	F	F	F	F
THPYR_04_407	1	0.1234	84.5112	F	F	F	F
	2	0.1234	74.832	F	F	F	F
	3	0.1234	73.0573	F	F	F	F
THPYR_04_411	1	0.9596	86.2228	F	F	F	F
	2	0.9596	81.7217	T	F	F	F
	3	0.9596	74.6394	F	T	F	F
THPYR_04_412	1	0.8498	82.3946	T	T	F	F
	2	0.8498	81.4019	T	T	F	F
	3	0.8498	77.0582	T	T	F	F
THPYR_04_413	1	0.9253	74.4345	T	T	F	F
	2	0.9253	73.3317	T	T	F	F
	3	0.9253	70.4621	F	F	F	F
THPYR_04_416	1	1.4962	78.6146	F	F	F	F
	2	1.4962	77.9956	T	T	F	F
	3	1.4962	73.6897	F	F	F	F
THPYR_04_417	1	1.2604	82.7263	F	F	F	F
	2	1.2604	79.4402	T	T	F	F
	3	1.2604	76.5176	T	T	F	F
THPYR_04_418	1	0.7271	75.3057	T	F	F	F
	2	0.7271	74.2457	F	T	F	F
	3	0.7271	72.6905	T	T	F	F
THPYR_04_419	1	0.9587	71.9545	F	F	F	F
	2	0.9587	70.2095	F	T	F	F
	3	0.9587	69.4978	F	T	F	F
THPYR_04_420	1	0.3683	77.4925	T	T	F	F
	2	0.3683	77.2691	T	T	F	F
	3	0.3683	75.5457	F	T	F	F
THPYR_04_426	1	0.4376	78.354	F	F	F	F
	2	0.4376	75.1519	F	F	F	F
	3	0.4376	74.8059	T	T	F	F
THPYR_04_427	1	0.6003	83.3308	F	F	F	F
	2	0.6003	81.5871	F	F	F	F
	3	0.6003	72.1381	F	T	F	F
THPYR_04_428	1	0.5416	79.9576	F	F	F	F
	2	0.5416	78.1764	T	T	F	F
	3	0.5416	77.309	F	F	F	F

THPYR_04_429	1	0.9694	78.4343	T	F	F	F
	2	0.9694	77.6132	F	T	F	F
	3	0.9694	76.7487	F	F	F	F
THPYR_04_430	1	0.8722	77.1953	T	T	F	F
	2	0.8722	76.5604	F	T	F	F
	3	0.8722	75.8225	T	T	F	F
THPYR_05_001	1	1.2776	80.8391	F	F	F	F
	2	1.2776	78.8934	F	T	F	F
	3	1.2776	77.8866	F	F	F	F
THPYR_05_002	1	0.1285	78.8096	F	T	F	F
	2	0.1285	77.8375	T	F	F	F
	3	0.1285	77.3153	F	T	F	F
THPYR_05_009	1	0.2442	81.5795	T	T	F	F
	2	0.2442	79.172	F	F	F	F
	3	0.2442	77.6619	F	F	F	F
THPYR_05_015	1	1.1923	77.5578	F	F	F	F
	2	1.1923	77.1988	T	F	F	F
	3	1.1923	73.459	F	F	F	F
THPYR_05_016	1	0.5596	72.7781	T	T	F	F
	2	0.5596	72.6164	T	T	F	F
	3	0.5596	72.2456	F	F	F	F
THPYR_05_017	1	0.842	69.9945	F	F	F	F
	2	0.842	66.3081	T	T	F	F
	3	0.842	65.3023	F	F	F	F
THPYR_05_037	1	0.7495	76.0712	T	F	F	F
	2	0.7495	74.0459	T	F	F	F
	3	0.7495	73.0501	F	F	F	F
THPYR_05_038	1	1.1122	78.2319	F	F	F	F
	2	1.1122	77.9084	F	F	F	F
	3	1.1122	73.7113	F	F	F	F
THPYR_05_039	1	0.2336	79.2143	T	T	T	T
	2	0.2336	77.694	T	T	F	F
	3	0.2336	73.8811	T	T	F	F
THPYR_05_041	1	1.5438	74.1728	F	F	F	F
	2	1.5438	73.9534	F	F	F	F
	3	1.5438	73.2768	F	F	F	F
THPYR_05_047	1	1.3709	81.7646	F	F	F	F
	2	1.3709	78.1669	F	F	F	F
	3	1.3709	78.1058	F	F	F	F
THPYR_05_048	1	0.9605	82.6995	F	F	F	F
	2	0.9605	81.7987	F	F	F	F
	3	0.9605	79.1867	F	F	F	F
THPYR_05_052	1	0.6446	80.8772	F	F	F	F
	2	0.6446	75.6847	F	F	F	F
	3	0.6446	75.1205	T	T	F	F

THPYR_05_059	1	1.3568	65.077	T	T	F	F
	2	1.3568	62.638	T	T	F	F
	3	1.3568	62.5114	T	F	F	F
THPYR_05_060	1	0.0061	71.9003	T	T	F	F
	2	0.0061	71.0153	F	F	F	F
	3	0.0061	70.5191	F	F	F	F
THPYR_05_072	1	0.6961	76.3394	F	F	F	F
	2	0.6961	75.3457	F	F	F	F
	3	0.6961	74.9585	F	F	F	F
THPYR_05_076	1	1.1598	78.8851	T	T	T	T
	2	1.1598	76.5361	F	F	F	F
	3	1.1598	76.0737	T	T	F	F
THPYR_05_077	1	1.191	77.8843	T	T	T	T
	2	1.191	73.4966	F	F	F	F
	3	1.191	72.4218	F	F	F	F
THPYR_05_081	1	0.544	81.2477	T	T	T	T
	2	0.544	76.7901	T	T	F	F
	3	0.544	75.458	F	F	F	F
THPYR_05_082	1	0.2353	78.296	T	T	F	F
	2	0.2353	77.5948	T	T	T	T
	3	0.2353	77.5527	F	T	F	F
THPYR_05_083	1	0.3326	78.9061	T	T	F	F
	2	0.3326	77.4574	T	T	F	F
	3	0.3326	77.3778	F	F	F	F
THPYR_05_106	1	0.3126	78.9739	F	F	F	F
	2	0.3126	77.9898	T	T	T	T
	3	0.3126	75.2713	F	F	F	F
THPYR_05_114	1	1.1918	79.0067	F	F	F	F
	2	1.1918	78.0707	T	T	F	F
	3	1.1918	77.4862	F	F	F	F
THPYR_05_144	1	1.0718	73.4777	F	F	F	F
	2	1.0718	73.0862	F	F	F	F
	3	1.0718	72.3557	F	F	F	F
THPYR_05_146	1	1.5585	76.8425	T	F	F	F
	2	1.5585	73.2652	F	F	F	F
	3	1.5585	72.3038	F	F	F	F
THPYR_05_150	1	0.8209	84.021	F	F	F	F
	2	0.8209	75.2557	F	F	F	F
	3	0.8209	73.7091	F	F	F	F
THPYR_05_152	1	0.3065	79.2876	F	F	F	F
	2	0.3065	75.908	F	F	F	F
	3	0.3065	74.3123	F	F	F	F
THPYR_05_156	1	0.3144	79.2015	F	T	F	F
	2	0.3144	78.3323	F	T	F	F
	3	0.3144	77.9779	T	T	F	F

THPYR_05_182	1	1.8488	80.9125	T	T	F	F
	2	1.8488	80.6224	T	T	F	F
	3	1.8488	75.3295	F	F	F	F
THPYR_05_185	1	0.9667	76.4761	T	T	T	T
	2	0.9667	75.4554	F	F	F	F
	3	0.9667	73.9869	F	T	F	F
THPYR_05_189	1	1.3113	79.4363	F	F	F	F
	2	1.3113	78.5774	F	F	F	F
	3	1.3113	77.3638	F	F	F	F
THPYR_05_214	1	1.7997	77.4803	F	F	F	F
	2	1.7997	72.1417	T	T	F	F
	3	1.7997	72.0437	T	T	F	F
THPYR_05_217	1	1.4672	72.9012	F	F	F	F
	2	1.4672	72.4952	F	F	F	F
	3	1.4672	69.0686	F	F	F	F
THPYR_05_218	1	1.6604	73.4273	F	F	F	F
	2	1.6604	72.8941	F	T	F	F
	3	1.6604	71.687	F	F	F	F
THPYR_05_220	1	1.1269	76.3059	T	T	F	F
	2	1.1269	74.3774	T	T	F	F
	3	1.1269	73.4309	T	T	F	F
THPYR_05_221	1	0.1204	82.108	F	F	F	F
	2	0.1204	77.3476	T	T	F	F
	3	0.1204	74.4965	F	F	F	F
THPYR_05_222	1	1.212	79.5338	T	T	T	T
	2	1.212	78.184	F	T	F	F
	3	1.212	76.4345	F	F	F	F
THPYR_05_223	1	0.973	75.5655	T	T	F	F
	2	0.973	75.0663	F	F	F	F
	3	0.973	73.9057	F	F	F	F
THPYR_05_226	1	0.1566	71.8295	F	T	F	F
	2	0.1566	70.3173	F	F	F	F
	3	0.1566	70.2392	F	F	F	F
THPYR_05_227	1	0.1832	72.7953	F	F	F	F
	2	0.1832	72.7859	T	T	F	F
	3	0.1832	69.4913	F	T	F	F
THPYR_05_233	1	0.2405	82.8426	F	F	F	F
	2	0.2405	78.9613	F	F	F	F
	3	0.2405	78.7736	T	T	F	F
THPYR_05_234	1	1.1569	72.52	F	T	F	F
	2	1.1569	71.9067	F	T	F	F
	3	1.1569	71.0692	T	F	F	F
THPYR_05_237	1	0.3624	80.0587	T	T	F	F
	2	0.3624	70.2142	F	F	F	F
	3	0.3624	69.1769	F	F	F	F

THPYR_05_241	1	1.075	74.6494	T	T	F	F
	2	1.075	73.981	F	F	F	F
	3	1.075	71.8906	T	T	F	F
THPYR_05_251	1	0.4172	75.0874	F	F	F	F
	2	0.4172	74.8271	T	T	F	F
	3	0.4172	72.1312	F	F	F	F
THPYR_05_252	1	0.4579	74.379	F	F	F	F
	2	0.4579	74.1965	T	T	F	F
	3	0.4579	73.3364	T	T	F	F
THPYR_05_253	1	1.5996	73.586	F	T	F	F
	2	1.5996	73.4518	F	F	F	F
	3	1.5996	73.1346	T	T	F	F
THPYR_05_267	1	1.129	79.4825	T	T	F	F
	2	1.129	75.3556	T	T	T	T
	3	1.129	74.9358	F	T	F	F
THPYR_05_274	1	1.6014	75.1012	F	F	F	F
	2	1.6014	73.715	F	T	F	F
	3	1.6014	72.1433	F	F	F	F
THPYR_05_276	1	0.2068	70.2433	F	F	F	F
	2	0.2068	70.0314	F	F	F	F
	3	0.2068	65.4803	F	F	F	F
THPYR_05_278	1	0.2782	75.2757	T	T	F	F
	2	0.2782	73.7167	F	F	F	F
	3	0.2782	70.7212	F	T	F	F
THPYR_05_279	1	0.3245	79.5676	T	T	F	F
	2	0.3245	72.3652	F	F	F	F
	3	0.3245	71.4276	F	F	F	F
THPYR_05_294	1	1.0641	78.6223	T	T	F	F
	2	1.0641	77.9448	F	F	F	F
	3	1.0641	77.5982	F	F	F	F
THPYR_05_297	1	1.1604	80.1506	F	F	F	F
	2	1.1604	75.8216	F	T	F	F
	3	1.1604	74.1899	F	T	F	F
THPYR_05_303	1	0.5246	76.9061	T	F	F	F
	2	0.5246	76.4512	F	F	F	F
	3	0.5246	76.2262	T	T	F	F
THPYR_05_304	1	0.455	80.7339	F	F	F	F
	2	0.455	75.7878	F	F	F	F
	3	0.455	73.2829	F	F	F	F
THPYR_05_310	1	0.3827	75.3697	T	T	F	F
	2	0.3827	73.8534	F	F	F	F
	3	0.3827	69.6143	F	F	F	F
THPYR_05_315	1	0.6249	76.8205	F	F	F	F
	2	0.6249	74.9918	F	F	F	F
	3	0.6249	73.7703	F	F	F	F

THPYR_05_325	1	1.2549	77.9504	T	T	T	T
	2	1.2549	75.6989	F	F	F	F
	3	1.2549	74.953	T	T	F	F
THPYR_05_329	1	0.5682	79.6781	T	T	F	F
	2	0.5682	74.0503	T	T	F	F
	3	0.5682	73.8104	T	T	T	T
THPYR_05_331	1	1.8471	77.4148	T	T	T	T
	2	1.8471	75.0677	F	F	F	F
	3	1.8471	73.0857	T	T	F	F
THPYR_05_341	1	1.4696	73.5347	F	F	F	F
	2	1.4696	70.4494	T	T	F	F
	3	1.4696	70.4007	F	F	F	F
THPYR_05_342	1	0.2938	74.2018	F	F	F	F
	2	0.2938	71.7758	T	T	F	F
	3	0.2938	71.5222	T	T	F	F
THPYR_05_343	1	0.2259	74.0343	F	F	F	F
	2	0.2259	67.7531	F	T	F	F
	3	0.2259	67.609	F	T	F	F
THPYR_05_344	1	1.6319	74.1171	F	F	F	F
	2	1.6319	64.7757	T	T	F	F
	3	1.6319	64.7636	T	F	F	F
THPYR_05_346	1	1.8958	70.6185	F	F	F	F
	2	1.8958	70.0461	T	T	F	F
	3	1.8958	69.1777	T	F	F	F
THPYR_05_347	1	1.4921	75.7489	T	T	F	F
	2	1.4921	69.0069	F	F	F	F
	3	1.4921	68.3085	F	F	F	F
THPYR_05_348	1	0.6498	78.5213	F	T	F	F
	2	0.6498	76.09	T	T	F	F
	3	0.6498	74.9428	F	F	F	F
THPYR_05_349	1	0.3464	79.581	T	F	F	F
	2	0.3464	69.2668	F	F	F	F
	3	0.3464	68.8626	T	T	F	F
THPYR_05_351	1	0.2686	76.099	F	F	F	F
	2	0.2686	75.2001	F	F	F	F
	3	0.2686	74.7632	F	F	F	F
THPYR_05_352	1	1.3173	76.9702	F	F	F	F
	2	1.3173	70.3874	F	F	F	F
	3	1.3173	70.2771	F	F	F	F
THPYR_05_355	1	0.183	78.7529	T	T	F	F
	2	0.183	75.9462	F	F	F	F
	3	0.183	75.5773	T	F	F	F
THPYR_05_365	1	0.8584	85.4696	F	F	F	F
	2	0.8584	80.9534	T	F	F	F
	3	0.8584	76.5016	F	F	F	F

THPYR_05_371	1	0.1083	82.0467	F	F	F	F
	2	0.1083	81.5847	T	T	F	F
	3	0.1083	76.9752	T	T	F	F
THPYR_05_372	1	0.973	79.6277	F	F	F	F
	2	0.973	74.9421	F	F	F	F
	3	0.973	74.0815	F	F	F	F
THPYR_05_373	1	1.4191	75.2683	F	F	F	F
	2	1.4191	73.655	F	F	F	F
	3	1.4191	73.4239	T	T	F	F
THPYR_05_377	1	1.3222	78.0291	T	T	F	F
	2	1.3222	76.2156	T	T	F	F
	3	1.3222	74.6944	T	T	F	F
THPYR_05_378	1	1.4488	71.5194	F	F	F	F
	2	1.4488	71.4459	F	F	F	F
	3	1.4488	69.5232	F	F	F	F
THPYR_05_385	1	1.2951	79.5459	F	F	F	F
	2	1.2951	74.8543	F	F	F	F
	3	1.2951	73.6078	T	T	F	F
THPYR_05_386	1	0.6431	79.6775	T	T	F	F
	2	0.6431	77.5288	T	T	T	T
	3	0.6431	77.1047	T	T	F	F
THPYR_05_388	1	1.3268	74.7919	F	F	F	F
	2	1.3268	74.6509	F	F	F	F
	3	1.3268	74.2573	F	F	F	F
THPYR_05_389	1	0.207	87.2382	F	F	F	F
	2	0.207	74.6971	F	F	F	F
	3	0.207	72.4695	T	T	F	F
THPYR_05_394	1	0.1882	80.4086	T	T	T	T
	2	0.1882	77.5426	T	T	T	T
	3	0.1882	75.5003	F	F	F	F
THPYR_05_397	1	0.8091	78.685	F	F	F	F
	2	0.8091	77.6337	T	T	F	F
	3	0.8091	77.4777	T	T	T	T
THPYR_05_398	1	1.6203	82.7471	F	F	F	F
	2	1.6203	81.0041	F	F	F	F
	3	1.6203	75.2555	T	T	F	F
THPYR_05_399	1	0.6053	78.9833	F	F	F	F
	2	0.6053	76.8382	T	T	T	T
	3	0.6053	75.4182	T	T	F	F
THPYR_05_400	1	0.4708	78.8969	T	T	F	F
	2	0.4708	75.467	T	T	F	F
	3	0.4708	73.0032	T	T	F	F
THPYR_05_402	1	0.7178	85.405	T	T	F	F
	2	0.7178	84.4815	T	T	F	F
	3	0.7178	83.3503	T	T	F	F

THPYR_05_403	1	0.3065	80.6677	F	F	F	F
	2	0.3065	79.4643	F	F	F	F
	3	0.3065	78.9467	F	F	F	F
THPYR_05_407	1	0.1565	77.058	T	T	F	F
	2	0.1565	75.5108	F	T	F	F
	3	0.1565	74.0487	F	T	F	F
THPYR_05_411	1	0.5238	79.6561	T	F	F	F
	2	0.5238	78.6306	F	F	F	F
	3	0.5238	72.2895	F	F	F	F
THPYR_05_412	1	1.6478	80.9098	T	T	F	F
	2	1.6478	80.57	T	T	F	F
	3	1.6478	79.9118	T	T	T	T
THPYR_05_413	1	1.3155	73.0433	F	F	F	F
	2	1.3155	72.8305	T	T	F	F
	3	1.3155	69.8109	T	F	F	F
THPYR_05_415	1	1.5129	82.2707	T	F	F	F
	2	1.5129	79.2013	T	T	F	F
	3	1.5129	77.4354	T	T	F	F
THPYR_05_416	1	0.9815	80.7655	F	F	F	F
	2	0.9815	78.3474	F	F	F	F
	3	0.9815	75.5956	T	T	F	F
THPYR_05_417	1	0.7506	79.1823	F	F	F	F
	2	0.7506	78.3671	T	T	F	F
	3	0.7506	77.1497	T	T	F	F
THPYR_05_418	1	0.5708	76.5338	T	T	F	F
	2	0.5708	75.7353	F	T	F	F
	3	0.5708	75.0856	F	F	F	F
THPYR_05_419	1	0.9784	81.6183	F	F	F	F
	2	0.9784	81.0298	F	F	F	F
	3	0.9784	77.3851	F	F	F	F
THPYR_05_420	1	0.2897	78.7862	T	T	F	F
	2	0.2897	76.2808	F	F	F	F
	3	0.2897	75.2151	F	T	F	F
THPYR_05_426	1	0.8829	77.745	F	F	F	F
	2	0.8829	76.7551	F	F	F	F
	3	0.8829	73.715	F	F	F	F
THPYR_05_427	1	0.5438	82.638	F	F	F	F
	2	0.5438	77.5745	F	F	F	F
	3	0.5438	72.6394	F	T	F	F
THPYR_05_428	1	0.4644	81.0327	F	F	F	F
	2	0.4644	78.2716	T	T	F	F
	3	0.4644	73.9437	F	F	F	F
THPYR_05_429	1	1.0106	77.2575	F	F	F	F
	2	1.0106	77.0039	F	F	F	F
	3	1.0106	75.9736	F	F	F	F

THPYR_05_430	1	0.9632	82.4928	F	F	F	F
	2	0.9632	79.5205	F	F	F	F
	3	0.9632	78.5256	T	T	T	T
THPYR_06_001	1	1.3474	79.9018	T	T	F	F
	2	1.3474	77.5169	T	T	F	F
	3	1.3474	77.255	T	T	T	T
THPYR_06_002	1	0.3479	79.3285	T	T	F	F
	2	0.3479	79.2681	T	T	F	F
	3	0.3479	78.8691	T	T	F	F
THPYR_06_009	1	0.2782	81.3662	T	T	F	F
	2	0.2782	79.588	T	T	F	F
	3	0.2782	79.0331	T	T	T	T
THPYR_06_016	1	0.3479	78.2038	F	F	F	F
	2	0.3479	75.0753	F	F	F	F
	3	0.3479	74.3186	T	T	F	F
THPYR_06_017	1	0.8054	82.2024	F	F	F	F
	2	0.8054	72.9437	T	T	F	F
	3	0.8054	70.8592	T	T	T	T
THPYR_06_037	1	0.7898	80.8054	F	F	F	F
	2	0.7898	73.6437	T	T	F	F
	3	0.7898	72.457	F	F	F	F
THPYR_06_038	1	1.2128	81.4068	F	F	F	F
	2	1.2128	79.3707	T	T	F	F
	3	1.2128	78.7369	T	T	F	F
THPYR_06_039	1	0.2153	79.8118	F	F	F	F
	2	0.2153	76.1906	T	F	F	F
	3	0.2153	68.7607	F	T	F	F
THPYR_06_041	1	1.6788	74.3441	F	F	F	F
	2	1.6788	74.3384	F	F	F	F
	3	1.6788	72.6731	F	F	F	F
THPYR_06_047	1	1.5838	81.1202	F	T	F	F
	2	1.5838	80.0157	F	T	F	F
	3	1.5838	79.8086	T	T	F	F
THPYR_06_048	1	0.8162	86.2791	F	F	F	F
	2	0.8162	84.3411	T	T	T	T
	3	0.8162	81.0147	F	F	F	F
THPYR_06_052	1	1.328	82.0965	F	F	F	F
	2	1.328	81.1373	T	T	F	F
	3	1.328	79.2426	T	T	F	F
THPYR_06_059	1	1.2921	67.3046	T	T	F	F
	2	1.2921	65.2269	T	T	F	F
	3	1.2921	64.7999	T	T	F	F
THPYR_06_060	1	0.0052	77.9789	T	T	F	F
	2	0.0052	77.8064	T	T	F	F
	3	0.0052	74.9321	T	T	F	F

THPYR_06_061	1	0.9382	79.5394	T	T	F	F
	2	0.9382	72.5765	T	T	F	F
	3	0.9382	65.9011	F	F	F	F
THPYR_06_072	1	1.5321	79.8869	F	F	F	F
	2	1.5321	77.9644	T	T	F	F
	3	1.5321	75.7413	T	T	T	T
THPYR_06_076	1	1.1625	77.8314	T	T	F	F
	2	1.1625	76.9859	T	T	T	T
	3	1.1625	75.528	F	F	F	F
THPYR_06_077	1	1.8026	79.5395	T	T	T	T
	2	1.8026	78.6173	T	T	T	T
	3	1.8026	76.6894	T	T	T	T
THPYR_06_081	1	0.4776	86.5427	T	T	T	T
	2	0.4776	82.4761	T	T	T	T
	3	0.4776	79.8122	T	T	T	T
THPYR_06_082	1	0.1201	82.0779	T	T	T	T
	2	0.1201	80.8166	T	T	F	F
	3	0.1201	80.2612	T	T	T	T
THPYR_06_083	1	0.4725	82.2305	T	T	T	T
	2	0.4725	80.811	T	T	T	T
	3	0.4725	78.8815	T	T	F	F
THPYR_06_106	1	0.2446	80.5713	T	T	T	T
	2	0.2446	79.1596	T	T	F	F
	3	0.2446	78.8564	T	T	F	F
THPYR_06_114	1	1.2266	78.9378	F	F	F	F
	2	1.2266	77.9051	T	T	T	T
	3	1.2266	75.2219	T	T	F	F
THPYR_06_150	1	0.5289	85.0525	F	F	F	F
	2	0.5289	81.5568	F	F	F	F
	3	0.5289	81.2305	F	F	F	F
THPYR_06_152	1	0.2844	79.7527	F	F	F	F
	2	0.2844	79.5935	F	F	F	F
	3	0.2844	76.3959	F	F	F	F
THPYR_06_156	1	0.1878	83.7292	F	F	F	F
	2	0.1878	82.8938	F	T	F	F
	3	0.1878	80.7269	T	T	F	F
THPYR_06_185	1	0.9022	79.8685	T	T	T	T
	2	0.9022	77.005	T	T	T	T
	3	0.9022	76.2142	F	F	F	F
THPYR_06_189	1	1.7262	80.3967	T	T	F	F
	2	1.7262	79.6926	T	T	F	F
	3	1.7262	79.6614	F	F	F	F
THPYR_06_217	1	0.3111	75.8349	F	F	F	F
	2	0.3111	72.3155	T	T	F	F
	3	0.3111	69.2629	F	F	F	F

THPYR_06_220	1	1.7266	80.0315	F	F	F	F
	2	1.7266	79.5227	F	F	F	F
	3	1.7266	76.3559	F	T	F	F
THPYR_06_221	1	0.187	80.8671	F	F	F	F
	2	0.187	80.2879	T	T	F	F
	3	0.187	74.532	F	T	F	F
THPYR_06_222	1	1.0462	79.1846	T	T	F	F
	2	1.0462	74.9805	T	T	T	T
	3	1.0462	74.8613	T	T	F	F
THPYR_06_223	1	0.863	81.3373	T	F	F	F
	2	0.863	79.1473	T	T	F	F
	3	0.863	77.0833	T	T	F	F
THPYR_06_226	1	0.1395	79.2908	T	T	F	F
	2	0.1395	77.4603	T	T	F	F
	3	0.1395	74.044	T	T	F	F
THPYR_06_227	1	0.1729	73.5653	T	T	F	F
	2	0.1729	73.3439	F	F	F	F
	3	0.1729	72.8066	T	T	F	F
THPYR_06_233	1	0.1352	82.1435	F	F	F	F
	2	0.1352	81.5162	F	F	F	F
	3	0.1352	80.0787	F	F	F	F
THPYR_06_234	1	1.0812	74.7318	F	T	F	F
	2	1.0812	73.2155	F	F	F	F
	3	1.0812	71.6852	T	T	F	F
THPYR_06_237	1	0.1769	78.9688	T	T	F	F
	2	0.1769	75.4786	F	F	F	F
	3	0.1769	71.2312	F	T	F	F
THPYR_06_241	1	0.9462	78.4057	F	F	F	F
	2	0.9462	75.9787	F	F	F	F
	3	0.9462	75.8302	T	T	F	F
THPYR_06_248	1	1.1918	75.9341	T	F	F	F
	2	1.1918	66.4563	F	F	F	F
	3	1.1918	65.4145	F	F	F	F
THPYR_06_249	1	1.7183	79.688	F	F	F	F
	2	1.7183	79.6134	F	F	F	F
	3	1.7183	79.2474	T	T	T	T
THPYR_06_251	1	0.2808	78.7049	F	F	F	F
	2	0.2808	77.8597	F	F	F	F
	3	0.2808	77.3153	F	T	F	F
THPYR_06_252	1	0.3575	77.1948	F	F	F	F
	2	0.3575	77.099	F	F	F	F
	3	0.3575	77.0155	T	T	F	F
THPYR_06_254	1	1.9253	80.9023	T	T	F	F
	2	1.9253	78.6522	F	F	F	F
	3	1.9253	77.119	T	T	T	T

THPYR_06_267	1	1.1735	83.8742	F	F	F	F
	2	1.1735	79.7254	T	T	T	T
	3	1.1735	76.8075	F	F	F	F
THPYR_06_274	1	0.869	76.4832	F	T	F	F
	2	0.869	75.7752	F	F	F	F
	3	0.869	73.524	F	F	F	F
THPYR_06_275	1	1.9616	78.5547	T	T	F	F
	2	1.9616	76.2382	F	F	F	F
	3	1.9616	75.1061	T	T	F	F
THPYR_06_276	1	0.3475	76.361	F	F	F	F
	2	0.3475	69.6655	T	T	F	F
	3	0.3475	67.9704	T	T	F	F
THPYR_06_278	1	0.2102	76.1213	T	T	F	F
	2	0.2102	76.0229	T	T	F	F
	3	0.2102	75.6652	T	T	F	F
THPYR_06_279	1	0.4661	86.3994	F	F	F	F
	2	0.4661	82.2737	T	F	F	F
	3	0.4661	74.7482	F	F	F	F
THPYR_06_281	1	1.7037	86.766	F	F	F	F
	2	1.7037	83.6753	F	F	F	F
	3	1.7037	81.3255	T	T	T	T
THPYR_06_294	1	1.4002	79.2744	T	T	F	F
	2	1.4002	74.3765	F	F	F	F
	3	1.4002	74.3633	F	F	F	F
THPYR_06_295	1	1.6604	77.3843	F	F	F	F
	2	1.6604	74.3574	T	T	F	F
	3	1.6604	73.3705	T	T	F	F
THPYR_06_297	1	0.9281	81.7555	F	F	F	F
	2	0.9281	80.0827	T	T	F	F
	3	0.9281	77.33	F	T	F	F
THPYR_06_301	1	0.9082	80.8128	F	F	F	F
	2	0.9082	80.7793	F	F	F	F
	3	0.9082	79.4558	F	F	F	F
THPYR_06_303	1	0.5055	82.6779	T	T	F	F
	2	0.5055	82.3431	T	T	F	F
	3	0.5055	74.3512	F	T	F	F
THPYR_06_304	1	0.4226	78.9344	F	F	F	F
	2	0.4226	76.2225	F	F	F	F
	3	0.4226	74.4765	F	T	F	F
THPYR_06_310	1	0.3272	78.4043	F	F	F	F
	2	0.3272	75.2129	T	T	F	F
	3	0.3272	72.9582	F	T	F	F
THPYR_06_315	1	0.4861	77.7962	F	T	F	F
	2	0.4861	75.9703	F	F	F	F
	3	0.4861	75.28	T	T	F	F

THPYR_06_325	1	1.3335	76.4072	T	T	F	F
	2	1.3335	74.4636	T	T	T	T
	3	1.3335	74.1306	T	T	T	T
THPYR_06_329	1	0.6728	77.6085	F	F	F	F
	2	0.6728	77.4403	T	T	F	F
	3	0.6728	75.5658	T	T	T	T
THPYR_06_341	1	0.7506	83.0057	T	T	F	F
	2	0.7506	80.035	T	T	F	F
	3	0.7506	76.6303	T	T	F	F
THPYR_06_342	1	0.1965	81.4558	F	F	F	F
	2	0.1965	80.2013	F	F	F	F
	3	0.1965	75.3535	F	F	F	F
THPYR_06_343	1	0.1753	75.6675	F	F	F	F
	2	0.1753	74.9077	F	F	F	F
	3	0.1753	71.4363	F	F	F	F
THPYR_06_347	1	0.7042	82.9469	F	F	F	F
	2	0.7042	78.9594	F	F	F	F
	3	0.7042	77.9767	F	F	F	F
THPYR_06_348	1	0.5353	79.8788	T	T	F	F
	2	0.5353	79.4696	T	T	F	F
	3	0.5353	79.0223	T	T	F	F
THPYR_06_349	1	0.6041	85.9658	T	T	F	F
	2	0.6041	81.2339	F	F	F	F
	3	0.6041	80.1552	T	T	F	F
THPYR_06_351	1	0.273	76.7884	T	T	F	F
	2	0.273	74.5794	F	T	F	F
	3	0.273	74.0222	F	F	F	F
THPYR_06_352	1	1.0554	76.4627	T	T	F	F
	2	1.0554	76.4535	T	T	F	F
	3	1.0554	75.3919	F	F	F	F
THPYR_06_355	1	0.2092	86.7404	T	T	F	F
	2	0.2092	75.6069	T	F	F	F
	3	0.2092	74.6206	F	F	F	F
THPYR_06_365	1	1.2871	87.1036	T	T	T	T
	2	1.2871	85.8112	T	T	F	F
	3	1.2871	84.4468	T	T	F	F
THPYR_06_371	1	0.1604	82.7774	T	T	F	F
	2	0.1604	80.778	T	T	F	F
	3	0.1604	78.6712	F	F	F	F
THPYR_06_373	1	1.5125	75.5294	F	F	F	F
	2	1.5125	74.4928	T	T	F	F
	3	1.5125	74.2971	T	T	F	F
THPYR_06_377	1	0.633	77.8989	T	T	T	T
	2	0.633	76.917	T	T	F	F
	3	0.633	76.9034	T	T	T	T

THPYR_06_385	1	1.8863	78.2067	T	T	F	F
	2	1.8863	75.2283	T	T	F	F
	3	1.8863	74.1364	F	F	F	F
THPYR_06_386	1	0.5253	83.0535	F	F	F	F
	2	0.5253	81.032	T	T	T	T
	3	0.5253	74.6683	F	F	F	F
THPYR_06_388	1	1.1841	81.3499	T	T	F	F
	2	1.1841	79.8079	F	F	F	F
	3	1.1841	76.1771	F	F	F	F
THPYR_06_389	1	1.0529	84.2627	F	F	F	F
	2	1.0529	75.7517	F	F	F	F
	3	1.0529	72.1909	F	F	F	F
THPYR_06_394	1	0.1072	82.1824	T	T	T	T
	2	0.1072	80.9119	F	F	F	F
	3	0.1072	79.9667	T	T	T	T
THPYR_06_395	1	1.9275	58.6569	F	F	F	F
	2	1.9275	57.4182	T	T	F	F
	3	1.9275	54.5465	F	F	F	F
THPYR_06_397	1	0.7887	79.6471	F	F	F	F
	2	0.7887	78.2488	T	T	T	T
	3	0.7887	77.5052	T	F	F	F
THPYR_06_399	1	0.525	79.3795	T	T	F	F
	2	0.525	74.5644	T	T	T	T
	3	0.525	73.1467	F	F	F	F
THPYR_06_400	1	0.4884	77.0488	T	T	F	F
	2	0.4884	75.4261	F	F	F	F
	3	0.4884	74.626	F	F	F	F
THPYR_06_402	1	1.0252	84.5773	T	F	F	F
	2	1.0252	80.5344	T	F	F	F
	3	1.0252	79.044	T	T	F	F
THPYR_06_403	1	0.235	77.0518	F	F	F	F
	2	0.235	74.0538	T	T	F	F
	3	0.235	72.0989	F	F	F	F
THPYR_06_407	1	0.1632	75.6034	T	T	T	T
	2	0.1632	74.8399	T	T	T	T
	3	0.1632	74.2207	F	F	F	F
THPYR_06_411	1	0.8863	84.6023	T	F	F	F
	2	0.8863	81.6584	F	F	F	F
	3	0.8863	78.1075	T	T	T	T
THPYR_06_412	1	1.7898	88.9003	F	F	F	F
	2	1.7898	84.6297	T	T	F	F
	3	1.7898	81.9439	F	F	F	F
THPYR_06_413	1	0.9703	76.6983	F	F	F	F
	2	0.9703	76.2353	F	F	F	F
	3	0.9703	76.0739	T	T	F	F

THPYR_06_416	1	0.8549	81.9059	F	F	F	F
	2	0.8549	81.801	F	F	F	F
	3	0.8549	80.2144	T	T	F	F
THPYR_06_417	1	0.7567	85.2278	F	F	F	F
	2	0.7567	79.6132	F	F	F	F
	3	0.7567	79.1355	F	F	F	F
THPYR_06_418	1	0.6276	78.3966	F	T	F	F
	2	0.6276	74.8147	F	T	F	F
	3	0.6276	73.6162	F	F	F	F
THPYR_06_419	1	1.409	78.9649	T	T	F	F
	2	1.409	78.8933	T	T	F	F
	3	1.409	76.4506	F	F	F	F
THPYR_06_420	1	0.4956	80.5163	T	T	F	F
	2	0.4956	79.8499	T	T	T	T
	3	0.4956	78.4771	T	T	F	F
THPYR_06_426	1	0.8166	74.7676	F	F	F	F
	2	0.8166	74.5581	F	F	F	F
	3	0.8166	72.6169	T	T	T	T
THPYR_06_427	1	0.9833	82.5519	T	T	F	F
	2	0.9833	81.788	T	T	T	T
	3	0.9833	81.0416	F	F	F	F
THPYR_06_428	1	0.8033	79.4677	T	T	F	F
	2	0.8033	79.2338	T	T	F	F
	3	0.8033	78.8711	T	T	T	T
THPYR_06_430	1	1.1744	77.4633	T	T	T	T
	2	1.1744	77.2324	F	F	F	F
	3	1.1744	73.9917	T	T	F	F

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

f) D83N+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	VO (T/F)	VF (T/F)	NMPF (T/F (4-6))	Result (T/F)
OXBC_01_181	1	1.9289	62.9444	F	F	F	F
	2	1.9289	60.646	F	F	F	F
	3	1.9289	59.6687	F	F	F	F
OXBC_01_371	1	0.5026	81.9424	T	T	F	F
	2	0.5026	81.145	T	T	F	F
	3	0.5026	79.7093	T	T	F	F
OXBC_01_395	1	1.5707	62.8212	T	T	F	F
	2	1.5707	60.3697	T	T	F	F
	3	1.5707	59.0583	T	T	F	F
OXBC_02_016	1	0.4034	70.8617	T	T	F	F
	2	0.4034	70.727	T	T	F	F
	3	0.4034	69.0013	T	T	F	F
OXBC_02_114	1	0.7967	73.9454	T	T	F	F
	2	0.7967	72.0653	T	T	F	F
	3	0.7967	71.2209	T	T	F	F
OXBC_02_184	1	1.9902	72.2486	T	T	F	F
	2	1.9902	70.5736	T	T	F	F
	3	1.9902	69.5948	F	F	F	F
OXBC_02_252	1	0.2345	71.1792	T	T	F	F
	2	0.2345	67.8349	T	T	F	F
	3	0.2345	65.9287	F	F	F	F
OXBC_02_254	1	1.0812	74.7075	T	T	F	F
	2	1.0812	74.6887	T	T	F	F
	3	1.0812	73.8162	T	T	T	T
OXBC_02_284	1	1.5325	72.1155	T	T	F	F
	2	1.5325	69.8661	F	F	F	F
	3	1.5325	66.1378	T	T	F	F
OXBC_02_310	1	0.5585	70.2597	T	T	F	F
	2	0.5585	68.146	F	F	F	F
	3	0.5585	67.7846	T	T	F	F
THIND_01_030	1	0.4726	58.2803	F	F	F	F
	2	0.4726	56.4859	F	F	F	F
	3	0.4726	51.1702	F	F	F	F
THIND_01_049	1	1.5639	59.2462	F	F	F	F
	2	1.5639	55.6568	F	F	F	F
	3	1.5639	53.094	F	F	F	F
THIND_01_116	1	0.5836	70.6814	T	T	F	F
	2	0.5836	66.2089	T	T	F	F
	3	0.5836	65.2579	F	F	F	F
THIND_03_044	1	1.8382	55.2746	F	F	F	F
	2	1.8382	51.3086	T	T	T	T
	3	1.8382	51.0454	F	F	F	F

THIND_03_048	1	1.0325	57.8773	F	F	F	F
	2	1.0325	56.3349	F	F	F	F
	3	1.0325	53.9114	F	F	F	F
THIND_03_131	1	0.5055	58.957	F	F	F	F
	2	0.5055	57.2579	F	F	F	F
	3	0.5055	54.1422	F	T	F	F
THIND_03_137	1	0.338	54.4701	F	F	F	F
	2	0.338	46.1318	T	T	F	F
	3	0.338	45.3699	F	F	F	F
THIND_03_260	1	1.8076	52.4779	F	F	F	F
	2	1.8076	47.4237	T	T	F	F
	3	1.8076	47.3463	F	F	F	F
THIND_03_354	1	0.7537	65.5232	F	F	F	F
	2	0.7537	60.6416	T	T	F	F
	3	0.7537	55.798	F	F	F	F
THIND_03_369	1	1.0195	72.3208	F	F	F	F
	2	1.0195	64.6229	F	F	F	F
	3	1.0195	56.2073	F	T	F	F
THIND_03_371	1	1.159	64.313	T	T	F	F
	2	1.159	58.9179	T	T	F	F
	3	1.159	51.3938	F	F	F	F
THIND_04_028	1	1.6916	69.7523	F	F	F	F
	2	1.6916	64.8569	T	F	F	F
	3	1.6916	63.3163	F	F	F	F
THIND_04_030	1	0.8	61.297	F	F	F	F
	2	0.8	60.8262	T	F	F	F
	3	0.8	60.2186	T	F	F	F
THIND_04_160	1	1.0792	65.4011	T	F	F	F
	2	1.0792	56.4452	F	F	F	F
	3	1.0792	49.6049	F	F	F	F
THIND_04_163	1	0.6761	62.8528	F	F	F	F
	2	0.6761	62.4877	F	F	F	F
	3	0.6761	56.8219	F	F	F	F
THIND_04_211	1	0.9772	51.2226	F	F	F	F
	2	0.9772	48.518	F	T	F	F
	3	0.9772	47.7932	F	F	F	F
THIND_04_213	1	0.9486	61.2438	F	F	F	F
	2	0.9486	56.888	F	F	F	F
	3	0.9486	54.081	F	F	F	F
THIND_04_260	1	1.075	64.68	F	F	F	F
	2	1.075	62.8016	F	F	F	F
	3	1.075	57.506	F	F	F	F
THIND_04_350	1	1.8625	68.6187	T	F	F	F
	2	1.8625	67.919	F	F	F	F
	3	1.8625	65.7563	F	F	F	F

THIND_04_393	1	1.8694	69.3185	F	F	F	F
	2	1.8694	68.0058	F	F	F	F
	3	1.8694	67.4708	T	F	F	F
THIND_04_395	1	1.2691	55.3703	F	F	F	F
	2	1.2691	48.9929	F	F	F	F
	3	1.2691	48.9515	F	F	F	F
THIND_05_105	1	1.9838	88.0259	F	F	F	F
	2	1.9838	84.9469	F	F	F	F
	3	1.9838	82.6292	T	T	F	F
THIND_05_113	1	1.3772	75.2785	F	F	F	F
	2	1.3772	74.237	T	T	F	F
	3	1.3772	72.4764	F	F	F	F
THIND_05_131	1	0.764	88.8306	F	F	F	F
	2	0.764	78.2525	F	F	F	F
	3	0.764	76.7536	F	T	F	F
THIND_05_137	1	0.4292	75.4765	F	F	F	F
	2	0.4292	74.6608	F	F	F	F
	3	0.4292	74.0029	F	F	F	F
THIND_05_260	1	0.9986	77.7309	T	T	F	F
	2	0.9986	75.4384	F	F	F	F
	3	0.9986	74.6198	F	F	F	F
THIND_05_354	1	1.0414	81.5683	F	F	F	F
	2	1.0414	74.7187	F	F	F	F
	3	1.0414	74.5951	F	F	F	F
THIND_05_355	1	1.9507	79.4604	F	F	F	F
	2	1.9507	78.9539	T	T	F	F
	3	1.9507	77.9619	F	F	F	F
THIND_05_369	1	1.358	93.9334	F	F	F	F
	2	1.358	93.8373	F	F	F	F
	3	1.358	87.0147	F	T	F	F
THIND_05_371	1	1.6372	83.1148	T	T	F	F
	2	1.6372	82.8168	F	F	F	F
	3	1.6372	82.7777	F	F	F	F
THIND_06_030	1	1.6626	81.1859	T	T	F	F
	2	1.6626	77.96	F	F	F	F
	3	1.6626	77.5984	F	F	F	F
THIND_06_031	1	0.79	70.9118	F	F	F	F
	2	0.79	68.8616	F	F	F	F
	3	0.79	68.5949	F	F	F	F
THIND_06_047	1	1.3119	76.3775	F	F	F	F
	2	1.3119	73.0171	F	F	F	F
	3	1.3119	71.7783	F	F	F	F
THIND_06_049	1	0.4853	72.5751	F	F	F	F
	2	0.4853	72.1812	F	F	F	F
	3	0.4853	71.6559	F	F	F	F

THIND_06_050	1	0.9164	76.6031	F	F	F	F
	2	0.9164	75.2623	F	F	F	F
	3	0.9164	74.7086	F	F	F	F
THIND_06_142	1	0.9616	70.0962	F	F	F	F
	2	0.9616	69.9569	F	F	F	F
	3	0.9616	68.4696	F	F	F	F
THIND_06_187	1	0.5973	68.5731	F	F	F	F
	2	0.5973	67.5424	F	F	F	F
	3	0.5973	67.4218	F	F	F	F
THIND_06_211	1	0.2488	82.1304	F	F	F	F
	2	0.2488	78.8556	F	F	F	F
	3	0.2488	72.6131	F	F	F	F
THIND_06_247	1	0.9068	68.5961	F	F	F	F
	2	0.9068	64.7011	F	F	F	F
	3	0.9068	60.681	F	F	F	F
THIND_06_382	1	0.7084	68.2146	F	F	F	F
	2	0.7084	68.1082	F	F	F	F
	3	0.7084	64.0056	F	F	F	F
THIND_07_005	1	0.7485	47.4163	F	T	F	F
	2	0.7485	47.0684	F	T	F	F
	3	0.7485	46.2732	F	F	F	F
THIND_07_023	1	1.2682	73.0102	T	T	T	T
	2	1.2682	68.1546	T	T	F	F
	3	1.2682	54.577	F	F	F	F
THIND_07_048	1	1.8647	60.2816	F	F	F	F
	2	1.8647	59.9084	F	F	F	F
	3	1.8647	59.7541	F	F	F	F
THIND_07_078	1	1.7713	64.4641	F	F	F	F
	2	1.7713	57.9564	F	F	F	F
	3	1.7713	57.0892	F	F	F	F
THIND_07_108	1	1.4983	65.3792	T	F	F	F
	2	1.4983	58.1487	F	F	F	F
	3	1.4983	56.8731	F	F	F	F
THIND_07_109	1	0.8584	60.0315	F	F	F	F
	2	0.8584	54.715	T	T	F	F
	3	0.8584	53.6475	F	F	F	F
THIND_07_131	1	0.8545	66.1715	T	T	T	T
	2	0.8545	63.728	F	F	F	F
	3	0.8545	61.1175	F	F	F	F
THIND_07_137	1	1.5188	57.799	F	F	F	F
	2	1.5188	52.4641	F	F	F	F
	3	1.5188	50.0996	F	F	F	F
THIND_07_140	1	1.0385	61.2952	F	F	F	F
	2	1.0385	53.0298	F	F	F	F
	3	1.0385	49.6608	F	F	F	F

THIND_07_171	1	0.9867	59.3375	F	F	F	F
	2	0.9867	55.7176	F	F	F	F
	3	0.9867	50.6079	F	F	F	F
THIND_07_172	1	0.6561	52.2706	F	F	F	F
	2	0.6561	49.7434	F	F	F	F
	3	0.6561	49.2599	F	F	F	F
THIND_07_176	1	0.7963	61.3589	F	T	F	F
	2	0.7963	58.5179	F	T	F	F
	3	0.7963	57.3413	F	T	F	F
THIND_07_192	1	1.6769	60.1735	F	F	F	F
	2	1.6769	59.1592	F	F	F	F
	3	1.6769	58.2148	F	F	F	F
THIND_07_354	1	0.9147	68.0498	F	F	F	F
	2	0.9147	61.8288	F	F	F	F
	3	0.9147	59.3717	F	F	F	F
THIND_07_387	1	0.7932	57.3285	F	F	F	F
	2	0.7932	53.7338	F	F	F	F
	3	0.7932	53.4934	F	F	F	F
THIND_08_044	1	1.4431	65.8719	F	F	F	F
	2	1.4431	55.7037	F	F	F	F
	3	1.4431	55.0957	F	F	F	F
THIND_08_048	1	0.9532	66.8202	F	F	F	F
	2	0.9532	61.4466	F	F	F	F
	3	0.9532	56.0968	F	F	F	F
THIND_08_113	1	1.9244	60.8142	T	T	T	T
	2	1.9244	56.2324	T	T	T	T
	3	1.9244	55.0568	T	T	F	F
THIND_08_131	1	1.3065	69.2313	F	T	F	F
	2	1.3065	62.3468	F	F	F	F
	3	1.3065	61.8221	F	T	F	F
THIND_08_137	1	0.3863	64.4059	F	F	F	F
	2	0.3863	56.3951	F	F	F	F
	3	0.3863	53.4317	F	F	F	F
THIND_08_279	1	1.953	66.1133	F	F	F	F
	2	1.953	65.854	F	F	F	F
	3	1.953	64.7337	T	T	F	F
THIND_08_354	1	1.3533	57.8049	F	F	F	F
	2	1.3533	56.1176	F	F	F	F
	3	1.3533	54.2729	F	F	F	F
THIND_09_004	1	1.186	79.7941	F	F	F	F
	2	1.186	75.9106	F	F	F	F
	3	1.186	74.6228	F	F	F	F
THIND_09_005	1	0.3548	73.2615	F	T	T	F
	2	0.3548	68.2583	F	T	F	F
	3	0.3548	67.8921	F	T	F	F

THIND_09_023	1	0.9861	88.9833	T	T	F	F
	2	0.9861	88.5625	T	T	T	T
	3	0.9861	78.1312	F	F	F	F
THIND_09_055	1	1.8184	56.008	F	T	F	F
	2	1.8184	55.0049	F	F	F	F
	3	1.8184	52.905	F	F	F	F
THIND_09_057	1	0.3286	80.0648	F	F	F	F
	2	0.3286	78.9073	F	F	F	F
	3	0.3286	70.3541	F	F	F	F
THIND_09_058	1	0.3156	75.6082	F	F	F	F
	2	0.3156	71.4434	F	F	F	F
	3	0.3156	70.4432	F	F	F	F
THIND_09_060	1	1.7583	72.2319	F	F	F	F
	2	1.7583	70.8962	F	F	F	F
	3	1.7583	70.1296	F	F	F	F
THIND_09_065	1	1.7434	63.8535	F	F	F	F
	2	1.7434	60.105	F	F	F	F
	3	1.7434	58.097	F	F	F	F
THIND_09_090	1	1.1527	82.0889	T	T	F	F
	2	1.1527	74.2316	F	T	F	F
	3	1.1527	72.2844	T	T	F	F
THIND_09_108	1	0.9475	86.1788	F	F	F	F
	2	0.9475	84.8376	T	T	F	F
	3	0.9475	75.5891	F	F	F	F
THIND_09_109	1	0.4705	71.0038	T	T	F	F
	2	0.4705	67.5523	F	F	F	F
	3	0.4705	66.6322	F	F	F	F
THIND_09_113	1	0.9152	77.5513	T	T	F	F
	2	0.9152	76.9513	F	F	F	F
	3	0.9152	71.3362	T	T	F	F
THIND_09_115	1	1.4743	75.7869	T	T	F	F
	2	1.4743	75.596	T	T	F	F
	3	1.4743	74.6673	T	T	F	F
THIND_09_117	1	1.1277	83.8606	F	F	F	F
	2	1.1277	82.5298	T	T	F	F
	3	1.1277	82.1409	F	F	F	F
THIND_09_131	1	1.0524	81.6862	F	F	F	F
	2	1.0524	81.0365	F	F	F	F
	3	1.0524	80.5517	F	T	F	F
THIND_09_137	1	0.4097	74.8962	F	F	F	F
	2	0.4097	72.3194	F	F	F	F
	3	0.4097	71.0308	F	F	F	F
THIND_09_161	1	0.7962	72.6144	T	T	F	F
	2	0.7962	67.8867	F	F	F	F
	3	0.7962	66.8915	F	F	F	F

THIND_09_163	1	0.8537	73.3771	T	T	F	F
	2	0.8537	69.8635	T	T	F	F
	3	0.8537	68.377	T	T	F	F
THIND_09_167	1	1.9629	68.5734	F	F	F	F
	2	1.9629	67.5765	T	T	T	T
	3	1.9629	65.2155	F	F	F	F
THIND_09_171	1	1.2508	69.7024	F	F	F	F
	2	1.2508	68.7049	F	T	F	F
	3	1.2508	68.5015	T	F	F	F
THIND_09_172	1	0.8551	71.1527	T	F	F	F
	2	0.8551	66.4081	T	T	F	F
	3	0.8551	64.9768	F	F	F	F
THIND_09_173	1	1.5188	75.627	T	T	F	F
	2	1.5188	68.3238	F	F	F	F
	3	1.5188	68.0749	F	F	F	F
THIND_09_176	1	1.1327	84.0452	F	T	F	F
	2	1.1327	78.7365	T	T	T	T
	3	1.1327	73.7496	F	T	F	F
THIND_09_179	1	1.3999	84.3027	F	F	F	F
	2	1.3999	83.0061	T	T	T	T
	3	1.3999	81.5875	T	T	F	F
THIND_09_186	1	1.7931	88.4507	F	F	F	F
	2	1.7931	84.4515	F	F	F	F
	3	1.7931	80.852	F	F	F	F
THIND_09_260	1	0.5595	76.375	F	F	F	F
	2	0.5595	73.2146	F	F	F	F
	3	0.5595	71.9965	T	T	F	F
THIND_09_354	1	1.2365	79.5197	T	T	F	F
	2	1.2365	73.3165	F	F	F	F
	3	1.2365	70.4603	F	F	F	F
THIND_09_369	1	1.7254	87.8799	T	T	F	F
	2	1.7254	85.0571	F	F	F	F
	3	1.7254	82.6475	F	T	F	F
THIND_09_371	1	1.2996	84.4612	T	T	F	F
	2	1.2996	80.8091	T	T	F	F
	3	1.2996	77.0329	F	F	F	F
THIND_09_387	1	0.232	75.2067	F	F	F	F
	2	0.232	75.1871	F	F	F	F
	3	0.232	74.4327	F	F	F	F
THIND_10_002	1	1.4401	56.8628	F	F	F	F
	2	1.4401	55.0415	F	F	F	F
	3	1.4401	54.834	F	F	F	F
THIND_10_044	1	1.6619	62.3793	F	F	F	F
	2	1.6619	59.3889	F	F	F	F
	3	1.6619	57.5648	F	F	F	F

THIND_10_048	1	0.8648	62.313	F	F	F	F
	2	0.8648	58.7576	F	F	F	F
	3	0.8648	58.4717	F	F	F	F
THIND_10_113	1	1.4015	58.3592	F	F	F	F
	2	1.4015	56.2048	F	F	F	F
	3	1.4015	50.1249	F	F	F	F
THIND_10_131	1	0.2951	61.8944	F	F	F	F
	2	0.2951	57.0932	F	F	F	F
	3	0.2951	56.3891	F	F	F	F
THIND_10_137	1	0.4936	56.3055	F	F	F	F
	2	0.4936	55.1702	F	F	F	F
	3	0.4936	54.8048	F	F	F	F
THIND_10_157	1	1.8197	59.0812	F	F	F	F
	2	1.8197	56.2234	F	F	F	F
	3	1.8197	55.8216	F	F	F	F
THIND_10_179	1	1.6084	65.447	T	T	F	F
	2	1.6084	59.6806	F	F	F	F
	3	1.6084	57.6381	F	F	F	F
THIND_10_260	1	1.2797	54.8753	F	F	F	F
	2	1.2797	52.0803	F	F	F	F
	3	1.2797	51.0852	F	F	F	F
THIND_10_350	1	1.6746	60.7016	F	F	F	F
	2	1.6746	59.566	F	F	F	F
	3	1.6746	56.4688	T	T	F	F
THIND_10_354	1	0.288	67.1457	T	T	F	F
	2	0.288	63.146	F	F	F	F
	3	0.288	63.102	F	F	F	F
THIND_10_355	1	1.3804	57.7038	F	F	F	F
	2	1.3804	56.9687	F	F	F	F
	3	1.3804	56.911	F	F	F	F
THIND_10_369	1	0.7827	70.7248	F	F	F	F
	2	0.7827	66.8356	F	T	F	F
	3	0.7827	63.9066	F	F	F	F
THIND_10_371	1	1.561	56.7647	F	F	F	F
	2	1.561	55.3224	T	T	F	F
	3	1.561	54.7283	F	F	F	F
THIND_10_391	1	1.5599	57.2928	F	F	F	F
	2	1.5599	55.3416	T	T	F	F
	3	1.5599	55.1931	F	F	F	F
THIND_12_019	1	1.8599	67.4582	T	T	F	F
	2	1.8599	64.8118	T	T	F	F
	3	1.8599	60.1022	F	F	F	F
THIND_12_020	1	1.8985	80.3394	T	T	F	F
	2	1.8985	77.9238	T	T	F	F
	3	1.8985	75.3573	F	F	F	F

THIND_12_074	1	1.8854	87.9575	T	T	T	T
	2	1.8854	87.708	F	F	F	F
	3	1.8854	86.8168	T	T	F	F
THIND_12_076	1	0.3049	91.9709	T	T	F	F
	2	0.3049	86.8687	F	F	F	F
	3	0.3049	84.7505	T	T	F	F
THIND_12_093	1	1.2732	91.7775	F	F	F	F
	2	1.2732	86.9416	F	F	F	F
	3	1.2732	85.4181	F	F	F	F
THIND_12_107	1	0.6667	75.0626	T	T	F	F
	2	0.6667	73.982	T	T	F	F
	3	0.6667	69.2588	T	T	F	F
THIND_12_112	1	0.148	82.5182	T	T	F	F
	2	0.148	79.1693	T	T	T	T
	3	0.148	77.5665	F	F	F	F
THIND_12_144	1	0.3252	91.7612	T	T	F	F
	2	0.3252	78.9217	T	T	F	F
	3	0.3252	77.3642	T	T	F	F
THIND_12_178	1	1.7482	77.7126	T	T	F	F
	2	1.7482	75.0692	T	T	F	F
	3	1.7482	74.2097	T	T	F	F
THIND_12_182	1	0.7729	91.4099	F	F	F	F
	2	0.7729	88.6024	F	F	F	F
	3	0.7729	88.13	F	F	F	F
THIND_12_246	1	0.9232	85.596	F	F	F	F
	2	0.9232	83.9336	F	F	F	F
	3	0.9232	82.9424	F	F	F	F
THIND_13_019	1	0.9554	65.1074	T	T	T	T
	2	0.9554	61.4162	F	F	F	F
	3	0.9554	58.9818	F	F	F	F
THIND_13_044	1	0.5463	61.475	F	F	F	F
	2	0.5463	61.1335	F	F	F	F
	3	0.5463	60.8724	F	F	F	F
THIND_13_080	1	1.7318	75.6688	F	F	F	F
	2	1.7318	74.3605	F	F	F	F
	3	1.7318	72.4508	F	F	F	F
THIND_13_106	1	1.336	78.339	F	F	F	F
	2	1.336	73.8225	F	F	F	F
	3	1.336	73.0526	F	F	F	F
THIND_13_145	1	1.7239	73.9417	F	F	F	F
	2	1.7239	70.7046	F	F	F	F
	3	1.7239	70.6197	F	F	F	F
THIND_13_195	1	0.472	67.3057	T	T	F	F
	2	0.472	67.0829	F	F	F	F
	3	0.472	66.9745	F	F	F	F

THIND_13_246	1	0.2419	74.5865	F	F	F	F
	2	0.2419	73.0248	F	F	F	F
	3	0.2419	70.8751	F	F	F	F
THIND_13_247	1	0.0732	81.4436	F	F	F	F
	2	0.0732	74.0123	T	T	F	F
	3	0.0732	72.4611	F	F	F	F
THIND_14_012	1	1.1405	60.7097	F	F	F	F
	2	1.1405	58.7033	F	F	F	F
	3	1.1405	58.0723	F	F	F	F
THIND_14_078	1	0.1947	66.7422	F	F	F	F
	2	0.1947	65.4572	T	T	F	F
	3	0.1947	65.2634	F	F	F	F
THIND_14_120	1	0.4672	58.8542	T	T	F	F
	2	0.4672	55.8455	F	F	F	F
	3	0.4672	55.2188	F	T	F	F
THIND_14_182	1	1.3415	68.5143	T	T	T	T
	2	1.3415	64.1753	T	T	F	F
	3	1.3415	63.0446	F	F	F	F
THIND_14_196	1	1.9829	53.2445	F	F	F	F
	2	1.9829	51.6003	F	F	F	F
	3	1.9829	50.8197	F	F	F	F
THIND_15_004	1	0.5482	62.4962	T	T	F	F
	2	0.5482	56.7665	F	F	F	F
	3	0.5482	56.4056	T	T	T	T
THIND_15_021	1	1.7239	54.3249	F	F	F	F
	2	1.7239	51.7489	T	T	F	F
	3	1.7239	51.0305	F	F	F	F
THIND_15_028	1	0.5981	61.5887	T	T	F	F
	2	0.5981	56.6213	F	T	F	F
	3	0.5981	55.4289	T	T	F	F
THIND_15_030	1	0.5045	61.9912	T	T	F	F
	2	0.5045	56.0205	T	T	F	F
	3	0.5045	55.8403	F	T	F	F
THIND_15_050	1	1.2081	50.0696	T	T	T	T
	2	1.2081	49.9329	T	T	F	F
	3	1.2081	47.4288	F	F	F	F
THIND_15_105	1	0.9076	53.8486	T	T	F	F
	2	0.9076	50.5084	F	F	F	F
	3	0.9076	49.691	T	T	F	F
THIND_15_122	1	1.4161	63.7985	T	T	F	F
	2	1.4161	57.4687	T	T	T	T
	3	1.4161	57.2224	T	T	T	T
THIND_15_133	1	0.826	53.6652	T	T	F	F
	2	0.826	52.926	T	T	F	F
	3	0.826	52.7876	T	T	T	T

THIND_15_178	1	0.719	55.1541	T	T	F	F
	2	0.719	52.7069	T	T	F	F
	3	0.719	50.8311	T	T	F	F
THIND_15_196	1	1.6177	63.0173	F	F	F	F
	2	1.6177	62.2893	F	F	F	F
	3	1.6177	58.7406	F	F	F	F
THIND_15_217	1	1.6619	55.0683	T	T	F	F
	2	1.6619	52.6643	F	T	F	F
	3	1.6619	52.4241	T	T	F	F
THIND_15_218	1	1.0493	60.0255	F	F	F	F
	2	1.0493	55.9663	F	F	F	F
	3	1.0493	55.4123	F	F	F	F
THIND_15_245	1	1.7187	65.2132	F	F	F	F
	2	1.7187	61.3905	F	F	F	F
	3	1.7187	60.6484	F	F	F	F
THIND_16_078	1	0.6399	85.4113	T	T	F	F
	2	0.6399	82.539	F	F	F	F
	3	0.6399	81.2864	T	T	T	T
THIND_16_112	1	0.8831	77.2706	T	T	T	T
	2	0.8831	73.4159	T	F	F	F
	3	0.8831	72.5407	F	F	F	F
THIND_16_118	1	0.9594	85.6335	F	F	F	F
	2	0.9594	81.867	T	F	F	F
	3	0.9594	77.9723	F	F	F	F
THIND_16_120	1	1.731	81.75	T	T	F	F
	2	1.731	75.6983	F	F	F	F
	3	1.731	75.3015	F	T	F	F
THIND_16_124	1	0.6086	76.9392	T	T	T	T
	2	0.6086	74.7005	F	F	F	F
	3	0.6086	74.042	T	T	F	F
THIND_16_144	1	1.5664	83.1259	T	T	F	F
	2	1.5664	76.0605	F	F	F	F
	3	1.5664	75.3775	T	T	F	F
THIND_16_246	1	1.8256	85.5794	F	F	F	F
	2	1.8256	79.956	F	F	F	F
	3	1.8256	78.5879	F	F	F	F
THIND_16_247	1	0.4882	77.9183	F	F	F	F
	2	0.4882	75.3589	F	F	F	F
	3	0.4882	74.8655	F	F	F	F
THPYR_01_017	1	1.5467	70.3437	T	T	F	F
	2	1.5467	69.3995	F	F	F	F
	3	1.5467	66.1903	F	F	F	F
THPYR_01_037	1	1.2882	78.1806	F	F	F	F
	2	1.2882	74.8231	F	F	F	F
	3	1.2882	73.5052	F	F	F	F

THPYR_01_038	1	1.4142	78.7408	F	F	F	F
	2	1.4142	76.9402	F	F	F	F
	3	1.4142	71.0602	F	F	F	F
THPYR_01_082	1	1.6144	76.9112	F	F	F	F
	2	1.6144	73.944	F	F	F	F
	3	1.6144	73.1248	F	F	F	F
THPYR_01_114	1	1.8484	74.7311	T	T	T	T
	2	1.8484	73.5924	F	F	F	F
	3	1.8484	73.101	F	F	F	F
THPYR_01_185	1	1.6368	78.2049	T	T	T	T
	2	1.6368	75.3775	F	F	F	F
	3	1.6368	74.0335	F	F	F	F
THPYR_01_221	1	1.1416	76.6918	F	F	F	F
	2	1.1416	73.5615	F	F	F	F
	3	1.1416	71.8146	F	F	F	F
THPYR_01_226	1	1.2735	74.6272	F	F	F	F
	2	1.2735	70.4061	F	F	F	F
	3	1.2735	69.5348	F	F	F	F
THPYR_01_227	1	0.5581	74.5128	F	F	F	F
	2	0.5581	71.7956	F	F	F	F
	3	0.5581	71.5941	F	T	F	F
THPYR_01_233	1	0.5864	80.6305	F	F	F	F
	2	0.5864	75.7647	F	F	F	F
	3	0.5864	73.7726	F	F	F	F
THPYR_01_276	1	1.7775	68.8035	F	F	F	F
	2	1.7775	65.4899	F	F	F	F
	3	1.7775	63.6045	T	T	F	F
THPYR_01_303	1	1.4801	77.3045	F	F	F	F
	2	1.4801	74.3109	F	F	F	F
	3	1.4801	74.0327	F	F	F	F
THPYR_01_315	1	1.6649	80.5729	F	F	F	F
	2	1.6649	72.9415	F	F	F	F
	3	1.6649	71.0272	F	F	F	F
THPYR_01_329	1	0.6343	74.5364	F	F	F	F
	2	0.6343	74.3088	T	T	F	F
	3	0.6343	69.682	F	F	F	F
THPYR_01_378	1	1.9059	76.6358	F	F	F	F
	2	1.9059	75.717	F	F	F	F
	3	1.9059	73.935	F	F	F	F
THPYR_01_386	1	1.0617	77.4669	F	F	F	F
	2	1.0617	74.9593	F	F	F	F
	3	1.0617	74.9522	T	T	T	T
THPYR_01_416	1	1.627	77.0657	F	F	F	F
	2	1.627	70.8183	F	F	F	F
	3	1.627	68.862	F	F	F	F

THPYR_01_417	1	1.3311	78.5747	F	F	F	F
	2	1.3311	77.6144	T	T	F	F
	3	1.3311	74.9282	F	F	F	F
THPYR_01_420	1	0.6811	74.5291	F	F	F	F
	2	0.6811	73.0514	F	F	F	F
	3	0.6811	72.6199	T	T	F	F
THPYR_01_428	1	1.1342	81.4335	T	T	F	F
	2	1.1342	77.1704	F	F	F	F
	3	1.1342	76.8662	F	F	F	F
THPYR_01_429	1	1.5104	82.1412	F	F	F	F
	2	1.5104	79.91	F	F	F	F
	3	1.5104	79.2096	F	F	F	F
THPYR_02_002	1	0.8239	81.082	F	F	F	F
	2	0.8239	78.4459	F	F	F	F
	3	0.8239	76.3059	F	F	F	F
THPYR_02_009	1	1.2882	80.0378	F	F	F	F
	2	1.2882	75.7933	T	T	T	T
	3	1.2882	71.9955	F	F	F	F
THPYR_02_037	1	1.9516	83.5823	T	T	F	F
	2	1.9516	78.8574	T	T	F	F
	3	1.9516	78.0621	T	T	F	F
THPYR_02_049	1	0.3883	87.7901	F	F	F	F
	2	0.3883	82.2339	F	F	F	F
	3	0.3883	81.9202	F	F	F	F
THPYR_02_060	1	0.4382	78.1372	T	T	F	F
	2	0.4382	73.0485	F	F	F	F
	3	0.4382	67.6552	F	F	F	F
THPYR_02_125	1	0.5369	74.2996	F	F	F	F
	2	0.5369	68.0104	F	F	F	F
	3	0.5369	67.7491	F	F	F	F
THPYR_02_148	1	1.1698	86.4252	T	T	T	T
	2	1.1698	74.377	F	F	F	F
	3	1.1698	64.7979	F	F	F	F
THPYR_02_157	1	0.6642	81.5625	F	F	F	F
	2	0.6642	78.3153	F	F	F	F
	3	0.6642	76.3931	F	F	F	F
THPYR_02_187	1	0.5665	77.9284	F	F	F	F
	2	0.5665	72.79	F	F	F	F
	3	0.5665	69.0268	F	F	F	F
THPYR_02_188	1	1.3583	65.1815	F	F	F	F
	2	1.3583	63.3044	F	F	F	F
	3	1.3583	61.6628	F	F	F	F
THPYR_02_219	1	1.8005	85.4128	F	F	F	F
	2	1.8005	81.9699	T	T	F	F
	3	1.8005	81.1079	F	F	F	F

THPYR_02_221	1	1.6661	75.3613	F	F	F	F
	2	1.6661	72.144	F	F	F	F
	3	1.6661	71.9001	F	F	F	F
THPYR_02_226	1	1.7632	83.2447	F	F	F	F
	2	1.7632	68.8397	F	F	F	F
	3	1.7632	68.4102	F	F	F	F
THPYR_02_233	1	1.6406	77.4067	F	F	F	F
	2	1.6406	76.1856	F	F	F	F
	3	1.6406	75.5176	F	F	F	F
THPYR_02_279	1	1.5563	76.5913	F	F	F	F
	2	1.5563	73.1191	F	F	F	F
	3	1.5563	71.7826	F	F	F	F
THPYR_02_316	1	0.4992	78.1554	F	F	F	F
	2	0.4992	76.357	F	F	F	F
	3	0.4992	72.1841	F	F	F	F
THPYR_02_329	1	1.842	79.2153	T	T	T	T
	2	1.842	72.753	T	T	F	F
	3	1.842	72.6952	T	T	F	F
THPYR_02_342	1	1.4911	74.4925	T	T	F	F
	2	1.4911	74.4336	F	F	F	F
	3	1.4911	74.3775	T	T	F	F
THPYR_02_343	1	0.5391	77.4234	T	T	F	F
	2	0.5391	74.5225	T	T	F	F
	3	0.5391	68.2826	F	F	F	F
THPYR_02_349	1	1.6237	84.0533	T	T	F	F
	2	1.6237	82.4968	T	T	F	F
	3	1.6237	71.4782	F	F	F	F
THPYR_02_351	1	0.7554	78.5025	F	F	F	F
	2	0.7554	78.2613	T	T	F	F
	3	0.7554	76.9744	F	F	F	F
THPYR_02_355	1	1.4371	79.5416	T	T	F	F
	2	1.4371	79.0608	F	F	F	F
	3	1.4371	77.232	F	F	F	F
THPYR_02_371	1	1.6248	78.6461	F	F	F	F
	2	1.6248	75.4174	F	F	F	F
	3	1.6248	74.5903	F	F	F	F
THPYR_02_389	1	0.7659	68.3194	F	F	F	F
	2	0.7659	66.5671	T	F	F	F
	3	0.7659	65.6562	F	F	F	F
THPYR_02_400	1	1.9629	77.0326	T	T	F	F
	2	1.9629	75.3005	T	T	F	F
	3	1.9629	75.2963	F	F	F	F
THPYR_02_407	1	0.7954	82.8089	F	F	F	F
	2	0.7954	74.9361	F	F	F	F
	3	0.7954	73.6569	F	F	F	F

THPYR_02_420	1	1.3684	83.1025	T	T	F	F
	2	1.3684	74.403	F	F	F	F
	3	1.3684	74.1018	F	F	F	F
THPYR_02_426	1	1.3737	84.8487	T	T	T	T
	2	1.3737	81.7918	T	T	T	T
	3	1.3737	72.5462	F	F	F	F
THPYR_03_002	1	0.6013	76.047	F	F	F	F
	2	0.6013	75.8035	T	T	F	F
	3	0.6013	75.1988	F	F	F	F
THPYR_03_009	1	1.3384	85.2266	F	F	F	F
	2	1.3384	82.9056	T	T	F	F
	3	1.3384	79.6237	F	F	F	F
THPYR_03_029	1	1.0563	76.3801	T	T	T	T
	2	1.0563	75.5137	F	F	F	F
	3	1.0563	72.6977	F	F	F	F
THPYR_03_034	1	0.5625	68.2781	F	F	F	F
	2	0.5625	58.7509	F	F	F	F
	3	0.5625	56.421	F	F	F	F
THPYR_03_049	1	0.1932	77.5316	F	F	F	F
	2	0.1932	75.6228	F	F	F	F
	3	0.1932	74.1605	F	F	F	F
THPYR_03_050	1	1.5696	90.3564	F	F	F	F
	2	1.5696	77.7843	F	F	F	F
	3	1.5696	76.9525	F	F	F	F
THPYR_03_051	1	1.9449	78.9736	F	F	F	F
	2	1.9449	74.6339	F	F	F	F
	3	1.9449	71.8263	F	F	F	F
THPYR_03_060	1	0.3237	78.0994	F	F	F	F
	2	0.3237	72.4002	T	T	F	F
	3	0.3237	71.4439	F	F	F	F
THPYR_03_072	1	1.0259	82.7083	F	F	F	F
	2	1.0259	74.0079	F	F	F	F
	3	1.0259	72.9492	F	F	F	F
THPYR_03_076	1	1.9191	77.9108	F	F	F	F
	2	1.9191	72.8215	F	F	F	F
	3	1.9191	71.0388	F	F	F	F
THPYR_03_081	1	0.9929	78.4805	T	T	F	F
	2	0.9929	74.5599	T	T	T	T
	3	0.9929	74.2187	F	F	F	F
THPYR_03_082	1	0.5311	77.6424	T	T	T	T
	2	0.5311	76.1306	F	F	F	F
	3	0.5311	71.3352	F	F	F	F
THPYR_03_083	1	0.83	79.4374	T	T	T	T
	2	0.83	75.6343	F	F	F	F
	3	0.83	74.2041	F	F	F	F

THPYR_03_114	1	1.8446	78.2401	F	F	F	F
	2	1.8446	77.5139	T	T	T	T
	3	1.8446	67.9522	F	F	F	F
THPYR_03_125	1	0.4562	74.0231	T	T	F	F
	2	0.4562	73.6038	F	F	F	F
	3	0.4562	72.884	T	T	F	F
THPYR_03_148	1	0.3077	78.1081	T	T	T	T
	2	0.3077	71.6827	F	F	F	F
	3	0.3077	70.6676	F	F	F	F
THPYR_03_156	1	1.8552	78.293	F	F	F	F
	2	1.8552	77.5606	F	F	F	F
	3	1.8552	75.6517	F	F	F	F
THPYR_03_157	1	0.4815	83.6224	F	F	F	F
	2	0.4815	76.98	F	F	F	F
	3	0.4815	76.7233	F	F	F	F
THPYR_03_178	1	0.7602	19.4933	F	F	F	F
	2	0.7602	8.6005	F	F	F	F
	3	0.7602	8.078	F	F	F	F
THPYR_03_185	1	1.9329	82.862	T	T	T	T
	2	1.9329	82.1675	F	F	F	F
	3	1.9329	78.1427	T	T	F	F
THPYR_03_187	1	0.2174	71.529	F	F	F	F
	2	0.2174	71.1129	F	F	F	F
	3	0.2174	70.5856	F	F	F	F
THPYR_03_221	1	1.0799	80.0427	F	F	F	F
	2	1.0799	77.2599	F	F	F	F
	3	1.0799	76.0638	F	T	F	F
THPYR_03_222	1	1.9783	77.2828	T	T	F	F
	2	1.9783	75.413	F	F	F	F
	3	1.9783	75.1045	F	F	F	F
THPYR_03_223	1	1.5314	76.5062	T	T	F	F
	2	1.5314	76.204	F	F	F	F
	3	1.5314	75.872	F	F	F	F
THPYR_03_226	1	1.0787	72.4524	F	F	F	F
	2	1.0787	72.3362	T	T	F	F
	3	1.0787	71.8884	F	F	F	F
THPYR_03_227	1	1.6908	73.9522	F	F	F	F
	2	1.6908	73.3907	T	T	F	F
	3	1.6908	72.3596	T	T	F	F
THPYR_03_233	1	1.4666	81.0396	F	F	F	F
	2	1.4666	79.6812	F	T	F	F
	3	1.4666	77.3233	F	F	F	F
THPYR_03_276	1	1.5413	76.4984	F	F	F	F
	2	1.5413	76.0355	T	T	F	F
	3	1.5413	69.3232	T	T	F	F

THPYR_03_316	1	0.4337	75.799	F	F	F	F
	2	0.4337	75.2254	F	F	F	F
	3	0.4337	74.6888	F	F	F	F
THPYR_03_329	1	0.7251	86.1924	T	T	F	F
	2	0.7251	80.2933	F	F	F	F
	3	0.7251	76.1012	T	T	F	F
THPYR_03_342	1	0.979	85.4233	T	T	F	F
	2	0.979	74.0846	T	T	F	F
	3	0.979	72.2049	T	T	F	F
THPYR_03_343	1	1.4723	84.6225	F	F	F	F
	2	1.4723	82.0237	F	F	F	F
	3	1.4723	78.0758	F	F	F	F
THPYR_03_351	1	1.8932	78.6186	F	F	F	F
	2	1.8932	75.7146	F	F	F	F
	3	1.8932	74.0945	T	T	F	F
THPYR_03_369	1	1.7628	89.4392	F	F	F	F
	2	1.7628	87.7168	F	F	F	F
	3	1.7628	86.5902	F	F	F	F
THPYR_03_372	1	1.9584	77.7961	F	F	F	F
	2	1.9584	77.1363	F	F	F	F
	3	1.9584	76.184	F	F	F	F
THPYR_03_389	1	0.5912	77.142	F	F	F	F
	2	0.5912	73.6856	F	F	F	F
	3	0.5912	69.4542	F	F	F	F
THPYR_03_394	1	1.406	81.5185	T	T	F	F
	2	1.406	81.2201	T	T	F	F
	3	1.406	79.6738	T	T	T	T
THPYR_03_407	1	0.756	84.5338	T	T	F	F
	2	0.756	79.4065	F	F	F	F
	3	0.756	75.1832	F	F	F	F
THPYR_03_420	1	1.6155	85.3447	T	T	F	F
	2	1.6155	80.6131	F	F	F	F
	3	1.6155	79.8314	F	F	F	F
THPYR_03_426	1	1.3912	82.4787	T	T	T	T
	2	1.3912	78.3827	F	F	F	F
	3	1.3912	74.9647	F	F	F	F
THPYR_04_001	1	1.0877	79.2712	F	F	F	F
	2	1.0877	76.4314	F	F	F	F
	3	1.0877	76.3049	F	F	F	F
THPYR_04_002	1	0.1408	77.4866	F	F	F	F
	2	0.1408	76.6026	F	F	F	F
	3	0.1408	75.3767	F	F	F	F
THPYR_04_009	1	0.3174	87.7439	T	T	F	F
	2	0.3174	83.4026	F	F	F	F
	3	0.3174	78.5483	F	F	F	F

THPYR_04_015	1	1.2156	76.238	F	T	F	F
	2	1.2156	75.9834	F	F	F	F
	3	1.2156	75.1488	F	F	F	F
THPYR_04_016	1	0.4367	80.0533	T	T	F	F
	2	0.4367	77.0828	F	F	F	F
	3	0.4367	75.6671	F	F	F	F
THPYR_04_017	1	0.7434	74.9947	T	T	F	F
	2	0.7434	64.464	F	F	F	F
	3	0.7434	62.3045	F	F	F	F
THPYR_04_037	1	1.2615	82.9417	T	T	F	F
	2	1.2615	77.4026	F	F	F	F
	3	1.2615	75.9255	F	F	F	F
THPYR_04_038	1	1.8429	73.7356	F	F	F	F
	2	1.8429	72.7103	F	F	F	F
	3	1.8429	71.5037	F	F	F	F
THPYR_04_039	1	0.2929	89.9037	T	T	F	F
	2	0.2929	73.4199	F	F	F	F
	3	0.2929	72.3609	F	F	F	F
THPYR_04_047	1	0.8523	88.3001	F	F	F	F
	2	0.8523	82.805	F	F	F	F
	3	0.8523	78.634	F	F	F	F
THPYR_04_048	1	0.705	76.8181	F	F	F	F
	2	0.705	76.3352	F	F	F	F
	3	0.705	72.5991	F	F	F	F
THPYR_04_052	1	0.4089	80.6528	F	F	F	F
	2	0.4089	76.3453	F	F	F	F
	3	0.4089	76.2039	F	F	F	F
THPYR_04_059	1	1.3176	66.2205	F	F	F	F
	2	1.3176	62.7119	T	T	F	F
	3	1.3176	58.637	F	F	F	F
THPYR_04_060	1	0.0061	77.5194	T	T	F	F
	2	0.0061	72.4215	T	T	F	F
	3	0.0061	68.8058	F	F	F	F
THPYR_04_072	1	0.6965	78.935	F	F	F	F
	2	0.6965	72.5054	F	F	F	F
	3	0.6965	70.1276	F	F	F	F
THPYR_04_076	1	1.1148	83.777	T	T	F	F
	2	1.1148	83.1369	T	T	F	F
	3	1.1148	72.3985	F	F	F	F
THPYR_04_077	1	1.5535	84.2821	T	T	F	F
	2	1.5535	74.9202	F	F	F	F
	3	1.5535	73.3691	F	F	F	F
THPYR_04_081	1	0.508	77.3643	F	F	F	F
	2	0.508	74.6016	F	F	F	F
	3	0.508	72.5685	F	F	F	F

THPYR_04_082	1	0.263	80.2417	F	F	F	F
	2	0.263	74.4966	F	F	F	F
	3	0.263	71.0026	F	F	F	F
THPYR_04_083	1	0.3479	80.6982	F	F	F	F
	2	0.3479	79.6959	T	T	F	F
	3	0.3479	72.699	F	F	F	F
THPYR_04_106	1	0.2966	80.303	F	F	F	F
	2	0.2966	80.0115	F	F	F	F
	3	0.2966	77.5363	T	T	F	F
THPYR_04_114	1	1.1374	79.5679	T	T	F	F
	2	1.1374	78.9918	F	F	F	F
	3	1.1374	75.8623	F	F	F	F
THPYR_04_144	1	1.1593	76.2902	F	F	F	F
	2	1.1593	76.127	F	F	F	F
	3	1.1593	71.8769	F	F	F	F
THPYR_04_146	1	1.7571	85.3269	F	F	F	F
	2	1.7571	75.8937	T	T	F	F
	3	1.7571	75.3301	F	F	F	F
THPYR_04_147	1	1.8906	84.7421	T	T	T	T
	2	1.8906	69.6221	F	F	F	F
	3	1.8906	69.5273	F	F	F	F
THPYR_04_150	1	0.8381	84.7461	F	F	F	F
	2	0.8381	83.6276	F	F	F	F
	3	0.8381	82.9997	F	F	F	F
THPYR_04_152	1	0.2439	80.0897	F	F	F	F
	2	0.2439	74.7519	T	T	F	F
	3	0.2439	74.4642	F	F	F	F
THPYR_04_156	1	0.3486	78.9921	F	F	F	F
	2	0.3486	77.2223	F	F	F	F
	3	0.3486	75.0268	F	F	F	F
THPYR_04_185	1	0.8188	82.1054	T	T	F	F
	2	0.8188	78.2752	F	F	F	F
	3	0.8188	77.5208	T	T	T	T
THPYR_04_205	1	1.9055	83.278	T	T	T	T
	2	1.9055	80.5458	T	T	F	F
	3	1.9055	79.5178	F	F	F	F
THPYR_04_217	1	0.6525	80.8671	F	F	F	F
	2	0.6525	73.4365	F	F	F	F
	3	0.6525	69.6889	F	F	F	F
THPYR_04_218	1	1.6792	73.1757	F	F	F	F
	2	1.6792	71.855	F	T	F	F
	3	1.6792	70.931	F	F	F	F
THPYR_04_221	1	0.2332	79.651	F	F	F	F
	2	0.2332	79.4513	F	F	F	F
	3	0.2332	78.9318	F	F	F	F

THPYR_04_222	1	1.0755	75.4078	F	F	F	F
	2	1.0755	74.2228	F	F	F	F
	3	1.0755	73.4348	F	T	F	F
THPYR_04_223	1	0.808	78.1079	F	T	F	F
	2	0.808	75.8195	F	F	F	F
	3	0.808	74.939	F	F	F	F
THPYR_04_226	1	0.1401	75.7043	F	F	F	F
	2	0.1401	73.4113	T	T	F	F
	3	0.1401	69.2589	F	F	F	F
THPYR_04_227	1	0.1621	74.4051	F	F	F	F
	2	0.1621	72.0963	F	F	F	F
	3	0.1621	70.3798	F	F	F	F
THPYR_04_233	1	0.1896	79.9571	F	F	F	F
	2	0.1896	79.9097	F	F	F	F
	3	0.1896	77.3285	F	F	F	F
THPYR_04_234	1	1.1623	79.5304	F	T	F	F
	2	1.1623	75.371	F	F	F	F
	3	1.1623	75.3428	F	F	F	F
THPYR_04_237	1	0.4065	75.2735	F	F	F	F
	2	0.4065	72.0416	F	F	F	F
	3	0.4065	72.0212	F	F	F	F
THPYR_04_241	1	0.8285	80.4628	T	F	F	F
	2	0.8285	76.1135	F	F	F	F
	3	0.8285	74.7132	F	F	F	F
THPYR_04_251	1	0.2966	79.4353	T	T	F	F
	2	0.2966	77.494	F	F	F	F
	3	0.2966	74.2892	F	F	F	F
THPYR_04_252	1	0.4094	74.1376	F	F	F	F
	2	0.4094	72.9337	F	F	F	F
	3	0.4094	72.4641	F	F	F	F
THPYR_04_253	1	1.3999	72.5014	F	F	F	F
	2	1.3999	71.9207	F	F	F	F
	3	1.3999	70.6028	F	F	F	F
THPYR_04_267	1	1.3552	78.348	F	F	F	F
	2	1.3552	78.0329	F	F	F	F
	3	1.3552	74.6346	F	F	F	F
THPYR_04_274	1	1.113	78.6164	F	F	F	F
	2	1.113	72.8376	F	F	F	F
	3	1.113	71.7886	F	F	F	F
THPYR_04_275	1	1.6665	79.1042	T	F	F	F
	2	1.6665	74.6456	F	F	F	F
	3	1.6665	73.7565	F	F	F	F
THPYR_04_276	1	0.4134	75.7477	T	T	F	F
	2	0.4134	75.3163	T	T	F	F
	3	0.4134	69.3742	F	F	F	F

THPYR_04_278	1	0.2612	82.4653	T	T	F	F
	2	0.2612	78.5258	F	F	F	F
	3	0.2612	78.1019	T	T	F	F
THPYR_04_279	1	0.4064	79.2303	F	F	F	F
	2	0.4064	76.612	F	F	F	F
	3	0.4064	75.5956	F	F	F	F
THPYR_04_294	1	1.0271	81.3574	F	F	F	F
	2	1.0271	77.8843	F	F	F	F
	3	1.0271	75.668	F	F	F	F
THPYR_04_297	1	1.158	83.058	F	F	F	F
	2	1.158	76.8178	F	F	F	F
	3	1.158	75.583	F	F	F	F
THPYR_04_304	1	0.6372	79.5484	T	T	F	F
	2	0.6372	77.5722	F	F	F	F
	3	0.6372	77.4115	F	F	F	F
THPYR_04_310	1	0.3311	83.249	T	T	F	F
	2	0.3311	78.9755	F	F	F	F
	3	0.3311	75.0901	T	T	F	F
THPYR_04_325	1	1.2612	78.1213	F	F	F	F
	2	1.2612	76.9391	T	F	F	F
	3	1.2612	74.946	F	F	F	F
THPYR_04_329	1	0.349	81.2466	F	F	F	F
	2	0.349	80.4523	T	T	F	F
	3	0.349	79.4586	F	F	F	F
THPYR_04_331	1	1.7474	81.0218	T	T	F	F
	2	1.7474	76.0559	T	F	F	F
	3	1.7474	74.93	T	T	F	F
THPYR_04_342	1	0.2726	81.7667	F	F	F	F
	2	0.2726	75.1264	F	F	F	F
	3	0.2726	63.7787	F	F	F	F
THPYR_04_343	1	0.2147	75.576	F	F	F	F
	2	0.2147	75.3867	F	F	F	F
	3	0.2147	74.418	F	F	F	F
THPYR_04_344	1	1.5177	72.2998	F	F	F	F
	2	1.5177	68.4704	F	F	F	F
	3	1.5177	68.0032	F	F	F	F
THPYR_04_346	1	1.8072	70.9473	F	F	F	F
	2	1.8072	69.7973	F	F	F	F
	3	1.8072	67.4978	F	F	F	F
THPYR_04_349	1	0.4256	82.5245	F	F	F	F
	2	0.4256	72.7081	F	T	F	F
	3	0.4256	68.5916	F	F	F	F
THPYR_04_351	1	0.2738	79.6926	F	F	F	F
	2	0.2738	73.3122	F	F	F	F
	3	0.2738	73.1308	F	F	F	F

THPYR_04_355	1	0.1931	73.6587	F	F	F	F
	2	0.1931	70.8184	F	F	F	F
	3	0.1931	69.2437	F	F	F	F
THPYR_04_365	1	0.6769	78.9552	F	F	F	F
	2	0.6769	76.7002	T	T	F	F
	3	0.6769	73.122	F	F	F	F
THPYR_04_371	1	0.0938	77.842	F	F	F	F
	2	0.0938	71.5469	F	F	F	F
	3	0.0938	71.2595	F	F	F	F
THPYR_04_372	1	1.1628	72.4081	F	F	F	F
	2	1.1628	72.3533	F	F	F	F
	3	1.1628	72.0875	F	F	F	F
THPYR_04_373	1	1.3164	76.9679	F	T	F	F
	2	1.3164	72.4472	F	F	F	F
	3	1.3164	70.9443	F	F	F	F
THPYR_04_377	1	1.0967	71.5807	F	F	F	F
	2	1.0967	70.7432	F	F	F	F
	3	1.0967	68.5452	F	F	F	F
THPYR_04_378	1	1.2537	75.8223	F	F	F	F
	2	1.2537	73.8285	F	F	F	F
	3	1.2537	73.4735	F	F	F	F
THPYR_04_385	1	1.5191	70.6972	F	F	F	F
	2	1.5191	69.9837	F	F	F	F
	3	1.5191	69.3542	F	F	F	F
THPYR_04_386	1	0.7762	80.0522	F	F	F	F
	2	0.7762	79.0277	F	F	F	F
	3	0.7762	78.7319	T	T	T	T
THPYR_04_388	1	1.3449	80.4262	F	F	F	F
	2	1.3449	76.6251	F	F	F	F
	3	1.3449	73.7673	T	T	F	F
THPYR_04_389	1	0.2639	77.3377	F	F	F	F
	2	0.2639	73.9675	F	F	F	F
	3	0.2639	71.1623	F	F	F	F
THPYR_04_394	1	0.2165	86.771	T	T	F	F
	2	0.2165	79.5255	F	F	F	F
	3	0.2165	78.1885	T	T	F	F
THPYR_04_397	1	0.8449	82.0624	T	T	T	T
	2	0.8449	81.2748	T	T	F	F
	3	0.8449	79.1921	T	T	F	F
THPYR_04_398	1	1.6218	81.0318	T	T	F	F
	2	1.6218	80.8846	T	T	F	F
	3	1.6218	78.0314	T	T	F	F
THPYR_04_399	1	0.6009	85.9943	T	T	F	F
	2	0.6009	81.5476	F	F	F	F
	3	0.6009	80.6006	T	T	T	T

THPYR_04_400	1	0.4226	83.4693	F	F	F	F
	2	0.4226	81.771	F	F	F	F
	3	0.4226	78.3841	F	F	F	F
THPYR_04_402	1	0.8796	80.4353	F	F	F	F
	2	0.8796	73.9435	F	F	F	F
	3	0.8796	73.5356	F	F	F	F
THPYR_04_403	1	0.2495	79.4858	F	F	F	F
	2	0.2495	68.3466	F	F	F	F
	3	0.2495	67.1593	F	F	F	F
THPYR_04_407	1	0.1234	86.1339	T	T	F	F
	2	0.1234	79.8183	F	F	F	F
	3	0.1234	75.0882	F	F	F	F
THPYR_04_411	1	0.9596	86.8258	F	F	F	F
	2	0.9596	81.4479	T	T	T	T
	3	0.9596	79.662	F	F	F	F
THPYR_04_412	1	0.8498	85.0751	T	T	F	F
	2	0.8498	84.9158	F	F	F	F
	3	0.8498	84.1551	T	T	T	T
THPYR_04_413	1	0.9253	79.1261	T	T	F	F
	2	0.9253	75.6398	F	F	F	F
	3	0.9253	72.4168	T	T	F	F
THPYR_04_416	1	1.4962	80.5798	F	F	F	F
	2	1.4962	78.0447	F	F	F	F
	3	1.4962	74.908	F	F	F	F
THPYR_04_417	1	1.2604	80.723	F	F	F	F
	2	1.2604	78.0385	F	F	F	F
	3	1.2604	77.4937	T	T	F	F
THPYR_04_418	1	0.7271	77.9773	F	F	F	F
	2	0.7271	73.74	F	F	F	F
	3	0.7271	71.1911	F	F	F	F
THPYR_04_419	1	0.9587	81.2111	T	T	F	F
	2	0.9587	74.2643	F	F	F	F
	3	0.9587	72.6663	F	F	F	F
THPYR_04_420	1	0.3683	80.0612	T	T	F	F
	2	0.3683	79.8777	T	T	F	F
	3	0.3683	77.2575	F	F	F	F
THPYR_04_426	1	0.4376	74.8915	F	F	F	F
	2	0.4376	74.0418	F	F	F	F
	3	0.4376	71.5473	F	F	F	F
THPYR_04_427	1	0.6003	83.2033	F	F	F	F
	2	0.6003	75.3274	F	F	F	F
	3	0.6003	75.0945	F	F	F	F
THPYR_04_428	1	0.5416	82.8332	T	T	F	F
	2	0.5416	80.6036	F	F	F	F
	3	0.5416	79.0941	F	F	F	F

THPYR_04_429	1	0.9694	78.9205	F	F	F	F
	2	0.9694	76.8728	F	F	F	F
	3	0.9694	76.5548	F	F	F	F
THPYR_04_430	1	0.8722	79.764	T	T	F	F
	2	0.8722	78.4175	T	T	F	F
	3	0.8722	74.388	T	T	T	T
THPYR_05_001	1	1.2776	79.3693	F	F	F	F
	2	1.2776	75.8244	F	T	F	F
	3	1.2776	73.6783	F	F	F	F
THPYR_05_002	1	0.1285	78.8135	F	T	F	F
	2	0.1285	77.8307	F	F	F	F
	3	0.1285	73.9373	T	T	F	F
THPYR_05_009	1	0.2442	88.0619	T	T	F	F
	2	0.2442	78.7391	T	T	T	T
	3	0.2442	78.4933	F	F	F	F
THPYR_05_015	1	1.1923	82.2593	T	T	T	T
	2	1.1923	77.1022	F	F	F	F
	3	1.1923	74.2378	F	F	F	F
THPYR_05_016	1	0.5596	81.8489	F	F	F	F
	2	0.5596	79.2636	T	T	F	F
	3	0.5596	78.4889	T	T	F	F
THPYR_05_017	1	0.842	77.1715	T	T	F	F
	2	0.842	72.9699	T	T	F	F
	3	0.842	72.5084	F	T	F	F
THPYR_05_037	1	0.7495	75.9106	F	F	F	F
	2	0.7495	75.0256	F	F	F	F
	3	0.7495	72.4179	F	F	F	F
THPYR_05_038	1	1.1122	82.7612	T	T	F	F
	2	1.1122	78.9817	F	F	F	F
	3	1.1122	74.8485	F	F	F	F
THPYR_05_039	1	0.2336	79.3341	F	F	F	F
	2	0.2336	68.6343	F	F	F	F
	3	0.2336	67.5559	F	F	F	F
THPYR_05_041	1	1.5438	76.0365	T	F	F	F
	2	1.5438	75.0499	T	T	F	F
	3	1.5438	73.9069	T	T	F	F
THPYR_05_047	1	1.3709	79.9876	F	F	F	F
	2	1.3709	77.3124	F	F	F	F
	3	1.3709	75.6494	F	F	F	F
THPYR_05_048	1	0.9605	85.7147	F	F	F	F
	2	0.9605	73.6307	F	F	F	F
	3	0.9605	72.9831	F	F	F	F
THPYR_05_052	1	0.6446	82.48	T	T	F	F
	2	0.6446	78.3145	F	F	F	F
	3	0.6446	77.6806	F	F	F	F

THPYR_05_059	1	1.3568	63.7103	F	F	F	F
	2	1.3568	60.7098	F	F	F	F
	3	1.3568	57.8661	F	F	F	F
THPYR_05_060	1	0.0061	71.21	F	F	F	F
	2	0.0061	69.5721	F	F	F	F
	3	0.0061	66.5126	F	F	F	F
THPYR_05_072	1	0.6961	79.5601	F	F	F	F
	2	0.6961	74.5547	F	F	F	F
	3	0.6961	73.0657	F	F	F	F
THPYR_05_076	1	1.1598	77.8	T	T	F	F
	2	1.1598	75.9227	F	F	F	F
	3	1.1598	75.659	F	F	F	F
THPYR_05_077	1	1.191	74.6659	T	T	F	F
	2	1.191	74.5117	F	F	F	F
	3	1.191	73.185	F	F	F	F
THPYR_05_081	1	0.544	81.3536	F	F	F	F
	2	0.544	72.5275	F	F	F	F
	3	0.544	71.9168	F	F	F	F
THPYR_05_082	1	0.2353	78.1762	F	F	F	F
	2	0.2353	72.101	F	F	F	F
	3	0.2353	70.7067	F	F	F	F
THPYR_05_083	1	0.3326	84.7494	T	T	F	F
	2	0.3326	77.4875	F	F	F	F
	3	0.3326	75.8653	F	F	F	F
THPYR_05_106	1	0.3126	72.9205	F	F	F	F
	2	0.3126	72.27	F	F	F	F
	3	0.3126	71.1949	F	F	F	F
THPYR_05_114	1	1.1918	81.4449	T	T	F	F
	2	1.1918	77.8874	F	F	F	F
	3	1.1918	76.3172	F	F	F	F
THPYR_05_144	1	1.0718	77.8328	F	F	F	F
	2	1.0718	76.4722	F	F	F	F
	3	1.0718	76.3687	T	T	T	T
THPYR_05_146	1	1.5585	76.9011	T	T	T	T
	2	1.5585	73.724	F	F	F	F
	3	1.5585	73.6037	F	F	F	F
THPYR_05_150	1	0.8209	83.6871	F	F	F	F
	2	0.8209	81.9689	T	T	F	F
	3	0.8209	76.8461	F	F	F	F
THPYR_05_152	1	0.3065	75.7176	T	T	F	F
	2	0.3065	75.3515	F	F	F	F
	3	0.3065	74.8703	F	F	F	F
THPYR_05_156	1	0.3144	78.8504	F	F	F	F
	2	0.3144	78.7852	F	F	F	F
	3	0.3144	76.6878	F	T	F	F

THPYR_05_182	1	1.8488	86.0224	F	F	F	F
	2	1.8488	83.5595	T	T	F	F
	3	1.8488	73.8564	F	F	F	F
THPYR_05_185	1	0.9667	79.4273	F	F	F	F
	2	0.9667	74.4912	F	F	F	F
	3	0.9667	73.0355	F	F	F	F
THPYR_05_189	1	1.3113	76.7459	F	F	F	F
	2	1.3113	70.912	F	F	F	F
	3	1.3113	70.7131	F	F	F	F
THPYR_05_214	1	1.7997	80.2022	T	T	F	F
	2	1.7997	74.4565	T	T	F	F
	3	1.7997	73.7136	F	F	F	F
THPYR_05_217	1	1.4672	84.2067	T	T	F	F
	2	1.4672	75.1595	F	F	F	F
	3	1.4672	69.5606	F	F	F	F
THPYR_05_218	1	1.6604	78.1176	F	F	F	F
	2	1.6604	77.6046	F	F	F	F
	3	1.6604	69.7789	F	F	F	F
THPYR_05_220	1	1.1269	79.2545	T	T	F	F
	2	1.1269	77.0026	F	F	F	F
	3	1.1269	75.8365	F	F	F	F
THPYR_05_221	1	0.1204	77.6387	F	F	F	F
	2	0.1204	75.4541	F	F	F	F
	3	0.1204	73.9305	F	F	F	F
THPYR_05_222	1	1.212	79.0897	T	T	F	F
	2	1.212	72.7701	F	F	F	F
	3	1.212	71.0966	F	F	F	F
THPYR_05_223	1	0.973	73.9898	F	F	F	F
	2	0.973	73.0129	F	F	F	F
	3	0.973	72.7861	F	F	F	F
THPYR_05_226	1	0.1566	78.6127	F	F	F	F
	2	0.1566	67.912	F	F	F	F
	3	0.1566	67.1673	T	T	F	F
THPYR_05_227	1	0.1832	70.9287	F	F	F	F
	2	0.1832	70.2615	F	F	F	F
	3	0.1832	69.3345	F	F	F	F
THPYR_05_233	1	0.2405	84.7497	T	T	F	F
	2	0.2405	81.3395	F	T	F	F
	3	0.2405	76.4798	F	F	F	F
THPYR_05_234	1	1.1569	74.9591	F	F	F	F
	2	1.1569	69.0082	F	F	F	F
	3	1.1569	68.5647	F	F	F	F
THPYR_05_237	1	0.3624	81.4222	F	F	F	F
	2	0.3624	70.5913	F	F	F	F
	3	0.3624	70.2642	F	F	F	F

THPYR_05_241	1	1.075	78.4574	T	T	F	F
	2	1.075	77.3509	T	T	F	F
	3	1.075	75.5879	F	F	F	F
THPYR_05_251	1	0.4172	76.4711	F	F	F	F
	2	0.4172	76.0647	F	F	F	F
	3	0.4172	75.2093	F	F	F	F
THPYR_05_252	1	0.4579	73.9324	F	F	F	F
	2	0.4579	73.0852	F	F	F	F
	3	0.4579	69.7034	T	T	F	F
THPYR_05_253	1	1.5996	80.4663	T	T	F	F
	2	1.5996	75.683	T	T	F	F
	3	1.5996	74.7682	F	F	F	F
THPYR_05_267	1	1.129	76.5285	F	F	F	F
	2	1.129	75.2739	F	F	F	F
	3	1.129	74.6074	F	F	F	F
THPYR_05_274	1	1.6014	75.5866	F	F	F	F
	2	1.6014	74.3279	F	F	F	F
	3	1.6014	71.4105	F	F	F	F
THPYR_05_276	1	0.2068	75.4476	F	F	F	F
	2	0.2068	69.5938	T	T	F	F
	3	0.2068	67.4554	F	F	F	F
THPYR_05_278	1	0.2782	82.169	T	T	F	F
	2	0.2782	78.7837	T	T	F	F
	3	0.2782	74.7435	F	F	F	F
THPYR_05_279	1	0.3245	85.3343	F	F	F	F
	2	0.3245	72.4269	F	F	F	F
	3	0.3245	72.1745	F	F	F	F
THPYR_05_294	1	1.0641	82.4036	T	T	F	F
	2	1.0641	75.7244	F	F	F	F
	3	1.0641	74.1026	F	F	F	F
THPYR_05_297	1	1.1604	81.7452	F	F	F	F
	2	1.1604	78.8349	F	F	F	F
	3	1.1604	78.1952	F	F	F	F
THPYR_05_303	1	0.5246	74.4622	F	F	F	F
	2	0.5246	72.3463	F	F	F	F
	3	0.5246	71.9871	F	F	F	F
THPYR_05_304	1	0.455	86.6417	T	T	F	F
	2	0.455	85.3497	T	T	F	F
	3	0.455	76.7197	F	F	F	F
THPYR_05_310	1	0.3827	82.4074	T	T	F	F
	2	0.3827	78.399	T	T	F	F
	3	0.3827	72.6336	T	T	F	F
THPYR_05_315	1	0.6249	77.1641	F	F	F	F
	2	0.6249	73.031	F	F	F	F
	3	0.6249	71.8546	F	F	F	F

THPYR_05_325	1	1.2549	78.7387	T	T	F	F
	2	1.2549	74.5237	F	F	F	F
	3	1.2549	74.5167	F	F	F	F
THPYR_05_329	1	0.5682	81.902	F	F	F	F
	2	0.5682	79.4248	F	F	F	F
	3	0.5682	76.0285	F	F	F	F
THPYR_05_331	1	1.8471	76.6526	T	T	F	F
	2	1.8471	76.5097	T	T	F	F
	3	1.8471	75.0495	T	T	F	F
THPYR_05_341	1	1.4696	71.2992	F	F	F	F
	2	1.4696	67.9186	F	F	F	F
	3	1.4696	67.2195	F	F	F	F
THPYR_05_342	1	0.2938	82.7763	T	T	F	F
	2	0.2938	81.2008	T	T	F	F
	3	0.2938	73.3548	F	F	F	F
THPYR_05_343	1	0.2259	75.3654	F	F	F	F
	2	0.2259	72.2129	F	F	F	F
	3	0.2259	71.17	F	F	F	F
THPYR_05_344	1	1.6319	73.3766	F	F	F	F
	2	1.6319	72.5008	F	F	F	F
	3	1.6319	66.922	F	F	F	F
THPYR_05_346	1	1.8958	68.646	F	F	F	F
	2	1.8958	68.2494	F	F	F	F
	3	1.8958	68.0807	F	F	F	F
THPYR_05_347	1	1.4921	80.4331	F	F	F	F
	2	1.4921	78.1028	T	F	F	F
	3	1.4921	77.8387	T	T	F	F
THPYR_05_348	1	0.6498	79.3901	F	F	F	F
	2	0.6498	77.8514	F	F	F	F
	3	0.6498	74.0975	F	F	F	F
THPYR_05_349	1	0.3464	83.2471	F	F	F	F
	2	0.3464	82.5684	T	T	F	F
	3	0.3464	80.9227	T	T	F	F
THPYR_05_351	1	0.2686	80.2469	T	T	F	F
	2	0.2686	74.5143	F	F	F	F
	3	0.2686	73.3876	F	F	F	F
THPYR_05_352	1	1.3173	77.738	T	T	F	F
	2	1.3173	74.5965	F	F	F	F
	3	1.3173	74.4435	F	F	F	F
THPYR_05_355	1	0.183	74.7545	F	F	F	F
	2	0.183	73.8299	F	F	F	F
	3	0.183	72.2413	F	F	F	F
THPYR_05_365	1	0.8584	87.5849	T	T	F	F
	2	0.8584	84.9995	T	T	F	F
	3	0.8584	83.3387	T	T	F	F

THPYR_05_371	1	0.1083	81.7419	T	T	F	F
	2	0.1083	73.8846	F	F	F	F
	3	0.1083	73.5891	F	F	F	F
THPYR_05_372	1	0.973	79.355	F	F	F	F
	2	0.973	74.3537	F	F	F	F
	3	0.973	72.656	F	F	F	F
THPYR_05_373	1	1.4191	78.439	F	F	F	F
	2	1.4191	70.0963	F	F	F	F
	3	1.4191	68.2332	F	F	F	F
THPYR_05_377	1	1.3222	72.5139	F	F	F	F
	2	1.3222	71.1689	F	F	F	F
	3	1.3222	70.6083	F	F	F	F
THPYR_05_378	1	1.4488	74.7105	F	F	F	F
	2	1.4488	74.6685	F	F	F	F
	3	1.4488	73.8799	F	F	F	F
THPYR_05_385	1	1.2951	73.301	F	T	F	F
	2	1.2951	73.1336	F	F	F	F
	3	1.2951	70.1468	F	F	F	F
THPYR_05_386	1	0.6431	75.4728	F	F	F	F
	2	0.6431	74.508	T	T	F	F
	3	0.6431	73.7865	F	F	F	F
THPYR_05_388	1	1.3268	79.4443	T	T	F	F
	2	1.3268	79.3316	F	F	F	F
	3	1.3268	77.0104	F	F	F	F
THPYR_05_389	1	0.207	72.2291	F	F	F	F
	2	0.207	71.6093	F	F	F	F
	3	0.207	70.8948	F	F	F	F
THPYR_05_394	1	0.1882	80.9608	F	F	F	F
	2	0.1882	74.691	F	F	F	F
	3	0.1882	74.4163	F	F	F	F
THPYR_05_397	1	0.8091	80.3175	T	T	F	F
	2	0.8091	80.209	F	F	F	F
	3	0.8091	77.347	F	F	F	F
THPYR_05_398	1	1.6203	78.7688	T	T	F	F
	2	1.6203	77.7937	T	T	F	F
	3	1.6203	76.2805	F	F	F	F
THPYR_05_399	1	0.6053	87.1984	T	T	T	T
	2	0.6053	82.903	F	F	F	F
	3	0.6053	80.1576	T	T	F	F
THPYR_05_400	1	0.4708	78.8457	T	T	T	T
	2	0.4708	73.8633	F	F	F	F
	3	0.4708	73.659	F	F	F	F
THPYR_05_402	1	0.7178	78.7783	F	F	F	F
	2	0.7178	76.4952	F	F	F	F
	3	0.7178	75.7872	F	F	F	F

THPYR_05_403	1	0.3065	79.4925	F	F	F	F
	2	0.3065	77.1345	T	T	F	F
	3	0.3065	73.8694	F	F	F	F
THPYR_05_407	1	0.1565	84.2647	T	T	F	F
	2	0.1565	78.3903	F	F	F	F
	3	0.1565	74.022	F	F	F	F
THPYR_05_411	1	0.5238	74.9771	F	F	F	F
	2	0.5238	74.7935	F	F	F	F
	3	0.5238	72.0687	F	F	F	F
THPYR_05_412	1	1.6478	84.6545	T	T	T	T
	2	1.6478	81.5754	T	T	F	F
	3	1.6478	81.165	F	F	F	F
THPYR_05_413	1	1.3155	78.2129	F	F	F	F
	2	1.3155	77.281	T	T	F	F
	3	1.3155	76.6442	T	T	F	F
THPYR_05_415	1	1.5129	81.2389	F	F	F	F
	2	1.5129	75.8149	F	F	F	F
	3	1.5129	74.956	F	F	F	F
THPYR_05_416	1	0.9815	82.0212	F	F	F	F
	2	0.9815	72.2249	T	T	F	F
	3	0.9815	71.9075	F	F	F	F
THPYR_05_417	1	0.7506	83.8966	F	F	F	F
	2	0.7506	73.7401	T	T	F	F
	3	0.7506	72.3362	F	F	F	F
THPYR_05_418	1	0.5708	77.0637	F	F	F	F
	2	0.5708	76.2603	F	F	F	F
	3	0.5708	70.6084	F	F	F	F
THPYR_05_419	1	0.9784	80.8298	F	F	F	F
	2	0.9784	79.5874	F	F	F	F
	3	0.9784	75.5652	F	F	F	F
THPYR_05_420	1	0.2897	83.924	T	T	T	T
	2	0.2897	80.5637	T	T	F	F
	3	0.2897	73.965	F	F	F	F
THPYR_05_426	1	0.8829	82.8678	F	F	F	F
	2	0.8829	82.4292	F	F	F	F
	3	0.8829	79.8549	F	F	F	F
THPYR_05_427	1	0.5438	82.2765	F	F	F	F
	2	0.5438	79.7933	F	F	F	F
	3	0.5438	79.3582	F	F	F	F
THPYR_05_428	1	0.4644	79.699	F	F	F	F
	2	0.4644	76.8126	F	F	F	F
	3	0.4644	74.383	T	F	F	F
THPYR_05_429	1	1.0106	78.2794	F	T	F	F
	2	1.0106	77.4905	F	F	F	F
	3	1.0106	76.017	F	F	F	F

THPYR_05_430	1	0.9632	83.0912	F	F	F	F
	2	0.9632	80.4822	T	T	F	F
	3	0.9632	78.0981	T	T	F	F
THPYR_06_001	1	1.3474	84.7731	F	T	F	F
	2	1.3474	83.8821	T	T	F	F
	3	1.3474	82.2495	F	F	F	F
THPYR_06_002	1	0.3479	80.8504	F	F	F	F
	2	0.3479	80.0378	F	F	F	F
	3	0.3479	79.7029	F	F	F	F
THPYR_06_009	1	0.2782	86.4204	T	T	F	F
	2	0.2782	78.7271	F	F	F	F
	3	0.2782	76.0568	F	F	F	F
THPYR_06_016	1	0.3479	81.9815	T	T	F	F
	2	0.3479	79.8159	F	F	F	F
	3	0.3479	79.3961	F	F	F	F
THPYR_06_017	1	0.8054	81.7181	T	T	T	T
	2	0.8054	79.9349	T	T	T	T
	3	0.8054	75.148	T	T	F	F
THPYR_06_037	1	0.7898	82.7751	T	T	F	F
	2	0.7898	78.5305	F	F	F	F
	3	0.7898	76.091	F	F	F	F
THPYR_06_038	1	1.2128	82.8524	T	T	F	F
	2	1.2128	79.3115	T	T	F	F
	3	1.2128	78.3088	F	F	F	F
THPYR_06_039	1	0.2153	84.518	T	T	T	T
	2	0.2153	77.4571	T	T	F	F
	3	0.2153	76.2539	F	F	F	F
THPYR_06_041	1	1.6788	79.6833	T	T	F	F
	2	1.6788	77.4767	T	T	F	F
	3	1.6788	77.1388	F	F	F	F
THPYR_06_047	1	1.5838	76.436	F	F	F	F
	2	1.5838	73.3285	F	F	F	F
	3	1.5838	72.5097	T	T	F	F
THPYR_06_048	1	0.8162	80.4348	F	F	F	F
	2	0.8162	76.2447	F	F	F	F
	3	0.8162	74.1557	F	F	F	F
THPYR_06_052	1	1.328	81.8308	T	T	F	F
	2	1.328	80.0762	F	F	F	F
	3	1.328	77.6853	T	T	T	T
THPYR_06_059	1	1.2921	64.5616	F	F	F	F
	2	1.2921	62.6645	F	F	F	F
	3	1.2921	62.1244	F	F	F	F
THPYR_06_060	1	0.0052	83.1737	T	T	F	F
	2	0.0052	77.8102	T	T	F	F
	3	0.0052	74.9722	F	F	F	F

THPYR_06_061	1	0.9382	84.288	T	T	F	F
	2	0.9382	79.9768	T	T	F	F
	3	0.9382	68.9302	F	F	F	F
THPYR_06_072	1	1.5321	74.8723	F	F	F	F
	2	1.5321	74.1423	F	F	F	F
	3	1.5321	72.9932	F	F	F	F
THPYR_06_076	1	1.1625	80.7426	T	T	F	F
	2	1.1625	77.7477	F	F	F	F
	3	1.1625	76.3536	T	T	F	F
THPYR_06_077	1	1.8026	77.8557	F	F	F	F
	2	1.8026	77.1415	F	F	F	F
	3	1.8026	76.3043	F	F	F	F
THPYR_06_081	1	0.4776	75.5429	T	T	F	F
	2	0.4776	74.7041	T	T	T	T
	3	0.4776	70.1519	F	F	F	F
THPYR_06_082	1	0.1201	82.1898	T	T	T	T
	2	0.1201	80.2549	T	T	F	F
	3	0.1201	77.9085	F	F	F	F
THPYR_06_083	1	0.4725	78.134	T	T	F	F
	2	0.4725	76.4229	T	T	F	F
	3	0.4725	73.9678	F	F	F	F
THPYR_06_106	1	0.2446	84.9788	T	T	F	F
	2	0.2446	81.2288	T	T	F	F
	3	0.2446	80.1665	T	T	T	T
THPYR_06_114	1	1.2266	83.1618	F	F	F	F
	2	1.2266	80.8272	F	F	F	F
	3	1.2266	80.3027	F	F	F	F
THPYR_06_150	1	0.5289	86.637	T	F	F	F
	2	0.5289	83.3841	F	F	F	F
	3	0.5289	80.324	F	F	F	F
THPYR_06_152	1	0.2844	83.3492	F	F	F	F
	2	0.2844	83.3199	F	F	F	F
	3	0.2844	82.909	F	F	F	F
THPYR_06_156	1	0.1878	79.7853	F	T	F	F
	2	0.1878	76.4312	F	F	F	F
	3	0.1878	74.8733	F	F	F	F
THPYR_06_185	1	0.9022	84.0922	T	T	T	T
	2	0.9022	81.9418	T	T	T	T
	3	0.9022	77.8669	F	F	F	F
THPYR_06_189	1	1.7262	83.0529	F	F	F	F
	2	1.7262	81.5504	T	T	F	F
	3	1.7262	79.3707	T	T	T	T
THPYR_06_217	1	0.3111	85.969	T	T	F	F
	2	0.3111	79.5657	F	F	F	F
	3	0.3111	74.575	F	F	F	F

THPYR_06_220	1	1.7266	76.8425	F	F	F	F
	2	1.7266	75.3911	T	T	T	T
	3	1.7266	75.1146	F	F	F	F
THPYR_06_221	1	0.187	88.4317	T	T	F	F
	2	0.187	85.1467	T	T	F	F
	3	0.187	84.807	T	T	F	F
THPYR_06_222	1	1.0462	78.5376	T	T	F	F
	2	1.0462	77.0523	F	F	F	F
	3	1.0462	75.9726	F	F	F	F
THPYR_06_223	1	0.863	81.8082	T	T	F	F
	2	0.863	74.5945	F	F	F	F
	3	0.863	73.9747	F	F	F	F
THPYR_06_226	1	0.1395	83.5241	T	T	F	F
	2	0.1395	74.1141	F	F	F	F
	3	0.1395	72.2148	T	T	F	F
THPYR_06_227	1	0.1729	73.7312	F	F	F	F
	2	0.1729	73.6101	F	F	F	F
	3	0.1729	71.849	F	F	F	F
THPYR_06_233	1	0.1352	87.725	F	F	F	F
	2	0.1352	84.1461	F	F	F	F
	3	0.1352	82.5494	F	F	F	F
THPYR_06_234	1	1.0812	75.1393	F	F	F	F
	2	1.0812	73.6158	T	F	F	F
	3	1.0812	71.263	T	T	F	F
THPYR_06_237	1	0.1769	87.7789	T	T	F	F
	2	0.1769	75.691	F	F	F	F
	3	0.1769	73.3435	F	F	F	F
THPYR_06_241	1	0.9462	81.1416	F	F	F	F
	2	0.9462	80.5139	F	F	F	F
	3	0.9462	78.865	T	T	F	F
THPYR_06_248	1	1.1918	72.4258	T	T	F	F
	2	1.1918	67.4207	F	F	F	F
	3	1.1918	65.5483	F	F	F	F
THPYR_06_249	1	1.7183	83.1119	T	T	T	T
	2	1.7183	82.4743	T	T	F	F
	3	1.7183	80.9725	T	T	T	T
THPYR_06_251	1	0.2808	82.1225	T	T	F	F
	2	0.2808	76.6354	T	T	F	F
	3	0.2808	75.3122	F	F	F	F
THPYR_06_252	1	0.3575	84.2579	F	F	F	F
	2	0.3575	83.3072	T	T	F	F
	3	0.3575	82.971	T	T	F	F
THPYR_06_254	1	1.9253	81.4828	T	T	T	T
	2	1.9253	79.9065	T	T	F	F
	3	1.9253	78.1993	T	T	F	F

THPYR_06_267	1	1.1735	84.5299	T	T	F	F
	2	1.1735	81.7604	F	F	F	F
	3	1.1735	81.2966	F	F	F	F
THPYR_06_274	1	0.869	74.1489	F	F	F	F
	2	0.869	73.0005	F	F	F	F
	3	0.869	70.4138	F	F	F	F
THPYR_06_275	1	1.9616	80.2568	T	T	F	F
	2	1.9616	79.3351	T	T	F	F
	3	1.9616	77.7879	F	F	F	F
THPYR_06_276	1	0.3475	80.1465	T	T	F	F
	2	0.3475	73.3251	F	F	F	F
	3	0.3475	71.692	T	T	F	F
THPYR_06_278	1	0.2102	85.671	T	T	F	F
	2	0.2102	76.5519	F	F	F	F
	3	0.2102	75.6879	T	T	T	T
THPYR_06_279	1	0.4661	78.6186	F	F	F	F
	2	0.4661	73.1541	F	F	F	F
	3	0.4661	72.082	F	F	F	F
THPYR_06_281	1	1.7037	87.4444	F	F	F	F
	2	1.7037	82.0428	T	T	F	F
	3	1.7037	81.9871	T	T	F	F
THPYR_06_294	1	1.4002	80.1771	T	T	F	F
	2	1.4002	76.2286	T	T	F	F
	3	1.4002	74.3334	T	T	F	F
THPYR_06_295	1	1.6604	79.8097	T	T	F	F
	2	1.6604	76.9403	F	F	F	F
	3	1.6604	73.0509	F	F	F	F
THPYR_06_297	1	0.9281	84.3406	T	T	F	F
	2	0.9281	83.863	F	F	F	F
	3	0.9281	80.8826	T	T	F	F
THPYR_06_301	1	0.9082	82.745	F	F	F	F
	2	0.9082	79.8575	T	T	F	F
	3	0.9082	79.5319	T	T	F	F
THPYR_06_303	1	0.5055	86.0226	T	T	F	F
	2	0.5055	80.462	T	T	F	F
	3	0.5055	71.1711	F	F	F	F
THPYR_06_304	1	0.4226	79.8663	F	F	F	F
	2	0.4226	79.1609	T	T	F	F
	3	0.4226	77.8117	F	F	F	F
THPYR_06_310	1	0.3272	82.3165	F	F	F	F
	2	0.3272	80.2455	F	F	F	F
	3	0.3272	79.9595	F	T	F	F
THPYR_06_315	1	0.4861	89.3782	T	T	F	F
	2	0.4861	84.6855	F	T	F	F
	3	0.4861	82.2969	F	F	F	F

THPYR_06_325	1	1.3335	80.5971	T	T	F	F
	2	1.3335	78.9032	F	F	F	F
	3	1.3335	75.6688	T	F	F	F
THPYR_06_329	1	0.6728	84.6484	T	T	T	T
	2	0.6728	77.8231	T	T	F	F
	3	0.6728	73.5446	F	F	F	F
THPYR_06_341	1	0.7506	74.9864	F	F	F	F
	2	0.7506	73.5226	F	F	F	F
	3	0.7506	73.0598	F	F	F	F
THPYR_06_342	1	0.1965	79.0217	F	F	F	F
	2	0.1965	78.5107	F	F	F	F
	3	0.1965	73.7905	F	F	F	F
THPYR_06_343	1	0.1753	84.5283	F	F	F	F
	2	0.1753	84.2298	T	T	F	F
	3	0.1753	76.1615	T	T	F	F
THPYR_06_347	1	0.7042	80.4709	T	T	F	F
	2	0.7042	79.9903	T	T	F	F
	3	0.7042	77.3173	T	T	F	F
THPYR_06_348	1	0.5353	82.483	T	T	F	F
	2	0.5353	81.9559	T	T	F	F
	3	0.5353	78.8814	T	T	F	F
THPYR_06_349	1	0.6041	84.4899	F	F	F	F
	2	0.6041	82.6659	T	T	F	F
	3	0.6041	77.3546	F	F	F	F
THPYR_06_351	1	0.273	83.6118	F	F	F	F
	2	0.273	80.7775	F	F	F	F
	3	0.273	79.1066	F	F	F	F
THPYR_06_352	1	1.0554	81.0235	T	T	F	F
	2	1.0554	80.8727	T	T	F	F
	3	1.0554	77.2373	T	T	F	F
THPYR_06_355	1	0.2092	85.5753	T	F	F	F
	2	0.2092	85.209	T	T	F	F
	3	0.2092	80.8006	F	F	F	F
THPYR_06_365	1	1.2871	84.3489	F	F	F	F
	2	1.2871	81.9706	T	T	F	F
	3	1.2871	81.9157	T	T	F	F
THPYR_06_371	1	0.1604	85.7483	F	T	F	F
	2	0.1604	81.5381	T	T	F	F
	3	0.1604	78.2816	F	F	F	F
THPYR_06_373	1	1.5125	80.7255	T	F	F	F
	2	1.5125	77.1669	F	F	F	F
	3	1.5125	76.1723	F	F	F	F
THPYR_06_377	1	0.633	77.8948	T	T	F	F
	2	0.633	75.6959	F	F	F	F
	3	0.633	72.6653	F	F	F	F

THPYR_06_385	1	1.8863	82.4997	F	F	F	F
	2	1.8863	81.7344	T	T	F	F
	3	1.8863	80.7625	F	F	F	F
THPYR_06_386	1	0.5253	89.5506	T	T	T	T
	2	0.5253	83.5015	T	T	F	F
	3	0.5253	82.4504	F	F	F	F
THPYR_06_388	1	1.1841	80.0245	T	T	F	F
	2	1.1841	79.8684	T	T	F	F
	3	1.1841	79.4925	F	F	F	F
THPYR_06_389	1	1.0529	75.9045	F	F	F	F
	2	1.0529	73.2801	F	F	F	F
	3	1.0529	73.1275	F	F	F	F
THPYR_06_394	1	0.1072	83.2681	T	T	F	F
	2	0.1072	81.7872	T	T	T	T
	3	0.1072	81.2914	T	T	F	F
THPYR_06_395	1	1.9275	64.977	T	T	F	F
	2	1.9275	63.0948	F	F	F	F
	3	1.9275	62.1735	T	T	F	F
THPYR_06_397	1	0.7887	87.1892	T	T	T	T
	2	0.7887	86.8873	T	T	T	T
	3	0.7887	85.987	T	T	T	T
THPYR_06_399	1	0.525	87.7837	T	T	F	F
	2	0.525	84.0358	T	T	T	T
	3	0.525	78.8361	F	F	F	F
THPYR_06_400	1	0.4884	83.8103	F	F	F	F
	2	0.4884	81.6154	T	T	F	F
	3	0.4884	78.0393	F	F	F	F
THPYR_06_402	1	1.0252	82.1505	T	T	F	F
	2	1.0252	80.4486	T	T	F	F
	3	1.0252	79.1262	F	F	F	F
THPYR_06_403	1	0.235	82.4529	F	F	F	F
	2	0.235	75.1217	F	F	F	F
	3	0.235	74.8834	F	F	F	F
THPYR_06_407	1	0.1632	84.0128	T	T	T	T
	2	0.1632	80.4144	F	F	F	F
	3	0.1632	76.4604	T	T	F	F
THPYR_06_411	1	0.8863	90.4912	T	T	F	F
	2	0.8863	87.7785	F	F	F	F
	3	0.8863	87.0417	T	T	T	T
THPYR_06_412	1	1.7898	86.8528	T	T	F	F
	2	1.7898	85.7006	T	T	T	T
	3	1.7898	82.7839	F	F	F	F
THPYR_06_413	1	0.9703	81.779	T	T	F	F
	2	0.9703	79.4556	F	F	F	F
	3	0.9703	77.3443	F	F	F	F

THPYR_06_416	1	0.8549	80.3755	T	T	F	F
	2	0.8549	79.3782	T	T	F	F
	3	0.8549	78.6823	T	T	F	F
THPYR_06_417	1	0.7567	85.7557	T	T	F	F
	2	0.7567	81.2265	T	T	F	F
	3	0.7567	78.5535	F	F	F	F
THPYR_06_418	1	0.6276	85.9435	T	T	F	F
	2	0.6276	79.2918	F	F	F	F
	3	0.6276	77.4449	F	F	F	F
THPYR_06_419	1	1.409	87.1351	T	T	F	F
	2	1.409	85.0523	T	T	F	F
	3	1.409	78.2307	F	F	F	F
THPYR_06_420	1	0.4956	83.9992	F	F	F	F
	2	0.4956	80.2892	T	T	T	T
	3	0.4956	78.3272	T	T	T	T
THPYR_06_426	1	0.8166	84.4617	T	T	F	F
	2	0.8166	83.247	T	T	F	F
	3	0.8166	77.6091	F	F	F	F
THPYR_06_427	1	0.9833	85.0621	F	F	F	F
	2	0.9833	81.8084	F	F	F	F
	3	0.9833	78.605	F	F	F	F
THPYR_06_428	1	0.8033	84.9712	T	T	F	F
	2	0.8033	84.0224	T	T	F	F
	3	0.8033	80.9752	T	T	T	T
THPYR_06_430	1	1.1744	84.0245	T	T	T	T
	2	1.1744	81.0164	F	F	F	F
	3	1.1744	80.7378	F	F	F	F

Legend	
GSF	GOLDScore Fitness Function
VO	Visual Orientation
VF	Visual Fitness
NMPF	Number of Matching Pharmacophoric Features

Table S5. The results obtained after Level 2 Boolean-based (T/F (true/false)) clustering (Score based clustering) of the (T)-signed combinatorially-generated drug-like NBTI binding poses (NBTI_{combi}) from Level 1 for the constructed *gyrA* mutant models: a) WT, b) D83G_{mod}, c) D83N_{mod}, d) M121K_{mod}, e) D83G+M121K_{mod}, and f) D83N+M121K_{mod}.

a) WT

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_01_395	1	1.5707	54.2916	F	F	F
OXBC_02_016	3	0.4034	67.0055	F	F	F
OXBC_02_114	1	0.7967	69.6152	F	F	F
OXBC_02_184	1	1.9902	70.3257	T	T	T
OXBC_02_254	2	1.0812	68.3456	F	F	F
	3	1.0812	68.1709	F	F	F
OXBC_02_284	1	1.5325	69.776	F	F	F
	2	1.5325	68.1664	F	F	F
THIND_03_131	3	0.5055	63.1754	F	F	F
THIND_07_023	2	1.2682	57.5036	F	F	F
THIND_07_176	1	0.7963	57.8762	F	F	F
THIND_08_113	1	1.9244	52.0002	F	F	F
THIND_09_179	2	1.3999	82.4136	T	T	T
THIND_14_182	1	1.3415	66.8833	F	F	F
THIND_15_030	1	0.5045	53.5824	F	F	F
THIND_15_122	3	1.4161	53.5512	F	F	F
THIND_16_112	2	0.8831	76.4019	T	T	T
THIND_16_124	2	0.6086	75.7891	T	T	T
THPYR_01_185	2	1.6368	76.5895	T	T	T
THPYR_01_329	2	0.6343	76.625	T	T	T
THPYR_01_420	1	0.6811	84.7284	T	T	T
	2	0.6811	80.1805	T	F	F
THPYR_02_002	1	0.8239	81.7449	T	T	T
THPYR_02_009	1	1.2882	80.0888	T	T	T
THPYR_02_060	1	0.4382	78.2523	T	T	T
THPYR_02_148	1	1.1698	88.0801	T	T	T
THPYR_02_219	2	1.8005	71.2148	T	T	T
THPYR_02_420	3	1.3684	78.6335	T	T	T
THPYR_03_009	3	1.3384	82.217	T	T	T
THPYR_03_029	1	1.0563	76.817	T	T	T
THPYR_03_076	2	1.9191	77.5628	T	T	T
THPYR_03_081	1	0.9929	85.7147	T	T	T
THPYR_03_082	2	0.5311	85.0405	T	T	T
THPYR_03_114	2	1.8446	77.3327	T	T	T
THPYR_03_156	1	1.8552	82.5627	T	T	T
THPYR_03_222	1	1.9783	77.1357	T	T	T

	2	1.9783	75.33	T	F	F
THPYR_03_223	2	1.5314	75.2473	T	T	T
THPYR_03_316	1	0.4337	77.4417	T	T	T
THPYR_03_407	1	0.756	86.257	T	T	T
THPYR_03_420	1	1.6155	87.5693	T	T	T
THPYR_04_001	1	1.0877	83.8422	T	T	T
THPYR_04_009	1	0.3174	87.2507	T	T	T
THPYR_04_016	2	0.4367	74.657	T	T	T
THPYR_04_059	1	1.3176	62.5229	F	F	F
THPYR_04_076	1	1.1148	81.0642	T	T	T
	2	1.1148	79.611	F	F	F
	3	1.1148	77.6079	F	F	F
THPYR_04_077	1	1.5535	81.7831	T	T	T
THPYR_04_082	1	0.263	84.0801	T	T	T
THPYR_04_083	2	0.3479	81.4041	T	T	T
THPYR_04_114	2	1.1374	77.1725	T	T	T
THPYR_04_185	1	0.8188	82.9938	T	T	T
THPYR_04_205	1	1.9055	77.9673	T	T	T
THPYR_04_222	1	1.0755	79.1615	T	T	T
THPYR_04_223	2	0.808	78.8363	T	T	T
THPYR_04_241	1	0.8285	77.5472	T	T	T
THPYR_04_252	1	0.4094	78.6591	T	T	T
THPYR_04_325	1	1.2612	79.8848	T	T	T
THPYR_04_331	1	1.7474	72.9185	T	T	T
THPYR_04_365	2	0.6769	80.9307	T	T	T
THPYR_04_385	2	1.5191	69.8576	F	F	F
THPYR_04_386	1	0.7762	82.2209	T	T	T
THPYR_04_398	3	1.6218	78.5435	T	T	T
THPYR_04_399	1	0.6009	84.3223	T	T	T
	2	0.6009	82.0737	T	F	F
THPYR_04_412	1	0.8498	85.3595	T	T	T
THPYR_04_420	1	0.3683	87.6105	T	T	T
THPYR_04_428	1	0.5416	83.136	T	T	T
THPYR_05_009	2	0.2442	79.9254	T	T	T
THPYR_05_016	1	0.5596	77.4933	T	T	T
THPYR_05_039	1	0.2336	80.4517	T	T	T
THPYR_05_041	1	1.5438	72.6777	T	T	T
THPYR_05_076	1	1.1598	81.6365	T	T	T
THPYR_05_077	1	1.191	81.0402	T	T	T
THPYR_05_081	1	0.544	83.8129	T	T	T
THPYR_05_082	1	0.2353	85.9608	T	T	T
	3	0.2353	76.4284	T	F	F
THPYR_05_106	1	0.3126	81.2587	T	T	T
	2	0.3126	80.0889	T	F	F
THPYR_05_114	1	1.1918	82.6904	T	T	T

THPYR_05_150	1	0.8209	82.3133	T	T	T
THPYR_05_214	2	1.7997	75.3975	T	T	T
THPYR_05_223	1	0.973	78.5437	T	T	T
THPYR_05_303	3	0.5246	72.7567	T	T	T
THPYR_05_304	2	0.455	79.1776	T	T	T
THPYR_05_325	2	1.2549	76.2297	T	T	T
THPYR_05_329	2	0.5682	76.5465	T	T	T
THPYR_05_331	1	1.8471	75.2639	T	T	T
THPYR_05_344	1	1.6319	71.4796	T	T	T
THPYR_05_352	2	1.3173	75.6946	T	T	T
	3	1.3173	75.2875	T	F	F
THPYR_05_377	1	1.3222	77.0702	T	T	T
THPYR_05_397	1	0.8091	81.6179	T	T	T
THPYR_05_407	2	0.1565	86.24	T	T	T
THPYR_05_418	1	0.5708	78.9653	T	T	T
THPYR_05_426	2	0.8829	70.4508	T	T	T
THPYR_05_428	2	0.4644	76.9167	T	T	T
THPYR_06_002	1	0.3479	82.8522	T	T	T
THPYR_06_009	1	0.2782	94.7786	T	T	T
THPYR_06_016	3	0.3479	78.6581	T	T	T
THPYR_06_039	3	0.2153	73.1163	T	T	T
THPYR_06_052	3	1.328	80.367	T	T	T
THPYR_06_059	1	1.2921	70.418	T	T	T
	3	1.2921	62.4408	F	F	F
THPYR_06_060	1	0.0052	76.5931	T	T	T
THPYR_06_076	1	1.1625	82.2363	T	T	T
THPYR_06_077	1	1.8026	83.3648	T	T	T
THPYR_06_081	1	0.4776	86.3322	T	T	T
THPYR_06_082	1	0.1201	86.5009	T	T	T
	3	0.1201	78.6197	T	F	F
THPYR_06_083	2	0.4725	75.9263	T	T	T
THPYR_06_106	2	0.2446	79.6506	T	T	T
THPYR_06_114	1	1.2266	81.9387	T	T	T
	3	1.2266	79.4268	T	F	F
THPYR_06_150	1	0.5289	83.4533	T	T	T
THPYR_06_152	1	0.2844	78.4464	T	T	T
THPYR_06_156	1	0.1878	85.4024	T	T	T
	3	0.1878	79.6653	T	F	F
THPYR_06_185	1	0.9022	83.8079	T	T	T
	2	0.9022	82.839	T	F	F
THPYR_06_189	1	1.7262	82.1119	T	T	T
THPYR_06_220	1	1.7266	86.4004	T	T	T
	2	1.7266	80.2584	T	F	F
THPYR_06_222	1	1.0462	79.4032	T	T	T
THPYR_06_223	2	0.863	78.7842	T	T	T

	3	0.863	78.0054	T	F	F
THPYR_06_227	2	0.1729	77.7412	T	T	T
THPYR_06_249	1	1.7183	82.5691	T	T	T
	2	1.7183	81.2545	T	F	F
THPYR_06_251	1	0.2808	82.0011	T	T	T
THPYR_06_267	1	1.1735	78.2317	T	T	T
THPYR_06_275	2	1.9616	80.7829	T	T	T
THPYR_06_278	1	0.2102	84.2048	T	T	T
	2	0.2102	79.8941	T	F	F
	3	0.2102	78.52	T	F	F
THPYR_06_281	1	1.7037	83.9701	T	T	T
	2	1.7037	83.9481	T	F	F
THPYR_06_295	2	1.6604	78.6801	T	T	T
THPYR_06_301	2	0.9082	78.7789	T	T	T
	3	0.9082	76.9654	T	F	F
THPYR_06_303	1	0.5055	82.131	T	T	T
THPYR_06_304	1	0.4226	84.2805	T	T	T
THPYR_06_310	1	0.3272	79.3503	T	T	T
THPYR_06_315	1	0.4861	82.5443	T	T	T
	3	0.4861	77.5597	T	F	F
THPYR_06_325	1	1.3335	85.5377	T	T	T
	2	1.3335	83.5053	T	F	F
THPYR_06_329	2	0.6728	77.8541	T	T	T
THPYR_06_347	2	0.7042	78.5506	T	T	T
THPYR_06_351	2	0.273	78.1651	T	T	T
THPYR_06_352	1	1.0554	77.8011	T	T	T
	2	1.0554	77.007	T	F	F
THPYR_06_373	1	1.5125	84.1228	T	T	T
THPYR_06_377	1	0.633	75.3247	T	T	T
	3	0.633	74.1427	T	F	F
THPYR_06_385	2	1.8863	78.1794	T	T	T
THPYR_06_386	2	0.5253	85.0538	T	T	T
THPYR_06_389	1	1.0529	81.9792	T	T	T
THPYR_06_394	1	0.1072	82.7741	T	T	T
THPYR_06_397	1	0.7887	89.8095	T	T	T
THPYR_06_399	1	0.525	90.3308	T	T	T
	3	0.525	81.6661	T	F	F
THPYR_06_400	1	0.4884	81.0537	T	T	T
THPYR_06_402	1	1.0252	83.9592	T	T	T
THPYR_06_412	1	1.7898	89.4283	T	T	T
	3	1.7898	83.848	T	F	F
THPYR_06_413	1	0.9703	78.5633	T	T	T
	2	0.9703	78.474	T	F	F
THPYR_06_420	1	0.4956	87.2798	T	T	T
	2	0.4956	81.9752	T	F	F

	3	0.4956	80.9891	T	F	F
THPYR_06_427	1	0.9833	82.7595	T	T	T
THPYR_06_430	2	1.1744	83.9271	T	T	T
	3	1.1744	83.6438	T	F	F

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

b) D83G_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_02_254	2	1.0812	64.3341	F	F	F
THIND_05_105	3	1.9838	78.335	T	T	T
THIND_07_140	3	1.0385	48.919	F	F	F
THIND_15_030	2	0.5045	49.7766	F	F	F
THIND_15_122	3	1.4161	51.8472	F	F	F
THIND_15_133	2	0.826	49.0599	F	F	F
THIND_16_124	3	0.6086	69.6428	F	F	F
THPYR_01_420	2	0.6811	76.8135	T	T	T
THPYR_02_009	1	1.2882	79.7735	T	T	T
THPYR_02_125	1	0.5369	74.247	T	T	T
THPYR_02_148	1	1.1698	78.7687	T	T	T
THPYR_02_316	1	0.4992	76.5518	T	T	T
THPYR_02_329	2	1.842	73.2368	T	T	T
THPYR_02_351	2	0.7554	70.9197	T	T	T
THPYR_02_426	3	1.3737	71.9499	T	T	T
THPYR_03_034	1	0.5625	60.9029	F	F	F
	2	0.5625	60.2755	F	F	F
THPYR_03_081	1	0.9929	74.4017	T	T	T
THPYR_03_222	2	1.9783	72.2942	T	T	T
THPYR_03_316	3	0.4337	72.743	T	T	T
THPYR_03_394	2	1.406	79.2323	T	T	T
THPYR_04_009	3	0.3174	77.4931	T	T	T
THPYR_04_083	1	0.3479	78.07	T	T	T
THPYR_04_185	3	0.8188	75.2046	T	T	T
THPYR_04_325	3	1.2612	74.3075	T	T	T
THPYR_04_377	3	1.0967	71.6484	T	T	T
THPYR_04_394	2	0.2165	77.3193	T	T	T
THPYR_04_407	1	0.1234	76.6592	T	T	T
THPYR_04_428	3	0.5416	77.3127	T	T	T
THPYR_05_009	1	0.2442	78.9814	T	T	T
THPYR_05_106	2	0.3126	76.9065	T	T	T
THPYR_05_185	1	0.9667	74.628	T	T	T
	3	0.9667	71.2147	T	F	F
THPYR_05_222	1	1.212	74.3423	T	T	T
THPYR_05_420	2	0.2897	81.6782	T	T	T
THPYR_06_009	2	0.2782	82.3843	T	T	T
THPYR_06_039	2	0.2153	73.7859	T	T	T
THPYR_06_077	1	1.8026	78.7344	T	T	T
	2	1.8026	77.0431	T	F	F
	3	1.8026	72.6409	T	F	F
THPYR_06_081	1	0.4776	79.5169	T	T	T
	2	0.4776	77.2638	T	F	F

THPYR_06_083	1	0.4725	78.0505	T	T	T
THPYR_06_106	2	0.2446	75.8187	T	T	T
THPYR_06_152	2	0.2844	77.5865	T	T	T
THPYR_06_222	1	1.0462	75.6924	T	T	T
THPYR_06_325	2	1.3335	76.3129	T	T	T
	3	1.3335	75.7437	T	F	F
THPYR_06_329	1	0.6728	77.9053	T	T	T
THPYR_06_386	3	0.5253	76.1463	T	T	T
THPYR_06_394	2	0.1072	77.831	T	T	T
THPYR_06_407	1	0.1632	80.1757	T	T	T
THPYR_06_420	3	0.4956	78.3384	T	T	T
THPYR_06_428	3	0.8033	79.1558	T	T	T
THPYR_06_430	3	1.1744	76.9287	T	T	T

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

c) D83N_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_02_114	3	0.7967	71.648	T	T	T
OXBC_02_254	2	1.0812	70.9208	T	T	T
	3	1.0812	70.9034	T	T	T
THIND_03_044	1	1.8382	66.1166	F	F	F
THIND_07_023	1	1.2682	65.7568	F	F	F
THIND_07_108	3	1.4983	59.7606	F	F	F
THIND_07_176	1	0.7963	62.1935	F	F	F
THIND_08_044	1	1.4431	63.4914	F	F	F
THIND_09_023	1	0.9861	85.3962	T	T	T
	2	0.9861	84.9128	T	T	T
THIND_09_179	3	1.3999	83.0639	T	T	T
THIND_12_074	3	1.8854	85.5655	T	T	T
THIND_12_112	1	0.148	85.1463	T	T	T
THIND_13_080	1	1.7318	72.1433	T	T	T
THIND_15_021	3	1.7239	55.6227	F	F	F
THIND_15_030	1	0.5045	59.8094	F	F	F
THIND_15_122	2	1.4161	58.3707	F	F	F
THIND_15_133	3	0.826	55.4439	F	F	F
THIND_16_112	1	0.8831	80.0198	T	T	T
THIND_16_124	2	0.6086	79.1793	T	T	T
	3	0.6086	77.9991	T	F	F
THIND_16_246	2	1.8256	80.6976	T	T	T
THPYR_01_082	2	1.6144	85.6857	T	T	T
THPYR_01_185	3	1.6368	69.5951	F	F	F
THPYR_01_420	1	0.6811	84.7423	T	T	T
THPYR_01_428	2	1.1342	75.3117	T	T	T
THPYR_02_009	1	1.2882	81.8685	T	T	T
THPYR_02_148	1	1.1698	85.2184	T	T	T
THPYR_02_329	1	1.842	76.0054	T	T	T
THPYR_02_400	1	1.9629	78.661	T	T	T
THPYR_02_420	1	1.3684	92.4183	T	T	T
	3	1.3684	78.1851	T	F	F
THPYR_02_426	1	1.3737	78.2558	T	T	T
THPYR_03_009	3	1.3384	83.1615	T	T	T
THPYR_03_034	1	0.5625	63.3228	F	F	F
THPYR_03_081	2	0.9929	81.5212	T	T	T
THPYR_03_083	2	0.83	83.5273	T	T	T
THPYR_03_148	1	0.3077	86.2868	T	T	T
THPYR_03_185	2	1.9329	81.3813	T	T	T
THPYR_03_394	1	1.406	89.7797	T	T	T
	2	1.406	87.4997	T	F	F
THPYR_03_407	2	0.756	80.9167	T	T	T

THPYR_03_420	1	1.6155	87.0695	T	T	T
THPYR_03_426	1	1.3912	80.6404	T	T	T
THPYR_04_009	1	0.3174	87.0991	T	T	T
THPYR_04_039	2	0.2929	75.8957	T	T	T
THPYR_04_076	3	1.1148	78.8683	T	T	T
THPYR_04_077	1	1.5535	84.5104	T	T	T
THPYR_04_081	1	0.508	85.4	T	T	T
THPYR_04_082	1	0.263	79.952	T	T	T
THPYR_04_106	1	0.2966	81.5429	T	T	T
	2	0.2966	74.487	T	F	F
THPYR_04_152	2	0.2439	78.7056	T	T	T
THPYR_04_185	1	0.8188	80.7628	T	T	T
	2	0.8188	79.083	T	F	F
THPYR_04_205	1	1.9055	82.55	T	T	T
THPYR_04_267	1	1.3552	85.5904	T	T	T
THPYR_04_365	2	0.6769	73.215	T	T	T
THPYR_04_377	1	1.0967	78.8354	T	T	T
THPYR_04_394	1	0.2165	86.8218	T	T	T
THPYR_04_397	1	0.8449	87.8376	T	T	T
THPYR_04_399	2	0.6009	85.5076	T	T	T
THPYR_04_400	2	0.4226	75.4633	T	T	T
THPYR_04_407	3	0.1234	79.0955	T	T	T
THPYR_04_412	2	0.8498	81.6246	T	T	T
THPYR_04_420	1	0.3683	85.1717	T	T	T
	2	0.3683	83.3074	T	F	F
THPYR_04_428	1	0.5416	90.5459	T	T	T
THPYR_05_009	3	0.2442	75.347	T	T	T
THPYR_05_039	2	0.2336	83.7623	T	T	T
THPYR_05_048	2	0.9605	80.3365	T	T	T
THPYR_05_077	1	1.191	84.0389	T	T	T
	2	1.191	83.8526	T	F	F
THPYR_05_081	2	0.544	81.4487	T	T	T
THPYR_05_082	2	0.2353	85.7736	T	T	T
THPYR_05_106	1	0.3126	85.5743	T	T	T
	2	0.3126	75.0977	T	F	F
THPYR_05_114	3	1.1918	76.3196	T	T	T
THPYR_05_182	2	1.8488	81.5687	T	T	T
THPYR_05_222	2	1.212	82.3066	T	T	T
THPYR_05_267	1	1.129	80.5355	T	T	T
THPYR_05_315	1	0.6249	86.4752	T	T	T
THPYR_05_325	2	1.2549	77.0901	T	T	T
THPYR_05_386	1	0.6431	89.9949	T	T	T
THPYR_05_399	1	0.6053	84.998	T	T	T
THPYR_05_412	1	1.6478	82.9488	T	T	T
THPYR_05_420	1	0.2897	84.6917	T	T	T

	3	0.2897	77.9371	T	F	F
THPYR_06_017	1	0.8054	82.2822	T	T	T
THPYR_06_039	1	0.2153	84.6303	T	T	T
	3	0.2153	78.4978	T	F	F
THPYR_06_048	1	0.8162	92.6394	T	T	T
THPYR_06_052	3	1.328	81.8959	T	T	T
THPYR_06_076	1	1.1625	86.6339	T	T	T
	2	1.1625	84.0722	T	F	F
THPYR_06_081	2	0.4776	87.36	T	T	T
THPYR_06_082	1	0.1201	91.4627	T	T	T
	2	0.1201	87.7911	T	F	F
	3	0.1201	82.8544	T	F	F
THPYR_06_083	1	0.4725	86.98	T	T	T
	2	0.2446	84.4968	T	F	F
THPYR_06_106	3	0.2446	84.3338	T	T	T
THPYR_06_114	1	1.2266	82.4418	T	T	T
	2	0.2844	84.1141	T	F	F
THPYR_06_152	3	0.2844	82.7797	T	T	T
THPYR_06_185	3	0.9022	82.7147	T	T	T
THPYR_06_189	1	1.7262	88.7268	T	T	T
	2	1.7262	86.3764	T	F	F
THPYR_06_249	1	1.7183	83.4868	T	T	T
THPYR_06_254	1	1.9253	86.1402	T	T	T
THPYR_06_267	2	1.1735	83.7039	T	T	T
THPYR_06_281	3	1.7037	81.3577	T	T	T
THPYR_06_315	3	0.4861	82.766	T	T	T
THPYR_06_325	1	1.3335	81.2166	T	T	T
	2	1.3335	80.1185	T	F	F
THPYR_06_377	2	0.633	79.464	T	T	T
THPYR_06_386	2	0.5253	77.8107	T	T	T
THPYR_06_394	3	0.1072	86.6798	T	T	T
THPYR_06_397	1	0.7887	85.4655	T	T	T
	2	0.7887	83.4065	T	F	F
THPYR_06_399	2	0.525	85.7442	T	T	T
THPYR_06_407	3	0.1632	78.4694	T	T	T
THPYR_06_411	2	0.8863	82.1974	T	T	T
THPYR_06_412	1	1.7898	85.6614	T	T	T
	2	1.7898	85.5446	T	F	F
	2	0.4956	86.6255	T	F	F
THPYR_06_420	3	0.4956	85.2526	T	T	T
THPYR_06_428	3	0.8033	85.1544	T	T	T
THPYR_06_430	1	1.1744	86.4134	T	T	T

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

d) M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_01_371	1	0.5026	74.8523	T	T	T
	2	0.5026	74.2841	T	F	F
OXBC_02_114	1	0.7967	71.8489	T	T	T
	2	0.7967	70.1538	T	F	F
OXBC_02_184	2	1.9902	71.478	T	T	T
OXBC_02_254	2	1.0812	70.2055	T	T	T
	3	1.0812	68.5511	F	F	F
OXBC_02_284	1	1.5325	68.7119	F	F	F
THIND_05_105	1	1.9838	87.96	T	T	T
THIND_05_260	1	0.9986	79.1778	T	T	T
THIND_07_023	2	1.2682	66.3614	F	F	F
THIND_07_131	1	0.8545	68.3865	F	F	F
THIND_07_176	1	0.7963	67.537	F	F	F
THIND_08_044	3	1.4431	59.8149	F	F	F
THIND_08_131	2	1.3065	70.4455	T	T	T
THIND_09_023	1	0.9861	89.322	T	T	T
	2	0.9861	81.2368	T	F	F
THIND_09_058	1	0.3156	84.3075	T	T	T
THIND_09_113	1	0.9152	82.9524	T	T	T
THIND_09_176	3	1.1327	83.6966	T	T	T
THIND_09_179	2	1.3999	80.9634	T	T	T
THIND_09_369	2	1.7254	83.2953	T	T	T
THIND_10_131	1	0.2951	71.3886	T	T	T
	3	0.2951	63.2726	F	F	F
THIND_10_371	2	1.561	59.3922	F	F	F
THIND_12_076	2	0.3049	86.4753	T	T	T
THIND_12_112	1	0.148	79.9708	T	T	T
THIND_13_246	3	0.2419	75.2067	T	T	T
THIND_13_247	3	0.0732	74.023	T	T	T
THIND_15_004	1	0.5482	60.8067	F	F	F
THIND_15_030	1	0.5045	61.8748	F	F	F
THIND_15_050	1	1.2081	52.1804	F	F	F
THIND_15_122	1	1.4161	62.7937	F	F	F
THIND_16_078	3	0.6399	77.6123	T	T	T
THIND_16_112	3	0.8831	71.398	T	T	T
THPYR_01_037	2	1.2882	71.8407	T	T	T
THPYR_01_082	2	1.6144	77.7123	T	T	T
THPYR_01_114	2	1.8484	77.653	T	T	T
THPYR_01_315	2	1.6649	79.5173	T	T	T
THPYR_01_329	2	0.6343	77.5843	T	T	T
THPYR_01_386	1	1.0617	83.5309	T	T	T
THPYR_01_420	1	0.6811	83.1303	T	T	T

THPYR_01_428	2	1.1342	77.0244	T	T	T
THPYR_01_429	3	1.5104	76.8644	T	T	T
THPYR_02_009	1	1.2882	85.9169	T	T	T
THPYR_02_125	1	0.5369	76.089	T	T	T
THPYR_02_187	2	0.5665	70.3249	T	T	T
THPYR_02_316	1	0.4992	82.3368	T	T	T
THPYR_02_329	1	1.842	77.5725	T	T	T
	2	1.842	76.4115	T	F	F
THPYR_02_351	1	0.7554	75.5628	T	T	T
THPYR_02_355	1	1.4371	80.1603	T	T	T
THPYR_02_371	1	1.6248	81.1434	T	T	T
THPYR_02_407	1	0.7954	86.671	T	T	T
THPYR_02_420	1	1.3684	86.2553	T	T	T
THPYR_02_426	1	1.3737	77.0373	T	T	T
THPYR_03_009	2	1.3384	87.0556	T	T	T
THPYR_03_034	1	0.5625	66.3737	F	F	F
THPYR_03_076	1	1.9191	83.7699	T	T	T
	2	1.9191	81.9619	T	T	T
	3	1.9191	80.0874	T	T	T
THPYR_03_082	1	0.5311	88.2872	T	T	T
	3	0.5311	81.2664	T	F	F
THPYR_03_083	2	0.83	75.45	T	T	T
THPYR_03_114	1	1.8446	86.4051	T	T	T
THPYR_03_148	1	0.3077	81.4649	T	T	T
THPYR_03_178	3	0.7602	8.7486	T	T	T
THPYR_03_185	1	1.9329	86.6977	T	T	T
THPYR_03_222	1	1.9783	84.5484	T	T	T
	3	1.9783	80.0467	T	F	F
THPYR_03_223	1	1.5314	83.1271	T	T	T
	2	1.5314	78.5256	T	F	F
THPYR_03_276	3	1.5413	71.0268	T	T	T
THPYR_03_329	2	0.7251	79.4886	T	T	T
THPYR_03_394	2	1.406	82.347	T	T	T
THPYR_03_407	3	0.756	79.3419	T	T	T
THPYR_03_420	1	1.6155	87.2379	T	T	T
THPYR_04_001	3	1.0877	73.9103	T	T	T
THPYR_04_016	2	0.4367	76.6228	T	T	T
THPYR_04_039	1	0.2929	77.1105	T	T	T
THPYR_04_052	1	0.4089	82.824	T	T	T
	2	0.4089	82.4895	T	F	F
THPYR_04_059	1	1.3176	71.2051	T	T	T
	2	1.3176	67.0492	F	F	F
THPYR_04_076	1	1.1148	82.7594	T	T	T
	2	1.1148	82.1709	T	F	F
THPYR_04_077	1	1.5535	81.9411	T	T	T

	2	1.5535	80.531	T	F	F
	3	1.5535	77.7069	T	F	F
THPYR_04_081	2	0.508	79.9231	T	T	T
THPYR_04_082	1	0.263	88.0507	T	T	T
	2	0.263	82.2882	T	F	F
THPYR_04_144	1	1.1593	73.4258	T	T	T
	2	1.1593	72.9718	T	F	F
THPYR_04_185	1	0.8188	87.2876	T	T	T
	2	0.8188	78.2588	T	F	F
THPYR_04_205	2	1.9055	82.5853	T	T	T
	3	1.9055	82.1604	T	F	F
THPYR_04_222	3	1.0755	77.4092	T	T	T
THPYR_04_223	1	0.808	85.0389	T	T	T
THPYR_04_227	1	0.1621	75.3045	T	T	T
THPYR_04_241	3	0.8285	73.795	T	T	T
THPYR_04_253	1	1.3999	80.1776	T	T	T
THPYR_04_275	1	1.6665	77.646	T	T	T
THPYR_04_310	3	0.3311	75.482	T	T	T
THPYR_04_325	2	1.2612	83.6848	T	T	T
THPYR_04_329	2	0.349	74.7444	T	T	T
THPYR_04_331	2	1.7474	78.1021	T	T	T
THPYR_04_377	1	1.0967	80.9225	T	T	T
	2	1.0967	80.5237	T	F	F
	3	1.0967	69.9425	F	F	F
THPYR_04_385	1	1.5191	77.8146	T	T	T
THPYR_04_386	2	0.7762	84.8846	T	T	T
THPYR_04_394	2	0.2165	79.7614	T	T	T
THPYR_04_397	1	0.8449	89.9685	T	T	T
THPYR_04_398	1	1.6218	84.2324	T	T	T
THPYR_04_399	1	0.6009	86.6757	T	T	T
THPYR_04_402	1	0.8796	88.5382	T	T	T
	2	0.8796	83.18	T	F	F
THPYR_04_407	1	0.1234	84.4104	T	T	T
THPYR_04_420	2	0.3683	86.2322	T	T	T
THPYR_04_427	2	0.6003	85.2763	T	T	T
THPYR_04_428	2	0.5416	85.516	T	T	T
THPYR_04_429	1	0.9694	82.013	T	T	T
	2	0.9694	79.7933	T	F	F
THPYR_04_430	1	0.8722	88.9212	T	T	T
THPYR_05_009	1	0.2442	88.6612	T	T	T
THPYR_05_039	1	0.2336	82.2444	T	T	T
THPYR_05_041	1	1.5438	77.8058	T	T	T
THPYR_05_052	1	0.6446	84.8782	T	T	T
	2	0.6446	81.0966	T	F	F
THPYR_05_059	1	1.3568	76.8109	T	T	T

	2	1.3568	67.9719	F	F	F
THPYR_05_076	1	1.1598	83.3237	T	T	T
	2	1.1598	81.8529	T	F	F
THPYR_05_077	1	1.191	81.6568	T	T	T
THPYR_05_081	1	0.544	83.8202	T	T	T
THPYR_05_082	1	0.2353	84.6755	T	T	T
	2	0.2353	83.8892	T	F	F
THPYR_05_083	1	0.3326	83.6221	T	T	T
THPYR_05_106	1	0.3126	81.2345	T	T	T
	2	0.3126	79.4191	T	F	F
THPYR_05_114	1	1.1918	79.0486	T	T	T
THPYR_05_152	2	0.3065	79.9511	T	T	T
THPYR_05_182	3	1.8488	83.4438	T	T	T
THPYR_05_189	2	1.3113	77.7593	T	T	T
THPYR_05_214	1	1.7997	76.7429	T	T	T
THPYR_05_220	1	1.1269	87.5014	T	T	T
THPYR_05_222	1	1.212	80.3601	T	T	T
THPYR_05_227	1	0.1832	81.7624	T	T	T
THPYR_05_234	2	1.1569	73.8875	T	T	T
THPYR_05_241	3	1.075	77.33	T	T	T
THPYR_05_278	2	0.2782	78.9977	T	T	T
THPYR_05_304	1	0.455	80.2857	T	T	T
THPYR_05_310	1	0.3827	82.0948	T	T	T
	3	0.3827	78.7114	T	F	F
THPYR_05_315	1	0.6249	80.9959	T	T	T
THPYR_05_325	1	1.2549	83.9868	T	T	T
	2	1.2549	80.709	T	F	F
THPYR_05_329	3	0.5682	76.6548	T	T	T
THPYR_05_331	1	1.8471	80.4201	T	T	T
THPYR_05_341	1	1.4696	82.0952	T	T	T
THPYR_05_344	1	1.6319	77.5526	T	T	T
THPYR_05_347	1	1.4921	79.9387	T	T	T
	3	1.4921	78.0169	T	F	F
THPYR_05_352	1	1.3173	78.6625	T	T	T
	2	1.3173	76.3802	T	F	F
THPYR_05_371	1	0.1083	93.0775	T	T	T
THPYR_05_373	1	1.4191	80.9297	T	T	T
	2	1.4191	77.0457	T	F	F
THPYR_05_377	1	1.3222	75.077	T	T	T
	2	1.3222	72.6708	T	F	F
	3	1.3222	72.3414	T	F	F
THPYR_05_386	2	0.6431	79.5598	T	T	T
THPYR_05_394	1	0.1882	82.4	T	T	T
	2	0.1882	80.6507	T	F	F
	3	0.1882	78.8709	T	F	F

THPYR_05_397	1	0.8091	87.2064	T	T	T
	2	0.8091	85.8595	T	F	F
THPYR_05_398	1	1.6203	83.4278	T	T	T
THPYR_05_399	2	0.6053	81.1317	T	T	T
THPYR_05_407	1	0.1565	89.8576	T	T	T
THPYR_05_413	1	1.3155	77.007	T	T	T
THPYR_05_415	1	1.5129	82.2124	T	T	T
THPYR_05_418	1	0.5708	82.4029	T	T	T
THPYR_05_420	1	0.2897	87.5934	T	T	T
THPYR_05_429	2	1.0106	79.6315	T	T	T
THPYR_05_430	3	0.9632	76.6531	T	T	T
THPYR_06_002	1	0.3479	79.3645	T	T	T
	2	0.3479	77.6901	T	F	F
THPYR_06_009	2	0.2782	88.6041	T	T	T
	3	0.2782	87.5367	T	F	F
THPYR_06_017	3	0.8054	73.7975	T	T	T
THPYR_06_039	3	0.2153	78.2388	T	T	T
THPYR_06_048	1	0.8162	83.4278	T	T	T
	2	0.8162	81.099	T	F	F
THPYR_06_052	1	1.328	86.445	T	T	T
	3	1.328	85.6505	T	F	F
THPYR_06_059	2	1.2921	75.1666	T	T	T
	3	1.2921	70.882	T	F	F
THPYR_06_072	2	1.5321	84.6336	T	T	T
	3	1.5321	79.9568	T	F	F
THPYR_06_076	1	1.1625	80.7402	T	T	T
	2	1.1625	78.239	T	F	F
THPYR_06_077	2	1.8026	77.6646	T	T	T
THPYR_06_081	1	0.4776	80.0407	T	T	T
THPYR_06_082	2	0.1201	80.2868	T	T	T
	3	0.1201	79.89	T	T	T
THPYR_06_083	1	0.4725	88.1862	T	T	T
	2	0.4725	83.613	T	F	F
THPYR_06_106	1	0.2446	88.0376	T	T	T
	2	0.2446	80.3851	T	F	F
	3	0.2446	79.5901	T	F	F
THPYR_06_114	1	1.2266	87.1473	T	T	T
THPYR_06_152	2	0.2844	82.5617	T	T	T
THPYR_06_156	1	0.1878	80.9406	T	T	T
THPYR_06_185	3	0.9022	80.9113	T	T	T
THPYR_06_189	1	1.7262	83.8647	T	T	T
	2	1.7262	79.9913	T	F	F
THPYR_06_220	3	1.7266	82.659	T	T	T
THPYR_06_221	2	0.187	83.6919	T	T	T
THPYR_06_222	1	1.0462	84.5781	T	T	T

THPYR_06_223	1	0.863	82.9266	T	T	T
	2	0.863	79.2086	T	F	F
THPYR_06_226	2	0.1395	84.0549	T	T	T
	3	0.1395	81.3096	T	F	F
THPYR_06_227	1	0.1729	87.4316	T	T	T
	3	0.1729	81.1061	T	F	F
THPYR_06_234	2	1.0812	75.6874	T	T	T
	3	1.0812	73.5197	T	F	F
THPYR_06_249	1	1.7183	87.7943	T	T	T
	2	1.7183	87.1479	T	F	F
THPYR_06_251	2	0.2808	81.338	T	T	T
THPYR_06_252	2	0.3575	79.1066	T	T	T
THPYR_06_254	1	1.9253	90.292	T	T	T
	2	1.9253	84.4011	T	F	F
	3	1.9253	83.4905	T	F	F
THPYR_06_267	1	1.1735	84.8427	T	T	T
THPYR_06_275	1	1.9616	84.8459	T	T	T
THPYR_06_276	3	0.3475	74.218	T	T	T
THPYR_06_278	1	0.2102	88.04	T	T	T
	3	0.2102	80.1071	T	F	F
THPYR_06_281	1	1.7037	85.5816	T	T	T
	2	1.7037	84.5115	T	F	F
THPYR_06_295	2	1.6604	79.1338	T	T	T
THPYR_06_301	2	0.9082	80.0786	T	T	T
THPYR_06_315	1	0.4861	80.5211	T	T	T
	2	0.4861	80.2529	T	F	F
THPYR_06_325	1	1.3335	85.5725	T	T	T
	2	1.3335	83.9274	T	F	F
THPYR_06_329	3	0.6728	76.9214	T	T	T
THPYR_06_347	1	0.7042	82.8376	T	T	T
	3	0.7042	80.2657	T	F	F
THPYR_06_348	3	0.5353	87.3252	T	T	T
THPYR_06_352	1	1.0554	85.5465	T	T	T
	2	1.0554	80.3001	T	F	F
THPYR_06_355	3	0.2092	86.5883	T	T	T
THPYR_06_365	3	1.2871	83.629	T	T	T
THPYR_06_371	1	0.1604	88.8943	T	T	T
	3	0.1604	84.4146	T	F	F
THPYR_06_373	1	1.5125	83.9857	T	T	T
	2	1.5125	77.1576	T	F	F
THPYR_06_377	1	0.633	79.7062	T	T	T
THPYR_06_386	1	0.5253	86.3565	T	T	T
	3	0.5253	83.6798	T	F	F
THPYR_06_394	2	0.1072	85.4509	T	T	T
THPYR_06_397	1	0.7887	87.4671	T	T	T

	2	0.7887	86.8041	T	F	F
THPYR_06_399	1	0.525	87.0602	T	T	T
	3	0.525	80.3515	T	F	F
THPYR_06_407	2	0.1632	90.666	T	T	T
THPYR_06_411	1	0.8863	87.5389	T	T	T
	3	0.8863	82.4555	T	F	F
THPYR_06_412	3	1.7898	83.3082	T	T	T
THPYR_06_418	1	0.6276	85.9861	T	T	T
	2	0.6276	84.7077	T	F	F
THPYR_06_420	1	0.4956	87.3368	T	T	T
THPYR_06_426	1	0.8166	82.535	T	T	T
THPYR_06_427	2	0.9833	85.753	T	T	T
THPYR_06_428	1	0.8033	90.7608	T	T	T
THPYR_06_430	1	1.1744	89.3787	T	T	T

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

e) D83G+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_02_254	2	1.0812	67.8653	F	F	F
THIND_07_023	3	1.2682	55.8222	F	F	F
THIND_09_176	3	1.1327	75.1634	T	T	T
THIND_10_131	1	0.2951	57.9161	F	F	F
THIND_10_391	2	1.5599	56.3103	F	F	F
THIND_12_019	3	1.8599	64.5388	F	F	F
THIND_12_074	1	1.8854	83.2313	T	T	T
THIND_12_112	3	0.148	75.8873	T	T	T
THIND_15_004	1	0.5482	56.4026	F	F	F
	2	0.5482	52.2909	F	F	F
THIND_15_021	2	1.7239	51.0653	F	F	F
THIND_15_030	1	0.5045	53.8956	F	F	F
	3	0.5045	50.6453	F	F	F
THIND_15_122	1	1.4161	56.7049	F	F	F
THIND_15_133	3	0.826	50.2026	F	F	F
THPYR_02_009	3	1.2882	76.5163	T	T	T
THPYR_02_148	1	1.1698	80.9437	T	T	T
	3	1.1698	74.0386	T	F	F
THPYR_02_329	1	1.842	79.5143	T	T	T
THPYR_02_407	1	0.7954	78.236	T	T	T
THPYR_02_420	1	1.3684	82.4989	T	T	T
THPYR_02_426	1	1.3737	75.8446	T	T	T
THPYR_03_034	1	0.5625	72.2832	T	T	T
THPYR_03_072	2	1.0259	74.3233	T	T	T
THPYR_03_076	1	1.9191	76.8436	T	T	T
THPYR_03_081	2	0.9929	81.2821	T	T	T
THPYR_03_082	2	0.5311	77.0148	T	T	T
THPYR_03_114	2	1.8446	77.0598	T	T	T
THPYR_03_125	1	0.4562	81.3468	T	T	T
THPYR_03_148	1	0.3077	79.0654	T	T	T
THPYR_03_178	1	0.7602	12.1813	F	F	F
THPYR_03_185	2	1.9329	75.2327	T	T	T
THPYR_03_222	1	1.9783	78.4243	T	T	T
THPYR_03_329	3	0.7251	73.7965	T	T	T
THPYR_03_394	1	1.406	80.287	T	T	T
THPYR_03_407	2	0.756	76.3312	T	T	T
THPYR_03_420	1	1.6155	79.9662	T	T	T
THPYR_03_426	3	1.3912	71.6163	T	T	T
THPYR_04_009	2	0.3174	78.2537	T	T	T
THPYR_04_039	3	0.2929	72.1768	T	T	T
THPYR_04_082	1	0.263	79.498	T	T	T
THPYR_04_083	2	0.3479	77.0808	T	T	T

THPYR_04_185	2	0.8188	78.4641	T	T	T
THPYR_04_234	3	1.1623	71.6601	T	T	T
THPYR_04_267	1	1.3552	77.4281	T	T	T
THPYR_04_346	1	1.8072	71.3485	T	T	T
THPYR_04_365	2	0.6769	84.4772	T	T	T
THPYR_04_385	2	1.5191	75.2434	T	T	T
THPYR_04_394	2	0.2165	81.848	T	T	T
	3	0.2165	81.775	T	F	F
THPYR_05_039	1	0.2336	79.2143	T	T	T
THPYR_05_076	1	1.1598	78.8851	T	T	T
THPYR_05_077	1	1.191	77.8843	T	T	T
THPYR_05_081	1	0.544	81.2477	T	T	T
THPYR_05_082	2	0.2353	77.5948	T	T	T
THPYR_05_106	2	0.3126	77.9898	T	T	T
THPYR_05_185	1	0.9667	76.4761	T	T	T
THPYR_05_222	1	1.212	79.5338	T	T	T
THPYR_05_267	2	1.129	75.3556	T	T	T
THPYR_05_325	1	1.2549	77.9504	T	T	T
THPYR_05_329	3	0.5682	73.8104	T	T	T
THPYR_05_331	1	1.8471	77.4148	T	T	T
THPYR_05_386	2	0.6431	77.5288	T	T	T
THPYR_05_394	1	0.1882	80.4086	T	T	T
	2	0.1882	77.5426	T	F	F
THPYR_05_397	3	0.8091	77.4777	T	T	T
THPYR_05_399	2	0.6053	76.8382	T	T	T
THPYR_05_412	3	1.6478	79.9118	T	T	T
THPYR_05_430	3	0.9632	78.5256	T	T	T
THPYR_06_001	3	1.3474	77.255	T	T	T
THPYR_06_009	3	0.2782	79.0331	T	T	T
THPYR_06_017	3	0.8054	70.8592	T	T	T
THPYR_06_048	2	0.8162	84.3411	T	T	T
THPYR_06_072	3	1.5321	75.7413	T	T	T
THPYR_06_076	2	1.1625	76.9859	T	T	T
THPYR_06_077	1	1.8026	79.5395	T	T	T
	2	1.8026	78.6173	T	F	F
	3	1.8026	76.6894	T	F	F
THPYR_06_081	1	0.4776	86.5427	T	T	T
	2	0.4776	82.4761	T	F	F
	3	0.4776	79.8122	T	F	F
THPYR_06_082	1	0.1201	82.0779	T	T	T
	3	0.1201	80.2612	T	F	F
THPYR_06_083	1	0.4725	82.2305	T	T	T
	2	0.4725	80.811	T	F	F
THPYR_06_106	1	0.2446	80.5713	T	T	T
THPYR_06_114	2	1.2266	77.9051	T	T	T

THPYR_06_185	1	0.9022	79.8685	T	T	T
	2	0.9022	77.005	T	F	F
THPYR_06_222	2	1.0462	74.9805	T	T	T
THPYR_06_249	3	1.7183	79.2474	T	T	T
THPYR_06_254	3	1.9253	77.119	T	T	T
THPYR_06_267	2	1.1735	79.7254	T	T	T
THPYR_06_281	3	1.7037	81.3255	T	T	T
THPYR_06_325	2	1.3335	74.4636	T	T	T
	3	1.3335	74.1306	T	F	F
THPYR_06_329	3	0.6728	75.5658	T	T	T
THPYR_06_365	1	1.2871	87.1036	T	T	T
THPYR_06_377	1	0.633	77.8989	T	T	T
	3	0.633	76.9034	T	F	F
THPYR_06_386	2	0.5253	81.032	T	T	T
THPYR_06_394	1	0.1072	82.1824	T	T	T
	3	0.1072	79.9667	T	F	F
THPYR_06_397	2	0.7887	78.2488	T	T	T
THPYR_06_399	2	0.525	74.5644	T	T	T
THPYR_06_407	1	0.1632	75.6034	T	T	T
	2	0.1632	74.8399	T	F	F
THPYR_06_411	3	0.8863	78.1075	T	T	T
THPYR_06_420	2	0.4956	79.8499	T	T	T
THPYR_06_426	3	0.8166	72.6169	T	T	T
THPYR_06_427	2	0.9833	81.788	T	T	T
THPYR_06_428	3	0.8033	78.8711	T	T	T
THPYR_06_430	1	1.1744	77.4633	T	T	T

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

f) D83N+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	GSK ≥ 70 (T/F)	HGSF (T/F)	Result (T/F)
OXBC_02_254	3	1.0812	73.8162	T	T	T
THIND_03_044	2	1.8382	51.3086	F	F	F
THIND_07_023	1	1.2682	73.0102	T	T	T
THIND_07_131	1	0.8545	66.1715	F	F	F
THIND_08_113	1	1.9244	60.8142	F	F	F
	2	1.9244	56.2324	F	F	F
THIND_09_023	2	0.9861	88.5625	T	T	T
THIND_09_167	2	1.9629	67.5765	F	F	F
THIND_09_176	2	1.1327	78.7365	T	T	T
THIND_09_179	2	1.3999	83.0061	T	T	T
THIND_12_074	1	1.8854	87.9575	T	T	T
THIND_12_112	2	0.148	79.1693	T	T	T
THIND_13_019	1	0.9554	65.1074	F	F	F
THIND_14_182	1	1.3415	68.5143	F	F	F
THIND_15_004	3	0.5482	56.4056	F	F	F
THIND_15_050	1	1.2081	50.0696	F	F	F
THIND_15_122	2	1.4161	57.4687	F	F	F
	3	1.4161	57.2224	F	F	F
THIND_15_133	3	0.826	52.7876	F	F	F
THIND_16_078	3	0.6399	81.2864	T	T	T
THIND_16_112	1	0.8831	77.2706	T	T	T
THIND_16_124	1	0.6086	76.9392	T	T	T
THPYR_01_114	1	1.8484	74.7311	T	T	T
THPYR_01_185	1	1.6368	78.2049	T	T	T
THPYR_01_386	3	1.0617	74.9522	T	T	T
THPYR_02_009	2	1.2882	75.7933	T	T	T
THPYR_02_148	1	1.1698	86.4252	T	T	T
THPYR_02_329	1	1.842	79.2153	T	T	T
THPYR_02_426	1	1.3737	84.8487	T	F	F
	2	1.3737	81.7918	T	F	F
THPYR_03_029	1	1.0563	76.3801	T	T	T
THPYR_03_081	2	0.9929	74.5599	T	T	T
THPYR_03_082	1	0.5311	77.6424	T	T	T
THPYR_03_083	1	0.83	79.4374	T	T	T
THPYR_03_114	2	1.8446	77.5139	T	T	T
THPYR_03_148	1	0.3077	78.1081	T	T	T
THPYR_03_185	1	1.9329	82.862	T	T	T
THPYR_03_394	3	1.406	79.6738	T	T	T
THPYR_03_426	1	1.3912	82.4787	T	T	T
THPYR_04_147	1	1.8906	84.7421	T	T	T
THPYR_04_185	3	0.8188	77.5208	T	T	T
THPYR_04_205	1	1.9055	83.278	T	T	T

THPYR_04_386	3	0.7762	78.7319	T	T	T
THPYR_04_397	1	0.8449	82.0624	T	T	T
THPYR_04_399	3	0.6009	80.6006	T	T	T
THPYR_04_411	2	0.9596	81.4479	T	T	T
THPYR_04_412	3	0.8498	84.1551	T	T	T
THPYR_04_430	3	0.8722	74.388	T	T	T
THPYR_05_009	2	0.2442	78.7391	T	T	T
THPYR_05_015	1	1.1923	82.2593	T	T	T
THPYR_05_144	3	1.0718	76.3687	T	T	T
THPYR_05_146	1	1.5585	76.9011	T	T	T
THPYR_05_399	1	0.6053	87.1984	T	T	T
THPYR_05_400	1	0.4708	78.8457	T	T	T
THPYR_05_412	1	1.6478	84.6545	T	T	T
THPYR_05_420	1	0.2897	83.924	T	T	T
THPYR_06_017	1	0.8054	81.7181	T	T	T
	2	0.8054	79.9349	T	F	F
THPYR_06_039	1	0.2153	84.518	T	T	T
THPYR_06_052	3	1.328	77.6853	T	T	T
THPYR_06_081	2	0.4776	74.7041	T	T	T
THPYR_06_082	1	0.1201	82.1898	T	T	T
THPYR_06_106	3	0.2446	80.1665	T	T	T
THPYR_06_185	1	0.9022	84.0922	T	T	T
	2	0.9022	81.9418	T	F	F
THPYR_06_189	3	1.7262	79.3707	T	T	T
THPYR_06_220	2	1.7266	75.3911	T	T	T
THPYR_06_249	1	1.7183	83.1119	T	T	T
	3	1.7183	80.9725	T	F	F
THPYR_06_254	1	1.9253	81.4828	T	T	T
THPYR_06_278	3	0.2102	75.6879	T	T	T
THPYR_06_329	1	0.6728	84.6484	T	T	T
THPYR_06_386	1	0.5253	89.5506	T	T	T
THPYR_06_394	2	0.1072	81.7872	T	T	T
THPYR_06_397	1	0.7887	87.1892	T	T	T
	2	0.7887	86.8873	T	F	F
	3	0.7887	85.987	T	F	F
THPYR_06_399	2	0.525	84.0358	T	T	T
THPYR_06_407	1	0.1632	84.0128	T	T	T
THPYR_06_411	3	0.8863	87.0417	T	T	T
THPYR_06_412	2	1.7898	85.7006	T	T	T
THPYR_06_420	2	0.4956	80.2892	T	T	T
	3	0.4956	78.3272	T	F	F
THPYR_06_428	3	0.8033	80.9752	T	T	T
THPYR_06_430	1	1.1744	84.0245	T	T	T

Legend	
GSF	GOLDScore Fitness Function
HGSF	Highest GOLDScore Fitness Function

Table S6. The results obtained after the Level 3 Boolean-based (T/F (true/false)) clustering (Activity-based clustering) of the (T)-signed combinatorially-generated drug-like NBTI binding poses from Level 2 for the constructed *gyrA* mutant models: a) WT, b) D83G_{mod}, c) D83N_{mod}, d) M121K_{mod}, e) D83G+M121K_{mod}, and f) D83N+M121K_{mod}.

a) WT

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
OXBC_02_184	1	1.9902	70.3257	F	F
THIND_09_179	2	1.3999	82.4136	F	F
THIND_16_112	2	0.8831	76.4019	T	T
THIND_16_124	2	0.6086	75.7891	T	T
THPYR_01_185	2	1.6368	76.5895	F	F
THPYR_01_329	2	0.6343	76.625	T	T
THPYR_01_420	1	0.6811	84.7284	T	T
THPYR_02_002	1	0.8239	81.7449	T	T
THPYR_02_009	1	1.2882	80.0888	F	F
THPYR_02_060	1	0.4382	78.2523	T	T
THPYR_02_148	1	1.1698	88.0801	F	F
THPYR_02_219	2	1.8005	71.2148	F	F
THPYR_02_420	3	1.3684	78.6335	F	F
THPYR_03_009	3	1.3384	82.217	F	F
THPYR_03_029	1	1.0563	76.817	F	F
THPYR_03_076	2	1.9191	77.5628	F	F
THPYR_03_081	1	0.9929	85.7147	T	T
THPYR_03_082	2	0.5311	85.0405	T	T
THPYR_03_114	2	1.8446	77.3327	F	F
THPYR_03_156	1	1.8552	82.5627	F	F
THPYR_03_222	1	1.9783	77.1357	F	F
THPYR_03_223	2	1.5314	75.2473	F	F
THPYR_03_316	1	0.4337	77.4417	T	T
THPYR_03_407	1	0.756	86.257	T	T
THPYR_03_420	1	1.6155	87.5693	F	F
THPYR_04_001	1	1.0877	83.8422	F	F
THPYR_04_009	1	0.3174	87.2507	T	T
THPYR_04_016	2	0.4367	74.657	T	T
THPYR_04_076	1	1.1148	81.0642	F	F
THPYR_04_077	1	1.5535	81.7831	F	F
THPYR_04_082	1	0.263	84.0801	T	T
THPYR_04_083	2	0.3479	81.4041	T	T
THPYR_04_114	2	1.1374	77.1725	F	F
THPYR_04_185	1	0.8188	82.9938	T	T
THPYR_04_205	1	1.9055	77.9673	F	F

THPYR_04_222	1	1.0755	79.1615	F	F
THPYR_04_223	2	0.808	78.8363	T	T
THPYR_04_241	1	0.8285	77.5472	T	T
THPYR_04_252	1	0.4094	78.6591	T	T
THPYR_04_325	1	1.2612	79.8848	F	F
THPYR_04_331	1	1.7474	72.9185	F	F
THPYR_04_365	2	0.6769	80.9307	T	T
THPYR_04_386	1	0.7762	82.2209	T	T
THPYR_04_398	3	1.6218	78.5435	F	F
THPYR_04_399	1	0.6009	84.3223	T	T
THPYR_04_412	1	0.8498	85.3595	T	T
THPYR_04_420	1	0.3683	87.6105	T	T
THPYR_04_428	1	0.5416	83.136	T	T
THPYR_05_009	2	0.2442	79.9254	T	T
THPYR_05_016	1	0.5596	77.4933	T	T
THPYR_05_039	1	0.2336	80.4517	T	T
THPYR_05_041	1	1.5438	72.6777	F	F
THPYR_05_076	1	1.1598	81.6365	F	F
THPYR_05_077	1	1.191	81.0402	F	F
THPYR_05_081	1	0.544	83.8129	T	T
THPYR_05_082	1	0.2353	85.9608	T	T
THPYR_05_106	1	0.3126	81.2587	T	T
THPYR_05_114	1	1.1918	82.6904	F	F
THPYR_05_150	1	0.8209	82.3133	T	T
THPYR_05_214	2	1.7997	75.3975	F	F
THPYR_05_223	1	0.973	78.5437	T	T
THPYR_05_303	3	0.5246	72.7567	T	T
THPYR_05_304	2	0.455	79.1776	T	T
THPYR_05_325	2	1.2549	76.2297	F	F
THPYR_05_329	2	0.5682	76.5465	T	T
THPYR_05_331	1	1.8471	75.2639	F	F
THPYR_05_344	1	1.6319	71.4796	F	F
THPYR_05_352	2	1.3173	75.6946	F	F
THPYR_05_377	1	1.3222	77.0702	F	F
THPYR_05_397	1	0.8091	81.6179	T	T
THPYR_05_407	2	0.1565	86.24	T	T
THPYR_05_418	1	0.5708	78.9653	T	T
THPYR_05_426	2	0.8829	70.4508	T	T
THPYR_05_428	2	0.4644	76.9167	T	T
THPYR_06_002	1	0.3479	82.8522	T	T
THPYR_06_009	1	0.2782	94.7786	T	T
THPYR_06_016	3	0.3479	78.6581	T	T
THPYR_06_039	3	0.2153	73.1163	T	T
THPYR_06_052	3	1.328	80.367	F	F
THPYR_06_059	1	1.2921	70.418	F	F

THPYR_06_060	1	0.0052	76.5931	T	T
THPYR_06_076	1	1.1625	82.2363	F	F
THPYR_06_077	1	1.8026	83.3648	F	F
THPYR_06_081	1	0.4776	86.3322	T	T
THPYR_06_082	1	0.1201	86.5009	T	T
THPYR_06_083	2	0.4725	75.9263	T	T
THPYR_06_106	2	0.2446	79.6506	T	T
THPYR_06_114	1	1.2266	81.9387	F	F
THPYR_06_150	1	0.5289	83.4533	T	T
THPYR_06_152	1	0.2844	78.4464	T	T
THPYR_06_156	1	0.1878	85.4024	T	T
THPYR_06_185	1	0.9022	83.8079	T	T
THPYR_06_189	1	1.7262	82.1119	F	F
THPYR_06_220	1	1.7266	86.4004	F	F
THPYR_06_222	1	1.0462	79.4032	F	F
THPYR_06_223	2	0.863	78.7842	T	T
THPYR_06_227	2	0.1729	77.7412	T	T
THPYR_06_249	1	1.7183	82.5691	F	F
THPYR_06_251	1	0.2808	82.0011	T	T
THPYR_06_267	1	1.1735	78.2317	F	F
THPYR_06_275	2	1.9616	80.7829	F	F
THPYR_06_278	1	0.2102	84.2048	T	T
THPYR_06_281	1	1.7037	83.9701	F	F
THPYR_06_295	2	1.6604	78.6801	F	F
THPYR_06_301	2	0.9082	78.7789	T	T
THPYR_06_303	1	0.5055	82.131	T	T
THPYR_06_304	1	0.4226	84.2805	T	T
THPYR_06_310	1	0.3272	79.3503	T	T
THPYR_06_315	1	0.4861	82.5443	T	T
THPYR_06_325	1	1.3335	85.5377	F	F
THPYR_06_329	2	0.6728	77.8541	T	T
THPYR_06_347	2	0.7042	78.5506	T	T
THPYR_06_351	2	0.273	78.1651	T	T
THPYR_06_352	1	1.0554	77.8011	F	F
THPYR_06_373	1	1.5125	84.1228	F	F
THPYR_06_377	1	0.633	75.3247	T	T
THPYR_06_385	2	1.8863	78.1794	F	F
THPYR_06_386	2	0.5253	85.0538	T	T
THPYR_06_389	1	1.0529	81.9792	F	F
THPYR_06_394	1	0.1072	82.7741	T	T
THPYR_06_397	1	0.7887	89.8095	T	T
THPYR_06_399	1	0.525	90.3308	T	T
THPYR_06_400	1	0.4884	81.0537	T	T
THPYR_06_402	1	1.0252	83.9592	F	F
THPYR_06_412	1	1.7898	89.4283	F	F

THPYR_06_413	1	0.9703	78.5633	T	T
THPYR_06_420	1	0.4956	87.2798	T	T
THPYR_06_427	1	0.9833	82.7595	T	T
THPYR_06_430	2	1.1744	83.9271	F	F

Legend	
GSF	GOLDScore Fitness Function

b) D83G_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
THIND_05_105	3	1.9838	78.335	F	F
THPYR_01_420	2	0.6811	76.8135	T	T
THPYR_02_009	1	1.2882	79.7735	F	F
THPYR_02_125	1	0.5369	74.247	T	T
THPYR_02_148	1	1.1698	78.7687	F	F
THPYR_02_316	1	0.4992	76.5518	T	T
THPYR_02_329	2	1.842	73.2368	F	F
THPYR_02_351	2	0.7554	70.9197	T	T
THPYR_02_426	3	1.3737	71.9499	F	F
THPYR_03_081	1	0.9929	74.4017	T	T
THPYR_03_222	2	1.9783	72.2942	F	F
THPYR_03_316	3	0.4337	72.743	T	T
THPYR_03_394	2	1.406	79.2323	F	F
THPYR_04_009	3	0.3174	77.4931	T	T
THPYR_04_083	1	0.3479	78.07	T	T
THPYR_04_185	3	0.8188	75.2046	T	T
THPYR_04_325	3	1.2612	74.3075	F	F
THPYR_04_377	3	1.0967	71.6484	F	F
THPYR_04_394	2	0.2165	77.3193	T	T
THPYR_04_407	1	0.1234	76.6592	T	T
THPYR_04_428	3	0.5416	77.3127	T	T
THPYR_05_009	1	0.2442	78.9814	T	T
THPYR_05_106	2	0.3126	76.9065	T	T
THPYR_05_185	1	0.9667	74.628	T	T
THPYR_05_222	1	1.212	74.3423	F	F
THPYR_05_420	2	0.2897	81.6782	T	T
THPYR_06_009	2	0.2782	82.3843	T	T
THPYR_06_039	2	0.2153	73.7859	T	T
THPYR_06_077	1	1.8026	78.7344	F	F
THPYR_06_081	1	0.4776	79.5169	T	T
THPYR_06_083	1	0.4725	78.0505	T	T
THPYR_06_106	2	0.2446	75.8187	T	T
THPYR_06_152	2	0.2844	77.5865	T	T
THPYR_06_222	1	1.0462	75.6924	F	F
THPYR_06_325	2	1.3335	76.3129	F	F
THPYR_06_329	1	0.6728	77.9053	T	T
THPYR_06_386	3	0.5253	76.1463	T	T
THPYR_06_394	2	0.1072	77.831	T	T
THPYR_06_407	1	0.1632	80.1757	T	T
THPYR_06_420	3	0.4956	78.3384	T	T
THPYR_06_428	3	0.8033	79.1558	T	T
THPYR_06_430	3	1.1744	76.9287	F	F

Legend	
GSF	GOLDScore Fitness Function

c) D83N_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
OXBC_02_114	3	0.7967	71.648	T	T
THIND_09_023	1	0.9861	85.3962	T	T
THIND_09_179	3	1.3999	83.0639	F	F
THIND_12_074	3	1.8854	85.5655	F	F
THIND_12_112	1	0.148	85.1463	T	T
THIND_13_080	1	1.7318	72.1433	F	F
THIND_16_112	1	0.8831	80.0198	T	T
THIND_16_124	2	0.6086	79.1793	T	T
THIND_16_246	2	1.8256	80.6976	F	F
THPYR_01_082	2	1.6144	85.6857	F	F
THPYR_01_420	1	0.6811	84.7423	T	T
THPYR_01_428	2	1.1342	75.3117	F	F
THPYR_02_009	1	1.2882	81.8685	F	F
THPYR_02_148	1	1.1698	85.2184	F	F
THPYR_02_329	1	1.842	76.0054	F	F
THPYR_02_400	1	1.9629	78.661	F	F
THPYR_02_420	1	1.3684	92.4183	F	F
THPYR_02_426	1	1.3737	78.2558	F	F
THPYR_03_009	3	1.3384	83.1615	F	F
THPYR_03_081	2	0.9929	81.5212	T	T
THPYR_03_083	2	0.83	83.5273	T	T
THPYR_03_148	1	0.3077	86.2868	T	T
THPYR_03_185	2	1.9329	81.3813	F	F
THPYR_03_394	1	1.406	89.7797	F	F
THPYR_03_407	2	0.756	80.9167	T	T
THPYR_03_420	1	1.6155	87.0695	F	F
THPYR_03_426	1	1.3912	80.6404	F	F
THPYR_04_009	1	0.3174	87.0991	T	T
THPYR_04_039	2	0.2929	75.8957	T	T
THPYR_04_076	3	1.1148	78.8683	F	F
THPYR_04_077	1	1.5535	84.5104	F	F
THPYR_04_081	1	0.508	85.4	T	T
THPYR_04_082	1	0.263	79.952	T	T
THPYR_04_106	1	0.2966	81.5429	T	T
THPYR_04_152	2	0.2439	78.7056	T	T
THPYR_04_185	1	0.8188	80.7628	T	T
THPYR_04_205	1	1.9055	82.55	F	F
THPYR_04_267	1	1.3552	85.5904	F	F
THPYR_04_365	2	0.6769	73.215	T	T
THPYR_04_377	1	1.0967	78.8354	F	F
THPYR_04_394	1	0.2165	86.8218	T	T
THPYR_04_397	1	0.8449	87.8376	T	T

THPYR_04_399	2	0.6009	85.5076	T	T
THPYR_04_400	2	0.4226	75.4633	T	T
THPYR_04_407	3	0.1234	79.0955	T	T
THPYR_04_412	2	0.8498	81.6246	T	T
THPYR_04_420	1	0.3683	85.1717	T	T
THPYR_04_428	1	0.5416	90.5459	T	T
THPYR_05_009	3	0.2442	75.347	T	T
THPYR_05_039	2	0.2336	83.7623	T	T
THPYR_05_048	2	0.9605	80.3365	T	T
THPYR_05_077	1	1.191	84.0389	F	F
THPYR_05_081	2	0.544	81.4487	T	T
THPYR_05_082	2	0.2353	85.7736	T	T
THPYR_05_106	1	0.3126	85.5743	T	T
THPYR_05_114	3	1.1918	76.3196	F	F
THPYR_05_182	2	1.8488	81.5687	F	F
THPYR_05_222	2	1.212	82.3066	F	F
THPYR_05_267	1	1.129	80.5355	F	F
THPYR_05_315	1	0.6249	86.4752	T	T
THPYR_05_325	2	1.2549	77.0901	F	F
THPYR_05_386	1	0.6431	89.9949	T	T
THPYR_05_399	1	0.6053	84.998	T	T
THPYR_05_412	1	1.6478	82.9488	F	F
THPYR_05_420	1	0.2897	84.6917	T	T
THPYR_06_017	1	0.8054	82.2822	T	T
THPYR_06_039	1	0.2153	84.6303	T	T
THPYR_06_048	1	0.8162	92.6394	T	T
THPYR_06_052	3	1.328	81.8959	F	F
THPYR_06_076	1	1.1625	86.6339	F	F
THPYR_06_081	2	0.4776	87.36	T	T
THPYR_06_082	1	0.1201	91.4627	T	T
THPYR_06_083	1	0.4725	86.98	T	T
THPYR_06_106	3	0.2446	84.3338	T	T
THPYR_06_114	1	1.2266	82.4418	F	F
THPYR_06_152	3	0.2844	82.7797	T	T
THPYR_06_185	3	0.9022	82.7147	T	T
THPYR_06_189	1	1.7262	88.7268	F	F
THPYR_06_249	1	1.7183	83.4868	F	F
THPYR_06_254	1	1.9253	86.1402	F	F
THPYR_06_267	2	1.1735	83.7039	F	F
THPYR_06_281	3	1.7037	81.3577	F	F
THPYR_06_315	3	0.4861	82.766	T	T
THPYR_06_325	1	1.3335	81.2166	F	F
THPYR_06_377	2	0.633	79.464	T	T
THPYR_06_386	2	0.5253	77.8107	T	T
THPYR_06_394	3	0.1072	86.6798	T	T

THPYR_06_397	1	0.7887	85.4655	T	T
THPYR_06_399	2	0.525	85.7442	T	T
THPYR_06_407	3	0.1632	78.4694	T	T
THPYR_06_411	2	0.8863	82.1974	T	T
THPYR_06_412	1	1.7898	85.6614	F	F
THPYR_06_420	3	0.4956	85.2526	T	T
THPYR_06_428	3	0.8033	85.1544	T	T
THPYR_06_430	1	1.1744	86.4134	F	F

Legend	
GSF	GOLDScore Fitness Function

d) M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
OXBC_01_371	1	0.5026	74.8523	T	T
OXBC_02_114	1	0.7967	71.8489	T	T
OXBC_02_184	2	1.9902	71.478	F	F
OXBC_02_254	2	1.0812	70.2055	F	F
THIND_05_105	1	1.9838	87.96	F	F
THIND_05_260	1	0.9986	79.1778	T	T
THIND_08_131	2	1.3065	70.4455	F	F
THIND_09_023	1	0.9861	89.322	T	T
THIND_09_058	1	0.3156	84.3075	T	T
THIND_09_113	1	0.9152	82.9524	T	T
THIND_09_176	3	1.1327	83.6966	F	F
THIND_09_179	2	1.3999	80.9634	F	F
THIND_09_369	2	1.7254	83.2953	F	F
THIND_10_131	1	0.2951	71.3886	T	T
THIND_12_076	2	0.3049	86.4753	T	T
THIND_12_112	1	0.148	79.9708	T	T
THIND_13_246	3	0.2419	75.2067	T	T
THIND_13_247	3	0.0732	74.023	T	T
THIND_16_078	3	0.6399	77.6123	T	T
THIND_16_112	3	0.8831	71.398	T	T
THPYR_01_037	2	1.2882	71.8407	F	F
THPYR_01_082	2	1.6144	77.7123	F	F
THPYR_01_114	2	1.8484	77.653	F	F
THPYR_01_315	2	1.6649	79.5173	F	F
THPYR_01_329	2	0.6343	77.5843	T	T
THPYR_01_386	1	1.0617	83.5309	F	F
THPYR_01_420	1	0.6811	83.1303	T	T
THPYR_01_428	2	1.1342	77.0244	F	F
THPYR_01_429	3	1.5104	76.8644	F	F
THPYR_02_009	1	1.2882	85.9169	F	F
THPYR_02_125	1	0.5369	76.089	T	T
THPYR_02_187	2	0.5665	70.3249	T	T
THPYR_02_316	1	0.4992	82.3368	T	T
THPYR_02_329	1	1.842	77.5725	F	F
THPYR_02_351	1	0.7554	75.5628	T	T
THPYR_02_355	1	1.4371	80.1603	F	F
THPYR_02_371	1	1.6248	81.1434	F	F
THPYR_02_407	1	0.7954	86.671	T	T
THPYR_02_420	1	1.3684	86.2553	F	F
THPYR_02_426	1	1.3737	77.0373	F	F
THPYR_03_009	2	1.3384	87.0556	F	F
THPYR_03_076	1	1.9191	83.7699	F	F

THPYR_03_082	1	0.5311	88.2872	T	T
THPYR_03_083	2	0.83	75.45	T	T
THPYR_03_114	1	1.8446	86.4051	F	F
THPYR_03_148	1	0.3077	81.4649	T	T
THPYR_03_178	3	0.7602	8.7486	T	T
THPYR_03_185	1	1.9329	86.6977	F	F
THPYR_03_222	1	1.9783	84.5484	F	F
THPYR_03_223	1	1.5314	83.1271	F	F
THPYR_03_276	3	1.5413	71.0268	F	F
THPYR_03_329	2	0.7251	79.4886	T	T
THPYR_03_394	2	1.406	82.347	F	F
THPYR_03_407	3	0.756	79.3419	T	T
THPYR_03_420	1	1.6155	87.2379	F	F
THPYR_04_001	3	1.0877	73.9103	F	F
THPYR_04_016	2	0.4367	76.6228	T	T
THPYR_04_039	1	0.2929	77.1105	T	T
THPYR_04_052	1	0.4089	82.824	T	T
THPYR_04_059	1	1.3176	71.2051	F	F
THPYR_04_076	1	1.1148	82.7594	F	F
THPYR_04_077	1	1.5535	81.9411	F	F
THPYR_04_081	2	0.508	79.9231	T	T
THPYR_04_082	1	0.263	88.0507	T	T
THPYR_04_144	1	1.1593	73.4258	F	F
THPYR_04_185	1	0.8188	87.2876	T	T
THPYR_04_205	2	1.9055	82.5853	F	F
THPYR_04_222	3	1.0755	77.4092	F	F
THPYR_04_223	1	0.808	85.0389	T	T
THPYR_04_227	1	0.1621	75.3045	T	T
THPYR_04_241	3	0.8285	73.795	T	T
THPYR_04_253	1	1.3999	80.1776	F	F
THPYR_04_275	1	1.6665	77.646	F	F
THPYR_04_310	3	0.3311	75.482	T	T
THPYR_04_325	2	1.2612	83.6848	F	F
THPYR_04_329	2	0.349	74.7444	T	T
THPYR_04_331	2	1.7474	78.1021	F	F
THPYR_04_377	1	1.0967	80.9225	F	F
THPYR_04_385	1	1.5191	77.8146	F	F
THPYR_04_386	2	0.7762	84.8846	T	T
THPYR_04_394	2	0.2165	79.7614	T	T
THPYR_04_397	1	0.8449	89.9685	T	T
THPYR_04_398	1	1.6218	84.2324	F	F
THPYR_04_399	1	0.6009	86.6757	T	T
THPYR_04_402	1	0.8796	88.5382	T	T
THPYR_04_407	1	0.1234	84.4104	T	T
THPYR_04_420	2	0.3683	86.2322	T	T

THPYR_04_427	2	0.6003	85.2763	T	T
THPYR_04_428	2	0.5416	85.516	T	T
THPYR_04_429	1	0.9694	82.013	T	T
THPYR_04_430	1	0.8722	88.9212	T	T
THPYR_05_009	1	0.2442	88.6612	T	T
THPYR_05_039	1	0.2336	82.2444	T	T
THPYR_05_041	1	1.5438	77.8058	F	F
THPYR_05_052	1	0.6446	84.8782	T	T
THPYR_05_059	1	1.3568	76.8109	F	F
THPYR_05_076	1	1.1598	83.3237	F	F
THPYR_05_077	1	1.191	81.6568	F	F
THPYR_05_081	1	0.544	83.8202	T	T
THPYR_05_082	1	0.2353	84.6755	T	T
THPYR_05_083	1	0.3326	83.6221	T	T
THPYR_05_106	1	0.3126	81.2345	T	T
THPYR_05_114	1	1.1918	79.0486	F	F
THPYR_05_152	2	0.3065	79.9511	T	T
THPYR_05_182	3	1.8488	83.4438	F	F
THPYR_05_189	2	1.3113	77.7593	F	F
THPYR_05_214	1	1.7997	76.7429	F	F
THPYR_05_220	1	1.1269	87.5014	F	F
THPYR_05_222	1	1.212	80.3601	F	F
THPYR_05_227	1	0.1832	81.7624	T	T
THPYR_05_234	2	1.1569	73.8875	F	F
THPYR_05_241	3	1.075	77.33	F	F
THPYR_05_278	2	0.2782	78.9977	T	T
THPYR_05_304	1	0.455	80.2857	T	T
THPYR_05_310	1	0.3827	82.0948	T	T
THPYR_05_315	1	0.6249	80.9959	T	T
THPYR_05_325	1	1.2549	83.9868	F	F
THPYR_05_329	3	0.5682	76.6548	T	T
THPYR_05_331	1	1.8471	80.4201	F	F
THPYR_05_341	1	1.4696	82.0952	F	F
THPYR_05_344	1	1.6319	77.5526	F	F
THPYR_05_347	1	1.4921	79.9387	F	F
THPYR_05_352	1	1.3173	78.6625	F	F
THPYR_05_371	1	0.1083	93.0775	T	T
THPYR_05_373	1	1.4191	80.9297	F	F
THPYR_05_377	1	1.3222	75.077	F	F
THPYR_05_386	2	0.6431	79.5598	T	T
THPYR_05_394	1	0.1882	82.4	T	T
THPYR_05_397	1	0.8091	87.2064	T	T
THPYR_05_398	1	1.6203	83.4278	F	F
THPYR_05_399	2	0.6053	81.1317	T	T
THPYR_05_407	1	0.1565	89.8576	T	T

THPYR_05_413	1	1.3155	77.007	F	F
THPYR_05_415	1	1.5129	82.2124	F	F
THPYR_05_418	1	0.5708	82.4029	T	T
THPYR_05_420	1	0.2897	87.5934	T	T
THPYR_05_429	2	1.0106	79.6315	F	F
THPYR_05_430	3	0.9632	76.6531	T	T
THPYR_06_002	1	0.3479	79.3645	T	T
THPYR_06_009	2	0.2782	88.6041	T	T
THPYR_06_017	3	0.8054	73.7975	T	T
THPYR_06_039	3	0.2153	78.2388	T	T
THPYR_06_048	1	0.8162	83.4278	T	T
THPYR_06_052	1	1.328	86.445	F	F
THPYR_06_059	2	1.2921	75.1666	F	F
THPYR_06_072	2	1.5321	84.6336	F	F
THPYR_06_076	1	1.1625	80.7402	F	F
THPYR_06_077	2	1.8026	77.6646	F	F
THPYR_06_081	1	0.4776	80.0407	T	T
THPYR_06_082	2	0.1201	80.2868	T	T
THPYR_06_083	1	0.4725	88.1862	T	T
THPYR_06_106	1	0.2446	88.0376	T	T
THPYR_06_114	1	1.2266	87.1473	F	F
THPYR_06_152	2	0.2844	82.5617	T	T
THPYR_06_156	1	0.1878	80.9406	T	T
THPYR_06_185	3	0.9022	80.9113	T	T
THPYR_06_189	1	1.7262	83.8647	F	F
THPYR_06_220	3	1.7266	82.659	F	F
THPYR_06_221	2	0.187	83.6919	T	T
THPYR_06_222	1	1.0462	84.5781	F	F
THPYR_06_223	1	0.863	82.9266	T	T
THPYR_06_226	2	0.1395	84.0549	T	T
THPYR_06_227	1	0.1729	87.4316	T	T
THPYR_06_234	2	1.0812	75.6874	F	F
THPYR_06_249	1	1.7183	87.7943	F	F
THPYR_06_251	2	0.2808	81.338	T	T
THPYR_06_252	2	0.3575	79.1066	T	T
THPYR_06_254	1	1.9253	90.292	F	F
THPYR_06_267	1	1.1735	84.8427	F	F
THPYR_06_275	1	1.9616	84.8459	F	F
THPYR_06_276	3	0.3475	74.218	T	T
THPYR_06_278	1	0.2102	88.04	T	T
THPYR_06_281	1	1.7037	85.5816	F	F
THPYR_06_295	2	1.6604	79.1338	F	F
THPYR_06_301	2	0.9082	80.0786	T	T
THPYR_06_315	1	0.4861	80.5211	T	T
THPYR_06_325	1	1.3335	85.5725	F	F

THPYR_06_329	3	0.6728	76.9214	T	T
THPYR_06_347	1	0.7042	82.8376	T	T
THPYR_06_348	3	0.5353	87.3252	T	T
THPYR_06_352	1	1.0554	85.5465	F	F
THPYR_06_355	3	0.2092	86.5883	T	T
THPYR_06_365	3	1.2871	83.629	F	F
THPYR_06_371	1	0.1604	88.8943	T	T
THPYR_06_373	1	1.5125	83.9857	F	F
THPYR_06_377	1	0.633	79.7062	T	T
THPYR_06_386	1	0.5253	86.3565	T	T
THPYR_06_394	2	0.1072	85.4509	T	T
THPYR_06_397	1	0.7887	87.4671	T	T
THPYR_06_399	1	0.525	87.0602	T	T
THPYR_06_407	2	0.1632	90.666	T	T
THPYR_06_411	1	0.8863	87.5389	T	T
THPYR_06_412	3	1.7898	83.3082	F	F
THPYR_06_418	1	0.6276	85.9861	T	T
THPYR_06_420	1	0.4956	87.3368	T	T
THPYR_06_426	1	0.8166	82.535	T	T
THPYR_06_427	2	0.9833	85.753	T	T
THPYR_06_428	1	0.8033	90.7608	T	T
THPYR_06_430	1	1.1744	89.3787	F	F

Legend	
GSF	GOLDScore Fitness Function

e) D83G+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
THIND_09_176	3	1.1327	75.1634	F	F
THIND_12_074	1	1.8854	83.2313	F	F
THIND_12_112	3	0.148	75.8873	T	T
THPYR_02_009	3	1.2882	76.5163	F	F
THPYR_02_148	1	1.1698	80.9437	F	F
THPYR_02_329	1	1.842	79.5143	F	F
THPYR_02_407	1	0.7954	78.236	T	T
THPYR_02_420	1	1.3684	82.4989	F	F
THPYR_02_426	1	1.3737	75.8446	F	F
THPYR_03_034	1	0.5625	72.2832	T	T
THPYR_03_072	2	1.0259	74.3233	F	F
THPYR_03_076	1	1.9191	76.8436	F	F
THPYR_03_081	2	0.9929	81.2821	T	T
THPYR_03_082	2	0.5311	77.0148	T	T
THPYR_03_114	2	1.8446	77.0598	F	F
THPYR_03_125	1	0.4562	81.3468	T	T
THPYR_03_148	1	0.3077	79.0654	T	T
THPYR_03_185	2	1.9329	75.2327	F	F
THPYR_03_222	1	1.9783	78.4243	F	F
THPYR_03_329	3	0.7251	73.7965	T	T
THPYR_03_394	1	1.406	80.287	F	F
THPYR_03_407	2	0.756	76.3312	T	T
THPYR_03_420	1	1.6155	79.9662	F	F
THPYR_03_426	3	1.3912	71.6163	F	F
THPYR_04_009	2	0.3174	78.2537	T	T
THPYR_04_039	3	0.2929	72.1768	T	T
THPYR_04_082	1	0.263	79.498	T	T
THPYR_04_083	2	0.3479	77.0808	T	T
THPYR_04_185	2	0.8188	78.4641	T	T
THPYR_04_234	3	1.1623	71.6601	F	F
THPYR_04_267	1	1.3552	77.4281	F	F
THPYR_04_346	1	1.8072	71.3485	F	F
THPYR_04_365	2	0.6769	84.4772	T	T
THPYR_04_385	2	1.5191	75.2434	F	F
THPYR_04_394	2	0.2165	81.848	T	T
THPYR_05_039	1	0.2336	79.2143	T	T
THPYR_05_076	1	1.1598	78.8851	F	F
THPYR_05_077	1	1.191	77.8843	F	F
THPYR_05_081	1	0.544	81.2477	T	T
THPYR_05_082	2	0.2353	77.5948	T	T
THPYR_05_106	2	0.3126	77.9898	T	T
THPYR_05_185	1	0.9667	76.4761	T	T

THPYR_05_222	1	1.212	79.5338	F	F
THPYR_05_267	2	1.129	75.3556	F	F
THPYR_05_325	1	1.2549	77.9504	F	F
THPYR_05_329	3	0.5682	73.8104	T	T
THPYR_05_331	1	1.8471	77.4148	F	F
THPYR_05_386	2	0.6431	77.5288	T	T
THPYR_05_394	1	0.1882	80.4086	T	T
THPYR_05_397	3	0.8091	77.4777	T	T
THPYR_05_399	2	0.6053	76.8382	T	T
THPYR_05_412	3	1.6478	79.9118	F	F
THPYR_05_430	3	0.9632	78.5256	T	T
THPYR_06_001	3	1.3474	77.255	F	F
THPYR_06_009	3	0.2782	79.0331	T	T
THPYR_06_017	3	0.8054	70.8592	T	T
THPYR_06_048	2	0.8162	84.3411	T	T
THPYR_06_072	3	1.5321	75.7413	F	F
THPYR_06_076	2	1.1625	76.9859	F	F
THPYR_06_077	1	1.8026	79.5395	F	F
THPYR_06_081	1	0.4776	86.5427	T	T
THPYR_06_082	1	0.1201	82.0779	T	T
THPYR_06_083	1	0.4725	82.2305	T	T
THPYR_06_106	1	0.2446	80.5713	T	T
THPYR_06_114	2	1.2266	77.9051	F	F
THPYR_06_185	1	0.9022	79.8685	T	T
THPYR_06_222	2	1.0462	74.9805	F	F
THPYR_06_249	3	1.7183	79.2474	F	F
THPYR_06_254	3	1.9253	77.119	F	F
THPYR_06_267	2	1.1735	79.7254	F	F
THPYR_06_281	3	1.7037	81.3255	F	F
THPYR_06_325	2	1.3335	74.4636	F	F
THPYR_06_329	3	0.6728	75.5658	T	T
THPYR_06_365	1	1.2871	87.1036	F	F
THPYR_06_377	1	0.633	77.8989	T	T
THPYR_06_386	2	0.5253	81.032	T	T
THPYR_06_394	1	0.1072	82.1824	T	T
THPYR_06_397	2	0.7887	78.2488	T	T
THPYR_06_399	2	0.525	74.5644	T	T
THPYR_06_407	1	0.1632	75.6034	T	T
THPYR_06_411	3	0.8863	78.1075	T	T
THPYR_06_420	2	0.4956	79.8499	T	T
THPYR_06_426	3	0.8166	72.6169	T	T
THPYR_06_427	2	0.9833	81.788	T	T
THPYR_06_428	3	0.8033	78.8711	T	T
THPYR_06_430	1	1.1744	77.4633	F	F

Legend	
GSF	GOLDScore Fitness Function

f) D83N+M121K_{mod}

CLUSTER ID	DOCK POSE	IC50pred_combi	GSF	IC50pred_combi ≤ 1.0 (T/F)	Result (T/F)
OXBC_02_254	3	1.0812	73.8162	F	F
THIND_07_023	1	1.2682	73.0102	F	F
THIND_09_023	2	0.9861	88.5625	T	T
THIND_09_176	2	1.1327	78.7365	F	F
THIND_09_179	2	1.3999	83.0061	F	F
THIND_12_074	1	1.8854	87.9575	F	F
THIND_12_112	2	0.148	79.1693	T	T
THIND_16_078	3	0.6399	81.2864	T	T
THIND_16_112	1	0.8831	77.2706	T	T
THIND_16_124	1	0.6086	76.9392	T	T
THPYR_01_114	1	1.8484	74.7311	F	F
THPYR_01_185	1	1.6368	78.2049	F	F
THPYR_01_386	3	1.0617	74.9522	F	F
THPYR_02_009	2	1.2882	75.7933	F	F
THPYR_02_148	1	1.1698	86.4252	F	F
THPYR_02_329	1	1.842	79.2153	F	F
THPYR_03_029	1	1.0563	76.3801	F	F
THPYR_03_081	2	0.9929	74.5599	T	T
THPYR_03_082	1	0.5311	77.6424	T	T
THPYR_03_083	1	0.83	79.4374	T	T
THPYR_03_114	2	1.8446	77.5139	F	F
THPYR_03_148	1	0.3077	78.1081	T	T
THPYR_03_185	1	1.9329	82.862	F	F
THPYR_03_394	3	1.406	79.6738	F	F
THPYR_03_426	1	1.3912	82.4787	F	F
THPYR_04_147	1	1.8906	84.7421	F	F
THPYR_04_185	3	0.8188	77.5208	T	T
THPYR_04_205	1	1.9055	83.278	F	F
THPYR_04_386	3	0.7762	78.7319	T	T
THPYR_04_397	1	0.8449	82.0624	T	T
THPYR_04_399	3	0.6009	80.6006	T	T
THPYR_04_411	2	0.9596	81.4479	T	T
THPYR_04_412	3	0.8498	84.1551	T	T
THPYR_04_430	3	0.8722	74.388	T	T
THPYR_05_009	2	0.2442	78.7391	T	T
THPYR_05_015	1	1.1923	82.2593	F	F
THPYR_05_144	3	1.0718	76.3687	F	F
THPYR_05_146	1	1.5585	76.9011	F	F
THPYR_05_399	1	0.6053	87.1984	T	T
THPYR_05_400	1	0.4708	78.8457	T	T
THPYR_05_412	1	1.6478	84.6545	F	F
THPYR_05_420	1	0.2897	83.924	T	T

THPYR_06_017	1	0.8054	81.7181	T	T
THPYR_06_039	1	0.2153	84.518	T	T
THPYR_06_052	3	1.328	77.6853	F	F
THPYR_06_081	2	0.4776	74.7041	T	T
THPYR_06_082	1	0.1201	82.1898	T	T
THPYR_06_106	3	0.2446	80.1665	T	T
THPYR_06_185	1	0.9022	84.0922	T	T
THPYR_06_189	3	1.7262	79.3707	F	F
THPYR_06_220	2	1.7266	75.3911	F	F
THPYR_06_249	1	1.7183	83.1119	F	F
THPYR_06_254	1	1.9253	81.4828	F	F
THPYR_06_278	3	0.2102	75.6879	T	T
THPYR_06_329	1	0.6728	84.6484	T	T
THPYR_06_386	1	0.5253	89.5506	T	T
THPYR_06_394	2	0.1072	81.7872	T	T
THPYR_06_397	1	0.7887	87.1892	T	T
THPYR_06_399	2	0.525	84.0358	T	T
THPYR_06_407	1	0.1632	84.0128	T	T
THPYR_06_411	3	0.8863	87.0417	T	T
THPYR_06_412	2	1.7898	85.7006	F	F
THPYR_06_420	2	0.4956	80.2892	T	T
THPYR_06_428	3	0.8033	80.9752	T	T
THPYR_06_430	1	1.1744	84.0245	F	F

Legend	
GSF	GOLDScore Fitness Function