

Residue	pK _{int}	pK _(1/2)
NTGLY-1	6.348	4.753
ARG-2	11.537	11.630
ARG-3	11.233	10.831
ARG-4	11.357	10.987
GLU-15	1.421	<0.000
LYS-18	9.111	>12.000
ARG-24	12.255	>12.000
ARG-27	11.399	10.881
LYS-28	10.148	8.994
ARG-30	12.173	>12.000
LYS-38	9.559	9.197
ARG-39	10.996	>12.000
ASP-40	4.098	3.694
GLU-51	5.299	2.550
ARG-53	11.357	>12.000
ASP-55	7.955	<0.000
ASP-60	-2.874	<0.000
TYR-65	14.467	>12.000
GLU-66	6.526	1.078
TYR-72	11.408	>12.000
LYS-73	10.094	10.410
ARG-75	15.639	>12.000
GLU-80	3.944	<0.000
TYR-82	16.892	>12.000
GLU-85	4.860	3.202
ARG-86	11.911	>12.000
ARG-89	10.215	>12.000
HIS-91	4.041	<0.000
TYR-92	14.603	>12.000
TYR-93	15.692	>12.000
LYS-99	10.086	10.862
LYS-100	9.562	>12.000
GLU-108	4.927	4.749
LYS-113	9.507	10.601
HID-116	-0.472	<0.000
ARG-120	10.072	>12.000
ARG-121	3.284	>12.000
ARG-133	12.171	>12.000
GLU-143	6.107	1.191
GLU-146	4.605	3.440
ARG-151	11.346	>12.000
ASP-162	3.513	2.607
LYS-163	8.055	8.800
ARG-171	11.867	>12.000
GLU-178	4.054	3.697
LYS-180	8.235	10.622
GLU-187	1.145	<0.000
TYR-189	14.356	>12.000
TYR-192	16.595	<0.000
LYS-197	9.358	11.477
ARG-200	10.662	>12.000
ASP-201	4.957	1.436
ASP-205	4.590	2.035
ARG-210	6.391	>12.000
GLU-211	5.224	<0.000
GLU-216	6.602	<0.000
ASP-217	5.838	5.324
ASP-220	3.703	3.690
GLU-221	3.951	4.266
GLU-223	3.808	2.217
ARG-224	12.500	>12.000
ASP-225	4.672	3.522
GLU-226	5.314	5.765
TYR-227	14.353	>12.000
GLU-228	6.645	<0.000
ASP-233	3.712	1.763
ARG-236	12.626	>12.000
LYS-237	9.759	11.577

ASP-240	4.556	2.391
LYS-241	9.290	11.184
LYS-243	9.209	9.225
ASP-244	4.468	1.928
HID-246	5.426	5.201
ARG-249	11.743	>12.000
HID-253	-2.243	>12.000
ARG-258	11.114	>12.000
LYS-263	8.210	11.723
GLU-264	6.294	3.680
ASP-265	3.495	0.423
ARG-272	11.561	>12.000
GLU-276	5.099	3.373
LYS-277	10.097	10.137
LYS-280	8.568	10.333
ASP-281	4.003	0.739
LYS-282	10.043	11.585
LYS-285	10.430	10.123
LYS-296	8.905	>12.000
ASP-297	3.758	<0.000
LYS-301	5.411	>12.000
ASP-302	4.412	3.342
ARG-309	9.688	>12.000
ARG-313	9.597	>12.000
ASP-315	5.039	<0.000
TYR-319	21.007	>12.000
TYR-324	14.505	>12.000
ARG-332	10.622	>12.000
LYS-333	9.966	9.206
GLU-335	5.421	2.628
GLU-336	4.435	4.677
GLU-337	4.788	2.663
ARG-341	12.693	>12.000
ARG-342	12.340	>12.000
ARG-344	12.162	11.663
GLU-352	2.907	2.798
GLU-354	0.469	<0.000
ARG-356	10.957	>12.000
LYS-357	9.213	>12.000
GLU-366	5.912	3.882
GLU-378	2.700	3.319
ASP-379	2.505	<0.000
LYS-386	8.051	>12.000
GLU-388	6.342	1.113
ASP-390	10.392	<0.000
ASP-395	-0.830	<0.000
TYR-398	10.820	>12.000
TYR-400	14.772	>12.000
LYS-404	9.597	>12.000
GLU-413	-0.115	<0.000
TYR-415	13.697	>12.000
LYS-416	8.520	10.243
ASP-422	3.393	3.566
ASP-424	2.282	<0.000
ASP-429	4.556	2.283
ARG-430	8.067	>12.000
GLU-433	5.772	4.655
TYR-435	12.726	>12.000
ARG-442	11.801	>12.000
ARG-443	11.618	11.612
ASP-445	6.582	1.395
LYS-454	10.636	10.581
LYS-456	11.768	>12.000
LYS-457	10.494	11.259
HID-460	1.383	<0.000
ASP-464	3.516	<0.000
ARG-465	0.312	>12.000
LYS-484	9.437	>12.000
ASP-486	3.979	4.296

GLU-487	4.864	2.870
TYR-488	21.028	>12.000
ASP-498	4.329	3.493
ARG-500	11.688	>12.000
ASP-510	3.489	2.336
GLU-511	3.603	3.664
GLU-514	4.534	5.955
LYS-516	8.645	10.604
GLU-523	0.515	<0.000
ARG-524	13.604	>12.000
TYR-525	16.856	>12.000
TYR-526	9.703	>12.000
TYR-528	12.618	>12.000
ARG-533	10.438	>12.000
GLU-537	4.827	0.926
ASP-541	6.198	2.427
LYS-546	1.610	7.940
ASP-547	2.652	<0.000
ASP-555	4.205	2.786
GLU-560	4.994	4.693
LYS-564	10.389	>12.000
ASP-565	5.450	3.572
LYS-567	9.249	11.192
ASP-570	4.669	3.985
ASP-577	5.127	2.341
LYS-579	9.943	10.469
ARG-580	14.003	>12.000
LYS-581	10.545	>12.000
GLU-585	5.071	3.737
ARG-587	10.948	>12.000
HID-590	5.787	5.330
HID-597	-4.426	1.504
ARG-602	12.086	>12.000
ASP-604	5.366	<0.000
LYS-605	10.596	10.436
GLU-607	4.721	2.325
ARG-608	12.839	>12.000
LYS-610	8.350	8.554
HIS-615	2.855	0.811
LYS-619	8.215	>12.000
ARG-622	11.108	>12.000
ASP-626	4.372	1.005
ASP-629	3.744	3.672
LYS-630	9.860	10.979
GLU-637	3.743	3.978
LYS-639	9.001	>12.000
ASP-645	4.045	<0.000
GLU-648	7.266	1.646
ARG-652	11.407	>12.000
HIS-654	5.999	6.028
LYS-656	10.249	10.885
TYR-659	13.377	>12.000
GLU-660	4.199	2.729
LYS-661	9.967	10.195
TYR-662	19.391	>12.000
TYR-667	7.054	>12.000
LYS-675	4.468	11.754
LYS-676	10.257	10.300
GLU-684	4.612	3.509
GLU-687	6.377	3.804
ARG-690	11.960	>12.000
LYS-691	4.293	8.659
CTLYS-691	6.546	<0.000

Site NTGLY-1

3.40000	0.94997	NTGLY-1
3.60000	0.92259	NTGLY-1
3.80000	0.88948	NTGLY-1
4.00000	0.83348	NTGLY-1
4.20000	0.77136	NTGLY-1

4.40000	0.67919	NTGLY-1
4.60000	0.57728	NTGLY-1
4.80000	0.47655	NTGLY-1
5.00000	0.34584	NTGLY-1
5.20000	0.26833	NTGLY-1
5.40000	0.17953	NTGLY-1
5.60000	0.12537	NTGLY-1
5.80000	0.08528	NTGLY-1
6.00000	0.05178	NTGLY-1

Site ARG-2

10.00000	0.93577	ARG-2
10.20000	0.92070	ARG-2
10.40000	0.87309	ARG-2
10.60000	0.82812	ARG-2
10.80000	0.78316	ARG-2
11.00000	0.72185	ARG-2
11.20000	0.66873	ARG-2
11.40000	0.59195	ARG-2
11.60000	0.51246	ARG-2
11.80000	0.42890	ARG-2

Site ARG-3

9.20000	0.94010	ARG-3
9.40000	0.91708	ARG-3
9.60000	0.86634	ARG-3
9.80000	0.81570	ARG-3
10.00000	0.77522	ARG-3
10.20000	0.70668	ARG-3
10.40000	0.63891	ARG-3
10.60000	0.57115	ARG-3
10.80000	0.50982	ARG-3
11.00000	0.44690	ARG-3
11.20000	0.39589	ARG-3
11.40000	0.34291	ARG-3
11.60000	0.30426	ARG-3
11.80000	0.27591	ARG-3

Site ARG-4

9.40000	0.94596	ARG-4
9.60000	0.91806	ARG-4
9.80000	0.89337	ARG-4
10.00000	0.84697	ARG-4
10.20000	0.79477	ARG-4
10.40000	0.72177	ARG-4
10.60000	0.65951	ARG-4
10.80000	0.57829	ARG-4
11.00000	0.49436	ARG-4
11.20000	0.41327	ARG-4
11.40000	0.34609	ARG-4
11.60000	0.27312	ARG-4
11.80000	0.21402	ARG-4

Site GLU-15

Site LYS-18

Site ARG-24

10.80000	0.93660	ARG-24
11.00000	0.91553	ARG-24
11.20000	0.88797	ARG-24
11.40000	0.84587	ARG-24
11.60000	0.79692	ARG-24
11.80000	0.74101	ARG-24

Site ARG-27

9.20000	0.94659	ARG-27
9.40000	0.92785	ARG-27
9.60000	0.90639	ARG-27
9.80000	0.86857	ARG-27
10.00000	0.83345	ARG-27
10.20000	0.76963	ARG-27
10.40000	0.70782	ARG-27
10.60000	0.62368	ARG-27
10.80000	0.54010	ARG-27
11.00000	0.44144	ARG-27

11.20000	0.35525	ARG-27
11.40000	0.28587	ARG-27
11.60000	0.21490	ARG-27
11.80000	0.16437	ARG-27

Site LYS-28

7.80000	0.93546	LYS-28
8.00000	0.88781	LYS-28
8.20000	0.83509	LYS-28
8.40000	0.76960	LYS-28
8.60000	0.68758	LYS-28
8.80000	0.59118	LYS-28
9.00000	0.49715	LYS-28
9.20000	0.39073	LYS-28
9.40000	0.31339	LYS-28
9.60000	0.25420	LYS-28
9.80000	0.19538	LYS-28
10.00000	0.14904	LYS-28
10.20000	0.12536	LYS-28
10.40000	0.09279	LYS-28
10.60000	0.07491	LYS-28
10.80000	0.05390	LYS-28

Site ARG-30

10.80000	0.94129	ARG-30
11.00000	0.91167	ARG-30
11.20000	0.87733	ARG-30
11.40000	0.82623	ARG-30
11.60000	0.76793	ARG-30
11.80000	0.69359	ARG-30

Site LYS-38

8.00000	0.93547	LYS-38
8.20000	0.88982	LYS-38
8.40000	0.84195	LYS-38
8.60000	0.77409	LYS-38
8.80000	0.70664	LYS-38
9.00000	0.60518	LYS-38
9.20000	0.49836	LYS-38
9.40000	0.37752	LYS-38
9.60000	0.29237	LYS-38
9.80000	0.20810	LYS-38
10.00000	0.14583	LYS-38
10.20000	0.11024	LYS-38
10.40000	0.07442	LYS-38
10.60000	0.05478	LYS-38

Site ARG-39

10.60000	0.93962	ARG-39
10.80000	0.92123	ARG-39
11.00000	0.89296	ARG-39
11.20000	0.85284	ARG-39
11.40000	0.80817	ARG-39
11.60000	0.73745	ARG-39
11.80000	0.66828	ARG-39

Site ASP-40

2.20000	0.94884	ASP-40
2.40000	0.92800	ASP-40
2.60000	0.89285	ASP-40
2.80000	0.84486	ASP-40
3.00000	0.79251	ASP-40
3.20000	0.72164	ASP-40
3.40000	0.64646	ASP-40
3.60000	0.54492	ASP-40
3.80000	0.44955	ASP-40
4.00000	0.35937	ASP-40
4.20000	0.27015	ASP-40
4.40000	0.19864	ASP-40
4.60000	0.13205	ASP-40
4.80000	0.09804	ASP-40
5.00000	0.06327	ASP-40

Site GLU-51

1.40000	0.92204	GLU-51
---------	---------	--------

1.60000	0.89305	GLU-51
1.80000	0.83278	GLU-51
2.00000	0.76855	GLU-51
2.20000	0.67478	GLU-51
2.40000	0.57967	GLU-51
2.60000	0.47364	GLU-51
2.80000	0.36845	GLU-51
3.00000	0.28878	GLU-51
3.20000	0.20816	GLU-51
3.40000	0.15527	GLU-51
3.60000	0.11374	GLU-51
3.80000	0.06890	GLU-51
Site ARG-53		
11.60000	0.93165	ARG-53
11.80000	0.91122	ARG-53
Site ASP-55		
Site ASP-60		
Site TYR-65		
Site GLU-66		
0.00000	0.88811	GLU-66
0.20000	0.82987	GLU-66
0.40000	0.77889	GLU-66
0.60000	0.70627	GLU-66
0.80000	0.62476	GLU-66
1.00000	0.53246	GLU-66
1.20000	0.44889	GLU-66
1.40000	0.36906	GLU-66
1.60000	0.29707	GLU-66
1.80000	0.23324	GLU-66
2.00000	0.19072	GLU-66
2.20000	0.14577	GLU-66
2.40000	0.11117	GLU-66
2.60000	0.08373	GLU-66
2.80000	0.07303	GLU-66
3.00000	0.05717	GLU-66
Site TYR-72		
10.80000	0.93901	TYR-72
11.00000	0.90435	TYR-72
11.20000	0.86083	TYR-72
11.40000	0.82014	TYR-72
11.60000	0.76023	TYR-72
11.80000	0.69043	TYR-72
Site LYS-73		
9.20000	0.92516	LYS-73
9.40000	0.89530	LYS-73
9.60000	0.85438	LYS-73
9.80000	0.77974	LYS-73
10.00000	0.70273	LYS-73
10.20000	0.61213	LYS-73
10.40000	0.50500	LYS-73
10.60000	0.40709	LYS-73
10.80000	0.31350	LYS-73
11.00000	0.23631	LYS-73
11.20000	0.17472	LYS-73
11.40000	0.12394	LYS-73
11.60000	0.09151	LYS-73
11.80000	0.05860	LYS-73
Site ARG-75		
Site GLU-80		
Site TYR-82		
Site GLU-85		
1.80000	0.94134	GLU-85
2.00000	0.92470	GLU-85
2.20000	0.88880	GLU-85
2.40000	0.83909	GLU-85
2.60000	0.76737	GLU-85
2.80000	0.69809	GLU-85
3.00000	0.60476	GLU-85
3.20000	0.50118	GLU-85

3.40000	0.40014	GLU-85
3.60000	0.31880	GLU-85
3.80000	0.23691	GLU-85
4.00000	0.17724	GLU-85
4.20000	0.12316	GLU-85
4.40000	0.08835	GLU-85
4.60000	0.05545	GLU-85
Site ARG-86		
11.20000	0.93590	ARG-86
11.40000	0.90845	ARG-86
11.60000	0.86727	ARG-86
11.80000	0.82148	ARG-86
Site ARG-89		
Site HIS-91		
0.00000	0.23925	HIS-91
0.20000	0.18161	HIS-91
0.40000	0.14270	HIS-91
0.60000	0.10764	HIS-91
0.80000	0.08012	HIS-91
1.00000	0.05952	HIS-91
Site TYR-92		
Site TYR-93		
Site LYS-99		
9.40000	0.93675	LYS-99
9.60000	0.90477	LYS-99
9.80000	0.86769	LYS-99
10.00000	0.81927	LYS-99
10.20000	0.75962	LYS-99
10.40000	0.67419	LYS-99
10.60000	0.60347	LYS-99
10.80000	0.52073	LYS-99
11.00000	0.45364	LYS-99
11.20000	0.35880	LYS-99
11.40000	0.30107	LYS-99
11.60000	0.24226	LYS-99
11.80000	0.18608	LYS-99
Site LYS-100		
11.80000	0.94284	LYS-100
Site GLU-108		
3.40000	0.94505	GLU-108
3.60000	0.92579	GLU-108
3.80000	0.89696	GLU-108
4.00000	0.83040	GLU-108
4.20000	0.76976	GLU-108
4.40000	0.69409	GLU-108
4.60000	0.58646	GLU-108
4.80000	0.47009	GLU-108
5.00000	0.37223	GLU-108
5.20000	0.28036	GLU-108
5.40000	0.18259	GLU-108
5.60000	0.13373	GLU-108
5.80000	0.08582	GLU-108
6.00000	0.06117	GLU-108
Site LYS-113		
9.20000	0.94602	LYS-113
9.40000	0.91779	LYS-113
9.60000	0.87106	LYS-113
9.80000	0.83554	LYS-113
10.00000	0.76218	LYS-113
10.20000	0.69036	LYS-113
10.40000	0.59578	LYS-113
10.60000	0.50064	LYS-113
10.80000	0.41027	LYS-113
11.00000	0.33048	LYS-113
11.20000	0.26590	LYS-113
11.40000	0.18696	LYS-113
11.60000	0.13309	LYS-113
11.80000	0.10541	LYS-113
Site HID-116		

Site ARG-120

11.60000	0.93541	ARG-120
11.80000	0.92974	ARG-120

Site ARG-121

10.40000	0.94787	ARG-121
10.60000	0.92812	ARG-121
10.80000	0.90857	ARG-121
11.00000	0.88430	ARG-121
11.20000	0.85666	ARG-121
11.40000	0.83510	ARG-121
11.60000	0.79306	ARG-121
11.80000	0.75229	ARG-121

Site ARG-133

Site GLU-143

0.00000	0.92311	GLU-143
0.20000	0.90132	GLU-143
0.40000	0.83783	GLU-143
0.60000	0.77248	GLU-143
0.80000	0.69365	GLU-143
1.00000	0.59482	GLU-143
1.20000	0.49563	GLU-143
1.40000	0.39253	GLU-143
1.60000	0.31072	GLU-143
1.80000	0.23535	GLU-143
2.00000	0.17074	GLU-143
2.20000	0.12910	GLU-143
2.40000	0.09509	GLU-143
2.60000	0.07158	GLU-143
2.80000	0.05113	GLU-143

Site GLU-146

0.80000	0.94785	GLU-146
1.00000	0.93527	GLU-146
1.20000	0.91987	GLU-146
1.40000	0.91157	GLU-146
1.60000	0.89333	GLU-146
1.80000	0.87384	GLU-146
2.00000	0.84362	GLU-146
2.20000	0.82122	GLU-146
2.40000	0.80120	GLU-146
2.60000	0.75907	GLU-146
2.80000	0.70544	GLU-146
3.00000	0.64646	GLU-146
3.20000	0.58902	GLU-146
3.40000	0.51355	GLU-146
3.60000	0.44526	GLU-146
3.80000	0.35789	GLU-146
4.00000	0.28618	GLU-146
4.20000	0.21708	GLU-146
4.40000	0.14931	GLU-146
4.60000	0.10530	GLU-146
4.80000	0.07389	GLU-146
5.00000	0.05044	GLU-146

Site ARG-151

Site ASP-162

1.20000	0.94002	ASP-162
1.40000	0.90810	ASP-162
1.60000	0.87127	ASP-162
1.80000	0.82312	ASP-162
2.00000	0.76329	ASP-162
2.20000	0.67719	ASP-162
2.40000	0.59047	ASP-162
2.60000	0.50318	ASP-162
2.80000	0.41481	ASP-162
3.00000	0.34568	ASP-162
3.20000	0.26418	ASP-162
3.40000	0.20938	ASP-162
3.60000	0.15629	ASP-162
3.80000	0.13035	ASP-162
4.00000	0.09237	ASP-162

4.20000	0.06513	ASP-162
Site LYS-163		
7.60000	0.93515	LYS-163
7.80000	0.89707	LYS-163
8.00000	0.84790	LYS-163
8.20000	0.77862	LYS-163
8.40000	0.70111	LYS-163
8.60000	0.60331	LYS-163
8.80000	0.49982	LYS-163
9.00000	0.39972	LYS-163
9.20000	0.30847	LYS-163
9.40000	0.24345	LYS-163
9.60000	0.19146	LYS-163
9.80000	0.15108	LYS-163
10.00000	0.11209	LYS-163
10.20000	0.08615	LYS-163
10.40000	0.07590	LYS-163
10.60000	0.06079	LYS-163
Site ARG-171		
10.80000	0.94948	ARG-171
11.00000	0.92892	ARG-171
11.20000	0.90553	ARG-171
11.40000	0.86345	ARG-171
11.60000	0.82405	ARG-171
11.80000	0.74185	ARG-171
Site GLU-178		
2.40000	0.93332	GLU-178
2.60000	0.90600	GLU-178
2.80000	0.86343	GLU-178
3.00000	0.80567	GLU-178
3.20000	0.72200	GLU-178
3.40000	0.65432	GLU-178
3.60000	0.55485	GLU-178
3.80000	0.44127	GLU-178
4.00000	0.34181	GLU-178
4.20000	0.25325	GLU-178
4.40000	0.18408	GLU-178
4.60000	0.12982	GLU-178
4.80000	0.08906	GLU-178
5.00000	0.06251	GLU-178
Site LYS-180		
8.80000	0.93341	LYS-180
9.00000	0.91289	LYS-180
9.20000	0.90146	LYS-180
9.40000	0.86818	LYS-180
9.60000	0.83472	LYS-180
9.80000	0.80509	LYS-180
10.00000	0.74483	LYS-180
10.20000	0.67518	LYS-180
10.40000	0.60483	LYS-180
10.60000	0.51152	LYS-180
10.80000	0.40781	LYS-180
11.00000	0.35178	LYS-180
11.20000	0.25973	LYS-180
11.40000	0.20112	LYS-180
11.60000	0.15597	LYS-180
11.80000	0.11359	LYS-180
Site GLU-187		
Site TYR-189		
Site TYR-192		
0.00000	0.11600	TYR-192
0.20000	0.12275	TYR-192
0.40000	0.11285	TYR-192
0.60000	0.13529	TYR-192
0.80000	0.11208	TYR-192
1.00000	0.12237	TYR-192
1.20000	0.13376	TYR-192
1.40000	0.12904	TYR-192
1.60000	0.14659	TYR-192

1.80000	0.12732	TYR-192
2.00000	0.14875	TYR-192
2.20000	0.15099	TYR-192
2.40000	0.15281	TYR-192
2.60000	0.15531	TYR-192
2.80000	0.13578	TYR-192
3.00000	0.17181	TYR-192
3.20000	0.15532	TYR-192
3.40000	0.15429	TYR-192
3.60000	0.16279	TYR-192
3.80000	0.15004	TYR-192
4.00000	0.16697	TYR-192
4.20000	0.15894	TYR-192
4.40000	0.14681	TYR-192
4.60000	0.16519	TYR-192
4.80000	0.17016	TYR-192
5.00000	0.17122	TYR-192
5.20000	0.17761	TYR-192
5.40000	0.20238	TYR-192
5.60000	0.19855	TYR-192
5.80000	0.20153	TYR-192
6.00000	0.23213	TYR-192
6.20000	0.23910	TYR-192
6.40000	0.24871	TYR-192
6.60000	0.25010	TYR-192
6.80000	0.25005	TYR-192
7.00000	0.26774	TYR-192
7.20000	0.26611	TYR-192
7.40000	0.27209	TYR-192
7.60000	0.26518	TYR-192
7.80000	0.25676	TYR-192
8.00000	0.27694	TYR-192
8.20000	0.24840	TYR-192
8.40000	0.25720	TYR-192
8.60000	0.24852	TYR-192
8.80000	0.27225	TYR-192
9.00000	0.26902	TYR-192
9.20000	0.27389	TYR-192
9.40000	0.27594	TYR-192
9.60000	0.27309	TYR-192
9.80000	0.27251	TYR-192
10.00000	0.25645	TYR-192
10.20000	0.29129	TYR-192
10.40000	0.29671	TYR-192
10.60000	0.33653	TYR-192
10.80000	0.34900	TYR-192
11.00000	0.35404	TYR-192
11.20000	0.38191	TYR-192
11.40000	0.39313	TYR-192
11.60000	0.43220	TYR-192
11.80000	0.46319	TYR-192
Site LYS-197		
9.80000	0.94719	LYS-197
10.00000	0.92574	LYS-197
10.20000	0.88991	LYS-197
10.40000	0.85636	LYS-197
10.60000	0.80945	LYS-197
10.80000	0.75838	LYS-197
11.00000	0.67782	LYS-197
11.20000	0.61691	LYS-197
11.40000	0.53264	LYS-197
11.60000	0.44763	LYS-197
11.80000	0.36418	LYS-197
Site ARG-200		
11.80000	0.94376	ARG-200
Site ASP-201		
0.20000	0.92588	ASP-201
0.40000	0.89311	ASP-201
0.60000	0.84481	ASP-201

0.80000	0.78131	ASP-201
1.00000	0.69963	ASP-201
1.20000	0.62342	ASP-201
1.40000	0.51527	ASP-201
1.60000	0.43065	ASP-201
1.80000	0.33218	ASP-201
2.00000	0.26655	ASP-201
2.20000	0.21308	ASP-201
2.40000	0.15269	ASP-201
2.60000	0.10341	ASP-201
2.80000	0.07653	ASP-201

Site ASP-205

0.60000	0.94073	ASP-205
0.80000	0.90725	ASP-205
1.00000	0.86801	ASP-205
1.20000	0.82950	ASP-205
1.40000	0.76173	ASP-205
1.60000	0.69283	ASP-205
1.80000	0.60678	ASP-205
2.00000	0.51582	ASP-205
2.20000	0.42427	ASP-205
2.40000	0.32563	ASP-205
2.60000	0.25838	ASP-205
2.80000	0.18899	ASP-205
3.00000	0.13694	ASP-205
3.20000	0.09315	ASP-205
3.40000	0.06591	ASP-205

Site ARG-210

Site GLU-211

Site GLU-216

0.00000	0.36097	GLU-216
0.20000	0.29026	GLU-216
0.40000	0.22879	GLU-216
0.60000	0.17738	GLU-216
0.80000	0.14927	GLU-216
1.00000	0.12277	GLU-216
1.20000	0.09306	GLU-216
1.40000	0.08550	GLU-216
1.60000	0.07114	GLU-216
1.80000	0.06085	GLU-216
2.00000	0.05443	GLU-216
2.20000	0.05045	GLU-216
3.00000	0.05181	GLU-216
4.40000	0.05099	GLU-216

Site ASP-217

2.40000	0.94845	ASP-217
2.60000	0.93633	ASP-217
2.80000	0.92204	ASP-217
3.00000	0.89638	ASP-217
3.20000	0.89583	ASP-217
3.40000	0.86428	ASP-217
3.60000	0.84429	ASP-217
3.80000	0.80960	ASP-217
4.00000	0.78146	ASP-217
4.20000	0.76377	ASP-217
4.40000	0.72616	ASP-217
4.60000	0.69010	ASP-217
4.80000	0.64529	ASP-217
5.00000	0.59918	ASP-217
5.20000	0.54447	ASP-217
5.40000	0.47299	ASP-217
5.60000	0.40495	ASP-217
5.80000	0.32863	ASP-217
6.00000	0.24678	ASP-217
6.20000	0.18870	ASP-217
6.40000	0.13737	ASP-217
6.60000	0.09420	ASP-217
6.80000	0.06537	ASP-217

Site ASP-220

2.00000	0.93164	ASP-220
2.20000	0.90357	ASP-220
2.40000	0.87762	ASP-220
2.60000	0.82733	ASP-220
2.80000	0.78432	ASP-220
3.00000	0.73582	ASP-220
3.20000	0.67659	ASP-220
3.40000	0.59736	ASP-220
3.60000	0.53291	ASP-220
3.80000	0.46000	ASP-220
4.00000	0.40036	ASP-220
4.20000	0.34416	ASP-220
4.40000	0.28960	ASP-220
4.60000	0.24038	ASP-220
4.80000	0.19060	ASP-220
5.00000	0.14563	ASP-220
5.20000	0.11255	ASP-220
5.40000	0.07875	ASP-220
5.60000	0.05211	ASP-220

Site GLU-221

2.20000	0.93609	GLU-221
2.40000	0.90756	GLU-221
2.60000	0.87408	GLU-221
2.80000	0.84064	GLU-221
3.00000	0.79632	GLU-221
3.20000	0.74695	GLU-221
3.40000	0.71373	GLU-221
3.60000	0.68103	GLU-221
3.80000	0.62321	GLU-221
4.00000	0.56921	GLU-221
4.20000	0.51782	GLU-221
4.40000	0.46406	GLU-221
4.60000	0.38374	GLU-221
4.80000	0.32179	GLU-221
5.00000	0.24637	GLU-221
5.20000	0.19004	GLU-221
5.40000	0.13580	GLU-221
5.60000	0.10074	GLU-221
5.80000	0.07806	GLU-221

Site GLU-223

0.60000	0.94563	GLU-223
0.80000	0.93187	GLU-223
1.00000	0.89552	GLU-223
1.20000	0.86520	GLU-223
1.40000	0.81360	GLU-223
1.60000	0.73509	GLU-223
1.80000	0.67082	GLU-223
2.00000	0.58691	GLU-223
2.20000	0.50655	GLU-223
2.40000	0.42741	GLU-223
2.60000	0.37026	GLU-223
2.80000	0.29815	GLU-223
3.00000	0.23587	GLU-223
3.20000	0.19147	GLU-223
3.40000	0.15135	GLU-223
3.60000	0.11868	GLU-223
3.80000	0.10431	GLU-223
4.00000	0.07569	GLU-223
4.20000	0.05940	GLU-223
4.40000	0.05015	GLU-223

Site ARG-224

Site ASP-225

1.40000	0.94555	ASP-225
1.60000	0.91809	ASP-225
1.80000	0.89347	ASP-225
2.00000	0.86464	ASP-225
2.20000	0.82395	ASP-225
2.40000	0.80470	ASP-225
2.60000	0.75928	ASP-225

2.80000	0.70215	ASP-225
3.00000	0.66185	ASP-225
3.20000	0.61063	ASP-225
3.40000	0.54173	ASP-225
3.60000	0.47318	ASP-225
3.80000	0.39272	ASP-225
4.00000	0.34335	ASP-225
4.20000	0.27209	ASP-225
4.40000	0.20900	ASP-225
4.60000	0.17833	ASP-225
4.80000	0.14093	ASP-225
5.00000	0.11006	ASP-225
5.20000	0.08288	ASP-225
5.40000	0.06681	ASP-225

Site GLU-226

4.00000	0.94289	GLU-226
4.20000	0.92166	GLU-226
4.40000	0.90455	GLU-226
4.60000	0.87547	GLU-226
4.80000	0.83818	GLU-226
5.00000	0.79625	GLU-226
5.20000	0.73294	GLU-226
5.40000	0.66783	GLU-226
5.60000	0.58706	GLU-226
5.80000	0.48182	GLU-226
6.00000	0.37600	GLU-226
6.20000	0.29895	GLU-226
6.40000	0.20995	GLU-226
6.60000	0.14798	GLU-226
6.80000	0.09677	GLU-226
7.00000	0.06210	GLU-226

Site TYR-227

Site GLU-228

0.00000	0.16872	GLU-228
0.20000	0.12023	GLU-228
0.40000	0.08475	GLU-228
0.60000	0.06153	GLU-228

Site ASP-233

0.40000	0.93610	ASP-233
0.60000	0.91052	ASP-233
0.80000	0.86599	ASP-233
1.00000	0.81140	ASP-233
1.20000	0.75296	ASP-233
1.40000	0.67338	ASP-233
1.60000	0.58293	ASP-233
1.80000	0.48129	ASP-233
2.00000	0.40881	ASP-233
2.20000	0.31609	ASP-233
2.40000	0.24291	ASP-233
2.60000	0.19341	ASP-233
2.80000	0.12597	ASP-233
3.00000	0.09617	ASP-233
3.20000	0.06471	ASP-233

Site ARG-236

Site LYS-237

10.20000	0.93169	LYS-237
10.40000	0.90157	LYS-237
10.60000	0.85941	LYS-237
10.80000	0.80396	LYS-237
11.00000	0.73756	LYS-237
11.20000	0.66233	LYS-237
11.40000	0.57102	LYS-237
11.60000	0.49073	LYS-237
11.80000	0.39289	LYS-237

Site ASP-240

0.80000	0.94019	ASP-240
1.00000	0.90983	ASP-240
1.20000	0.86833	ASP-240
1.40000	0.82967	ASP-240

1.60000	0.78444	ASP-240
1.80000	0.71888	ASP-240
2.00000	0.65383	ASP-240
2.20000	0.58356	ASP-240
2.40000	0.49618	ASP-240
2.60000	0.42782	ASP-240
2.80000	0.37991	ASP-240
3.00000	0.30894	ASP-240
3.20000	0.25616	ASP-240
3.40000	0.20191	ASP-240
3.60000	0.16774	ASP-240
3.80000	0.12976	ASP-240
4.00000	0.09840	ASP-240
4.20000	0.08130	ASP-240
4.40000	0.05735	ASP-240

Site LYS-241

9.80000	0.93755	LYS-241
10.00000	0.90938	LYS-241
10.20000	0.87707	LYS-241
10.40000	0.81982	LYS-241
10.60000	0.75288	LYS-241
10.80000	0.67490	LYS-241
11.00000	0.58835	LYS-241
11.20000	0.49243	LYS-241
11.40000	0.40073	LYS-241
11.60000	0.31381	LYS-241
11.80000	0.25033	LYS-241

Site LYS-243

8.00000	0.93967	LYS-243
8.20000	0.90562	LYS-243
8.40000	0.85783	LYS-243
8.60000	0.79456	LYS-243
8.80000	0.72266	LYS-243
9.00000	0.63875	LYS-243
9.20000	0.51133	LYS-243
9.40000	0.42072	LYS-243
9.60000	0.32100	LYS-243
9.80000	0.24333	LYS-243
10.00000	0.18245	LYS-243
10.20000	0.12482	LYS-243
10.40000	0.09321	LYS-243
10.60000	0.06236	LYS-243

Site ASP-244

0.60000	0.92500	ASP-244
0.80000	0.89246	ASP-244
1.00000	0.83846	ASP-244
1.20000	0.78197	ASP-244
1.40000	0.71034	ASP-244
1.60000	0.63938	ASP-244
1.80000	0.55900	ASP-244
2.00000	0.46654	ASP-244
2.20000	0.40217	ASP-244
2.40000	0.32299	ASP-244
2.60000	0.23940	ASP-244
2.80000	0.18515	ASP-244
3.00000	0.13100	ASP-244
3.20000	0.09761	ASP-244
3.40000	0.07504	ASP-244

Site HID-246

3.60000	0.94876	HID-246
3.80000	0.93676	HID-246
4.00000	0.90368	HID-246
4.20000	0.86864	HID-246
4.40000	0.81955	HID-246
4.60000	0.76282	HID-246
4.80000	0.69264	HID-246
5.00000	0.60063	HID-246
5.20000	0.50028	HID-246
5.40000	0.39952	HID-246

5.60000	0.31061	HID-246
5.80000	0.22162	HID-246
6.00000	0.16022	HID-246
6.20000	0.10634	HID-246
6.40000	0.06843	HID-246
6.60000	0.05271	HID-246
Site ARG-249		
11.60000	0.93999	ARG-249
11.80000	0.91757	ARG-249
Site HID-253		
0.00000	0.89020	HID-253
0.20000	0.88399	HID-253
0.40000	0.89107	HID-253
0.60000	0.86871	HID-253
0.80000	0.89174	HID-253
1.00000	0.88116	HID-253
1.20000	0.86843	HID-253
1.40000	0.87259	HID-253
1.60000	0.85470	HID-253
1.80000	0.87344	HID-253
2.00000	0.85268	HID-253
2.20000	0.85115	HID-253
2.40000	0.84820	HID-253
2.60000	0.84555	HID-253
2.80000	0.86500	HID-253
3.00000	0.82926	HID-253
3.20000	0.84538	HID-253
3.40000	0.84745	HID-253
3.60000	0.83803	HID-253
3.80000	0.85013	HID-253
4.00000	0.83414	HID-253
4.20000	0.84120	HID-253
4.40000	0.85363	HID-253
4.60000	0.83490	HID-253
4.80000	0.83030	HID-253
5.00000	0.82903	HID-253
5.20000	0.82237	HID-253
5.40000	0.79762	HID-253
5.60000	0.80204	HID-253
5.80000	0.79868	HID-253
6.00000	0.76778	HID-253
6.20000	0.76091	HID-253
6.40000	0.75129	HID-253
6.60000	0.74990	HID-253
6.80000	0.75008	HID-253
7.00000	0.73277	HID-253
7.20000	0.73398	HID-253
7.40000	0.72791	HID-253
7.60000	0.73482	HID-253
7.80000	0.74315	HID-253
8.00000	0.72319	HID-253
8.20000	0.75132	HID-253
8.40000	0.74280	HID-253
8.60000	0.75148	HID-253
8.80000	0.72749	HID-253
9.00000	0.73071	HID-253
9.20000	0.72577	HID-253
9.40000	0.72369	HID-253
9.60000	0.72645	HID-253
9.80000	0.72537	HID-253
10.00000	0.74209	HID-253
10.20000	0.70638	HID-253
10.40000	0.70068	HID-253
10.60000	0.66031	HID-253
10.80000	0.64736	HID-253
11.00000	0.64164	HID-253
11.20000	0.61151	HID-253
11.40000	0.59892	HID-253
11.60000	0.56004	HID-253

11.80000 0.52628 HID-253

Site ARG-258

Site LYS-263

9.80000 0.94731 LYS-263

10.00000 0.93025 LYS-263

10.20000 0.90357 LYS-263

10.40000 0.87007 LYS-263

10.60000 0.82286 LYS-263

10.80000 0.76774 LYS-263

11.00000 0.72120 LYS-263

11.20000 0.66917 LYS-263

11.40000 0.59716 LYS-263

11.60000 0.54075 LYS-263

11.80000 0.47473 LYS-263

Site GLU-264

1.80000 0.94254 GLU-264

2.00000 0.93582 GLU-264

2.20000 0.92166 GLU-264

2.40000 0.89664 GLU-264

2.60000 0.86296 GLU-264

2.80000 0.80112 GLU-264

3.00000 0.76787 GLU-264

3.20000 0.69821 GLU-264

3.40000 0.61039 GLU-264

3.60000 0.53264 GLU-264

3.80000 0.45134 GLU-264

4.00000 0.34409 GLU-264

4.20000 0.28681 GLU-264

4.40000 0.20009 GLU-264

4.60000 0.15886 GLU-264

4.80000 0.10513 GLU-264

5.00000 0.07384 GLU-264

Site ASP-265

0.00000 0.70319 ASP-265

0.20000 0.61609 ASP-265

0.40000 0.51327 ASP-265

0.60000 0.39874 ASP-265

0.80000 0.32058 ASP-265

1.00000 0.23262 ASP-265

1.20000 0.16309 ASP-265

1.40000 0.12507 ASP-265

1.60000 0.08260 ASP-265

1.80000 0.06973 ASP-265

2.00000 0.05025 ASP-265

Site ARG-272

10.60000 0.94064 ARG-272

10.80000 0.92083 ARG-272

11.00000 0.90247 ARG-272

11.20000 0.86971 ARG-272

11.40000 0.82800 ARG-272

11.60000 0.78509 ARG-272

11.80000 0.72865 ARG-272

Site GLU-276

2.00000 0.94938 GLU-276

2.20000 0.91917 GLU-276

2.40000 0.88552 GLU-276

2.60000 0.82937 GLU-276

2.80000 0.77482 GLU-276

3.00000 0.68639 GLU-276

3.20000 0.59865 GLU-276

3.40000 0.48473 GLU-276

3.60000 0.39653 GLU-276

3.80000 0.30721 GLU-276

4.00000 0.22269 GLU-276

4.20000 0.15793 GLU-276

4.40000 0.10881 GLU-276

4.60000 0.07557 GLU-276

Site LYS-277

8.60000 0.94207 LYS-277

8.80000	0.92291	LYS-277
9.00000	0.89710	LYS-277
9.20000	0.83481	LYS-277
9.40000	0.78175	LYS-277
9.60000	0.72669	LYS-277
9.80000	0.62718	LYS-277
10.00000	0.55728	LYS-277
10.20000	0.47381	LYS-277
10.40000	0.39697	LYS-277
10.60000	0.32053	LYS-277
10.80000	0.24213	LYS-277
11.00000	0.18218	LYS-277
11.20000	0.14271	LYS-277
11.40000	0.11063	LYS-277
11.60000	0.08148	LYS-277
11.80000	0.05562	LYS-277

Site LYS-280

8.80000	0.94709	LYS-280
9.00000	0.91803	LYS-280
9.20000	0.88800	LYS-280
9.40000	0.83481	LYS-280
9.60000	0.78457	LYS-280
9.80000	0.69659	LYS-280
10.00000	0.63008	LYS-280
10.20000	0.55427	LYS-280
10.40000	0.47278	LYS-280
10.60000	0.40661	LYS-280
10.80000	0.35380	LYS-280
11.00000	0.30923	LYS-280
11.20000	0.25389	LYS-280
11.40000	0.21708	LYS-280
11.60000	0.17554	LYS-280
11.80000	0.14583	LYS-280

Site ASP-281

0.00000	0.83070	ASP-281
0.20000	0.76893	ASP-281
0.40000	0.69083	ASP-281
0.60000	0.57482	ASP-281
0.80000	0.46682	ASP-281
1.00000	0.36963	ASP-281
1.20000	0.27577	ASP-281
1.40000	0.19045	ASP-281
1.60000	0.13692	ASP-281
1.80000	0.09755	ASP-281
2.00000	0.06027	ASP-281

Site LYS-282

9.20000	0.93133	LYS-282
9.40000	0.90919	LYS-282
9.60000	0.87414	LYS-282
9.80000	0.86258	LYS-282
10.00000	0.82013	LYS-282
10.20000	0.79013	LYS-282
10.40000	0.76301	LYS-282
10.60000	0.72890	LYS-282
10.80000	0.68425	LYS-282
11.00000	0.64447	LYS-282
11.20000	0.60872	LYS-282
11.40000	0.55409	LYS-282
11.60000	0.49573	LYS-282
11.80000	0.41841	LYS-282

Site LYS-285

8.60000	0.93737	LYS-285
8.80000	0.90855	LYS-285
9.00000	0.86692	LYS-285
9.20000	0.83835	LYS-285
9.40000	0.76706	LYS-285
9.60000	0.71400	LYS-285
9.80000	0.63219	LYS-285
10.00000	0.54745	LYS-285

10.20000	0.47027	LYS-285
10.40000	0.37664	LYS-285
10.60000	0.29078	LYS-285
10.80000	0.23483	LYS-285
11.00000	0.17417	LYS-285
11.20000	0.12742	LYS-285
11.40000	0.08595	LYS-285
11.60000	0.06201	LYS-285

Site LYS-296

11.20000	0.93556	LYS-296
11.40000	0.91904	LYS-296
11.60000	0.87990	LYS-296
11.80000	0.86031	LYS-296

Site ASP-297

0.00000	0.10780	ASP-297
0.20000	0.11238	ASP-297
0.40000	0.13069	ASP-297
0.60000	0.12761	ASP-297
0.80000	0.13430	ASP-297
1.00000	0.13295	ASP-297
1.20000	0.14749	ASP-297
1.40000	0.16131	ASP-297
1.60000	0.16433	ASP-297
1.80000	0.16909	ASP-297
2.00000	0.18037	ASP-297
2.20000	0.17825	ASP-297
2.40000	0.17874	ASP-297
2.60000	0.19445	ASP-297
2.80000	0.17045	ASP-297
3.00000	0.18110	ASP-297
3.20000	0.18689	ASP-297
3.40000	0.17337	ASP-297
3.60000	0.16762	ASP-297
3.80000	0.15947	ASP-297
4.00000	0.14783	ASP-297
4.20000	0.12609	ASP-297
4.40000	0.11779	ASP-297
4.60000	0.10662	ASP-297
4.80000	0.09908	ASP-297
5.00000	0.08615	ASP-297
5.20000	0.07397	ASP-297
5.40000	0.06304	ASP-297
5.60000	0.05346	ASP-297

Site LYS-301

Site ASP-302

0.00000	0.88274	ASP-302
0.20000	0.88066	ASP-302
0.40000	0.85515	ASP-302
0.60000	0.85853	ASP-302
0.80000	0.84790	ASP-302
1.00000	0.84309	ASP-302
1.20000	0.82741	ASP-302
1.40000	0.80666	ASP-302
1.60000	0.79414	ASP-302
1.80000	0.78406	ASP-302
2.00000	0.75522	ASP-302
2.20000	0.74230	ASP-302
2.40000	0.71696	ASP-302
2.60000	0.66724	ASP-302
2.80000	0.64983	ASP-302
3.00000	0.59319	ASP-302
3.20000	0.52220	ASP-302
3.40000	0.49091	ASP-302
3.60000	0.40856	ASP-302
3.80000	0.35862	ASP-302
4.00000	0.30380	ASP-302
4.20000	0.25972	ASP-302
4.40000	0.21645	ASP-302
4.60000	0.17108	ASP-302

4.80000	0.14631	ASP-302
5.00000	0.11961	ASP-302
5.20000	0.09300	ASP-302
5.40000	0.07698	ASP-302
5.60000	0.06000	ASP-302
Site ARG-309		
10.20000	0.93217	ARG-309
10.40000	0.91313	ARG-309
10.60000	0.88331	ARG-309
10.80000	0.85031	ARG-309
11.00000	0.80053	ARG-309
11.20000	0.75891	ARG-309
11.40000	0.70673	ARG-309
11.60000	0.64397	ARG-309
11.80000	0.57503	ARG-309
Site ARG-313		
Site ASP-315		
0.00000	0.16021	ASP-315
0.20000	0.12598	ASP-315
0.40000	0.10758	ASP-315
0.60000	0.08198	ASP-315
0.80000	0.06901	ASP-315
1.00000	0.05530	ASP-315
Site TYR-319		
Site TYR-324		
Site ARG-332		
Site LYS-333		
8.00000	0.92061	LYS-333
8.20000	0.87470	LYS-333
8.40000	0.83436	LYS-333
8.60000	0.76470	LYS-333
8.80000	0.67068	LYS-333
9.00000	0.58329	LYS-333
9.20000	0.50354	LYS-333
9.40000	0.38824	LYS-333
9.60000	0.31754	LYS-333
9.80000	0.25005	LYS-333
10.00000	0.19197	LYS-333
10.20000	0.14724	LYS-333
10.40000	0.10263	LYS-333
10.60000	0.08634	LYS-333
10.80000	0.05869	LYS-333
Site GLU-335		
1.20000	0.92606	GLU-335
1.40000	0.89870	GLU-335
1.60000	0.86102	GLU-335
1.80000	0.81127	GLU-335
2.00000	0.74922	GLU-335
2.20000	0.67747	GLU-335
2.40000	0.59658	GLU-335
2.60000	0.51200	GLU-335
2.80000	0.42700	GLU-335
3.00000	0.35000	GLU-335
3.20000	0.27862	GLU-335
3.40000	0.21726	GLU-335
3.60000	0.17018	GLU-335
3.80000	0.12384	GLU-335
4.00000	0.10419	GLU-335
4.20000	0.08765	GLU-335
4.40000	0.06595	GLU-335
Site GLU-336		
2.80000	0.93875	GLU-336
3.00000	0.92871	GLU-336
3.20000	0.91325	GLU-336
3.40000	0.89587	GLU-336
3.60000	0.85518	GLU-336
3.80000	0.83783	GLU-336
4.00000	0.77523	GLU-336
4.20000	0.70795	GLU-336

4.40000	0.63187	GLU-336
4.60000	0.54102	GLU-336
4.80000	0.43409	GLU-336
5.00000	0.34200	GLU-336
5.20000	0.24833	GLU-336
5.40000	0.17570	GLU-336
5.60000	0.12000	GLU-336
5.80000	0.07613	GLU-336

Site GLU-337

1.00000	0.94902	GLU-337
1.20000	0.93436	GLU-337
1.40000	0.91154	GLU-337
1.60000	0.86727	GLU-337
1.80000	0.83008	GLU-337
2.00000	0.76100	GLU-337
2.20000	0.69404	GLU-337
2.40000	0.59801	GLU-337
2.60000	0.52546	GLU-337
2.80000	0.44400	GLU-337
3.00000	0.35405	GLU-337
3.20000	0.29245	GLU-337
3.40000	0.20470	GLU-337
3.60000	0.16781	GLU-337
3.80000	0.11976	GLU-337
4.00000	0.08565	GLU-337
4.20000	0.06162	GLU-337

Site ARG-341

Site ARG-342

10.00000	0.93977	ARG-342
10.20000	0.91980	ARG-342
10.40000	0.89162	ARG-342
10.60000	0.88161	ARG-342
10.80000	0.84782	ARG-342
11.00000	0.80555	ARG-342
11.20000	0.76132	ARG-342
11.40000	0.70210	ARG-342
11.60000	0.64432	ARG-342
11.80000	0.57170	ARG-342

Site ARG-344

9.60000	0.94331	ARG-344
9.80000	0.91643	ARG-344
10.00000	0.89874	ARG-344
10.20000	0.86791	ARG-344
10.40000	0.83902	ARG-344
10.60000	0.79255	ARG-344
10.80000	0.75693	ARG-344
11.00000	0.70655	ARG-344
11.20000	0.66415	ARG-344
11.40000	0.57985	ARG-344
11.60000	0.52801	ARG-344
11.80000	0.43890	ARG-344

Site GLU-352

1.20000	0.94415	GLU-352
1.40000	0.91036	GLU-352
1.60000	0.87765	GLU-352
1.80000	0.83955	GLU-352
2.00000	0.79972	GLU-352
2.20000	0.72955	GLU-352
2.40000	0.66013	GLU-352
2.60000	0.57819	GLU-352
2.80000	0.49927	GLU-352
3.00000	0.42055	GLU-352
3.20000	0.33100	GLU-352
3.40000	0.26219	GLU-352
3.60000	0.20197	GLU-352
3.80000	0.14852	GLU-352
4.00000	0.11162	GLU-352
4.20000	0.08697	GLU-352
4.40000	0.05953	GLU-352

Site GLU-354

Site ARG-356

11.00000	0.94842	ARG-356
11.20000	0.92204	ARG-356
11.40000	0.88314	ARG-356
11.60000	0.83597	ARG-356
11.80000	0.77471	ARG-356

Site LYS-357

Site GLU-366

2.60000	0.93188	GLU-366
2.80000	0.90871	GLU-366
3.00000	0.85920	GLU-366
3.20000	0.80723	GLU-366
3.40000	0.73003	GLU-366
3.60000	0.64618	GLU-366
3.80000	0.54602	GLU-366
4.00000	0.43371	GLU-366
4.20000	0.34175	GLU-366
4.40000	0.24800	GLU-366
4.60000	0.17135	GLU-366
4.80000	0.11420	GLU-366
5.00000	0.07460	GLU-366

Site GLU-378

0.40000	0.94761	GLU-378
0.60000	0.94115	GLU-378
0.80000	0.93789	GLU-378
1.00000	0.92516	GLU-378
1.20000	0.92024	GLU-378
1.40000	0.89873	GLU-378
1.60000	0.88865	GLU-378
1.80000	0.86010	GLU-378
2.00000	0.82188	GLU-378
2.20000	0.78039	GLU-378
2.40000	0.75444	GLU-378
2.60000	0.69373	GLU-378
2.80000	0.64828	GLU-378
3.00000	0.58792	GLU-378
3.20000	0.53736	GLU-378
3.40000	0.47436	GLU-378
3.60000	0.41900	GLU-378
3.80000	0.36290	GLU-378
4.00000	0.30916	GLU-378
4.20000	0.26164	GLU-378
4.40000	0.21108	GLU-378
4.60000	0.17820	GLU-378
4.80000	0.14292	GLU-378
5.00000	0.10011	GLU-378
5.20000	0.07354	GLU-378

Site ASP-379

0.00000	0.22316	ASP-379
0.20000	0.17125	ASP-379
0.40000	0.14359	ASP-379
0.60000	0.11306	ASP-379
0.80000	0.09304	ASP-379
1.00000	0.07886	ASP-379
1.20000	0.05811	ASP-379
1.40000	0.05433	ASP-379

Site LYS-386

Site GLU-388

0.00000	0.86372	GLU-388
0.20000	0.82366	GLU-388
0.40000	0.77740	GLU-388
0.60000	0.71886	GLU-388
0.80000	0.64147	GLU-388
1.00000	0.54410	GLU-388
1.20000	0.46608	GLU-388
1.40000	0.36672	GLU-388
1.60000	0.29721	GLU-388
1.80000	0.22373	GLU-388

2.00000	0.17195	GLU-388
2.20000	0.12426	GLU-388
2.40000	0.08831	GLU-388
2.60000	0.07185	GLU-388
2.80000	0.05328	GLU-388
Site ASP-390		
Site ASP-395		
Site TYR-398		
Site TYR-400		
Site LYS-404		
10.00000	0.94936	LYS-404
10.20000	0.93326	LYS-404
10.40000	0.90720	LYS-404
10.60000	0.87809	LYS-404
10.80000	0.83436	LYS-404
11.00000	0.78025	LYS-404
11.20000	0.72736	LYS-404
11.40000	0.66567	LYS-404
11.60000	0.58713	LYS-404
11.80000	0.50874	LYS-404
Site GLU-413		
Site TYR-415		
Site LYS-416		
8.80000	0.94428	LYS-416
9.00000	0.91463	LYS-416
9.20000	0.88560	LYS-416
9.40000	0.84845	LYS-416
9.60000	0.78087	LYS-416
9.80000	0.72070	LYS-416
10.00000	0.62103	LYS-416
10.20000	0.52145	LYS-416
10.40000	0.42106	LYS-416
10.60000	0.31632	LYS-416
10.80000	0.23337	LYS-416
11.00000	0.17499	LYS-416
11.20000	0.12474	LYS-416
11.40000	0.09081	LYS-416
11.60000	0.06500	LYS-416
Site ASP-422		
2.20000	0.93936	ASP-422
2.40000	0.91409	ASP-422
2.60000	0.87041	ASP-422
2.80000	0.83021	ASP-422
3.00000	0.76218	ASP-422
3.20000	0.68761	ASP-422
3.40000	0.59590	ASP-422
3.60000	0.48063	ASP-422
3.80000	0.38379	ASP-422
4.00000	0.29577	ASP-422
4.20000	0.21404	ASP-422
4.40000	0.14788	ASP-422
4.60000	0.10704	ASP-422
4.80000	0.06952	ASP-422
Site ASP-424		
0.00000	0.35729	ASP-424
0.20000	0.30544	ASP-424
0.40000	0.27504	ASP-424
0.60000	0.23881	ASP-424
0.80000	0.20478	ASP-424
1.00000	0.18309	ASP-424
1.20000	0.15534	ASP-424
1.40000	0.14377	ASP-424
1.60000	0.11149	ASP-424
1.80000	0.09754	ASP-424
2.00000	0.07600	ASP-424
2.20000	0.06781	ASP-424
2.40000	0.05273	ASP-424
Site ASP-429		
0.80000	0.94019	ASP-429

1.00000	0.91033	ASP-429
1.20000	0.87318	ASP-429
1.40000	0.83260	ASP-429
1.60000	0.78420	ASP-429
1.80000	0.70947	ASP-429
2.00000	0.61327	ASP-429
2.20000	0.53737	ASP-429
2.40000	0.44698	ASP-429
2.60000	0.35394	ASP-429
2.80000	0.27080	ASP-429
3.00000	0.19690	ASP-429
3.20000	0.14941	ASP-429
3.40000	0.10170	ASP-429
3.60000	0.07350	ASP-429
3.80000	0.05133	ASP-429

Site ARG-430

Site GLU-433

3.20000	0.93825	GLU-433
3.40000	0.91315	GLU-433
3.60000	0.88431	GLU-433
3.80000	0.82886	GLU-433
4.00000	0.78275	GLU-433
4.20000	0.69846	GLU-433
4.40000	0.61582	GLU-433
4.60000	0.53046	GLU-433
4.80000	0.41899	GLU-433
5.00000	0.32497	GLU-433
5.20000	0.25729	GLU-433
5.40000	0.19344	GLU-433
5.60000	0.14294	GLU-433
5.80000	0.10032	GLU-433
6.00000	0.07957	GLU-433

Site TYR-435

Site ARG-442

Site ARG-443

10.40000	0.92656	ARG-443
10.60000	0.89361	ARG-443
10.80000	0.84257	ARG-443
11.00000	0.77786	ARG-443
11.20000	0.71373	ARG-443
11.40000	0.59065	ARG-443
11.60000	0.50625	ARG-443
11.80000	0.39928	ARG-443

Site ASP-445

0.00000	0.91947	ASP-445
0.20000	0.88657	ASP-445
0.40000	0.83273	ASP-445
0.60000	0.79196	ASP-445
0.80000	0.71695	ASP-445
1.00000	0.65248	ASP-445
1.20000	0.57502	ASP-445
1.40000	0.49819	ASP-445
1.60000	0.43491	ASP-445
1.80000	0.38868	ASP-445
2.00000	0.35724	ASP-445
2.20000	0.28521	ASP-445
2.40000	0.25026	ASP-445
2.60000	0.21943	ASP-445
2.80000	0.18583	ASP-445
3.00000	0.14315	ASP-445
3.20000	0.11103	ASP-445
3.40000	0.08823	ASP-445
3.60000	0.06129	ASP-445

Site LYS-454

9.40000	0.92608	LYS-454
9.60000	0.89200	LYS-454
9.80000	0.82855	LYS-454
10.00000	0.75438	LYS-454
10.20000	0.68046	LYS-454

10.40000	0.58167	LYS-454
10.60000	0.49145	LYS-454
10.80000	0.39038	LYS-454
11.00000	0.30034	LYS-454
11.20000	0.22263	LYS-454
11.40000	0.16933	LYS-454
11.60000	0.12188	LYS-454
11.80000	0.08841	LYS-454

Site LYS-456

10.80000	0.94602	LYS-456
11.00000	0.93210	LYS-456
11.20000	0.92252	LYS-456
11.40000	0.89560	LYS-456
11.60000	0.85557	LYS-456
11.80000	0.83911	LYS-456

Site LYS-457

10.00000	0.92865	LYS-457
10.20000	0.89389	LYS-457
10.40000	0.83584	LYS-457
10.60000	0.79100	LYS-457
10.80000	0.71006	LYS-457
11.00000	0.62224	LYS-457
11.20000	0.52900	LYS-457
11.40000	0.43143	LYS-457
11.60000	0.33917	LYS-457
11.80000	0.26380	LYS-457

Site HID-460

0.00000	0.14126	HID-460
0.20000	0.12345	HID-460
0.40000	0.11662	HID-460
0.60000	0.10613	HID-460
0.80000	0.08699	HID-460
1.00000	0.08548	HID-460
1.20000	0.07180	HID-460
1.40000	0.06293	HID-460
1.60000	0.05186	HID-460

Site ASP-464

Site ARG-465

7.60000	0.93501	ARG-465
7.80000	0.92906	ARG-465
8.00000	0.90158	ARG-465
8.20000	0.88528	ARG-465
8.40000	0.87384	ARG-465
8.60000	0.84133	ARG-465
8.80000	0.83352	ARG-465
9.00000	0.82574	ARG-465
9.20000	0.81831	ARG-465
9.40000	0.80410	ARG-465
9.60000	0.79870	ARG-465
9.80000	0.78963	ARG-465
10.00000	0.76662	ARG-465
10.20000	0.76934	ARG-465
10.40000	0.76284	ARG-465
10.60000	0.76222	ARG-465
10.80000	0.75868	ARG-465
11.00000	0.75882	ARG-465
11.20000	0.74912	ARG-465
11.40000	0.73856	ARG-465
11.60000	0.76904	ARG-465
11.80000	0.77207	ARG-465

Site LYS-484

10.60000	0.92509	LYS-484
10.80000	0.89244	LYS-484
11.00000	0.84096	LYS-484
11.20000	0.77808	LYS-484
11.40000	0.71364	LYS-484
11.60000	0.59610	LYS-484
11.80000	0.50620	LYS-484

Site ASP-486

2.00000	0.93601	ASP-486
2.20000	0.90692	ASP-486
2.40000	0.87840	ASP-486
2.60000	0.85222	ASP-486
2.80000	0.82093	ASP-486
3.00000	0.79183	ASP-486
3.20000	0.76318	ASP-486
3.40000	0.73662	ASP-486
3.60000	0.69982	ASP-486
3.80000	0.64300	ASP-486
4.00000	0.59164	ASP-486
4.20000	0.53818	ASP-486
4.40000	0.45850	ASP-486
4.60000	0.37771	ASP-486
4.80000	0.28327	ASP-486
5.00000	0.22305	ASP-486
5.20000	0.15368	ASP-486
5.40000	0.11128	ASP-486
5.60000	0.07597	ASP-486

Site GLU-487

1.40000	0.94569	GLU-487
1.60000	0.92664	GLU-487
1.80000	0.89465	GLU-487
2.00000	0.83202	GLU-487
2.20000	0.76691	GLU-487
2.40000	0.70966	GLU-487
2.60000	0.61122	GLU-487
2.80000	0.52982	GLU-487
3.00000	0.44436	GLU-487
3.20000	0.36191	GLU-487
3.40000	0.28878	GLU-487
3.60000	0.23810	GLU-487
3.80000	0.19327	GLU-487
4.00000	0.14810	GLU-487
4.20000	0.10814	GLU-487
4.40000	0.08577	GLU-487
4.60000	0.06518	GLU-487

Site TYR-488

Site ASP-498

2.00000	0.93242	ASP-498
2.20000	0.90123	ASP-498
2.40000	0.86765	ASP-498
2.60000	0.82246	ASP-498
2.80000	0.76661	ASP-498
3.00000	0.69429	ASP-498
3.20000	0.61856	ASP-498
3.40000	0.54073	ASP-498
3.60000	0.45271	ASP-498
3.80000	0.37983	ASP-498
4.00000	0.30538	ASP-498
4.20000	0.24743	ASP-498
4.40000	0.17261	ASP-498
4.60000	0.14389	ASP-498
4.80000	0.10171	ASP-498
5.00000	0.07115	ASP-498
5.20000	0.05181	ASP-498

Site ARG-500

Site ASP-510

0.60000	0.94051	ASP-510
0.80000	0.91721	ASP-510
1.00000	0.88998	ASP-510
1.20000	0.83769	ASP-510
1.40000	0.80065	ASP-510
1.60000	0.73325	ASP-510
1.80000	0.67236	ASP-510
2.00000	0.59473	ASP-510
2.20000	0.53893	ASP-510
2.40000	0.48173	ASP-510
2.60000	0.44318	ASP-510

2.80000	0.40932	ASP-510
3.00000	0.37008	ASP-510
3.20000	0.34043	ASP-510
3.40000	0.33754	ASP-510
3.60000	0.30441	ASP-510
3.80000	0.28509	ASP-510
4.00000	0.27310	ASP-510
4.20000	0.24723	ASP-510
4.40000	0.22430	ASP-510
4.60000	0.20957	ASP-510
4.80000	0.21372	ASP-510
5.00000	0.19291	ASP-510
5.20000	0.19434	ASP-510
5.40000	0.20176	ASP-510
5.60000	0.17956	ASP-510
5.80000	0.16822	ASP-510
6.00000	0.14617	ASP-510
6.20000	0.12013	ASP-510
6.40000	0.08643	ASP-510
6.60000	0.07218	ASP-510

Site GLU-511

1.20000	0.94919	GLU-511
1.40000	0.93266	GLU-511
1.60000	0.90126	GLU-511
1.80000	0.88212	GLU-511
2.00000	0.85256	GLU-511
2.20000	0.81517	GLU-511
2.40000	0.78345	GLU-511
2.60000	0.74200	GLU-511
2.80000	0.70470	GLU-511
3.00000	0.66400	GLU-511
3.20000	0.63004	GLU-511
3.40000	0.55100	GLU-511
3.60000	0.52307	GLU-511
3.80000	0.45064	GLU-511
4.00000	0.38599	GLU-511
4.20000	0.33123	GLU-511
4.40000	0.27305	GLU-511
4.60000	0.21569	GLU-511
4.80000	0.15366	GLU-511
5.00000	0.12184	GLU-511
5.20000	0.09415	GLU-511
5.40000	0.06541	GLU-511

Site GLU-514

3.60000	0.94618	GLU-514
3.80000	0.93173	GLU-514
4.00000	0.90985	GLU-514
4.20000	0.88263	GLU-514
4.40000	0.86960	GLU-514
4.60000	0.84832	GLU-514
4.80000	0.80789	GLU-514
5.00000	0.78466	GLU-514
5.20000	0.73359	GLU-514
5.40000	0.67051	GLU-514
5.60000	0.62434	GLU-514
5.80000	0.56030	GLU-514
6.00000	0.48249	GLU-514
6.20000	0.38691	GLU-514
6.40000	0.30425	GLU-514
6.60000	0.23345	GLU-514
6.80000	0.16134	GLU-514
7.00000	0.11137	GLU-514
7.20000	0.07780	GLU-514

Site LYS-516

9.40000	0.93584	LYS-516
9.60000	0.90106	LYS-516
9.80000	0.85129	LYS-516
10.00000	0.78554	LYS-516
10.20000	0.71766	LYS-516

10.40000	0.60735	LYS-516
10.60000	0.50237	LYS-516
10.80000	0.38554	LYS-516
11.00000	0.29181	LYS-516
11.20000	0.22085	LYS-516
11.40000	0.14825	LYS-516
11.60000	0.10426	LYS-516
11.80000	0.07068	LYS-516

Site GLU-523

Site ARG-524

Site TYR-525

Site TYR-526

Site TYR-528

0.00000	0.92510	TYR-528
0.20000	0.91269	TYR-528
0.40000	0.90780	TYR-528
0.60000	0.89740	TYR-528
0.80000	0.89114	TYR-528
1.00000	0.88557	TYR-528
1.20000	0.87604	TYR-528
1.40000	0.87264	TYR-528
1.60000	0.86736	TYR-528
1.80000	0.85060	TYR-528
2.00000	0.85067	TYR-528
2.20000	0.84685	TYR-528
2.40000	0.84700	TYR-528
2.60000	0.82859	TYR-528
2.80000	0.83484	TYR-528
3.00000	0.81652	TYR-528
3.20000	0.82679	TYR-528
3.40000	0.82762	TYR-528
3.60000	0.81716	TYR-528
3.80000	0.81323	TYR-528
4.00000	0.82878	TYR-528
4.20000	0.81395	TYR-528
4.40000	0.81787	TYR-528
4.60000	0.81891	TYR-528
4.80000	0.83221	TYR-528
5.00000	0.82642	TYR-528
5.20000	0.83022	TYR-528
5.40000	0.82533	TYR-528
5.60000	0.84091	TYR-528
5.80000	0.83607	TYR-528
6.00000	0.82857	TYR-528
6.20000	0.84310	TYR-528
6.40000	0.86188	TYR-528
6.60000	0.85367	TYR-528
6.80000	0.86644	TYR-528
7.00000	0.85438	TYR-528
7.20000	0.87442	TYR-528
7.40000	0.86758	TYR-528
7.60000	0.87901	TYR-528
7.80000	0.89519	TYR-528
8.00000	0.91572	TYR-528
8.20000	0.92623	TYR-528
8.40000	0.93982	TYR-528

Site ARG-533

Site GLU-537

0.00000	0.86122	GLU-537
0.20000	0.80110	GLU-537
0.40000	0.73318	GLU-537
0.60000	0.64461	GLU-537
0.80000	0.56108	GLU-537
1.00000	0.46417	GLU-537
1.20000	0.36981	GLU-537
1.40000	0.29435	GLU-537
1.60000	0.22673	GLU-537
1.80000	0.16506	GLU-537
2.00000	0.12630	GLU-537

2.20000	0.08855	GLU-537
2.40000	0.07154	GLU-537
2.60000	0.05028	GLU-537

Site ASP-541

0.00000	0.92922	ASP-541
0.20000	0.90665	ASP-541
0.40000	0.87724	ASP-541
0.60000	0.83096	ASP-541
0.80000	0.80508	ASP-541
1.00000	0.76449	ASP-541
1.20000	0.74478	ASP-541
1.40000	0.70410	ASP-541
1.60000	0.67837	ASP-541
1.80000	0.63778	ASP-541
2.00000	0.58930	ASP-541
2.20000	0.56176	ASP-541
2.40000	0.50956	ASP-541
2.60000	0.43964	ASP-541
2.80000	0.36420	ASP-541
3.00000	0.30654	ASP-541
3.20000	0.24082	ASP-541
3.40000	0.18499	ASP-541
3.60000	0.13760	ASP-541
3.80000	0.09962	ASP-541
4.00000	0.07630	ASP-541
4.20000	0.05116	ASP-541

Site LYS-546

0.40000	0.94998	LYS-546
0.60000	0.94384	LYS-546
0.80000	0.93480	LYS-546
1.00000	0.92827	LYS-546
1.20000	0.92729	LYS-546
1.40000	0.91397	LYS-546
1.60000	0.90696	LYS-546
1.80000	0.90118	LYS-546
2.00000	0.89360	LYS-546
2.20000	0.89131	LYS-546
2.40000	0.87785	LYS-546
2.60000	0.87928	LYS-546
2.80000	0.87440	LYS-546
3.00000	0.87082	LYS-546
3.20000	0.86065	LYS-546
3.40000	0.85683	LYS-546
3.60000	0.84534	LYS-546
3.80000	0.84610	LYS-546
4.00000	0.85139	LYS-546
4.20000	0.83916	LYS-546
4.40000	0.85033	LYS-546
4.60000	0.84683	LYS-546
4.80000	0.84006	LYS-546
5.00000	0.84615	LYS-546
5.20000	0.85055	LYS-546
5.40000	0.85025	LYS-546
5.60000	0.85306	LYS-546
5.80000	0.86129	LYS-546
6.00000	0.83745	LYS-546
6.20000	0.83916	LYS-546
6.40000	0.84217	LYS-546
6.60000	0.82171	LYS-546
6.80000	0.81000	LYS-546
7.00000	0.78654	LYS-546
7.20000	0.75273	LYS-546
7.40000	0.69877	LYS-546
7.60000	0.64755	LYS-546
7.80000	0.56894	LYS-546
8.00000	0.47041	LYS-546
8.20000	0.39174	LYS-546
8.40000	0.31052	LYS-546
8.60000	0.22609	LYS-546

8.80000	0.17354	LYS-546
9.00000	0.13179	LYS-546
9.20000	0.10207	LYS-546
9.40000	0.07377	LYS-546
9.60000	0.05848	LYS-546

Site ASP-547

Site ASP-555

1.40000	0.94392	ASP-555
1.60000	0.90742	ASP-555
1.80000	0.86904	ASP-555
2.00000	0.82086	ASP-555
2.20000	0.76186	ASP-555
2.40000	0.67281	ASP-555
2.60000	0.57973	ASP-555
2.80000	0.49400	ASP-555
3.00000	0.40026	ASP-555
3.20000	0.32508	ASP-555
3.40000	0.26690	ASP-555
3.60000	0.21189	ASP-555
3.80000	0.16039	ASP-555
4.00000	0.13243	ASP-555
4.20000	0.09962	ASP-555
4.40000	0.08536	ASP-555
4.60000	0.05153	ASP-555

Site GLU-560

2.60000	0.94122	GLU-560
2.80000	0.92622	GLU-560
3.00000	0.90118	GLU-560
3.20000	0.86972	GLU-560
3.40000	0.84936	GLU-560
3.60000	0.80046	GLU-560
3.80000	0.75729	GLU-560
4.00000	0.71718	GLU-560
4.20000	0.67120	GLU-560
4.40000	0.60582	GLU-560
4.60000	0.53229	GLU-560
4.80000	0.46285	GLU-560
5.00000	0.38000	GLU-560
5.20000	0.29254	GLU-560
5.40000	0.21881	GLU-560
5.60000	0.16545	GLU-560
5.80000	0.11400	GLU-560
6.00000	0.07525	GLU-560
6.20000	0.05348	GLU-560

Site LYS-564

11.00000	0.94194	LYS-564
11.20000	0.91731	LYS-564
11.40000	0.87503	LYS-564
11.60000	0.81938	LYS-564
11.80000	0.76122	LYS-564

Site ASP-565

2.20000	0.92744	ASP-565
2.40000	0.90267	ASP-565
2.60000	0.85872	ASP-565
2.80000	0.80564	ASP-565
3.00000	0.74190	ASP-565
3.20000	0.67210	ASP-565
3.40000	0.57609	ASP-565
3.60000	0.48745	ASP-565
3.80000	0.42007	ASP-565
4.00000	0.33087	ASP-565
4.20000	0.24802	ASP-565
4.40000	0.19155	ASP-565
4.60000	0.14074	ASP-565
4.80000	0.09446	ASP-565
5.00000	0.07279	ASP-565

Site LYS-567

9.80000	0.94682	LYS-567
10.00000	0.93626	LYS-567

10.20000	0.90014	LYS-567
10.40000	0.84535	LYS-567
10.60000	0.77165	LYS-567
10.80000	0.68504	LYS-567
11.00000	0.59736	LYS-567
11.20000	0.49617	LYS-567
11.40000	0.38464	LYS-567
11.60000	0.30778	LYS-567
11.80000	0.21517	LYS-567

Site ASP-570

2.20000	0.94230	ASP-570
2.40000	0.92746	ASP-570
2.60000	0.89546	ASP-570
2.80000	0.86345	ASP-570
3.00000	0.83548	ASP-570
3.20000	0.78428	ASP-570
3.40000	0.72564	ASP-570
3.60000	0.66428	ASP-570
3.80000	0.58829	ASP-570
4.00000	0.49308	ASP-570
4.20000	0.41445	ASP-570
4.40000	0.33360	ASP-570
4.60000	0.25364	ASP-570
4.80000	0.17762	ASP-570
5.00000	0.12698	ASP-570
5.20000	0.08240	ASP-570
5.40000	0.05947	ASP-570

Site ASP-577

1.00000	0.94847	ASP-577
1.20000	0.92634	ASP-577
1.40000	0.88601	ASP-577
1.60000	0.83688	ASP-577
1.80000	0.76739	ASP-577
2.00000	0.68283	ASP-577
2.20000	0.58164	ASP-577
2.40000	0.46553	ASP-577
2.60000	0.36911	ASP-577
2.80000	0.27608	ASP-577
3.00000	0.20362	ASP-577
3.20000	0.14285	ASP-577
3.40000	0.10695	ASP-577
3.60000	0.07795	ASP-577

Site LYS-579

9.20000	0.94254	LYS-579
9.40000	0.91334	LYS-579
9.60000	0.86671	LYS-579
9.80000	0.80994	LYS-579
10.00000	0.73057	LYS-579
10.20000	0.63020	LYS-579
10.40000	0.53792	LYS-579
10.60000	0.42809	LYS-579
10.80000	0.33281	LYS-579
11.00000	0.25198	LYS-579
11.20000	0.18411	LYS-579
11.40000	0.12855	LYS-579
11.60000	0.09391	LYS-579
11.80000	0.06186	LYS-579

Site ARG-580

Site LYS-581

10.60000	0.92695	LYS-581
10.80000	0.89361	LYS-581
11.00000	0.86182	LYS-581
11.20000	0.81761	LYS-581
11.40000	0.75093	LYS-581
11.60000	0.66631	LYS-581
11.80000	0.57366	LYS-581

Site GLU-585

2.20000	0.94948	GLU-585
2.40000	0.93527	GLU-585

2.60000	0.90611	GLU-585
2.80000	0.86327	GLU-585
3.00000	0.81509	GLU-585
3.20000	0.76013	GLU-585
3.40000	0.66588	GLU-585
3.60000	0.56601	GLU-585
3.80000	0.46936	GLU-585
4.00000	0.37527	GLU-585
4.20000	0.28874	GLU-585
4.40000	0.20935	GLU-585
4.60000	0.15001	GLU-585
4.80000	0.11182	GLU-585
5.00000	0.07862	GLU-585
5.20000	0.05648	GLU-585

Site ARG-587

11.60000	0.94373	ARG-587
11.80000	0.92212	ARG-587

Site HID-590

3.80000	0.94324	HID-590
4.00000	0.91631	HID-590
4.20000	0.88591	HID-590
4.40000	0.84346	HID-590
4.60000	0.80078	HID-590
4.80000	0.73337	HID-590
5.00000	0.66511	HID-590
5.20000	0.56918	HID-590
5.40000	0.46263	HID-590
5.60000	0.36524	HID-590
5.80000	0.28439	HID-590
6.00000	0.20389	HID-590
6.20000	0.14086	HID-590
6.40000	0.08754	HID-590
6.60000	0.06435	HID-590

Site HID-597

0.00000	0.76825	HID-597
0.20000	0.74270	HID-597
0.40000	0.70495	HID-597
0.60000	0.66567	HID-597
0.80000	0.61993	HID-597
1.00000	0.57225	HID-597
1.20000	0.54109	HID-597
1.40000	0.51538	HID-597
1.60000	0.48591	HID-597
1.80000	0.47191	HID-597
2.00000	0.45357	HID-597
2.20000	0.44317	HID-597
2.40000	0.42577	HID-597
2.60000	0.42969	HID-597
2.80000	0.42409	HID-597
3.00000	0.42915	HID-597
3.20000	0.41539	HID-597
3.40000	0.40468	HID-597
3.60000	0.42091	HID-597
3.80000	0.41701	HID-597
4.00000	0.38096	HID-597
4.20000	0.40433	HID-597
4.40000	0.38088	HID-597
4.60000	0.37818	HID-597
4.80000	0.36364	HID-597
5.00000	0.36180	HID-597
5.20000	0.35078	HID-597
5.40000	0.35332	HID-597
5.60000	0.32790	HID-597
5.80000	0.31626	HID-597
6.00000	0.34357	HID-597
6.20000	0.31880	HID-597
6.40000	0.29233	HID-597
6.60000	0.31527	HID-597
6.80000	0.29045	HID-597

7.00000	0.30708	HID-597
7.20000	0.29125	HID-597
7.40000	0.29744	HID-597
7.60000	0.29133	HID-597
7.80000	0.26851	HID-597
8.00000	0.26787	HID-597
8.20000	0.25540	HID-597
8.40000	0.23908	HID-597
8.60000	0.24076	HID-597
8.80000	0.23005	HID-597
9.00000	0.22264	HID-597
9.20000	0.22326	HID-597
9.40000	0.22136	HID-597
9.60000	0.21906	HID-597
9.80000	0.22483	HID-597
10.00000	0.24837	HID-597
10.20000	0.24096	HID-597
10.40000	0.24841	HID-597
10.60000	0.24680	HID-597
10.80000	0.24848	HID-597
11.00000	0.24330	HID-597
11.20000	0.25363	HID-597
11.40000	0.26021	HID-597
11.60000	0.23286	HID-597
11.80000	0.22816	HID-597

Site ARG-602

Site ASP-604

Site LYS-605

8.40000	0.93849	LYS-605
8.60000	0.92057	LYS-605
8.80000	0.88189	LYS-605
9.00000	0.86093	LYS-605
9.20000	0.82397	LYS-605
9.40000	0.78596	LYS-605
9.60000	0.73665	LYS-605
9.80000	0.67019	LYS-605
10.00000	0.62109	LYS-605
10.20000	0.56658	LYS-605
10.40000	0.50904	LYS-605
10.60000	0.45931	LYS-605
10.80000	0.43074	LYS-605
11.00000	0.41377	LYS-605
11.20000	0.39116	LYS-605
11.40000	0.40871	LYS-605
11.60000	0.38827	LYS-605
11.80000	0.40458	LYS-605

Site GLU-607

1.00000	0.94010	GLU-607
1.20000	0.91305	GLU-607
1.40000	0.86280	GLU-607
1.60000	0.82119	GLU-607
1.80000	0.74547	GLU-607
2.00000	0.67022	GLU-607
2.20000	0.55764	GLU-607
2.40000	0.46518	GLU-607
2.60000	0.36410	GLU-607
2.80000	0.26963	GLU-607
3.00000	0.21674	GLU-607
3.20000	0.14809	GLU-607
3.40000	0.09633	GLU-607
3.60000	0.06972	GLU-607

Site ARG-608

Site LYS-610

7.20000	0.94832	LYS-610
7.40000	0.91756	LYS-610
7.60000	0.88452	LYS-610
7.80000	0.82801	LYS-610
8.00000	0.76137	LYS-610
8.20000	0.67446	LYS-610

8.40000	0.57623	LYS-610
8.60000	0.47718	LYS-610
8.80000	0.37852	LYS-610
9.00000	0.29665	LYS-610
9.20000	0.21859	LYS-610
9.40000	0.16028	LYS-610
9.60000	0.11647	LYS-610
9.80000	0.08610	LYS-610
10.00000	0.06070	LYS-610

Site HIS-615

0.00000	0.81286	HIS-615
0.20000	0.75609	HIS-615
0.40000	0.66436	HIS-615
0.60000	0.58845	HIS-615
0.80000	0.50491	HIS-615
1.00000	0.41508	HIS-615
1.20000	0.33591	HIS-615
1.40000	0.25648	HIS-615
1.60000	0.19474	HIS-615
1.80000	0.15636	HIS-615
2.00000	0.11428	HIS-615
2.20000	0.08188	HIS-615
2.40000	0.06262	HIS-615

Site LYS-619

10.20000	0.93119	LYS-619
10.40000	0.91195	LYS-619
10.60000	0.86489	LYS-619
10.80000	0.84088	LYS-619
11.00000	0.78404	LYS-619
11.20000	0.73728	LYS-619
11.40000	0.66548	LYS-619
11.60000	0.58519	LYS-619
11.80000	0.52282	LYS-619

Site ARG-622

11.40000	0.93335	ARG-622
11.60000	0.90511	ARG-622
11.80000	0.86100	ARG-622

Site ASP-626

0.00000	0.87466	ASP-626
0.20000	0.82982	ASP-626
0.40000	0.75327	ASP-626
0.60000	0.67601	ASP-626
0.80000	0.57612	ASP-626
1.00000	0.50264	ASP-626
1.20000	0.40124	ASP-626
1.40000	0.32482	ASP-626
1.60000	0.23200	ASP-626
1.80000	0.18690	ASP-626
2.00000	0.12522	ASP-626
2.20000	0.09225	ASP-626
2.40000	0.07238	ASP-626

Site ASP-629

2.40000	0.93130	ASP-629
2.60000	0.90346	ASP-629
2.80000	0.85882	ASP-629
3.00000	0.80678	ASP-629
3.20000	0.72573	ASP-629
3.40000	0.64966	ASP-629
3.60000	0.53311	ASP-629
3.80000	0.44171	ASP-629
4.00000	0.32762	ASP-629
4.20000	0.23600	ASP-629
4.40000	0.18197	ASP-629
4.60000	0.12157	ASP-629
4.80000	0.08364	ASP-629
5.00000	0.05930	ASP-629

Site LYS-630

9.60000	0.94384	LYS-630
9.80000	0.92103	LYS-630

10.00000	0.87838	LYS-630
10.20000	0.81975	LYS-630
10.40000	0.75832	LYS-630
10.60000	0.66389	LYS-630
10.80000	0.58082	LYS-630
11.00000	0.49055	LYS-630
11.20000	0.39949	LYS-630
11.40000	0.32419	LYS-630
11.60000	0.26218	LYS-630
11.80000	0.18836	LYS-630

Site GLU-637

2.40000	0.94027	GLU-637
2.60000	0.92191	GLU-637
2.80000	0.88266	GLU-637
3.00000	0.84894	GLU-637
3.20000	0.79295	GLU-637
3.40000	0.71543	GLU-637
3.60000	0.65774	GLU-637
3.80000	0.58119	GLU-637
4.00000	0.49000	GLU-637
4.20000	0.40071	GLU-637
4.40000	0.33181	GLU-637
4.60000	0.26372	GLU-637
4.80000	0.18960	GLU-637
5.00000	0.14253	GLU-637
5.20000	0.10344	GLU-637
5.40000	0.07417	GLU-637

Site LYS-639

11.00000	0.94164	LYS-639
11.20000	0.91468	LYS-639
11.40000	0.88077	LYS-639
11.60000	0.83912	LYS-639
11.80000	0.78438	LYS-639

Site ASP-645

0.00000	0.11255	ASP-645
0.20000	0.09590	ASP-645
0.40000	0.07242	ASP-645
0.60000	0.05889	ASP-645
0.80000	0.05348	ASP-645

Site GLU-648

0.00000	0.75860	GLU-648
0.20000	0.75211	GLU-648
0.40000	0.73512	GLU-648
0.60000	0.71647	GLU-648
0.80000	0.70274	GLU-648
1.00000	0.67404	GLU-648
1.20000	0.62623	GLU-648
1.40000	0.58093	GLU-648
1.60000	0.51327	GLU-648
1.80000	0.45509	GLU-648
2.00000	0.39000	GLU-648
2.20000	0.32462	GLU-648
2.40000	0.26868	GLU-648
2.60000	0.21798	GLU-648
2.80000	0.17865	GLU-648
3.00000	0.14121	GLU-648
3.20000	0.11116	GLU-648
3.40000	0.08412	GLU-648
3.60000	0.06868	GLU-648
3.80000	0.05122	GLU-648

Site ARG-652

11.60000	0.92964	ARG-652
11.80000	0.88882	ARG-652

Site HIS-654

4.60000	0.94611	HIS-654
4.80000	0.92038	HIS-654
5.00000	0.89473	HIS-654
5.20000	0.85448	HIS-654
5.40000	0.78921	HIS-654

5.60000	0.71429	HIS-654
5.80000	0.61750	HIS-654
6.00000	0.51475	HIS-654
6.20000	0.40752	HIS-654
6.40000	0.29924	HIS-654
6.60000	0.21050	HIS-654
6.80000	0.14898	HIS-654
7.00000	0.10039	HIS-654
7.20000	0.07069	HIS-654

Site LYS-656

9.40000	0.94154	LYS-656
9.60000	0.92124	LYS-656
9.80000	0.88216	LYS-656
10.00000	0.84222	LYS-656
10.20000	0.78059	LYS-656
10.40000	0.72091	LYS-656
10.60000	0.63727	LYS-656
10.80000	0.53627	LYS-656
11.00000	0.45133	LYS-656
11.20000	0.35465	LYS-656
11.40000	0.26185	LYS-656
11.60000	0.21187	LYS-656
11.80000	0.16261	LYS-656

Site TYR-659

Site GLU-660

1.40000	0.93660	GLU-660
1.60000	0.90803	GLU-660
1.80000	0.87288	GLU-660
2.00000	0.80850	GLU-660
2.20000	0.74074	GLU-660
2.40000	0.64646	GLU-660
2.60000	0.56246	GLU-660
2.80000	0.46581	GLU-660
3.00000	0.37172	GLU-660
3.20000	0.28536	GLU-660
3.40000	0.20606	GLU-660
3.60000	0.14731	GLU-660
3.80000	0.09841	GLU-660
4.00000	0.07088	GLU-660
4.20000	0.05413	GLU-660

Site LYS-661

8.80000	0.94458	LYS-661
9.00000	0.91457	LYS-661
9.20000	0.88390	LYS-661
9.40000	0.84082	LYS-661
9.60000	0.77825	LYS-661
9.80000	0.68328	LYS-661
10.00000	0.57810	LYS-661
10.20000	0.49782	LYS-661
10.40000	0.39399	LYS-661
10.60000	0.31381	LYS-661
10.80000	0.24089	LYS-661
11.00000	0.18162	LYS-661
11.20000	0.13508	LYS-661
11.40000	0.09722	LYS-661
11.60000	0.06508	LYS-661

Site TYR-662

Site TYR-667

Site LYS-675

9.60000	0.94569	LYS-675
9.80000	0.92722	LYS-675
10.00000	0.91009	LYS-675
10.20000	0.87141	LYS-675
10.40000	0.84370	LYS-675
10.60000	0.81074	LYS-675
10.80000	0.76655	LYS-675
11.00000	0.71807	LYS-675
11.20000	0.67593	LYS-675
11.40000	0.60823	LYS-675

11.60000	0.54837	LYS-675
11.80000	0.48535	LYS-675

Site LYS-676

9.00000	0.93784	LYS-676
9.20000	0.90380	LYS-676
9.40000	0.86609	LYS-676
9.60000	0.80629	LYS-676
9.80000	0.72874	LYS-676
10.00000	0.64079	LYS-676
10.20000	0.55310	LYS-676
10.40000	0.44681	LYS-676
10.60000	0.37106	LYS-676
10.80000	0.29057	LYS-676
11.00000	0.22571	LYS-676
11.20000	0.17562	LYS-676
11.40000	0.13007	LYS-676
11.60000	0.10220	LYS-676
11.80000	0.07171	LYS-676

Site GLU-684

1.80000	0.93630	GLU-684
2.00000	0.91722	GLU-684
2.20000	0.87846	GLU-684
2.40000	0.82638	GLU-684
2.60000	0.78527	GLU-684
2.80000	0.72100	GLU-684
3.00000	0.66255	GLU-684
3.20000	0.60300	GLU-684
3.40000	0.53527	GLU-684
3.60000	0.47064	GLU-684
3.80000	0.39797	GLU-684
4.00000	0.33936	GLU-684
4.20000	0.27543	GLU-684
4.40000	0.22138	GLU-684
4.60000	0.17192	GLU-684
4.80000	0.13163	GLU-684
5.00000	0.09499	GLU-684
5.20000	0.06132	GLU-684

Site GLU-687

2.00000	0.94345	GLU-687
2.20000	0.91837	GLU-687
2.40000	0.88211	GLU-687
2.60000	0.84910	GLU-687
2.80000	0.81717	GLU-687
3.00000	0.76793	GLU-687
3.20000	0.70055	GLU-687
3.40000	0.64153	GLU-687
3.60000	0.56455	GLU-687
3.80000	0.50155	GLU-687
4.00000	0.42509	GLU-687
4.20000	0.34615	GLU-687
4.40000	0.27428	GLU-687
4.60000	0.21255	GLU-687
4.80000	0.15147	GLU-687
5.00000	0.11234	GLU-687
5.20000	0.07577	GLU-687
5.40000	0.05333	GLU-687

Site ARG-690

11.80000	0.93571	ARG-690
----------	---------	---------

Site LYS-691

7.40000	0.93897	LYS-691
7.60000	0.91330	LYS-691
7.80000	0.87053	LYS-691
8.00000	0.80736	LYS-691
8.20000	0.74555	LYS-691
8.40000	0.64131	LYS-691
8.60000	0.53037	LYS-691
8.80000	0.42772	LYS-691
9.00000	0.33836	LYS-691
9.20000	0.23798	LYS-691

9.40000	0.17654	LYS-691
9.60000	0.13528	LYS-691
9.80000	0.09454	LYS-691
10.00000	0.06592	LYS-691
Site CTLYS-691		
0.00000	0.13551	CTLYS-691
0.20000	0.09737	CTLYS-691
0.40000	0.07355	CTLYS-691