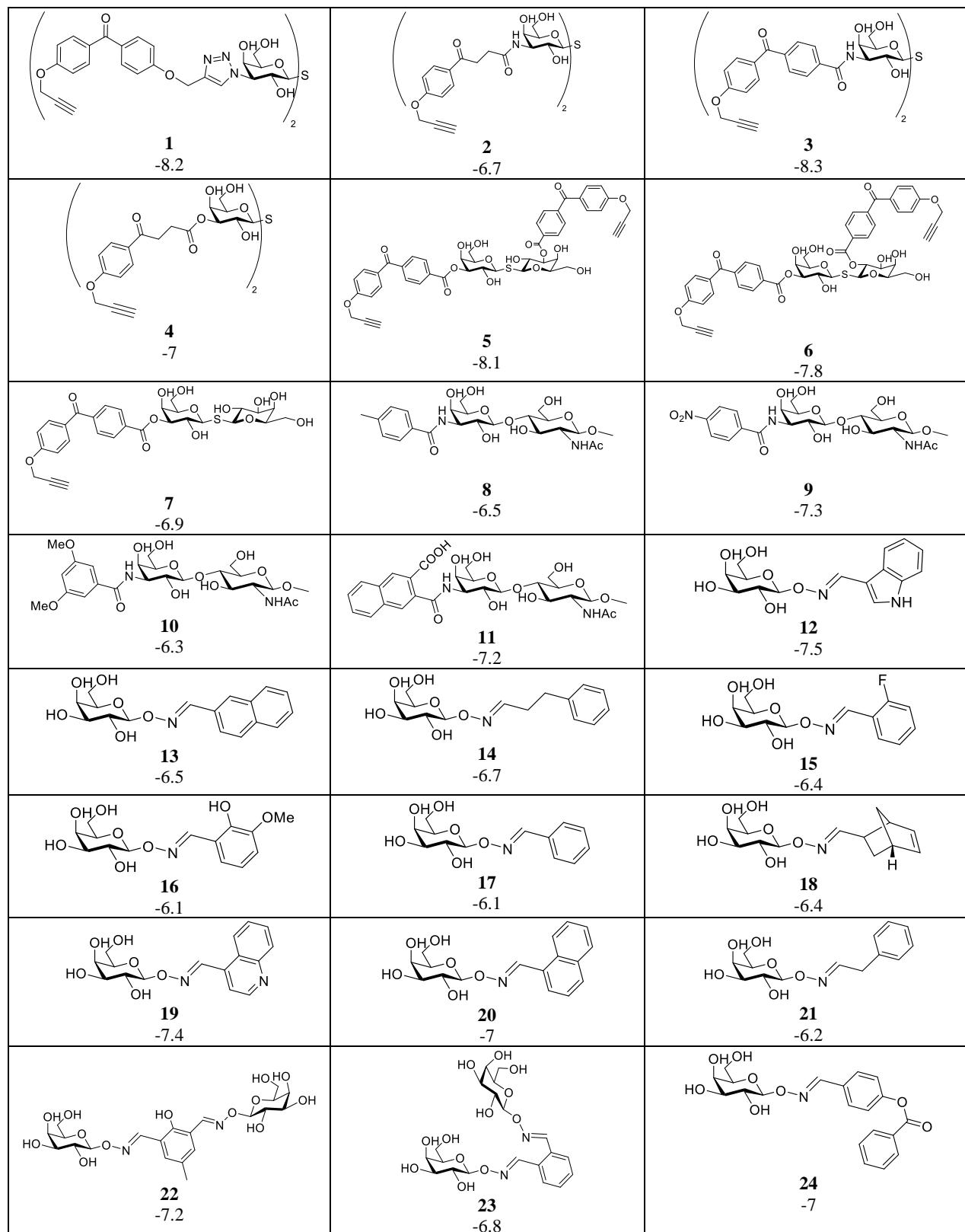
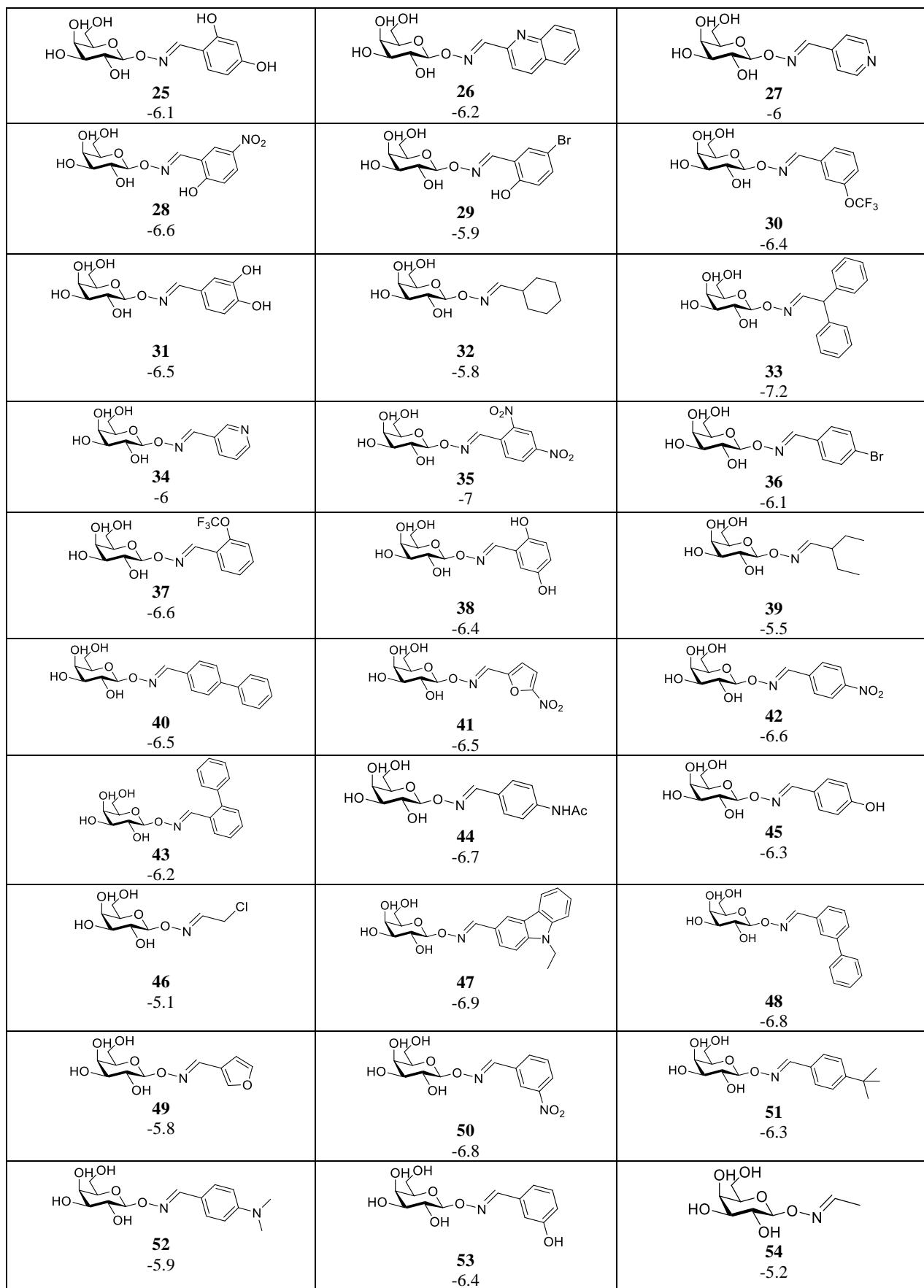
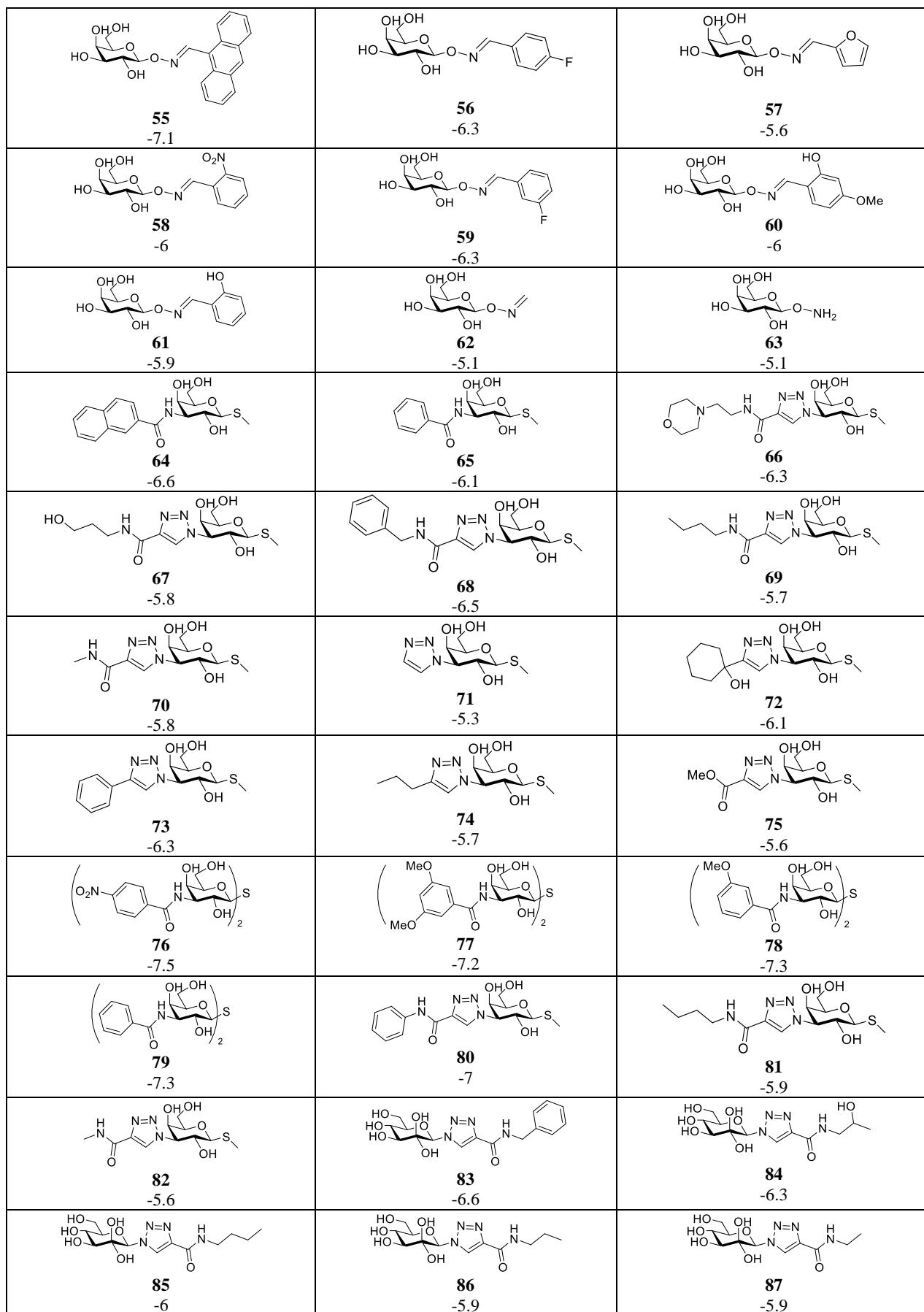


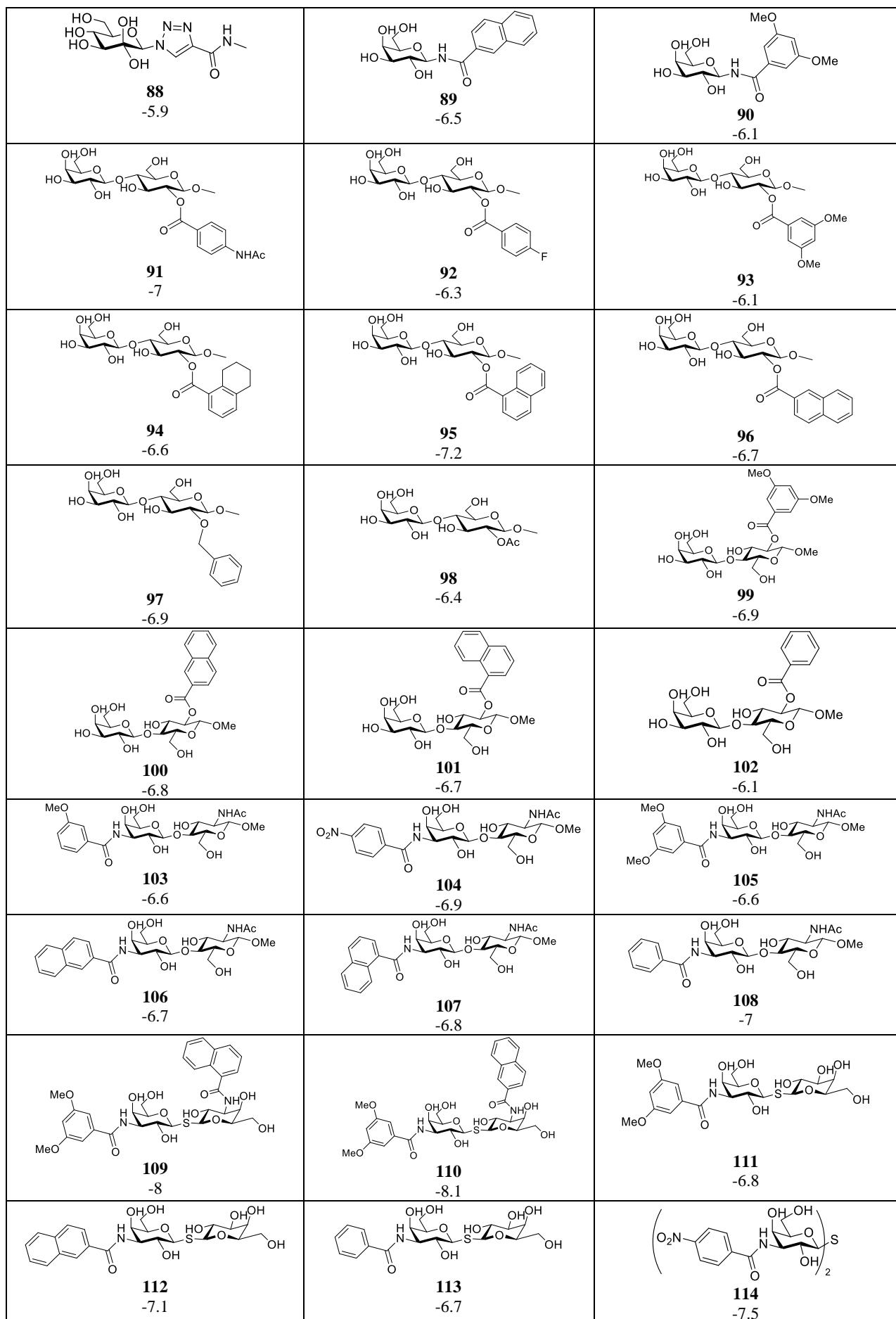
Supplementary File

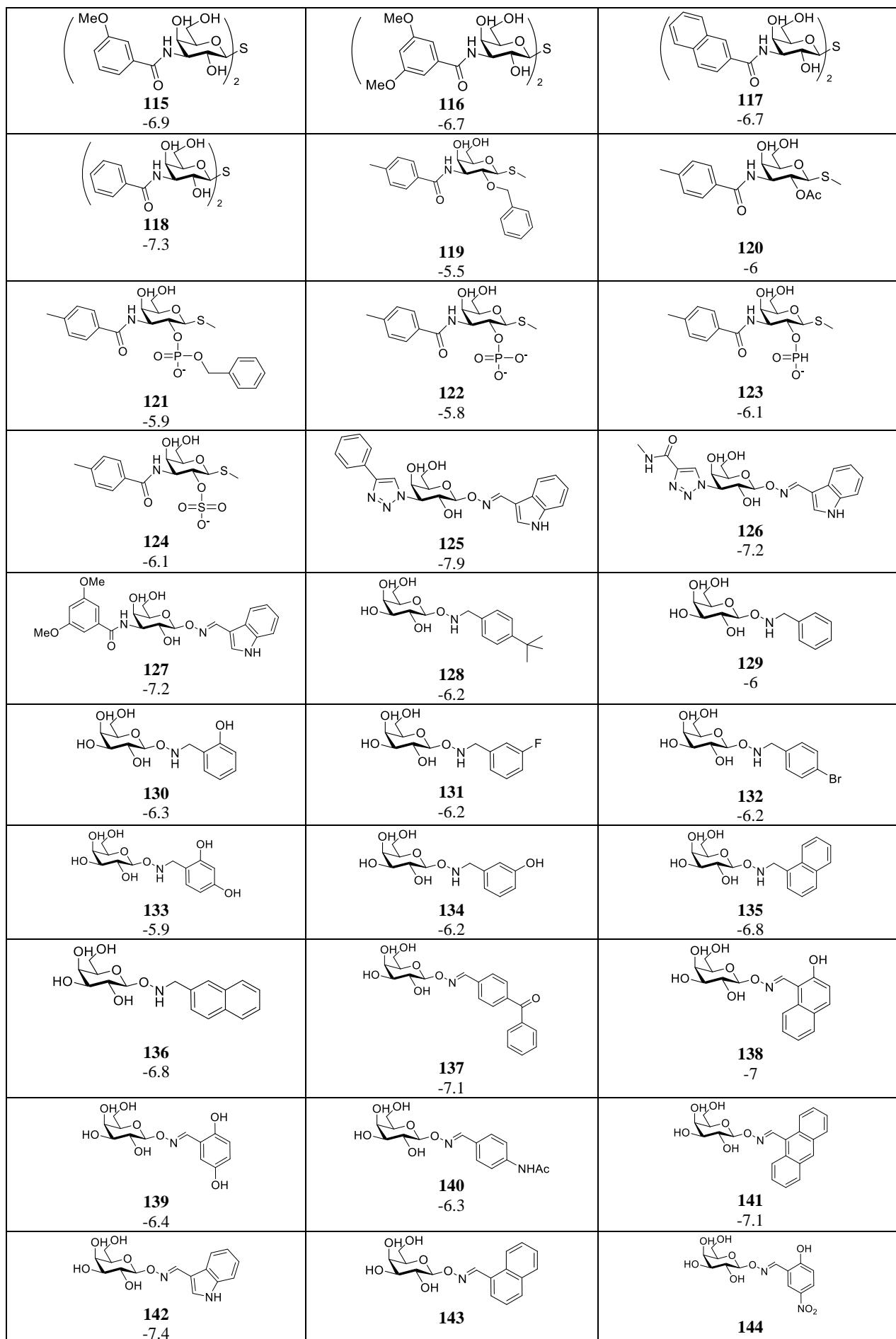
Table S1: 2D structure of the screened ligands along with ligand numbers and binding energy in kcal/mol

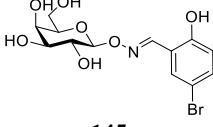
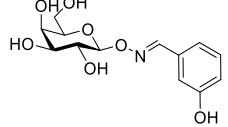
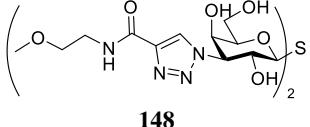
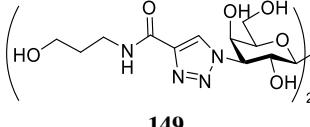
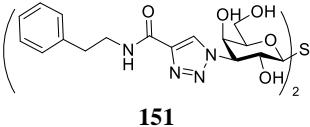
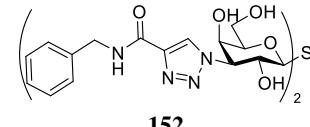
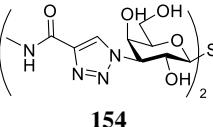
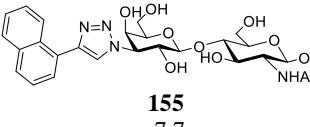
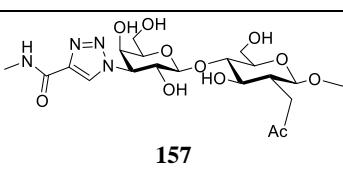
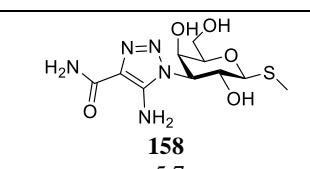
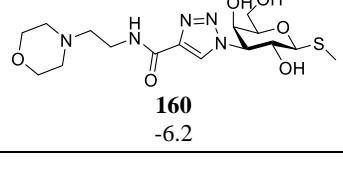
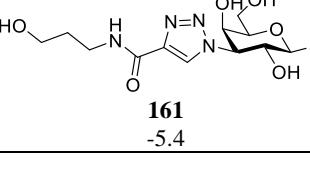
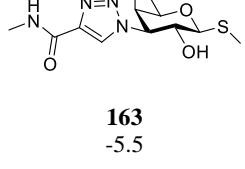
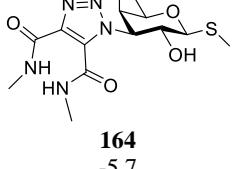
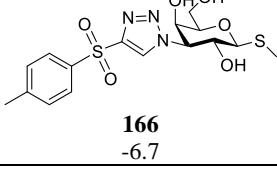
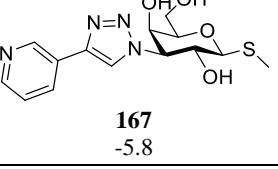
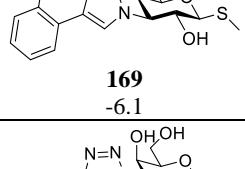
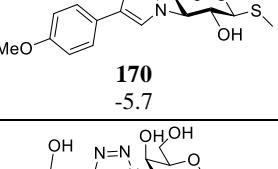
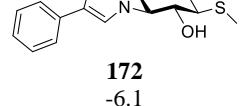
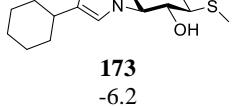


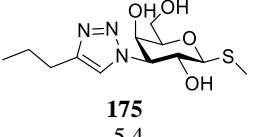
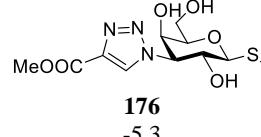
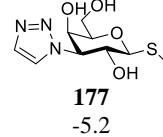
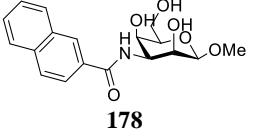
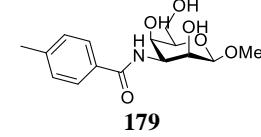
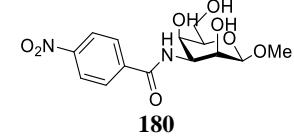
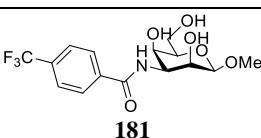
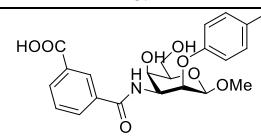
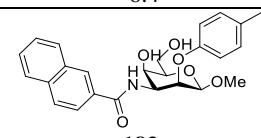
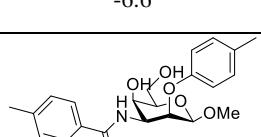
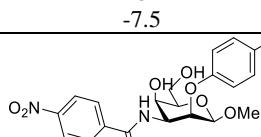
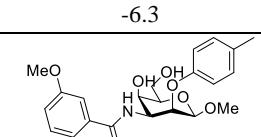
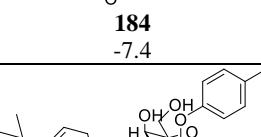
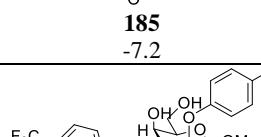
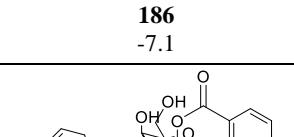
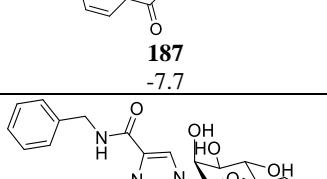
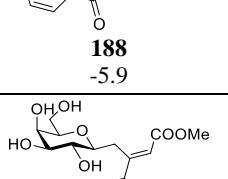
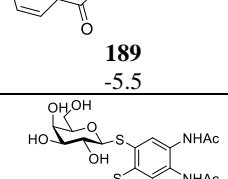
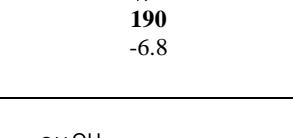
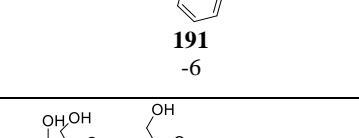
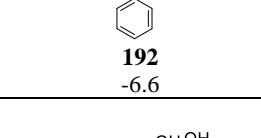
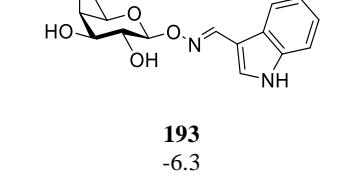
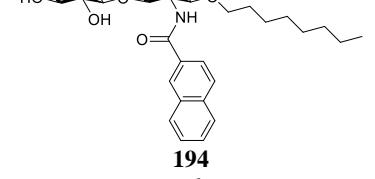
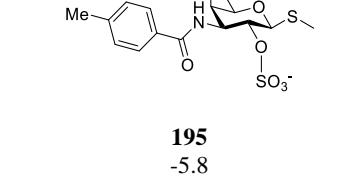
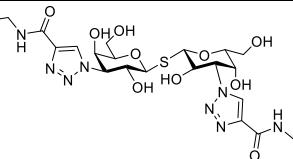
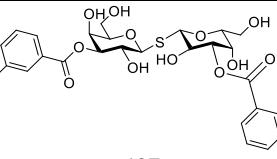
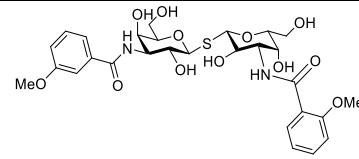
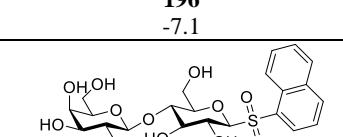
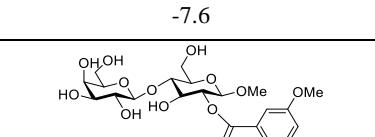
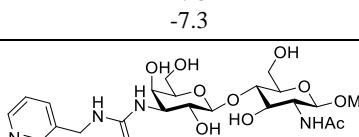




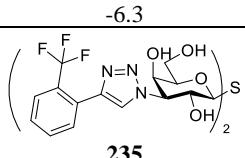
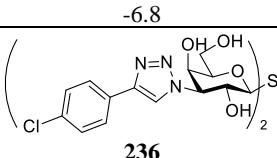
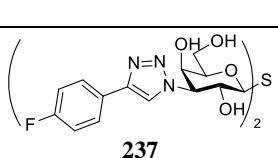
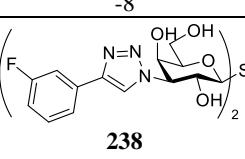
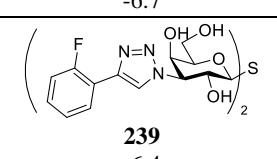
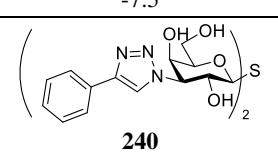
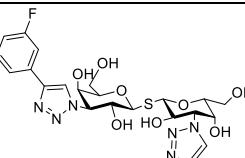
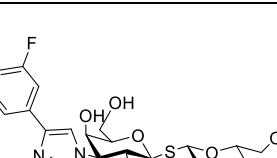
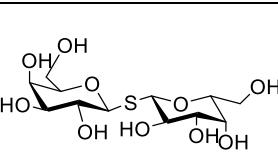
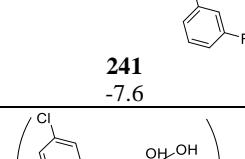
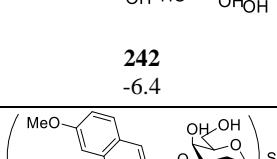
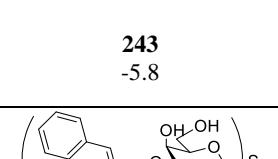
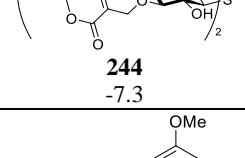
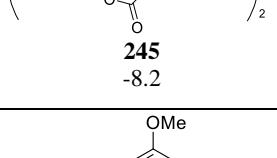
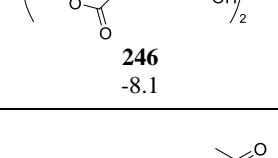
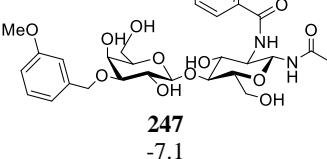
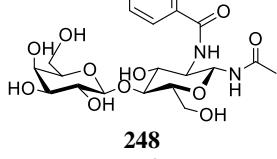
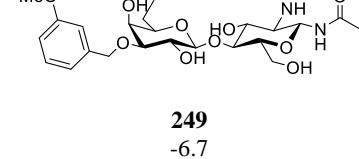
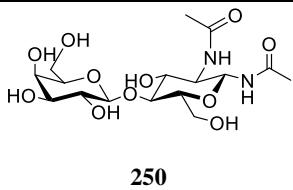
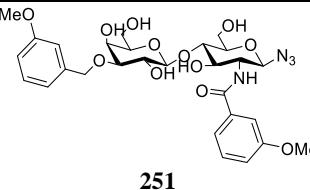
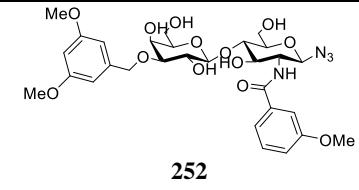
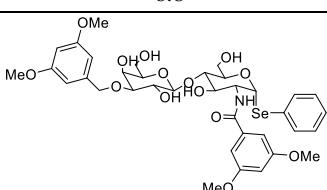
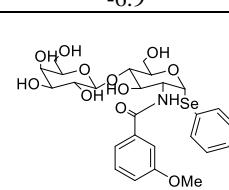
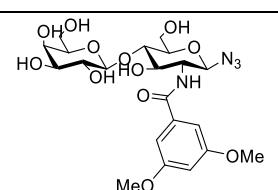
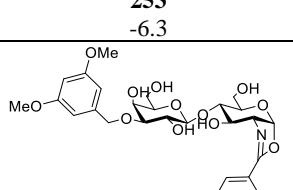
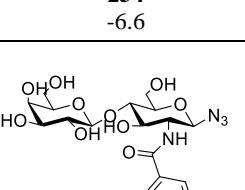
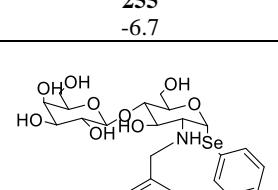


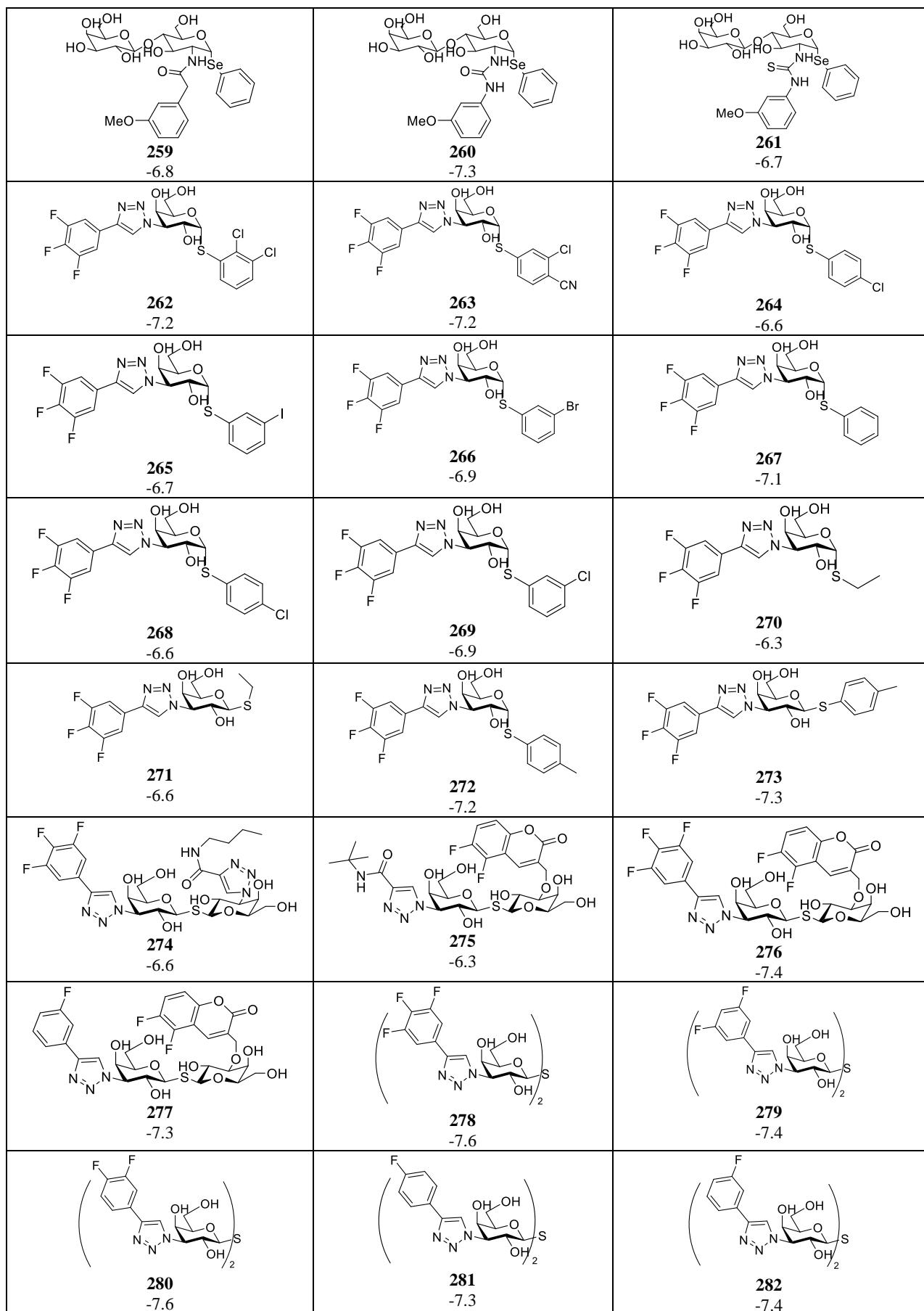


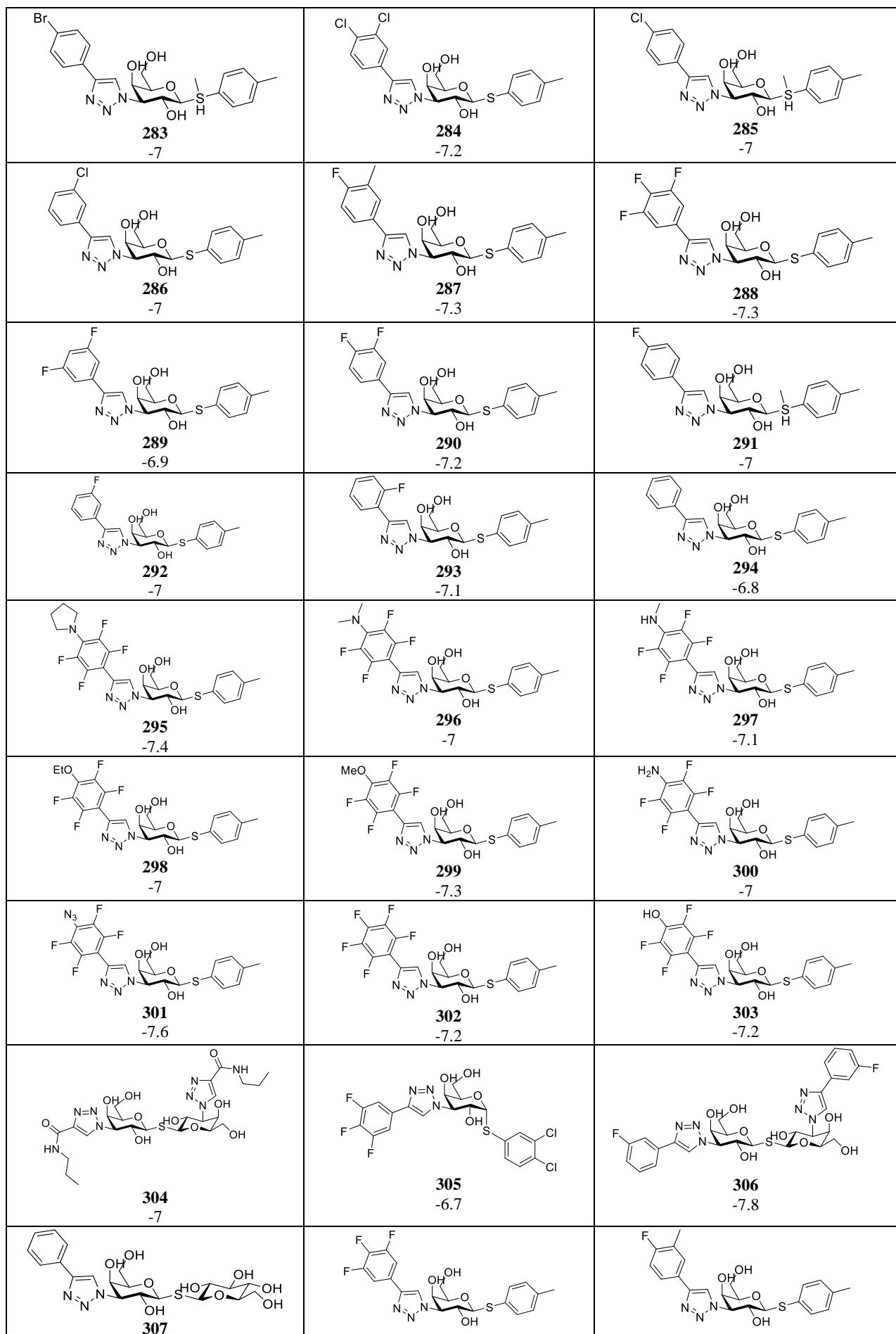
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247 -7.1 	248 -6.8 	249 -6.7 
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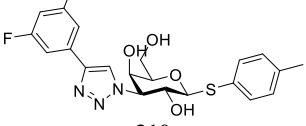
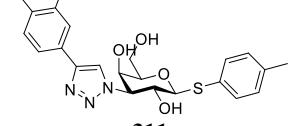
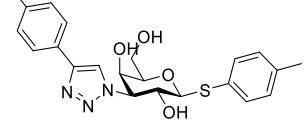
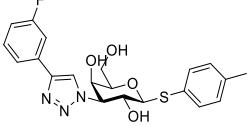
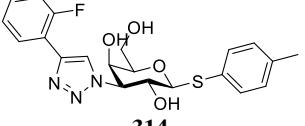
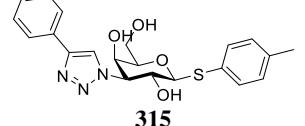
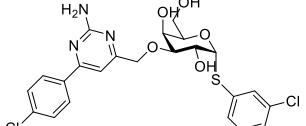
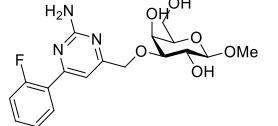
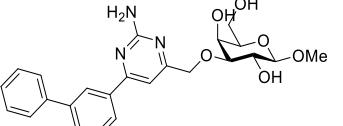
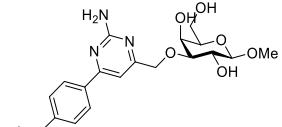
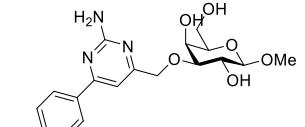
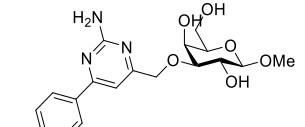
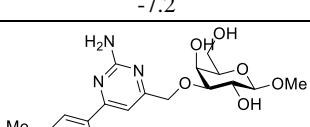
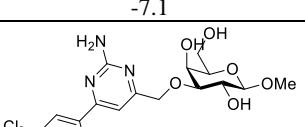
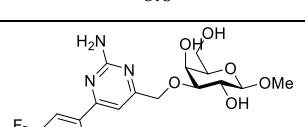
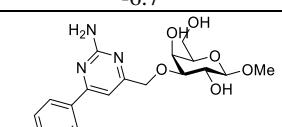
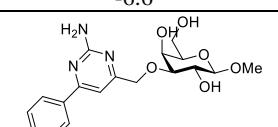
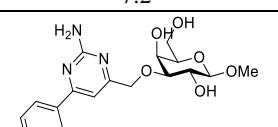
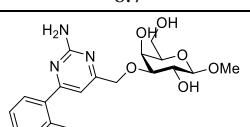
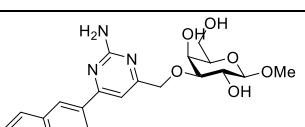
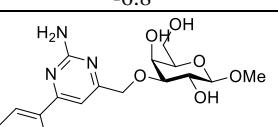
-6.4	308 -7.3	309 -7.1
 310 -6.9	 311 -7.3	 312 -6.9
 313 -7	 314 -7.1	 315 -6.8
 316 -7	 317 -6.7	 318 -7.3
 319 -7.2	 320 -7.1	 321 -6.6
 322 -6.7	 323 -6.6	 324 -7.2
 325 -6.7	 326 -6.8	 327 -6.8
 328 -6.9	 329 -7.2	 330 -6.6

Table S2: ADME properties for all screened ligands

Ligand No.	Mol Wt	HB donor	HB acceptor	QPlogPo /w	QPPC aco	QPlogB B	% HOA	PSA	N & O	Rule Of 5	Rule Of 3	Ring atoms
1	989.021	7	26.1	1.879	5.863	-4.878	12.818	277.87	2 0	3	2	46
2	784.831	9	24.6	-1.002	1.415	-6.129	0	284.19	1 6	3	2	24
3	880.919	9	24.6	1.69	2.578	-6.526	5.325	278.85	1 6	3	3	36
4	786.8	7	23.6	1.025	8.599	-5.506	10.796	274.89	1 6	3	2	24
5	882.888	7	23.6	2.239	1.953	-6.729	6.379	275.59	1 6	3	3	36
6	882.888	7	23.6	1.624	6.913	-4.644	12.607	267.37	1 6	3	2	36
7	620.624	7.5	20.55	-0.939	5.252	-4.625	0	230.77	1 3	3	2	24
8	514.528	7	20.3	-2.01	24.556	-3.087	1.185	206.17	1 3	3	0	18
9	545.499	7	21.3	-2.972	2.91	-4.291	0	251.1	1 6	3	1	18
10	560.554	7	21.8	-2.08	21.01	-3.444	0	223.05	1 5	3	2	18
11	594.571	8	22.3	-1.971	1.231	-4.075	0	251.85	1 5	3	1	22
12	322.317	5	11.7	-0.611	101.60 9	-1.944	59.289	125.95	8	0	0	15
13	333.34	4	11.7	-0.014	167.82 3	-1.834	66.683	113.26	7	0	0	16
14	311.334	4	11.7	-0.323	105.65 8	-2.252	61.279	130.92	7	0	0	12
15	301.271	4	11.7	-0.584	167.28 6	-1.701	63.322	114.81	7	0	0	12
16	329.306	5	13.2	-1.245	69.318	-2.368	52.601	142.18	9	0	0	12
17	283.28	4	11.7	-0.777	167.61 3	-1.744	62.205	113.37	7	0	0	12
18	299.323	4	11.7	-0.762	117.22 2	-1.977	59.513	128.43	7	0	1	13
19	334.328	4	12.7	-0.627	103.33	-2.056	59.326	125.27	8	0	0	16
20	333.34	4	11.7	-0.018	171.06 6	-1.836	66.812	114.51	7	0	0	16
21	297.307	4	11.7	-0.614	116.94 7	-1.99	60.362	129.84	7	0	0	12
22	518.474	9	24.15	-4.043	2.42	-5.09	0	245.02	1 5	3	2	18
23	488.447	8	23.4	-3.798	4.544	-4.674	0	224.08	1 4	2	2	18
24	403.388	4	14.2	-0.016	72.94	-2.626	60.194	148.46	9	0	0	18
25	315.279	6	13.2	-1.979	18.678	-2.932	25.155	158.37	9	1	1	12
26	334.328	4	12.7	-0.492	132.00 3	-1.975	62.017	124.99	8	0	0	16
27	284.268	4	13.2	-1.56	91	-2.003	52.874	126.22	8	0	0	12
28	344.277	5	13.45	-2.063	7.641	-3.4	17.713	179.83	1 1	1	1	12
29	378.176	5	12.45	-0.783	78.112	-2.047	56.235	133.77	8	0	0	12
30	367.278	4	11.7	0.216	174.08 2	-1.633	68.315	121.95	8	0	0	12
31	315.279	6	13.2	-1.986	18.217	-2.952	24.92	158.98	9	1	1	12

32	289.328	4	11.7	-0.862	123.13 3	-1.908	59.314	127.39	7	0	0	12
33	373.405	4	11.7	0.789	152.43 7	-2.094	70.64	124.83	7	0	1	18
34	284.268	4	13.2	-1.548	90.251	-2.049	52.879	127.8	8	0	0	12
35	373.276	4	13.7	-2.144	2.877	-3.924	9.647	203.56	1 3	1	1	12
36	362.176	4	11.7	-0.291	167.14 4	-1.608	65.031	113.38	7	0	0	12
37	367.278	4	11.7	0.244	173.08 7	-1.629	68.437	120.24	8	0	0	12
38	315.279	6	13.2	-1.979	18.703	-2.932	25.166	158.36	9	1	1	12
39	277.317	4	11.7	-0.748	215.70 7	-1.753	64.336	123.29	7	0	0	6
40	359.378	4	11.7	0.573	173.11 1	-2.012	70.36	114.18	7	0	0	18
41	318.24	4	13.2	-2.096	12.767	-3.126	21.512	173.88	1 1	1	1	11
42	328.278	4	12.7	-1.507	20.011	-2.83	41.41	158.29	1 0	0	1	12
43	359.378	4	11.7	0.582	168.26 8	-2.006	70.193	114.75	7	0	0	18
44	340.332	5	14.2	-1.364	46.031	-2.657	48.724	153.51	9	0	0	12
45	299.28	5	12.45	-1.413	50.677	-2.361	49.186	135.91	8	0	0	12
46	255.655	4	11.7	-1.542	94.355	-1.761	53.262	131.44	7	0	0	6
47	400.43	4	11.7	1.063	168.06 1	-2.02	73.001	115.29	8	0	0	19
48	359.378	4	11.7	0.573	173.29	-2.013	70.369	114.18	7	0	0	18
49	273.242	4	12.2	-1.32	160.80 5	-1.695	58.703	124.33	8	0	0	11
50	328.278	4	12.7	-1.49	20.551	-2.864	41.718	158.94	1 0	0	1	12
51	339.388	4	11.7	0.232	172.72 1	-1.941	68.348	114.34	7	0	0	12
52	326.349	4	12.7	-0.445	156.04 1	-2.005	63.597	119.5	8	0	0	12
53	299.28	5	12.45	-1.395	52.783	-2.393	49.605	136.72	8	0	0	12
54	221.21	4	11.7	-2.016	91.812	-1.832	50.275	131.5	7	0	0	6
55	383.4	4	11.7	0.686	162.60 6	-1.885	70.537	112.47	7	0	0	20
56	301.271	4	11.7	-0.569	167.48 8	-1.647	63.42	113.41	7	0	0	12
57	273.242	4	12.2	-1.32	155.25 7	-1.773	58.43	124.46	8	0	0	11
58	328.278	4	12.7	-1.433	23.11	-2.806	42.962	158.71	1 0	0	0	12
59	301.271	4	11.7	-0.553	166.87 1	-1.693	63.484	114.89	7	0	0	12
60	329.306	5	13.2	-1.287	61.917	-2.422	51.482	144.03	9	0	0	12
61	299.28	5	12.45	-1.331	64.182	-2.289	51.503	135.02	8	0	0	12
62	207.183	4	11.7	-2.53	36.982	-2.204	40.194	142.39	7	0	0	6
63	195.172	6	10.7	-2.99	9.362	-1.496	13.863	132.8	7	1	1	6
64	363.428	4	9.8	1.381	340.22 2	-1.322	80.343	106.3	6	0	0	16
65	313.368	4	9.8	0.557	337.68 7	-1.243	75.462	106.4	6	0	0	12
66	417.479	4	16	-1.372	19.891	-1.836	29.199	156.09	1 1	1	1	17
67	362.4	5	14	-1.208	37.9	-2.549	48.124	160.58	1 0	0	0	11

68	394.445	4	12.3	0.611	124.17 ₆	-1.945	68.005	138.79	9	0	0	17
69	360.427	4	12.3	0.009	122.15 ₁	-1.969	64.348	137.7	9	0	0	11
70	318.347	4	12.3	-0.971	82.573	-1.824	55.571	140.85	9	0	0	11
71	261.295	3	9.8	-0.446	275.25 ₇	-1.06	68.003	101.55	7	0	0	11
72	359.44	4	10.55	0.61	196.53 ₁	-1.458	71.566	119.14	8	0	0	17
73	337.393	3	9.8	1.038	368.94 ₇	-1.111	78.969	99.746	7	0	0	17
74	303.376	3	9.8	0.492	345.40 ₄	-1.251	75.26	102.22	7	0	0	11
75	319.332	3	11.8	-0.782	78.448	-1.855	56.279	138.84	9	0	0	11
76	654.601	8	21.1	-2.123	0.2	-6.343	0	303.57	1 ₈	3	2	24
77	684.711	8	22.1	-0.495	10.268	-4.448	3.275	246.45	1 ₆	3	2	24
78	624.659	8	20.6	-0.524	13.537	-3.973	5.253	230.29	1 ₄	3	2	24
79	564.606	8	19.1	-0.383	33.27	-3.102	13.072	211.39	1 ₂	3	1	24
80	380.418	4	12.3	0.181	91.804	-1.992	63.134	139.71	9	0	0	17
81	360.427	4	12.3	0.009	122.15 ₁	-1.969	64.348	137.7	9	0	0	11
82	318.347	4	12.3	-0.971	82.573	-1.824	55.571	140.85	9	0	0	11
83	350.33	5	13.5	-1.297	24.68	-2.662	44.273	163.4	1 ₀	0	0	17
84	332.313	6	15.2	-2.609	10.646	-3.12	4.138	185.43	1 ₁	2	1	11
85	330.34	5	13.5	-1.59	22.151	-2.88	41.718	165.67	1 ₀	0	1	11
86	316.313	5	13.5	-1.851	22.907	-2.723	40.448	165.01	1 ₀	0	1	11
87	302.286	5	13.5	-2.138	21.588	-2.599	38.31	165.79	1 ₀	0	1	11
88	288.26	5	13.5	-2.443	17.746	-2.552	35	166.84	1 ₀	0	1	11
89	333.34	5	11	-0.216	87.539	-1.983	60.442	129.11	7	0	0	16
90	343.333	5	12.5	-0.828	87.425	-2.112	56.851	147.11	9	0	1	12
91	517.486	7	21.5	-2.323	19.513	-3.422	0	223.59	1 ₄	3	1	18
92	478.424	6	19	-1.626	36.845	-2.8	19.541	187.58	1 ₂	2	0	18
93	520.486	6	20.5	-1.725	36.217	-3.152	5.87	207.19	1 ₄	3	1	18
94	514.525	6	19	-0.863	69.758	-2.565	16.015	182.78	1 ₂	3	1	22
95	510.494	6	19	-1.063	55.137	-2.62	13.016	182.89	1 ₂	3	0	22
96	510.494	6	19	-1.071	44.765	-2.832	11.348	185.71	1 ₂	3	0	22
97	460.434	6	19	-1.832	36.868	-2.893	18.339	187.57	1 ₂	2	0	18
98	398.363	6	19	-2.899	30.85	-2.715	10.708	190.97	1 ₂	2	0	12
99	520.486	6	20.5	-1.555	68.014	-2.814	11.765	201.82	1 ₄	3	1	18
100	510.494	6	19	-1.123	32.02	-3.122	8.439	189.14	1 ₂	3	0	22
101	510.494	6	19	-0.717	71.927	-2.708	17.107	185.02	1 ₂	3	0	22
102	460.434	6	19	-1.846	30.407	-3.012	16.762	190.04	1 ₂	2	0	18

103	530.528	7	21.05	-2.035	45.561	-2.762	5.838	210.75	$\frac{1}{4}$	3	0	18
104	545.499	7	21.3	-3.078	1.958	-4.497	0	251.59	$\frac{1}{6}$	3	1	18
105	560.554	7	21.8	-2.075	21.33	-3.431	0	223.05	$\frac{1}{5}$	3	2	18
106	550.561	7	20.3	-1.468	23.899	-3.141	4.145	206.48	$\frac{1}{3}$	3	0	22
107	550.561	7	20.3	-1.444	25.503	-3.074	4.788	204.27	$\frac{1}{3}$	3	0	22
108	500.502	7	20.3	-2.208	31.9	-2.832	2.057	204.37	$\frac{1}{3}$	3	0	18
109	674.718	8	20.6	0.142	14.206	-3.752	9.527	222.63	$\frac{1}{4}$	3	2	28
110	674.718	8	20.6	0.339	23.117	-3.631	14.469	223.08	$\frac{1}{4}$	3	1	28
111	521.535	8	19.8	-2.017	11.195	-3.686	0	215.42	$\frac{1}{3}$	3	2	18
112	511.543	8	18.3	-1.393	10.456	-3.604	0	199	$\frac{1}{1}$	3	2	22
113	461.483	8	18.3	-2.11	10.042	-3.468	6.602	198.92	$\frac{1}{1}$	2	2	18
114	654.601	8	21.1	-2.114	0.196	-6.368	0	300.46	$\frac{1}{8}$	3	2	24
115	624.659	8	20.6	-0.495	15.16	-3.86	6.303	227.35	$\frac{1}{4}$	3	2	24
116	684.711	8	22.1	-0.397	18.426	-4.042	8.392	244.01	$\frac{1}{6}$	3	2	24
117	664.726	8	19.1	0.986	11.379	-4.178	12.744	211.65	$\frac{1}{2}$	3	2	32
118	564.606	8	19.1	-0.57	19.317	-3.496	7.748	211.98	$\frac{1}{2}$	3	2	24
119	431.503	3	10.1	2.835	$\frac{621.38}{5}$	-1.168	93.538	112.47	7	0	0	18
120	369.432	3	10.1	1.563	$\frac{491.13}{2}$	-1.142	84.266	117.01	7	0	0	12
121	497.499	4	13.1	1.991	86.08	-1.495	73.232	132.12	9	0	0	18
122	407.374	5	13.1	0.671	5.443	-2.062	44.042	146.47	9	0	1	12
123	391.375	5	13.1	0.415	43.581	-1.62	58.718	127.16	8	0	0	12
124	407.453	4	12.1	0.607	18.854	-2.055	53.326	148.65	9	0	1	12
125	449.465	4	12.5	1.563	$\frac{144.89}{2}$	-2.049	74.774	132.85	$\frac{1}{0}$	0	0	26
126	430.419	5	15	-0.461	36.18	-2.829	39.181	175.74	$\frac{1}{2}$	1	0	20
127	485.493	5	14	1.263	$\frac{137.76}{5}$	-2.456	59.669	157.13	$\frac{1}{1}$	1	0	21
128	341.403	5	11.2	-0.429	61.767	-1.038	56.482	112.11	7	0	0	12
129	285.296	5	11.2	-1.366	33.528	-1.293	46.25	115.47	7	0	0	12
130	301.296	6	11.95	-1.741	17.247	-1.713	25.928	136.01	8	1	1	12
131	303.287	5	11.2	-1.201	39.518	-0.946	48.494	113.71	7	0	0	12
132	364.192	5	11.2	-0.898	35.094	-1.128	49.346	115.2	7	0	0	12
133	317.295	7	12.7	-2.364	6.722	-2.156	14.956	159.2	9	1	2	12
134	301.296	6	11.95	-1.873	12.439	-1.918	22.615	139.06	8	1	1	12
135	335.356	5	11.2	-0.538	49.025	-1.181	54.051	114.59	7	0	0	16
136	335.356	5	11.2	-0.518	56.631	-1.145	55.291	115.33	7	0	0	16
137	387.388	4	13.7	-0.119	65.687	-2.584	58.776	141.46	8	0	0	18
138	349.34	5	12.45	-0.542	81.817	-2.209	58.007	133.83	8	0	0	16
139	315.279	6	13.2	-1.979	18.703	-2.932	25.166	158.36	9	1	1	12

140	340.332	5	14.2	-1.364	46.031	-2.657	48.724	153.51	9	0	0	12
141	383.4	4	11.7	0.686	162.60 6	-1.885	70.537	112.47	7	0	0	20
142	322.317	5	11.7	-0.611	101.60 9	-1.944	59.289	125.95	8	0	0	15
143	333.34	4	11.7	-0.018	171.06 6	-1.836	66.812	114.51	7	0	0	16
144	344.277	5	13.45	-2.063	7.641	-3.4	17.713	179.83	1 1	1	1	12
145	378.176	5	12.45	-0.856	64.218	-2.163	54.29	135	8	0	0	12
146	367.278	4	11.7	0.244	173.08 7	-1.629	68.437	120.24	8	0	0	12
147	299.28	5	12.45	-1.395	52.783	-2.393	49.605	136.72	8	0	0	12
148	662.671	8	27.5	-3.612	1.13	-5.766	0	298.28	2 0	3	2	22
149	662.671	10	27.5	-4.621	0.102	-7.326	0	328.61	2 0	3	2	22
150	626.64	8	24.1	-2.837	0.591	-6.005	0	283.13	1 8	3	2	22
151	754.813	8	24.1	0.04	4.661	-5.019	0.268	274.81	1 8	3	2	34
152	726.76	8	24.1	-0.95	0.927	-6.063	0	279.67	1 8	3	2	34
153	658.725	8	24.1	-1.697	3.173	-5.275	0	273.21	1 8	3	2	22
154	574.565	8	24.1	-3.813	0.739	-5.191	0	283.55	1 8	3	2	22
155	573.599	5	19.8	0.107	139.07 5	-2.329	40.016	179.3	1 3	2	0	27
156	580.591	6	22.3	-1.416	11.219	-4.168	0	224.16	1 5	3	2	23
157	504.493	6	22.3	-2.76	20.765	-3.218	0	222.9	1 5	3	1	17
158	319.335	6	11.3	-1.728	12.152	-2.478	23.281	178.27	1 0	1	1	11
159	394.445	4	12.3	0.467	100.11 9	-1.992	65.483	138.7	9	0	0	17
160	417.479	4	16	-1.334	22.862	-1.638	30.504	156.28	1 1	1	1	17
161	362.4	5	14	-1.282	30.378	-2.663	45.973	162.6	1 0	0	0	11
162	360.427	4	12.3	0.038	133.85 9	-1.946	65.23	136.73	9	0	0	11
163	318.347	4	12.3	-0.996	86.633	-1.746	55.793	141.06	9	0	0	11
164	375.399	5	14.3	-1.164	63.189	-2.049	39.4	172.72	1 1	1	0	11
165	415.478	3	13.3	0.049	103.93 8	-1.774	63.329	136.23	9	0	0	17
166	415.478	3	13.8	-0.207	73.357	-1.996	59.119	140.87	9	0	0	17
167	338.381	3	11.3	0.157	209.76 4	-1.305	69.42	112.59	8	0	0	17
168	387.453	3	9.8	1.84	415.94 3	-1.071	84.593	99.227	7	0	0	21
169	355.383	3	9.8	1.212	411.54 5	-0.947	80.835	99.101	7	0	0	17
170	367.419	3	10.55	1.07	384.17 1	-1.155	79.469	107.97	8	0	0	17
171	367.419	3	10.55	1.073	382.64 6	-1.16	79.458	107.9	8	0	0	17
172	337.393	3	9.8	0.993	392.96 6	-1.033	79.194	99.446	7	0	0	17
173	359.44	4	11.5	0.108	137.90 9	-1.558	65.875	124.9	8	0	0	17
174	291.321	4	11.5	-1.163	82.546	-1.703	54.442	126.78	8	0	0	11

175	303.376	3	9.8	0.444	362.64 ₁	-1.187	75.357	101.52	7	0	0	11
176	319.332	3	11.8	-0.703	83.165	-1.926	57.193	138.99	9	0	0	11
177	261.295	3	9.8	-0.472	292.22 ₂	-0.977	68.316	101.25	7	0	0	11
178	347.367	4	11	0.576	306.14	-1.435	74.813	115.35	7	0	0	16
179	311.334	4	11	0.019	305.06 ₂	-1.401	71.523	115.32	7	0	0	12
180	342.305	4	12	-0.928	36.576	-2.41	49.49	160.25	1 ₀	0	0	12
181	365.306	4	11	0.648	304.56 ₉	-1.139	75.193	115.31	7	0	0	12
182	459.452	4	13.3	1.338	11.586	-2.649	53.822	174.99	1 ₀	0	1	18
183	465.502	3	11.3	2.91	474.10 ₁	-1.451	91.876	124.49	8	0	0	22
184	429.469	3	11.3	2.232	507.00 ₃	-1.355	88.431	121.37	8	0	0	18
185	460.44	3	12.3	1.246	59.668	-2.466	53.067	166.33	1 ₁	1	0	18
186	445.468	3	12.05	2.119	472.58 ₈	-1.486	87.22	133.27	9	0	0	18
187	471.549	3	11.3	3.177	459.95 ₂	-1.542	93.206	125.48	8	0	0	18
188	483.44	3	11.3	2.882	499.85 ₁	-1.097	92.122	121.41	8	0	0	18
189	446.514	2	9.6	3.412	574.54 ₅	-1.245	96.313	111.9	7	0	0	18
190	364.357	5	13.5	-1.036	42.198	-2.307	49.967	156.83	1 ₀	0	0	17
191	338.357	4	10.5	0.162	90.809	-2.022	62.939	125.06	7	0	0	12
192	508.603	6	14.5	0.673	39.992	-2.819	33.641	164.94	9	2	0	18
193	322.317	5	11.7	-0.611	101.60 ₉	-1.944	59.289	125.95	8	0	0	15
194	607.697	7	19.5	0.799	41.757	-3.776	21.754	189.6	1 ₂	3	0	22
195	391.453	4	12.1	0.679	1.629	-1.653	34.714	129.54	8	0	1	12
196	658.725	8	24.1	-1.693	3.304	-5.238	0	273.39	1 ₈	3	2	22
197	626.628	6	19.6	0.24	29.149	-3.467	15.689	223.3	1 ₄	3	1	24
198	624.659	8	20.6	-0.526	14.025	-3.939	5.515	230.02	1 ₄	3	2	24
199	516.516	6	20	-2.169	9.358	-3.499	0	206.17	1 ₂	3	2	22
200	520.486	6	20.5	-1.717	36.217	-3.149	5.915	207.19	1 ₄	3	1	18
201	546.591	8	21.8	-2.257	18.27	-3.175	0	214.08	1 ₄	3	2	18
202	411.429	4	13.5	0.213	5.918	-2.978	42.011	164.31	1 ₀	0	1	17
203	517.529	6	20.25	-1.707	49.781	-2.788	8.45	185.46	1 ₃	3	1	18
204	574.586	6	20.3	-1.165	17.231	-3.22	3.375	203.05	1 ₄	3	1	27
205	594.571	8	22.3	-1.971	1.23	-4.076	0	251.85	1 ₅	3	1	22
206	602.49	7	21.05	-1.484	34.206	-2.61	6.841	209.92	1 ₄	3	0	18
207	429.469	3	11.3	2.233	504.15 ₇	-1.356	88.392	121.39	8	0	0	18
208	354.356	2	10.8	0.946	425.75	-1.28	79.542	126.34	8	0	0	12
209	747.76	6	23.8	0.759	7.467	-4.923	8.143	255.28	1 ₈	3	1	35

210	772.767	6	24.05	0.422	2.338	-5.735	0	269.88	$\frac{1}{8}$	3	3	38
211	710.736	6	23	0.744	10.842	-4.917	10.951	233.22	$\frac{1}{6}$	3	2	30
212	735.743	6	23.25	0.597	10.407	-4.676	9.771	245.47	$\frac{1}{6}$	3	2	33
213	796.85	6	20.1	3.085	19.083	-4.069	29.056	219.2	$\frac{1}{6}$	3	3	46
214	644.655	8	20.6	-1.105	1.481	-4.982	0	245.92	$\frac{1}{6}$	3	2	34
215	594.623	6	18.6	0.276	11.369	-3.779	8.579	199.44	$\frac{1}{4}$	3	2	34
216	352.34	3	12.7	-0.15	303.69 ₆	-1.423	70.495	123.51	8	0	0	16
217	533.549	2	16	1.315	530.35 ₉	-1.43	57.495	146.76	$\frac{1}{1}$	2	0	22
218	491.512	3	15.7	0.759	324.99 ₉	-1.716	76.348	136.99	$\frac{1}{0}$	0	0	22
219	547.576	2	16	1.577	518.00 ₇	-1.487	58.845	146.77	$\frac{1}{1}$	2	0	22
220	505.539	3	15.7	0.7	293.17 ₉	-1.638	62.245	135.17	$\frac{1}{0}$	1	0	22
221	653.654	7	24.2	-1.541	14.4	-3.965	0	229.77	$\frac{1}{5}$	3	2	28
222	491.512	4	15.7	0.371	180.74 ₂	-1.911	69.517	153.42	$\frac{1}{0}$	0	0	22
223	439.421	5	15.45	-0.539	2.977	-3.481	19.312	186.72	$\frac{1}{2}$	1	2	17
224	391.334	5	16.7	-1.769	0.261	-3.822	0	215.78	$\frac{1}{3}$	1	1	11
225	404.419	6	15.7	-3.536	0.962	-2.994	0	188.3	$\frac{1}{2}$	2	2	11
226	462.458	5	14.7	0.41	6.492	-3.062	30.926	180.82	$\frac{1}{2}$	1	1	20
227	423.422	4	14.7	0.117	8.021	-2.992	30.857	164.17	$\frac{1}{1}$	1	1	17
228	377.35	4	15.4	-1.459	3.655	-3.157	15.516	187.46	$\frac{1}{2}$	1	1	11
229	712.776	6	19.1	2.027	19.719	-3.555	23.113	199.35	$\frac{1}{4}$	3	3	42
230	776.896	6	19.1	3.246	34.863	-3.109	34.683	196.6	$\frac{1}{4}$	3	2	44
231	796.85	6	20.1	3.156	23.787	-3.965	31.182	210.58	$\frac{1}{6}$	3	2	46
232	764.851	6	19.1	3.353	42.758	-3.397	36.892	190.36	$\frac{1}{4}$	3	2	46
233	748.653	6	19.1	2.298	42.624	-2.442	30.693	192.22	$\frac{1}{4}$	3	2	34
234	748.653	6	19.1	2.145	27.966	-2.754	26.52	199.2	$\frac{1}{4}$	3	2	34
235	748.653	6	19.1	1.643	40.741	-2.171	26.507	192.4	$\frac{1}{4}$	3	1	34
236	681.546	6	19.1	1.267	27.963	-2.859	21.382	199.22	$\frac{1}{4}$	3	2	34
237	648.637	6	19.1	0.811	28.616	-2.892	18.892	199.21	$\frac{1}{4}$	3	1	34
238	648.637	6	19.1	0.765	18.232	-3.148	15.118	198.55	$\frac{1}{4}$	3	2	34
239	648.637	6	19.1	0.657	21.575	-3.14	15.79	195.94	$\frac{1}{4}$	3	2	34
240	612.656	6	19.1	0.375	28.647	-3.077	16.343	199.26	$\frac{1}{4}$	3	1	34
241	648.637	6	19.1	0.765	18.231	-3.148	15.118	198.55	$\frac{1}{4}$	3	2	34
242	503.498	7	18.3	-1.595	11.446	-3.112	0	194.81	$\frac{1}{2}$	3	2	23
243	358.36	8	17.5	-3.436	6.769	-3.008	8.733	185.28	$\frac{1}{0}$	1	2	12

244	743.562	6	22.5	0.405	15.127	-3.654	11.557	230.28	$\frac{1}{4}$	3	2	32
245	734.725	6	24	-0.723	11.318	-3.991	2.7	247.46	$\frac{1}{6}$	3	2	32
246	674.672	6	22.5	-0.461	16.12	-3.792	6.981	229.9	$\frac{1}{4}$	3	2	32
247	636.652	7	21.8	-0.654	24.07	-3.609	8.966	222.77	$\frac{1}{5}$	3	1	24
248	544.555	7	21.05	-2.715	11.39	-3.442	0	213.37	$\frac{1}{4}$	3	2	18
249	516.501	8	21.05	-2.982	5.112	-3.818	0	230.71	$\frac{1}{4}$	3	2	18
250	424.404	8	20.3	-4.76	2.012	-3.686	0	225.72	$\frac{1}{3}$	2	2	12
251	620.612	6	22.3	-0.977	44.53	-2.913	11.855	226.37	$\frac{1}{6}$	3	1	24
252	680.664	6	23.8	-1.091	55.24	-2.784	12.867	241.93	$\frac{1}{8}$	3	1	24
255	530.488	7	22.3	-2.765	14.124	-3.257	0	244.86	$\frac{1}{6}$	3	2	18
256	637.636	5	20.8	0.275	291.80 ₃	-2.097	46.757	179.18	$\frac{1}{5}$	2	1	27
257	500.461	7	21.55	-2.686	20.157	-2.836	0	241.2	$\frac{1}{5}$	3	2	18
262	522.325	3	9.8	3.535	484.91 ₇	-0.561	82.753	97.17	7	1	1	23
263	512.89	3	11.3	2.489	95.853	-1.664	64.027	124.6	8	1	1	23
264	522.325	3	9.8	3.594	420	-0.606	81.98	99.922	7	1	1	23
265	579.332	3	9.8	3.336	416.77	-0.717	80.41	96.735	7	1	1	23
266	532.331	3	9.8	3.255	417.73 ₆	-0.722	79.953	97.425	7	1	1	23
267	453.435	3	9.8	2.693	428.88 ₁	-0.858	89.828	96.041	7	0	0	23
268	487.88	3	9.8	3.161	428.33 ₁	-0.715	92.557	96.07	7	0	0	23
269	487.88	3	9.8	3.186	416.66 ₂	-0.729	92.491	96.724	7	0	1	23
270	405.391	3	9.8	1.89	379.61	-0.944	84.179	100.39	7	0	0	17
271	405.391	3	9.8	1.981	359.85 ₅	-0.984	84.296	100.83	7	0	0	17
272	467.462	3	9.8	3.08	473.70 ₅	-0.883	92.864	100.86	7	0	0	23
273	467.462	3	9.8	3.144	410.32 ₃	-0.991	92.124	99.855	7	0	1	23
274	689.662	7	21.6	-0.12	9.455	-3.838	4.832	235.59	$\frac{1}{6}$	3	2	28
275	702.68	7	23.3	-0.85	5.052	-4.484	0	255.17	$\frac{1}{6}$	3	2	27
276	733.617	6	20.8	0.652	12.282	-3.191	11.381	212.93	$\frac{1}{4}$	3	2	33
277	697.636	6	20.8	0.253	12.101	-3.364	8.932	212.89	$\frac{1}{4}$	3	2	33
278	720.599	6	19.1	1.511	13.47	-3.012	17.133	197.91	$\frac{1}{4}$	3	3	34
279	684.618	6	19.1	1.141	13.547	-3.158	15.006	198.04	$\frac{1}{4}$	3	3	34
280	684.618	6	19.1	1.113	23.971	-2.796	19.281	200.03	$\frac{1}{4}$	3	2	34
281	648.637	6	19.1	0.705	13.595	-3.332	12.483	197.85	$\frac{1}{4}$	3	2	34
282	648.637	6	19.1	0.712	23.775	-2.97	16.867	200.16	$\frac{1}{4}$	3	1	34
283	492.386	3	9.8	3.045	409.45	-1.128	91.531	99.835	7	0	1	23
284	482.381	3	9.8	3.38	411.72 ₄	-1.009	93.534	99.804	7	0	1	23

285	447.935	3	9.8	2.973	409.58 5	-1.135	91.108	99.83	7	0	0	23
286	447.935	3	9.8	2.967	416.49 8	-1.122	91.206	99.793	7	0	0	23
287	445.508	3	9.8	2.965	406.18 8	-1.197	90.997	99.273	7	0	0	23
288	467.462	3	9.8	3.144	410.37 9	-0.991	92.123	99.831	7	0	1	23
289	449.471	3	9.8	2.952	411.70 7	-1.07	91.029	99.857	7	0	0	23
290	449.471	3	9.8	2.932	415.00 5	-1.073	90.974	99.84	7	0	0	23
291	431.481	3	9.8	2.727	409.49	-1.176	89.668	99.843	7	0	0	23
292	431.481	3	9.8	2.723	415.40 3	-1.164	89.755	99.779	7	0	0	23
293	431.481	3	9.8	2.652	417.81	-1.192	89.387	99.811	7	0	0	23
294	413.49	3	9.8	2.499	410.78 1	-1.276	88.355	99.709	7	0	0	23
295	554.558	3	10.8	3.969	412.68 1	-1.085	84.04	103.23	8	1	1	28
296	528.521	3	10.8	3.557	423.34 5	-1.137	81.827	100.25	8	1	1	23
297	514.494	4	10.8	2.998	280.09 8	-1.262	75.345	112.12	8	1	2	23
298	529.505	3	10.55	3.702	434.99 4	-1.191	82.888	106.75	8	1	1	23
299	515.479	3	10.55	3.295	436.73 5	-1.055	80.533	107.21	8	1	1	23
300	500.467	4.5	10.8	2.383	127.99 2	-1.574	65.653	124.2	8	1	0	23
301	526.465	3	12.3	1.974	48.162	-2.159	55.664	147.86	1 0	1	1	23
302	503.443	3	9.8	3.477	422.43	-0.849	81.339	99.273	7	1	1	23
303	501.452	4	10.55	2.567	147.88 2	-1.495	67.852	120.78	8	1	1	23
304	658.725	8	24.1	-1.899	1.358	-5.961	0	281.13	1 8	3	2	22
305	522.325	3	9.8	3.59	420	-0.609	81.956	99.922	7	1	1	23
306	648.637	6	19.1	0.913	18.602	-3.34	16.139	198.32	1 4	3	3	34
307	485.508	7	18.3	-1.653	16.601	-3.035	13.188	191.3	1 2	2	2	23
308	467.462	3	9.8	3.144	410.4	-0.99	92.126	99.829	7	0	1	23
309	445.508	3	9.8	2.999	403.39 6	-1.185	91.144	100.15	7	0	1	23
310	449.471	3	9.8	2.952	411.57 5	-1.07	91.026	99.858	7	0	0	23
311	449.471	3	9.8	2.932	415.00 5	-1.072	90.973	99.84	7	0	0	23
312	431.481	3	9.8	2.727	409.44	-1.175	89.664	99.844	7	0	0	23
313	431.481	3	9.8	2.723	415.40 3	-1.164	89.755	99.779	7	0	0	23
314	431.481	3	9.8	2.652	417.81	-1.191	89.386	99.811	7	0	0	23
315	413.49	3	9.8	2.5	410.91 7	-1.275	88.366	99.854	7	0	0	23
316	558.863	5	11.5	2.718	114.56 9	-1.653	66.756	123.02	8	1	0	24
317	395.387	5	12.7	0.199	110.49 5	-2.122	64.684	133.79	9	0	0	18
318	453.494	5	12.7	1.313	95.812	-2.528	70.099	136.12	9	0	0	24
319	453.494	5	12.7	1.3	96.627	-2.514	70.085	136.06	9	0	0	24
320	433.503	5	12.7	1.054	107.44 5	-2.388	69.473	134.06	9	0	0	18

321	456.292	5	12.7	0.524	123.98 6	-1.989	67.483	133.71	9	0	0	0	18
322	391.423	5	12.7	0.201	136.86 3	-2.053	66.358	136.49	9	0	0	0	18
323	411.841	5	12.7	0.399	135.04 9	-1.873	67.413	136.66	9	0	0	0	18
324	395.387	5	12.7	0.244	111.88 3	-2.089	65.044	132.89	9	0	0	0	18
325	391.423	5	12.7	0.262	125.37 9	-2.168	66.034	133.75	9	0	0	0	18
326	411.841	5	12.7	0.439	119.79 5	-2.022	66.715	133.72	9	0	0	0	18
327	395.387	5	12.7	0.136	130.18 9	-1.822	65.586	136.02	9	0	0	0	18
328	427.456	5	12.7	0.759	95.87	-2.373	66.858	135.07	9	0	0	0	22
329	427.456	5	12.7	0.838	111.90 2	-2.289	68.524	132.93	9	0	0	0	22
330	377.396	5	12.7	0.031	130.04 7	-2.112	64.964	133.45	9	0	0	0	18