

Target number	ASSAY ID	CLOZAPINE	HALOPERIDOL	OLANZAPINE	Protein Target	Class of molecular target
1	PDSP	5.9788	4.9201	4.6855	5-HT1A - SEROTONIN	GPCR-aminergic
2	PDSP	5.4001	5.7825	5.2933	5-HT1B - SEROTONIN	GPCR-aminergic
3	PDSP	4.6712	4.1188	4.8008	5-HT1D - SEROTONIN	GPCR-aminergic
4	PDSP	5.015	4	4.6183	5-HT1E - SEROTONIN	GPCR-aminergic
5	PDSP	6.8861	6.1367	7.5229	5-HT2A - SEROTONIN	GPCR-aminergic
6	PDSP	6.5376	4	6.6198	5-HT2C - SEROTONIN	GPCR-aminergic
7	PDSP	4.4138	4.6484	4.9165	5-HT5 - SEROTONIN	GPCR-aminergic
8	PDSP	6.7696	4.4358	7.2218	5-HT6 - SEROTONIN	GPCR-aminergic
9	PDSP	6.7447	5.4225	5.9788	5-HT7 - SEROTONIN	GPCR-aminergic
10	PDSP	5.7235	6.0809	6.2366	D1-DOPAMINE	GPCR-aminergic
11	PDSP	5.3655	7.699	6.1427	D2-DOPAMINE	GPCR-aminergic
12	PDSP	5.1898	6.9208	6.2007	D3-DOPAMINE	GPCR-aminergic
13	PDSP	6.4089	6.8239	6.7212	D4-DOPAMINE	GPCR-aminergic
14	PDSP	5.6289	5.8327	6.0458	D5-DOPAMINE	GPCR-aminergic
15	PDSP	7.699	4.5226	7.3098	H1-HISTAMINE	GPCR-aminergic
16	PDSP	5.8153	4.9987	6.3565	H2-HISTAMINE	GPCR-aminergic
17	PDSP	4.1967	4	4.4303	H3-HISTAMINE	GPCR-aminergic
18	PDSP	5.0862	4	4	H4-HISTAMINE	GPCR-aminergic
19	PDSP	7.7959	6.9208	5.9626	ALPHA1A-ADRENERGIC	GPCR-aminergic
20	PDSP	7.1549	7.0969	5.58	ALPHA1B-ADRENERGIC	GPCR-aminergic
21	PDSP	5.8477	4.9469	5.5031	ALPHA2A-ADRENERGIC	GPCR-aminergic
22	PDSP	6.5686	5.3188	6.0862	ALPHA2B-ADRENERGIC	GPCR-aminergic
23	PDSP	6.4685	5.2596	6.5376	ALPHA2C-ADRENERGIC	GPCR-aminergic
24	PDSP	4	4	4	beta1-ADRENERGIC	GPCR-aminergic
25	PDSP	4	4	4	beta2-ADRENERGIC	GPCR-aminergic
26	PDSP	6.8539	4	6.6198	M1-MUSCARINIC	GPCR-aminergic
27	PDSP	6.8539	4	6.1024	M2-MUSCARINIC	GPCR-aminergic
28	PDSP	6.6021	4	6.2924	M3-MUSCARINIC	GPCR-aminergic
29	PDSP	6.5376	4	5.0009	M4-MUSCARINIC	GPCR-aminergic
30	PDSP	6.0269	5.1824	7.0458	M5-MUSCARINIC	GPCR-aminergic

31	440	4	4	4	<a href="#">formyl peptide receptor 1 [Homo sapiens][gi:4503779]</a>	GPCR-peptide
32	441	4	4	4	<a href="#">formyl peptide receptor-like 1 [Homo sapiens][gi:54112388]</a>	GPCR-peptide
33	1461	4	4	4	<a href="#">G protein-coupled receptor for asthma susceptibility isoform A [Homo sapiens][gi:46395496]</a>	GPCR-peptide
34	803	4	4	4	<a href="#">Galanin receptor type 2 (GAL2-R) (GALR2)[gi:6016094]</a>	GPCR-peptide
35	1040	4	4	4	<a href="#">neuropeptide Y receptor Y1 [Homo sapiens][gi:4505445]</a>	GPCR-peptide
36	1359	4	4	4	<a href="#">neuropeptide Y receptor Y2 [Homo sapiens][gi:4505447]</a>	GPCR-peptide
37	1861	4	4	4	<a href="#">neuropeptides B/W receptor 1 [Homo sapiens][gi:119607128]</a>	GPCR-peptide
38	1778	4	4	4	<a href="#">opioid receptor, kappa 1 [Homo sapiens][gi:39725940]</a>	GPCR-peptide
39	938	4	4	4	<a href="#">thyroid stimulating hormone receptor [Homo sapiens][gi:38016895]</a>	GPCR-peptide
40	PDSP	4	4	4	ADCYAP1R1	GPCR-peptide
41	PDSP	4	4	4	V1A	GPCR-peptide
42	PDSP	4	4	4	V1B	GPCR-peptide
43	PDSP	4	4	4	V2	GPCR-peptide
44	PDSP	4	4	4	oxytocin	GPCR-peptide
45	PDSP	4	4	4	CB-1 CANNABINOID	GPCR-other
46	2058	4	4	4	<a href="#">G protein-coupled receptor 35 [Homo sapiens][gi:33695097]</a>	GPCR-other
47	449	4	4	4	<a href="#">endothelial differentiation, sphingolipid G-protein-coupled receptor, 1 [Homo sapiens][gi:13027636]</a>	GPCR-other
48	373	4	4	4	<a href="#">endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 [Homo sapiens][gi:38788193]</a>	GPCR-other
49	PDSP	4	4	4	EP-3	GPCR-other
50	PDSP	4	4	4	EP-4	GPCR-other
51	PDSP	4	4	4	GABA-B	GPCR-other
52	940	4	4	4	<a href="#">prostaglandin E receptor 2 (subtype EP2), 53kDa [Homo sapiens][gi:31881630]</a>	GPCR-other
53	1422	4	4	4	<a href="#">prostaglandin E receptor 2 (subtype EP2), 53kDa [Homo sapiens][gi:31881630]</a>	GPCR-other
54	485	4	4	4	<a href="#">sphingosine-1-phosphate receptor 3 [Homo sapiens][gi:38788193]</a>	GPCR-other

55	1510	4	4	4	<a href="#">Sphingosine-1-phosphate receptor 4 [Homo sapiens][gi:15929025]</a>	GPCR-other
56	PDSP	4	4	4	GPR1	GPCR-other
57	PDSP	4	4	4	GPR4	GPCR-other
58	PDSP	4	4	4	GPR15	GPCR-other
59	PDSP	4	4	4	GPR31	GPCR-other
60	PDSP	4	4	4	GPR39	GPCR-other
61	PDSP	4	4	4	GPR45	GPCR-other
62	PDSP	4	4	4	GPR55	GPCR-other
63	PDSP	4	4	4	GPR57	GPCR-other
64	PDSP	4	4	4	GPR58	GPCR-other
65	PDSP	4	4	4	GPR62	GPCR-other
66	PDSP	4	4	4	GPR65	GPCR-other
67	PDSP	4	4	4	GPR68	GPCR-other
68	PDSP	4	4	4	GPR83	GPCR-other
69	PDSP	4	4	4	GPR84	GPCR-other
70	PDSP	4	4	4	GPR87	GPCR-other
71	PDSP	4	4	4	GPR88	GPCR-other
72	PDSP	4	4	4	GPR123	GPCR-other
73	PDSP	4	4	4	GPR132	GPCR-other
74	PDSP	4	4	4	GPR133	GPCR-other
75	PDSP	4	4	4	GPR157	GPCR-other
76	PDSP	4	4	4	GPR161	GPCR-other
77	PDSP	4	4	4	GPR41	GPCR-other
78	PDSP	4	4	4	GPR43	GPCR-other
79	PDSP	4	4	4	P2Y1	GPCR-other
80	PDSP	4	4	4	P2Y2	GPCR-other
81	PDSP	4	4	4	P2Y4	GPCR-other
82	PDSP	4	4	4	P2Y6	GPCR-other
83	PDSP	4	4	4	P2Y11	GPCR-other
84	PDSP	4	4	4	mGluR1	GPCR-metabotropic glutamate

85	PDSP	4	4	4	mGluR2	GPCR-metabotropic glutamate
86	PDSP	4	4	4	mGluR4	GPCR-metabotropic glutamate
87	PDSP	4	4	4	mGluR5	GPCR-metabotropic glutamate
88	PDSP	4	4	4	mGluR8	GPCR-metabotropic glutamate
89	PDSP	4	4	4	I1-IMIDAZOLINE	other receptor
90	861	4	4	4	<a href="#">toll-like receptor 4 [Homo sapiens][gi:55662034]</a>	other receptor
91	377	4	4	4	<a href="#">ATP-binding cassette sub-family B member 1 [Homo sapiens][gi:42741659]</a>	transporter
92	799	4	4	4	<a href="#">ATP-binding cassette, sub-family C, member 1 isoform 1 [Homo sapiens][gi:134142337]</a>	transporter
93	1325	4	4	4	<a href="#">ATP-binding cassette, sub-family G, member 2 [Homo sapiens][gi:62526033]</a>	transporter
94	PDSP	4	4	4	DAT	transporter
95	602	4	4	4	multidrug resistance protein-1	transporter
96	PDSP	4.4992	4.6753	4	NET	transporter
97	PDSP	4.7894	4.4873	4.4346	SERT	transporter
98	PDSP	5.618	4	5.6946	5-HT3 SEROTONIN	ion channel
99	2227	4	4	4	<a href="#">alternatively spliced Trp4 [Mus musculus][gi:2935630]</a>	ion channel
100	PDSP	4	4	4	BZP BENZODIAZEPINE	ion channel
101	PDSP	4	4	4	CA++ CHANNEL	ion channel
102	1456	4	4	4	<a href="#">electroneutral potassium-chloride cotransporter KCC2 [Homo sapiens][gi:12003227]</a>	ion channel
103	PDSP	4	4	4	GABA-A	ion channel
104	624	4	4	4	GIRK	ion channel
105	1448	4	4	4	<a href="#">MCOLN3 protein [Homo sapiens][gi:38174238]</a>	ion channel
106	2073	4	4	4	<a href="#">Mint1 [Rattus norvegicus][gi:2625023]; calcium channel, voltage-dependent, N type, alpha 1B subunit [Homo sapiens][gi:4502523]</a>	ion channel

107	PDSP	4	4	4	NAR a/b2 NICOTINIC	ion channel
108	PDSP	4	4	4	NAR a2/b2 NICOTINIC	ion channel
109	PDSP	4	4	4	NAR a2/b4 NICOTINIC	ion channel
110	PDSP	4	4	4	NAR a3/b2 NICOTINIC	ion channel
111	PDSP	4	4	4	NAR a3/b4 NICOTINIC	ion channel
112	PDSP	4	4	4	NAR a7 NICOTINIC	ion channel
113	PDSP	4	4	4	NMDA	ion channel
114	PDSP	4	4	4	PCP	ion channel
115	1672	4	5	4	<a href="#">potassium inwardly-rectifying channel J2 [Mus musculus][gi:6680530]</a>	ion channel
116	2156	4	4	4	<a href="#">potassium voltage-gated channel KQT-like protein 2 [Rattus norvegicus][gi:18959272]</a>	ion channel
117	1511	4	4	4	<a href="#">putative potassium channel subunit[gi:487738]</a>	ion channel
118	1424	4	4	4	<a href="#">transient receptor potential cation channel, subfamily N, member 1 [Danio rerio][gi:34330186]</a>	ion channel
119	1984	4	4	4	<a href="#">nuclear receptor coactivator 3 [Mus musculus][gi:118026946]</a>	nuclear receptor/transcription factor
120	560	4	4	4	<a href="#">Nuclear receptor ROR-alpha (Retinoid-related orphan receptor-alpha) (Nuclear receptor RZR-alpha)[gi:548814]</a>	nuclear receptor/transcription factor
121	450	4	4	4	<a href="#">nuclear receptor subfamily 3, group C, member 1 isoform gamma [Homo sapiens][gi:66528677]</a>	nuclear receptor/transcription factor
122	525	4	4	4	<a href="#">nuclear receptor subfamily 5, group A, member 1 [Homo sapiens][gi:20070193]</a>	nuclear receptor/transcription factor
123	1032	4	4	4	<a href="#">peroxisome proliferative activated receptor gamma isoform 2 [Homo sapiens][gi:20336229]; NCOA2 protein [Homo sapiens][gi:62201602]</a>	nuclear receptor/transcription factor
124	PDSP	4	4	4	ERa – estrogen receptor “a”	nuclear receptor/transcription factor
125	PDSP	4	4	4	ERb – estrogen receptor “b”	nuclear receptor/transcription factor
126	PDSP	4	4	4	ERR1 – estrogen receptor-related 1	nuclear receptor/transcription factor

127	PDSP	4	4	4	ERR2 – estrogen receptor-related 2	nuclear receptor/transcription factor
128	PDSP	4	4	4	PR – progesterone receptor	nuclear receptor/transcription factor
129	PDSP	4	4	4	RAR – retinoic acid receptor	nuclear receptor/transcription factor
130	PDSP	4	4	4	RXR – retinoid X receptor	nuclear receptor/transcription factor
131	PDSP	4	4	4	LXRa – liver X receptor “a”	nuclear receptor/transcription factor
132	PDSP	4	4	4	LXRb – liver X receptor “b”	nuclear receptor/transcription factor
133	PDSP	4	4	4	PPARa – peroxisome proliferator-activated receptor “alpha”	nuclear receptor/transcription factor
134	PDSP	4	4	4	PPARb – peroxisome proliferator-activated receptor “beta”	nuclear receptor/transcription factor
135	PDSP	4	4	4	FXR – farnesoid X receptor	nuclear receptor/transcription factor
136	PDSP	4	4	4	SXR – steroid X receptor	nuclear receptor/transcription factor
137	1479	4	4	4	<a href="#">thyroid hormone receptor, beta [Homo sapiens][gi:189491771]</a>	nuclear receptor/transcription factor
138	357	4	4	4	AP-1 transcription factor	transcription factor
139	1477	4	4	4	CBF (core binding factor)	transcription factor
140	1496	4	4	4	<a href="#">core-binding factor, beta subunit isoform 1 [Homo sapiens][gi:13124881]</a> ; <a href="#">runt-related transcription factor 1 isoform AML1c [Homo sapiens][gi:19923198]</a>	transcription factor
141	662	4	4	4	CREB	transcription factor
142	629	4	4	4	<a href="#">Estrogen receptor 1 co-activator</a>	transcription factor
143	633	4	4	4	<a href="#">estrogen receptor beta isoform 1 co-activator</a>	transcription factor
144	2098	4	4	4	<a href="#">Hsf1 protein [Mus musculus][gi:62740231]</a>	transcription factor
145	1910	4	4	4	hypoxia-inducible factor 1	transcription factor

146	1628	4	4	4	insulin promoter	transcription factor
147	1700	4	4	4	<a href="#">Kruppel-like factor 5 [Homo sapiens][gi:124263658]</a>	transcription factor
148	630	4	4	4	<a href="#">mothers against decapentaplegic homolog 3 [Homo sapiens][gi:5174513]</a>	transcription factor
149	1239	4	4	4	<a href="#">nuclear factor kappa-B, subunit 1 [Homo sapiens][gi:34577122]; v-rel reticuloendotheliosis viral oncogene homolog A isoform 1 [Homo sapiens][gi:223468676]</a>	transcription factor
150	445	4	4	4	<a href="#">nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha [Homo sapiens][gi:10092619]</a>	transcription factor
151	1273	4	4	4	<a href="#">proinsulin [Homo sapiens][gi:59036749]</a>	transcription factor
152	932	4	4	4	<a href="#">signal transducer and activator of transcription 1 isoform alpha [Homo sapiens][gi:6274552]</a>	transcription factor
153	446	4	4	4	STAT inducible element	transcription factor
154	871	4	4	4	<a href="#">STAT3 [Homo sapiens][gi:13272532]</a>	transcription factor
155	487	4	4	4	TNFalpha Induced E-Selectin Expression	transcription factor
156	924	4	4	4	<a href="#">tumor protein p53 [Homo sapiens][gi:120407068]</a>	transcription factor
157	438	4	4	4	<a href="#">v-rel reticuloendotheliosis viral oncogene homolog A isoform 1 [Homo sapiens][gi:223468676]</a>	transcription factor
158	1415	4	4	4	<a href="#">guanine nucleotide binding protein, alpha activating polypeptide O isoform a [Homo sapiens][gi:10567816]; regulator of G-protein signaling 4 [Homo sapiens][gi:86301151]</a>	GTPase activator and transcription factor
159	1441	4	4	4	<a href="#">guanine nucleotide binding protein, alpha activating polypeptide O isoform a [Homo sapiens][gi:10567816]; regulator of G-protein signalling 16 [Homo sapiens][gi:156416009]</a>	GTPase activator and transcription factor
160	1814	4	4	4	alpha-synuclein 5'-UTR	translation factor
161	1416	4	4	4	<a href="#">eukaryotic translation initiation factor 2-alpha kinase 3 [Homo sapiens][gi:134304838]</a>	translation factor
162	782	4	4	4	<a href="#">eukaryotic translation initiation factor 4 gamma, 1 isoform 4 [Homo sapiens][gi:38201619]; eukaryotic translation initiation factor 4E [Mus musculus][gi:83627717]</a>	translation factor

163	2012	4	4	4	<a href="#">Eukaryotic translation initiation factor 4H [Homo sapiens][gi:45219878]</a>	translation factor
164	2014	4	4	4	<a href="#">poly(A) binding protein, cytoplasmic 1 [Homo sapiens][gi:46367787]</a>	translation factor
165	761	4	4	4	<a href="#">cell division cycle 42 (GTP binding protein, 25kDa) [Homo sapiens][gi:56202836]</a>	GTPase
166	758	4	4	4	<a href="#">GTP-binding protein (rab7)[gi:164058]</a>	GTPase
167	764	4	4	4	<a href="#">Rac1 protein [Homo sapiens][gi:8574038]</a>	GTPase
168	2216	4	4	4	Ran GTPase	GTPase
169	759	4	4	4	<a href="#">ras protein[gi:190938]</a>	GTPase
170	760	4	4	4	<a href="#">RecName: Full=Ras-related protein Rab-2A[gi:46577642]</a>	GTPase
171	880	4	4	4	<a href="#">RGS12; regulator of G-protein signalling 12 [Homo sapiens][gi:3290016]; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1 [Homo sapiens][gi:33946324]</a>	GTPase
172	1439	4	4	4	<a href="#">RGS7[gi:1166512]; guanine nucleotide binding protein, alpha activating polypeptide O isoform a [Homo sapiens][gi:10567816]</a>	GTPase
173	1789	4	4	4	<a href="#">HSP90AA1 protein [Homo sapiens][gi:83318444]</a>	ATPase
174	1481	4	4	4	<a href="#">Valosin-containing protein [Homo sapiens][gi:111305821]</a>	ATPase
175	524	4	4	4	<a href="#">cAMP-dependent protein kinase catalytic subunit alpha isoform 1 [Homo sapiens][gi:4506055]</a>	kinase
176	609	4	4	4	MAP kinase	kinase
177	995	4	4	4	<a href="#">mitogen-activated protein kinase 1 [Homo sapiens][gi:66932916]</a>	kinase
178	530	4	4	4	<a href="#">Mitogen-activated protein kinase 10 (Stress-activated protein kinase JNK3) (c-Jun N-terminal kinase 3) (MAP kinase p49 3F12)[gi:2499604]</a>	kinase
179	1529	4	4	4	<a href="#">mitogen-activated protein kinase kinase kinase 3 isoform 1 [Homo sapiens][gi:42794767]</a>	kinase
180	1530	4	4	4	<a href="#">mitogen-activated protein kinase kinase kinase kinase 2 [Homo sapiens][gi:22035600]</a>	kinase



181	797	4	4	4	<a href="#">protein kinase D1 [Homo sapiens][gi:115529463]</a>	kinase
182	954	4	4	4	<a href="#">pyruvate kinase 3 isoform 2 [Homo sapiens][gi:33286420]</a>	kinase
183	1631	4	4	4	<a href="#">pyruvate kinase, muscle isoform M2 [Homo sapiens][gi:33286418]</a>	kinase
184	604	4	4	4	<a href="#">Rho-associated, coiled-coil containing protein kinase 2 [Homo sapiens][gi:41872583]</a>	kinase
185	2097	4	4	4	<a href="#">glycogen synthase kinase 3 beta isoform 1 [Homo sapiens][gi:21361340]</a>	kinase
186	645	4	4	4	Her2	kinase
187	1486	4	4	4	Janus kinase 2	kinase
188	1321	4	4	4	<a href="#">WEE1 homolog (S. pombe) [Homo sapiens][gi:47123300]</a>	kinase
189	PDSP	4	4	4	<a href="#">MAPKAPK2</a>	kinase
190	PDSP	4	4	4	<a href="#">AurA</a>	kinase
191	PDSP	4	4	4	<a href="#">PKCz</a>	kinase
192	PDSP	4	4	4	<a href="#">RSK1</a>	kinase
193	PDSP	4	4	4	<a href="#">PRAK</a>	kinase
194	PDSP	4	4	4	<a href="#">Erk1</a>	kinase
195	PDSP	4	4	4	<a href="#">PKD2</a>	kinase
196	PDSP	4	4	4	<a href="#">CK1d</a>	kinase
197	PDSP	4	4	4	<a href="#">CHK1</a>	kinase
198	PDSP	4	4	4	<a href="#">ABL</a>	kinase
199	PDSP	4	4	4	<a href="#">FYN</a>	kinase
200	PDSP	4	4	4	<a href="#">LYN</a>	kinase
201	PDSP	5.702	4	4	<a href="#">CHK2</a>	kinase
202	PDSP	4	4	4	<a href="#">MET</a>	kinase
203	PDSP	4	4	4	<a href="#">LCK</a>	kinase
204	PDSP	4	4	4	<a href="#">SRC</a>	kinase
205	PDSP	4	4	4	<a href="#">Erk2</a>	kinase
206	PDSP	4	4	4	<a href="#">PKA</a>	kinase
207	PDSP	4	4	4	<a href="#">AKT2</a>	kinase
208	PDSP	4	4	4	<a href="#">INST</a>	kinase
209	PDSP	4	4	4	<a href="#">p38a</a>	kinase

210	PDSP	4	4	4	<a href="#">AKT1</a>	kinase
211	PDSP	4	4	4	<a href="#">MSK1</a>	kinase
212	368	4	4	4	<a href="#">cell division cycle 25B isoform 2 [Homo sapiens][gi:4757950]</a>	phosphatase
213	374	4	4	4	<a href="#">dual specificity phosphatase 1 [Homo sapiens][gi:4758204]</a>	phosphatase
214	1654	4	4	4	<a href="#">dual specificity phosphatase 3 [Homo sapiens][gi:4758208]</a>	phosphatase
215	425	4	4	4	<a href="#">dual specificity phosphatase 6 [Rattus norvegicus][gi:16758752]</a>	phosphatase
216	1019	4	4	4	<a href="#">intestinal alkaline phosphatase [Bos taurus][gi:68299797]</a>	phosphatase
217	1565	4	4	4	<a href="#">phosphatase, orphan 1 isoform 1 [Homo sapiens][gi:219689097]</a>	phosphatase
218	1987	4	4	4	<a href="#">PPP5C protein [Homo sapiens][gi:37589898]</a>	phosphatase
219	2235	4	4	4	<a href="#">protein phosphatase 1, catalytic subunit, alpha isoform 3 [Homo sapiens][gi:56790945]</a>	phosphatase
220	1779	4	4	4	<a href="#">protein tyrosine phosphatase, non-receptor type 22 (lymphoid) isoform 1 [Homo sapiens][gi:224586929]</a>	phosphatase
221	606	4	4	4	<a href="#">protein tyrosine phosphatase, non-receptor type 22 (lymphoid) isoform 1 [Homo sapiens][gi:224586929]</a> ; <a href="#">protein tyrosine phosphatase, non-receptor type 22 (lymphoid) isoform 2 [Homo sapiens][gi:224586931]</a>	phosphatase
222	521	4	4	4	<a href="#">protein tyrosine phosphatase, non-receptor type 7 isoform 2 [Homo sapiens][gi:18375660]</a>	phosphatase
223	1001	4	4	4	<a href="#">tissue-nonspecific alkaline phosphatase precursor [Homo sapiens][gi:116734717]</a>	phosphatase
224	581	4	4	4	<a href="#">Cathepsin G [Homo sapiens][gi:15680217]</a>	protease
225	798	4	4	4	<a href="#">coagulation factor XI[gi:180352]</a>	protease
226	538	4	4	4	<a href="#">complement component 1, s subcomponent [Homo sapiens][gi:4502495]</a>	protease
227	873	4	4	4	<a href="#">kallikrein-related peptidase 5 preproprotein [Homo sapiens][gi:6912644]</a>	protease
228	751	4	4	4	26S proteasome	protease
229	923	4	4	4	caspase-1	protease

230	889	4	4	4	<a href="#">Caspase-7 precursor (CASP-7) (ICE-like apoptotic protease 3) (ICE-LAP3) (Apoptotic protease Mch-3) (CMH-1) [Contains: Caspase-7 subunit p20; Caspase-7 subunit p11][gi:1730092]</a>	protease
231	800	4	4	4	<a href="#">Coagulation factor XII precursor (Hageman factor) (HAF) [Contains: Coagulation factor XIIa heavy chain; Beta-factor XIIa part 1; Beta-factor XIIa part 2; Coagulation factor XIIa light chain][gi:119763]</a>	protease
232	1046	4	4	4	<a href="#">prothrombin [Homo sapiens][gi:339641]</a>	protease
233	927	4	4	4	<a href="#">ubiquitin specific peptidase 2 isoform a [Homo sapiens][gi:188528692]</a>	protease
234	526	4	4	4	ubiquitin-proteasome	protease
235	1236	4	4	4	<a href="#">calpain II [Sus scrofa][gi:1628587]</a>	protease
236	453	4	4	4	<a href="#">Cathepsin B [Homo sapiens][gi:63102437]</a>	protease
237	1906	4	4	4	<a href="#">cathepsin L1 [Homo sapiens][gi:55958172]</a>	protease
238	501	4	4	4	<a href="#">cathepsin S preproprotein [Homo sapiens][gi:23110962]</a>	protease
239	436	4	4	4	<a href="#">Ubiquitin carboxyl-terminal hydrolase BAP1 (BRCA1-associated protein 1) (Cerebral protein 6)[gi:68565074]</a>	protease
240	618	4	4	4	<a href="#">matrix metalloproteinase 1 [Homo sapiens][gi:6690534]</a>	protease
241	570	4	4	4	<a href="#">matrix metalloproteinase 13 preproprotein [Homo sapiens][gi:4505209]</a>	protease
242	750	4	4	4	MT1	protease
243	900	4	4	4	<a href="#">Caspase-1 precursor (CASP-1) (Interleukin-1 beta convertase) (IL-1BC) (IL-1 beta-converting enzyme) (ICE) (Interleukin-1 beta-converting enzyme) (p45) [Contains: Caspase-1 subunit p20; Caspase-1 subunit p10][gi:266321]</a>	protease
244	950	4	4	4	<a href="#">Apoptosis regulator Bcl-2[gi:231632]</a>	apoptosis regulator
245	951	4	4	4	<a href="#">Apoptosis regulator Bcl-B (Bcl-2-like 10 protein) (Bcl2-L-10) (Anti-apoptotic protein NrH)[gi:23396469]</a>	apoptosis regulator
246	432	4	4	4	<a href="#">B-cell leukemia/lymphoma 2 related protein A1a [Mus musculus][gi:11024684]</a>	apoptosis regulator
247	1008	4	4	4	<a href="#">BCL2-related protein A1 isoform 1 [Homo sapiens][gi:4757840]</a>	apoptosis regulator
248	952	4	4	4	<a href="#">Bcl-w [Homo sapiens][gi:1572493]</a>	apoptosis regulator

249	1007	4	4	4	<a href="#">bcl-xL [Homo sapiens][gi:510901]</a>	apoptosis regulator
250	1377	4	4	4	caspase-8	apoptosis regulator
251	1009	4	4	4	<a href="#">Mcl-1 [Homo sapiens][gi:7582271]</a>	apoptosis regulator
252	2057	4	4	4	<a href="#">Myeloid cell leukemia sequence 1 (BCL2-related) [Homo sapiens][gi:78070770]</a>	apoptosis regulator
253	2071	4	4	4	<a href="#">NLR family, pyrin domain containing 1 isoform 1 [Homo sapiens][gi:14719829]</a>	apoptosis regulator
254	1578	4	4	4	<a href="#">nucleotide-binding oligomerization domain containing 1 [Homo sapiens][gi:5174617]</a>	apoptosis regulator
255	1566	4	4	4	<a href="#">nucleotide-binding oligomerization domain containing 2 [Homo sapiens][gi:11545912]</a>	apoptosis regulator
256	1443	4	4	4	<a href="#">tumor necrosis factor (ligand) superfamily, member 10 [Homo sapiens][gi:4507593]</a>	apoptosis regulator
257	1018	4	4	4	<a href="#">X-linked inhibitor of apoptosis [Homo sapiens][gi:8744934]</a>	apoptosis regulator
258	422	4	4	4	<a href="#">tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Homo sapiens][gi:21464101]</a>	cell signalling
259	781	4	4	4	<a href="#">tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide [Bos taurus][gi:27807367]</a>	cell signalling
260	917	4	4	4	<a href="#">Thrombopoietin (myeloproliferative leukemia virus oncogene ligand, megakaryocyte growth and development factor) [Homo sapiens][gi:120660324]</a>	cell signalling
261	457	4	4	4	VCAM-1	cell adhesion
262	454	4	4	4	VCAM-1	cell adhesion
263	875	4	4	4	<a href="#">Chain A, Solution Structure Of The Brct-C Domain From Human Brca1[gi:159162802]</a>	cell cycle regulation
264	429	4	4	4	<a href="#">90-kda heat shock protein beta HSP90 beta [Homo sapiens][gi:4261762]; heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 2 [Homo sapiens][gi:154146191]</a>	chaperone
265	1203	4	4	4	<a href="#">Heat shock 70kDa protein 1A [Homo sapiens][gi:12803275]</a>	chaperone

266	568	4	4	4	<a href="#">heat shock 70kDa protein 8 isoform 1 [Homo sapiens][gi:5729877]; heat shock 70kDa protein 8 isoform 2 [Homo sapiens][gi:24234686]</a>	chaperone
267	410	5	4	4	<a href="#">cytochrome P450, family 1, subfamily A, polypeptide 2 [Homo sapiens][gi:73915100]</a>	cytochrome P450
268	1851_1	4	4	4	<a href="#">cytochrome P450, family 2, subfamily C, polypeptide 19 [Homo sapiens][gi:4503219]</a>	cytochrome P450
269	1851_5	4	4	4	<a href="#">cytochrome P450, family 2, subfamily C, polypeptide 9 [Homo sapiens][gi:13699818]</a>	cytochrome P450
270	891	4	5.3	4	<a href="#">cytochrome P450, family 2, subfamily D, polypeptide 6 isoform 1 [Homo sapiens][gi:40805836]</a>	cytochrome P450
271	1851_2	4	5	4	<a href="#">cytochrome P450, family 2, subfamily D, polypeptide 6 isoform 2 [Homo sapiens][gi:68509921]</a>	cytochrome P450
272	885	4	5	4	<a href="#">cytochrome P450, subfamily IIIA, polypeptide 4 [Homo sapiens][gi:13435386]</a>	cytochrome P450
273	1665	4	4	4	<a href="#">beta-catenin [Homo sapiens][gi:4503131]</a>	cytoskeleton
274	1381	4	4	4	dynein	cytoskeleton
275	483	4	4	4	<a href="#">Huntingtin (Huntington disease protein) (HD protein)[gi:1170192]</a>	cytoskeleton
276	1688	4	4	4	<a href="#">huntingtin [Homo sapiens][gi:90903231]</a>	cytoskeleton
277	528	4	4	4	<a href="#">integrin alpha 4 precursor [Homo sapiens][gi:67191027]</a>	cytoskeleton
278	1468	4	4	4	<a href="#">Microtubule-associated protein tau [Homo sapiens][gi:92096784]</a>	cytoskeleton
279	1817	4	4	4	<a href="#">plectin 1 [Homo sapiens][gi:40849930]</a>	cytoskeleton
280	1463	4	4	4	tau	cytoskeleton
281	2205	4	4	4	<a href="#">tubulin, beta [Homo sapiens][gi:29788785]</a>	cytoskeleton
282	1707	4	4	4	DNA	DNA
283	1285	4	4	4	<a href="#">amyloid precursor protein; APP [Homo sapiens][gi:257380]</a>	DNA
284	910	4	4	4	<a href="#">beta globin [Homo sapiens][gi:4504349]</a>	RNA splicing component
285	1459	4	4	4	<a href="#">lamin A/C isoform 3 [Homo sapiens][gi:27436948]</a>	RNA splicing component
286	1458	4	4	4	<a href="#">survival of motor neuron 2, centromeric isoform d [Homo sapiens][gi:10937869]</a>	RNA splicing component

287	1235	4	4	4	C3 complement component	C3 complement inhibitor
288	887	4	4	4	<a href="#">15-lipoxygenase [Homo sapiens][gi:1832253]</a>	other enzyme
289	2100	4	4	5.25	<a href="#">acid alpha-glucosidase preproprotein [Homo sapiens][gi:119393891]</a>	other enzyme
290	1030	4	4	4	<a href="#">aldehyde dehydrogenase 1 family, member A1 [Homo sapiens][gi:30582681]</a>	other enzyme
291	2107	4	4	4	<a href="#">alpha-galactosidase [Homo sapiens][gi:757912]</a>	other enzyme
292	1452	4	4	4	<a href="#">arachidonate 12-lipoxygenase [Homo sapiens][gi:154426292]</a>	other enzyme
293	881	4	4	4	<a href="#">Arachidonate 15-lipoxygenase type II (15-LOX-2) (15-lipoxygenase 2)[gi:158515318]</a>	other enzyme
294	2147	4	4	4	<a href="#">Chain A, Crystal Structure Of The Human 2-Oxoglutarate Oxygenase Loc390245[gi:221046486]</a>	other enzyme
295	1705	4	4	4	<a href="#">Chain A, Human Ape1 Endonuclease With Bound Abasic Dna And Mn2+ Ion[gi:6980812]</a>	other enzyme
296	893	4	4	4	<a href="#">Chain A, The Structure Of Wild-Type Human Hadh2 (17beta- Hydroxysteroid Dehydrogenase Type 10) Bound To Nad+ At 1.2 A[gi:122921310]; Chain B, The Structure Of Wild-Type Human Hadh2 (17beta- Hydroxysteroid Dehydrogenase Type 10) Bound To Nad+ At 1.2 A[gi:122921311]</a>	other enzyme
297	1229	4	4	4	<a href="#">Dihyrolipoamide dehydrogenase [Homo sapiens][gi:17391426]</a>	other enzyme
298	1947	4	4	4	<a href="#">Fam108b protein [Mus musculus][gi:21595511]</a>	other enzyme
299	1868	4	4	4	<a href="#">galactokinase 1 [Homo sapiens][gi:4503895]</a>	other enzyme
300	2101	4	4	4	<a href="#">glucocerebrosidase [Homo sapiens][gi:496369]</a>	other enzyme
301	1020	4	4	4	<a href="#">glucose-6-phosphate dehydrogenase isoform a [Homo sapiens][gi:109389365]</a>	other enzyme
302	1974	4	4	4	<a href="#">glutathione-S-transferase omega 1 [Homo sapiens][gi:4758484]</a>	other enzyme
303	894	4	4	4	<a href="#">hydroxyprostaglandin dehydrogenase 15-(NAD) [Homo sapiens][gi:31542939]; Chain A, Crystal Structure Of 15-Hydroxyprostaglandin Dehydrogenase Type1, Complexed With Nad+[gi:93279980]</a>	other enzyme

304	901	4	4	4	<a href="#">Inositol monophosphatase (IMPase) (IMP) (Inositol-1(or 4)-monophosphatase) (Lithium-sensitive myo-inositol monophosphatase A1)[gi:44888968]</a>	other enzyme
305	2174	4	4	4	<a href="#">lysophospholipase 1 [Homo sapiens][gi:5453722]</a>	other enzyme
306	2177	4	4	4	<a href="#">lysophospholipase II [Homo sapiens][gi:4581413]</a>	other enzyme
307	1766	4	4	4	<a href="#">menin isoform 1 [Homo sapiens][gi:18860839]; myeloid/lymphoid or mixed-lineage leukemia protein [Homo sapiens][gi:56550039]</a>	other enzyme
308	1220	4	4	4	<a href="#">MPI protein [Homo sapiens][gi:16878311]</a>	other enzyme
309	1274	4	4	4	<a href="#">neutrophil cytosolic factor 1 [Homo sapiens][gi:115298672]</a>	other enzyme
310	607	4	4	4	<a href="#">phosphodiesterase 4B, cAMP-specific isoform 1 [Homo sapiens][gi:82799486]</a>	other enzyme
311	2130	4	4	4	<a href="#">protein phosphatase methylesterase 1 [Homo sapiens][gi:7706645]</a>	other enzyme
312	623	4	4	4	<a href="#">RCKbeta2 [Rattus norvegicus][gi:499328]</a>	other enzyme
313	784	4	4	4	<a href="#">RecName: Full=Glucosylceramidase; AltName: Full=Beta-glucocerebrosidase; AltName: Full=Acid beta-glucosidase; AltName: Full=D-glucosyl-N-acylsphingosine glucohydrolase; AltName: Full=Alglucerase; AltName: Full=Imiglucerase; Flags: Precursor[gi:55584151]</a>	other enzyme
314	1457	4	4	4	<a href="#">RecName: Full=Inositol monophosphatase; AltName: Full=Inositol-1(or 4)-monophosphatase; Short=IMPase; Short=IMP; AltName: Full=Lithium-sensitive myo-inositol monophosphatase A1[gi:44888968]</a>	other enzyme
315	1515	4	4	4	<a href="#">retinoblastoma binding protein 9 [Homo sapiens][gi:24119166]</a>	other enzyme
316	2006	4	4	4	<a href="#">ubiquitin-conjugating enzyme E2i [Homo sapiens][gi:4507785]; Ubiquitin-like modifier activating enzyme 2 [Homo sapiens][gi:13111961]; SUMO1 activating enzyme subunit 1 [Homo sapiens][gi:17390638]</a>	other enzyme
317	1385	4	4	4	<a href="#">RAD51 [Homo sapiens][gi:49168602]</a>	other enzyme
318	2099	4	4	4	GASC-1	other enzyme
319	1656	4	4	4	unknown target	unknown target

320	1222	4	4	4	unknown target	unknown target
321	1948	4	4	4	unknown target	unknown target
322	597	4	4	4	unknown target	unknown target
323	1865	4	4	4	unknown target	unknown target
324						