

Supplemental Figures and Tables Legends

Suppl. Table 1. Average densitometry values for all substrates on the arrays for LT-HSC and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYDPM	platelet-derived growth factor receptor	0,923932801	0,327426171	
2	KRPSVRAKA	Myelin basic protein	2,018744305	0,488781314	On
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	1,041849924	0,311972368	
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	0,488694283	0,091057372	
5	HRLLTLDPV	Interleukin-1 receptor	0,59490932	0,101538646	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,394328427	0,071033877	
7	PYKFPSSPLRIPGZ		0,526011935	0,167540815	
8	GKRQTEREK	Troponin T	0,892507694	0,156248598	
9	APATSPKAE	neuromodulin (GAP43)	0,518207662	0,126467017	
10	DEESEQGA	tubulin	0,830003538	0,159302349	
11	FFRRSKIIV	glutamate receptor 2	0,962662611	0,138578438	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,657867965	0,092479797	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,431658288	0,040631147	
14	ELILSPRSK	stathmin	0,636788048	0,091061642	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,661513842	0,021836168	
16	SEDNSEDEI	acetyl-CoA carboxylase	1,112059997	0,456258643	
17	PASLSRAKA	phosphorylcholine transferase	1,176365739	0,037173559	On
18	RRASL	pyruvate kinase	1,736212288	0,31174118	On
19	AKKMSTYNV	myosin heavy chain	1,551045035	0,507519996	
20	DDINSYEAW	Coagulation factor IX	1,141806193	0,606450452	
21	ETRFTDTRK	elongation factor 2	0,764574359	0,086502801	
22	QLSTSEENS	Alpha-S2 casein	0,56568762	0,078205151	
23	SPRKSPKKS	Histone H1	1,739879147	0,208417729	On
24	RRKASGP	Histone H1.1	1,487755133	0,092382953	On
25	RQLRSPRRT	ras-related protein Rab-4A	2,253725906	0,346183854	On
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,545354609	0,115381281	
27	RTPPPSG	Myelin basic protein	0,682579875	0,085140306	
28	LRRAS	Red cell/liver pyruvate kinase	1,139154748	0,184326552	On
29	SSTGSIDMV	Microtubule-associated protein tau	0,723855622	0,099999669	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	2,153004027	0,567765598	On
31	VGAFSTVKG	rhodopsin kinase	0,984294639	0,061704764	On
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,638480037	0,098901619	
33	SPGEYVNIE	Insulin receptor substrate 1	0,751656105	0,243105331	
34	RKRSAKE	Histone H2B	1,198567593	0,115604569	On
35	VINETSQHH	vimentin	0,508028701	0,175079185	
36	SPVVSQDTS	Microtubule-associated protein tau	0,598994876	0,167920649	
37	LRRFSLATM	Cytochrome P450 2B1	1,713401253	0,0214759	On
38	PRPASVPPS	Glycogen [starch] synthase	0,963713349	0,226456838	
39	SSRPSSNRS	vimentin	1,344011991	0,373603041	
40	TKFASDDEH	Lupus La protein	0,667175292	0,17848349	
41	LSDDSFIED	DNA topoisomerase II	1,067067263	0,456609637	
42	PSPKTPPGS	Microtubule-associated protein tau	0,591974237	0,158370849	
43	KDIGSESTE	Alpha-S1 casein	0,913472873	0,016411094	On
44	KRRGSVPIL	erythrocyte protein 4.2	2,27415283	0,498924706	On
45	KRAKAKAKKR	Myosin regulatory light chain 2	3,924338736	1,028289381	On
46	QSYSSQRV	Desmin	0,889252521	0,224880994	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	1,328293017	0,353909957	
48	KRSLSEMEI	Serum response factor	0,564137514	0,21583418	
49	KRKQGSVRGL	Glycogen phosphorylase	1,908210718	0,12403773	On
50	HTRDSEAQR	erythrocyte band 7	0,434474967	0,054493635	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,424272092	0,092258852	
52	EEGISQESS	high mobility group protein	0,272251505	0,043397419	
53	EQQQTEDEL	Beta casein	0,36382855	0,039801669	
54	IGEGTYGVV	Cell division protein kinase 2	0,488716878	0,13846286	
55	MMPYVVVTR	Stress-activated protein kinase JNK1	0,478185913	0,090710062	

56	PYKFPSSPLRIPGZ		0,446342559	0,188403846	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,863122767	0,183624675	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,370319776	0,054287579	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	0,777275825	0,012864236	On
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,363627781	0,100100887	
61	GRLSSMAMI	myosin light chain kinase	0,457447439	0,12944115	
62	EEDLSDENI	transcription factor BAF1	0,485652333	0,113453047	
63	EPGPYAQPS	Proto-oncogene C-crk	0,506015179	0,176490401	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,805078106	0,118441669	
65	SGADYPDEL	Trypsin I	0,820000904	0,217474049	
66	KQISVR	Glycogen phosphorylase	1,67829585	0,732940266	
67	SLKDH	L-lactate dehydrogenase M	0,413401559	0,070687405	
68	APRTAGGRR	Myelin basic protein	1,734612988	0,330777918	On
69	DGHEYIYVD	platelet-derived growth factor receptor	0,53053486	0,129587388	
70	FKRSYEEHI	Insulin Receptor (IR)	0,486831366	0,201872866	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	1,106627142	0,157619707	On
72	DRVYVHPF	Angiotensinogen	0,508267669	0,185343015	
73	VRRSDAA	Troponin I	0,450259561	0,051567426	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	1,00329714	0,16493948	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,532356578	0,110679986	
76	PRRASATSS	Glycogen [starch] synthase	0,69970472	0,112499486	
77	RRLSI	phosphorylase b kinase alpha	1,638237512	0,413029258	On
78	STLSLSPFYL	Alpha crystallin B	0,581240213	0,186874884	
79	TRDIYETDY	Insulin Receptor (IR)	1,276775439	0,572930647	
80	VPTLSTFRT	Desmin	0,886288671	0,037090748	On
81	RASTSKSES	40S ribosomal protein S6	0,52507009	0,17364385	
82	SPSSSPTHE	phosphorylcholine transferase	0,533602186	0,160843081	
83	STNDSLL	Beta-2 adrenergic receptor	0,539780226	0,081625046	
84	VRTFTHEVV	Cell division protein kinase 2	0,468561991	0,110496116	
85	SRKMSVQEY	phosducin	0,675726525	0,070875244	
86	LSGLSFKRN	MARCKS-related protein	1,400448124	0,388383609	
87	PTGTTQQRK	Kinesin-related motor protein Eg5	0,58629729	0,205049668	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	1,418718049	0,497623865	
89	TPPKSPSSA	Microtubule-associated protein tau	0,507863227	0,071170413	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,434118627	0,098382039	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,439091326	0,13595412	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,536645796	0,210454488	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	1,221869903	0,284305091	
94	LSVSSLPGL	Glycogen [starch] synthase	0,532979241	0,140467569	
95	SRHSSPHQS	Glycogen [starch] synthase	0,538095049	0,097042581	
96	KKPPTPPPE	Large T antigen	0,957219687	0,254688818	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,265872362	0,453353768	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,521920667	0,144399984	
99	ILDTTGQEE	K-Ras	0,555692744	0,228857785	
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,422904357	0,09003444	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,389358853	0,022409999	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,304216923	0,025647728	
103	IRRASTIEM	Cardiac phospholamban	0,623121625	0,165721252	
104	NFDDYMKSL	Fatty acid-binding protein	0,545384969	0,136379289	
105	PYKFPSSPLRIPGZ		0,4864813	0,146720111	
106	GRTGRRNSI		2,665350174	0,63170053	On
107	ATPIYLDIL	TrkC tyrosine kinase	0,720991281	0,148206062	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,406731769	0,144827328	
109	GDRFTDEEV	Myosin regulatory light chain 2	0,765136059	0,223628734	
110	GSGSSVTSR	Desmin	0,580029713	0,167692508	
111	EEPQYEEIP	Middle T antigen	0,754641547	0,407555112	

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	0,576359574	0,217106309	
113	RRSSSRPIR	Protamine YI	2,067958168	0,305396647	On
114	SKIGSTENL	Microtubule-associated protein tau	0,416584446	0,065770262	
115	NDMTSL	Tropomyosin 1 alpha	0,328605595	0,045871782	
116	AARLSLTDP	platelet glycoprotein IB	0,293129362	0,017784598	
117	ARRSTTDAG	Choriogonadotropin beta	0,308997054	0,110816726	
118	DLKDTKYKL	myosin II heavy chain	0,37903639	0,086284338	
119	GAFSTVKGV	rhodopsin kinase	0,690061279	0,232847708	
120	RGRASSHSS	Lamin A/C	1,278652834	0,265908321	On
121	RKRRAEF	Histone H2B	0,695634042	0,039861602	
122	LRAASLG	Red cell/liver pyruvate kinase	0,614606967	0,065174474	
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	1,355348266	0,260975018	On
124	SIDEYFSEQ	Interferon receptor	0,576687971	0,064609605	
125	EESESD	synaptic vesicle amine transporter	0,703614687	0,135862811	
126	RRRS	Troponin I	2,205073052	0,295549374	On
127	TAYGTRRHL	calponin alpha and beta	1,845943775	0,260373241	On
128	TRRISQTSQ	ryanodine receptor	1,096718427	0,243681923	
129	VTPRTPPPS	Myelin basic protein	0,506127608	0,059389424	
130	REVSSLKSK	myosin heavy chain	0,915828535	0,166893878	
131	PEETQTQD	HSP90-alpha	0,46238229	0,011475689	
132	KKQISVR	Glycogen phosphorylase	1,540696879	0,189034283	On
133	WLTKSPDGN	caldesmon	0,479394394	0,077570101	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	1,838959399	0,563628836	
135	PETVYEVAG	Cortactin	1,002574009	0,293481241	
136	QEPGSGPPE	somatostatin receptor type 3	0,372541352	0,012683715	
137	SVSSSPIKE	transcriptional factor SWI5	0,462307272	0,050457234	
138	TRLHSLRER	Sucrose synthase 1	1,476424972	0,19804839	On
139	PKEVYDVML	TrkC tyrosine kinase	0,399766695	0,108490179	
140	PRTPGGRR	Myelin basic protein	2,248276154	0,617791441	On
141	KLSPSPSSR	Lamin B1	1,247741026	0,234320199	On
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	1,281087324	0,335431785	
143	QASSTPLSP	Lamin A/C	0,459160646	0,049398206	
144	SRRDSLFP	Sodium channel protein type II alpha	0,500804288	0,194553499	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	0,524057156	0,12688638	
146	LLQDSVDFS	vimentin	0,596829129	0,246187973	
147	QLSTSEENS	Alpha-S2 casein	0,386748817	0,043677402	
148	KIQASFRGH	neurogranin	1,917190074	0,410984352	On
149	NKGASQAGM	calponin alpha and beta	0,670443633	0,070285148	
150	EIVESLSSS	Beta casein	0,479622461	0,061734058	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,530346554	0,107429379	
152	KRPSKRAKA	Myelin basic protein	1,162344476	0,076935234	On
153	NRAITARRQ	Troponin I	1,200977921	0,054734543	On
154	PYKFPSSPLRIPGZ		0,573261868	0,122081261	
155	GSRPSESNG	Lens fiber major intrinsic protein	0,534345015	0,161784213	
156	DAHKSKRQH	transcription factor BAF1	0,607308031	0,12687084	
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	0,938094618	0,441023066	
158	GGRDSRSGS	Myelin basic protein	0,621512048	0,015379149	
159	GVERSVRPT	phosphorylase b kinase alpha	0,538868194	0,18668069	
160	EGVKSDQAE	neurofilament triplet M	0,530106656	0,101966187	
161	ESLSSSEES	Beta casein	0,540979946	0,07470996	
162	RVRMSADAM	Troponin I	0,415113561	0,010520441	
163	SNPTYSVMR	Middle T antigen	0,969819785	0,285547016	
164	SSKRAK	Myosin regulatory light chain 2	0,9867168	0,152675094	
165	AGDGSDEEV	myosin heavy chain	0,607593392	0,049004803	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,559831136	0,093802684	
167	DPLLTFRFP	Lamin A/C	0,469783779	0,178629514	

168	GENIYIRHS	erythrocyte protein 4.1	0,756125741	0,135806359	
169	RLSPSPTSQ	Lamin C	0,345834849	0,070102427	
170	RKESYSV	Histone H2B	0,377333859	0,073833014	
171	PLSRTL	Glycogen [starch] synthase	0,431647172	0,099696464	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	0,677371925	0,068087411	
173	SLSSSEESI	Beta casein	0,783702699	0,177425885	
174	LRRASLAG	Red cell/liver pyruvate kinase	1,398683991	0,30489365	On
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	1,29888831	0,381219425	
176	THERSPSPS	phosphorylcholine transferase	0,333783653	0,103821208	
177	TVTRSRSV	Lamin A/C	2,388708698	0,799071658	On
178	YETDYRKG	Insulin Receptor (IR)	0,979413337	0,267616531	
179	RKQISVRGL	Glycogen phosphorylase	1,140388481	0,092472183	On
180	AGTTYAL	myosin heavy chain IA (fragment)	0,384434503	0,144430117	
181	LRRASVA	pyruvate kinase	1,372868553	0,36714144	
182	YRGYSLGNW	Lysozyme C	0,538677827	0,098259766	
183	SSLKSRKRA	spermatid nuclear transition protein 1	1,773226791	0,621655517	
184	PMRRSVSEA	hormone sensitive lipase	0,505050759	0,098517494	
185	RSKRSGSV	phosphorylase b kinase beta	2,460560881	0,620914728	On
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,578438518	0,170244066	
187	TTPLSPTRL	Lamin B2	0,86984826	0,104102379	
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,482376614	0,066189477	
189	VKRGISGL	Histone H4	1,177904612	0,124144795	On
190	KRKQISVRG	Glycogen phosphorylase	1,97011851	0,56376294	On
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	0,586086143	0,05581254	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	0,535517925	0,072441035	
193	SRTLSVSSL	Glycogen [starch] synthase	0,580445409	0,080842199	
194	KRPSEAKA	Myelin basic protein	1,651055	0,057753269	On
195	LRGRSFMNN	6-phosphofruktokinase	0,999247996	0,208382256	
196	QRVSSYRRT	Desmin	2,266717631	0,49107146	On
197	HDLSEMFN	Prolactin	0,576500469	0,126153319	
198	KRPSRAKA	Myelin basic protein	1,972854115	0,426206559	On
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	2,038536105	1,494061514	
200	ENAPSSTSS	DNA topoisomerase II	0,622486022	0,086488969	
201	HMRSSMSGL	acetyl-CoA carboxylase	1,035403258	0,279613279	
202	LDRSSHAQR	Insulin Receptor (IR)	0,567729175	0,141151515	
203	PYKFPSSPLIPGZ		0,546720959	0,230954481	
204	GKEIYNTIR	Ras p21 activator protein	0,76370935	0,131263854	
205	APATPGGRR	Myelin basic protein	1,617610752	0,091188518	On
206	DEEESSEAK	elongation factor 1-beta	0,715418665	0,180148047	
207	FFKKSIST	glutamate receptor 6	1,762021507	0,800936043	
208	GMGTSVERA	pyruvate dehydrogenase E1	0,585258867	0,14444236	
209	DYDSSDIED	cactus	1,932774921	1,089141183	
210	EKRASQAF	stathmin	0,714282069	0,138600915	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,612475196	0,04489631	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,698391039	0,103589136	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	1,045213318	0,272951241	
214	RRASI	pyruvate kinase	1,80883787	0,376714441	On
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,61222233	0,202620978	
216	DDMTGYVA	Mitogen-activated protein kinase p38	0,77994958	0,355325849	
217	ETDYRKG	Insulin Receptor (IR)	0,834526076	0,18628642	
218	YVTTSTRTY	vimentin	0,903613999	0,248244817	
219	SPQPSRRGS	protein phosphatase 1	1,809368203	0,322770278	On
220	RRAASVA	pyruvate kinase	1,47183611	0,145046941	On
221	RPSENGQP	Lens fiber major intrinsic protein	0,488509148	0,096962599	
222	SASTPVKK	Histone H1	1,027757256	0,110261664	On
223	NSYGSRGN	iron-responsive element binding protein	1,802942611	0,270818635	On

224	LRRASL	pyruvate kinase	0,922876965	0,249058564	
225	SSTDSADSG	Early E1A	0,637838647	0,168194108	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	1,048913994	0,168908212	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,732342427	0,231274611	
228	YSFTTTAER	Actin	0,491976953	0,140696903	
229	SPFKYQSL	Beta-2 adrenergic receptor	0,543491079	0,283545003	
230	RKRSAAE	Histone H2B	0,954139321	0,255662698	
231	VIKRSPRKR	transcriptional factor SWI6	2,638357548	0,207912176	On
232	SPVKSPEAK	neurofilament triplet M	0,741054437	0,166304714	
233	LRRASVAQL	pyruvate kinase	1,884698437	0,647038228	
234	PRMPSLSVP	Sodium channel protein	0,52561676	0,206966268	
235	SSPVYQDAV	Cortactin	0,731652429	0,343117384	
236	TKDLYDALH	T-cell surface glycoprotein CD3 zeta	0,636817504	0,25633081	
237	LRSPSWEPF	Heat Shock Protein 26	0,707524792	0,292411753	
238	PSLPTPPTR	Microtubule-associated protein tau	0,987696655	0,27803747	
239	KASASPRRK	Histone H3	2,75308168	0,202913857	On
240	KRRDYDLA	Probable receptor with tyrosine-protein kinase activity	0,749020927	0,247828472	
241	PAPAVRASDRA	Troponin I	0,646053729	0,114303796	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,543641994	0,190910965	
243	KGQESFKKQ	Nucleophosmin	1,56283266	0,317987054	On
244	KRSGSVYEP	phosphorylase b kinase beta	1,613735403	0,313303296	On
245	KRAQISVRGL	Glycogen phosphorylase	2,408794637	0,256292821	On
246	HSSSQGGG	Lamin C	0,552806651	0,23744298	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	0,942987976	0,152820801	
248	EEESSYSYE	RNA polymerase alpha	2,34752816	1,561301943	
249	EQPGSDEED	Ornithine decarboxylase	0,768929104	0,150501867	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,5039955	0,168015635	
251	MLDHSESTK	myelin	0,570259781	0,142912347	
252	PYKFPSSPLRIPGZ		0,600945481	0,214892833	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	1,398660613	0,098346394	On
254	AQDTYLVLD	Erythropoietin Receptor	0,706767613	0,247328433	
255	DIPESQMEE	Band 3 anion transport protein	0,751654894	0,151690742	
256	FPRASFGSR	Desmin	1,604581247	0,297384317	On
257	GRKASGSSP	myosin light chain kinase	1,032285338	0,112787908	On
258	EDVGSDEEE	HSP90-alpha	0,897701826	0,359687403	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	0,608501028	0,132679738	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	0,731171593	0,111348974	
261	SFTTTAERE	Actin	0,514951555	0,187695533	
262	PLSRTL	glycogen synthase	0,559409386	0,201618828	
263	SGRGK	Histone H4	1,201152915	0,06388473	On
264	APRSPGGRR	Myelin basic protein	2,029508754	0,237858813	On
265	DGERYDEDE	Glycogen [starch] synthase	1,013974543	0,197771404	
266	FKRPTLRRV	troponin I	2,088037521	0,226647619	On
267	REAEYEPET	Cortactin	0,928331394	0,367236146	
268	DRVYIHPF	Angiotensinogen	0,703754481	0,237361565	
269	VRRISGL	Histone H4	1,661746067	0,126911572	On
270	RRKGTDVNV	Annexin I	1,084846552	0,193862827	
271	SETKTEEEE	DNA topoisomerase II	0,687712324	0,184284521	
272	PQRATSNVF	Myosin regulatory light chain 2	0,571060839	0,106220141	
273	RRGSV	pyruvate kinase or palladin	1,650843415	0,126428506	On
274	STSKSESSQ	40S ribosomal protein S6	0,545596477	0,183296772	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	1,29887582	0,290198096	
276	VPRTPGGRR	Myelin basic protein	2,264041495	0,160538527	On
277	RASSRSVR	Lamin B0	2,651618954	0,478571731	On
278	SPSSPASL	phosphorylcholine transferase	0,557308252	0,144075492	
279	RVYVHPF		1,27840446	0,368080483	

280	VRRVSDDDR	Tyrosine 3-monooxygenase	0,461479112	0,041673321	
281	SRKMSIQEY	phosducin	0,696745434	0,1400312	
282	LSGFSEKKS	myristolated alanine-rich C-kinase substrate	1,394407384	0,386414723	
283	PSSTSSSSI	DNA topoisomerase II	0,521575749	0,119416915	
284	STGIYEAL	Alpha enolase	0,994451447	0,42082368	
285	TPPKSPSAS	Microtubule-associated protein tau	0,466266889	0,070061471	
286	LYSSSPGGA	vimentin	0,407167613	0,13039809	
287	PVPKSPVEE	neurofilament triplet M	0,421984925	0,131273221	
288	KKASFKAKK		2,58036058	0,524396044	On
289	KSPAKTPVK	Actin and myosin binding protein	1,831797589	0,48368532	On
290	PLSKTSLVSS	Glycogen [starch] synthase	0,507204586	0,060796791	
291	SRGKSSSYS	Fibrinogen alpha	1,089298644	0,045457403	On
292	KKLGSKKPQ	Sodium channel protein type II alpha	1,870957167	0,82497829	
293	KTASTRKV	cystic fibrosis transmembrane conductance regulator	2,428447256	0,409190559	On
294	PRRTRRAS	Protamine YII	0,537854221	0,04122637	
295	IHQRSRRL	Neutrophil cytosol factor 2	1,326005921	0,408281245	
296	NDALSGSGN	galectin-3	0,481271612	0,061524692	
297	EETQTQDQP	HSP90-alpha	0,319382658	0,078282981	
298	ERSQSRKDS	alpha-1B adrenergic receptor	0,378443896	0,082902736	
299	IRQASQAGP	synapsins	0,370624238	0,059082472	
300	NFDDYMKEV	Fatty acid-binding protein	0,412799713	0,054805029	
301	PYKFPSSPLRIPGZ		0,32798084	0,057998431	
302	GRRQSLIQD	tyrosine 3-monooxygenase	0,514453485	0,013677048	
303	ASFEYTILD	Erythropoietin Receptor	0,630559035	0,16060349	
304	DLSTYASIN	Insulin receptor substrate 2	0,456714556	0,046135591	
305	GDNDYIPL	platelet-derived growth factor receptor	0,546305525	0,185841095	
306	GSESTEDQA	Alpha-S1 casein	0,23996076	0,011584716	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,39108898	0,139964705	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	0,619081312	0,151239232	
309	RRRSRSRS	Lamin B receptor	2,947370786	0,595967685	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,456747995	0,04105449	
311	NDITSL	Tropomyosin beta	0,454137553	0,056125309	
312	AARGSFDA	rhodopsin kinase	0,344207944	0,051705356	
313	ARNDVTVA	cAMP response element-binding protein CRE-BP1	0,287757652	0,04378076	
314	DLFGSDEED	elongation factor 1-beta	0,596188686	0,276375531	
315	FSSRSYTSG	Keratin 8	0,781687648	0,228566222	
316	RGKSSYSK	Fibrinogen alpha	1,121731547	0,597744379	
317	RKRSRAEA	Histone H2B	0,650585079	0,19097682	
318	LKRASLG	pyruvate kinase	0,529040745	0,060892899	
319	RRRPTPATL	Protein phosphatase inhibitor 1	0,982576784	0,143747347	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,355251687	0,067134611	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	0,816989667	0,244281589	
322	RRRRASVA	pyruvate kinase	2,947639491	0,829543345	On
323	TATDYHTTS	Band 3 anion transport protein	0,403451907	0,044931355	
324	TRRASRPVR	Protamine YII	1,438958585	0,534738612	
325	VSSSYRRM	vimentin	1,558176139	0,402464899	On
326	REVSSLKKNK	myosin heavy chain	0,759540675	0,218960564	
327	LSYRRYSL		1,190586721	0,323469271	
328	KKKASVA	pyruvate kinase	0,693135858	0,383151035	
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	0,745174581	0,292086478	
330	SRRQSVLVK	glutamate receptor 6	1,229199893	0,280479833	
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	1,346788171	0,671968458	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	0,500454267	0,120279649	
333	SVPPSPSLS	Glycogen [starch] synthase	0,413494082	0,113800724	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	0,476795624	0,122813829	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	0,840955404	0,222839262	

336	KRKQISVR	Glycogen phosphorylase	2,35460572	1,414565558	
337	KLRRSSSVG	Acetylcholine receptor protein delta	2,44235231	0,506292467	On
338	LDPLSEPED	Thyroid hormone receptor alpha	0,626358388	0,118807394	
339	QAGMTAPGT	calponin alpha and beta	0,306199647	0,031871119	
340	SRRASRPVR	Protamine Z	1,109131304	0,152303584	On
341	KPGFSPQPS		0,586393918	0,214957967	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	0,450597804	0,108588232	
343	QLNDSSEEE	E7 protein	0,524591979	0,09887982	
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	0,804013383	0,239475101	
345	NIYISPLKS	Retinoblastoma-associated protein	0,789589158	0,257491309	
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	0,435136256	0,073778511	
347	ESRISLPLP	vimentin	0,476364164	0,129858197	
348	KRPSIRAKA	Myelin basic protein	2,238766486	0,032139954	On
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,775251106	0,232703571	
350	PYKFPSSPLRIPGZ		0,490757057	0,043108968	
351	GSRGSGSSV	Desmin	0,621032266	0,156646772	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,355452557	0,021343536	
353	DRRVVAAE	cAMP-dependent protein kinase II (PKA)	0,304349951	0,026907269	
354	GGRASDYKS	Myelin basic protein	0,636221958	0,106568701	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,606872955	0,185566632	
356	EGTHSTKRG	Fibrinogen alpha	0,904257052	0,105684353	
357	ESLESYEIN	Matrix Gla-protein	0,804581451	0,404688369	
358	RVRKTKGKY	glutamate receptor 1	2,7156295	1,009668419	
359	SNPEYLSAS	Insulin Receptor (IR)	0,595978549	0,044235621	
360	RRSTVA	Protamines Z1 and Z2	1,259168287	0,074210112	On
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,367478519	0,044094653	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,478346578	0,095426009	
363	DPGVSYRTR	pyruvate dehydrogenase E1	0,92820105	0,233241963	
364	GEINTEDDD	calsequestrin	0,691615593	0,110823323	
365	RLSISTESQ	phosphorylase b kinase alpha	0,420678965	0,038494901	
366	RKEISVR	Glycogen phosphorylase	1,363526546	0,322056609	
367	PGSPQKR	Histone H2	0,364291762	0,064648179	
368	RSGYSSPGS	Microtubule-associated protein tau	0,713793554	0,033625517	
369	SLRASTSKS	40S ribosomal protein S6	1,421078034	0,158588429	On
370	VRKISGL	Histone H4	0,933756101	0,255239541	On
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	0,743092713	0,009177359	On
372	TGFLTEYVA	myelin	0,64832686	0,123341842	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,382837917	0,053485777	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	0,776188312	0,260181023	
375	RKLSQGTR	spermatid nuclear transition protein 2	1,301930363	0,208929361	On
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	1,178312659	0,402719358	
377	LRRASPG	pyruvate kinase	0,805655012	0,155887572	
378	YMAPYDNYV	platelet-derived growth factor receptor	1,014299292	0,367684259	
379	SSKAYGNGY	Beta-2 adrenergic receptor	0,549178558	0,10543786	
380	PLTPSGEAP	EGF Receptor	0,578287127	0,141762939	
381	RRRRPTPA	pyruvate kinase	4,303822638	0,133140295	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,581677001	0,143358791	
383	TSSSIFDI	DNA topoisomerase II	0,656950289	0,184652139	
384	PPSPSLSRH	Glycogen [starch] synthase	2,296073362	0,257694445	On
385	SSKRAKAK	Myosin regulatory light chain 2	2,145961209	0,424772762	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	1,196503091	0,177900543	On
387	LNRMSFASN	acetyl-CoA carboxylase	0,706058092	0,091231497	
388	QRHGSKYLA	Myelin basic protein	0,609923712	0,13033811	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,560034605	0,111814511	
390	KRPSDRAKA	Myelin basic protein	2,126433217	0,314401782	On
391	LRGPSWDPF	Heat Shock Protein 27	0,71356396	0,078279033	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,455522036	0,111180317	
393	HDALSGSGN	galectin-3	0,73129888	0,192198809	
394	KRPSQRAKY	Myelin basic protein	1,840283416	0,478845157	On
395	EDNEYTARE	Tyrosine-protein kinase Hck	1,190008087	0,518520942	
396	ENAFSPSRS	caldesmon	0,590909134	0,243678342	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,571006721	0,173945271	
398	LAYESHESM	Matrix Gla-protein	0,633469072	0,168751456	
399	PYKFPSSPLRIPGZ		0,616482292	0,08808936	
400	GHQGTVPSPD	Beta-2 adrenergic receptor	0,540866032	0,161408931	
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,527925019	0,172071299	
402	DEASTTVSK	Rhodopsin	0,647014881	0,168686415	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,63058616	0,147740464	
404	GLLRSWNDP	Prolactin	0,707060437	0,213095166	
405	DTVTSQRA	Proto-oncogene tyrosine-protein kinase Src	1,402358079	0,997425998	
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,571430379	0,120858107	
407	RRASTIEMP	Cardiac phospholamban	0,886705619	0,298045465	
408	SDEESNDDS	calsequestrin	0,828747957	0,298538145	
409	NVFSSPGGT	Actin and myosin binding protein	0,645597166	0,176711487	
410	RRASF	pyruvate kinase	1,46049316	0,528001395	
411	AKGGTVKAA	annexin IV	0,908075446	0,134163911	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	0,768611827	0,181503979	
413	ETDDYAEII	Focal adhesion kinase	0,775890769	0,272573071	
414	YTTNSPSKI	transcriptional factor SWI7	0,6411705	0,17998906	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,875841818	0,05673343	On
416	RKRTRKE	Histone H2B	1,489305569	0,410876786	
417	RPPGFTPFR		1,100054647	0,205980009	
418	SASGTPNKE	caldesmon	0,548542121	0,20898578	
419	NSVDTSSLS	Glycogen [starch] synthase	0,694629195	0,203436511	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	0,835963545	0,122103188	
421	SSSSPSRR	Lamin B receptor	1,574157215	0,582500579	
422	TKSASFLKG	nodulin-26	0,964757492	0,184410289	
423	VESLSSSEE	Beta casein	0,929744226	0,333655994	
424	YRRNSVRFL	Neutrophil cytosol factor 3	1,965749763	0,649645392	
425	SPALTGDEA	Insulin receptor substrate 4	0,622714651	0,164473402	
426	RKQITVR	Glycogen phosphorylase	2,045588608	0,920349323	
427	VHNRSKINL	HMG-CoA reductase	0,944122856	0,05000729	On
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,664470772	0,17584669	
429	LRRASLGAF	pyruvate kinase	1,850020353	0,911451497	
430	PRKGSPRKG	Histone H2B.2	1,044150986	0,180282566	
431	SSPGSPGTP	Microtubule-associated protein tau	0,625639864	0,152284869	
432	TKAASEKKT	myelin	0,558198194	0,116856819	
433	LRRSSSVGY	Acetylcholine receptor protein delta	2,849507335	1,629883873	
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	0,661800874	0,11596501	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,673480261	0,132742418	
436	KRQSSTSNA	phosphorylase b kinase beta	1,147811023	0,081531383	On
437	QKRPSQRSKYL	Myelin basic protein	2,161149486	0,635508639	On
438	QSPSSSPH	phosphorylcholine transferase	0,634172408	0,077747982	
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	0,875293493	0,136042073	
440	KRRSSSYHV	Sodium channel protein type II alpha	3,752466015	1,536480091	
441	KAKQISVRGL	Glycogen phosphorylase	1,937044756	0,815311638	
442	HSIYSSDDD	Myb proto-oncogene protein	0,696454982	0,505348086	
443	LVMQTAAGT	myosin light chain kinase	0,693088713	0,247375086	
444	EEELYLEPL	Tyrosine-protein kinase receptor	0,996150754	0,443813642	
445	EQLSTSEEN	Alpha-S2 casein	0,451020738	0,076255878	
446	IDMESQERI	Transcription factor AP-1	0,527429161	0,07223238	
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,402185703	0,035011663	

448	PYKFPSSPLRIPGZ		0,344522686	0,023402935	
449	GPAASAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,480706632	0,119146752	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,516359264	0,104294149	
451	DHSRSTKAA	myelin	0,814156357	0,067428389	
452	FPFHSPSRL	Alpha crystallin B	1,325289413	0,340634955	
453	GRILTLPRS	Insulin Receptor (IR)	1,342933952	0,304142742	On
454	EDVGSDEED	Heat Shock Protein 90-beta	0,802038885	0,269691288	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,388667578	0,062872898	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	0,633139171	0,341382195	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,417857603	0,038566672	
458	PGTESFVNA	Beta-2 adrenergic receptor	0,546758312	0,079720894	
459	SDEEV	Troponin T	0,550992927	0,073188349	
460	APQTPGGRR	Myelin basic protein	1,165455512	0,25558724	
461	DFPLSPPKK	stathmin	0,514895481	0,166350959	
462	FKAFSPKGS	Actin and myosin binding protein	1,221830327	0,057557111	On
463	RDSNYISKG	platelet-derived growth factor receptor	0,644682131	0,294967709	
464	DDEESESD	synaptic vesicle amine transporter	1,185238473	0,306064476	
465	VKRISGL	Histone H4	1,028638135	0,231747834	
466	RRKDYPALH		0,715952283	0,180362071	
467	SEKKSGLG	myelin	0,453553692	0,072158705	
468	PPSAYGSVK	Annexin II	0,713751715	0,054139975	
469	RRFSV	pyruvate kinase	1,633518147	0,132956671	On
470	STRRSVRGS	multidrug resistance protein 1	3,092983254	0,785470248	On
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	3,058009751	0,546112252	On
472	VNELSKDIG	Alpha-S1 casein	0,516485264	0,133384826	
473	RAGETRFTD	elongation factor 3	0,382623016	0,08907151	
474	SPSPSFRWP	phosphorylcholine transferase	0,682428814	0,23347402	
475	RVSGSRR	Lamin C	3,031696268	0,087379566	On
476	VRLRSSVPG	vimentin	1,134998074	0,292666164	
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	0,742382685	0,103763621	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,19415927	0,142314251	On
479	PSRRSRSRS	Lamin B receptor	0,48232053	0,11579998	
480	STDYYREGP	TrkC tyrosine kinase	1,091617402	0,467624559	
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	1,408404158	0,136879142	On
482	LVVASAGPT	RNA polymerase alpha	0,484790919	0,06284871	
483	PVPEYINQS	EGF Receptor	0,58557954	0,024114442	
484	KKAESPVKE	neurofilament triplet M	0,842978716	0,25603523	
485	KSLNYIDLD	Insulin receptor substrate 5	0,914723268	0,149057401	
486	KRKQISVRGL	Glycogen phosphorylase	2,01492262	0,570835542	On
487	SRGDYMTMQ	Insulin receptor substrate 6	0,497902401	0,043246807	
488	KKKSGGEDD	eukaryotic translation initiation factor 4F	0,729813289	0,165939618	
489	KTSPSSSPA	phosphorylcholine transferase	0,762497471	0,278803457	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	0,58704354	0,096923148	
491	IGSVSEDNS	acetyl-CoA carboxylase	1,359909815	0,666596337	
492	NAPVSALGE	Myb proto-oncogene protein	0,400996028	0,040521886	
493	EETPYSYPT	Paxillin	0,88671471	0,493780265	
494	ERSPSPSFR	phosphorylcholine transferase	0,858412762	0,305608271	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	1,567590105	0,519267821	
496	NEEESYSY	RNA polymerase alpha	1,62179159	1,216441255	
497	PYKFPSSPLRIPGZ		0,377831232	0,043496949	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,472780818	0,028835875	
499	ASATSSSGG	Glycogen [starch] synthase	0,390147392	0,006140103	
500	DLPMSPRTL	Signal Transducer and Activator of Transcription 3	0,37430309	0,016179681	
501	GDLQSAEFH	Cystatin	0,486260706	0,072912774	
502	GSEEMYNMD	Insulin receptor substrate 3	0,488473491	0,182059874	
503	EENTYDEYE	Cortactin	0,566804703	0,116016546	

504	ERRKSHEAE	stathmin	0,700095022	0,239713712	
505	RRRVTSATR	glial fibrillary acidic protein	1,809070218	0,867347317	
506	SKDSSKRGR	myelin	1,613434734	0,639872018	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,42388595	0,069094645	
508	AALESEDED	eukaryotic translation initiation factor 4F	0,728692463	0,02951733	
509	ARKSTRRSI	pleckstrin	1,843241933	0,815307448	
510	DLFGSDDEE	elongation factor 1-beta	0,827489121	0,351687958	
511	FRRLSISTE	phosphorylase b kinase alpha	0,509065377	0,0515876	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	0,535681405	0,022278177	
513	RKISASEF		0,605249552	0,342689109	
514	LHRASLG	pyruvate kinase	0,649022137	0,018190902	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,093318213	0,299741531	
516	SGYSSPGSP		0,481034758	0,094293335	
517	LGEFTP	Calgranulin B	0,502333996	0,081402661	
518	RRLSSLRA	40S ribosomal protein S6	2,475402058	1,126138357	
519	TAESSQAE	Neuromodulin	0,630480819	0,059087079	
520	TRRASFSAQ	Regulatory protein ADR1	1,344768903	0,545104135	
521	VSRTSAVPT	Desmin	0,526550474	0,119973697	
522	REQLSTSEE	Alpha-S2 casein	0,526403827	0,142256215	
523	LSYRGYSL		0,444102763	0,018315132	
524	KASGSSP		0,408642162	0,017334818	
525	VVGSLRGA	Protein tyrosine phosphatase 1B	0,957604736	0,288489803	
526	SRRPSYRKI	cAMP response element binding protein	1,180642512	0,417417608	
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	1,336973502	1,010321297	
528	QEGDTDAGL		0,59561393	0,042564597	
529	SVFSSPAS	caldesmon	0,335370376	0,099332278	
530	TRKISQTAQ	ryanodine receptor	0,592616127	0,131233077	
531	PINGSPRTP	Retinoblastoma-associated protein	0,405738649	0,100438907	
532	KQISVRGL	Glycogen phosphorylase	1,51716751	0,532165566	
533	KLINSIADT	Serine/threonine-protein kinase STE7	0,403122251	0,050341072	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	0,963735141	0,49467074	
535	PYDNYVPSA	platelet-derived growth factor receptor	0,635692184	0,307278347	
536	SRQLSSGVS	Heat Shock Protein 27	0,470744944	0,019646375	
537	KNIVTPRTP	Myelin basic protein	1,43658889	0,535503517	
538	LKLASPELE	Transcription factor AP-2	0,428495179	0,102576511	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,432785086	0,103817086	
540	IVYKSPVVS		0,770277121	0,195257046	
541	NGYISAAEL	Calmodulin	0,986291318	0,362898258	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,438588234	0,044017766	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,450383407	0,123243356	
544	KRPSHRAKA	Myelin basic protein	1,425716312	0,312458523	On
545	NNYVYIDPT	Mast/stem cell growth factor receptor	0,762440879	0,236512179	
546	PYKFPSSPLRIPGZ		0,336302852	0,027334964	
547	GSPRTPRRG	Retinoblastoma-associated protein	2,020264888	0,353587741	On
548	DADEYLIPQ	EGF Receptor	0,901131979	0,467842983	
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	0,733789549	0,211778943	
550	GGLTSPGLS	Keratin 8	0,382085433	0,131408144	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,377218084	0,112397535	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,801939255	0,267995865	
553	ESIISQETY	Alpha-S2 casein	1,075461936	0,601325541	
554	RVRKSKGKY	glutamate receptor 2	2,996797085	1,690282211	
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,470073135	0,063428059	
556	RRPTVA	Protein phosphatase inhibitor 2	1,142811515	0,117858772	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,025013831	0,437182765	
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,394630197	0,078814078	
559	DPGTSYRTR	pyruvate dehydrogenase E1	0,832223475	0,233346053	

560	GEGTYGVVY	cell division control protein 2	0,681375439	0,250438005	
561	RLRLSPSPT	Lamin C	0,903569004	0,129166558	
562	RKASRKE	Histone H2B	1,262046348	0,323861824	
563	LRRWSLG	pyruvate kinase	0,939985794	0,049193833	On
564	RRVTSATRR	glial fibrillary acidic protein	3,085264772	0,461120283	On
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,568478756	0,118509699	
566	RRATPA	pyruvate kinase	1,176103074	0,076389878	On
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	0,665622694	0,280033327	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,412662943	0,07368755	
569	TVSKTETSQ	Rhodopsin	0,406340898	0,075521171	
570	WTSDTQGDE	14-3-3 protein zeta	0,777555664	0,121462699	
571	RKFSSARPE	Sodium channel protein	1,125615022	0,061563942	On
572	KKKKASVA	pyruvate kinase	1,366495461	0,646892085	
573	LRRASLG	pyruvate kinase	1,29551043	0,348746613	
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,318118388	0,105329109	On
575	SSEITTKDL	Prothymosin	0,462747105	0,150790478	
576	PLSRTLVS	glycogen synthase	0,71880237	0,089954168	
577	LRRASLRG	pyruvate kinase	2,281665826	0,686439645	On
578	TEGQYELQP	Tyrosine-protein kinase Blk	0,823346411	0,307536172	
579	TSPSSPAS	phosphorylcholine transferase	0,352435692	0,02462449	
580	PPSAYGSVK	Annexin II	0,645972226	0,149250898	
581	RTKRSGSV	phosphorylase b kinase beta	2,182077204	0,371477729	On
582	KRFGSKAHM	nitric-oxide synthase	2,132450644	0,311357522	On
583	LNDSEEEED	E7 protein	0,761853497	0,187032874	
584	QRATSNVFA	Myosin regulatory light chain 3	0,578395543	0,079924079	
585	SRSRTPSLP		1,617469176	0,410090868	On
586	KRPSARAKA	Myelin basic protein	2,50776104	0,491484223	On
587	LRAPSWIDT	Alpha crystallin B	0,671761093	0,129848652	
588	QRRTSVSGE	cAMP-dependent protein kinase	0,75847878	0,269002511	
589	HATPSPVVD	Myb proto-oncogene protein	0,527821378	0,101327167	
590	KRPSQRAKA	Myelin basic protein	1,386983838	0,496269811	
591	EDAESEDEE	Nucleophosmin	0,568289164	0,129098623	
592	ENAEYLRVA	EGF Receptor	0,71738516	0,156690385	
593	HKRKSSQAL	Transforming protein erbA	1,139260008	0,122811391	On
594	LAYESHESL	Matrix Gla-protein	0,640738849	0,188289639	
595	PYKFPSSPLRIPGZ		0,646186521	0,02863305	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,633371427	0,13172542	
597	ALRPSTSRS	vimentin	0,883988699	0,342812048	
598	DEAATKTQT	myosin II heavy chain	0,597230891	0,081794366	
599	FARKSTRRS	pleckstrin	1,676305335	0,706595384	
600	GLGESRKDK	myelin	0,640181356	0,09973373	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	0,885943946	0,238309917	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,482851024	0,098392557	
603	RRAISGDLT	dihydropyridine-sensitive calcium channel	0,629401959	0,045229145	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,71711841	0,107552846	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	0,805130087	0,141575901	
606	RASLG		0,810120965	0,154019665	
607	AKDASKRGR	myelin	1,413161927	0,419277042	
608	DDEASTTVS	Rhodopsin	0,615209503	0,132345627	
609	ETAESSQAE	Neuromodulin	0,550276578	0,09589678	
610	YTRFSLARQ	Transferrin receptor protein 1	1,032263532	0,365378942	
611	SPKQSPSSS	phosphorylcholine transferase	0,599080738	0,126336791	
612	RKRSRKE	Histone H2B	0,580410309	0,137337561	
613	RPPGFSPFR		0,92454749	0,252327698	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,545880021	0,059877473	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,392931839	0,082270205	

616	KGYSLG	Lysozyme C	0,56484854	0,087190317	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,648266135	0,192254132	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	1,497885348	0,734752128	
619	VEPLTPSGE	EGF Receptor	0,507749863	0,070040166	
620	YRLPSNVQ	Alpha crystallin A	0,559276408	0,055033593	
621	SPAISIHEI	phosphorylase b kinase alpha	0,462933319	0,093582755	
622	RKQISVR	Glycogen phosphorylase	0,432618966	0,07088056	
623	VGWPTVRER	Nef	0,77075337	0,19433497	
624	QTYRSFHD	cGMP-dependent protein kinase (PKG)	0,957469925	0,241679503	
625	LRRASLGAA	pyruvate kinase	1,768158016	0,650764252	
626	PRKGSPPRG	Histone H2B.2	0,648110739	0,048298203	
627	SSPASLSRA	phosphorylcholine transferase	0,690456744	0,070883111	
628	TKAASEKKS	myelin	0,377509773	0,109163136	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,433014085	0,04377792	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,441920564	0,070817728	
631	KAKVTGRWK	troponin T	2,521599072	1,190982583	
632	KRPTQRAKY	Myelin basic protein	3,209308617	1,300320759	
633	PLSRTLVRSL	Glycogen [starch] synthase	1,205529516	0,539776945	
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,543269532	0,098058257	
635	KGGYSQAA	HLA class I histocompatibility antigen B7	0,794289002	0,204702186	
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	1,401774226	0,331398735	On
637	KAQISVRGL	Glycogen phosphorylase	0,620867006	0,04418359	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,430054061	0,463997804	
639	LSGFSPKKN	myristolated alanine-rich C-kinase substrate	1,045576208	0,351959218	
640	EEEEYMPME	Middle T antigen	0,580294639	0,069255325	
641	EQFSTVKG	G protein-coupled receptor kinase 6	0,53752282	0,143707206	
642	IDKISRIGF	glycine receptor alpha	0,396219048	0,069363062	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,422773435	0,064952066	
644	PYKFPSSPLRIPGZ		0,442967699	0,047834992	
645	GNHTYQEIA	Paxillin	0,544374115	0,04189309	
646	APVASPAAP	synapsins IA and IB	0,596111202	0,112741649	
647	DGNNSEDES	caldesmon	0,546645584	0,061866424	
648	FMTEYVTR	mitogen-activated protein kinase MSK7	0,510947365	0,079904457	
649	GRGLSLSRF	Myelin basic protein	1,112112941	0,316279381	
650	EDTLDSDDD	N-myc proto-oncogene protein	0,897622326	0,405275189	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,449099261	0,100594863	
652	RRPTSPVSR	Early E1A	1,470609554	0,568990004	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,563014405	0,070905273	
654	QKRPSQRSK	Myelin basic protein	1,638582521	0,386081408	On
655	SDEEH	initiation factor 5A	0,490765493	0,038659382	
656	APLTPGGRR	Myelin basic protein	1,189333618	0,287400426	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,585216137	0,125547426	
658	FGSRSLYGL	keratin, type II	0,594410467	0,018755763	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,407345546	0,102696729	
660	AVRRSDRA	Troponin I	0,999592844	0,177058824	
661	VKRGSG	Histone H4	0,902891774	0,269021443	
662	RRKDTPALH		0,736558034	0,201717373	
663	SEITTKDLK	Prothymosin	0,450791661	0,02440903	
664	PNVSYIASR	protein kinase shaggy	0,738967113	0,091375719	
665	RRDSV	pyruvate kinase	0,791915474	0,032682609	On
666	STRRSIRLP	pleckstrin	2,191989476	1,150272998	
667	TPQVSDTMR	glycogenin	0,488660833	0,056978834	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,442584299	0,033303591	
669	RAAHSIKGG	Chemotaxis protein cheA	1,060341224	0,335869771	
670	SPSLSRHSS	Glycogen [starch] synthase	1,172169275	0,488541982	
671	RTPPPSG	Myelin basic protein	0,630339615	0,149473861	

672	VRKRTLRL	EGF Receptor	1,850762983	0,866431209	
673	SRKSGFGH	gap junction beta-1 protein	1,096717055	0,366214947	
674	LSGESDLEI	DNA topoisomerase II	0,748170591	0,076105921	
675	PSQRSKYLA	Myelin basic protein	0,527667708	0,034093064	
676	STDEYLDLS	Receptor tyrosine kinase	1,224832898	0,774421776	
677	TNHIYSNLA	Mast/stem cell growth factor receptor	0,694375972	0,064326231	
678	LSRHSSPHQ	Glycogen [starch] synthase	1,040269057	0,082446585	On
679	PTRHSRVAE	Lamin	0,50041677	0,034221313	
680	KISITSRKA	GTP-binding protein era	1,298362408	0,516761594	
681	KSKISASRK	troponin I	1,975839203	1,039548358	
682	KRKQISVGGL	Glycogen phosphorylase	0,757973196	0,223528412	
683	SRALSRQLS	Heat Shock Protein 27	1,574529616	0,670541571	
684	KKKFSFKKP	MARCKS-related protein	3,153902857	2,237059979	
685	KTRSSRAGL	Histone H2A	2,069958553	0,867751093	
686	PAPGSPPEP	Early E1A	0,454428716	0,044429658	
687	IGSESTEDQ	Alpha-S1 casein	0,421516518	0,08778137	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	0,636946606	0,172243815	
689	EEQEYVQTV	Annexin I	0,594994935	0,111385005	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,504556299	0,126778878	
691	IREESPPTS	Glycoprotein IV	0,364726439	0,054719222	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	0,661187551	0,121630622	
693	PYKFPSSPLRIPGZ		0,471967839	0,140604934	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	0,93603492	0,413326378	
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	0,927406749	0,244823267	
696	DLPLSPSAF	tristetraproline	0,686686293	0,115472596	
697	GDKKSKKAK	Na+/K+ ATPase 1	1,013831307	0,121856902	On
698	GSDVSFNEE	DNA topoisomerase II	0,657765581	0,256277462	
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,442667571	0,164254971	
700	ERQKTQTKL	myosin light chain kinase	0,736338209	0,320274904	
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	0,918238324	0,253418419	
702	SKAGSLGNI		0,43477713	0,059609668	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,447914429	0,147899724	
704	AAATTPAAE	neuromodulin	0,274776902	0,082215882	
705	ARKKSSAQL	ras-related protein rap-1b	0,803526102	0,574429785	
706	DKVTSPTKV	caldesmon	0,534129998	0,214877258	
707	FRRFTPDSL	Sodium channel protein	0,587515779	0,220099768	
708	RFTDTRKDE	elongation factor 4	0,468548028	0,121051997	
709	RKISASEA		0,536460201	0,138899139	
710	LARASLG	pyruvate kinase	0,744626935	0,165708713	
711	RRRLSSLRA	40S ribosomal protein S6	0,749188176	0,098780831	
712	SGYISSLEY	Complement C1r	1,03740847	0,374086397	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,411921839	0,108250287	
714	TIAVG	Photosystem Q(A)	0,460780274	0,198160916	
715	TADISEDEE	phosphorylcholine transferase	0,748578404	0,113452621	
716	TRQTSVSGQ	synapsins IA and IB	0,44464935	0,05228079	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	0,984745141	0,347730097	
718	REQESSGEE	Protein phosphatase inhibitor 2	0,458838521	0,033695625	
719	GTKRSGSV	phosphorylase b kinase beta	1,28938492	0,154449214	On
720	NRLQTMKEE	Lamin C	0,562812194	0,245415424	
721	VVELSGESD	DNA topoisomerase II	0,571944084	0,067060911	
722	SRRPSRATW	Vitronectin	1,888776839	0,245618986	On
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,456031801	0,066379188	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	0,438647994	0,051342184	
725	STTVSKTET	Rhodopsin	0,451960361	0,060945075	
726	TRKISASEF		0,47520654	0,078194631	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,348073168	0,097471561	

728	KQGSGRGL	Glycogen phosphorylase	1,51786679	0,422342917	
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	2,501744004	0,788694132	On
730	LASSSKEEN	Cystatin S	0,523041868	0,144817852	
731	PLRRTLVA	glycogen synthase	0,522725629	0,103616214	
732	SRPSSNRSY	vimentin	1,7088832	0,390040804	On
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	1,450238439	0,303018837	On
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	0,662398919	0,162458546	
735	QKAQTERKS	troponin T	0,966878447	0,20402247	
736	ISTESQPNG	phosphorylase b kinase alpha	0,388863253	0,139848866	
737	NGNNYVYID	Mast/stem cell growth factor receptor	0,517887206	0,094007574	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	0,819560026	0,154686138	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	0,520723503	0,090599293	
740	KRKSSQALV	Transforming protein erbA	1,550853468	0,861636568	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,44741776	0,058146627	
742	PYKFPSSPLRIPGZ		0,411504077	0,091328999	
743	GSPGTPGSR		0,68893971	0,169266407	
744	AVVRTPPKS		1,299740478	0,122849557	On
745	DRKLSTKEA	multidrug resistance protein 2	0,627193797	0,152255592	
746	GGIRSLNVA	isocitrate dehydrogenase	0,525634982	0,088484913	
747	GTRLRLARM	glial fibrillary acidic protein	1,102249522	0,182406952	On
748	EGNKSPAPK	Actin and myosin binding protein	0,449923252	0,209087567	
749	ESHESMESY	Matrix Gla-protein	0,532492665	0,178539456	
750	RVRISADAM	Troponin I	0,450921512	0,178609529	
751	SNDDSDDDD	casequestrin	0,73610261	0,143527314	
752	RRPTPA	Protein phosphatase inhibitor 3	1,239345313	0,099278486	On
753	AEGSSNVFS	Myosin regulatory light chain 2	0,546572228	0,138038568	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	0,727960867	0,160192232	
755	DNPDYQQDF	EGF Receptor	1,082050126	0,691254303	
756	GDVKYADIE	platelet-derived growth factor receptor	0,679944818	0,247443398	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	0,692503745	0,089635338	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	1,852312358	1,128751727	
759	LRRPSLG	pyruvate kinase	1,456687571	0,414569221	
760	RRVRSQEPG	somatostatin receptor type 4	0,865621221	0,043227045	On
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,50952434	0,130271286	
762	RRASVA	pyruvate kinase	1,362435491	0,349278228	
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	0,714521401	0,314512778	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,533341896	0,145087537	
765	TVKSSKGGP	Annexin I	0,861494862	0,264000165	
766	WTSDSAGEE	14-3-3 protein tau	0,844207221	0,196424222	
767	RKAASVIAK	DNA polymerase beta	1,455079887	0,454695858	
768	LRRASLDG	pyruvate kinase	0,668359335	0,111663762	
769	LRRASGG	pyruvate kinase	0,971159018	0,107046798	On
770	YHTTSHPGT	Band 3 anion transport protein	0,729242358	0,144512017	
771	SSEESITRI	Beta casein	0,597079472	0,133714458	
772	PLAGSPVIA	casein kinase II	0,687838753	0,10664235	
773	LGSPLRRL	vimentin	3,894639769	1,203547262	On
774	TEDQYSLVE	PI3-kinase p85-alpha	1,51588683	0,791945012	
775	TRTYSLGSA	vimentin	0,819024442	0,215671217	
776	PPSAYATVK	Annexin II	0,835726103	0,202276019	
777	RTKRSGSV	phosphorylase b kinase beta	2,083612725	0,357877605	On
778	KREASLDNQ	Phytochrome A	0,436447791	0,079378327	
779	LMDKYHVDN	Early E2A	0,579583618	0,180440817	
780	QQGMTVYGL	calponin alpha and beta	0,866707602	0,181954266	
781	SRSRSRSRS	Lamin B receptor	4,241327474	1,867484274	
782	KRNSSPPPS		1,381837558	0,194856144	On
783	LQRYSSDPT	EGF Receptor	0,581345713	0,150979953	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	1,157531261	0,203901577	On
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,658076067	0,098174201	
786	KRPSNRAKA	Myelin basic protein	1,652070866	0,154139628	On
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,654440274	0,170466061	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,486728835	0,160481024	
789	HKIKSGAEA	DNA polymerase beta	0,709881438	0,112840103	
790	LARRSTTDA	Choriogonadotropin beta	0,499316939	0,159719109	
791	PYKFPSSPLRIPGZ		0,439726346	0,041857517	
792	GGTGTPNKE	Actin and myosin binding protein	0,621534234	0,172876639	
793	ALGISYGRK	TAT protein	1,81755976	0,18881458	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,523894363	0,09335556	
795	EYVQTVKSS	Annexin I	0,551602821	0,1130895	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,68399581	0,151134562	
797	DSTYYKASK	Focal adhesion kinase	1,056968159	0,145642448	On
798	EKEISDDEA	Heat Shock Protein 90-beta	0,529352268	0,048954933	
799	RRADSLQKN	iron-responsive element binding protein	0,797032555	0,094203003	
800	SAYGSVKAY	Annexin II	0,749314795	0,087668826	
801	NTSSSPQPK	p53	0,678571369	0,136826979	
802	GSRRR	protamine	2,980015175	0,514583056	On
803	AKAKTTKKR	Myosin regulatory light chain 2	3,014601165	0,188195953	On
804	DDAYSDET	Protein phosphatase inhibitor 2	2,522000912	1,131722741	
805	ESVDYVPM	platelet-derived growth factor receptor	1,096889223	0,22704294	
806	YSTDYREG	TrkC tyrosine kinase	1,485210044	0,718950484	
807	SPKKSPRKA	Histone H4	2,060926025	0,168432662	On
808	RKRSRKA	Histone H2B	2,717833648	0,872622744	On
809	RPPASPSQ	synapsins IA and IB	0,726957295	0,252050971	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	1,07811204	0,100186249	On
811	NRQSSQARV	Phytochrome A	1,575370759	0,088488325	On
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,487486138	0,185249253	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	2,341631211	0,930639879	
814	TKKQSFQKT	cystic fibrosis transmembrane conductance regulator	1,251644129	0,068061649	On
815	VDSAYEVIK	L-lactate dehydrogenase M	1,220205898	0,423019754	
816	YRKSSLKSR	spermatid nuclear transition protein 3	2,412507437	0,274220184	On
817	SNVSSTGSI		0,784144385	0,166820157	
818	RARSRKE	Histone H2B	1,586575613	0,049201687	On
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,524227737	0,148911586	
820	QTVKSSKGG	Annexin I	1,01236382	0,116837626	On
821	LRMFSEKAP	Gamma-aminobutyric-acid receptor gamma-2	1,304017602	0,052958877	On
822	PRHLSNVSS		0,647259016	0,159996153	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	0,686143297	0,219903926	
824	THYGSLPQK	Myelin basic protein	1,040608102	0,123133792	On
825	LRRPSDQAV	Transforming protein rel	0,746569992	0,006828956	On
826	PRRNSRASL	Sodium channel protein type II alpha	0,598102417	0,108179762	
827	KAKTTKKRP	Myosin regulatory light chain 2	3,048942758	0,266652309	On
828	KRPSGRAKA	Myelin basic protein	2,742494625	0,091439342	On
829	PLSKTSLVSSL	Glycogen [starch] synthase	0,858469594	0,169633974	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	0,738167016	0,213342892	
831	KGATSDEED	DNA topoisomerase II	0,630711113	0,1867175	
832	KRRNSEFEI	tryptophan 5-monooxygenase	1,084003246	0,109638467	On
833	LTRRASFSAQ	Regulatory protein ADR1	1,874733648	0,574913909	
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,333671951	0,02178774	
835	LRRFSLATM	Cytochrome P450 2B1	0,906621726	0,153960802	
836	EEEAYGWMD	Gastrin	0,903365513	0,252332384	
837	EQESSGEED	Protein phosphatase inhibitor 2	0,602554125	0,044836351	
838	IAADSEAEQ	Insulin receptor substrate 7	0,502005515	0,089408271	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,353817653	0,067084311	

840	PYKFPSSPLRIPGZ		0,348605419	0,082611524	
841	GNGDYMPMS	Insulin receptor substrate 8	0,389872316	0,056905	
842	APRYPGGRR	Myelin basic protein	1,953123733	0,356167341	On
843	DGNKSPAPK	caldesmon	0,527322048	0,107625435	
844	FMTEYVATR	mitogen-activated protein kinase	0,449285641	0,070403189	
845	GRASSHSSQ	Lamin C	1,100066429	0,357274817	
846	EDSTYYKAS	Focal adhesion kinase	0,915593174	0,407523375	
847	ENPQYFRQG	TrkC tyrosine kinase	0,486348332	0,097740445	
848	RRPTPATVA	Protein phosphatase inhibitor 4	0,900781782	0,20698499	
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,50863957	0,030398413	
850	QEKESERLA	Beta-2 adrenergic receptor	0,419999291	0,053739764	
851	RRVSV	pyruvate kinase	1,362795025	0,066092688	On
852	APFTPGGRR	Myelin basic protein	1,368431424	0,242827117	On
853	DEKLSEILG	RNA polymerase alpha	0,497118362	0,137270694	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotransporter	0,421619509	0,103626828	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	1,245878801	0,590596191	
856	AVRRSDAA	Troponin I	0,630326971	0,112399048	
857	TKRSGSV	phosphorylase b kinase beta	0,935177732	0,053273682	On
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,429161323	0,107851566	
859	SEGDSSEGE	Serum response factor	0,619410557	0,036958079	
860	PLDRSSHAQ	Insulin Receptor (IR)	0,437636032	0,12666025	
861	RRASS	pyruvate kinase	1,27840479	0,287905938	
862	STPLSPTRI	Lamin A/C	1,001972577	0,267512614	
863	TPPLSPSRR	Myc proto-oncogene protein	1,828799282	0,497243052	On
864	VKRISGLIY	Histone H4	0,882082381	0,163671812	
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	1,58158043	0,174276744	On
866	SPRTPGGRR	Myelin basic protein	2,054681014	0,451394042	On
867	RRRRSVA	pyruvate kinase	3,430662285	0,488454219	On
868	VRFESIRLP	Choriogonadotropin beta	0,84062004	0,174866864	
869	SRKESYSVY	Histone H2B	0,66656852	0,146039036	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	2,70515441	0,395606074	On
871	PSPSSRVTV	Lamin B1	0,929022913	0,161029101	
872	SSVPTPSPL	casein kinase II	0,552081248	0,037110494	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	0,808284192	0,185604713	
874	LSRFSWGAE	Myelin basic protein	0,585141041	0,188125064	
875	PTKRSPTKR	Histone H2B.1	0,835829674	0,150929283	
876	KISASRKLQ	troponin I	2,222073851	0,406590731	On
877	KSFGSPNRI	cell division protein kinase 7	1,59157191	0,277680125	On
878	KRKQISVAGL	Glycogen phosphorylase	1,476686264	0,259965037	On
879	SQHSTPPKK	Large T antigen	0,661445361	0,147366056	
880	KKIDSFASN	acetyl-CoA carboxylase	0,949518392	0,377530335	
881	KTETSQVAP	Rhodopsin	0,447294333	0,17388954	
882	PAAPSPGSS	synapsins IA and IB	0,499844736	0,188377898	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,410532874	0,134952108	
884	MQLKSEIKQ	phosphorylase b kinase alpha	0,624611653	0,06862203	
885	EEQEYIKTV	Annexin I	0,824796628	0,22080728	
886	ERRPSNVSQ	Sodium channel protein type II alpha	0,442830732	0,135823001	
887	IPHPTVRT	Retinoblastoma-associated protein	1,034875901	0,34447537	
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,364924521	0,057320633	
889	PYKFPSSPLRIPGZ		0,305161698	0,089022357	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	1,211221964	0,343041666	
891	ARTKRSGSV	phosphorylase b kinase beta	1,734089892	0,208401654	On
892	DLPGETDFV	Beta-2 adrenergic receptor	0,789387274	0,249303544	
893	GALYSGSEG	Serum response factor	0,449240041	0,071197051	
894	GRVLTLP RS	Insulin Receptor (IR)	1,315249821	0,348675498	
895	EKESSNDS	muscarinic acetylcholine receptor M2	0,411103482	0,105078555	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,593826998	0,165874137	
897	RRRRSRRAS	Protamine Z	2,230453532	1,433511933	
898	SIYSSDDDE	Myb proto-oncogene protein	1,237916409	0,487834275	
899	HGYSLG	Lysozyme C	0,463220368	0,119611422	
900	AAASFKAQR		1,411824218	0,209236494	On
901	ARKFSSARP	Sodium channel protein	1,736157726	0,282876041	On
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	0,367337515	0,048282497	
903	FRKLSFTES		0,661080051	0,110710485	
904	RFHKSSKDS	myelin	0,555113949	0,076954914	
905	RAKRSGSV	phosphorylase b kinase beta	1,902824696	0,220592746	On
906	KSESSQK	40S ribosomal protein S6	0,736357705	0,203812887	
907	RRRLSDSNF	synapsins	0,545613286	0,042873655	
908	SGKTSPSSS	phosphorylcholine transferase	0,47664197	0,023345515	
909	KSRRTI	Interleukin-2 receptor alpha	0,942094635	0,220561588	
910	TAILE	Photosystem Q(B)	0,538663358	0,183188072	
911	SYPLSPLSD	Cytosolic phospholipase A2	0,829835589	0,272544064	
912	TRQASQAGP	synapsins IA and IB	0,604506522	0,103822708	
913	VRVYTHEVV	cell division control protein 2	0,482171927	0,082955668	
914	RENEYMPMA	Middle T antigen	0,479576043	0,021174957	
915	GRGLSLSR	Myelin basic protein	1,905670647	0,145976992	On
916	YIYGSFK		0,796255023	0,232082302	
917	VTRSSAVRL	vimentin	1,56624819	0,057446475	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	0,659720931	0,164054853	
919	PASPSPQRQ	synapsins IA and IB	0,586415439	0,143514479	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran:	0,467618002	0,176527964	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,520445912	0,079163421	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	1,334271304	0,145176945	On
923	PGGSTPVSS	casein kinase II	0,485129195	0,107421899	
924	QGTLKIFK	Myelin basic protein	1,511134502	0,407349864	
925	KKRLSVERI	DNA topoisomerase II alpha	1,812496215	0,424978093	On
926	KYRKSSLKS	spermatid nuclear transition protein 4	1,809362994	0,308428318	On
927	PLSRRLSVA	glycogen synthase	0,83446479	0,327173608	
928	SRLHSVRER	sucrose synthase 2	1,708673561	0,27995878	On
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	0,985416644	0,355306246	
930	LGGGTFDIS	Heat Shock Protein 70	0,635755232	0,171179191	
931	QHLKSVMLQ	Troponin I	0,701087949	0,146429776	
932	ISQESSEEE	high mobility group protein	0,487498989	0,0763806	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,400290549	0,153412025	
934	EHVSSSEES	Alpha-S2 casein	0,48062082	0,158430413	
935	ESMESYEVS	Matrix Gla-protein	0,918789621	0,284111389	
936	KQLASFEIY	Cystatin S	0,5656836	0,174313923	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,50908345	0,133740975	
938	PYKFPSSPLRIPGZ		0,503327979	0,131970006	
939	GSLKSRKRA	spermatid nuclear transition protein 1	1,879554873	0,527103989	On
940	AVRRSDRAY	Troponin I	1,075391817	0,214573921	
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	0,975010508	0,272078103	
942	GGGTSPVFP	Desmin	0,538911423	0,198536758	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,411443336	0,167531941	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,406575739	0,129448692	
945	ESHESLESY	Matrix Gla-protein	0,802962287	0,255550149	
946	RVLESFRAA	voltage-gated potassium channel	0,848257166	0,225849214	
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,450330612	0,117181758	
948	RRPSPA	pyruvate kinase	1,323590182	0,042908453	On
949	ADSFSLNDA	galectin-3	0,842655242	0,333231045	
950	ATSASPPQK	p53	0,771324518	0,174278588	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	0,985048846	0,413049621	

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,530124429	0,161365595	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,440370414	0,117683963	
954	ASGSFKL	Histone H1.1	0,497462517	0,177383121	
955	LRRGSLG	pyruvate kinase	1,382032567	0,214380971	On
956	RRSVSEAAL	hormone sensitive lipase	0,521906424	0,154720754	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	0,769182916	0,151340426	
958	RRASLG		1,39252669	0,389814995	
959	AAVDTSEI	Prothymosin	0,839104198	0,234845162	
960	TESQSLTLT	Beta casein	0,552757904	0,049718572	
961	TTRVTPLRT	Desmin	1,53351763	0,286322948	On
962	WTADSGEGD	Fibrinogen alpha	0,927240148	0,139723789	
963	RHRDTGILD	Myelin basic protein	0,589469261	0,17256417	
964	NRIYTHQVV	cell division protein kinase 7	1,216308027	0,203239867	On
965	LRKASLG	pyruvate kinase	0,676922799	0,10633447	
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,472550288	0,196697893	
967	SSEESIISQ	Alpha-S2 casein	0,762083206	0,147132092	
968	PKRGSKGKD	Myelin basic protein	0,756766581	0,158717425	
969	LGSALRRR	vimentin	5,027038537	0,633201819	On
970	TDESDNEI	lower matrix phosphoprotein	1,316686178	0,40583385	
971	TRSVSSSSY	vimentin	1,040065435	0,067861383	On
972	PPRRSSIRN	Neutrophil cytosol factor 7	2,835491271	0,780305435	On
973	RTKGSQSV	phosphorylase b kinase beta	1,462650948	0,101292566	On
974	KRAASPRKS	Histone H5	2,460686896	0,184271336	On
975	LMAPSEEDH	insulin-like growth factor binding protein 2	0,553889029	0,156057315	
976	QNPVYHNQP	EGF Receptor	0,894925313	0,053713529	On
977	SRSRSRSPG	Lamin B receptor	3,636814242	1,342574022	On
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	1,370506135	0,196787259	On
979	LQDDYEDMM	Band 3 anion transport protein	1,102623697	0,334438993	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,615134209	0,203739811	
981	GVLRRASVA	pyruvate kinase	1,650224999	0,353334981	On
982	KRPSLRAKA	Myelin basic protein	2,263018753	0,215210097	On
983	EASTTVSKT	Rhodopsin	0,75100953	0,175924077	
984	ELSNYIAMG	Insulin receptor substrate 9	0,562380463	0,140699086	
985	HHHATPSPP	Myb proto-oncogene protein	0,736593438	0,10621435	
986	KTETSQVAP	Rhodopsin	0,597509269	0,049463154	
987	PYKFPSSPLIPGZ		0,559983502	0,039624793	
988	GGSVTKKRK	Lamin C	2,301604596	0,236645674	On
989	AKRISGKMA	cell division control protein 2	1,619817687	0,13193433	On
990	DDPSYVNVQ	Adaptor molecule SHC	0,884034919	0,12645809	
991	EVEKSPVKS	neurofilament triplet M	0,770167221	0,13438559	
992	GKSSSYSKQ	Fibrinogen alpha	1,205079309	0,162287836	On
993	DSRSSLIRK	multidrug resistance protein 3	1,243261147	0,182604226	On
994	EKAKSPVPK	neurofilament triplet M	0,988148474	0,213600288	
995	RQRKSRTTI	Interleukin-2 receptor alpha	2,084776705	0,125548899	On
996	SAYATVKAY	Annexin II	0,820132684	0,068567039	
997	NTDGSTDYG	Lysozyme C	1,816099116	0,610298529	
998	KRTLRL	EGF Receptor	2,04158727	0,094322451	On
999	AGPTSARDG	RNA polymerase alpha	0,516359369	0,163203038	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	0,651018241	0,218621115	
1001	ESSYSYEEI	RNA polymerase alpha	1,121562146	0,54220084	
1002	YSLGSALRP	vimentin	0,888594568	0,250648818	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,798659632	0,173335096	
1004	RKRRAE	Histone H2B	1,447431503	0,115962533	On
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,728320045	0,120625524	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,782245412	0,273259183	
1007	NRQLSSGVS	Heat Shock Protein 28	0,687382123	0,187155419	

1008	VGPDS	p53	0,586671489	0,116310101	
1009	SSSESGAPE	Clathrin light chain B	0,711212918	0,162302935	
1010	TKHIYNLA	Mast/stem cell growth factor receptor	0,618192922	0,185394044	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,684123945	0,347777188	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	0,799639291	0,193308857	
1013	SNQEYLDLS	Receptor tyrosine kinase	0,942061952	0,364595644	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,751779386	0,16721409	
1015	VGFMTYVA	mitogen-activated protein kinase 1	0,686842147	0,233951859	
1016	QTASSPLSP	Lamin	0,652223093	0,146186895	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	1,018314235	0,256306594	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,692755192	0,148017127	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,765553892	0,235397525	
1020	THVASVSDV	acetyl-CoA carboxylase	0,670910976	0,128969177	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	2,083369461	0,406961046	On
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	0,810112019	0,104475242	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	0,759629353	0,284940714	
1024	KRPSFRAKA	Myelin basic protein	2,997855974	0,105868486	On
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	0,738273071	0,242611904	
1026	QRYSSDPTG	EGF Receptor	0,657205364	0,111391566	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,750456369	0,17869476	
1028	KRRLSFSET	Interleukin-1 alpha	1,439496275	0,398292904	
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	4,002420976	0,47598155	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,496265047	0,104137103	
1031	LNRMSFASN	acetyl-CoA carboxylase	0,65941784	0,063233412	
1032	EEDTYTMPS	Focal adhesion kinase	0,759427107	0,093577728	
1033	EQEYEDPD	Band 3 anion transport protein	0,752401331	0,203710504	
1034	HVSSSEESI	Alpha-S2 casein	0,476346453	0,182245746	
1035	METPSQRRR	Lamin C	0,736309866	0,342771922	
1036	PYKFPSSPLRIPGZ		0,530561179	0,197290129	
1037	GNFNYVEFT	Myosin regulatory light chain 2	0,882951594	0,330745714	
1038	APRTPGGRR	Myelin basic protein	2,165442916	0,135939024	On
1039	DGNGYISAA	Calmodulin	0,686529819	0,144836201	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,573234879	0,146465335	
1041	GRALSTRAQ	Troponin I	1,338661664	0,140681112	On
1042	EDRMSLVNS	Cystatin S	0,498075256	0,195228475	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	0,849969389	0,353432572	
1044	RRLSSLRAS	40S ribosomal protein S6	1,745826336	0,363740273	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	2,068264145	1,14534628	
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,580126941	0,059962382	
1047	RRPSV	pyruvate kinase	1,238273507	0,060588481	On
1048	APETPGGRR	Myelin basic protein	0,913813099	0,185564085	
1049	DEEMSETAD	Protein phosphatase inhibitor 2	0,607882076	0,151857381	
1050	FFSSSESGA	Clathrin light chain B	0,645795058	0,271939146	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,544095862	0,224964251	
1052	APTPGGRR	Myelin basic protein	1,232708234	0,421387591	
1053	STNDSPL	Beta-2 adrenergic receptor	0,576364376	0,18394132	
1054	RRKASGPPV	Histone H1.1	1,050522298	0,167627176	On
1055	SEENSKKTV	Alpha-S2 casein	0,668661172	0,12136238	
1056	PASPSPQRQ	synapsins IA and IB	0,693684389	0,163520442	
1057	RRASR	pyruvate kinase	2,138452206	0,284058725	On
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,658088256	0,164177797	
1059	TPPLSPIDM	Transcription factor AP-5	0,558611549	0,154208566	
1060	VKGATSDEE	DNA topoisomerase II	0,541466827	0,180091299	
1061	QRATSNVFA	Myosin regulatory light chain 5	0,607096982	0,115114195	
1062	SPRKSPRKS	Histone H6	2,101696651	0,27747126	On
1063	RRRASVA	pyruvate kinase	1,618667052	0,377284148	On

1064	VTPSPGLP	casein kinase II	0,590530713	0,080231761	
1065	SRKDSLDD	alpha-1B adrenergic receptor	0,712680366	0,188652707	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,530932343	0,199088421	
1067	PSPKYPGPQ	Chromogranin A	0,517024408	0,22694308	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,576307515	0,131593275	
1069	TLSDSDD	N-myc proto-oncogene protein	0,929138647	0,246540347	
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,626994436	0,113625372	
1071	PTKRSPQKG	Histone H2B.1	0,565055525	0,174269379	
1072	KIQASFRGH	neurogranin	2,262752517	0,303389447	On
1073	KRSNSVDTS	Glycogen [starch] synthase	0,979078112	0,34398924	
1074	KRKQISGRGL	Glycogen phosphorylase	0,894144042	0,157352244	
1075	SQESSEEEQ	high mobility group protein	0,615091977	0,122395625	
1076	KKDVTVPKA	Histone H1	1,394441784	0,361395294	
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	1,449885201	0,28989765	On
1078	LYSGSEGDS	Serum response factor	0,849293985	0,281417957	
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,577580913	0,205078359	
1080	MPGETPPLS	Transcription factor AP-3	0,612642445	0,185465031	
1081	EETVYEAEP	Hematopoietic cell-specific LYN substrate	1,153204803	0,375570704	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,706699579	0,245693143	
1083	INETSQHHD	vimentin	0,543352797	0,108961837	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,505164853	0,150678472	
1085	PYKFPSSPLRIPGZ		0,481784842	0,21197639	
1086	GRNASTNDS	Beta-2 adrenergic receptor	0,541866465	0,272324288	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	1,133982173	0,130798463	On
1088	DLTSPDVG	Transcription factor AP-4	0,642704488	0,157170338	
1089	GAGNSLRTA	Lamin C	0,79477239	0,1746275	
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	0,662058188	0,190671848	
1091	EEHVYSFPN	Paxillin	0,539569662	0,181218613	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	0,60726685	0,161886854	
1093	RRRRAASVA	pyruvate kinase	2,505629075	0,192401729	On
1094	SIRDTPAKN	Nucleophosmin	0,640560286	0,204211239	
1095	GGYSLG	Lysozyme C	0,626336559	0,208602681	
1096	AAASFKAKK		1,234933348	0,309979567	
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	0,64779595	0,253581316	
1098	DKEVSDDEA	HSP90-alpha	0,646346631	0,149415094	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	1,814809189	0,38314465	On
1100	RFFGSDRGA	Myelin basic protein	1,131657914	0,150343829	On
1101	PRTPGGRR	Myelin basic protein	0,866960256	0,037733485	On
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	0,952048337	0,522576778	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	1,191308171	0,093183005	On
1104	SGDTPRHL	Microtubule-associated protein tau	0,541046921	0,1111138724	
1105	KQITVR	Glycogen phosphorylase	1,379862339	0,480386461	
1106	SSKRA	Myosin regulatory light chain 2	1,461128056	0,397377965	
1107	SVSSSYRR	vimentin	2,628605807	0,541244437	On
1108	TRQASISGP	synapsins	0,883007534	0,089032795	On
1109	VRTYTHEVV	Cell division protein kinase 2	0,719646391	0,121606594	
1110	REILSRRPS	cAMP response element binding protein	2,226624298	0,664734792	On
1111	GASGSFKL	Histone H1.1	0,723486581	0,028988648	
1112	VRRSDRA	Troponin I	1,092839721	0,080172772	On
1113	VTRRTLSDM	6-phosphofructokinase	1,179916651	0,179601864	On
1114	SRRGSESE	phosphoprotein phosphatase 1, 3a	0,942980357	0,114077251	On
1115	PASAYGSVK	Annexin II	0,691082003	0,136503244	
1116	PWQVSLRTR	Plasminogen	0,615572398	0,097768381	
1117	STSRSLYSS	vimentin	1,492322401	0,459995595	
1118	TRGGSLERS	alpha-1B adrenergic receptor	0,790464617	0,11916075	
1119	PFKLSGLSF	MARCKS-related protein	0,491477375	0,085631977	

1120	QEQEYVQAV	Annexin I	0,566774346	0,177390675	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,249163503	0,659850115	On
1122	KYLASASTM	Myelin basic protein	0,874052944	0,182282723	
1123	PRRVSRRRR	Protamine YII	0,573563469	0,138541636	
1124	SRKRSGEAT	6-phosphofructokinase	0,655773182	0,048585694	
1125	KMKDSDSEE	Calmodulin	0,492976234	0,155915372	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,465695842	0,120310497	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	0,516877787	0,109067134	
1128	ISITSRKAQ	GTP-binding protein era	0,786772386	0,166612391	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	0,573822528	0,159332203	
1130	EHIPYTHMN	Insulin Receptor (IR)	0,694344777	0,196975143	
1131	ESMESYELN	Matrix Gla-protein	1,087157901	0,138076316	On
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	4,089246603	2,697219813	
1133	NKQGYKARQ	Protein kinase C delta	1,247246664	0,225089587	On
1134	PYKFPSSPLRIPGZ		0,610486078	0,20794053	
1135	GSQTSSRPS	vimentin	0,760646594	0,117813583	
1136	AVMVSHYIH	Prolactin	1,261146152	0,245901182	On
1137	DPPGTESFV	Beta-2 adrenergic receptor	0,892191285	0,215013645	
1138	GFKRSYEEH	Insulin Receptor (IR)	0,725028857	0,240344848	
1139	GSRRRRRRY	protamine	2,794933727	1,312760185	
1140	EFPLSPPKK	stathmin	0,8141203	0,2377651	
1141	ESEKTKTKE	myosin II heavy chain	0,626184511	0,2057729	
1142	RSSMSGLHL	acetyl-CoA carboxylase	0,887032709	0,153350681	
1143	SLVNSRAQE	Cystatin S	0,5706386	0,100462434	
1144	RRATVA	pyruvate kinase	1,408687277	0,158772608	On
1145	ADSFSLHDA	galectin-3	0,776473873	0,181704515	
1146	ATRRSYVSS	glial fibrillary acidic protein	1,66022607	0,212824906	On
1147	DNIDSQGRN	Beta-2 adrenergic receptor	0,556991249	0,153749752	
1148	GDSSEGEES	Serum response factor	0,814400881	0,127356939	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	1,367384327	0,289155464	On
1150	AKRSRKE	Histone H2B	1,071178994	0,319703231	
1151	LRRATLG	pyruvate kinase	1,618649224	0,264807284	On
1152	RRSSSVGYI	Acetylcholine receptor protein delta	1,612511317	0,282122661	On
1153	SKVTSKAGS		1,018802841	0,182561032	
1154	RGYSLG	Lysozyme C	0,937244515	0,155038964	
1155	AARTPGGRR	Myelin basic protein	1,760275541	0,145903112	On
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	0,596872132	0,060419423	
1157	TTRRSASKT	Fibrinogen alpha	1,627838896	0,125713648	On
1158	WLTKTPEGN	Actin and myosin binding protein	0,641842726	0,131318956	
1159	RGRSSVYSA	myosin heavy chain	1,0113088	0,523037898	
1160	RKRTLRRRL	EGF Receptor	2,125060727	0,23480531	On
1161	LRHASLG	pyruvate kinase	0,697698557	0,161731552	
1162	YNGYSSNS	Beta-2 adrenergic receptor	0,813484889	0,099366417	
1163	SRTPSLPTP	Microtubule-associated protein tau	0,592708468	0,098198127	
1164	PKKGSKKAV	Histone H2B	0,746602519	0,100651355	
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	0,747317575	0,283943769	
1166	TDDGYMPMS	Insulin receptor substrate 10	0,718205695	0,138611896	
1167	TRRLTGFLP	Glycogen phosphorylase	1,221362948	0,216630439	On
1168	PPEKTEEEE	somatostatin receptor type 5	0,683621207	0,146590089	
1169	RTGRSGSV	phosphorylase b kinase beta	2,255280579	0,674305071	On
1170	KQSPSSSPT	phosphorylcholine transferase	0,679011873	0,184880052	
1171	LLRPSRRVR	somatostatin receptor type 6	2,462024836	1,104070137	
1172	QMALTPVVV	cell division protein kinase 4	0,64341554	0,110113916	
1173	SRSRSPGRP	Lamin B receptor	2,72883091	0,748781168	On
1174	KRKRSRKES	Histone H2B	2,563166764	1,008132272	
1175	LQAISPKQS	phosphorylcholine transferase	0,839994658	0,264034625	

1176	QRRRSLEPP	Proto-oncogene tyrosine-protein kinase Src	0,683627518	0,105162622	
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Suppl. Table 2. Average densitometry values for all substrates on the arrays for ST-HSC and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYDPM	platelet-derived growth factor receptor	0,856907	0,285544208	
2	KRPSVRAKA	Myelin basic protein	1,775715448	0,317791881	On
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	0,738135754	0,301614699	
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	0,425969923	0,074611084	
5	HRLLTLDPV	Interleukin-1 receptor	0,578388917	0,273326623	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,507493074	0,124838415	
7	PYKFPSSPLRIPGZ		0,575277424	0,140976264	
8	GKRQTEREK	Troponin T	0,639104102	0,128352936	
9	APATSPKAE	neuromodulin (GAP43)	0,557779929	0,134344916	
10	DEESEQGA	tubulin	0,630375928	0,186532553	
11	FFRRSKIAV	glutamate receptor 2	0,864973469	0,247871286	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,666490598	0,09767715	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,536384444	0,195986651	
14	ELILSPRSK	stathmin	0,781675077	0,109646387	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,378408852	0,148724329	
16	SEDNSEDEI	acetyl-CoA carboxylase	0,816319182	0,294116943	
17	PASLSRAKA	phosphorylcholine transferase	0,963307752	0,089795285	On
18	RRASL	pyruvate kinase	1,481220651	0,243445216	On
19	AKKMSTYNV	myosin heavy chain	1,380593036	0,658117882	
20	DDINSYEAW	Coagulation factor IX	1,067159691	0,397497253	
21	ETRFDTDRK	elongation factor 2	0,818429007	0,124089792	
22	QLSTSEENS	Alpha-S2 casein	0,380017338	0,093884165	
23	SPRKSPKKS	Histone H1	1,453682315	0,020898541	On
24	RRKASGP	Histone H1.1	1,181219092	0,115070801	On
25	RQLRSPRRT	ras-related protein Rab-4A	1,986064042	0,319398247	On
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,62385417	0,137639273	
27	RTPPPSG	Myelin basic protein	0,663251855	0,220355864	
28	LRRAS	Red cell/liver pyruvate kinase	1,193168639	0,161006959	On
29	SSTGSIDMV	Microtubule-associated protein tau	0,454213591	0,065423139	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	1,916651997	0,281497301	On
31	VGAFSTVKG	rhodopsin kinase	0,907531339	0,282787749	
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,564963858	0,212187469	
33	SPGEYVNI	Insulin receptor substrate 1	0,636836903	0,25747562	
34	RKRSAKE	Histone H2B	1,316087486	0,260480872	On
35	VINETSQHH	vimentin	0,535345363	0,229901243	
36	SPVVSGDTS	Microtubule-associated protein tau	0,476206979	0,107073334	
37	LRRFSLATM	Cytochrome P450 2B1	1,534354169	0,100946616	On
38	PRPASVPPS	Glycogen [starch] synthase	0,695991683	0,148863003	
39	SSRPSSNRS	vimentin	1,312824406	0,205948771	On
40	TKFASDDEH	Lupus La protein	0,558773967	0,24726636	
41	LSDDSFIED	DNA topoisomerase II	1,033953489	0,279702728	
42	PSPKTPPGS	Microtubule-associated protein tau	0,693371328	0,387723739	
43	KDIGSESTE	Alpha-S1 casein	0,554194299	0,127273243	
44	KRRGSVPIL	erythrocyte protein 4.2	2,155586862	0,167456471	On
45	KRAKAKAKKR	Myosin regulatory light chain 2	3,284997745	0,944286708	On
46	QSYSSQRV	Desmin	0,625564565	0,183467684	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	0,94123329	0,273119185	
48	KRSLSEMEI	Serum response factor	0,677858485	0,292703934	
49	KRKQGSVRGL	Glycogen phosphorylase	1,914350273	0,079542758	On
50	HTRDSEAQR	erythrocyte band 7	0,508022171	0,063949044	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,536956181	0,187542201	
52	EEGISQESS	high mobility group protein	0,540617325	0,145722776	
53	EQQQTEDEL	Beta casein	0,546423464	0,140624819	
54	IGEGTYGVV	Cell division protein kinase 2	0,559018983	0,130238846	
55	MMPYVVTR	Stress-activated protein kinase JNK1	0,724574229	0,087549162	

56	PYKFPSSPLRIPGZ		0,6773066	0,155403401	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,636782179	0,145300091	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,413620074	0,114499648	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	0,7731299	0,053537557	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,620792266	0,140086665	
61	GRLSSMAMI	myosin light chain kinase	0,588656429	0,092704755	
62	EEDLSDENI	transcription factor BAF1	0,658727718	0,078328367	
63	EPGPYAQPS	Proto-oncogene C-crk	0,630863698	0,0832615	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,686514124	0,076356606	
65	SGADYPDEL	Trypsin I	0,781965398	0,084527733	
66	KQISVR	Glycogen phosphorylase	1,568078354	0,705315242	
67	SLKDH	L-lactate dehydrogenase M	0,531727753	0,117021179	
68	APRTAGGRR	Myelin basic protein	1,866883479	0,581890235	
69	DGHEYIYVD	platelet-derived growth factor receptor	0,621508229	0,092984751	
70	FKRSYEEHI	Insulin Receptor (IR)	0,682343303	0,057565446	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	1,153257846	0,165131167	On
72	DRVYVHPF	Angiotensinogen	0,62162999	0,192649884	
73	VRRSDAA	Troponin I	0,536955395	0,121995308	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	0,872601614	0,201014157	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,614373603	0,087426152	
76	PRRASATSS	Glycogen [starch] synthase	0,943610807	0,194153571	
77	RRLSI	phosphorylase b kinase alpha	1,444173355	0,502462015	
78	STLSLSPFYL	Alpha crystallin B	0,666266609	0,214220804	
79	TRDIYETDY	Insulin Receptor (IR)	1,203512686	0,510722172	
80	VPTLSTFRT	Desmin	0,70834714	0,075446864	
81	RASTSKSES	40S ribosomal protein S6	0,569589573	0,130063465	
82	SPSSSPTHE	phosphorylcholine transferase	0,549908709	0,096831966	
83	STNDSL	Beta-2 adrenergic receptor	0,52108088	0,099927862	
84	VRTFTHEVV	Cell division protein kinase 2	0,579807559	0,178293686	
85	SRKMSVQEY	phosducin	0,709781804	0,251499252	
86	LSGLSFKRN	MARCKS-related protein	1,577882809	0,442257407	
87	PTGTTQQRK	Kinesin-related motor protein Eg5	0,562111031	0,107549286	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	1,267232046	0,38161223	
89	TPPKSPSSA	Microtubule-associated protein tau	0,494876883	0,092855872	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,5069906	0,095866991	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,527413653	0,038291393	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,745971654	0,281333886	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	1,28304071	0,288669901	
94	LSVSSLPGL	Glycogen [starch] synthase	0,579807638	0,115080132	
95	SRHSSPHQS	Glycogen [starch] synthase	0,593231518	0,112864066	
96	KKPPTPPPE	Large T antigen	0,871428925	0,415135055	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,190929971	0,474523815	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,640122728	0,120036626	
99	ILDTTGQEE	K-Ras	0,714562113	0,103682656	
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,614808485	0,106152668	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,396636227	0,028775138	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,477626336	0,04961254	
103	IRRASTIEM	Cardiac phospholamban	0,748581075	0,049432576	
104	NFDDYMKSL	Fatty acid-binding protein	0,716099654	0,049417524	
105	PYKFPSSPLRIPGZ		0,66123646	0,077472254	
106	GRTGRRNSI		2,741120693	0,389304724	On
107	ATPIYLDIL	TrkC tyrosine kinase	0,934478823	0,171600856	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,49962506	0,039418418	
109	GDRFTDEEV	Myosin regulatory light chain 2	0,887551953	0,133802713	
110	GSGSSVTSR	Desmin	0,738851004	0,148200633	
111	EEPQYEEIP	Middle T antigen	1,087673649	0,166048968	On

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	0,843561038	0,332640102	
113	RRSSSRPIR	Protamine YI	2,246508294	0,086060938	On
114	SKIGSTENL	Microtubule-associated protein tau	0,518961868	0,021266222	
115	NDMTSL	Tropomyosin 1 alpha	0,444094648	0,001471733	
116	AARLSLTDP	platelet glycoprotein IB	0,398162817	0,037020398	
117	ARRSTTDAG	Choriogonadotropin beta	0,509773662	0,058085954	
118	DLKDTKYKL	myosin II heavy chain	0,489459885	0,119743053	
119	GAFSTVKGV	rhodopsin kinase	0,839632375	0,245284861	
120	RGRASSHSS	Lamin A/C	1,200860987	0,265241109	
121	RKRSRAEF	Histone H2B	0,826407925	0,015038505	On
122	LRAASLG	Red cell/liver pyruvate kinase	0,750955164	0,027695185	On
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	1,245364692	0,243726868	On
124	SIDEYFSEQ	Interferon receptor	0,8698722	0,111154809	
125	EESESD	synaptic vesicle amine transporter	0,892690124	0,019596164	On
126	RRRS	Troponin I	2,2321826	0,381069379	On
127	TAYGTRRHL	calponin alpha and beta	1,750436144	0,219037649	On
128	TRRISQTSQ	ryanodine receptor	1,076612435	0,070621762	On
129	VTPRTPPPS	Myelin basic protein	0,550934473	0,048742061	
130	REVSSLKSK	myosin heavy chain	0,830035542	0,073879634	
131	PEETQTQD	HSP90-alpha	0,747496668	0,101235144	
132	KKQISVR	Glycogen phosphorylase	1,776027465	0,258814882	On
133	WLTKSPDGN	caldesmon	0,627292814	0,102013663	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	1,960141684	0,405949892	On
135	PETVYEVAG	Cortactin	1,129704115	0,389020923	
136	QEPGSGPPE	somatostatin receptor type 3	0,407197482	0,029826944	
137	SVSSSPIKE	transcriptional factor SWI5	0,427125391	0,069743992	
138	TRLHSLRER	Sucrose synthase 1	1,542937063	0,275859642	On
139	PKEVYDVML	TrkC tyrosine kinase	0,675471068	0,181465704	
140	PRTPGGRR	Myelin basic protein	2,309114589	0,655024954	On
141	KLSPSPSSR	Lamin B1	1,349358073	0,214717889	On
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	1,38561053	0,414805308	
143	QASSTPLSP	Lamin A/C	0,46887469	0,035181852	
144	SRRDSLFP	Sodium channel protein type II alpha	0,61085056	0,070349961	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	0,586019798	0,044268615	
146	LLQDSVDFS	vimentin	0,554447924	0,098616974	
147	QLSTSEENS	Alpha-S2 casein	0,48854329	0,080209922	
148	KIQASFRGH	neurogranin	2,207833061	0,410589133	On
149	NKGASQAGM	calponin alpha and beta	0,876284883	0,171242566	
150	EIVESLSSS	Beta casein	0,670224112	0,025055133	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,707812706	0,161598162	
152	KRPSKRAKA	Myelin basic protein	1,435215898	0,076053833	On
153	NRAITARRQ	Troponin I	1,323140021	0,159691695	On
154	PYKFPSSPLRIPGZ		0,627126678	0,021952225	
155	GSRPSESNG	Lens fiber major intrinsic protein	0,653938927	0,09687002	
156	DAHKSKRQH	transcription factor BAF1	0,934590472	0,115892853	On
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	1,392401816	0,749077454	
158	GGRDSRSGS	Myelin basic protein	0,722723572	0,047011809	
159	GVERSVRPT	phosphorylase b kinase alpha	0,823102038	0,077716954	
160	EGVKSDQAE	neurofilament triplet M	0,719645472	0,169314335	
161	ESLSSSEES	Beta casein	0,716980135	0,088969241	
162	RVRMSADAM	Troponin I	0,495563258	0,096480599	
163	SNPTYSVMR	Middle T antigen	1,174185339	0,245617546	
164	SSKRAK	Myosin regulatory light chain 2	1,340508538	0,405883457	
165	AGDGSDEEV	myosin heavy chain	0,770158616	0,091782665	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,693964143	0,112091079	
167	DPLLTFRFP	Lamin A/C	0,690500364	0,053489949	

168	GENIYIRHS	erythrocyte protein 4.1	0,954108676	0,156747487	
169	RLSPSPTSQ	Lamin C	0,622321282	0,158717094	
170	RKESYSV	Histone H2B	0,683576358	0,134970519	
171	PLSRTL	Glycogen [starch] synthase	0,636536865	0,062330758	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	0,884770423	0,143070246	
173	SLSSSEESI	Beta casein	0,987865851	0,289868946	
174	LRRASLAG	Red cell/liver pyruvate kinase	1,461913253	0,583613111	
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	1,381983081	0,7220706	
176	THERSPSPS	phosphorylcholine transferase	0,662732454	0,100993879	
177	TVTRSRSV	Lamin A/C	2,041834956	0,929935308	
178	YETDYRKG	Insulin Receptor (IR)	1,124344439	0,344747726	
179	RKQISVRGL	Glycogen phosphorylase	1,563529373	0,514501709	
180	AGTTYAL	myosin heavy chain IA (fragment)	0,657877668	0,114190272	
181	LRRASVA	pyruvate kinase	1,354609835	0,473111077	
182	YRGYSLGNW	Lysozyme C	0,744363759	0,082538859	
183	SSLKSRKRA	spermatid nuclear transition protein 1	2,040132646	0,787278522	
184	PMRRSVSEA	hormone sensitive lipase	0,704057001	0,069177112	
185	RSKRSGSV	phosphorylase b kinase beta	2,308254654	0,741224035	On
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,74081616	0,002127214	On
187	TTPLSPTRL	Lamin B2	1,089953191	0,24505564	
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,751206389	0,038981606	
189	VKRGISGL	Histone H4	1,384105375	0,340851677	
190	KRKQISVRG	Glycogen phosphorylase	2,113285511	0,732723086	
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	0,578042605	0,065186222	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	0,842632759	0,116816768	
193	SRTLVSSSL	Glycogen [starch] synthase	0,925444117	0,072311085	On
194	KRPSEKA	Myelin basic protein	2,160264612	0,060573848	On
195	LRGRSFMNN	6-phosphofructokinase	1,371832413	0,204483141	On
196	QRVSSYRRT	Desmin	2,299971825	0,797606373	
197	HDLSEMFN	Prolactin	0,471657022	0,114390212	
198	KRPSRAKA	Myelin basic protein	1,952993653	0,078045483	On
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	1,301154554	0,348449532	
200	ENAPSSTSS	DNA topoisomerase II	0,498238454	0,099645143	
201	HMRSSMSGL	acetyl-CoA carboxylase	0,778162138	0,31930755	
202	LDRSSHAQR	Insulin Receptor (IR)	0,568853378	0,251296419	
203	PYKFPSSPLRIPGZ		0,589335088	0,247155599	
204	GKEIYNTIR	Ras p21 activator protein	0,486086032	0,14338893	
205	APATPGGRR	Myelin basic protein	1,526894247	0,12581455	On
206	DEEESSEAK	elongation factor 1-beta	0,641934371	0,153082761	
207	FFKKSIST	glutamate receptor 6	1,474414895	0,790157993	
208	GMGTSVERA	pyruvate dehydrogenase E1	0,567343048	0,202662552	
209	DYDSSDIED	cactus	1,775459488	0,648291312	
210	EKRASQAF	stathmin	0,722129133	0,184281705	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,437232131	0,097017377	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,558656944	0,144686556	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	0,755881802	0,191554903	
214	RRASI	pyruvate kinase	1,643270897	0,203254523	On
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,506805697	0,209711643	
216	DDEMTGYVA	Mitogen-activated protein kinase p38	0,702115338	0,293993121	
217	ETDYRKG	Insulin Receptor (IR)	0,665768219	0,217873813	
218	YVTTSTRTY	vimentin	0,736005456	0,082215407	
219	SPQPSRRGS	protein phosphatase 1	1,676964955	0,089763933	On
220	RRAASVA	pyruvate kinase	1,183065922	0,139709248	On
221	RPSENGQP	Lens fiber major intrinsic protein	0,384094448	0,105753814	
222	SASTTPVKK	Histone H1	0,841670008	0,134935962	
223	NSYGSRRG	iron-responsive element binding protein	1,756374659	0,259346092	On

224	LRRASL	pyruvate kinase	1,064659426	0,183191197	
225	SSTDSADSG	Early E1A	0,543545968	0,085468658	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	0,745006161	0,173481772	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,721105578	0,194039013	
228	YSFTTTAER	Actin	0,409523036	0,094433643	
229	SPFKYQSLL	Beta-2 adrenergic receptor	0,506692639	0,134473015	
230	RKRSAAE	Histone H2B	0,881906468	0,194662648	
231	VIKRSPRKR	transcriptional factor SWI6	2,389070241	0,094445992	On
232	SPVKSPEAK	neurofilament triplet M	0,608472358	0,124740139	
233	LRRASVAQL	pyruvate kinase	1,702236557	0,282355923	On
234	PRMPSLSVP	Sodium channel protein	0,539026233	0,12184807	
235	SSPVYQDAV	Cortactin	0,675150165	0,238082776	
236	TKDITYDALH	T-cell surface glycoprotein CD3 zeta	0,545393153	0,212635426	
237	LRSPSWEPF	Heat Shock Protein 26	0,620519227	0,280164647	
238	PSLPTPPTR	Microtubule-associated protein tau	0,986153655	0,158150763	
239	KASASPRRK	Histone H3	2,357534923	0,155458214	On
240	KRRDYDLDA	Probable receptor with tyrosine-protein kinase activity	0,635048103	0,132289954	
241	PAPAVRASDRA	Troponin I	0,544984414	0,173098634	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,511583419	0,155754256	
243	KGQESFKKQ	Nucleophosmin	1,235868011	0,199050543	On
244	KRSGSVYEP	phosphorylase b kinase beta	1,089268561	0,391250182	
245	KRAQISVRGL	Glycogen phosphorylase	2,056118284	0,418437772	On
246	HSSQSQGGG	Lamin C	0,604527206	0,247909313	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	0,83648928	0,257606355	
248	EEESSYSYE	RNA polymerase alpha	2,489571463	0,996812462	
249	EQPGSDEDED	Ornithine decarboxylase	0,721252298	0,094122819	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,504372345	0,076489122	
251	MLDHSESTK	myelin	0,480916045	0,151812593	
252	PYKFPSSPLRIPGZ		0,40022438	0,089117323	
253	GPRTTRAQG	cGMP-dependent protein kinase (PKG)	1,384832413	0,123105957	On
254	AQDTYLVLD	Erythropoietin Receptor	0,766383091	0,292397144	
255	DIPESQMEE	Band 3 anion transport protein	0,692405315	0,123486976	
256	FPRASFGSR	Desmin	1,26165839	0,108209928	On
257	GRKASGSSP	myosin light chain kinase	0,969563137	0,122938649	On
258	EDVGSDEEE	HSP90-alpha	0,79964436	0,224800273	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	0,570644332	0,175038037	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	0,727539136	0,149394201	
261	SFTTTAERE	Actin	0,569995039	0,198938281	
262	PLSRTL	glycogen synthase	0,597697576	0,171983231	
263	SGRGK	Histone H4	0,995892186	0,187318793	
264	APRSPGGRR	Myelin basic protein	1,969230406	0,228097413	On
265	DGERYDEDE	Glycogen [starch] synthase	0,801053715	0,1111703089	
266	FKRPTLRRV	troponin I	2,023413641	0,129947562	On
267	REAEYEPET	Cortactin	0,800147506	0,344208734	
268	DRVYIHPF	Angiotensinogen	0,625869899	0,196173673	
269	VRRISGL	Histone H4	1,476074086	0,184672178	On
270	RRKGTDVNV	Annexin I	0,911645367	0,197682156	
271	SETKTEEEE	DNA topoisomerase II	0,60567191	0,198957483	
272	PQRATSNVF	Myosin regulatory light chain 2	0,632410678	0,122265044	
273	RRGSV	pyruvate kinase or palladin	1,393750962	0,131534312	On
274	STSKSESSQ	40S ribosomal protein S6	0,558557867	0,218936099	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	1,475964388	0,135031684	On
276	VPRTPGGRR	Myelin basic protein	2,323571122	0,216207463	On
277	RASSRSVR	Lamin B0	2,413915956	0,686064194	On
278	SPSSSPASL	phosphorylcholine transferase	0,534260269	0,147046046	
279	RVYVHPF		0,902007568	0,051583076	On

280	VRRVSDDDR	Tyrosine 3-monooxygenase	0,423714117	0,063545226	
281	SRKMSIQEY	phosducin	0,747553532	0,273920559	
282	LSGFSEKKS	myristolated alanine-rich C-kinase substrate	1,442652712	0,403229086	
283	PSSTSSSSI	DNA topoisomerase II	0,642070452	0,138247394	
284	STGIYEAL	Alpha enolase	1,20484308	0,179802733	On
285	TPPKSPSAS	Microtubule-associated protein tau	0,502287225	0,09013395	
286	LYSSSPGGA	vimentin	0,494313667	0,145923057	
287	PVPKSPVEE	neurofilament triplet M	0,446873127	0,136112951	
288	KKASFKAKK		2,938030885	0,926194349	On
289	KSPAKTPVK	Actin and myosin binding protein	1,69938565	0,467082503	On
290	PLSKTSLVSS	Glycogen [starch] synthase	0,594392611	0,118421681	
291	SRGKSSSYS	Fibrinogen alpha	1,156631853	0,164519707	On
292	KKLGSKKPQ	Sodium channel protein type II alpha	1,872871514	0,891454629	
293	KTASTRKY	cystic fibrosis transmembrane conductance regulator	2,508654977	0,369785599	On
294	PRRTRRAS	Protamine YII	0,647479179	0,118858209	
295	IHQRSRRL	Neutrophil cytosol factor 2	1,238263235	0,483315219	
296	NDALSGSGN	galectin-3	0,468553049	0,079731833	
297	EETQTQDQP	HSP90-alpha	0,367822839	0,107605016	
298	ERSQSRKDS	alpha-1B adrenergic receptor	0,427200289	0,144408375	
299	IRQASQAGP	synapsins	0,460248169	0,089016439	
300	NFDDYMKEV	Fatty acid-binding protein	0,431065605	0,099475114	
301	PYKFPSSPLRIPGZ		0,522048396	0,074698956	
302	GRRQSLIQD	tyrosine 3-monooxygenase	0,556947836	0,011824769	
303	ASFEYTILD	Erythropoietin Receptor	0,770485734	0,085620077	
304	DLSTYASIN	Insulin receptor substrate 2	0,511099095	0,102553999	
305	GDNDYIPL	platelet-derived growth factor receptor	0,766706757	0,135395503	
306	GSESTEDQA	Alpha-S1 casein	0,465258028	0,105243033	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,55659267	0,093983119	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	1,055251554	0,28773959	
309	RRRSRSRS	Lamin B receptor	2,775662434	0,329334603	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,617614243	0,121290597	
311	NDITSL	Tropomyosin beta	0,613388675	0,067966478	
312	AARGSFDA	rhodopsin kinase	0,49923992	0,038341449	
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,571959206	0,118888361	
314	DLFGSDEED	elongation factor 1-beta	0,949128483	0,231679468	
315	FSSRSYTSG	Keratin 8	1,082181	0,320014342	
316	RGKSSYSK	Fibrinogen alpha	1,22906977	0,385043191	
317	RKRSRAEA	Histone H2B	0,808526647	0,113660709	
318	LKRASLG	pyruvate kinase	0,572509507	0,023465583	
319	RRRPTPATL	Protein phosphatase inhibitor 1	1,141387678	0,224525759	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,576691261	0,144774483	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	1,024697204	0,451339122	
322	RRRRASVA	pyruvate kinase	2,611798539	0,828822622	On
323	TATDYHTTS	Band 3 anion transport protein	0,53521293	0,120307941	
324	TRRASRPVR	Protamine YII	1,467284919	0,528959005	
325	VSSSYRRM	vimentin	1,656512716	0,725429403	
326	REVSSLKKN	myosin heavy chain	0,802366585	0,119316986	
327	LSYRRYSL		1,278890992	0,475711062	
328	KKKASVA	pyruvate kinase	0,916476589	0,281399412	
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	1,43006559	0,603203448	
330	SRRQSVLVK	glutamate receptor 6	1,26095552	0,285839179	
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	1,420837043	0,590293679	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	0,540408841	0,039493054	
333	SVPPSPSLS	Glycogen [starch] synthase	0,416008669	0,045876685	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	0,644454114	0,17077962	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	1,082236949	0,333184148	

336	KRKQISVR	Glycogen phosphorylase	2,575030871	1,444438137	
337	KLRRSSSVG	Acetylcholine receptor protein delta	2,411857384	0,185073193	On
338	LDPLSEPED	Thyroid hormone receptor alpha	0,689117938	0,016657441	
339	QAGMTAPGT	calponin alpha and beta	0,457547647	0,072245663	
340	SRRASRPVR	Protamine Z	1,153114839	0,187500786	On
341	KPGFSPQPS		0,711819033	0,210008686	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	0,554549675	0,051564091	
343	QLNDSSEEE	E7 protein	0,792362824	0,20995554	
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	0,694644472	0,008245118	On
345	NIYISPLKS	Retinoblastoma-associated protein	0,892649971	0,060417496	On
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	0,536704452	0,069866788	
347	ESRISLPLP	vimentin	0,662693712	0,162075393	
348	KRPSIRAKA	Myelin basic protein	2,871855769	0,679959353	On
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,137641863	0,084089378	On
350	PYKFPSSPLRIPGZ		0,793817845	0,162335714	
351	GSRGSQSSV	Desmin	0,686467416	0,127328066	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,535685794	0,0530657	
353	DRRVSAAE	cAMP-dependent protein kinase II (PKA)	0,578520558	0,039935437	
354	GGRASDYKS	Myelin basic protein	0,886829387	0,173184497	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,946755742	0,126723869	
356	EGTHSTKRG	Fibrinogen alpha	1,145308192	0,040004357	On
357	ESLESYEIN	Matrix Gla-protein	1,4300175	0,3388072	On
358	RVRKTKGKY	glutamate receptor 1	2,991024116	0,945309178	On
359	SNPEYLSAS	Insulin Receptor (IR)	0,711190954	0,076430033	
360	RRSTVA	Protamines Z1 and Z2	1,491200953	0,172002088	On
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,543070025	0,078266378	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,80153021	0,204154092	
363	DPGVSYRTR	pyruvate dehydrogenase E1	1,190334651	0,297039763	
364	GEINTEDDD	calsequestrin	0,855466427	0,105471378	
365	RLSISTESQ	phosphorylase b kinase alpha	0,526344293	0,084629205	
366	RKEISVR	Glycogen phosphorylase	1,467817387	0,308986764	On
367	PGSPQKR	Histone H2	0,557956115	0,06414774	
368	RSGYSSPGS	Microtubule-associated protein tau	0,767776547	0,075018454	
369	SLRASTSKS	40S ribosomal protein S6	1,603642822	0,295914263	On
370	VRKISGL	Histone H4	1,043870393	0,248293339	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	0,901835251	0,137888425	
372	TGFLTEYVA	myelin	0,825549842	0,146422442	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,492523666	0,079443442	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	1,001291398	0,173517328	
375	RKLSQGTR	spermatid nuclear transition protein 2	1,344532723	0,127201461	On
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	1,22545122	0,122738388	On
377	LRRASPG	pyruvate kinase	1,023256552	0,049592555	On
378	YMAPYDNYV	platelet-derived growth factor receptor	1,177528979	0,416948728	
379	SSKAYGNGY	Beta-2 adrenergic receptor	0,581948182	0,030851963	
380	PLTPSGEAP	EGF Receptor	0,613717582	0,083661414	
381	RRRRPTPA	pyruvate kinase	3,925789468	0,057428112	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,740484087	0,061695199	
383	TSSSIFDI	DNA topoisomerase II	0,816996667	0,205989462	
384	PPSPSLSRH	Glycogen [starch] synthase	2,610550676	0,893434801	On
385	SSKRAKAK	Myosin regulatory light chain 2	2,099774071	0,358127371	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	1,41748217	0,280213859	On
387	LNRMSFASN	acetyl-CoA carboxylase	0,912111542	0,111443877	
388	QRHGSKYLA	Myelin basic protein	0,6992786	0,060953094	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,704280196	0,143252713	
390	KRPSDRAKA	Myelin basic protein	2,049195482	0,517482208	On
391	LRGPSWDPF	Heat Shock Protein 27	0,743596639	0,193533979	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,612748396	0,052627147	
393	HDALSGSGN	galectin-3	0,522219652	0,207967548	
394	KRPSQRAKY	Myelin basic protein	1,547104731	0,513597121	
395	EDNEYTARE	Tyrosine-protein kinase Hck	0,888471079	0,112687032	
396	ENAFSPSRS	caldesmon	0,535660455	0,186151556	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,51590784	0,19823102	
398	LAYESHESM	Matrix Gla-protein	0,518580986	0,214911744	
399	PYKFPSSPLRIPGZ		0,604338801	0,164055793	
400	GHQGTVPD	Beta-2 adrenergic receptor	0,440055821	0,169841046	
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,47580172	0,149497548	
402	DEASTTVSK	Rhodopsin	0,520447408	0,138714902	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,535252611	0,147542187	
404	GLLRSWNDP	Prolactin	0,522505277	0,164797328	
405	DTVSTPQRA	Proto-oncogene tyrosine-protein kinase Src	1,204048973	0,549569296	
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,560033644	0,160104104	
407	RRASTIEMP	Cardiac phospholamban	0,57188243	0,16075976	
408	SDEESNDDS	calsequestrin	0,597596085	0,040903977	
409	NVFSSPGGT	Actin and myosin binding protein	0,503700549	0,120392271	
410	RRASF	pyruvate kinase	1,200406341	0,363655295	
411	AKGGTVKAA	annexin IV	0,663494016	0,06859937	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	0,563937826	0,11850615	
413	ETDDYAEII	Focal adhesion kinase	0,670595617	0,123741442	
414	YTTNSPSKI	transcriptional factor SWI7	0,516619649	0,038773022	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,637071279	0,057776136	
416	RKRTRKE	Histone H2B	1,358002767	0,557497155	
417	RPPGFTPFR		1,120858076	0,226516413	
418	SASGTPNKE	caldesmon	0,468427014	0,183131527	
419	NSVDTSSLS	Glycogen [starch] synthase	0,573822643	0,135305857	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	0,524373338	0,124198634	
421	SSSSPSRR	Lamin B receptor	1,556704997	0,534324084	
422	TKSASFLKG	nodulin-26	0,917601849	0,03641886	On
423	VESLSSSEE	Beta casein	0,651149206	0,106925417	
424	YRRNSVRFL	Neutrophil cytosol factor 3	1,367050966	0,558688565	
425	SPALTGDEA	Insulin receptor substrate 4	0,541613274	0,120175154	
426	RKQITVR	Glycogen phosphorylase	1,597626107	0,810903144	
427	VHNRSKINL	HMG-CoA reductase	0,823359598	0,07799982	
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,460759128	0,057438135	
429	LRRASLGAF	pyruvate kinase	1,638181724	0,611949921	
430	PRKGSPRKG	Histone H2B.2	1,0883005	0,176998351	On
431	SSPGSPGTP	Microtubule-associated protein tau	0,501546308	0,048494274	
432	TKAASEKKT	myelin	0,484255937	0,044892118	
433	LRRSSSVGY	Acetylcholine receptor protein delta	2,464528365	0,993094545	
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	0,589355451	0,077366046	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,511318811	0,058066495	
436	KRQSSTSNA	phosphorylase b kinase beta	0,971351164	0,112126587	On
437	QKRPSQRSKYL	Myelin basic protein	1,696207776	0,489139833	
438	QSPSSSPH	phosphorylcholine transferase	0,467809537	0,094463095	
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	0,662908046	0,136313852	
440	KRRSSSYHV	Sodium channel protein type II alpha	2,956675969	0,979636389	On
441	KAKQISVRGL	Glycogen phosphorylase	1,709757681	0,826004966	
442	HSIYSSDDD	Myb proto-oncogene protein	0,613990849	0,374895661	
443	LVMQTAAGT	myosin light chain kinase	0,578428223	0,108453335	
444	EEELYLEPL	Tyrosine-protein kinase receptor	1,118836361	0,316385572	
445	EQLSTSEEN	Alpha-S2 casein	0,471282114	0,07902491	
446	IDMESQERI	Transcription factor AP-1	0,471407967	0,105760099	
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,420550606	0,054103119	

448	PYKFPSSPLRIPGZ		0,349883141	0,039565384	
449	GPAASPA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,477409983	0,14457546	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,380708758	0,157898513	
451	DHSRSTKAA	myelin	0,764428918	0,082107912	
452	FPFHSPSRL	Alpha crystallin B	0,967798094	0,185891949	
453	GRILTLPRS	Insulin Receptor (IR)	1,333920289	0,296306835	On
454	EDVGSDEED	Heat Shock Protein 90-beta	0,64021017	0,114510426	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,40412393	0,058151821	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	0,524046862	0,198090899	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,493221678	0,103463044	
458	PGTESFVNA	Beta-2 adrenergic receptor	0,46302018	0,133930319	
459	SDEEV	Troponin T	0,582772096	0,099386123	
460	APQTPGGRR	Myelin basic protein	1,345447476	0,101356309	On
461	DFPLSPPKK	stathmin	0,519256749	0,078514083	
462	FKAFSPKGS	Actin and myosin binding protein	1,20242331	0,27106755	
463	RDSNYISKG	platelet-derived growth factor receptor	0,507897652	0,197342581	
464	DDEESESD	synaptic vesicle amine transporter	0,788218534	0,163174121	
465	VKRISGL	Histone H4	0,89516653	0,053986013	On
466	RRKDYPALH		0,679524727	0,10301457	
467	SEKSKGLG	myelin	0,484846879	0,130784337	
468	PPSAYGSVK	Annexin II	0,739715441	0,064559139	
469	RRFSV	pyruvate kinase	1,572071297	0,089419841	On
470	STRRSVGRS	multidrug resistance protein 1	2,798557446	0,238270671	On
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	2,78305173	0,291832786	On
472	VNELSKDIG	Alpha-S1 casein	0,505831168	0,101453877	
473	RAGETRFTD	elongation factor 3	0,481354017	0,117001993	
474	SPSPSFRWP	phosphorylcholine transferase	0,62971459	0,182057289	
475	RVSGSRR	Lamin C	2,755108847	0,210576556	On
476	VRLRSSVPG	vimentin	1,432789159	0,094666548	On
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	0,553753514	0,165021284	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,439489762	0,384947634	
479	PSRRSRSRS	Lamin B receptor	0,526725687	0,089742837	
480	STDYYREGP	TrkC tyrosine kinase	1,107733573	0,40485938	
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	1,657214698	0,272972106	On
482	LVVASAGPT	RNA polymerase alpha	0,6126088	0,124039914	
483	PVPEYINQS	EGF Receptor	0,535932814	0,107977719	
484	KKAESPVKE	neurofilament triplet M	0,61486967	0,140158928	
485	KSLNYIDLD	Insulin receptor substrate 5	0,83616139	0,221578618	
486	KRKQISVRGL	Glycogen phosphorylase	1,9230304	0,467239542	On
487	SRGDYMTMQ	Insulin receptor substrate 6	0,474989176	0,090361637	
488	KKKSGGEDD	eukaryotic translation initiation factor 4F	0,634732805	0,146853471	
489	KTSPSSSPA	phosphorylcholine transferase	0,792791315	0,413170748	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	0,611549946	0,065909291	
491	IGSVSEDNS	acetyl-CoA carboxylase	1,245924136	0,523920807	
492	NAPVSALGE	Myb proto-oncogene protein	0,385327529	0,006967418	
493	EETPYSYPT	Paxillin	0,910866548	0,29759056	
494	ERSPSPSFR	phosphorylcholine transferase	0,927768879	0,245795357	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	1,629242939	0,609351718	
496	NEEESYSY	RNA polymerase alpha	1,939213361	1,11341987	
497	PYKFPSSPLRIPGZ		0,580728949	0,094148176	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,650493845	0,109571446	
499	ASATSSSGG	Glycogen [starch] synthase	0,435797603	0,081534511	
500	DLPMPSPRTL	Signal Transducer and Activator of Transcription 3	0,398338465	0,03144129	
501	GDLQSAEFH	Cystatin	0,485516555	0,039619432	
502	GSEEMYMMD	Insulin receptor substrate 3	0,536066649	0,092864789	
503	EENTYDEYE	Cortactin	0,649602807	0,08216744	

504	ERRKSHEAE	stathmin	0,904466074	0,227229616	
505	RRRVTSATR	glial fibrillary acidic protein	1,781572674	0,765829971	
506	SKDSSKRGR	myelin	1,638838245	0,664441811	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,464092036	0,073423571	
508	AALESEDED	eukaryotic translation initiation factor 4F	0,66028738	0,018931132	
509	ARKSTRRSI	pleckstrin	2,012578775	0,89321587	
510	DLFGSDDEE	elongation factor 1-beta	0,98707649	0,387675544	
511	FRRLSISTE	phosphorylase b kinase alpha	0,756226309	0,115208111	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	0,649576704	0,054707006	
513	RKISASEF		0,617621	0,170975111	
514	LHRASLG	pyruvate kinase	0,598105982	0,099092802	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,092460012	0,245500537	
516	SGYSSPGSP		0,493580004	0,075414035	
517	LGEGTP	Calgranulin B	0,568615594	0,073757644	
518	RRLSSLRA	40S ribosomal protein S6	2,158524745	0,853665088	
519	TAESSQAE	Neuromodulin	0,541396631	0,059699769	
520	TRRASFSAQ	Regulatory protein ADR1	1,330754599	0,481149047	
521	VSRTSAVPT	Desmin	0,668810895	0,191386108	
522	REQLSTSEE	Alpha-S2 casein	0,477396497	0,077062382	
523	LSYRGYSL		0,564829223	0,073158975	
524	KASGSSP		0,449362813	0,056121459	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	0,937462999	0,236270504	
526	SRRPSYRKI	cAMP response element binding protein	1,327670513	0,407564795	
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	1,560851346	1,291358086	
528	QEGDTDAGL		0,613065996	0,009497815	
529	SVFSSPAS	caldesmon	0,484177364	0,125379442	
530	TRKISQTAQ	ryanodine receptor	0,585225614	0,011469162	
531	PINGSPRTP	Retinoblastoma-associated protein	0,489909543	0,086506934	
532	KQISVRGL	Glycogen phosphorylase	1,548131101	0,616014049	
533	KLINSIADT	Serine/threonine-protein kinase STE7	0,475240959	0,111077844	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	1,035006699	0,467663425	
535	PYDNYVPSA	platelet-derived growth factor receptor	0,716655221	0,215269855	
536	SRQLSSGVS	Heat Shock Protein 27	0,437411143	0,131441436	
537	KNIVTPRTP	Myelin basic protein	1,443331545	0,5321052	
538	LKLASPELE	Transcription factor AP-2	0,485143678	0,093374854	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,542299766	0,027369929	
540	IVYKSPVVS		0,720059032	0,080757659	
541	NGYISAAEL	Calmodulin	1,08095209	0,397326756	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,480736551	0,043580774	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,507048339	0,07429975	
544	KRPSHRAKA	Myelin basic protein	1,521156774	0,239012324	On
545	NNYVYIDPT	Mast/stem cell growth factor receptor	0,74828403	0,166388126	
546	PYKFPSSPLRIPGZ		0,491350725	0,027736988	
547	GSPRTPRRG	Retinoblastoma-associated protein	2,123808262	0,201471841	On
548	DADEYLIPQ	EGF Receptor	1,011783765	0,3270728	
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	0,80539843	0,187618441	
550	GGLTSPGLS	Keratin 8	0,47879608	0,025013181	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,631441181	0,07766903	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,808649716	0,231687425	
553	ESIISQETY	Alpha-S2 casein	1,269093884	0,764896692	
554	RVRKSKGKY	glutamate receptor 2	3,326107142	1,657091866	
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,637185337	0,056682378	
556	RRPTVA	Protein phosphatase inhibitor 2	1,230247374	0,134063619	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,075935656	0,449286194	
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,593735032	0,045652314	
559	DPGTSYRTR	pyruvate dehydrogenase E1	0,969416126	0,194000443	

560	GEGTYGVVY	cell division control protein 2	0,802089079	0,201618761	
561	RLRLSPSPT	Lamin C	1,073892274	0,103486482	On
562	RKASRKE	Histone H2B	1,310279341	0,250695559	On
563	LRRWSLG	pyruvate kinase	1,091262805	0,365829728	
564	RRVTSATRR	glial fibrillary acidic protein	2,316077231	0,405777443	On
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,618058633	0,076174867	
566	RRATPA	pyruvate kinase	1,12343471	0,319051816	
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	0,827476591	0,291728281	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,513675368	0,116130638	
569	TVSKTETSQ	Rhodopsin	0,483133074	0,079355934	
570	WSDTQGDE	14-3-3 protein zeta	0,842098074	0,115625412	
571	RKFSSARPE	Sodium channel protein	1,079068916	0,123971989	On
572	KKKKASVA	pyruvate kinase	1,491657768	0,662970393	
573	LRRASLG	pyruvate kinase	1,351788374	0,523507213	
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,325692947	0,336762107	
575	SSEITTKDL	Prothymosin	0,612943729	0,069722972	
576	PLSRTLVS	glycogen synthase	0,743946352	0,136750742	
577	LRRASLRG	pyruvate kinase	2,478258769	0,816385309	On
578	TEGQYELQP	Tyrosine-protein kinase Blk	0,942462738	0,232542731	
579	TSPSSPAS	phosphorylcholine transferase	0,572244169	0,054816302	
580	PPSAYGSVK	Annexin II	0,812152033	0,10924995	
581	RTKRSGSV	phosphorylase b kinase beta	2,221900306	0,74310532	On
582	KRFGSKAHM	nitric-oxide synthase	2,153444378	0,56840511	On
583	LNDSEEEED	E7 protein	0,754389003	0,046362424	
584	QRATSNVFA	Myosin regulatory light chain 3	0,600060683	0,081600274	
585	SRSRTPSLP		1,5962701	0,387291635	On
586	KRPSARAKA	Myelin basic protein	2,585387144	0,472357113	On
587	LRAPSWIDT	Alpha crystallin B	0,689247973	0,098226205	
588	QRRTSVSGE	cAMP-dependent protein kinase	0,957984555	0,298341671	
589	HATPSPVD	Myb proto-oncogene protein	0,477187864	0,107697955	
590	KRPSQRAKA	Myelin basic protein	1,166097047	0,497130508	
591	EDAESEDEE	Nucleophosmin	0,8552002	0,22382328	
592	ENAEYLRVA	EGF Receptor	0,572569002	0,102937222	
593	HKRKSSQAL	Transforming protein erbA	0,845396826	0,102637465	
594	LAYESHESL	Matrix Gla-protein	0,499084491	0,079937922	
595	PYKFPSSPLRIPGZ		0,370054143	0,134652394	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,444698369	0,088301991	
597	ALRPSTSRS	vimentin	1,060106026	0,446493352	
598	DEAATKTQT	myosin II heavy chain	0,569411486	0,103057683	
599	FARKSTRRS	pleckstrin	1,623229879	0,610289351	
600	GLGESRKDK	myelin	0,601662971	0,093815292	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	0,618287564	0,175507862	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,440637696	0,181093421	
603	RRAISGLT	dihydropyridine-sensitive calcium channel	0,485550996	0,142558108	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,588180799	0,098847249	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	0,844630274	0,265818359	
606	RASLG		0,721861711	0,089707634	
607	AKDASKRGR	myelin	1,257960503	0,352593095	
608	DDEASTTVS	Rhodopsin	0,480544824	0,123253716	
609	ETAESSQAE	Neuromodulin	0,425381744	0,124037399	
610	YTRFSLARQ	Transferrin receptor protein 1	0,901609935	0,232548435	
611	SPKQSPSSS	phosphorylcholine transferase	0,533048045	0,108676661	
612	RKRSRKE	Histone H2B	0,460051803	0,176320038	
613	RPPGFSPFR		0,914116701	0,176046927	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,512421032	0,125246128	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,405923909	0,148206743	

616	KGYSLG	Lysozyme C	0,425798318	0,092479081	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,474464828	0,127202998	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	1,042583267	0,562119434	
619	VEPLTPSGE	EGF Receptor	0,384927141	0,093670728	
620	YRLPSNVQD	Alpha crystallin A	0,428553933	0,124442282	
621	SPAISIHEI	phosphorylase b kinase alpha	0,419066985	0,171524959	
622	RKQISVR	Glycogen phosphorylase	0,503428092	0,122795754	
623	VGWPTVRER	Nef	0,615662425	0,044381665	
624	QTYRSFHDL	cGMP-dependent protein kinase (PKG)	0,697682075	0,022143533	
625	LRRASLGAA	pyruvate kinase	1,435231281	0,615991852	
626	PRKGSPPKR	Histone H2B.2	0,517316627	0,065948565	
627	SSPASLSRA	phosphorylcholine transferase	0,625309068	0,048033144	
628	TKAASEKKS	myelin	0,50208428	0,152528571	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,464021939	0,132375964	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,375708588	0,19320081	
631	KAKVTGRWK	troponin T	2,141207819	1,052772668	
632	KRPTQRAKY	Myelin basic protein	2,720610989	1,065335226	
633	PLSRTL SVRSL	Glycogen [starch] synthase	1,231214359	0,360486043	
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,583607918	0,162628342	
635	KGGYSQAA	HLA class I histocompatibility antigen B7	0,72942531	0,282613575	
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	1,487346248	0,560350409	
637	KAQISVRGL	Glycogen phosphorylase	0,557935109	0,09405558	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,099777886	0,395900029	
639	LSGF SFKKN	myristolated alanine-rich C-kinase substrate	1,040945295	0,307362468	
640	EEEEYMPME	Middle T antigen	0,433160095	0,108961118	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	0,478194444	0,115997483	
642	IDKISRIGF	glycine receptor alpha	0,521097797	0,104052942	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,40713748	0,08972759	
644	PYKFPSSPLRIPGZ		0,435942206	0,100357004	
645	GNHTYQEIA	Paxillin	0,429925157	0,093469925	
646	APVASPAAP	synapsins IA and IB	0,48937466	0,130199128	
647	DGNN SDEES	calsequestrin	0,475560401	0,085197002	
648	FMTEYV VTR	mitogen-activated protein kinase MSK7	0,56565868	0,092875075	
649	GRGLSLSRF	Myelin basic protein	1,061822629	0,197375756	
650	EDTLSDSDD	N-myc proto-oncogene protein	0,810021393	0,239374965	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,551669464	0,135679994	
652	RRPTSPVSR	Early E1A	1,427293019	0,454377666	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,603478863	0,092790702	
654	QKRPSQRSK	Myelin basic protein	1,646319895	0,442719081	On
655	SDEEH	initiation factor 5A	0,466584393	0,142433547	
656	APLTPGGRR	Myelin basic protein	1,300268724	0,435594011	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,528440878	0,151251459	
658	FGSRSLYGL	keratin, type II	0,649687328	0,162665321	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,537130997	0,114914063	
660	AVRRSDRA	Troponin I	1,020796345	0,205570958	
661	VKRG SGL	Histone H4	1,063870745	0,322948491	
662	RRKDTPALH		0,66352291	0,046645553	
663	SEITTKDLK	Prothymosin	0,505522341	0,099031281	
664	PNVSYIASR	protein kinase shaggy	0,785902144	0,053870238	
665	RRDSV	pyruvate kinase	0,748272044	0,19832755	
666	STRRSIRLP	pleckstrin	1,882036551	0,732780524	
667	TPQVSDTMR	glycogenin	0,550443753	0,100746517	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,46486533	0,087037905	
669	RAAHSIKGG	Chemotaxis protein cheA	0,97154331	0,150949302	
670	SPSLSRHSS	Glycogen [starch] synthase	1,150978231	0,457593321	
671	RTPPPSG	Myelin basic protein	0,725370698	0,16041193	

672	VRKRTLRL	EGF Receptor	1,784427929	0,6920256	
673	SRKSGFGH	gap junction beta-1 protein	1,017537028	0,255767104	
674	LSGESDLEI	DNA topoisomerase II	0,69944079	0,067188599	
675	PSQRSKYLA	Myelin basic protein	0,453607587	0,019948932	
676	STDEYLDLS	Receptor tyrosine kinase	1,303839852	0,601411653	
677	TNHIYNLA	Mast/stem cell growth factor receptor	0,629533636	0,089375619	
678	LSRHSSPHQ	Glycogen [starch] synthase	1,177241567	0,147314118	On
679	PTRHSRVAE	Lamin	0,571145259	0,199569772	
680	KISITSRKA	GTP-binding protein era	1,291251607	0,48309278	
681	KSKISASRK	troponin I	1,998445579	0,992117486	
682	KRKQISVGG	Glycogen phosphorylase	0,933552938	0,219479883	
683	SRALSRQLS	Heat Shock Protein 27	1,510688888	0,448999909	
684	KKKFSFKKP	MARCKS-related protein	3,135335062	1,956967428	
685	KTRSSRAGL	Histone H2A	2,195436088	0,867637197	
686	PAPGSPEPP	Early E1A	0,479260619	0,139741905	
687	IGSESTEDQ	Alpha-S1 casein	0,515443533	0,139094509	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	0,633654538	0,08610781	
689	EEQEYVQTV	Annexin I	0,505963512	0,139993193	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,4830178	0,069285008	
691	IREESPPTS	Glycoprotein IV	0,391544629	0,077463033	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	0,660732298	0,128322649	
693	PYKFPSSPLRIPGZ		0,453132538	0,076022973	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	0,824608235	0,251392743	
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	0,819683478	0,027395705	On
696	DLPLPSAF	tristetraproline	0,673484	0,163513371	
697	GDKKSKKAK	Na+/K+ ATPase 1	0,80345094	0,170144298	
698	GSDVSFNEE	DNA topoisomerase II	0,693477315	0,184693748	
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,463690475	0,062283521	
700	ERQKTQTKL	myosin light chain kinase	0,700108773	0,090730353	
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	0,903578639	0,159324689	
702	SKAGSLGNI		0,496297236	0,179274998	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,38648773	0,177216212	
704	AAATTPAAE	neuromodulin	0,388232222	0,141207109	
705	ARKKSSAQL	ras-related protein rap-1b	0,6443643	0,386468805	
706	DKVTSPTKV	caldesmon	0,459979146	0,149326678	
707	FRRFTPDSL	Sodium channel protein	0,548456579	0,04112974	
708	RFTDTRKDE	elongation factor 4	0,500719195	0,163620258	
709	RKISASEA		0,50123172	0,258085261	
710	LARASLG	pyruvate kinase	0,826268811	0,144041148	
711	RRRLSSLRA	40S ribosomal protein S6	0,822373928	0,104849987	
712	SGYISSLEY	Complement C1r	1,281743116	0,468506191	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,509612204	0,127064136	
714	TIAVG	Photosystem Q(A)	0,473640964	0,039733711	
715	TADISEDEE	phosphorylcholine transferase	0,762444664	0,195116871	
716	TRQTSVSGQ	synapsins IA and IB	0,468201813	0,173816141	
717	VSEELYDLR	Fibroblast growth factor receptor 4	1,122289892	0,496599043	
718	REQESSGEE	Protein phosphatase inhibitor 2	0,480466427	0,12981094	
719	GTKRSGSV	phosphorylase b kinase beta	1,323141961	0,07251519	On
720	NRLQTMKEE	Lamin C	0,490035358	0,120133774	
721	VVELSGESD	DNA topoisomerase II	0,664607965	0,077398648	
722	SRRPSRATW	Vitronectin	2,008907734	0,14642772	On
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,475738892	0,144456218	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	0,460219333	0,120857658	
725	STTVSKTET	Rhodopsin	0,524545769	0,073872975	
726	TRKISASEF		0,531675583	0,111554184	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,449137522	0,094301138	

728	KQGSGRGL	Glycogen phosphorylase	1,34296323	0,153992244	On
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	2,439550692	0,558996966	On
730	LASSSKEEN	Cystatin S	0,498023966	0,141887726	
731	PLRRTLVA	glycogen synthase	0,630161499	0,049501359	
732	SRPSSNRSY	vimentin	2,063434182	0,480791643	On
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	1,615512708	0,180272035	On
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	0,714448582	0,313209739	
735	QKAQTERKS	troponin T	0,992856261	0,081221852	On
736	ISTESQPNG	phosphorylase b kinase alpha	0,368829221	0,114930773	
737	NGNNYVYID	Mast/stem cell growth factor receptor	0,616057255	0,034516343	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	0,879564699	0,216064814	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	0,555654848	0,01905445	
740	KRKSSQALV	Transforming protein erbA	1,513994167	0,68177831	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,478911917	0,038144374	
742	PYKFPSSPLRIPGZ		0,391643911	0,068408196	
743	GSPGTPGSR		0,720844435	0,103392645	
744	AVVRTPPKS		1,373537017	0,266169911	On
745	DRKLSTKEA	multidrug resistance protein 2	0,49461295	0,055502397	
746	GGIRSLNVA	isocitrate dehydrogenase	0,517154238	0,057220728	
747	GTRLRLARM	glial fibrillary acidic protein	1,047529954	0,156161868	On
748	EGNKSPAPK	Actin and myosin binding protein	0,477444702	0,068497882	
749	ESHESMESY	Matrix Gla-protein	0,585661996	0,120819825	
750	RVRISADAM	Troponin I	0,516737578	0,051923881	
751	SNDDSDDDD	casepuestrin	0,69303391	0,063001602	
752	RRPTPA	Protein phosphatase inhibitor 3	1,260888619	0,154312595	On
753	AEGSSNVFS	Myosin regulatory light chain 2	0,562531932	0,066780166	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	0,76912783	0,195917633	
755	DNPDYQQDF	EGF Receptor	1,253389637	0,702947128	
756	GDVKYADIE	platelet-derived growth factor receptor	0,764553046	0,184104654	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	0,568867769	0,054187071	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	1,321533693	0,619042312	
759	LRRPSLG	pyruvate kinase	1,62326894	0,737652862	
760	RRVRSQEPG	somatostatin receptor type 4	0,831852214	0,175563725	
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,554696882	0,110729669	
762	RRASVA	pyruvate kinase	1,412068832	0,588127909	
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	0,740209397	0,290259718	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,508421868	0,049125871	
765	TVKSSKGGP	Annexin I	0,817350118	0,223055401	
766	WTSDSAGEE	14-3-3 protein tau	0,923693905	0,315857211	
767	RKAASVIAK	DNA polymerase beta	1,32173192	0,516984959	
768	LRRASLDG	pyruvate kinase	0,828042093	0,439624721	
769	LRRASGG	pyruvate kinase	0,896086979	0,24511996	
770	YHTTSHPGT	Band 3 anion transport protein	0,7112161	0,22045931	
771	SSEESITRI	Beta casein	0,714219671	0,272077591	
772	PLAGSPVIA	casein kinase II	0,796269996	0,023314367	On
773	LGSPPLRRR	vimentin	3,863673948	1,465924082	On
774	TEDQYSLVE	PI3-kinase p85-alpha	1,602744313	1,101572659	
775	TRTYSLGSA	vimentin	0,897257547	0,465578072	
776	PPSAYATVK	Annexin II	0,669430106	0,191487601	
777	RTKRSGSV	phosphorylase b kinase beta	2,021064788	0,628676997	On
778	KREASLDNQ	Phytochrome A	0,458153411	0,071416453	
779	LMDKYHVDN	Early E2A	0,457676683	0,075614326	
780	QQGMTVYGL	calponin alpha and beta	0,905861356	0,24226331	
781	SRSRSRSRS	Lamin B receptor	3,999527814	1,206786712	On
782	KRNSSPPPS		1,776478611	0,690229947	
783	LQRYSSDPT	EGF Receptor	0,599394017	0,137435986	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	1,313752943	0,579856192	
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,598430713	0,224373384	
786	KRPSNRAKA	Myelin basic protein	1,375265691	0,117430327	On
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,607838201	0,181330158	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,467771415	0,08432358	
789	HKIKSGAEA	DNA polymerase beta	0,507633026	0,172230357	
790	LARRSTTDA	Choriogonadotropin beta	0,447595139	0,222424622	
791	PYKFPSSPLRIPGZ		0,41527908	0,180353539	
792	GGTGTPNKE	Actin and myosin binding protein	0,5900031	0,230262078	
793	ALGISYGRK	TAT protein	1,705693899	0,292979077	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,495746799	0,13859065	
795	EYVQTVKSS	Annexin I	0,496108131	0,139297715	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,533050067	0,172749138	
797	DSTYYKASK	Focal adhesion kinase	0,838203952	0,042470549	On
798	EKEISDDEA	Heat Shock Protein 90-beta	0,548829786	0,233499866	
799	RRADSLQKN	iron-responsive element binding protein	0,650341931	0,214885049	
800	SAYGSVKAY	Annexin II	0,573771051	0,12165091	
801	NTSSSPQPK	p53	0,578679688	0,177942449	
802	GSRRR	protamine	2,430902829	0,110035562	On
803	AKAKTTKKR	Myosin regulatory light chain 2	2,492817099	0,554320548	On
804	DDAYSDET	Protein phosphatase inhibitor 2	1,993746434	0,887518424	
805	ESVDYVPMML	platelet-derived growth factor receptor	0,862991577	0,364962453	
806	YSTDYREG	TrkC tyrosine kinase	1,320470885	0,679342189	
807	SPKKSPRKA	Histone H4	1,373962344	0,191020358	On
808	RKRSRKA	Histone H2B	1,968536677	0,544675325	On
809	RPPASPSQ	synapsins IA and IB	0,655574496	0,277156771	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	0,847589382	0,219938477	
811	NRQSSQARV	Phytochrome A	1,442603507	0,173552576	On
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,494091175	0,236573306	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	2,480254692	0,888039503	
814	TKKQSFQKT	cystic fibrosis transmembrane conductance regulator	1,10904062	0,200211205	
815	VDSAYEVIK	L-lactate dehydrogenase M	0,997724891	0,329917478	
816	YRKSSLKSR	spermatid nuclear transition protein 3	1,979202283	0,162896657	On
817	SNVSSTGSI		0,628229883	0,297089621	
818	RARSRKE	Histone H2B	1,368611006	0,208819808	On
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,440096758	0,156307898	
820	QTVKSSKGG	Annexin I	1,054612929	0,058054922	On
821	LRMFSFKAP	Gamma-aminobutyric-acid receptor gamma-2	0,916625159	0,085838608	On
822	PRHLSNVSS		0,513850161	0,322772843	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	0,522249916	0,328265875	
824	THYGSLPQK	Myelin basic protein	0,740384611	0,183563566	
825	LRRPSDQAV	Transforming protein rel	0,775976395	0,109654968	
826	PRRNSRASL	Sodium channel protein type II alpha	0,576439782	0,165038326	
827	KAKTTKKRP	Myosin regulatory light chain 2	2,877087728	0,659284433	On
828	KRPSGRAKA	Myelin basic protein	2,552994151	0,225395214	On
829	PLSKTSLVSSL	Glycogen [starch] synthase	0,634421092	0,320550976	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	0,578051043	0,251967172	
831	KGATSDEED	DNA topoisomerase II	0,575357277	0,235826883	
832	KRRNSEFEI	tryptophan 5-monooxygenase	0,796125781	0,070095612	
833	LTRRASFSQA	Regulatory protein ADR1	1,781917058	0,200017655	On
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,403643391	0,180608613	
835	LRRFSLATM	Cytochrome P450 2B1	0,84793204	0,239089169	
836	EEEAYGWMD	Gastrin	0,961668227	0,29161498	
837	EQESSGEED	Protein phosphatase inhibitor 2	0,546994006	0,132320076	
838	IAADSEAEQ	Insulin receptor substrate 7	0,548153215	0,169533337	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,455977972	0,164175515	

840	PYKFPSSPLRIPGZ		0,430777528	0,177611695	
841	GNGDYMPMS	Insulin receptor substrate 8	0,40832359	0,132038307	
842	APRYPGGRR	Myelin basic protein	1,931695919	0,2206965	On
843	DGNKSPAPK	caldesmon	0,569989281	0,190539383	
844	FMTEYVATR	mitogen-activated protein kinase	0,476241576	0,092538429	
845	GRASSHSSQ	Lamin C	0,939757429	0,110150732	On
846	EDSTYYKAS	Focal adhesion kinase	0,938684859	0,309416142	
847	ENPQYFRQG	TrkC tyrosine kinase	0,460676883	0,181983589	
848	RRPTPATVA	Protein phosphatase inhibitor 4	0,964211174	0,202985582	
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,442258063	0,119972965	
850	QEKESERLA	Beta-2 adrenergic receptor	0,427035608	0,118405774	
851	RRVSV	pyruvate kinase	1,479369491	0,176978304	On
852	APFTPGGRR	Myelin basic protein	1,651955179	0,282801152	On
853	DEKLSEILG	RNA polymerase alpha	0,662235355	0,2621676	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotran	0,509793656	0,191442364	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	1,600512907	0,730419203	
856	AVRRSDAA	Troponin I	0,702228145	0,122387003	
857	TKRSGSV	phosphorylase b kinase beta	1,019285828	0,083482886	On
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,439194832	0,112467901	
859	SEGDSSEGE	Serum response factor	0,656451959	0,239931071	
860	PLDRSSHAQ	Insulin Receptor (IR)	0,585192061	0,152979172	
861	RRASS	pyruvate kinase	1,498971641	0,341749837	On
862	STPLSPTRI	Lamin A/C	1,019370706	0,323693922	
863	TPPLSPSRR	Myc proto-oncogene protein	2,395813651	0,326489655	On
864	VKRISGLIY	Histone H4	0,887574499	0,187612846	
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	1,693403302	0,146507108	On
866	SPRTPGGRR	Myelin basic protein	2,170288263	0,333571948	On
867	RRRRSVA	pyruvate kinase	2,584564778	0,283572516	On
868	VRFESIRLP	Choriogonadotropin beta	0,86187443	0,22672397	
869	SRKESYSVY	Histone H2B	0,664524703	0,192788107	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	2,562911802	0,087748123	On
871	PSPSSRVTV	Lamin B1	0,899046778	0,15971844	
872	SSVPTPSPL	casein kinase II	0,414274194	0,089361965	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	0,854671695	0,234849982	
874	LSRFSWGAE	Myelin basic protein	0,531567705	0,195870425	
875	PTKRSPTKR	Histone H2B.1	1,030303285	0,225209997	
876	KISASRKLQ	troponin I	2,092246649	0,385518068	On
877	KSFGSPNRI	cell division protein kinase 7	1,608452801	0,228584612	On
878	KRKQISVAGL	Glycogen phosphorylase	1,312880329	0,157730633	On
879	SQHSTPPKK	Large T antigen	0,60740108	0,197928584	
880	KKIDSFASN	acetyl-CoA carboxylase	0,820623587	0,327303571	
881	KTETSQVAP	Rhodopsin	0,530463978	0,174363733	
882	PAAPSPGSS	synapsins IA and IB	0,535579824	0,313994271	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,498906125	0,218940107	
884	MQLKSEIKQ	phosphorylase b kinase alpha	0,619343201	0,213009397	
885	EEQEYIKTV	Annexin I	0,84238604	0,254092417	
886	ERRPSNVSQ	Sodium channel protein type II alpha	0,543173505	0,155076448	
887	IPPHTPVRT	Retinoblastoma-associated protein	1,075007477	0,285380774	
888	NDSTSVAV	muscarinic acetylcholine receptor M2	0,546811506	0,145037473	
889	PYKFPSSPLRIPGZ		0,457715951	0,086571085	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	1,348609969	0,414281237	
891	ARTKRSGSV	phosphorylase b kinase beta	1,745323516	0,496764724	On
892	DLPGTEDFV	Beta-2 adrenergic receptor	1,023512571	0,294959554	
893	GALYSGSEG	Serum response factor	0,627082237	0,218787792	
894	GRVLTLP RS	Insulin Receptor (IR)	1,533896585	0,394748644	On
895	EKESSNDS	muscarinic acetylcholine receptor M2	0,482473541	0,046794276	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,480423981	0,128170996	
897	RRRRSRRAS	Protamine Z	1,930728667	0,88822899	
898	SIYSSDDDE	Myb proto-oncogene protein	1,549573662	0,603678912	
899	HGYSLG	Lysozyme C	0,515718211	0,231422457	
900	AAASFKAQR		1,48436835	0,042678585	On
901	ARKFSSARP	Sodium channel protein	1,760601258	0,256896608	On
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	0,556700782	0,101381822	
903	FRKLSFTES		0,717057071	0,190318162	
904	RFHKSSKDS	myelin	0,569615195	0,172919098	
905	RAKRSGSV	phosphorylase b kinase beta	1,823737917	0,217677991	On
906	KSESSQK	40S ribosomal protein S6	0,605412083	0,272884051	
907	RRRLSDSNF	synapsins	0,663955677	0,085224208	
908	SGKTSPSSS	phosphorylcholine transferase	0,484724455	0,118445243	
909	KSRRTI	Interleukin-2 receptor alpha	1,098313628	0,134960097	On
910	TAILE	Photosystem Q(B)	0,588888266	0,134738207	
911	SYPLSPLSD	Cytosolic phospholipase A2	0,962357104	0,299821473	
912	TRQASQAGP	synapsins IA and IB	0,578522891	0,199960076	
913	VRVYTHEVV	cell division control protein 2	0,515962626	0,18168404	
914	RENEYMPMA	Middle T antigen	0,466346843	0,109896899	
915	GRGLSLSR	Myelin basic protein	1,975465286	0,434913574	On
916	YIYGSFK		0,86267018	0,124811998	
917	VTRSSAVRL	vimentin	1,468868309	0,313884239	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	0,654792587	0,303570636	
919	PASPSPQRQ	synapsins IA and IB	0,74693943	0,366945363	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran:	0,668905115	0,291398338	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,707663243	0,239886127	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	1,420600882	0,291232988	On
923	PGGSTPVSS	casein kinase II	0,421748348	0,04550504	
924	QGTLKIFK	Myelin basic protein	1,349862234	0,328897354	
925	KKRLSVERI	DNA topoisomerase II alpha	1,850636557	0,332875599	On
926	KYRKSSLKS	spermatid nuclear transition protein 4	1,959222488	0,221228892	On
927	PLSRRLSVA	glycogen synthase	1,006436983	0,403926419	
928	SRLHSVRER	sucrose synthase 2	1,572346196	0,479680789	
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	0,914990927	0,172431287	
930	LGGGTFDIS	Heat Shock Protein 70	0,696949434	0,258554844	
931	QHLKSVMLQ	Troponin I	0,693102081	0,077449776	
932	ISQESSEEE	high mobility group protein	0,623682471	0,108015472	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,437281284	0,071047426	
934	EHVSSSEES	Alpha-S2 casein	0,48737995	0,003542049	
935	ESMESYEVS	Matrix Gla-protein	0,984510321	0,088187588	On
936	KQLASFEIY	Cystatin S	0,459310427	0,080221364	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,463873349	0,049383505	
938	PYKFPSSPLRIPGZ		0,402718214	0,038285834	
939	GSLKSRKRA	spermatid nuclear transition protein 1	2,065745075	0,681023265	
940	AVRRSDRAY	Troponin I	1,067738179	0,179106299	On
941	DPTMSKKKK	eukaryotic translation initiation factor 2 beta	0,994959687	0,225209496	
942	GGGTSPVFP	Desmin	0,54818038	0,026762566	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,441295851	0,150963531	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,479657943	0,082804695	
945	ESHESLESY	Matrix Gla-protein	0,76118366	0,260574925	
946	RVLESFRAA	volatge-gated potassium channel	0,888423551	0,105320026	
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,48096648	0,080690724	
948	RRPSPA	pyruvate kinase	1,331365565	0,226655717	On
949	ADSFSLNDA	galectin-3	1,038536565	0,527241662	
950	ATSASPPQK	p53	0,641883987	0,089467993	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	1,079306239	0,679874632	

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,489824352	0,102889875	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,40739979	0,041992188	
954	ASGSFKL	Histone H1.1	0,513062486	0,072496447	
955	LRRGSLG	pyruvate kinase	1,683003651	0,488915148	
956	RRSVSEAAL	hormone sensitive lipase	0,574796338	0,114041264	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	0,88147187	0,085041441	On
958	RRASLG		1,460092258	0,498328848	
959	AAVDTSEI	Prothymosin	0,947265417	0,535371647	
960	TESQSLTLT	Beta casein	0,512762917	0,038688996	
961	TTRVTPLRT	Desmin	1,573940173	0,508589031	
962	WTADSGEGD	Fibrinogen alpha	1,075449952	0,157712961	On
963	RHRDTGILD	Myelin basic protein	0,543669278	0,075194033	
964	NRIYTHQVV	cell division protein kinase 7	1,21069886	0,158067083	On
965	LRKASLG	pyruvate kinase	0,733470384	0,099619056	
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,551727447	0,037872067	
967	SSEESIISQ	Alpha-S2 casein	0,638256478	0,004807974	
968	PKRGSKGKD	Myelin basic protein	0,736854673	0,038907078	
969	LGSALRRR	vimentin	4,14484953	1,013606039	On
970	TDESDNEI	lower matrix phosphoprotein	1,393048405	0,433021934	
971	TRSVSSSSY	vimentin	1,093893468	0,200896076	
972	PPRRSSIRN	Neutrophil cytosol factor 7	3,046751428	0,67585289	On
973	RTKGSQSV	phosphorylase b kinase beta	1,512688892	0,308280653	On
974	KRAASPRKS	Histone H5	2,199374098	0,178623482	On
975	LMAPSEEDH	insulin-like growth factor binding protein 2	0,599142047	0,095581275	
976	QNPVYHNQP	EGF Receptor	0,862212381	0,055890329	On
977	SRSRSRSPG	Lamin B receptor	3,789221485	0,772916769	On
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	1,484357047	0,003917546	On
979	LQDDYEDMM	Band 3 anion transport protein	1,155106395	0,252009749	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,673689491	0,006750473	
981	GVLRRASVA	pyruvate kinase	1,54303712	0,483000133	
982	KRPSLRAKA	Myelin basic protein	1,855804642	0,452271885	On
983	EASTTVSKT	Rhodopsin	0,646499125	0,351173807	
984	ELSNYIAMG	Insulin receptor substrate 9	0,474779676	0,273019169	
985	HHHATPSPP	Myb proto-oncogene protein	0,535877903	0,290166433	
986	KTETSQVAP	Rhodopsin	0,484692554	0,246733926	
987	PYKFPSSPLIPGZ		0,596725377	0,064247484	
988	GGSVTKKRK	Lamin C	1,85109233	0,466145217	On
989	AKRISGKMA	cell division control protein 2	1,462708069	0,231085297	On
990	DDPSYVNVQ	Adaptor molecule SHC	0,756724091	0,334771379	
991	EVEKSPVKS	neurofilament triplet M	0,499221532	0,213054983	
992	GKSSSYSKQ	Fibrinogen alpha	0,996888457	0,196079543	
993	DSRSSLIRK	multidrug resistance protein 3	1,004659285	0,265589643	
994	EKAKSPVPK	neurofilament triplet M	0,808171052	0,151366201	
995	RQRKSRTTI	Interleukin-2 receptor alpha	1,801359877	0,329955194	On
996	SAYATVKAY	Annexin II	0,57906834	0,184753696	
997	NTDGSTDYG	Lysozyme C	1,430484749	0,845080906	
998	KRTLRL	EGF Receptor	1,818717161	0,099897286	On
999	AGPTSARDG	RNA polymerase alpha	0,393167898	0,065547278	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	0,630248225	0,217396097	
1001	ESSYSYEEI	RNA polymerase alpha	1,28736988	0,588022635	
1002	YSLGSALRP	vimentin	0,82894135	0,319788584	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,578087505	0,336782295	
1004	RKRRAE	Histone H2B	1,120791592	0,328536488	
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,468128338	0,156181309	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,695402857	0,162595868	
1007	NRQLSSGVS	Heat Shock Protein 28	0,618152571	0,196671284	

1008	VGPDS	p53	0,50442119	0,156762899	
1009	SSSESGAPE	Clathrin light chain B	0,533233643	0,171872828	
1010	TKHIYNLA	Mast/stem cell growth factor receptor	0,536649934	0,128288228	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,522488963	0,197528922	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	0,946031292	0,066476958	On
1013	SNQEYLDLS	Receptor tyrosine kinase	0,857133958	0,393720413	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,62538367	0,150747171	
1015	VGFMEYVA	mitogen-activated protein kinase 1	0,650645401	0,258765025	
1016	QTASSPLSP	Lamin	0,583422784	0,352192796	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	0,705000477	0,305079073	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,505606718	0,189020415	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,524798506	0,274373469	
1020	THVASVSDV	acetyl-CoA carboxylase	0,612144982	0,090440276	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	2,299871229	0,292769031	On
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	0,937777801	0,262969698	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	0,795842817	0,387983427	
1024	KRPSFRAKA	Myelin basic protein	2,629592536	0,469296489	On
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	0,723618144	0,326770154	
1026	QRYSSDPTG	EGF Receptor	0,467557635	0,131458839	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,662853568	0,166217897	
1028	KRRLSFSET	Interleukin-1 alpha	1,606899009	0,397521643	On
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	4,115754745	0,801014116	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,445610106	0,128854906	
1031	LNRMSFASN	acetyl-CoA carboxylase	0,578791621	0,12599302	
1032	EEDTYTMPS	Focal adhesion kinase	0,69210543	0,253797083	
1033	EQEYEDPD	Band 3 anion transport protein	0,859474454	0,393859651	
1034	HVSSSEESI	Alpha-S2 casein	0,562714214	0,255424573	
1035	METPSQRRRA	Lamin C	0,954442119	0,375628608	
1036	PYKFPSSPLRIPGZ		0,464222147	0,153977235	
1037	GNFNVEFT	Myosin regulatory light chain 2	0,971824586	0,247345453	
1038	APRTPGGRR	Myelin basic protein	2,290735201	0,236458449	On
1039	DGNGYISAA	Calmodulin	0,6837005	0,126270068	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,537431879	0,08863652	
1041	GRALSTRAQ	Troponin I	1,641454308	0,335069627	On
1042	EDRMSLVNS	Cystatin S	0,48602539	0,170946361	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	1,032742376	0,391086697	
1044	RRLSSLRAS	40S ribosomal protein S6	1,927287025	0,14300829	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	2,192594513	0,955730875	
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,595743443	0,175519505	
1047	RRPSV	pyruvate kinase	1,453467573	0,026334544	On
1048	APETPGGRR	Myelin basic protein	1,128946356	0,208773787	On
1049	DEEMSETAD	Protein phosphatase inhibitor 2	0,525178167	0,072782336	
1050	FFSSSESGA	Clathrin light chain B	0,729648814	0,197726751	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,576914515	0,136866643	
1052	APTPGGRR	Myelin basic protein	1,567770405	0,512119672	
1053	STNDSPL	Beta-2 adrenergic receptor	0,6207996	0,17881321	
1054	RRKASGPPV	Histone H1.1	1,138435889	0,253244348	
1055	SEENSKKTV	Alpha-S2 casein	0,581210213	0,122894984	
1056	PASPSPQRQ	synapsins IA and IB	0,701856263	0,092871388	
1057	RRASR	pyruvate kinase	2,315701426	0,249967038	On
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,541117694	0,15613583	
1059	TPPLSPIDM	Transcription factor AP-5	0,514426825	0,057365544	
1060	VKGATSDEE	DNA topoisomerase II	0,458123821	0,0440448	
1061	QRATSNVFA	Myosin regulatory light chain 5	0,580873372	0,086319974	
1062	SPRKSPRKS	Histone H6	2,176277041	0,203012196	On
1063	RRRASVA	pyruvate kinase	1,894484895	0,225076711	On

1064	VTPSPPLGP	casein kinase II	0,615348367	0,130963997	
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	0,728593074	0,242793853	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,554631721	0,185432175	
1067	PSPKYPGPQ	Chromogranin A	0,368971707	0,065552717	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,603732944	0,098069591	
1069	TLSDSDDED	N-myc proto-oncogene protein	0,976070187	0,188837856	
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,494047569	0,058792711	
1071	PTKRSPQKG	Histone H2B.1	0,490274691	0,110478598	
1072	KIQASFRGH	neurogranin	2,252075907	0,25827348	On
1073	KRSNSVDTS	Glycogen [starch] synthase	0,984916159	0,369042287	
1074	KRKQISGRGL	Glycogen phosphorylase	0,860511334	0,068101247	On
1075	SQESSEEEQ	high mobility group protein	0,478196745	0,028401332	
1076	KKDVTVPKA	Histone H1	1,305302851	0,253356762	On
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	1,750700071	0,206994205	On
1078	LYSGSEGDS	Serum response factor	0,848020672	0,213802017	
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,609489065	0,327581555	
1080	MPGETPPLS	Transcription factor AP-3	0,668193133	0,22641403	
1081	EEPVYEAEP	Hematopoietic cell-specific LYN substrate	1,138381246	0,397929106	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,765417893	0,284137436	
1083	INETSQHHD	vimentin	0,36539249	0,039524298	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,4211677	0,024206879	
1085	PYKFPSSPLRIPGZ		0,468482453	0,107198795	
1086	GRNASTNDS	Beta-2 adrenergic receptor	0,602282821	0,16821295	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	1,098802408	0,329073282	
1088	DLTSPDVG	Transcription factor AP-4	0,58772669	0,098038278	
1089	GAGNSLRTA	Lamin C	0,822771086	0,173943415	
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	0,612553935	0,145444053	
1091	EEHVYSFPN	Paxillin	0,565315992	0,091402186	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	0,492253778	0,094617537	
1093	RRRRAASVA	pyruvate kinase	2,447315369	0,214717372	On
1094	SIRDTPAKN	Nucleophosmin	0,515931246	0,112894708	
1095	GGYSLG	Lysozyme C	0,618295473	0,181432171	
1096	AAASFKAKK		1,215237576	0,218971905	On
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	0,723308681	0,104211518	
1098	DKEVSDDEA	HSP90-alpha	0,596793317	0,148110116	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	2,170758411	0,302884715	On
1100	RFFGSDRGA	Myelin basic protein	1,025043128	0,366314071	
1101	PRTPGGRR	Myelin basic protein	1,170023662	0,080466172	On
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	1,015986655	0,530632861	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	1,276437861	0,220318619	On
1104	SGDTPRHL	Microtubule-associated protein tau	0,502949731	0,091094403	
1105	KQITVR	Glycogen phosphorylase	1,379523832	0,175214781	On
1106	SSKRA	Myosin regulatory light chain 2	1,512561743	0,094568213	On
1107	SVSSSSYRR	vimentin	3,077566952	0,736554128	On
1108	TRQASISGP	synapsins	0,780177431	0,103231142	
1109	VRTYTHEVV	Cell division protein kinase 2	0,520906604	0,058994303	
1110	REILSRRPS	cAMP response element binding protein	2,299099324	0,661517139	On
1111	GASGSFKL	Histone H1.1	0,553671044	0,122262423	
1112	VRRSDRA	Troponin I	1,250669389	0,245083643	On
1113	VTRRTLSDM	6-phosphofructokinase	1,181994348	0,422026921	
1114	SRRGSESE	phosphoprotein phosphatase 1, 3a	0,991977559	0,098526183	On
1115	PASAYGSVK	Annexin II	0,546047201	0,087908079	
1116	PWQVSLRTR	Plasminogen	0,527067219	0,107445872	
1117	STSRSLYSS	vimentin	1,97867098	0,842672356	
1118	TRGGSLERS	alpha-1B adrenergic receptor	0,774295111	0,107595161	
1119	PFKLSGLSF	MARCKS-related protein	0,527413826	0,042582199	

1120	QEQEYVQAV	Annexin I	0,713771202	0,242184631	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,617049659	1,159754209	On
1122	KYLASASTM	Myelin basic protein	0,858279352	0,098846042	
1123	PRRVSRRRR	Protamine YII	0,562505305	0,085732783	
1124	SRKRSGEAT	6-phosphofructokinase	0,553730016	0,0647189	
1125	KMKDSDSEE	Calmodulin	0,602868001	0,130519019	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,42892054	0,00953717	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	0,511790105	0,128876373	
1128	ISITSRKAQ	GTP-binding protein era	0,801463556	0,199663081	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	0,556307475	0,101143173	
1130	EHIPYTHMN	Insulin Receptor (IR)	0,745207347	0,129837264	
1131	ESMESYELN	Matrix Gla-protein	1,224620416	0,121595363	On
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,729227304	2,063544019	
1133	NKQGYKARQ	Protein kinase C delta	1,241301304	0,14073073	On
1134	PYKFPSSPLRIPGZ		0,494685554	0,10186008	
1135	GSSTSSRPS	vimentin	0,79561062	0,186816607	
1136	AVMVSHYIH	Prolactin	1,276720883	0,13849994	On
1137	DPPGTESFV	Beta-2 adrenergic receptor	1,204326812	0,09740182	On
1138	GFKRSYEEH	Insulin Receptor (IR)	0,73679223	0,097069406	
1139	GSRRRRRRY	protamine	2,435064137	0,635887432	On
1140	EFPLSPPKK	stathmin	0,930835086	0,04995608	On
1141	ESEKTKTKE	myosin II heavy chain	0,572795389	0,019606052	
1142	RSSMSGLHL	acetyl-CoA carboxylase	1,095202278	0,236429199	
1143	SLVNSRAQE	Cystatin S	0,60435961	0,060623871	
1144	RRATVA	pyruvate kinase	1,578138663	0,127993638	On
1145	ADSFSLHDA	galectin-3	0,963570117	0,241046144	
1146	ATRRSYVSS	glial fibrillary acidic protein	1,855973271	0,427656209	On
1147	DNIDSQGRN	Beta-2 adrenergic receptor	0,698579847	0,023609026	
1148	GDSSEGESE	Serum response factor	0,807007186	0,268993871	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	1,4030395	0,156046099	On
1150	AKRSRKE	Histone H2B	1,17626951	0,311627663	
1151	LRRATLG	pyruvate kinase	1,586454341	0,275890531	On
1152	RRSSSVGYI	Acetylcholine receptor protein delta	1,683028234	0,145778695	On
1153	SKVTSKAGS		1,078939312	0,049958853	On
1154	RGYSLG	Lysozyme C	1,243937815	0,108342465	On
1155	AARTPGGRR	Myelin basic protein	2,036463188	0,194686878	On
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	0,693887005	0,06566187	
1157	TTRRSASKT	Fibrinogen alpha	1,895134748	0,461985529	On
1158	WLTKTPEGN	Actin and myosin binding protein	0,556805303	0,076811093	
1159	RGRSSVYSA	myosin heavy chain	1,245659898	0,747234775	
1160	RKRTLRRRL	EGF Receptor	2,006067671	0,340671547	On
1161	LRHASLG	pyruvate kinase	0,757099079	0,120285349	
1162	YNGYSSNS	Beta-2 adrenergic receptor	1,09979922	0,08739682	On
1163	SRTPSLPTP	Microtubule-associated protein tau	0,630979138	0,084339593	
1164	PKKGSKKAV	Histone H2B	0,831329185	0,158020288	
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	1,062051281	0,364859094	
1166	TDDGYMPMS	Insulin receptor substrate 10	0,915181132	0,019697723	On
1167	TRRLTGFLP	Glycogen phosphorylase	1,348494714	0,223316882	On
1168	PPEKTEEEE	somatostatin receptor type 5	0,709055581	0,123574313	
1169	RTGRSGSV	phosphorylase b kinase beta	2,603580083	0,366564032	On
1170	KQSPSSSPT	phosphorylcholine transferase	0,603087316	0,167827488	
1171	LLRPSRRVR	somatostatin receptor type 6	2,342894414	0,87469511	
1172	QMALTPVVV	cell division protein kinase 4	0,802960591	0,142742225	
1173	SRSRSPGRP	Lamin B receptor	3,353196237	0,817111316	On
1174	KRKRSRKES	Histone H2B	2,578288937	0,864036835	On
1175	LQAISPKQS	phosphorylcholine transferase	0,806881039	0,11768322	

1176	QRRRSLEPP	Proto-oncogene tyrosine-protein kinase Src	0,826157851	0,171892368	
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Suppl. Table 3. Average densitometry values for all substrates on the arrays for iNK cells and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYDPM	platelet-derived growth factor receptor	0,932250809	0,084319475	
2	KRPSVRAKA	Myelin basic protein	2,076872119	0,161884968	On
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	0,909350363	0,164947446	
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	0,633177204	0,142517709	
5	HRLLTLDPV	Interleukin-1 receptor	0,736500523	0,083432416	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,618277676	0,077554251	
7	PYKFPSSPLRIPGZ		0,568414111	0,075711753	
8	GKRQTEREK	Troponin T	0,915895033	0,082786764	
9	APATSPKAE	neuromodulin (GAP43)	0,625655911	0,136900726	
10	DEESEQGA	tubulin	0,81210812	0,132957462	
11	FFRRSKIAV	glutamate receptor 2	0,91661274	0,10428499	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,651740196	0,028644717	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,611686771	0,067471394	
14	ELILSPRSK	stathmin	1,034524183	0,283648045	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,479594326	0,055331132	
16	SEDNSEDEI	acetyl-CoA carboxylase	0,815978206	0,054832585	
17	PASLSRAKA	phosphorylcholine transferase	1,143798035	0,02848754	On
18	RRASL	pyruvate kinase	1,525332488	0,488369026	
19	AKKMSTYNV	myosin heavy chain	1,38646111	0,395191544	
20	DDINSYEAW	Coagulation factor IX	1,237711545	0,420421391	
21	ETRFDTTRK	elongation factor 2	1,113080994	0,231159023	
22	QLSTSEENS	Alpha-S2 casein	0,575069381	0,027654145	
23	SPRKSPKKS	Histone H1	1,704724973	0,35858978	
24	RRKASGP	Histone H1.1	1,398196695	0,142193698	On
25	RQLRSPRRT	ras-related protein Rab-4A	2,616556865	0,315254784	On
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,667442648	0,039905602	
27	RTPPPSG	Myelin basic protein	0,737407542	0,088685539	
28	LRRAS	Red cell/liver pyruvate kinase	1,246221787	0,099696996	
29	SSTGSIDMV	Microtubule-associated protein tau	0,558785482	0,079728959	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	2,176051956	0,371438668	On
31	VGAFSTVKG	rhodopsin kinase	1,013740021	0,185165215	
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,642552706	0,050789794	
33	SPGEYVNIE	Insulin receptor substrate 1	0,714371371	0,124846286	
34	RKRSAKE	Histone H2B	1,626893625	0,241100657	On
35	VINETSQHH	vimentin	0,647290773	0,016243161	
36	SPVVSGDTS	Microtubule-associated protein tau	0,519227139	0,081527175	
37	LRRFSLATM	Cytochrome P450 2B1	1,563739321	0,092796321	On
38	PRPASVPPS	Glycogen [starch] synthase	0,831963196	0,155003547	
39	SSRPSSNRS	vimentin	1,521491118	0,125508909	On
40	TKFASDDEH	Lupus La protein	0,675520766	0,040239088	
41	LSDDSFIED	DNA topoisomerase II	1,139610937	0,105758124	
42	PSPKTPPGS	Microtubule-associated protein tau	0,736805737	0,058197442	
43	KDIGSESTE	Alpha-S1 casein	0,742220267	0,040787524	
44	KRRGSVPIL	erythrocyte protein 4.2	2,361317662	0,41753872	On
45	KRAKAKTAKKR	Myosin regulatory light chain 2	3,945174124	0,823707289	On
46	QSYSSQRV	Desmin	0,937423063	0,101262913	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	1,193200327	0,060758051	On
48	KRSLSEMEI	Serum response factor	0,650048617	0,023685383	
49	KRKQGSVRGL	Glycogen phosphorylase	2,067908736	0,611471357	
50	HTRDSEAQR	erythrocyte band 7	0,617313885	0,126511075	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,658475809	0,100857729	
52	EEGISQESS	high mobility group protein	0,646909999	0,083639387	
53	EQQQTEDEL	Beta casein	0,652347401	0,1602044	
54	IGEGTYGVV	Cell division protein kinase 2	0,763717136	0,125652031	
55	MMPYVVTR	Stress-activated protein kinase JNK1	0,873981337	0,114086609	

56	PYKFPSSPLRIPGZ		0,67545293	0,111227024	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,947293683	0,351643566	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,674089178	0,158935995	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	0,913610075	0,297387161	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,540114796	0,100218874	
61	GRLSSMAMI	myosin light chain kinase	0,922522887	0,248920162	
62	EEDLSDENI	transcription factor BAF1	0,701453177	0,13001713	
63	EPGPYAQPS	Proto-oncogene C-crk	0,693004431	0,077792006	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,845133092	0,290799221	
65	SGADYPDEL	Trypsin I	0,995389995	0,397963937	
66	KQISVR	Glycogen phosphorylase	1,529000361	0,632441679	
67	SLKDH	L-lactate dehydrogenase M	0,572808818	0,182341579	
68	APRTAGGRR	Myelin basic protein	1,95762479	0,595203417	
69	DGHEYIYVD	platelet-derived growth factor receptor	0,748627172	0,190213159	
70	FKRSYEEHI	Insulin Receptor (IR)	0,650404286	0,117762952	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	1,300194053	0,268446221	
72	DRVYVHPF	Angiotensinogen	0,795725954	0,208529369	
73	VRRSDAA	Troponin I	0,678744482	0,192849776	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	1,237003946	0,582514727	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,805515854	0,302785986	
76	PRRASATSS	Glycogen [starch] synthase	1,024352634	0,274148573	
77	RRLSI	phosphorylase b kinase alpha	1,762816175	0,59245513	
78	STLSLSPFYL	Alpha crystallin B	0,727268537	0,13173379	
79	TRDIYETDY	Insulin Receptor (IR)	1,019360001	0,262831679	
80	VPTLSTFRT	Desmin	0,9924032	0,228058386	
81	RASTSKSES	40S ribosomal protein S6	0,730135342	0,102665027	
82	SPSSSPTHE	phosphorylcholine transferase	0,580946913	0,152536	
83	STNDSL	Beta-2 adrenergic receptor	0,796956453	0,220753559	
84	VRTFTHEVV	Cell division protein kinase 2	0,94976965	0,279676234	
85	SRKMSVQEY	phosducin	0,83730559	0,047282688	
86	LSGLSFKRN	MARCKS-related protein	1,531707451	0,670460249	
87	PTGTPQQRK	Kinesin-related motor protein Eg5	0,665511735	0,11047479	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	1,558175207	0,642938603	
89	TPPKSPSSA	Microtubule-associated protein tau	0,616779784	0,151941626	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,625876665	0,131052142	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,770759896	0,130541543	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,84537517	0,03030508	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	1,201263904	0,408493648	
94	LSVSSLPGL	Glycogen [starch] synthase	0,650455835	0,131072897	
95	SRHSSPHQS	Glycogen [starch] synthase	0,905654159	0,156887695	
96	KKPPTPPPE	Large T antigen	0,891959034	0,214264025	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,23329448	0,359775754	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,860026861	0,209413536	
99	ILDTTGQEE	K-Ras	1,114316413	0,176674471	
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,734983764	0,043829121	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,614341666	0,123443845	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,582262822	0,058090891	
103	IRRASTIEM	Cardiac phospholamban	0,975598821	0,178054735	
104	NFDDYMKSL	Fatty acid-binding protein	0,872869002	0,103780119	
105	PYKFPSSPLRIPGZ		0,68881072	0,043201244	
106	GRTGRRNSI		4,188329546	0,263236237	On
107	ATPIYLDIL	TrkC tyrosine kinase	1,012980818	0,108936418	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,561094881	0,103200378	
109	GDRFTDEEV	Myosin regulatory light chain 2	1,239975189	0,327398547	
110	GSGSSVTSR	Desmin	0,906750774	0,218776274	
111	EEPQYEEIP	Middle T antigen	1,282546904	0,126895842	

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	0,77994834	0,065176329	
113	RRSSSRPIR	Protamine YI	2,509083385	0,426559811	On
114	SKIGSTENL	Microtubule-associated protein tau	0,767483824	0,135426701	
115	NDMTSL	Tropomyosin 1 alpha	0,682820016	0,126232166	
116	AARLSLTDP	platelet glycoprotein IB	0,66111442	0,052816942	
117	ARRSTTDAG	Choriogonadotropin beta	0,616539193	0,085486704	
118	DLKDTKYKL	myosin II heavy chain	0,742221982	0,10944445	
119	GAFSTVKGV	rhodopsin kinase	1,069589542	0,160779257	
120	RGRASSHSS	Lamin A/C	1,792433297	0,244248284	On
121	RKRSRAEF	Histone H2B	1,338978168	0,028515665	On
122	LRAASLG	Red cell/liver pyruvate kinase	1,22362688	0,05224961	On
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	1,853637045	0,262557424	On
124	SIDEYFSEQ	Interferon receptor	0,964232428	0,104163174	
125	EESESD	synaptic vesicle amine transporter	1,024270508	0,193008478	
126	RRRS	Troponin I	3,137742494	0,149202885	On
127	TAYGTRRHL	calponin alpha and beta	2,806916955	0,108603742	On
128	TRRISQTSQ	ryanodine receptor	1,597409538	0,070817722	On
129	VTPRTPPPS	Myelin basic protein	0,815091002	0,115749011	
130	REVSSLKSK	myosin heavy chain	1,30519649	0,09518013	On
131	PEETQTQD	HSP90-alpha	0,780417503	0,094870811	
132	KKQISVR	Glycogen phosphorylase	1,753603015	0,290545253	On
133	WLTKSPDGN	caldesmon	0,795894811	0,057308546	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	2,334790333	0,347080071	On
135	PETVYEVAG	Cortactin	1,302030007	0,187380186	
136	QEPGSGPPE	somatostatin receptor type 3	0,628453486	0,022225843	
137	SVSSSPIKE	transcriptional factor SWI5	0,752441627	0,09130951	
138	TRLHSLRER	Sucrose synthase 1	2,124150755	0,179479796	On
139	PKEVYDVML	TrkC tyrosine kinase	0,876770531	0,223000492	
140	PRTPGGRR	Myelin basic protein	2,813029149	0,638161854	On
141	KLSPSPSSR	Lamin B1	1,548538764	0,10327768	On
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	1,607596318	0,378615342	
143	QASSTPLSP	Lamin A/C	0,762651517	0,126169896	
144	SRRDSLFP	Sodium channel protein type II alpha	0,9513793	0,13505479	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	1,004629029	0,102721867	
146	LLQDSVDFS	vimentin	1,087441127	0,227872901	
147	QLSTSEENS	Alpha-S2 casein	0,886396443	0,080405687	
148	KIQASFRGH	neurogranin	2,831706221	0,563737283	On
149	NKGASQAGM	calponin alpha and beta	0,967944516	0,142558098	
150	EIVESLSSS	Beta casein	0,636689071	0,043398151	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,737366807	0,119543046	
152	KRPSKRAKA	Myelin basic protein	1,479796174	0,355291492	
153	NRAITARRQ	Troponin I	1,772407058	0,243688182	On
154	PYKFPSSPLRIPGZ		0,667514353	0,20703501	
155	GSRPSESNG	Lens fiber major intrinsic protein	0,714931274	0,051070903	
156	DAHKSKRQH	transcription factor BAF1	1,060920492	0,071934457	
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	1,094145946	0,158233083	
158	GGRDSRSGS	Myelin basic protein	0,832693714	0,225399079	
159	GVERSVRPT	phosphorylase b kinase alpha	1,015338865	0,248945648	
160	EGVKSDQAE	neurofilament triplet M	0,643345756	0,175099612	
161	ESLSSSEES	Beta casein	0,65388742	0,231775521	
162	RVRMSADAM	Troponin I	0,749344688	0,113037518	
163	SNPTYSVMR	Middle T antigen	1,786459452	0,364583625	
164	SSKRAK	Myosin regulatory light chain 2	1,515170348	0,277093682	
165	AGDGSDEEV	myosin heavy chain	0,971070777	0,153828526	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,703774476	0,135198208	
167	DPLLTFRFP	Lamin A/C	0,7129217	0,166130423	

168	GENIYIRHS	erythrocyte protein 4.1	1,046644823	0,411251611	
169	RLSPSPTSQ	Lamin C	0,820433656	0,147000242	
170	RKESYSV	Histone H2B	0,96813025	0,176468495	
171	PLSRTL	Glycogen [starch] synthase	0,779410835	0,129056557	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	1,018123781	0,273536987	
173	SLSSSEESI	Beta casein	0,995554426	0,284818859	
174	LRRASLAG	Red cell/liver pyruvate kinase	1,596180778	0,405250963	
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	1,256245736	0,337261465	
176	THERSPSPS	phosphorylcholine transferase	0,776235117	0,022553736	
177	TVTRSYSRV	Lamin A/C	2,782705461	0,178585135	On
178	YETDYRKG	Insulin Receptor (IR)	1,169643626	0,201951809	
179	RKQISVRGL	Glycogen phosphorylase	1,623685562	0,245580697	On
180	AGTTYAL	myosin heavy chain IA (fragment)	0,74525004	0,127142863	
181	LRRASVA	pyruvate kinase	1,373373548	0,352721165	
182	YRGYSLGNW	Lysozyme C	0,722382925	0,207510771	
183	SSLKSRKRA	spermatid nuclear transition protein 1	2,433306573	0,660561843	
184	PMRRSVSEA	hormone sensitive lipase	0,897632072	0,046060502	
185	RSKRSGSV	phosphorylase b kinase beta	2,937395437	0,31696559	On
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,880063648	0,127924347	
187	TTPLSPTRL	Lamin B2	1,233629217	0,095395817	
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,850039907	0,164825195	
189	VKRGISGL	Histone H4	1,530477838	0,269242613	
190	KRKQISVRG	Glycogen phosphorylase	2,84319548	0,59533685	On
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	0,976000786	0,219328041	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	1,155575089	0,135520202	
193	SRTLVSSSL	Glycogen [starch] synthase	0,99302932	0,035581289	
194	KRPSEKA	Myelin basic protein	2,132826435	0,145741831	On
195	LRGRSFMNN	6-phosphofructokinase	1,53188838	0,127925662	On
196	QRVSSYRRT	Desmin	3,19615626	0,456413378	On
197	HDLSEMFN	Prolactin	0,683123399	0,140894898	
198	KRPSRAKA	Myelin basic protein	2,692267387	0,345648917	On
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	1,557068626	0,403716642	
200	ENAPSSTSS	DNA topoisomerase II	0,57042569	0,045184549	
201	HMRSSMSGL	acetyl-CoA carboxylase	1,275486568	0,089289842	On
202	LDRSSHAQR	Insulin Receptor (IR)	0,636673681	0,043139372	
203	PYKFPSSPLIPGZ		0,538851645	0,026748541	
204	GKEIYNTIR	Ras p21 activator protein	0,730847956	0,191624378	
205	APATPGGRR	Myelin basic protein	2,236244346	0,259189065	On
206	DEEESSEAK	elongation factor 1-beta	0,781196493	0,094767738	
207	FFKKSIST	glutamate receptor 6	1,546271084	0,52760008	
208	GMGTSVERA	pyruvate dehydrogenase E1	0,71706642	0,108043229	
209	DYDSSDIED	cactus	1,996035703	0,507186738	
210	EKRASGQAF	stathmin	0,752476223	0,0423332	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,566584319	0,058923211	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,742716184	0,074991059	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	1,263544556	0,199274709	
214	RRASI	pyruvate kinase	2,428309177	0,484361097	On
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,708252544	0,023555601	
216	DDMTGYVA	Mitogen-activated protein kinase p38	0,877574608	0,084488617	
217	ETDYRKG	Insulin Receptor (IR)	0,7880736	0,126250979	
218	YVTTSTRTY	vimentin	1,17548863	0,160104512	
219	SPQPSRRGS	protein phosphatase 1	2,390922232	0,431799255	On
220	RRAASVA	pyruvate kinase	1,639610377	0,162581147	On
221	RPSENGQP	Lens fiber major intrinsic protein	0,504372192	0,038981294	
222	SASTTPVKK	Histone H1	1,149597913	0,069003263	
223	NSYGSRRG	iron-responsive element binding protein	2,679994189	0,636323078	On

224	LRRASL	pyruvate kinase	1,233949837	0,128241903	
225	SSTDSADSG	Early E1A	0,580761434	0,055282385	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	1,340028255	0,088702347	On
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,709933661	0,043309074	
228	YSFTTTAER	Actin	0,524583521	0,124924124	
229	SPFKYQSL	Beta-2 adrenergic receptor	0,635573671	0,095171877	
230	RKRSAAE	Histone H2B	1,130995732	0,042729479	On
231	VIKRSPRKR	transcriptional factor SWI6	3,176897733	0,247320189	On
232	SPVKSPEAK	neurofilament triplet M	0,673000137	0,06885946	
233	LRRASVAQL	pyruvate kinase	1,928796347	0,096551681	On
234	PRMPSLSVP	Sodium channel protein	0,536196965	0,044793161	
235	SSPVYQDAV	Cortactin	0,804560649	0,057382323	
236	TKDITYDALH	T-cell surface glycoprotein CD3 zeta	0,671789244	0,075821902	
237	LRSPSWEFP	Heat Shock Protein 26	0,725518501	0,114237173	
238	PSLPTPPTR	Microtubule-associated protein tau	1,285501394	0,233843649	
239	KASASPRRK	Histone H3	2,758843085	0,513807741	On
240	KRRDYDLA	Probable receptor with tyrosine-protein kinase activity	0,794999209	0,092972151	
241	PAPAVRASDRA	Troponin I	0,599477692	0,036616146	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,651322465	0,092935763	
243	KGQESFKKQ	Nucleophosmin	1,781692692	0,164505368	On
244	KRSGSVYEP	phosphorylase b kinase beta	2,177179888	0,195421224	On
245	KRAQISVRGL	Glycogen phosphorylase	2,547296418	0,308124088	On
246	HSSQSQGGG	Lamin C	0,58496289	0,012437401	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	1,097116088	0,266533594	
248	EEESSYSYE	RNA polymerase alpha	2,331476056	0,728498033	
249	EQPGSDEED	Ornithine decarboxylase	1,06125973	0,390670747	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,616136235	0,080982783	
251	MLDHSESTK	myelin	0,695584642	0,047261541	
252	PYKFPSSPLRIPGZ		0,720826683	0,046154647	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	1,802832506	0,090980224	On
254	AQDTYLVLD	Erythropoietin Receptor	0,910350248	0,118515765	
255	DIPESQMEE	Band 3 anion transport protein	0,864427502	0,080868371	
256	FPRASFGSR	Desmin	2,345501613	0,361649826	On
257	GRKASGSSP	myosin light chain kinase	1,418011805	0,084391374	On
258	EDVGSDEEE	HSP90-alpha	1,434616503	0,377751209	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	1,0405223	0,231095145	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	1,073726783	0,139736202	
261	SFTTTAERE	Actin	0,714661422	0,036899319	
262	PLSRTL	glycogen synthase	0,807662325	0,105490479	
263	SGRGK	Histone H4	1,523626826	0,038187582	On
264	APRSPGGRR	Myelin basic protein	2,954066064	0,139017802	On
265	DGERYDEDE	Glycogen [starch] synthase	1,619888087	0,343242467	
266	FKRPTLRRV	troponin I	3,273670887	0,116813868	On
267	REAEYEPET	Cortactin	1,169419572	0,253342355	
268	DRVYIHPF	Angiotensinogen	0,941892887	0,093986507	
269	VRRISGL	Histone H4	1,763690321	0,266416031	On
270	RRKGTDVNV	Annexin I	1,463986014	0,120300821	On
271	SETKTEEEE	DNA topoisomerase II	0,937127451	0,16465544	
272	PQRATSNVF	Myosin regulatory light chain 2	1,065734959	0,137602832	
273	RRGSV	pyruvate kinase or palladin	2,390979473	0,295478709	On
274	STSKSESSQ	40S ribosomal protein S6	0,742469405	0,158672036	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	1,795682767	0,331175199	On
276	VPRTPGGRR	Myelin basic protein	3,182735396	0,386690194	On
277	RASSRSVR	Lamin B0	4,135748472	1,019243292	On
278	SPSSSPASL	phosphorylcholine transferase	0,739255708	0,12771421	
279	RVYVHPF		1,813882815	0,351521814	On

280	VRRVSDDV	Tyrosine 3-monooxygenase	0,781012409	0,077255044	
281	SRKMSIQEY	phosducin	0,854896195	0,129047462	
282	LSGFSEFKKS	myristolated alanine-rich C-kinase substrate	1,773882688	0,159905448	On
283	PSSTSSSSI	DNA topoisomerase II	0,764037357	0,137779652	
284	STGIYEALE	Alpha enolase	1,372990327	0,402893507	
285	TPPKSPSAS	Microtubule-associated protein tau	0,841916457	0,017635184	
286	LYSSSPGGA	vimentin	0,702943974	0,049775584	
287	PVPKSPVEE	neurofilament triplet M	0,674917566	0,119217195	
288	KKASFKAKK		3,134601594	0,821999897	On
289	KSPAKTVPK	Actin and myosin binding protein	2,043551318	0,203301944	On
290	PLSKTLSVSS	Glycogen [starch] synthase	0,900289868	0,013450887	
291	SRGKSSSYS	Fibrinogen alpha	1,681258596	0,224493236	On
292	KKLGSKKPQ	Sodium channel protein type II alpha	2,387077238	0,860060557	
293	KTASTRKV	cystic fibrosis transmembrane conductance regulator	3,149888417	0,493445714	On
294	PRRTRRAS	Protamine YII	0,878944964	0,209695983	
295	IHQRSRRL	Neutrophil cytosol factor 2	1,636216523	0,741962077	
296	NDALSGSGN	galectin-3	0,618203616	0,062711676	
297	EETQTQDQP	HSP90-alpha	0,627682822	0,062633144	
298	ERSQSRKDS	alpha-1B adrenergic receptor	0,959605767	0,247730459	
299	IRQASQAGP	synapsins	0,644217302	0,096457613	
300	NFDDYMKEV	Fatty acid-binding protein	0,792411657	0,302821938	
301	PYKFPSSPLRIPGZ		0,576116388	0,131053438	
302	GRRQSLIQD	tyrosine 3-monooxygenase	0,917012628	0,015368302	
303	ASFEYTILD	Erythropoietin Receptor	0,922318199	0,110743474	
304	DLSTYASIN	Insulin receptor substrate 2	0,722065557	0,094556216	
305	GDNDYIPL	platelet-derived growth factor receptor	0,821422018	0,17956383	
306	GSESTEDQA	Alpha-S1 casein	0,781449123	0,258093594	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,757753209	0,151948039	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	1,084088149	0,267764071	
309	RRRSRSRS	Lamin B receptor	3,144556596	0,4751389	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,67758929	0,079528925	
311	NDITSL	Tropomyosin beta	0,793148541	0,058656182	
312	AARGSFDAS	rhodopsin kinase	0,699014914	0,083250597	
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,662578675	0,052141955	
314	DLFGSDEED	elongation factor 1-beta	0,95533683	0,224891626	
315	FSSRSYTSG	Keratin 8	1,412629709	0,45616089	
316	RGKSSYSK	Fibrinogen alpha	1,329297744	0,400116076	
317	RKRSRAEA	Histone H2B	1,080886494	0,354911059	
318	LKRASLG	pyruvate kinase	0,82634225	0,187047473	
319	RRRPTPATL	Protein phosphatase inhibitor 1	1,521292664	0,367435248	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,83285531	0,200410887	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	1,385936248	0,375816845	
322	RRRRASVA	pyruvate kinase	3,457764876	0,674582985	On
323	TATDYHTTS	Band 3 anion transport protein	0,781057843	0,072048311	
324	TRRASRPVR	Protamine YII	1,869727	0,764396575	
325	VSSSYRRM	vimentin	2,117261345	0,572788538	
326	REVSSLKKNK	myosin heavy chain	1,219274111	0,344758807	
327	LSYRRYSL		1,724034383	0,406149822	
328	KKKASVA	pyruvate kinase	1,063357086	0,249198963	
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	1,522918904	0,485670319	
330	SRRQSVLVK	glutamate receptor 6	1,684571897	0,328227693	
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	1,887785337	0,305534235	On
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	0,872182973	0,258687754	
333	SVPPSPSLS	Glycogen [starch] synthase	0,679333204	0,078430107	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	0,970556209	0,210500023	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	1,387360304	0,381692438	

336	KRKQISVR	Glycogen phosphorylase	2,750667546	0,922146597	
337	KLRRSSSVG	Acetylcholine receptor protein delta	2,949890408	0,813185533	On
338	LDPLSEPED	Thyroid hormone receptor alpha	1,290307896	0,414626907	
339	QAGMTAPGT	calponin alpha and beta	0,616133232	0,086468345	
340	SRRASRPVR	Protamine Z	1,730603705	0,045739267	On
341	KPGFSPQPS		0,936942897	0,024513878	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	0,950707751	0,405081018	
343	QLNDSSEEE	E7 protein	1,112852022	0,536396444	
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	1,266606151	0,142848517	
345	NIYISPLKS	Retinoblastoma-associated protein	1,285266585	0,087610046	On
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	0,735432604	0,101395714	
347	ESRISLPLP	vimentin	0,717730471	0,074060726	
348	KRPSIRAKA	Myelin basic protein	2,399166519	0,18479064	On
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,10520729	0,090023377	
350	PYKFPSSPLRIPGZ		0,650046158	0,159764272	
351	GSRGSGSSV	Desmin	1,081074346	0,227457881	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,74440043	0,08863166	
353	DRRVSVAE	cAMP-dependent protein kinase II (PKA)	0,646883091	0,074572359	
354	GGRASDYKS	Myelin basic protein	1,159214293	0,192971549	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,772245126	0,077170215	
356	EGTHSTKRG	Fibrinogen alpha	1,200488613	0,269555275	
357	ESLESYEIN	Matrix Gla-protein	1,061046106	0,040065884	
358	RVRKTKGKY	glutamate receptor 1	2,514384423	0,26963905	On
359	SNPEYLSAS	Insulin Receptor (IR)	0,991443451	0,229331139	
360	RRSTVA	Protamines Z1 and Z2	1,716491096	0,197972521	On
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,597322906	0,134652928	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,679012595	0,101715632	
363	DPGVSYRTR	pyruvate dehydrogenase E1	1,501298209	0,24049692	
364	GEINTEDDD	calsequestrin	1,061776106	0,218316674	
365	RLSISTESQ	phosphorylase b kinase alpha	0,782054958	0,126929129	
366	RKEISVR	Glycogen phosphorylase	1,802787753	0,147680669	On
367	PGSPQKR	Histone H2	0,799638286	0,059062786	
368	RSGYSSPGS	Microtubule-associated protein tau	1,038725867	0,261682239	
369	SLRASTSKS	40S ribosomal protein S6	1,762326998	0,246122555	On
370	VRKISGL	Histone H4	1,313966332	0,244688585	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	0,913780819	0,238790444	
372	TGFLTEYVA	myelin	1,037297698	0,2072529	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,800723164	0,190282023	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	1,486696877	0,175478467	On
375	RKLKSQGTR	spermatid nuclear transition protein 2	1,771938354	0,14602622	On
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	1,858226469	0,394973639	
377	LRRASPG	pyruvate kinase	1,360048283	0,266181059	
378	YMAPYDNYV	platelet-derived growth factor receptor	1,330728822	0,118024612	On
379	SSKAYGNGY	Beta-2 adrenergic receptor	0,966733491	0,282095233	
380	PLTPSGEAP	EGF Receptor	0,96220068	0,097758861	
381	RRRRPTPA	pyruvate kinase	5,432932984	1,286180459	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,937040956	0,039293466	
383	TSSSIFDI	DNA topoisomerase II	1,039060771	0,133284598	
384	PPSPSLSRH	Glycogen [starch] synthase	2,80628903	0,154304198	On
385	SSKRAKAK	Myosin regulatory light chain 2	2,699553013	0,657068341	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	1,708036871	0,171768539	On
387	LNRMSFASN	acetyl-CoA carboxylase	1,247234671	0,085740815	On
388	QRHGSKYLA	Myelin basic protein	0,899533541	0,020430068	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,869637646	0,169446018	
390	KRPSDRAKA	Myelin basic protein	2,338548584	0,033724307	On
391	LRGPSWDPF	Heat Shock Protein 27	0,884670291	0,138958525	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,677021073	0,050975086
393	HDALSGSGN	galectin-3	0,623857468	0,128619093
394	KRPSQRAKY	Myelin basic protein	1,846847724	0,869731912
395	EDNEYTARE	Tyrosine-protein kinase Hck	1,040490459	0,437317654
396	ENAFSPSRS	caldesmon	0,542069925	0,119957604
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,59589773	0,10755099
398	LAYESHESM	Matrix Gla-protein	0,617623303	0,061334758
399	PYKFPSSPLRIPGZ		0,781476666	0,161389085
400	GHQGTVPSPD	Beta-2 adrenergic receptor	0,561663687	0,115673936
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,499518311	0,073203697
402	DEASTTVSK	Rhodopsin	0,584622168	0,109013882
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,674661481	0,190540291
404	GLLRSWNDP	Prolactin	0,780781805	0,040426163
405	DTVTSQARA	Proto-oncogene tyrosine-protein kinase Src	1,494242251	0,792889085
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,812819489	0,094658417
407	RRASTIEMP	Cardiac phospholamban	0,87187204	0,330934118
408	SDEESNDDS	calsequestrin	0,863816093	0,225057889
409	NVFSSPGGT	Actin and myosin binding protein	0,599481353	0,049390423
410	RRASF	pyruvate kinase	1,641529474	0,863561659
411	AKGGTVKAA	annexin IV	1,026520867	0,362478339
412	DDEITQDEN	muscarinic acetylcholine receptor M2	0,803447271	0,233496977
413	ETDDYAEII	Focal adhesion kinase	0,705942239	0,121022239
414	YTTNSPSKI	transcriptional factor SWI7	0,565343886	0,090652702
415	SPLKSPYKI	Retinoblastoma-associated protein	0,891842646	0,360743731
416	RKRRTRKE	Histone H2B	1,67091866	0,724032651
417	RPPGFTPFR		1,221292213	0,50675132
418	SASGTPNKE	caldesmon	0,540826998	0,092008649
419	NSVDTSSLS	Glycogen [starch] synthase	0,676869892	0,116171469
420	LRANSI	cystic fibrosis transmembrane conductance regulator	0,771618894	0,159229342
421	SSSSPSRR	Lamin B receptor	1,56861068	0,474902498
422	TKSASFLKG	nodulin-26	0,973189952	0,321449774
423	VESLSSSEE	Beta casein	0,82747219	0,207002317
424	YRRNSVRFL	Neutrophil cytosol factor 3	1,886542755	0,921338038
425	SPALTGDEA	Insulin receptor substrate 4	0,743862194	0,169836224
426	RKQITVR	Glycogen phosphorylase	2,107726586	0,958132329
427	VHNRSKINL	HMG-CoA reductase	1,199217685	0,358055552
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,609028099	0,092424964
429	LRRASLGAF	pyruvate kinase	1,781879926	0,600616105
430	PRKGSPRKG	Histone H2B.2	1,187109301	0,438077935
431	SSPGSPGTP	Microtubule-associated protein tau	0,685087438	0,127697177
432	TKAASEKKT	myelin	0,831129876	0,22458408
433	LRRSSSVGY	Acetylcholine receptor protein delta	3,383154895	1,446529461
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	0,734042891	0,119153269
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,747978744	0,102092802
436	KRQSSTSNA	phosphorylase b kinase beta	1,289604453	0,313530174
437	QKRPSQRSKYL	Myelin basic protein	2,001211112	0,713574124
438	QSPSSSPH	phosphorylcholine transferase	0,616407819	0,08252952
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	1,066943015	0,376117165
440	KRRSSSYHV	Sodium channel protein type II alpha	3,848792139	1,515501575
441	KAKQISVRGL	Glycogen phosphorylase	1,807385959	0,650076198
442	HSIYSSDDD	Myb proto-oncogene protein	0,863666502	0,328591698
443	LVMQTAAGT	myosin light chain kinase	1,096606468	0,285509894
444	EEELYLEPL	Tyrosine-protein kinase receptor	1,177420643	0,361700218
445	EQLSTSEEN	Alpha-S2 casein	0,734427587	0,197460845
446	IDMESQERI	Transcription factor AP-1	0,707721194	0,112092049
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,700024556	0,060632612

448	PYKFPSSPLRIPGZ		0,673944763	0,104224983	
449	GPAASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,525971346	0,052250963	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,835965603	0,067349799	
451	DHSRSTKAA	myelin	1,50288373	0,084081937	On
452	FPFHSPSRL	Alpha crystallin B	1,982278093	0,289010103	On
453	GRILTLPRS	Insulin Receptor (IR)	2,308378263	0,840707797	
454	EDVGSDEED	Heat Shock Protein 90-beta	1,338720127	0,428084521	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,695056926	0,082976231	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	1,137744221	0,109138519	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,683108508	0,049857692	
458	PGTESFVNA	Beta-2 adrenergic receptor	0,793596904	0,174729594	
459	SDEEV	Troponin T	1,001646525	0,212312643	
460	APQTPGGRR	Myelin basic protein	2,317097311	0,651066317	
461	DFPLSPPKK	stathmin	1,081711437	0,027965284	On
462	FKAFSPKGS	Actin and myosin binding protein	1,652604625	0,130580599	On
463	RDSNYISKG	platelet-derived growth factor receptor	0,966961584	0,223351664	
464	DDEESESD	synaptic vesicle amine transporter	1,572438068	0,32769278	
465	VKRISGL	Histone H4	1,482003637	0,18450474	On
466	RRKDYPALH		1,169850739	0,021250905	On
467	SEKSKGLG	myelin	0,997452038	0,012021435	
468	PPSAYGSVK	Annexin II	1,419389347	0,158505977	On
469	RRFSV	pyruvate kinase	2,454408388	0,414642301	On
470	STRRSVGRS	multidrug resistance protein 1	4,794770558	1,237521109	On
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	4,04556688	0,491673672	On
472	VNELSKDIG	Alpha-S1 casein	0,863811151	0,026903725	
473	RAGETRFTD	elongation factor 3	0,712089512	0,068674442	
474	SPSPSFRWP	phosphorylcholine transferase	1,135026513	0,262261709	
475	RVSGSRR	Lamin C	4,778630332	1,291045941	On
476	VRLRSSVPG	vimentin	2,042634295	0,209355148	On
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	0,891329547	0,084724041	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,81184107	0,185240211	On
479	PSRRSRRS	Lamin B receptor	0,820567373	0,152918828	
480	STDYYREGP	TrkC tyrosine kinase	1,757609312	0,240807084	On
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	2,012821788	0,341396845	On
482	LVVASAGPT	RNA polymerase alpha	0,818678499	0,044584406	
483	PVPEYINQS	EGF Receptor	1,133641834	0,190441895	
484	KKAESPVKE	neurofilament triplet M	1,146302265	0,096967919	
485	KSLNYIDLD	Insulin receptor substrate 5	1,274401327	0,261988918	
486	KRKQISVRGL	Glycogen phosphorylase	2,381001728	0,342485255	On
487	SRGDYMTMQ	Insulin receptor substrate 6	0,697231558	0,041896156	
488	KKKSGEDD	eukaryotic translation initiation factor 4F	1,065043936	0,18568275	
489	KTSPSSSPA	phosphorylcholine transferase	0,944028724	0,175357433	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	0,842322818	0,140958661	
491	IGSVSEDNS	acetyl-CoA carboxylase	1,921870449	0,996868085	
492	NAPVSALGE	Myb proto-oncogene protein	0,663278974	0,233945166	
493	EETPYSYPT	Paxillin	1,651682129	0,632245859	
494	ERSPSPSFR	phosphorylcholine transferase	1,927244218	0,776020918	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	2,487528854	1,034589987	
496	NEEESYSY	RNA polymerase alpha	2,031345315	0,640434099	
497	PYKFPSSPLRIPGZ		0,86624345	0,199263704	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,987436768	0,316612032	
499	ASATSSSGG	Glycogen [starch] synthase	0,648155463	0,231942295	
500	DLPMSPRTL	Signal Transducer and Activator of Transcription 3	0,645469869	0,162686863	
501	GDLQSAEFH	Cystatin	0,84543498	0,247584283	
502	GSEEMYMMD	Insulin receptor substrate 3	0,725785546	0,147308352	
503	EENTYDEYE	Cortactin	0,995926659	0,199757425	

504	ERRKSHEAE	stathmin	1,209240318	0,508915837	
505	RRRVTSATR	glial fibrillary acidic protein	2,522604221	1,208595076	
506	SKDSSKRGR	myelin	2,471244102	1,189072838	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,713975699	0,254341919	
508	AALESEDED	eukaryotic translation initiation factor 4F	1,24973145	0,571519669	
509	ARKSTRRSI	pleckstrin	2,428913805	1,16710307	
510	DLFGSDDEE	elongation factor 1-beta	1,075790406	0,389890965	
511	FRRLSISTE	phosphorylase b kinase alpha	0,92274514	0,31403194	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	1,04171451	0,320186193	
513	RKISASEF		0,936433948	0,298703854	
514	LHRASLG	pyruvate kinase	0,961872349	0,374089064	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,369247753	0,467738485	
516	SGYSSPGSP		0,676774086	0,153130407	
517	LGEFTP	Calgranulin B	0,721045318	0,199755287	
518	RRLSSLRA	40S ribosomal protein S6	3,822916852	1,490355265	
519	TAESSQAE	Neuromodulin	0,802817415	0,203514296	
520	TRRASFSAQ	Regulatory protein ADR1	1,65228839	0,706934981	
521	VSRTSAVPT	Desmin	0,745235764	0,158170438	
522	REQLSTSEE	Alpha-S2 casein	0,71649335	0,30483284	
523	LSYRGYSL		0,653495164	0,191411289	
524	KASGSSP		0,735652082	0,246866005	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	1,385738389	0,540633583	
526	SRRPSYRKI	cAMP response element binding protein	1,730835823	0,721466863	
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	1,36333146	0,260290671	
528	QEGDTDAGL		1,005548902	0,398320143	
529	SVFSSPAS	caldesmon	0,64025575	0,234498583	
530	TRKISQTAQ	ryanodine receptor	0,801592357	0,308189492	
531	PINGSPRTP	Retinoblastoma-associated protein	0,774966328	0,323425575	
532	KQISVRGL	Glycogen phosphorylase	1,844722305	0,884140471	
533	KLINSIADT	Serine/threonine-protein kinase STE7	0,764870519	0,181455662	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	1,400149136	0,624042437	
535	PYDNYVPSA	platelet-derived growth factor receptor	1,17905104	0,567083656	
536	SRQLSSGVS	Heat Shock Protein 27	0,774918091	0,149586436	
537	KNIVTPRTP	Myelin basic protein	1,593056567	0,599969113	
538	LKLASPELE	Transcription factor AP-2	0,494216678	0,108309745	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,64793941	0,213998699	
540	IVYKSPVVS		1,226161423	0,131281854	
541	NGYISAAEL	Calmodulin	1,486211468	0,771989729	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,634693841	0,098363337	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,711255549	0,147466356	
544	KRPSHRAKA	Myelin basic protein	1,798174898	0,127639532	On
545	NNYVYIDPT	Mast/stem cell growth factor receptor	1,067106213	0,108221286	
546	PYKFPSSPLRIPGZ		0,609762184	0,146414932	
547	GSPRTPRRG	Retinoblastoma-associated protein	3,220200164	0,580850087	On
548	DADEYLIPQ	EGF Receptor	1,346841101	0,346399069	
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	1,453737652	0,108234146	On
550	GGLTSPGLS	Keratin 8	0,682535411	0,102687957	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,754224406	0,236009929	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,361250766	0,187948178	
553	ESIISQETY	Alpha-S2 casein	1,215332574	0,102426472	
554	RVRKSKGKY	glutamate receptor 2	3,140985881	1,31859436	
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,670267375	0,15290448	
556	RRPTVA	Protein phosphatase inhibitor 2	1,727191426	0,144509527	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,376155532	0,307822317	
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,933874896	0,119413466	
559	DPGTSYRTR	pyruvate dehydrogenase E1	1,445949501	0,129536162	On

560	GEGTYGVVY	cell division control protein 2	1,084677976	0,093593553	
561	RLRLSPSPT	Lamin C	1,459915805	0,121285566	On
562	RKASRKE	Histone H2B	1,931399739	0,08349884	On
563	LRRWSLG	pyruvate kinase	1,291833494	0,129157126	
564	RRVTSATRR	glial fibrillary acidic protein	4,358324245	1,237525565	On
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,81147149	0,174749557	
566	RRATPA	pyruvate kinase	1,536700811	0,122548088	On
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	1,138605272	0,135568911	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,706424519	0,139682024	
569	TVSKTETSQ	Rhodopsin	0,801193229	0,136964371	
570	WTSDTQGDE	14-3-3 protein zeta	1,360241665	0,295344091	
571	RKFSSARPE	Sodium channel protein	1,534875497	0,097529371	On
572	KKKKASVA	pyruvate kinase	1,550309691	0,636588889	
573	LRRASLG	pyruvate kinase	2,108555484	0,266208444	On
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,759659	0,283872801	On
575	SSEITTKDL	Prothymosin	0,943433414	0,159053394	
576	PLSRTLVS	glycogen synthase	1,177132081	0,167689219	
577	LRRASLRG	pyruvate kinase	4,562738951	1,099002322	On
578	TEGQYELQP	Tyrosine-protein kinase Blk	1,532057444	0,142934642	On
579	TSPSSPAS	phosphorylcholine transferase	0,646696317	0,099656881	
580	PPSAYGSVK	Annexin II	1,143115142	0,257269302	
581	RTKRSGSV	phosphorylase b kinase beta	3,363818778	0,648096813	On
582	KRFGSKAHM	nitric-oxide synthase	2,787216321	0,426362491	On
583	LNDSEEEED	E7 protein	1,371449685	0,463822733	
584	QRATSNVFA	Myosin regulatory light chain 3	0,879948819	0,145964476	
585	SRSRTPSLP		2,340979002	0,490269516	On
586	KRPSARAKA	Myelin basic protein	3,056848409	0,425480919	On
587	LRAPSWIDT	Alpha crystallin B	1,025318468	0,273144559	
588	QRRTSVSGE	cAMP-dependent protein kinase	0,844534858	0,10377751	
589	HATPSPPV	Myb proto-oncogene protein	0,551399877	0,050799413	
590	KRPSQRAKA	Myelin basic protein	1,49031329	0,635192129	
591	EDAESEDEE	Nucleophosmin	1,458466041	0,704912063	
592	ENAEYLRVA	EGF Receptor	0,875872112	0,186848764	
593	HKRKSSQAL	Transforming protein erbA	2,011914291	0,248892033	On
594	LAYESHESL	Matrix Gla-protein	0,812729331	0,153358178	
595	PYKFPSSPLRIPGZ		0,616805528	0,065044683	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,601856323	0,092104507	
597	ALRPSTSR	vimentin	1,194492638	0,434632527	
598	DEAATKTQT	myosin II heavy chain	0,704019513	0,11335221	
599	FARKSTRRS	pleckstrin	2,122121297	0,940519169	
600	GLGESRKDK	myelin	1,158390453	0,315871328	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	1,214402067	0,347739799	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,780186788	0,107970806	
603	RRAISGLT	dihydropyridine-sensitive calcium channel	0,699755329	0,181094014	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,701001431	0,12594972	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	1,088508952	0,39191162	
606	RASLG		1,101033206	0,404467904	
607	AKDASKRGR	myelin	1,681357351	0,615972972	
608	DDEASTTVS	Rhodopsin	0,80049364	0,145360179	
609	ETAESSQAE	Neuromodulin	0,648460211	0,127317959	
610	YTRFSLARQ	Transferrin receptor protein 1	1,104482173	0,486853032	
611	SPKQSPSSS	phosphorylcholine transferase	0,637034931	0,081834973	
612	RKRSRKE	Histone H2B	0,618963242	0,112794354	
613	RPPGFSPFR		1,255866244	0,464047677	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,76054903	0,104196104	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,653977885	0,029372096	

616	KGYSLG	Lysozyme C	0,920322268	0,318152777	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,549760362	0,087252274	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	1,311459985	0,564210784	
619	VEPLTPSGE	EGF Receptor	0,793178546	0,052161678	
620	YRLPSNVQD	Alpha crystallin A	0,59759195	0,037219523	
621	SPAISIHEI	phosphorylase b kinase alpha	0,667536564	0,101427157	
622	RKQISVR	Glycogen phosphorylase	0,810098369	0,166536914	
623	VGWPTVRER	Nef	1,214470294	0,414288409	
624	QTYRSFHDL	cGMP-dependent protein kinase (PKG)	1,28541732	0,462271822	
625	LRRASLGAA	pyruvate kinase	1,602217697	0,552696482	
626	PRKGSPPRG	Histone H2B.2	0,763763285	0,08551006	
627	SSPASLSRA	phosphorylcholine transferase	0,974722251	0,250948827	
628	TKAASEKKS	myelin	0,715258637	0,103317035	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,765613592	0,051913732	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,712072565	0,054912796	
631	KAKVTGRWK	troponin T	2,411964084	1,054717257	
632	KRPTQRAKY	Myelin basic protein	2,824247696	1,226055183	
633	PLSRTL SVRSL	Glycogen [starch] synthase	1,225402068	0,363259001	
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,799535204	0,16947074	
635	KGGSYSQAA	HLA class I histocompatibility antigen B7	0,988350421	0,167130531	
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	1,899210601	0,491347871	
637	KAQISVRGL	Glycogen phosphorylase	1,24300283	0,031967677	On
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,687074305	0,660176157	
639	LSGF SFKKN	myristolated alanine-rich C-kinase substrate	1,268015962	0,427705819	
640	EEEEYMPME	Middle T antigen	0,845372308	0,193513522	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	0,645411631	0,050094302	
642	IDKISRIGF	glycine receptor alpha	0,918426264	0,276539733	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,5777407	0,067407087	
644	PYKFPSSPLRIPGZ		0,620112881	0,05973135	
645	GNHTYQEIA	Paxillin	0,692878826	0,139250521	
646	APVASPAAP	synapsins IA and IB	0,634218327	0,052828541	
647	DGNN SDEES	calsequestrin	0,8801576	0,289361848	
648	FMTEYVVTR	mitogen-activated protein kinase MSK7	1,002809583	0,271187496	
649	GRGLSLSRF	Myelin basic protein	1,642821497	0,507337394	
650	EDTLSDSDD	N-myc proto-oncogene protein	1,51711047	0,756553012	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,053694431	0,518434293	
652	RRPTSPVSR	Early E1A	1,584184458	0,529244147	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,871951561	0,108912313	
654	QKRPSQRSK	Myelin basic protein	1,850344872	0,577554628	
655	SDEEH	initiation factor 5A	0,72090851	0,024330002	
656	APLTPGGRR	Myelin basic protein	1,650587252	0,586349855	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,795379411	0,072913248	
658	FGSRSLYGL	keratin, type II	1,088789301	0,282390292	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,736273592	0,067126115	
660	AVRRSDRA	Troponin I	1,311380583	0,3874513	
661	VKRG SGL	Histone H4	1,222011372	0,398296036	
662	RRKDTPALH		1,115698934	0,262447592	
663	SEITTKDLK	Prothymosin	0,717330006	0,082582302	
664	PNVSYIASR	protein kinase shaggy	1,218743828	0,36613806	
665	RRDSV	pyruvate kinase	1,232298188	0,291725612	
666	STRRSIRLP	pleckstrin	3,004433392	1,317824252	
667	TPQVSDTMR	glycogenin	0,840784428	0,081273493	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,716476093	0,105734876	
669	RAAHSIKGG	Chemotaxis protein cheA	1,358066512	0,506981699	
670	SPSLSRHSS	Glycogen [starch] synthase	1,723851549	0,503290236	
671	RTPPPSG	Myelin basic protein	1,023381096	0,194734259	

672	VRKRTLRL	EGF Receptor	2,412643351	1,120098203	
673	SRKSGFGH	gap junction beta-1 protein	1,512984045	0,556755583	
674	LSGESDLEI	DNA topoisomerase II	1,104065347	0,3350593	
675	PSQRSKYLA	Myelin basic protein	0,833261425	0,159884332	
676	STDEYLDLS	Receptor tyrosine kinase	1,273892968	0,408001824	
677	TNHIYSNLA	Mast/stem cell growth factor receptor	0,94140255	0,080502095	
678	LSRHSSPHQ	Glycogen [starch] synthase	1,460902912	0,431647364	
679	PTRHSRVAE	Lamin	1,016956947	0,111717525	
680	KISITSRKA	GTP-binding protein era	1,874547431	0,428174354	
681	KSKISASRK	troponin I	2,25280943	1,007289034	
682	KRKQISVGG	Glycogen phosphorylase	1,421707698	0,506049369	
683	SRALSRQLS	Heat Shock Protein 27	1,959168707	0,736986551	
684	KKKFSFKKP	MARCKS-related protein	3,160108761	1,775295751	
685	KTRSSRAGL	Histone H2A	2,281575693	0,982194266	
686	PAPGSPEPP	Early E1A	0,959249751	0,146543178	
687	IGSESTEDQ	Alpha-S1 casein	0,997355943	0,354154505	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	1,120318376	0,098867136	
689	EEQEYVQTV	Annexin I	0,945630146	0,322450699	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,897006324	0,083235501	
691	IREESPPTS	Glycoprotein IV	0,67750496	0,138307337	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	1,317365622	0,13696993	
693	PYKFPSSPLRIPGZ		0,649579085	0,101139239	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	1,7465027	0,089790961	On
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	1,515263476	0,179349062	On
696	DLPLSPSAF	tristetrapoline	1,149105933	0,220399601	
697	GDKKSKKAK	Na+/K+ ATPase 1	1,662812586	0,473636597	
698	GSDVSFNEE	DNA topoisomerase II	1,323671717	0,41097196	
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,677686149	0,153268495	
700	ERQKTQTKL	myosin light chain kinase	1,532244352	0,02974979	On
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	1,365898387	0,054924262	On
702	SKAGSLGNI		0,860741606	0,037237002	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,701271457	0,105192551	
704	AAATTPAAE	neuromodulin	0,630056022	0,100975386	
705	ARKKSSAQL	ras-related protein rap-1b	1,169495732	0,368343338	
706	DKVTSPTKV	caldesmon	0,820046398	0,137905906	
707	FRRFTPDSL	Sodium channel protein	1,076660408	0,231111983	
708	RFTDTRKDE	elongation factor 4	0,767741628	0,115663653	
709	RKISASEA		0,83629017	0,058907061	
710	LARASLG	pyruvate kinase	1,198431943	0,090831924	
711	RRRLSSLRA	40S ribosomal protein S6	1,256996961	0,221811012	
712	SGYISSLEY	Complement C1r	1,574264617	0,340984886	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,724192577	0,176144196	
714	TIAVG	Photosystem Q(A)	0,688191851	0,149098729	
715	TADISEDEE	phosphorylcholine transferase	1,519121915	0,395465706	
716	TRQTSVSGQ	synapsins IA and IB	0,915847405	0,125874687	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	1,24451697	0,220963834	
718	REQESSGEE	Protein phosphatase inhibitor 2	0,86316518	0,146256838	
719	GTKRSGSV	phosphorylase b kinase beta	1,842688804	0,034579317	On
720	NRLQTMKEE	Lamin C	0,858764948	0,103662306	
721	VVELSGESD	DNA topoisomerase II	1,376920993	0,563840073	
722	SRRPSRATW	Vitronectin	3,11969923	0,718627374	On
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,752728753	0,132150631	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	0,977413208	0,171993617	
725	STTVSKTET	Rhodopsin	0,831712562	0,117125055	
726	TRKISASEF		0,770949135	0,096789618	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,713640812	0,095491622	

728	KQGSGRGL	Glycogen phosphorylase	2,12367197	0,457554916	On
729	KKSWRWTL	parathyroid hormone/parathyroid hormone-related peptide	3,059099115	0,424804622	On
730	LASSSKEEN	Cystatin S	0,979397149	0,133863087	
731	PLRRTLVA	glycogen synthase	1,09956066	0,257824841	
732	SRPSSNRSY	vimentin	2,769895406	0,387284829	On
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	2,188965473	0,299720973	On
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	1,328840095	0,350800951	
735	QKAQTERKS	troponin T	1,479608348	0,089976331	On
736	ISTESQPNG	phosphorylase b kinase alpha	0,608814829	0,095580012	
737	NGNNYVYID	Mast/stem cell growth factor receptor	0,96041003	0,168882373	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	1,349978482	0,34149836	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	0,980596025	0,438238577	
740	KRKSSQALV	Transforming protein erbA	1,604267259	0,530346988	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,562839548	0,095412729	
742	PYKFPSSPLRIPGZ		0,612680596	0,052277169	
743	GSPGTPGSR		1,109323735	0,156587045	
744	AVVRTPPKS		1,500581184	0,194258131	On
745	DRKLSTKEA	multidrug resistance protein 2	0,909318017	0,230164731	
746	GGIRSLNVA	isocitrate dehydrogenase	0,850113298	0,030351766	
747	GTRLRLARM	glial fibrillary acidic protein	1,785291109	0,135911373	On
748	EGNKSPAPK	Actin and myosin binding protein	0,753194408	0,271783767	
749	ESHESMESY	Matrix Gla-protein	0,907853195	0,321515129	
750	RVRISADAM	Troponin I	0,68286684	0,116443653	
751	SNDDSDDDD	calsequestrin	1,307181904	0,445356893	
752	RRPTPA	Protein phosphatase inhibitor 3	1,579285689	0,117846277	On
753	AEGSSNVFS	Myosin regulatory light chain 2	0,771843724	0,229128009	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	1,433424604	0,166003126	On
755	DNPDYQQDF	EGF Receptor	1,439302766	0,132693965	On
756	GDVKYADIE	platelet-derived growth factor receptor	0,913150323	0,116362685	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	0,870056128	0,296704895	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	1,571695074	0,783132095	
759	LRRPSLG	pyruvate kinase	1,850603055	0,419450846	
760	RRVRSQEPG	somatostatin receptor type 4	1,188735186	0,368415478	
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,806470984	0,239087993	
762	RRASVA	pyruvate kinase	2,144190608	0,209654449	On
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	1,077244365	0,167371568	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,648136326	0,078589313	
765	TVKSSKGGP	Annexin I	1,160215286	0,325398438	
766	WTSDSAGEE	14-3-3 protein tau	1,344880824	0,628339658	
767	RKAASVIK	DNA polymerase beta	1,520646874	0,456936509	
768	LRRASLDG	pyruvate kinase	0,791733389	0,253911394	
769	LRRASGG	pyruvate kinase	1,320231546	0,365572594	
770	YHTTSHPGT	Band 3 anion transport protein	1,104585061	0,302409708	
771	SSEESITRI	Beta casein	1,049954967	0,371297852	
772	PLAGSPVIA	casein kinase II	1,178683227	0,283877869	
773	LGSPLRRR	vimentin	4,830325261	1,181228162	On
774	TEDQYSLVE	PI3-kinase p85-alpha	1,710860925	0,347365902	
775	TRTYSLGSA	vimentin	1,267418535	0,513786358	
776	PPSAYATVK	Annexin II	1,195663578	0,31576416	
777	RTKRSGSV	phosphorylase b kinase beta	3,330297964	0,437236695	On
778	KREASLDNQ	Phytochrome A	0,784349395	0,106411244	
779	LMDKYHVDN	Early E2A	0,754514214	0,139681212	
780	QQGMTVYGL	calponin alpha and beta	1,151120704	0,299821036	
781	SRSRSRSRS	Lamin B receptor	5,10558971	0,652998689	On
782	KRNSSPPPS		1,775062473	0,284151764	On
783	LQRYSSDPT	EGF Receptor	0,691001585	0,165294812	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	1,732229944	0,279753669	On
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,967034172	0,15448684	
786	KRPSNRAKA	Myelin basic protein	1,885402139	0,136506843	On
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,864400708	0,052476948	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,767708485	0,079503225	
789	HKIKSGAEA	DNA polymerase beta	1,028975872	0,140032025	
790	LARRSTTDA	Choriogonadotropin beta	0,892422752	0,027277478	
791	PYKFPSSPLRIPGZ		0,762799594	0,055139431	
792	GGTGTPNKE	Actin and myosin binding protein	0,679388828	0,163449382	
793	ALGISYGRK	TAT protein	1,780947085	0,253697899	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,7739128	0,128086082	
795	EYVQTVKSS	Annexin I	0,787414738	0,054124266	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,889109195	0,055819532	
797	DSTYYKASK	Focal adhesion kinase	1,396381735	0,075138183	On
798	EKEISDDEA	Heat Shock Protein 90-beta	0,97973449	0,226354354	
799	RRADSLQKN	iron-responsive element binding protein	1,114478473	0,204812262	
800	SAYGSVKAY	Annexin II	0,882713898	0,131046042	
801	NTSSSPQPK	p53	1,118914046	0,216024952	
802	GSRRR	protamine	3,603196768	0,063201941	On
803	AKAKTTKKR	Myosin regulatory light chain 2	3,457704662	0,443358416	On
804	DDAYSDET	Protein phosphatase inhibitor 2	2,277538247	0,245352674	On
805	ESVDYVPM	platelet-derived growth factor receptor	1,335878524	0,220650105	
806	YSTDYREG	TrkC tyrosine kinase	1,415846006	0,149262698	On
807	SPKKSPRKA	Histone H4	2,055832814	0,344820746	On
808	RKRSRKA	Histone H2B	2,537403889	0,421905014	On
809	RPPASPSQ	synapsins IA and IB	1,094988677	0,24307915	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	1,478925103	0,204137115	
811	NRQSSQARV	Phytochrome A	1,713054674	0,216767644	On
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,895471075	0,191472775	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	2,844984206	1,179358466	
814	TKKQSFQKT	cystic fibrosis transmembrane conductance regulator	1,468900054	0,121783145	On
815	VDSAYEVIK	L-lactate dehydrogenase M	1,414353149	0,358481785	
816	YRKSSLKSR	spermatid nuclear transition protein 3	2,720768125	0,518994647	On
817	SNVSSTGSI		1,219666818	0,363835969	
818	RARSRKE	Histone H2B	2,140225733	0,04449098	On
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,945419182	0,10384939	
820	QTVKSSKGG	Annexin I	1,436571651	0,152468935	On
821	LRMFSFKAP	Gamma-aminobutyric-acid receptor gamma-2	1,425644619	0,111020123	On
822	PRHLSNVSS		1,107595621	0,260016108	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	1,248999966	0,526586747	
824	THYGSLPQK	Myelin basic protein	1,359521818	0,214519096	
825	LRRPSDQAV	Transforming protein rel	1,225078004	0,176275396	
826	PRRNSRASL	Sodium channel protein type II alpha	1,01347471	0,049650893	
827	KAKTTKKRP	Myosin regulatory light chain 2	3,270105634	0,345281148	On
828	KRPSGRAKA	Myelin basic protein	2,89294367	0,228027927	On
829	PLSKTSLVSSL	Glycogen [starch] synthase	1,146010006	0,162849694	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	1,215939413	0,187264674	
831	KGATSDEED	DNA topoisomerase II	1,183547168	0,160905971	
832	KRRNSEFEI	tryptophan 5-monooxygenase	1,626789208	0,003788042	On
833	LTRRASFSAQ	Regulatory protein ADR1	2,215397506	0,083992784	On
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,7807126	0,046616882	
835	LRRFSLATM	Cytochrome P450 2B1	1,627766417	0,45625805	
836	EEEAYGWMD	Gastrin	1,345480926	0,461709025	
837	EQESSGEED	Protein phosphatase inhibitor 2	1,005614904	0,225729336	
838	IAADSEAEQ	Insulin receptor substrate 7	0,917594677	0,04770223	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,812103729	0,081538024	

840	PYKFPSSPLRIPGZ		0,863713235	0,094529989	
841	GNGDYMPMS	Insulin receptor substrate 8	0,902045253	0,086113588	
842	APRYPGGRR	Myelin basic protein	3,281388925	0,884171762	On
843	DGNKSPAPK	caldesmon	0,942566233	0,140133152	
844	FMTEYVATR	mitogen-activated protein kinase	1,008656503	0,158563856	
845	GRASSHSSQ	Lamin C	1,895815566	0,607398181	
846	EDSTYYKAS	Focal adhesion kinase	1,852295788	0,308596406	On
847	ENPQYFRQG	TrkC tyrosine kinase	0,936411807	0,086406508	
848	RRPTPATVA	Protein phosphatase inhibitor 4	1,390518205	0,237725826	
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,947218885	0,061864206	
850	QEKESERLA	Beta-2 adrenergic receptor	0,925052358	0,062954157	
851	RRVSV	pyruvate kinase	2,727494284	1,211307007	
852	APFTPGGRR	Myelin basic protein	2,614625684	0,932351406	
853	DEKLSEILG	RNA polymerase alpha	1,05826382	0,124486714	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotransporter	0,935985817	0,112053107	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	1,790282793	0,461158272	
856	AVRRSDAA	Troponin I	1,31100366	0,175077923	
857	TKRSGSV	phosphorylase b kinase beta	1,644492058	0,29298673	
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,942844578	0,160131664	
859	SEGDSSEGE	Serum response factor	1,304843597	0,179539664	
860	PLDRSSHAQ	Insulin Receptor (IR)	1,018500226	0,15033197	
861	RRASS	pyruvate kinase	2,22000111	0,699759297	
862	STPLSPTRI	Lamin A/C	1,60192107	0,279508973	
863	TPPLSPSRR	Myc proto-oncogene protein	3,691045869	2,102912614	
864	VKRISGLIY	Histone H4	1,424050875	0,226286838	
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	1,73776719	0,09569802	On
866	SPRTPGGRR	Myelin basic protein	3,904431678	1,662004473	
867	RRRRSVA	pyruvate kinase	4,715832536	1,655985536	On
868	VRFESIRLP	Choriogonadotropin beta	1,641331699	0,142064119	On
869	SRKESYSVY	Histone H2B	1,095378809	0,140164967	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	3,708406909	1,022246534	On
871	PSPSSRVTV	Lamin B1	1,400360375	0,173652089	
872	SSVPTPSPL	casein kinase II	0,944175927	0,098872935	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	1,426252724	0,300926865	
874	LSRFSWGAE	Myelin basic protein	1,136424481	0,184760277	
875	PTKRSPTKR	Histone H2B.1	1,407182424	0,010245952	On
876	KISASRLQ	troponin I	2,633412966	0,666116233	On
877	KSFGSPNRI	cell division protein kinase 7	2,175723213	0,677019105	
878	KRKQISVAGL	Glycogen phosphorylase	1,755222548	0,196947114	On
879	SQHSTPPKK	Large T antigen	1,18699441	0,095385929	
880	KKIDSFASN	acetyl-CoA carboxylase	1,415793828	0,364289419	
881	KTETSQVAP	Rhodopsin	0,928838913	0,183600666	
882	PAAPSPGSS	synapsins IA and IB	1,156830052	0,052841226	On
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	1,070693264	0,169491825	
884	MQLKSEIKQ	phosphorylase b kinase alpha	1,090974396	0,146546057	
885	EEQEYIKTV	Annexin I	1,642569084	0,212717559	On
886	ERRPSNVSQ	Sodium channel protein type II alpha	1,087592754	0,147671224	
887	IPHPTVRT	Retinoblastoma-associated protein	1,778894057	0,286177461	On
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,88807583	0,11127669	
889	PYKFPSSPLRIPGZ		0,766853475	0,049689393	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	2,114838222	0,654995368	
891	ARTKRSGSV	phosphorylase b kinase beta	2,890217944	0,86226129	On
892	DLPGTEDFV	Beta-2 adrenergic receptor	1,657856626	0,257771999	On
893	GALYSGSEG	Serum response factor	1,350785834	0,179378914	
894	GRVLTLP RS	Insulin Receptor (IR)	2,927940015	1,229268782	
895	EKESSNDS	muscarinic acetylcholine receptor M2	1,005086289	0,128454051	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,977999553	0,049290906	
897	RRRRSRRAS	Protamine Z	3,022015764	1,791643846	
898	SIYSSDDDE	Myb proto-oncogene protein	2,013386993	0,288305816	On
899	HGYSLG	Lysozyme C	1,173621759	0,091949283	
900	AAASFKAQR		2,202522939	0,216892861	On
901	ARKFSSARP	Sodium channel protein	2,643117654	0,543060939	On
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	1,198381203	0,084047061	
903	FRKLSFTES		1,317102943	0,116953735	On
904	RFHKSSKDS	myelin	1,106503774	0,176601571	
905	RAKRSGSV	phosphorylase b kinase beta	2,561861022	0,125290515	On
906	KSESSQK	40S ribosomal protein S6	1,216553439	0,134482132	
907	RRRLSDSNF	synapsins	1,21372405	0,066285625	On
908	SGKTSPSSS	phosphorylcholine transferase	0,97554189	0,20062682	
909	KSRRTI	Interleukin-2 receptor alpha	1,552679937	0,265430219	
910	TAILE	Photosystem Q(B)	0,979717175	0,077314207	
911	SYPLSPLSD	Cytosolic phospholipase A2	1,613367264	0,195212077	On
912	TRQASQAGP	synapsins IA and IB	1,181765989	0,172789788	
913	VRVYTHEVV	cell division control protein 2	1,143735073	0,138631941	
914	RENEYMPMA	Middle T antigen	0,99647424	0,057126223	
915	GRGLSLSR	Myelin basic protein	3,623041587	1,35369975	
916	YIYGSFK		1,350110146	0,173951241	
917	VTRSSAVRL	vimentin	2,318356848	0,1987326	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	1,12084542	0,15009306	
919	PASPSPQRQ	synapsins IA and IB	1,253112452	0,212544621	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran	1,259098617	0,078989121	On
921	STSVSAVAS	muscarinic acetylcholine receptor M2	1,097703687	0,06998523	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	1,958505417	0,130453925	On
923	PGGSTPVSS	casein kinase II	0,898984658	0,143194268	
924	QGTLKIFK	Myelin basic protein	1,839353052	0,04642761	On
925	KKRLSVERI	DNA topoisomerase II alpha	2,552401518	0,424869951	On
926	KYRKSSLKS	spermatid nuclear transition protein 4	2,090258264	0,227416741	On
927	PLSRRLSVA	glycogen synthase	1,393013574	0,1918095	
928	SRLHSVRER	sucrose synthase 2	2,860673158	0,509578616	On
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	1,36246017	0,179810697	
930	LGGGTFDIS	Heat Shock Protein 70	1,368204495	0,28872858	
931	QHLKSVMLQ	Troponin I	1,281130533	0,112082956	
932	ISQESSEEE	high mobility group protein	0,86769635	0,056234193	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,762299451	0,091788305	
934	EHVSSSEES	Alpha-S2 casein	0,828914949	0,120976072	
935	ESMESYEVS	Matrix Gla-protein	1,684080396	0,197058409	On
936	KQLASFEIY	Cystatin S	0,761081287	0,136438712	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,702515605	0,167018443	
938	PYKFPSSPLRIPGZ		0,682495841	0,124675018	
939	GSLKSRKRA	spermatid nuclear transition protein 1	2,786412226	0,366991728	On
940	AVRRSDRAY	Troponin I	1,875313201	0,151502003	On
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	1,587331517	0,118259851	On
942	GGGTSPVFP	Desmin	0,731030706	0,110703983	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,514874635	0,194779402	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,506506225	0,144116309	
945	ESHESLESY	Matrix Gla-protein	1,264326327	0,067442367	On
946	RVLESFRAA	voltage-gated potassium channel	1,73505994	0,053608557	On
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,965107872	0,003118198	
948	RRPSPA	pyruvate kinase	1,73666615	0,058673774	On
949	ADSFSLNDA	galectin-3	1,222410989	0,13892155	
950	ATSASPPQK	p53	1,066068148	0,151576901	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	1,352766909	0,12996806	On

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,891878224	0,3718657	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,796499502	0,040638506	
954	ASGSFKL	Histone H1.1	0,959543229	0,046161366	
955	LRRGSLG	pyruvate kinase	2,454059694	0,508248651	On
956	RRSVSEAAL	hormone sensitive lipase	0,740299065	0,019914808	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	1,328060861	0,190861072	
958	RRASLG		2,114403004	0,257643693	On
959	AAVDTSEI	Prothymosin	1,160623976	0,070576492	
960	TESQSLTLT	Beta casein	1,131313722	0,051998154	
961	TTRVTPLRT	Desmin	2,38159853	0,551248009	On
962	WTADSGEGD	Fibrinogen alpha	1,676477216	0,299725486	
963	RHRDTGILD	Myelin basic protein	0,964284023	0,090785541	
964	NRIYTHQVV	cell division protein kinase 7	1,587396057	0,068988336	On
965	LRKASLG	pyruvate kinase	1,288413432	0,322857908	
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,79971214	0,29979849	
967	SSEESIISQ	Alpha-S2 casein	1,340508393	0,171715235	
968	PKRGSKGKD	Myelin basic protein	1,170619241	0,072163487	
969	LGSALRRR	vimentin	5,952765926	1,150751198	On
970	TDESDNEI	lower matrix phosphoprotein	1,778105136	0,124749969	On
971	TRSVSSSSY	vimentin	1,778282002	0,345190805	
972	PPRRSSIRN	Neutrophil cytosol factor 7	5,090845472	2,161776423	
973	RTKGSQSV	phosphorylase b kinase beta	2,273505692	0,466993107	On
974	KRAASPRKS	Histone H5	3,210944923	0,794015082	On
975	LMAPSEEDH	insulin-like growth factor binding protein 2	1,140036939	0,089209079	
976	QNPVYHNQP	EGF Receptor	1,440060325	0,019207712	On
977	SRSRSRSPG	Lamin B receptor	5,766214415	1,186780937	On
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	2,119387986	0,407898155	On
979	LQDDYEDMM	Band 3 anion transport protein	1,880307732	0,466579479	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,859576146	0,177819806	
981	GVLRRASVA	pyruvate kinase	1,833790747	0,274867756	On
982	KRPSLRAKA	Myelin basic protein	2,477986348	0,18782747	On
983	EASTTVSKT	Rhodopsin	1,0708872	0,280594323	
984	ELSNYIAMG	Insulin receptor substrate 9	0,961849945	0,098001142	
985	HHHATPSPP	Myb proto-oncogene protein	1,015064087	0,184779793	
986	KTETSQVAP	Rhodopsin	0,804810938	0,114393161	
987	PYKFPSSPLRIPGZ		0,872314761	0,065454295	
988	GGSVTKKRK	Lamin C	2,116905695	0,741004895	
989	AKRISGKMA	cell division control protein 2	1,538263353	0,197691376	On
990	DDPSYVNVQ	Adaptor molecule SHC	0,981361057	0,085080565	
991	EVEKSPVKS	neurofilament triplet M	0,89712193	0,147122576	
992	GKSSSYSKQ	Fibrinogen alpha	1,410596372	0,177386236	
993	DSRSSLIRK	multidrug resistance protein 3	1,496538917	0,25235533	
994	EKAKSPVPK	neurofilament triplet M	1,280271679	0,171881455	
995	RQRKSRTTI	Interleukin-2 receptor alpha	2,182622603	0,294149135	On
996	SAYATVKAY	Annexin II	0,82465839	0,161363102	
997	NTDGSTDYG	Lysozyme C	1,25872192	0,148257043	
998	KRTRLR	EGF Receptor	2,345107111	0,198088957	On
999	AGPTSARDG	RNA polymerase alpha	0,751883997	0,138766728	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	1,059621601	0,139114459	
1001	ESSYSYEEI	RNA polymerase alpha	1,263746822	0,033504906	On
1002	YSLGSALRP	vimentin	0,979784752	0,25764701	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,781363196	0,125683338	
1004	RKRRAE	Histone H2B	1,473207398	0,145587858	On
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,849235077	0,090388815	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,960419752	0,065974197	
1007	NRQLSSGVS	Heat Shock Protein 28	0,980677166	0,196288405	

1008	VGPDS	p53	0,881325516	0,007904988	
1009	SSSESGAPE	Clathrin light chain B	0,601082083	0,070439061	
1010	TKHIYSNLA	Mast/stem cell growth factor receptor	0,753679251	0,150185585	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,813644547	0,093723385	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	1,22045219	0,231079211	
1013	SNQEYLDLS	Receptor tyrosine kinase	1,002526142	0,008187901	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,939562972	0,074854134	
1015	VGFMTHEYVA	mitogen-activated protein kinase 1	0,983759077	0,158304308	
1016	QTASSPLSP	Lamin	0,621635658	0,150002303	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	0,922867981	0,196675206	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,857591137	0,139841677	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,969106964	0,137213955	
1020	THVASVSDV	acetyl-CoA carboxylase	0,902895082	0,112448253	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	2,175664609	0,430554909	On
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	1,077095916	0,163409981	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	0,909372427	0,048110814	
1024	KRPSFRAKA	Myelin basic protein	2,526118548	0,353296656	On
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	0,855305254	0,121693101	
1026	QRYSSDPTG	EGF Receptor	0,85328674	0,139713541	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,898018971	0,150621084	
1028	KRRLSFSET	Interleukin-1 alpha	1,681138252	0,179944094	On
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	4,497336022	1,10445714	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,8713729	0,035448076	
1031	LNRMSFASN	acetyl-CoA carboxylase	1,033933486	0,107558107	
1032	EEDTYTMPS	Focal adhesion kinase	1,260052791	0,205202119	
1033	EQEYEDPD	Band 3 anion transport protein	1,388551689	0,153227728	On
1034	HVSSSEESI	Alpha-S2 casein	0,967429673	0,104595651	
1035	METPSQRRRA	Lamin C	1,409810081	0,162675273	On
1036	PYKFPSSPLRIPGZ		0,957701216	0,047406351	
1037	GNFNYVEFT	Myosin regulatory light chain 2	1,365867141	0,237500981	
1038	APRTPGGRR	Myelin basic protein	3,125164403	0,262096664	On
1039	DGNGYISAA	Calmodulin	1,112273894	0,138384093	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,985655125	0,112661513	
1041	GRALSTRAQ	Troponin I	2,093775043	0,569362268	
1042	EDRMSLVNS	Cystatin S	0,905529192	0,258534431	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	1,381747127	0,1729867	
1044	RRLSSLRAS	40S ribosomal protein S6	2,863900004	0,786843157	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	2,009205365	0,232199746	On
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,89807217	0,060594087	
1047	RRPSV	pyruvate kinase	1,579287151	0,181503521	On
1048	APETPGGRR	Myelin basic protein	1,654021693	0,050534098	On
1049	DEEMSETAD	Protein phosphatase inhibitor 2	1,155980307	0,090138615	
1050	FFSSSESGA	Clathrin light chain B	1,156624119	0,039122166	On
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,841751134	0,250722232	
1052	APTPGGRR	Myelin basic protein	1,836574572	0,684014222	
1053	STNDSPL	Beta-2 adrenergic receptor	1,092446065	0,133060415	
1054	RRKASGPPV	Histone H1.1	1,353944974	0,056329424	On
1055	SEENSKKTV	Alpha-S2 casein	0,859445939	0,097619646	
1056	PASPSPQRQ	synapsins IA and IB	1,134504138	0,132288647	
1057	RRASR	pyruvate kinase	2,553831483	0,117613369	On
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,853681545	0,114771192	
1059	TPPLSPIDM	Transcription factor AP-5	0,885864109	0,022040273	
1060	VKGATSDEE	DNA topoisomerase II	0,964692235	0,137532138	
1061	QRATSNVFA	Myosin regulatory light chain 5	1,023226946	0,083262421	
1062	SPRKSPRKS	Histone H6	2,247038061	0,080147837	On
1063	RRRASVA	pyruvate kinase	2,373118622	0,619161403	On

1064	VTPSPPLGP	casein kinase II	0,991156183	0,096416087	
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	1,146322731	0,205093541	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,914092226	0,167001713	
1067	PSPKYPGPQ	Chromogranin A	0,805981363	0,0383378	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,899050605	0,07855795	
1069	TLSDSDDED	N-myc proto-oncogene protein	1,381492757	0,374408389	
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,971564261	0,177507102	
1071	PTKRSPQKG	Histone H2B.1	1,11830659	0,155684077	
1072	KIQASFRGH	neurogranin	2,593296638	0,441902577	On
1073	KRSNSVDTS	Glycogen [starch] synthase	1,2911329	0,356272124	
1074	KRKQISGRGL	Glycogen phosphorylase	1,337416639	0,114338571	On
1075	SQESSEEEQ	high mobility group protein	0,9491078	0,195563932	
1076	KKDVTVPKA	Histone H1	1,646407057	0,146133941	On
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	1,937501	0,283362969	On
1078	LYSGSEGDS	Serum response factor	1,503978696	0,153538173	On
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,90959576	0,08389237	
1080	MPGETPPLS	Transcription factor AP-3	1,060564295	0,156893117	
1081	EEPVYEAE	Hematopoietic cell-specific LYN substrate	1,946618043	0,386049065	On
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	1,170452721	0,099010564	
1083	INETSQHHD	vimentin	0,89215238	0,055402548	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,885910304	0,09407568	
1085	PYKFPSSPLRIPGZ		0,882938212	0,053826218	
1086	GRNASTNDS	Beta-2 adrenergic receptor	1,025821022	0,123983855	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	1,896347552	0,402385114	
1088	DLTSPDVG	Transcription factor AP-4	1,231457448	0,116103519	
1089	GAGNSLRTA	Lamin C	1,459700652	0,16396506	On
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	1,217644066	0,205532078	
1091	EEHVYSFPN	Paxillin	1,154346437	0,126931521	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	1,010089575	0,115027598	
1093	RRRRAASVA	pyruvate kinase	3,211364203	0,071448178	On
1094	SIRDTPAKN	Nucleophosmin	0,987542919	0,107952479	
1095	GGYSLG	Lysozyme C	1,214410374	0,059833446	On
1096	AAASFKAKK		1,738101228	0,08412857	On
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	1,35964561	0,17517697	
1098	DKEVSDDEA	HSP90-alpha	1,274041589	0,226872241	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	2,513502507	0,35774879	On
1100	RFFGSDRGA	Myelin basic protein	1,890093289	0,229568372	On
1101	PRTPGGRR	Myelin basic protein	1,455983058	0,17272488	On
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	1,726142289	0,498725615	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	1,972929674	0,177913858	On
1104	SGDTPRHL	Microtubule-associated protein tau	1,072512696	0,043847925	
1105	KQITVR	Glycogen phosphorylase	1,789660112	0,110074448	On
1106	SSKRA	Myosin regulatory light chain 2	2,05659051	0,104590799	On
1107	SVSSSSYRR	vimentin	4,106518995	0,624791917	On
1108	TRQASISGP	synapsins	1,332490007	0,201884451	
1109	VRTYTHEVV	Cell division protein kinase 2	1,35403944	0,077372796	On
1110	REILSRRPS	cAMP response element binding protein	3,152077333	0,906775209	On
1111	GASGSFKL	Histone H1.1	1,225679456	0,239572599	
1112	VRRSDRA	Troponin I	1,789042077	0,085552459	On
1113	VTRRTLSDM	6-phosphofructokinase	1,972424836	0,138040547	On
1114	SRRGSESSE	phosphoprotein phosphatase 1, 3a	1,517037705	0,275042769	
1115	PASAYGSVK	Annexin II	1,032636777	0,224318999	
1116	PWQVSLRTR	Plasminogen	1,273274822	0,071992927	On
1117	STSRSLYSS	vimentin	3,495789562	1,033782553	On
1118	TRGGSLERS	alpha-1B adrenergic receptor	1,5059702	0,031636793	On
1119	PFKLSGLSF	MARCKS-related protein	1,048745418	0,091018593	

1120	QEQEYVQAV	Annexin I	1,218472189	0,16657545	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	4,50531356	1,044109232	On
1122	KYLASASTM	Myelin basic protein	1,57327171	0,20432885	On
1123	PRRVSRRRR	Protamine YII	1,346205785	0,080369592	On
1124	SRKRSGEAT	6-phosphofructokinase	1,34048899	0,232673557	
1125	KMKDSDSEE	Calmodulin	1,16362781	0,050662138	On
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,881371196	0,09724026	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	0,985136037	0,198105089	
1128	ISITSRKAQ	GTP-binding protein era	1,372128178	0,105071861	On
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	1,151464576	0,103810965	
1130	EHIPYTHMN	Insulin Receptor (IR)	1,305411554	0,175681846	
1131	ESMESYELN	Matrix Gla-protein	1,717983344	0,150735964	On
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,476196419	0,673591143	On
1133	NKQGYKARQ	Protein kinase C delta	1,786629382	0,344133775	
1134	PYKFPSSPLRIPGZ		1,00129229	0,126583767	
1135	GSSTSSRPS	vimentin	1,134445714	0,203886022	
1136	AVMVSHYIH	Prolactin	1,815600449	0,074011319	On
1137	DPPGTESFV	Beta-2 adrenergic receptor	1,703660885	0,161252961	On
1138	GFKRSYEEH	Insulin Receptor (IR)	1,314686612	0,226786139	
1139	GSRRRRRRY	protamine	3,181274949	0,755016442	On
1140	EFPLSPPKK	stathmin	1,648929716	0,101158044	On
1141	ESEKTKTKE	myosin II heavy chain	1,012822464	0,115272794	
1142	RSSMSGLHL	acetyl-CoA carboxylase	1,475171622	0,075746403	On
1143	SLVNSRAQE	Cystatin S	1,05756153	0,116503363	
1144	RRATVA	pyruvate kinase	1,964150763	0,191275479	On
1145	ADSFSLHDA	galectin-3	1,461872008	0,102490198	On
1146	ATRRSYVSS	glial fibrillary acidic protein	2,367158579	0,562469305	On
1147	DNIDSQGRN	Beta-2 adrenergic receptor	1,220725427	0,084860803	
1148	GDSSEGESE	Serum response factor	1,3851855	0,470804942	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	1,913150607	0,31013948	On
1150	AKRSRKE	Histone H2B	1,488236143	0,3756332	
1151	LRRATLG	pyruvate kinase	1,941107924	0,269406185	On
1152	RRSSSVGYI	Acetylcholine receptor protein delta	2,16999533	0,322666998	On
1153	SKVTSKAGS		1,5761972	0,228880452	On
1154	RGYSLG	Lysozyme C	1,597314874	0,342605708	
1155	AARTPGGRR	Myelin basic protein	2,346613107	0,273134614	On
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	1,271898726	0,380106519	
1157	TTRRSASKT	Fibrinogen alpha	2,195385094	0,297071377	On
1158	WLTKTPEGN	Actin and myosin binding protein	1,215687147	0,062026747	On
1159	RGRSSVYSA	myosin heavy chain	2,802814153	1,715812966	
1160	RKRTLRRRL	EGF Receptor	3,102584561	0,746511592	On
1161	LRHASLG	pyruvate kinase	1,277776003	0,094454874	On
1162	YNGYSSNS	Beta-2 adrenergic receptor	1,380565035	0,246924371	
1163	SRTPSLPTP	Microtubule-associated protein tau	1,070962867	0,06380412	
1164	PKKGSKKAV	Histone H2B	1,242040556	0,077379658	On
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	1,581108576	0,164597883	On
1166	TDDGYMPMS	Insulin receptor substrate 10	1,486020869	0,107399689	On
1167	TRRLTGFLP	Glycogen phosphorylase	1,899794108	0,091518591	On
1168	PPEKTEEEE	somatostatin receptor type 5	1,247731799	0,162647939	
1169	RTGRSGSV	phosphorylase b kinase beta	3,407324374	0,976014086	On
1170	KQSPSSSPT	phosphorylcholine transferase	1,284985145	0,120673121	
1171	LLRPSRRVR	somatostatin receptor type 6	2,64498982	0,167835144	On
1172	QMALTPVVV	cell division protein kinase 4	1,299785999	0,153204885	
1173	SRSRSPGRP	Lamin B receptor	2,937286832	0,766446445	On
1174	KRKRSRKES	Histone H2B	2,8695513	0,130137616	On
1175	LQAISPKQS	phosphorylcholine transferase	1,345890202	0,156094105	

1176	QRRRSLEPP	Proto-oncogene tyrosine-protein kinase Src	1,284360049	0,237889139	
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Suppl. Table 4. Average densitometry values for all substrates on the arrays for B cells and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYDPM	platelet-derived growth factor receptor	1,0495897	0,131477121	
2	KRPSVRAKA	Myelin basic protein	2,403219253	0,13276637	On
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	1,26046425	0,344327087	
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	0,583545902	0,141331233	
5	HRLLTLDPV	Interleukin-1 receptor	0,625792837	0,048734497	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,634785611	0,069393415	
7	PYKFPSSPLRIPGZ		0,610582474	0,10682299	
8	GKRQTEREK	Troponin T	0,879174744	0,013822448	
9	APATSPKAE	neuromodulin (GAP43)	0,856098039	0,109650537	
10	DEESEQGA	tubulin	0,887059295	0,043270328	
11	FFRRSKIAV	glutamate receptor 2	0,977376772	0,231080674	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,588133173	0,071547942	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,684526903	0,061280405	
14	ELILSPRSK	stathmin	0,928676786	0,183743694	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,521744958	0,010557276	
16	SEDNSEDEI	acetyl-CoA carboxylase	0,950743371	0,140340937	
17	PASLSRAKA	phosphorylcholine transferase	1,092521388	0,111549933	
18	RRASL	pyruvate kinase	1,672745089	0,157661655	On
19	AKKMSTYNV	myosin heavy chain	2,27691834	0,526455265	On
20	DDINSYEAW	Coagulation factor IX	1,562817108	0,467389952	
21	ETRFDTRK	elongation factor 2	0,927430737	0,061596129	
22	QLSTSEENS	Alpha-S2 casein	0,585864277	0,10118729	
23	SPRKSPKKS	Histone H1	1,72141563	0,143729352	On
24	RRKASGP	Histone H1.1	1,247726635	0,220988977	
25	RQLRSPRRT	ras-related protein Rab-4A	2,382683876	0,718647501	
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,819136416	0,140659525	
27	RTPPPSG	Myelin basic protein	0,757152766	0,052420195	
28	LRRAS	Red cell/liver pyruvate kinase	1,030136372	0,069047006	
29	SSTGSIDMV	Microtubule-associated protein tau	0,709004618	0,018637687	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	2,442835995	0,291635357	On
31	VGAFSTVKG	rhodopsin kinase	1,269994853	0,140835633	
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,589356867	0,073220613	
33	SPGEYVNIE	Insulin receptor substrate 1	0,863512545	0,033025359	
34	RKRSAKE	Histone H2B	1,472425423	0,140021969	On
35	VINETSQHH	vimentin	0,56522457	0,072744823	
36	SPVVSQDTS	Microtubule-associated protein tau	0,582472346	0,061118192	
37	LRRFSLATM	Cytochrome P450 2B1	1,780930847	0,390292061	
38	PRPASVPPS	Glycogen [starch] synthase	1,008240619	0,125707319	
39	SSRPSSNRS	vimentin	1,279076435	0,173994251	
40	TKFASDDEH	Lupus La protein	0,714116857	0,148109511	
41	LSDDSFIED	DNA topoisomerase II	1,261500163	0,317592327	
42	PSPKTPPGS	Microtubule-associated protein tau	0,649637477	0,154473685	
43	KDIGSESTE	Alpha-S1 casein	0,92518513	0,140709719	
44	KRRGSVPIL	erythrocyte protein 4.2	3,068270585	0,499144635	On
45	KRAKAKAKKR	Myosin regulatory light chain 2	5,148954407	0,505713487	On
46	QSYSSQRV	Desmin	1,024791537	0,054872192	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	1,402475231	0,054461282	On
48	KRSLSEMEI	Serum response factor	0,705973324	0,027198679	
49	KRKQGSVRGL	Glycogen phosphorylase	1,936801834	0,267358137	On
50	HTRDSEAQR	erythrocyte band 7	0,554621807	0,211298904	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,596002534	0,054499972	
52	EEGISQESS	high mobility group protein	0,700508947	0,134993515	
53	EQQQTEDEL	Beta casein	0,850964466	0,115749166	
54	IGEGTYGVV	Cell division protein kinase 2	0,812103556	0,170470398	
55	MMPYVVVTR	Stress-activated protein kinase JNK1	0,765414011	0,257347965	

56	PYKFPSSPLRIPGZ		0,760736685	0,191647724	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,954600041	0,150051157	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,966693393	0,223878517	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	1,228596485	0,27465868	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,779467744	0,269448127	
61	GRLSSMAMI	myosin light chain kinase	0,922635576	0,032980122	
62	EEDLSDENI	transcription factor BAF1	0,704484288	0,236909758	
63	EPGPYAQPS	Proto-oncogene C-crk	0,603358625	0,181634621	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,949919304	0,176465468	
65	SGADYPDEL	Trypsin I	1,540559092	0,587174084	
66	KQISVR	Glycogen phosphorylase	2,849033645	0,427330274	On
67	SLKDH	L-lactate dehydrogenase M	0,941429283	0,202503183	
68	APRTAGGRR	Myelin basic protein	2,325927193	0,783456267	
69	DGHEYIYVD	platelet-derived growth factor receptor	0,933276557	0,169035083	
70	FKRSYEEHI	Insulin Receptor (IR)	0,660826091	0,165283694	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	1,323158491	0,128337626	On
72	DRVYVHPF	Angiotensinogen	0,782572714	0,108631893	
73	VRRSDAA	Troponin I	0,893883297	0,220508437	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	1,445575426	0,275915751	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,769766022	0,017968203	
76	PRRASATSS	Glycogen [starch] synthase	1,083483836	0,1537415	
77	RRLSI	phosphorylase b kinase alpha	2,245003824	0,776296493	
78	STLSLSPFYL	Alpha crystallin B	0,874974493	0,096745193	
79	TRDIYETDY	Insulin Receptor (IR)	1,793485717	0,59849003	
80	VPTLSTFRT	Desmin	0,989192537	0,302310251	
81	RASTSKSES	40S ribosomal protein S6	0,780626383	0,0876947	
82	SPSSSPTHE	phosphorylcholine transferase	0,699180027	0,196079955	
83	STNDSL	Beta-2 adrenergic receptor	0,905503519	0,17566505	
84	VRTFTHEVV	Cell division protein kinase 2	0,80753424	0,109617093	
85	SRKMSVQEY	phosducin	0,799287485	0,196903253	
86	LSGLSFKRN	MARCKS-related protein	1,735893639	0,100560925	On
87	PTGTTQQRK	Kinesin-related motor protein Eg5	0,784171113	0,151400153	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	1,748407988	0,6274731	
89	TPPKSPSSA	Microtubule-associated protein tau	0,703710103	0,079202422	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,850376339	0,203272359	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,77700538	0,154504618	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,670759646	0,061745768	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	1,30939092	0,256649218	
94	LSVSSLPGL	Glycogen [starch] synthase	0,902946379	0,037992328	
95	SRHSSPHQS	Glycogen [starch] synthase	0,841171556	0,2510612	
96	KKPPTPPPE	Large T antigen	0,984439643	0,049701309	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,286948548	0,375822446	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,816493675	0,180963701	
99	ILDTTGQEE	K-Ras	1,482698917	0,166845709	On
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	1,043188943	0,110748355	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,596135875	0,128960404	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,817146388	0,192915141	
103	IRRASTIEM	Cardiac phospholamban	0,856665007	0,232111313	
104	NFDDYMKSL	Fatty acid-binding protein	1,012849321	0,218280391	
105	PYKFPSSPLRIPGZ		0,799751522	0,142541544	
106	GRTGRRNSI		3,857713972	1,225695398	On
107	ATPIYLDIL	TrkC tyrosine kinase	1,053954936	0,141090092	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,612091687	0,020906451	
109	GDRFTDEEV	Myosin regulatory light chain 2	1,588460199	0,491193686	
110	GSGSSVTSR	Desmin	1,023112488	0,177478421	
111	EEPQYEEIP	Middle T antigen	2,317244044	0,898712952	

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	1,021285005	0,140064803	
113	RRSSSRPIR	Protamine YI	3,585354158	1,136390017	On
114	SKIGSTENL	Microtubule-associated protein tau	0,671884096	0,131400559	
115	NDMTSL	Tropomyosin 1 alpha	0,697506351	0,092582923	
116	AARLSLTDP	platelet glycoprotein IB	0,825422974	0,09455938	
117	ARRSTTDAG	Choriogonadotropin beta	0,812371775	0,101586965	
118	DLKDTKYKL	myosin II heavy chain	0,837439712	0,072232794	
119	GAFSTVKGV	rhodopsin kinase	1,327863	0,153486785	
120	RGRASSHSS	Lamin A/C	1,385099606	0,09493176	On
121	RKRSRAEF	Histone H2B	1,103067546	0,095419374	
122	LRAASLG	Red cell/liver pyruvate kinase	1,119163559	0,130288113	
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	1,845048135	0,565255012	
124	SIDEYFSEQ	Interferon receptor	1,233104025	0,327863605	
125	EESESD	synaptic vesicle amine transporter	1,287722823	0,090305711	On
126	RRRS	Troponin I	3,230753404	1,645193534	
127	TAYGTRRHL	calponin alpha and beta	2,511637459	0,914318863	
128	TRRISQTSQ	ryanodine receptor	1,329207638	0,299937895	
129	VTPRTPPPS	Myelin basic protein	0,678693171	0,085039885	
130	REVSSLKSK	myosin heavy chain	1,311671491	0,16315518	
131	PEETQTQD	HSP90-alpha	0,96586055	0,072714338	
132	KKQISVR	Glycogen phosphorylase	2,427928337	0,253012309	On
133	WLTKSPDGN	caldesmon	0,993289085	0,299001028	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	1,885861851	0,266964872	On
135	PETVYEVAG	Cortactin	1,979563241	0,788291373	
136	QEPGSGPPE	somatostatin receptor type 3	0,589440888	0,139373661	
137	SVSSSPIKE	transcriptional factor SWI5	0,829679395	0,217414479	
138	TRLHSLRER	Sucrose synthase 1	1,760809372	0,322923653	On
139	PKEVYDVML	TrkC tyrosine kinase	1,02928957	0,094062347	
140	PRTPGGRR	Myelin basic protein	3,11296056	1,119652805	
141	KLSPSPSSR	Lamin B1	1,577897023	0,171494111	On
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	1,68828494	0,205397464	On
143	QASSTPLSP	Lamin A/C	0,74815465	0,235023261	
144	SRRDSLFP	Sodium channel protein type II alpha	1,064758108	0,044324384	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	1,06388726	0,15422761	
146	LLQDSVDFS	vimentin	1,266815255	0,160272913	
147	QLSTSEENS	Alpha-S2 casein	0,874827607	0,154440414	
148	KIQASFRGH	neurogranin	3,422225418	0,206697695	On
149	NKGASQAGM	calponin alpha and beta	1,080199333	0,127163142	
150	EIVESLSSS	Beta casein	0,784644987	0,117328519	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,860719504	0,186531706	
152	KRPSKRAKA	Myelin basic protein	1,99561532	0,587598882	
153	NRAITARRQ	Troponin I	1,93239398	0,281081424	On
154	PYKFPSSPLRIPGZ		0,736799122	0,308309251	
155	GSRPSESNG	Lens fiber major intrinsic protein	1,075838396	0,086172922	
156	DAHKSKRQH	transcription factor BAF1	1,130973423	0,1491495	
157	DSLIIYDDGL	Probable receptor with tyrosine-protein kinase activity	1,98255973	0,596485257	
158	GGRDSRSGS	Myelin basic protein	0,996788625	0,181795384	
159	GVERSVRPT	phosphorylase b kinase alpha	0,983427756	0,147016094	
160	EGVKSDQAE	neurofilament triplet M	0,938748875	0,391377866	
161	ESLSSSEES	Beta casein	1,064321174	0,519455915	
162	RVRMSADAM	Troponin I	0,846915563	0,13703448	
163	SNPTYSVMR	Middle T antigen	1,416583905	0,215700277	
164	SSKRAK	Myosin regulatory light chain 2	1,859739769	0,418678397	
165	AGDGSDEEV	myosin heavy chain	1,172481085	0,229555724	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,990444452	0,213501024	
167	DPLLTFRFP	Lamin A/C	0,852482348	0,217100065	

168	GENIYIRHS	erythrocyte protein 4.1	1,08113846	0,153719317	
169	RLSPSPTSQ	Lamin C	0,898515947	0,079445697	
170	RKESYSV	Histone H2B	1,460155234	0,894455047	
171	PLSRTL	Glycogen [starch] synthase	0,848235485	0,15711067	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	1,043613345	0,026811915	
173	SLSSSEESI	Beta casein	1,507229594	0,19467504	On
174	LRRASLAG	Red cell/liver pyruvate kinase	1,944881764	0,384287438	On
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	1,915536353	0,164880045	On
176	THERSPSPS	phosphorylcholine transferase	0,834758358	0,075877668	
177	TVTRSYSRV	Lamin A/C	2,570222103	0,333502417	On
178	YETDYRKG	Insulin Receptor (IR)	1,550382408	0,170762342	On
179	RKQISVRGL	Glycogen phosphorylase	2,058641631	0,147522863	On
180	AGTTYAL	myosin heavy chain IA (fragment)	0,995709353	0,170648233	
181	LRRASVA	pyruvate kinase	1,620301274	0,371796581	
182	YRGYSLGNW	Lysozyme C	0,933214694	0,26326606	
183	SSLKSRKRA	spermatid nuclear transition protein 1	3,186160846	1,01888655	On
184	PMRRSVSEA	hormone sensitive lipase	1,255102103	0,453984497	
185	RSKRSGSV	phosphorylase b kinase beta	3,391033914	0,590280729	On
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	1,116718735	0,12136012	
187	TTPLSPTRL	Lamin B2	1,380387259	0,089151268	On
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,990667279	0,083082779	
189	VKRGISGL	Histone H4	1,672576633	0,252092619	On
190	KRKQISVRG	Glycogen phosphorylase	3,627338522	1,183245656	On
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	1,042227099	0,185273464	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	1,133850464	0,136929957	
193	SRTLVSSSL	Glycogen [starch] synthase	1,112134781	0,080957254	
194	KRPSERA	Myelin basic protein	2,616028569	0,094245252	On
195	LRGRSFMNN	6-phosphofructokinase	1,443514136	0,189678518	On
196	QRVSSYRRT	Desmin	3,468877866	0,688679368	On
197	HDLSEMFFN	Prolactin	0,628610036	0,066078198	
198	KRPSRRAKA	Myelin basic protein	2,501738135	0,768886961	
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	2,597573589	1,680948268	
200	ENAPSSTSS	DNA topoisomerase II	0,664621956	0,090239526	
201	HMRSSMSGL	acetyl-CoA carboxylase	0,720108966	0,149126869	
202	LDRSSHAQR	Insulin Receptor (IR)	0,624133103	0,124919836	
203	PYKFPSSPLRIPGZ		0,677469379	0,224106596	
204	GKEIYNTIR	Ras p21 activator protein	0,744650636	0,121624913	
205	APATPGGRR	Myelin basic protein	1,971326236	0,193665104	On
206	DEEESEEA	elongation factor 1-beta	1,02350798	0,202127184	
207	FFKKSIST	glutamate receptor 6	2,67060575	0,123673228	On
208	GMGTSVERA	pyruvate dehydrogenase E1	0,681964027	0,102626392	
209	DYDSSDIED	cactus	2,536605852	0,993466634	
210	EKRASGQAF	stathmin	0,701839616	0,082624087	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,484357986	0,135848532	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,622141384	0,042852013	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	1,266976391	0,248111732	
214	RRASI	pyruvate kinase	1,857863919	0,347517904	On
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,642432323	0,097787914	
216	DDEMTGYVA	Mitogen-activated protein kinase p38	0,919469788	0,190263115	
217	ETDYRKG	Insulin Receptor (IR)	0,761066579	0,038056661	
218	YVTTSTRTY	vimentin	0,963744145	0,033109485	
219	SPQPSRRGS	protein phosphatase 1	2,074848794	0,303400235	On
220	RRAASVA	pyruvate kinase	1,660201567	0,066379288	On
221	RPSENGQP	Lens fiber major intrinsic protein	0,607282132	0,06530224	
222	SASTTPVKK	Histone H1	1,002800806	0,199852783	
223	NSYGSRRG	iron-responsive element binding protein	2,383694843	1,070997075	

224	LRRASL	pyruvate kinase	1,122830339	0,137408063	
225	SSTDSADSG	Early E1A	0,575568913	0,063047915	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	1,21604047	0,173296896	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,841285255	0,263225269	
228	YSFTTTAER	Actin	0,558584413	0,081338792	
229	SPFKYQSL	Beta-2 adrenergic receptor	0,674204799	0,092549652	
230	RKRSAAE	Histone H2B	0,994527531	0,111908046	
231	VIKRSPRKR	transcriptional factor SWI6	3,405456366	1,383249351	
232	SPVKSPEAK	neurofilament triplet M	0,713508153	0,105410991	
233	LRRASVAQL	pyruvate kinase	1,72940604	0,366851041	
234	PRMPSLSVP	Sodium channel protein	0,628662952	0,099757833	
235	SSPVYQDAV	Cortactin	0,911143982	0,315729138	
236	TKDITYDALH	T-cell surface glycoprotein CD3 zeta	0,698351777	0,07456211	
237	LRSPSWEFP	Heat Shock Protein 26	0,756422978	0,042971867	
238	PSLPTPPTR	Microtubule-associated protein tau	1,098186497	0,132880839	
239	KASASPRRK	Histone H3	2,965446169	0,550383459	On
240	KRRDYDLA	Probable receptor with tyrosine-protein kinase activity	0,733842075	0,120542948	
241	PAPAVRASDRA	Troponin I	0,624750015	0,082387108	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,606981388	0,053601259	
243	KGQESFKKQ	Nucleophosmin	1,440922504	0,064687236	On
244	KRSGSVYEP	phosphorylase b kinase beta	1,245002406	0,204996261	
245	KRAQISVRGL	Glycogen phosphorylase	2,60267109	0,291426391	On
246	HSSSQGGG	Lamin C	0,505866304	0,013831099	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	1,265776672	0,517509091	
248	EEESSYSYE	RNA polymerase alpha	4,754912153	2,043940277	
249	EQPGSDEED	Ornithine decarboxylase	1,005176959	0,131612792	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,701119963	0,248320641	
251	MLDHSESTK	myelin	0,580403026	0,20536268	
252	PYKFPSSPLRIPGZ		0,584901822	0,111659842	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	1,695452232	0,359851025	
254	AQDTYLVLD	Erythropoietin Receptor	0,886171385	0,254407072	
255	DIPESQMEE	Band 3 anion transport protein	0,898895216	0,171465379	
256	FPRASFGSR	Desmin	2,210072996	0,762523066	
257	GRKASGSSP	myosin light chain kinase	1,272717378	0,089100147	On
258	EDVGSDEEE	HSP90-alpha	1,305849772	0,148482715	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	0,880023627	0,126409107	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	0,766660809	0,215411762	
261	SFTTTAERE	Actin	0,447376814	0,096017841	
262	PLSRTL	glycogen synthase	0,676612584	0,110525504	
263	SGRGK	Histone H4	1,447668277	0,221944833	
264	APRSPGGRR	Myelin basic protein	2,698057392	0,356615413	On
265	DGERYDEDE	Glycogen [starch] synthase	1,739323815	0,646224167	
266	FKRPTLRRV	troponin I	3,110107816	0,570384129	On
267	REAEYEPET	Cortactin	1,444033017	0,520575533	
268	DRVYIHPF	Angiotensinogen	0,76535359	0,060033936	
269	VRRISGL	Histone H4	1,409887338	0,209155827	
270	RRKGTDVNV	Annexin I	1,3913967	0,256365341	
271	SETKTEEEE	DNA topoisomerase II	0,766991058	0,159968871	
272	PQRATSNVF	Myosin regulatory light chain 2	0,97385446	0,147736527	
273	RRGSV	pyruvate kinase or palladin	2,660254758	0,422460906	On
274	STSKSESSQ	40S ribosomal protein S6	0,736574948	0,095053961	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	1,390448574	0,350758052	
276	VPRTPGGRR	Myelin basic protein	3,356329779	1,069452768	On
277	RASSRSVR	Lamin B0	3,780903388	1,665373165	
278	SPSSPASL	phosphorylcholine transferase	0,68712486	0,125818599	
279	RVYVHPF		1,634968155	0,411775418	

280	VRRVSDDDR	Tyrosine 3-monooxygenase	0,831518999	0,044101658	
281	SRKMSIQEY	phosducin	0,984967168	0,102874987	
282	LSGFSEFKKS	myristolated alanine-rich C-kinase substrate	2,178370007	0,251937461	On
283	PSSTSSSSI	DNA topoisomerase II	0,816257614	0,29390257	
284	STGIYEALE	Alpha enolase	2,163332696	0,890636908	
285	TPPKSPSAS	Microtubule-associated protein tau	0,820713098	0,090455554	
286	LYSSSPGGA	vimentin	0,678901658	0,060353837	
287	PVPKSPVEE	neurofilament triplet M	0,730470961	0,033802868	
288	KKASFKAKK		4,375960643	0,721830483	On
289	KSPAKTPVK	Actin and myosin binding protein	2,086754882	0,142365331	On
290	PLSKTLSVSS	Glycogen [starch] synthase	0,75638849	0,137240975	
291	SRGKSSSYS	Fibrinogen alpha	1,463662593	0,496704056	
292	KKLGSKKPQ	Sodium channel protein type II alpha	2,736810205	0,413362258	On
293	KTASTRKY	cystic fibrosis transmembrane conductance regulator	3,727523715	0,249254834	On
294	PRRTRRAS	Protamine YII	0,98865345	0,209767805	
295	IHQRSRRL	Neutrophil cytosol factor 2	1,876960252	0,216372125	On
296	NDALSGSGN	galectin-3	0,751330865	0,138359499	
297	EETQTQDQP	HSP90-alpha	0,627398405	0,11281471	
298	ERSQSRKDS	alpha-1B adrenergic receptor	0,685617751	0,153636129	
299	IRQASQAGP	synapsins	0,587356623	0,075914897	
300	NFDDYMKEV	Fatty acid-binding protein	0,949763503	0,075988775	
301	PYKFPSSPLRIPGZ		1,107523358	0,558941668	
302	GRRQSLIQD	tyrosine 3-monooxygenase	1,007633434	0,175299448	
303	ASFEYTILD	Erythropoietin Receptor	1,3830046	0,283780409	
304	DLSTYASIN	Insulin receptor substrate 2	0,929837986	0,360457535	
305	GDNDYIPL	platelet-derived growth factor receptor	1,432474037	0,190995594	
306	GSESTEDQA	Alpha-S1 casein	0,641695034	0,121886275	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,818472989	0,038826378	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	1,09669988	0,186893755	
309	RRRSRSRS	Lamin B receptor	4,228078017	0,582871366	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,8706433	0,09881463	
311	NDITSL	Tropomyosin beta	0,919928472	0,243495398	
312	AARGSFIDAS	rhodopsin kinase	0,745094137	0,215255279	
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,611268218	0,085142801	
314	DLFGSDEED	elongation factor 1-beta	1,308555036	0,297771029	
315	FSSRSYTSG	Keratin 8	1,265269463	0,097997556	On
316	RGKSSYSK	Fibrinogen alpha	2,365008451	0,379397238	On
317	RKRSRAEA	Histone H2B	1,343736773	0,071885646	On
318	LKRASLG	pyruvate kinase	0,864020865	0,115223006	
319	RRRPTPATL	Protein phosphatase inhibitor 1	1,838899097	0,644654811	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,874051184	0,046770597	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	1,122753541	0,249545056	
322	RRRRASVA	pyruvate kinase	4,081641321	2,083861116	
323	TATDYHTTS	Band 3 anion transport protein	0,939254418	0,08616821	
324	TRRASRPVR	Protamine YII	2,912680476	0,21244391	On
325	VSSSYRRM	vimentin	2,731759753	0,661959281	On
326	REVSSLKKNK	myosin heavy chain	1,256043517	0,187522212	
327	LSYRRYSL		1,981853684	0,076350643	On
328	KKKASVA	pyruvate kinase	1,404138822	0,092467126	On
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	2,028051309	0,880077168	
330	SRRQSVLVK	glutamate receptor 6	2,322189793	0,291312799	On
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	4,47382437	2,323339231	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	1,215615886	0,238836532	
333	SVPPSPSLS	Glycogen [starch] synthase	0,611320444	0,025166474	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	0,969748594	0,103305799	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	1,706124849	0,148438049	On

336	KRKQISVR	Glycogen phosphorylase	3,992894112	1,465899838	On
337	KLRRSSSVG	Acetylcholine receptor protein delta	3,424376917	0,914780016	On
338	LDPLSEPED	Thyroid hormone receptor alpha	1,510095953	0,351191012	
339	QAGMTAPGT	calponin alpha and beta	0,701511534	0,066989165	
340	SRRASRPVR	Protamine Z	1,991516404	0,410003322	On
341	KPGFSPQPS		0,90062899	0,132529361	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	1,050257513	0,288100784	
343	QLNDSSEEE	E7 protein	1,334932354	0,234036533	
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	1,313106432	0,113718492	On
345	NIYISPLKS	Retinoblastoma-associated protein	1,577354541	0,169984266	On
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	1,238359385	0,408867164	
347	ESRISLPLP	vimentin	0,976045499	0,048271451	
348	KRPSIRAKA	Myelin basic protein	3,936247837	1,502093005	
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,493755346	0,122657942	On
350	PYKFPSSPLRIPGZ		0,790357101	0,181172728	
351	GSRGSQSSV	Desmin	1,30975846	0,209760856	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,815932875	0,210412786	
353	DRRVSAAE	cAMP-dependent protein kinase II (PKA)	0,827535587	0,109198363	
354	GGRASDYKS	Myelin basic protein	1,085323064	0,171479761	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	1,2437348	0,087790853	On
356	EGTHSTKRG	Fibrinogen alpha	1,141689596	0,067588694	
357	ESLESYEIN	Matrix Gla-protein	1,23961387	0,21594884	
358	RVRKTKGKY	glutamate receptor 1	4,101549649	0,484137721	On
359	SNPEYLSAS	Insulin Receptor (IR)	1,058549749	0,082875616	
360	RRSTVA	Protamines Z1 and Z2	1,786798436	0,48236985	
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,578079603	0,03808584	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,963854823	0,100077596	
363	DPGVSYRTR	pyruvate dehydrogenase E1	1,469700409	0,050578346	On
364	GEINTEDDD	calsequestrin	1,335003604	0,381311646	
365	RLSISTESQ	phosphorylase b kinase alpha	0,984492927	0,179975201	
366	RKEISVR	Glycogen phosphorylase	1,846945794	0,054402663	On
367	PGSPQKR	Histone H2	0,844112834	0,047279356	
368	RSGYSSPGS	Microtubule-associated protein tau	0,927518746	0,109135062	
369	SLRASTSKS	40S ribosomal protein S6	2,136922636	0,09792186	On
370	VRKISGL	Histone H4	1,789163963	0,65456234	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	1,209563628	0,181037798	
372	TGFLTEYVA	myelin	1,192759818	0,247344587	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,749595391	0,123377679	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	1,411685198	0,115966468	On
375	RKLSQGTR	spermatid nuclear transition protein 2	1,737772042	0,279647346	On
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	1,715070452	0,34486634	
377	LRRASPG	pyruvate kinase	1,10978458	0,212775447	
378	YMAPYDNYV	platelet-derived growth factor receptor	1,449570988	0,242799364	
379	SSKAYGNGY	Beta-2 adrenergic receptor	1,091341355	0,145825557	
380	PLTPSGEAP	EGF Receptor	0,900848978	0,207789928	
381	RRRRPTPA	pyruvate kinase	5,686711422	1,986693851	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,950318806	0,154835543	
383	TSSSIFDI	DNA topoisomerase II	1,090860172	0,07915129	
384	PPSPSLSRH	Glycogen [starch] synthase	2,561744648	0,572591831	On
385	SSKRAKAK	Myosin regulatory light chain 2	3,225521512	0,703423877	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	2,121697649	0,251681758	On
387	LNRMSFASN	acetyl-CoA carboxylase	1,091378776	0,114941082	
388	QRHGSKYLA	Myelin basic protein	0,914902105	0,134032975	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,954880695	0,342109738	
390	KRPSDRAKA	Myelin basic protein	3,53490726	0,880408506	On
391	LRGPSWDPF	Heat Shock Protein 27	1,118973211	0,259583483	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,844070386	0,398313434	
393	HDALSGSGN	galectin-3	0,65295159	0,111196106	
394	KRPSQRAKY	Myelin basic protein	2,256544043	1,188719159	
395	EDNEYTARE	Tyrosine-protein kinase Hck	1,562735568	1,187340401	
396	ENAFSPSRS	caldesmon	0,646374578	0,076710628	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,594723816	0,10477657	
398	LAYESHESM	Matrix Gla-protein	0,695089905	0,066462936	
399	PYKFPSSPLRIPGZ		0,757007209	0,036460957	
400	GHQGTVPSPD	Beta-2 adrenergic receptor	0,537317219	0,143200979	
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,637114667	0,041247243	
402	DEASTTVSK	Rhodopsin	0,660764794	0,126104588	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,826765452	0,116553629	
404	GLLRSWNDP	Prolactin	0,827506652	0,077285131	
405	DTVTSQARA	Proto-oncogene tyrosine-protein kinase Src	2,294064355	1,69431767	
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,713550084	0,143174873	
407	RRASTIEMP	Cardiac phospholamban	0,753967981	0,050876299	
408	SDEESNDDS	calsequestrin	0,811580266	0,191239098	
409	NVFSSPGGT	Actin and myosin binding protein	0,67361541	0,055269795	
410	RRASF	pyruvate kinase	1,921585113	0,838976618	
411	AKGGTVKAA	annexin IV	0,954970078	0,196553634	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	0,798256021	0,227830022	
413	ETDDYAEII	Focal adhesion kinase	1,215405789	0,444208781	
414	YTTNSPSKI	transcriptional factor SWI7	0,51596485	0,168440713	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,89291812	0,225989682	
416	RKRRTRKE	Histone H2B	1,928551134	1,021379888	
417	RPPGFTPFR		1,360217139	0,289589237	
418	SASGTPNKE	caldesmon	0,712937502	0,156861532	
419	NSVDTSSLS	Glycogen [starch] synthase	0,786532488	0,107953799	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	0,829181539	0,155156667	
421	SSSSPSRR	Lamin B receptor	1,995520322	0,763865348	
422	TKSASFLKG	nodulin-26	0,954575687	0,329329621	
423	VESLSSSEE	Beta casein	1,168078016	0,195419321	
424	YRRNSVRFL	Neutrophil cytosol factor 3	2,505252958	0,728146168	
425	SPALTGDEA	Insulin receptor substrate 4	0,874318351	0,151347814	
426	RKQITVR	Glycogen phosphorylase	2,700241983	0,712844227	On
427	VHNRSKINL	HMG-CoA reductase	1,198477186	0,414010975	
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,642939136	0,059473307	
429	LRRASLGAF	pyruvate kinase	1,956235432	0,576759358	
430	PRKGSPRKG	Histone H2B.2	1,418104074	0,528906059	
431	SSPGSPGTP	Microtubule-associated protein tau	0,837721497	0,212855641	
432	TKAASEKKT	myelin	0,946473993	0,403780402	
433	LRRSSSVGY	Acetylcholine receptor protein delta	3,887565921	1,831708466	
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	1,020928171	0,186247851	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,838417562	0,187218823	
436	KRQSSTSNA	phosphorylase b kinase beta	1,384992343	0,280098768	
437	QKRPSQRSKYL	Myelin basic protein	2,590719046	0,751144861	On
438	QSPSSSPTH	phosphorylcholine transferase	0,890695875	0,254928598	
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	1,127542124	0,480778514	
440	KRRSSSYHV	Sodium channel protein type II alpha	5,116436649	1,143126919	On
441	KAKQISVRGL	Glycogen phosphorylase	2,594493806	0,514880303	On
442	HSIYSSDDD	Myb proto-oncogene protein	0,889708374	0,304568919	
443	LVMQTAAGT	myosin light chain kinase	1,001296929	0,350064044	
444	EEELYLEPL	Tyrosine-protein kinase receptor	1,989708145	0,746285984	
445	EQLSTSEEN	Alpha-S2 casein	0,664365591	0,126062673	
446	IDMESQERI	Transcription factor AP-1	0,745620155	0,056383223	
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,743838314	0,095187841	

448	PYKFPSSPLRIPGZ		0,663329039	0,0554268	
449	GPAASAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,43443435	0,075058528	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,652453085	0,104734609	
451	DHSRSTKAA	myelin	1,01141407	0,107035542	
452	FPFHSPSRL	Alpha crystallin B	1,428070111	0,262502101	
453	GRILTLPRS	Insulin Receptor (IR)	1,241888712	0,187499256	
454	EDVGSDEED	Heat Shock Protein 90-beta	1,116631264	0,221743167	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,613965422	0,061557443	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	0,709370386	0,110303725	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,747101233	0,010375373	
458	PGTESFVNA	Beta-2 adrenergic receptor	0,65182061	0,01727787	
459	SDEEV	Troponin T	0,952009911	0,140644207	
460	APQTPGGRR	Myelin basic protein	1,741009029	0,285876444	On
461	DFPLSPPKK	stathmin	1,018590621	0,14085764	
462	FKAFSPKGS	Actin and myosin binding protein	1,732353105	0,172887463	On
463	RDSNYISKG	platelet-derived growth factor receptor	0,81962365	0,140746607	
464	DDEESESD	synaptic vesicle amine transporter	1,71667356	0,362420257	
465	VKRISGL	Histone H4	1,29242387	0,125575414	On
466	RRKDYPALH		1,117728257	0,189089294	
467	SEKKSGLG	myelin	0,710378011	0,079711866	
468	PPSAYGSVK	Annexin II	1,082131849	0,213063627	
469	RRFSV	pyruvate kinase	2,401652495	0,662632388	On
470	STRRSVGRS	multidrug resistance protein 1	4,440265401	0,514905271	On
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	4,017553497	1,392965545	On
472	VNELSKDIG	Alpha-S1 casein	0,769689734	0,035595966	
473	RAGETRFTD	elongation factor 3	0,626188291	0,196669531	
474	SPSPSFRWP	phosphorylcholine transferase	1,037803373	0,197273858	
475	RVSGSRR	Lamin C	4,578296549	1,007169652	On
476	VRLRSSVPG	vimentin	1,8173167	0,740068855	
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	0,949409103	0,099214929	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,949138407	0,269980725	On
479	PSRRSRSRS	Lamin B receptor	0,989469358	0,205260035	
480	STDYYREGP	TrkC tyrosine kinase	1,910276745	0,769918094	
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	1,859080497	0,45017634	
482	LVVASAGPT	RNA polymerase alpha	0,850057021	0,029211461	
483	PVPEYINQS	EGF Receptor	1,077582197	0,24849398	
484	KKAESPVKE	neurofilament triplet M	1,153578622	0,059319436	On
485	KSLNYIDLD	Insulin receptor substrate 5	1,338189776	0,419186742	
486	KRKQISVRGL	Glycogen phosphorylase	2,624981903	0,210887155	On
487	SRGDYMTMQ	Insulin receptor substrate 6	0,784191172	0,162171432	
488	KKKSGGEDD	eukaryotic translation initiation factor 4F	1,022341491	0,238239979	
489	KTSPSSSPA	phosphorylcholine transferase	1,050476402	0,100153304	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	1,016186743	0,172849945	
491	IGSVSEDNS	acetyl-CoA carboxylase	1,933440365	1,075567783	
492	NAPVSALGE	Myb proto-oncogene protein	0,700299991	0,0274172	
493	EETPYSYPT	Paxillin	1,708467094	0,607876207	
494	ERSPSPSFR	phosphorylcholine transferase	1,194064757	0,273434798	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	2,463898191	1,418155414	
496	NEEESYSY	RNA polymerase alpha	3,168404596	1,756060897	
497	PYKFPSSPLRIPGZ		0,889383451	0,23799383	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,858600683	0,141613368	
499	ASATSSSGG	Glycogen [starch] synthase	0,662816913	0,085398617	
500	DLPMPSPRTL	Signal Transducer and Activator of Transcription 3	0,611075364	0,05142747	
501	GDLQSAEFH	Cystatin	0,753843126	0,094169002	
502	GSEEMYNMD	Insulin receptor substrate 3	0,847601919	0,073716851	
503	EENTYDEYE	Cortactin	1,374059757	0,268862499	

504	ERRKSHEAE	stathmin	1,046734751	0,191803104	
505	RRRVTSATR	glial fibrillary acidic protein	2,997402817	1,787970136	
506	SKDSSKRGR	myelin	2,513751066	1,253417892	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,688596067	0,152126403	
508	AALESEDED	eukaryotic translation initiation factor 4F	1,296736174	0,283461658	
509	ARKSTRRSI	pleckstrin	3,27576018	1,492352187	
510	DLFGSDDEE	elongation factor 1-beta	1,500692309	0,462616394	
511	FRRLSISTE	phosphorylase b kinase alpha	1,009972206	0,115490339	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	1,050556795	0,226219227	
513	RKISASEF		0,8811355	0,190325696	
514	LHRASLG	pyruvate kinase	0,806251155	0,173767361	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,619439187	0,479792426	
516	SGYSSPGSP		0,746185745	0,16260002	
517	LGEGTP	Calgranulin B	0,821081921	0,071453624	
518	RRLSSLRA	40S ribosomal protein S6	3,724928698	1,393383411	
519	TAESSQAE	Neuromodulin	0,923269781	0,163885699	
520	TRRASFSAQ	Regulatory protein ADR1	1,381058206	0,349484241	
521	VSRTSAVPT	Desmin	0,707754867	0,160409644	
522	REQLSTSEE	Alpha-S2 casein	0,806122033	0,117018991	
523	LSYRGYSL		0,865058751	0,221163263	
524	KASGSSP		0,852382281	0,174544855	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	1,150756455	0,195478388	
526	SRRPSYRKI	cAMP response element binding protein	2,165896646	0,867919196	
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	3,052961097	1,759258825	
528	QEGDTDAGL		0,97819085	0,176543076	
529	SVFSSPSAS	caldesmon	0,648999449	0,116256996	
530	TRKISQTAQ	ryanodine receptor	0,883469024	0,167603415	
531	PINGSPRTP	Retinoblastoma-associated protein	0,744371447	0,150133767	
532	KQISVRGL	Glycogen phosphorylase	2,126584977	0,877314494	
533	KLINSIADT	Serine/threonine-protein kinase STE7	0,897695211	0,192879085	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	2,368344669	1,240289446	
535	PYDNYVPSA	platelet-derived growth factor receptor	1,392619835	0,432705329	
536	SRQLSSGVS	Heat Shock Protein 27	0,823251364	0,259129022	
537	KNIVTPRTP	Myelin basic protein	1,789495306	0,38967446	
538	LKLASPELE	Transcription factor AP-2	0,646203781	0,071760154	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,741696284	0,162631313	
540	IVYKSPVVS		0,967796535	0,261122303	
541	NGYISAAEL	Calmodulin	1,239538015	0,281151722	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,56010688	0,06926963	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,780956365	0,116390713	
544	KRPSHRAKA	Myelin basic protein	2,2732208	0,259766787	On
545	NNYVYIDPT	Mast/stem cell growth factor receptor	1,18543404	0,18088421	
546	PYKFPSSPLRIPGZ		0,773723569	0,321593073	
547	GSPRTPRRG	Retinoblastoma-associated protein	3,176986269	1,200241481	
548	DADEYLIPQ	EGF Receptor	1,721178127	0,324334079	On
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	1,189330472	0,158828975	
550	GGLTSPGLS	Keratin 8	0,543351374	0,194736874	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,718567614	0,15934564	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,392268488	0,498523579	
553	ESIISQETY	Alpha-S2 casein	1,50809712	0,247239753	
554	RVRKSKGKY	glutamate receptor 2	5,038627966	1,4551681	On
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,87241229	0,163640323	
556	RRPTVA	Protein phosphatase inhibitor 2	1,554687148	0,170617866	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,964256372	0,321816953	On
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,873788746	0,230432953	
559	DPGTSYRTR	pyruvate dehydrogenase E1	1,201764708	0,163139806	

560	GEGTYGVVY	cell division control protein 2	1,065082395	0,044082062	
561	RLRLSPSPT	Lamin C	1,398640759	0,037312797	On
562	RKASRKE	Histone H2B	1,85814553	0,389176276	On
563	LRRWSLG	pyruvate kinase	1,160989487	0,122687188	
564	RRVTSATRR	glial fibrillary acidic protein	3,969938003	1,348434413	On
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,97774489	0,453052142	
566	RRATPA	pyruvate kinase	1,50309006	0,241084865	
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	1,311906762	0,037949873	On
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,773322607	0,10728709	
569	TVSKTETSQ	Rhodopsin	0,61736519	0,055285963	
570	WSDTQGDE	14-3-3 protein zeta	1,442683181	0,253274758	
571	RKFSSARPE	Sodium channel protein	1,409853341	0,170950165	On
572	KKKKASVA	pyruvate kinase	1,817183711	0,472201668	
573	LRRASLG	pyruvate kinase	1,795664468	0,377669699	
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,917563395	0,208181201	On
575	SSEITTKDL	Prothymosin	1,048233392	0,213357381	
576	PLSRTLVS	glycogen synthase	1,312707219	0,126139225	On
577	LRRASLRG	pyruvate kinase	3,886972621	0,634933342	On
578	TEGQYELQP	Tyrosine-protein kinase Blk	1,696965455	0,405938458	
579	TSPSSPAS	phosphorylcholine transferase	0,778433674	0,395331162	
580	PPSAYGSVK	Annexin II	1,645669709	0,721941552	
581	RTKRSGSV	phosphorylase b kinase beta	3,443552741	0,505836045	On
582	KRFGSKAHM	nitric-oxide synthase	3,251722258	0,53754921	On
583	LNDSEEEED	E7 protein	1,437703243	0,298400367	
584	QRATSNVFA	Myosin regulatory light chain 3	0,823533813	0,028396271	
585	SRSRTPSLP		1,711649949	0,339971807	
586	KRPSARAKA	Myelin basic protein	3,531987297	0,589030414	On
587	LRAPSWIDT	Alpha crystallin B	1,285137959	0,263844149	
588	QRRTSVSGE	cAMP-dependent protein kinase	0,971128084	0,196396321	
589	HATPSPVD	Myb proto-oncogene protein	0,655870304	0,074040576	
590	KRPSQRAKA	Myelin basic protein	1,718034354	0,538527257	
591	EDAESEDEE	Nucleophosmin	1,457754263	0,674052731	
592	ENAEYLRVA	EGF Receptor	1,052359942	0,474977679	
593	HKRKSSQAL	Transforming protein erbA	1,519014388	0,414831076	
594	LAYESHESL	Matrix Gla-protein	0,995637009	0,188989229	
595	PYKFPSSPLRIPGZ		0,91088048	0,097664154	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,759619973	0,136036754	
597	ALRPSTSRS	vimentin	1,128187932	0,322944133	
598	DEAATKTQT	myosin II heavy chain	1,171222798	0,439717146	
599	FARKSTRRS	pleckstrin	2,684572143	1,20591423	
600	GLGESRKDK	myelin	1,141902543	0,447381652	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	1,012455935	0,288086606	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,83650339	0,120459539	
603	RRAISGLT	dihydropyridine-sensitive calcium channel	0,633490457	0,089426003	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,901193054	0,177590448	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	1,338093189	0,385580672	
606	RASLG		1,27477599	0,744538749	
607	AKDASKRGR	myelin	2,147409925	0,534682968	On
608	DDEASTTVS	Rhodopsin	0,732304247	0,261651432	
609	ETAESSQAE	Neuromodulin	0,728703774	0,030576782	
610	YTRFSLARQ	Transferrin receptor protein 1	1,181655746	0,270166308	
611	SPKQSPSSS	phosphorylcholine transferase	0,577380314	0,113662197	
612	RKRSRKE	Histone H2B	0,919949971	0,112969757	
613	RPPGFSPFR		1,369547163	0,350370405	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,847534965	0,29006943	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,753863799	0,185366952	

616	KGYSLG	Lysozyme C	0,834488426	0,16628348	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,471143451	0,098276248	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	1,679690058	0,601411322	
619	VEPLTPSGE	EGF Receptor	0,600338666	0,095949677	
620	YRLPSNVQD	Alpha crystallin A	0,72623005	0,161558693	
621	SPAISIHEI	phosphorylase b kinase alpha	0,901002601	0,207977633	
622	RKQISVR	Glycogen phosphorylase	1,018242667	0,307274673	
623	VGWPTVRER	Nef	1,543220485	0,606941523	
624	QTYRSFHD	cGMP-dependent protein kinase (PKG)	1,021896292	0,159593666	
625	LRRASLGAA	pyruvate kinase	2,054689267	0,558443746	
626	PRKGSPPRG	Histone H2B.2	0,81129745	0,211038819	
627	SSPASLSRA	phosphorylcholine transferase	0,937045913	0,40705362	
628	TKAASEKKS	myelin	0,783625713	0,204422393	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,815367538	0,047473919	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,803927574	0,051130338	
631	KAKVTGRWK	troponin T	4,294721586	0,842425758	On
632	KRPTQRAKY	Myelin basic protein	5,230872505	1,410454126	On
633	PLSRTL SVRSL	Glycogen [starch] synthase	1,828419784	0,262127923	On
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,825373427	0,172318735	
635	KGGSYSQAA	HLA class I histocompatibility antigen B7	1,356278799	0,099934833	On
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	2,569810903	0,211690166	On
637	KAQISVRGL	Glycogen phosphorylase	0,956683298	0,250800199	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,46517827	0,346037277	
639	LSGFSPKKN	myristolated alanine-rich C-kinase substrate	1,527181728	0,368885238	
640	EEEEYMPME	Middle T antigen	0,964219601	0,084104906	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	0,885773803	0,188757186	
642	IDKISRIGF	glycine receptor alpha	0,757767397	0,0312777	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,63614436	0,137480687	
644	PYKFPSSPLRIPGZ		0,791984661	0,253243942	
645	GNHTYQEIA	Paxillin	0,734454143	0,185444755	
646	APVASPAAP	synapsins IA and IB	0,726133044	0,023968023	
647	DGNNSEDES	calsequestrin	1,205857922	0,402209219	
648	FMTEYVTR	mitogen-activated protein kinase MSK7	0,845623809	0,084390832	
649	GRGLSLSRF	Myelin basic protein	1,430208594	0,261542061	
650	EDTLSDSDD	N-myc proto-oncogene protein	1,521781757	0,529836549	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,815151689	0,167919598	
652	RRPTSPVSR	Early E1A	2,035010464	0,609541606	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,898156507	0,170514177	
654	QKRPSQRSK	Myelin basic protein	2,131937768	0,512718798	On
655	SDEEH	initiation factor 5A	0,695773994	0,017107813	
656	APLTPGGRR	Myelin basic protein	3,609371701	2,771065768	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,778589541	0,106598859	
658	FGSRSLYGL	keratin, type II	0,95049643	0,095195334	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,642689782	0,091288056	
660	AVRRSDRA	Troponin I	1,434890996	0,507145455	
661	VKRGSGL	Histone H4	1,255943578	0,359371547	
662	RRKDTPALH		0,88552614	0,18903655	
663	SEITTKDLK	Prothymosin	0,805899713	0,028113907	
664	PNVSYIASR	protein kinase shaggy	1,123264835	0,193335184	
665	RRDSV	pyruvate kinase	1,079041753	0,171535685	
666	STRRSIRLP	pleckstrin	3,492126586	1,496085238	
667	TPQVSDTMR	glycogenin	0,736677753	0,093786571	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,720793201	0,091563527	
669	RAAHSIKGG	Chemotaxis protein cheA	1,429157114	0,399293965	
670	SPSLSRHSS	Glycogen [starch] synthase	1,767603595	0,520356583	
671	RTPPPSG	Myelin basic protein	0,919852791	0,198361304	

672	VRKRTLRL	EGF Receptor	2,750935362	1,440513592	
673	SRKSGFGH	gap junction beta-1 protein	1,484724053	0,576126472	
674	LSGESDLEI	DNA topoisomerase II	1,028773507	0,261534966	
675	PSQRSKYLA	Myelin basic protein	0,769514327	0,173526011	
676	STDEYLDLS	Receptor tyrosine kinase	2,586164523	1,820478231	
677	TNHIYSNLA	Mast/stem cell growth factor receptor	1,011339431	0,099986581	
678	LSRHSSPHQ	Glycogen [starch] synthase	1,839144945	0,724948038	
679	PTRHSRVAE	Lamin	0,956673981	0,114660185	
680	KISITSRKA	GTP-binding protein era	2,575170315	0,9892779	
681	KSKISASRK	troponin I	3,07351449	0,936525355	On
682	KRKQISVGGL	Glycogen phosphorylase	1,3125776	0,276743366	
683	SRALSRQLS	Heat Shock Protein 27	2,655906991	0,876349811	
684	KKKFSFKKP	MARCKS-related protein	4,030889388	0,693814642	On
685	KTRSSRAGL	Histone H2A	2,943096401	0,520507589	On
686	PAPGSPPEP	Early E1A	1,155109577	0,512695673	
687	IGSESTEDQ	Alpha-S1 casein	0,949738609	0,080333081	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	0,881340884	0,13355417	
689	EEQEYVQTV	Annexin I	0,968202401	0,068998282	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,702163636	0,146816009	
691	IREESPPTS	Glycoprotein IV	0,517027014	0,07586926	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	1,035943031	0,120500083	
693	PYKFPSSPLRIPGZ		0,674109808	0,125689131	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	1,234246638	0,134047136	
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	1,204603235	0,034171115	On
696	DLPLPSAF	tristetraproline	1,085884971	0,083988623	
697	GDKKSKKAK	Na+/K+ ATPase 1	1,305285567	0,217269748	
698	GSDVSFNEE	DNA topoisomerase II	1,28296444	0,263695577	
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,5698714	0,107253303	
700	ERQKTQTKL	myosin light chain kinase	0,846573592	0,054087775	
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	1,298360602	0,105981784	On
702	SKAGSLGNI		0,696577571	0,246568248	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,560497735	0,066038409	
704	AAATTPAAE	neuromodulin	0,611815188	0,260133588	
705	ARKKSSAQL	ras-related protein rap-1b	0,965586432	0,245224115	
706	DKVTSPTKV	caldesmon	0,600410728	0,130179898	
707	FRRFTPDSL	Sodium channel protein	0,901395522	0,336142583	
708	RFTDTRKDE	elongation factor 4	0,787260918	0,039167005	
709	RKISASEA		0,752814035	0,228527036	
710	LARASLG	pyruvate kinase	1,065869747	0,072211894	
711	RRRLSSLRA	40S ribosomal protein S6	1,11123412	0,02821603	On
712	SGYISSLEY	Complement C1r	1,556294632	0,401984236	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,631648604	0,062709103	
714	TIAVG	Photosystem Q(A)	0,656516111	0,068119151	
715	TADISEDEE	phosphorylcholine transferase	1,681626942	0,164496187	On
716	TRQTSVSGQ	synapsins IA and IB	0,681341314	0,034916997	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	1,760882308	0,629685683	
718	REQESSGEE	Protein phosphatase inhibitor 2	0,814626513	0,205461945	
719	GTKRSGSV	phosphorylase b kinase beta	1,560103992	0,132329588	On
720	NRLQTMKEE	Lamin C	0,695180493	0,151904077	
721	VVELSGESD	DNA topoisomerase II	1,104149187	0,097318607	
722	SRRPSRATW	Vitronectin	2,907050022	0,543816583	On
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,932714806	0,366049642	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	0,854412458	0,077241638	
725	STTVSKTET	Rhodopsin	0,723298887	0,100532073	
726	TRKISASEF		0,650296381	0,087592971	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,549180275	0,050806805	

728	KQGSGRGL	Glycogen phosphorylase	1,815548021	0,044490171	On
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	3,651610696	0,552313612	On
730	LASSSKEEN	Cystatin S	0,837482204	0,144626574	
731	PLRRTLVA	glycogen synthase	1,099899789	0,121643592	
732	SRPSSNRSY	vimentin	2,157375714	0,410426085	On
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	2,101304201	0,218843029	On
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	1,369805466	0,467727785	
735	QKAQTERKS	troponin T	1,019958787	0,120025218	
736	ISTESQPNG	phosphorylase b kinase alpha	0,601329245	0,243136081	
737	NGNNYVYID	Mast/stem cell growth factor receptor	1,126266372	0,201193938	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	1,228469485	0,386382002	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	1,011021195	0,276518347	
740	KRKSSQALV	Transforming protein erbA	1,830466867	0,72892158	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,787296828	0,409291777	
742	PYKFPSSPLRIPGZ		1,029364078	0,598540041	
743	GSPGTPGSR		0,896711607	0,145955352	
744	AVVRTPPKS		1,511207782	0,361182941	
745	DRKLSTKEA	multidrug resistance protein 2	0,723397171	0,148709068	
746	GGIRSLNVA	isocitrate dehydrogenase	0,92065921	0,188607853	
747	GTRLRLARM	glial fibrillary acidic protein	1,463308988	0,10618582	On
748	EGNKSPAPK	Actin and myosin binding protein	0,941842258	0,357722429	
749	ESHESMESY	Matrix Gla-protein	0,87318668	0,286013553	
750	RVRISADAM	Troponin I	0,718627972	0,114301202	
751	SNDDSDDDD	calsequestrin	1,233965536	0,485289665	
752	RRPTPA	Protein phosphatase inhibitor 3	1,502319574	0,273440811	
753	AEGSSNVFS	Myosin regulatory light chain 2	0,8361606	0,324029055	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	1,239914275	0,211022524	
755	DNPDYQQDF	EGF Receptor	2,463165545	0,679524086	On
756	GDVKYADIE	platelet-derived growth factor receptor	1,142458449	0,125619565	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	1,061751705	0,320084921	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	2,252431822	1,091995002	
759	LRRPSLG	pyruvate kinase	2,083823909	0,429752823	On
760	RRVRSQEPG	somatostatin receptor type 4	1,093681667	0,067399185	
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,814786427	0,322361004	
762	RRASVA	pyruvate kinase	1,862755964	0,412656619	
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	1,158437268	0,295682355	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,753919952	0,178153794	
765	TVKSSKGGP	Annexin I	1,15721777	0,259184585	
766	WTSDSAGEE	14-3-3 protein tau	1,560187923	0,414732399	
767	RKAASVIAK	DNA polymerase beta	2,169470478	0,4891698	On
768	LRRASLDG	pyruvate kinase	0,924905356	0,192536008	
769	LRRASGG	pyruvate kinase	1,264343609	0,147118393	
770	YHTTSHPGT	Band 3 anion transport protein	0,984372613	0,198270625	
771	SSEESITRI	Beta casein	1,033766921	0,246477575	
772	PLAGSPVIA	casein kinase II	0,966530379	0,211865003	
773	LGSPLRRR	vimentin	4,757057708	1,450515024	On
774	TEDQYSLVE	PI3-kinase p85-alpha	2,341298622	1,227487159	
775	TRTYSLGSA	vimentin	1,162048351	0,249851407	
776	PPSAYATVK	Annexin II	1,089950904	0,205213148	
777	RTKRSGSV	phosphorylase b kinase beta	3,071184813	0,319615936	On
778	KREASLDNQ	Phytochrome A	0,764859063	0,072299644	
779	LMDKYHVDN	Early E2A	0,730317789	0,129820436	
780	QQGMTVYGL	calponin alpha and beta	1,164697085	0,185167124	
781	SRSRSRSRS	Lamin B receptor	6,73493067	0,28156558	On
782	KRNSSPPPS		1,759353711	0,175595192	On
783	LQRYSSDPT	EGF Receptor	0,819863097	0,202232547	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	1,895901174	0,554972418	
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,710578823	0,058602287	
786	KRPSNRAKA	Myelin basic protein	1,968024937	0,306857054	On
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,808334831	0,089867915	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,931467931	0,257189583	
789	HKIKSGAEA	DNA polymerase beta	0,961082242	0,156489826	
790	LARRSTTDA	Choriogonadotropin beta	0,75874194	0,096689685	
791	PYKFPSSPLRIPGZ		0,889015923	0,236554448	
792	GGTGTPNKE	Actin and myosin binding protein	0,704048427	0,176228515	
793	ALGISYGRK	TAT protein	2,36539958	0,298172943	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,64904138	0,154303948	
795	EYVQTVKSS	Annexin I	0,826795103	0,086883171	
796	GKTDYMGEA	Beta-2 adrenergic receptor	1,030958485	0,096433143	
797	DSTYYKASK	Focal adhesion kinase	1,250427023	0,184530484	
798	EKEISDDEA	Heat Shock Protein 90-beta	0,985087667	0,215064296	
799	RRADSLQKN	iron-responsive element binding protein	0,827827734	0,135721397	
800	SAYGSVKAY	Annexin II	0,790456629	0,109304586	
801	NTSSSPQPK	p53	1,141520471	0,372493169	
802	GSRRR	protamine	4,434259582	1,957631368	
803	AKAKTTKKR	Myosin regulatory light chain 2	4,045022302	0,754106519	On
804	DDAYSDET	Protein phosphatase inhibitor 2	3,609050434	1,825575327	
805	ESVDYVPMML	platelet-derived growth factor receptor	1,553985158	0,390584776	
806	YSTDYREG	TrkC tyrosine kinase	2,017186447	0,44521065	On
807	SPKKSPRKA	Histone H4	2,358293161	0,402115618	On
808	RKRSRKA	Histone H2B	3,123399579	0,999033223	On
809	RPPASPSQ	synapsins IA and IB	1,003036646	0,256939874	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	1,286279134	0,112961079	On
811	NRQSSQARV	Phytochrome A	1,492836308	0,301811071	
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,857547593	0,273337953	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	2,466340722	0,634253503	On
814	TKKQSFKQT	cystic fibrosis transmembrane conductance regulator	1,328976361	0,036307096	On
815	VDSAYEVIK	L-lactate dehydrogenase M	1,910046622	0,571627291	
816	YRKSSLKSR	spermatid nuclear transition protein 3	3,578991796	0,698627836	On
817	SNVSSTGSI		1,089904691	0,334754663	
818	RARSRKE	Histone H2B	1,997557411	0,259354347	On
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,70618599	0,072053241	
820	QTVKSSKGG	Annexin I	1,383134127	0,117784308	On
821	LRMFSEKAP	Gamma-aminobutyric-acid receptor gamma-2	1,397983639	0,097299736	On
822	PRHLSNVSS		0,894584142	0,207356819	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	1,273598167	0,305713397	
824	THYGSLPQK	Myelin basic protein	1,251845322	0,111867508	
825	LRRPSDQAV	Transforming protein rel	0,980907953	0,208168636	
826	PRRNSRASL	Sodium channel protein type II alpha	0,80662564	0,037618188	
827	KAKTTKKRP	Myosin regulatory light chain 2	5,04686785	1,366730383	On
828	KRPSGRAKA	Myelin basic protein	3,853971065	0,679176837	On
829	PLSKTSLVSSL	Glycogen [starch] synthase	1,017641624	0,15993676	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	1,087135521	0,369010737	
831	KGATSDEED	DNA topoisomerase II	0,992314925	0,248527783	
832	KRRNSEFEI	tryptophan 5-monooxygenase	1,184427305	0,225520884	
833	LTRRASFSAQ	Regulatory protein ADR1	1,99328378	0,648521753	
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,624826963	0,048608247	
835	LRRFSLATM	Cytochrome P450 2B1	1,412651788	0,257341245	
836	EEEAYGWMD	Gastrin	1,808372392	0,465043723	
837	EQESSGEED	Protein phosphatase inhibitor 2	0,880397971	0,116448979	
838	IAADSEAEQ	Insulin receptor substrate 7	0,921157403	0,238282124	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,73285026	0,099613803	

840	PYKFPSSPLRIPGZ		0,758317084	0,071105668	
841	GNGDYMPMS	Insulin receptor substrate 8	0,866421082	0,269603657	
842	APRYPGGRR	Myelin basic protein	3,256439272	1,668133285	
843	DGNKSPAPK	caldesmon	1,058313177	0,465306436	
844	FMTEYVATR	mitogen-activated protein kinase	0,95157738	0,209052402	
845	GRASSHSSQ	Lamin C	1,622314655	0,151619157	On
846	EDSTYYKAS	Focal adhesion kinase	1,534897289	0,2194986	On
847	ENPQYFRQG	TrkC tyrosine kinase	0,719868047	0,127418218	
848	RRPTPATVA	Protein phosphatase inhibitor 4	1,279496908	0,079764299	On
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,825516726	0,267549399	
850	QEKESERLA	Beta-2 adrenergic receptor	1,065855887	0,641154967	
851	RRVSV	pyruvate kinase	2,638789603	0,730074394	On
852	APFTPGGRR	Myelin basic protein	2,702512786	1,266772811	
853	DEKLSEILG	RNA polymerase alpha	1,487863514	0,920785912	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotran	1,088137758	0,443842606	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	2,668579593	1,325519686	
856	AVRRSDAA	Troponin I	1,08120343	0,071888261	
857	TKRSGSV	phosphorylase b kinase beta	1,362965154	0,068487796	On
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	1,003183116	0,433708513	
859	SEGDSSEGE	Serum response factor	1,283951502	0,149849224	
860	PLDRSSHAQ	Insulin Receptor (IR)	0,909836582	0,236472653	
861	RRASS	pyruvate kinase	2,099935891	0,577071118	
862	STPLSPTRI	Lamin A/C	1,349668381	0,029221986	On
863	TPPLSPSRR	Myc proto-oncogene protein	3,094060885	0,805106253	On
864	VKRISGLIY	Histone H4	1,477866834	0,117280705	On
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	2,208677811	0,563854235	On
866	SPRTPGGRR	Myelin basic protein	3,698338064	1,262064728	On
867	RRRRSVA	pyruvate kinase	4,204990986	0,943121476	On
868	VRFESIRLP	Choriogonadotropin beta	1,3918834	0,194761923	
869	SRKESYSVY	Histone H2B	0,819792617	0,127985941	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	3,066333478	0,311039171	On
871	PSPSSRVTV	Lamin B1	1,089026058	0,21075477	
872	SSVPTPSPL	casein kinase II	0,709201714	0,138804881	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	1,461077073	0,554677165	
874	LSRFSWGAE	Myelin basic protein	0,739857178	0,080899754	
875	PTKRSPTKR	Histone H2B.1	1,491994883	0,441207779	
876	KISASRKLQ	troponin I	3,3994031	1,287640759	
877	KSFGSPNRI	cell division protein kinase 7	1,801314315	0,31761241	On
878	KRKQISVAGL	Glycogen phosphorylase	1,725196913	0,09465164	On
879	SQHSTPPKK	Large T antigen	0,913019717	0,086704366	
880	KKIDSFASN	acetyl-CoA carboxylase	1,037536473	0,066039955	
881	KTETSQVAP	Rhodopsin	0,616777466	0,044465631	
882	PAAPSPGSS	synapsins IA and IB	0,672916076	0,109995295	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,793322916	0,139550366	
884	MQLKSEIKQ	phosphorylase b kinase alpha	1,560828251	1,089771749	
885	EEQEYIKTV	Annexin I	1,737603053	0,297099381	On
886	ERRPSNVSQ	Sodium channel protein type II alpha	0,69864244	0,085365516	
887	IPHPTVRT	Retinoblastoma-associated protein	1,202654861	0,111565087	
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,674739986	0,245708703	
889	PYKFPSSPLRIPGZ		0,550508838	0,037437719	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	1,792473134	0,139684267	On
891	ARTKRSGSV	phosphorylase b kinase beta	2,536866731	0,547087986	On
892	DLPGETDFV	Beta-2 adrenergic receptor	1,542796968	0,227659927	On
893	GALYSGSEG	Serum response factor	0,969822673	0,086262596	
894	GRVLTLP RS	Insulin Receptor (IR)	2,188487811	0,792314311	
895	EKESSNDS	muscarinic acetylcholine receptor M2	0,698768818	0,033603951	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,616205747	0,095859476	
897	RRRRSRRAS	Protamine Z	3,301971715	1,533731401	
898	SIYSSDDDE	Myb proto-oncogene protein	2,510293685	0,647944966	On
899	HGYSLG	Lysozyme C	0,863020516	0,137054414	
900	AAASFKAQR		1,880407604	0,282751138	On
901	ARKFSSARP	Sodium channel protein	2,05173812	0,446944483	On
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	1,099197829	0,396727704	
903	FRKLSFTES		1,056825811	0,151347601	
904	RFHKSSKDS	myelin	0,850388187	0,171047141	
905	RAKRSGSV	phosphorylase b kinase beta	2,31815148	0,225359921	On
906	KSESSQK	40S ribosomal protein S6	0,923000149	0,069461453	
907	RRRLSDSNF	synapsins	0,96995891	0,159599694	
908	SGKTSPSSS	phosphorylcholine transferase	0,837304598	0,083868438	
909	KSRRTI	Interleukin-2 receptor alpha	1,227040713	0,314933776	
910	TAILE	Photosystem Q(B)	0,684211812	0,069544456	
911	SYPLSPLSD	Cytosolic phospholipase A2	1,342768138	0,243200321	
912	TRQASQAGP	synapsins IA and IB	0,942215	0,145789786	
913	VRVYTHEVV	cell division control protein 2	0,816229989	0,174719377	
914	RENEYMPMA	Middle T antigen	0,785874255	0,205654452	
915	GRGLSLSR	Myelin basic protein	1,891428277	0,280678189	On
916	YIYGSFK		1,138718654	0,137916118	
917	VTRSSAVRL	vimentin	1,490930497	0,156779752	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	0,76496398	0,045497416	
919	PASPSPQRQ	synapsins IA and IB	0,786978781	0,265564218	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran	1,014547938	0,073682038	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,766582408	0,144106295	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	1,614691666	0,36164114	
923	PGGSTPVSS	casein kinase II	0,8236418	0,252965405	
924	QGTLKIFK	Myelin basic protein	1,692132508	0,103334314	On
925	KKRLSVERI	DNA topoisomerase II alpha	2,351573647	0,177464216	On
926	KYRKSSLKS	spermatid nuclear transition protein 4	2,767244425	0,266119375	On
927	PLSRRLSVA	glycogen synthase	1,096310646	0,193298674	
928	SRLHSVRER	sucrose synthase 2	1,92371758	0,29921048	On
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	1,556692386	0,341269728	
930	LGGGTFDIS	Heat Shock Protein 70	0,984486357	0,30275092	
931	QHLKSVMLQ	Troponin I	1,08947646	0,170368614	
932	ISQESSEEE	high mobility group protein	1,202538898	0,145411243	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,63656953	0,071368595	
934	EHVSSSEES	Alpha-S2 casein	0,746204031	0,066393202	
935	ESMESYEVS	Matrix Gla-protein	1,949116364	0,458425455	
936	KQLASFEIY	Cystatin S	0,81157536	0,079521379	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,813438376	0,120859945	
938	PYKFPSSPLRIPGZ		0,664986982	0,183716623	
939	GSLKSRKRA	spermatid nuclear transition protein 1	3,338262459	0,792990204	On
940	AVRRSDRAY	Troponin I	1,422479608	0,165234948	On
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	1,381602746	0,159994805	On
942	GGGTSPVFP	Desmin	0,769009446	0,074664072	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,659977445	0,092587669	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,485062463	0,127406193	
945	ESHESLESY	Matrix Gla-protein	1,214573359	0,254270747	
946	RVLESFRAA	voltage-gated potassium channel	1,250435029	0,139204736	
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,721741317	0,138801588	
948	RRPSPA	pyruvate kinase	1,764322282	0,406404377	
949	ADSFSLNDA	galectin-3	1,523195646	0,799291238	
950	ATSASPPQK	p53	0,948456228	0,063125624	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	1,55952304	0,264436544	

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,748886477	0,132222952	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,603216241	0,118254286	
954	ASGSFKL	Histone H1.1	0,847798231	0,125800803	
955	LRRGSLG	pyruvate kinase	1,650797076	0,29586954	
956	RRSVSEAAL	hormone sensitive lipase	0,728051112	0,094548538	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	1,147780143	0,323244328	
958	RRASLG		1,747470636	0,223341417	On
959	AAVDTSEI	Prothymosin	1,167106246	0,202573658	
960	TESQSLTLT	Beta casein	0,684169159	0,065646872	
961	TTRVTPLRT	Desmin	1,939496066	0,36690275	On
962	WTADSGEGD	Fibrinogen alpha	1,539652797	0,204929694	On
963	RHRDTGILD	Myelin basic protein	0,776913976	0,131456405	
964	NRIYTHQVV	cell division protein kinase 7	1,827986079	0,295477418	On
965	LRKASLG	pyruvate kinase	1,30610722	0,128649943	On
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,710661937	0,146002106	
967	SSEESIISQ	Alpha-S2 casein	0,933542565	0,10045114	
968	PKRGSKGKD	Myelin basic protein	0,921716689	0,208007669	
969	LGSALRRR	vimentin	6,317415894	0,981352136	On
970	TDESDNEI	lower matrix phosphoprotein	1,797062693	0,150562618	On
971	TRSVSSSSY	vimentin	1,362815071	0,217012207	
972	PPRRSSIRN	Neutrophil cytosol factor 7	5,519754221	1,900095905	On
973	RTKGSQSV	phosphorylase b kinase beta	2,419444582	0,260292429	On
974	KRAASPRKS	Histone H5	3,339278851	0,583421675	On
975	LMAPSEEDH	insulin-like growth factor binding protein 2	0,848297424	0,18798318	
976	QNPVYHNQP	EGF Receptor	1,105521585	0,042044079	On
977	SRSRSRSPG	Lamin B receptor	5,670772536	1,251579772	On
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	1,897172464	0,259549874	On
979	LQDDYEDMM	Band 3 anion transport protein	1,953732625	0,501212771	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,763139701	0,086092942	
981	GVLRRASVA	pyruvate kinase	1,789488644	0,185400547	On
982	KRPSLRAKA	Myelin basic protein	2,632998315	0,333673898	On
983	EASTTVSKT	Rhodopsin	0,991900443	0,183534784	
984	ELSNYIAMG	Insulin receptor substrate 9	0,695377666	0,086884846	
985	HHHATPSPP	Myb proto-oncogene protein	0,700480681	0,146520044	
986	KTETSQVAP	Rhodopsin	0,590455481	0,063168585	
987	PYKFPSSPLRIPGZ		0,666989724	0,129625837	
988	GGSVTKKRK	Lamin C	2,696976455	1,332276493	
989	AKRISGKMA	cell division control protein 2	1,731470389	0,263421361	On
990	DDPSYVNVQ	Adaptor molecule SHC	1,036693103	0,235672856	
991	EVEKSPVKS	neurofilament triplet M	0,846333589	0,106094571	
992	GKSSSYSKQ	Fibrinogen alpha	1,550185328	0,365002414	
993	DSRSSLIRK	multidrug resistance protein 3	1,557098636	0,118806337	On
994	EKAKSPVPK	neurofilament triplet M	1,142253629	0,174377043	
995	RQRKSRTTI	Interleukin-2 receptor alpha	3,011546868	1,131091312	
996	SAYATVKAY	Annexin II	0,962713607	0,111290368	
997	NTDGSTDYG	Lysozyme C	2,101285153	0,951489924	
998	KRTRLR	EGF Receptor	2,698150029	0,526038874	On
999	AGPTSARDG	RNA polymerase alpha	0,843227514	0,033038937	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	0,874068208	0,181024401	
1001	ESSYSYEEI	RNA polymerase alpha	1,964451237	0,771590861	
1002	YSLGSALRP	vimentin	1,100066415	0,050772922	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,848544475	0,148698488	
1004	RKRRAE	Histone H2B	1,641303826	0,091595446	On
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,761720618	0,156042449	
1006	SAELYSNAL	platelet-derived growth factor receptor	1,026432179	0,364114409	
1007	NRQLSSGVS	Heat Shock Protein 28	0,914994083	0,200724953	

1008	VGPDS	p53	0,812587405	0,201720736	
1009	SSSESGAPE	Clathrin light chain B	0,86138284	0,106898688	
1010	TKHIYSNLA	Mast/stem cell growth factor receptor	0,834914464	0,13283175	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,854947644	0,236694227	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	1,375043731	0,317565338	
1013	SNQEYLDLS	Receptor tyrosine kinase	1,334647128	0,56708231	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,927662519	0,183486572	
1015	VGFMTYVA	mitogen-activated protein kinase 1	1,111022024	0,307602035	
1016	QTASSPLSP	Lamin	0,879196513	0,126426417	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	1,164706544	0,267174081	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,845072273	0,163087359	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,988613207	0,379756518	
1020	THVASVSDV	acetyl-CoA carboxylase	0,99868955	0,061532052	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	3,192718029	0,652557556	On
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	1,364649762	0,327354317	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	1,036603124	0,162013999	
1024	KRPSFRAKA	Myelin basic protein	3,773060653	0,470310409	On
1025	PTSPASPQPKG	Tyrosine 3-monooxygenase	0,972673317	0,179709874	
1026	QRYSSDPTG	EGF Receptor	0,830882961	0,266252046	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,84559638	0,231211967	
1028	KRRLSFSET	Interleukin-1 alpha	2,044933974	0,37193874	On
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	6,890940233	1,420347663	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,540242862	0,028992144	
1031	LNRMSFASN	acetyl-CoA carboxylase	0,732118574	0,104065714	
1032	EEDTYTMPS	Focal adhesion kinase	1,690406666	0,89738572	
1033	EQEYEDPD	Band 3 anion transport protein	1,028492511	0,301686636	
1034	HVSSSEESI	Alpha-S2 casein	0,746675603	0,200997141	
1035	METPSQRRRA	Lamin C	1,304140464	0,479134869	
1036	PYKFPSSPLRIPGZ		0,769198926	0,222165885	
1037	GNFNYVEFT	Myosin regulatory light chain 2	1,371620765	0,388810469	
1038	APRTPGGRR	Myelin basic protein	3,615256688	1,314464271	
1039	DGNGYISAA	Calmodulin	1,018148373	0,065995104	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,735629927	0,125892585	
1041	GRALSTRAQ	Troponin I	1,844615785	0,502532097	
1042	EDRMSLVNS	Cystatin S	0,600087965	0,171592277	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	1,221427948	0,746103863	
1044	RRLSSLRAS	40S ribosomal protein S6	2,844306393	0,740585133	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,056801961	0,529926832	On
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,982878687	0,319334139	
1047	RRPSV	pyruvate kinase	1,379087119	0,23602889	
1048	APETPGGRR	Myelin basic protein	1,516002745	0,281036039	
1049	DEEMSETAD	Protein phosphatase inhibitor 2	0,779429499	0,110377541	
1050	FFSSSESGA	Clathrin light chain B	0,803095595	0,0639998	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,803227284	0,177620658	
1052	APTPGGRR	Myelin basic protein	2,670325906	1,190910285	
1053	STNDSPL	Beta-2 adrenergic receptor	0,872078924	0,243918738	
1054	RRKASGPPV	Histone H1.1	1,358708351	0,071111045	On
1055	SEENSKKTV	Alpha-S2 casein	0,663951451	0,088326447	
1056	PASPSPQRQ	synapsins IA and IB	0,843003152	0,104623002	
1057	RRASR	pyruvate kinase	2,939523988	0,714611467	On
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,859582727	0,251084271	
1059	TPPLSPIDM	Transcription factor AP-5	0,791635504	0,187188499	
1060	VKGATSDEE	DNA topoisomerase II	0,853512194	0,082398186	
1061	QRATSNVFA	Myosin regulatory light chain 5	0,821130307	0,152069714	
1062	SPRKSPRKS	Histone H6	3,187145112	0,865878722	On
1063	RRRASVA	pyruvate kinase	2,527673595	0,622085497	On

1064	VTPSPPLGP	casein kinase II	0,91162353	0,08702448	
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	1,242219814	0,363331691	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,908207046	0,365680803	
1067	PSPKYPGPQ	Chromogranin A	0,745286371	0,231254342	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,738310542	0,087497266	
1069	TLSDSDDDED	N-myc proto-oncogene protein	1,44171557	0,250886018	
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,713331908	0,176692108	
1071	PTKRSPQKG	Histone H2B.1	0,773396424	0,137772256	
1072	KIQASFRGH	neurogranin	3,20281029	0,51897919	On
1073	KRSNSVDTS	Glycogen [starch] synthase	1,266506961	0,362316917	
1074	KRKQISGRGL	Glycogen phosphorylase	1,145066836	0,377472003	
1075	SQESSEEEQ	high mobility group protein	0,923640681	0,224775323	
1076	KKDVTVPKA	Histone H1	2,000885681	0,561579019	
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	1,644955793	0,437039231	
1078	LYSGSEGDS	Serum response factor	1,217316958	0,374944909	
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,695566493	0,352015769	
1080	MPGETPPLS	Transcription factor AP-3	0,793443947	0,245898049	
1081	EETVYEAEP	Hematopoietic cell-specific LYN substrate	2,510762868	1,72052535	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,933117689	0,277936694	
1083	INETSQHHD	vimentin	0,613203429	0,111811694	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,669727139	0,103189414	
1085	PYKFPSSPLRIPGZ		0,569605096	0,084898525	
1086	GRNASTNDS	Beta-2 adrenergic receptor	0,595284536	0,030341818	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	1,144323971	0,188077043	
1088	DLTSPDVG	Transcription factor AP-4	0,911999943	0,129740887	
1089	GAGNSLRTA	Lamin C	1,001494359	0,151678629	
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	0,7634596	0,123012405	
1091	EEHVYSFPN	Paxillin	0,742440683	0,055128384	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	0,871891036	0,172655423	
1093	RRRRAASVA	pyruvate kinase	3,585567358	1,709536948	
1094	SIRDTPAKN	Nucleophosmin	0,733130198	0,079772765	
1095	GGYSLG	Lysozyme C	0,86850494	0,122215863	
1096	AAASFKAKK		1,8551208	0,25848721	On
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	1,07090494	0,389406721	
1098	DKEVSDDEA	HSP90-alpha	1,055432018	0,347042035	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	2,610126432	0,569491205	On
1100	RFFGSDRGA	Myelin basic protein	1,192766993	0,141724839	
1101	PRTPGGRR	Myelin basic protein	1,221755498	0,44489575	
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	1,397206125	0,510729643	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	1,519974418	0,325390091	
1104	SGDTPRHL	Microtubule-associated protein tau	0,824955902	0,139810709	
1105	KQITVR	Glycogen phosphorylase	1,764638632	0,362536341	
1106	SSKRA	Myosin regulatory light chain 2	2,164636838	0,340635852	On
1107	SVSSSSYRR	vimentin	3,611718666	0,256231988	On
1108	TRQASISGP	synapsins	1,010687679	0,244695301	
1109	VRTYTHEVV	Cell division protein kinase 2	0,876783417	0,1072308	
1110	REILSRRPS	cAMP response element binding protein	2,627528724	0,657419911	On
1111	GASGSFKL	Histone H1.1	0,948394743	0,166485794	
1112	VRRSDRA	Troponin I	1,250461271	0,299619837	
1113	VTRRTLSDM	6-phosphofructokinase	1,273714163	0,182231596	
1114	SRRGSESE	phosphoprotein phosphatase 1, 3a	1,202590059	0,161118518	
1115	PASAYGSVK	Annexin II	0,958772044	0,20242825	
1116	PWQVSLRTR	Plasminogen	1,065399688	0,338040832	
1117	STSRSLYSS	vimentin	2,070693933	0,699930971	
1118	TRGGSLERS	alpha-1B adrenergic receptor	0,982697356	0,242855913	
1119	PFKLSGLSF	MARCKS-related protein	0,788606488	0,139715243	

1120	QEQEYVQAV	Annexin I	0,912736668	0,213897171	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	5,803689526	1,530529151	On
1122	KYLASASTM	Myelin basic protein	1,403338355	0,180333155	
1123	PRRVSRRRR	Protamine YII	1,242330569	0,371292692	
1124	SRKRSGEAT	6-phosphofructokinase	0,933275334	0,180687371	
1125	KMKDSDSEE	Calmodulin	0,813636388	0,090381883	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,710074007	0,140370238	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	0,850609755	0,093516635	
1128	ISITSRKAQ	GTP-binding protein era	0,958823045	0,222238775	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	0,816734355	0,24714066	
1130	EHIPYTHMN	Insulin Receptor (IR)	1,080894741	0,239788182	
1131	ESMESYELN	Matrix Gla-protein	2,373830406	0,269921103	On
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	5,544407459	0,482610468	On
1133	NKQGYKARQ	Protein kinase C delta	1,676784657	0,315979017	
1134	PYKFPSSPLRIPGZ		0,913247716	0,176078125	
1135	GSQTSSRPS	vimentin	0,919212654	0,179201589	
1136	AVMVSHYIH	Prolactin	1,677499089	0,459122727	
1137	DPPGTESFV	Beta-2 adrenergic receptor	1,592483982	0,272570938	
1138	GFKRSYEEH	Insulin Receptor (IR)	1,256370038	0,206873937	
1139	GSRRRRRRY	protamine	3,744794608	1,406673978	
1140	EFPLSPPKK	stathmin	1,242478022	0,156617147	
1141	ESEKTKTKE	myosin II heavy chain	1,010563222	0,193442317	
1142	RSSMSGLHL	acetyl-CoA carboxylase	1,040199467	0,017123412	On
1143	SLVNSRAQE	Cystatin S	0,889900678	0,186947169	
1144	RRATVA	pyruvate kinase	1,906171582	0,222144249	On
1145	ADSFSLHDA	galectin-3	1,185493121	0,096233544	
1146	ATRRSYVSS	glial fibrillary acidic protein	2,058413871	0,598350218	
1147	DNIDSQGRN	Beta-2 adrenergic receptor	1,25040986	0,398634384	
1148	GDSSEGEIE	Serum response factor	1,269778682	0,264796064	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	1,798505153	0,171753003	On
1150	AKRSRKE	Histone H2B	1,54454976	0,334264572	
1151	LRRATLG	pyruvate kinase	1,855318736	0,20644686	On
1152	RRSSVGYI	Acetylcholine receptor protein delta	2,131874478	0,219853918	On
1153	SKVTSKAGS		1,471957345	0,110950675	On
1154	RGYSLG	Lysozyme C	1,492922762	0,088464094	On
1155	AARTPGGRR	Myelin basic protein	2,837757861	0,962417156	
1156	TEPQYQGE	Proto-oncogene tyrosine-protein kinase Fyn	1,105529039	0,136176226	
1157	TTRRSASKT	Fibrinogen alpha	2,063899256	0,058783502	On
1158	WLTKTPEGN	Actin and myosin binding protein	0,972944683	0,087331365	
1159	RGRSSVYSA	myosin heavy chain	2,265218048	1,732208592	
1160	RKRTLRRRL	EGF Receptor	2,961119369	0,524300455	On
1161	LRHASLG	pyruvate kinase	1,115523393	0,201339427	
1162	YNGYSSNS	Beta-2 adrenergic receptor	1,19149433	0,073981799	On
1163	SRTPSLPTP	Microtubule-associated protein tau	0,882042303	0,109215265	
1164	PKKGSKKAV	Histone H2B	1,051896869	0,186974668	
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	1,268697405	0,197412623	
1166	TDDGYMPMS	Insulin receptor substrate 10	1,145849921	0,31682069	
1167	TRRLTGFLP	Glycogen phosphorylase	1,526752728	0,355981221	
1168	PPEKTEEEE	somatostatin receptor type 5	1,272064302	0,24985767	
1169	RTGRSGSV	phosphorylase b kinase beta	2,477373112	0,457876922	On
1170	KQSPSSSPT	phosphorylcholine transferase	1,007362028	0,204046428	
1171	LLRPSRRVR	somatostatin receptor type 6	3,444817483	1,197428536	
1172	QMALTPVVV	cell division protein kinase 4	0,999429095	0,143783977	
1173	SRSRSPGRP	Lamin B receptor	2,865055932	0,745259403	On
1174	KRKRSRKES	Histone H2B	4,437627203	0,415431899	On
1175	LQAISPKQS	phosphorylcholine transferase	1,359097082	0,072777462	On

1176	QRRRSLEPP	Proto-oncogene tyrosine-protein kinase Src	1,001442111	0,18869125	
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Suppl. Table 5. Average densitometry values for all substrates on the arrays for myeloid cells and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYVDP	platelet-derived growth factor receptor	1,086394832	0,199844328	
2	KRPSVRAKA	Myelin basic protein	2,528348233	1,003732966	
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	1,219013529	0,180309565	
4	ENKLYGMDS	Probable receptor with tyrosine-protein kinase activity	0,695675431	0,109131835	
5	HRLLTLDPV	Interleukin-1 receptor	0,673995231	0,130854605	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,66436318	0,054876933	
7	PYKFPSSPLRIPGZ		0,657043556	0,119989606	
8	GKRQTEREK	Troponin T	0,818980866	0,172026044	
9	APATSPKAE	neuromodulin (GAP43)	0,784827761	0,129492239	
10	DEESEQGA	tubulin	1,057643857	0,045224821	
11	FFRRSKIIV	glutamate receptor 2	1,114088387	0,09395775	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,815493723	0,043953101	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,801505514	0,121076407	
14	ELILSPRSK	stathmin	1,023838444	0,236509162	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,566194274	0,102226535	
16	SEDNSEDEI	acetyl-CoA carboxylase	1,381028611	0,267816574	
17	PASLSRAKA	phosphorylcholine transferase	1,045761678	0,170135004	
18	RRASL	pyruvate kinase	2,076785803	0,40385131	
19	AKKMSTYNV	myosin heavy chain	1,307877509	0,371260144	
20	DDINSYEA	Coagulation factor IX	1,566628907	0,263490925	
21	ETRFTDTRK	elongation factor 2	1,06979344	0,286791979	
22	QLSTSEENS	Alpha-S2 casein	0,64714865	0,10315831	
23	SPRKSPKKS	Histone H1	1,451743258	0,458018049	
24	RRKASGP	Histone H1.1	1,184704153	0,387236542	
25	RQLRSPRRT	ras-related protein Rab-4A	2,15993043	1,004245548	
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,857147488	0,102622163	
27	RTPPPSG	Myelin basic protein	0,797085089	0,049642052	
28	LRRAS	Red cell/liver pyruvate kinase	1,308003775	0,419169496	
29	SSTGSIDMV	Microtubule-associated protein tau	0,802814952	0,18655223	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	2,716088555	0,929424782	
31	VGAFSTVKG	rhodopsin kinase	1,046001866	0,211283656	
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,694566046	0,079603513	
33	SPGEYVNI	Insulin receptor substrate 1	1,001298821	0,189941264	
34	RKRSAKE	Histone H2B	1,362260256	0,462402801	
35	VINETSQHH	vimentin	0,722758014	0,005807274	
36	SPVVSQDTS	Microtubule-associated protein tau	0,71482191	0,117083986	
37	LRRFSLATM	Cytochrome P450 2B1	2,193542045	0,508134007	On
38	PRPASVPPS	Glycogen [starch] synthase	0,870159144	0,08437671	
39	SSRPSSNRS	vimentin	1,579275745	0,633516823	
40	TKFASDDEH	Lupus La protein	0,784897379	0,098692465	
41	LSDDSFIED	DNA topoisomerase II	1,645368371	0,331759467	
42	PSPKTPPGS	Microtubule-associated protein tau	0,834384725	0,089901913	
43	KDIGSESTE	Alpha-S1 casein	1,069782836	0,357532516	
44	KRRGSVPIL	erythrocyte protein 4.2	2,300693507	0,650758191	
45	KRAKAKAKKR	Myosin regulatory light chain 2	3,206296215	1,380184519	
46	QSYSSQRV	Desmin	0,886591118	0,04102607	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	1,095954746	0,215445351	
48	KRSLSEMEI	Serum response factor	0,867052102	0,126696356	
49	KRKQGSVRGL	Glycogen phosphorylase	2,482705484	0,617884883	On
50	HTRDSEAQR	erythrocyte band 7	0,716662154	0,100088414	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,807678127	0,04008105	
52	EEGISQESS	high mobility group protein	0,694875533	0,278064346	
53	EQQQTEDEL	Beta casein	0,70022942	0,273895933	
54	IGEGTYGVV	Cell division protein kinase 2	0,780324312	0,338406002	
55	MMPYVVVTR	Stress-activated protein kinase JNK1	1,018105953	0,123876152	

56	PYKFPSSPLRIPGZ		0,622069815	0,191281998	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,92205071	0,089248482	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,7667786	0,075313842	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	1,145792934	0,173806044	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,748112025	0,250796538	
61	GRLSSMAMI	myosin light chain kinase	1,142786819	0,300002264	
62	EEDLSDENI	transcription factor BAF1	0,869829772	0,300265395	
63	EPGPYAQPS	Proto-oncogene C-crk	0,697599561	0,164604037	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	1,070292213	0,227571862	
65	SGADYPDEL	Trypsin I	1,509982983	0,460848191	
66	KQISVR	Glycogen phosphorylase	1,792250598	0,731550461	
67	SLKDH	L-lactate dehydrogenase M	0,647198314	0,173821415	
68	APRTAGGRR	Myelin basic protein	1,914444986	1,01641643	
69	DGHEYIYVD	platelet-derived growth factor receptor	1,145686783	0,19722827	
70	FKRSYEEHI	Insulin Receptor (IR)	0,750717525	0,104956316	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	1,460470378	0,41773525	
72	DRVYVHPF	Angiotensinogen	0,846239395	0,024241026	
73	VRRSDAA	Troponin I	0,878541213	0,099985496	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	1,320553521	0,539327269	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,78478514	0,220085943	
76	PRRASATSS	Glycogen [starch] synthase	1,184027754	0,235360725	
77	RRLSI	phosphorylase b kinase alpha	2,455805281	0,79920927	
78	STLSLSPFYL	Alpha crystallin B	0,994467718	0,128673811	
79	TRDIYETDY	Insulin Receptor (IR)	2,039447624	0,715910005	
80	VPTLSTFRT	Desmin	1,206229871	0,176020373	
81	RASTSKSES	40S ribosomal protein S6	0,739585538	0,061841757	
82	SPSSSPTHE	phosphorylcholine transferase	0,634526526	0,259047416	
83	STNDSL	Beta-2 adrenergic receptor	1,108638253	0,269214667	
84	VRTFTHEVV	Cell division protein kinase 2	1,024865305	0,067396161	
85	SRKMSVQEY	phosducin	0,960557928	0,170116176	
86	LSGLSFKRN	MARCKS-related protein	1,463822792	0,118238703	On
87	PTGTPQQRK	Kinesin-related motor protein Eg5	0,857251483	0,048457054	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	2,200056806	0,947107719	
89	TPPKSPSSA	Microtubule-associated protein tau	0,639303789	0,172938866	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,69807088	0,195063567	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,683267714	0,146915236	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,834967308	0,097009062	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	1,348076418	0,35689336	
94	LSVSSLPGL	Glycogen [starch] synthase	0,87274575	0,115065074	
95	SRHSSPHQS	Glycogen [starch] synthase	0,994575728	0,116329972	
96	KKPPTPPPE	Large T antigen	0,779905341	0,182620957	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,393881269	0,471547976	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,919722307	0,218073417	
99	ILDTTGQEE	K-Ras	1,198065375	0,068189497	On
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,95866844	0,066061247	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,636335169	0,308525633	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,801257893	0,123600159	
103	IRRASTIEM	Cardiac phospholamban	1,076979342	0,307796902	
104	NFDDYMKSL	Fatty acid-binding protein	0,846053515	0,332004344	
105	PYKFPSSPLRIPGZ		0,795682704	0,306302404	
106	GRTGRRNSI		3,866158737	1,32444248	On
107	ATPIYLDIL	TrkC tyrosine kinase	1,176062623	0,272105549	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,856916204	0,131115983	
109	GDRFTDEEV	Myosin regulatory light chain 2	2,076789933	0,432505489	On
110	GSGSSVTSR	Desmin	1,139024653	0,100676883	
111	EEPQYEEIP	Middle T antigen	2,24162131	0,548818734	On

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	1,316768124	0,100993592	On
113	RRSSSRPIR	Protamine YI	2,594380609	0,88504604	
114	SKIGSTENL	Microtubule-associated protein tau	0,707216815	0,160223541	
115	NDMTSL	Tropomyosin 1 alpha	0,718310532	0,208245608	
116	AARLSLTDP	platelet glycoprotein IB	0,662180785	0,220463219	
117	ARRSTTDAG	Choriogonadotropin beta	0,785631554	0,118272794	
118	DLKDTKYKL	myosin II heavy chain	0,773195811	0,128274493	
119	GAFSTVKGV	rhodopsin kinase	1,265497391	0,166442333	
120	RGRASSHSS	Lamin A/C	1,631392798	0,535532034	
121	RKRSRAEF	Histone H2B	1,353537896	0,336181013	
122	LRAASLG	Red cell/liver pyruvate kinase	1,24471986	0,139762267	
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	1,91340441	0,326557106	On
124	SIDEYFSEQ	Interferon receptor	1,453853772	0,192695078	
125	EESESD	synaptic vesicle amine transporter	1,503535585	0,450537573	
126	RRRS	Troponin I	2,368733379	0,828655882	
127	TAYGTRRHL	calponin alpha and beta	3,019405184	1,690837522	
128	TRRISQTSQ	ryanodine receptor	1,816165209	0,568079643	
129	VTPRTPPPS	Myelin basic protein	0,720570057	0,207148323	
130	REVSSLKSK	myosin heavy chain	1,351658519	0,250732757	
131	PEETQTQD	HSP90-alpha	1,048188269	0,30658789	
132	KKQISVR	Glycogen phosphorylase	1,862161205	0,447964395	
133	WLTKSPDGN	caldesmon	0,889173869	0,040073714	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	3,10432542	1,025688957	
135	PETVYEVAG	Cortactin	2,515606173	0,522977372	On
136	QEPGSGPPE	somatostatin receptor type 3	0,698696703	0,120094618	
137	SVSSSPIKE	transcriptional factor SWI5	0,722829669	0,131017305	
138	TRLHSLRER	Sucrose synthase 1	2,964851846	0,678840571	On
139	PKEVYDVML	TrkC tyrosine kinase	1,151193949	0,056235267	
140	PRTPGGRR	Myelin basic protein	2,387920746	0,886400824	
141	KLSPSPSSR	Lamin B1	1,453161844	0,332062503	
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	1,620723448	0,469307663	
143	QASSTPLSP	Lamin A/C	0,83208552	0,162566096	
144	SRRDSLFP	Sodium channel protein type II alpha	1,531395695	0,157584759	On
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	1,194765527	0,099970427	
146	LLQDSVDFS	vimentin	1,356655169	0,245081652	
147	QLSTSEENS	Alpha-S2 casein	0,818591328	0,155687361	
148	KIQASFRGH	neurogranin	3,131990766	0,800618388	On
149	NKGASQAGM	calponin alpha and beta	0,944236871	0,065265725	
150	EIVESLSSS	Beta casein	0,644476411	0,14211488	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,628350294	0,020421962	
152	KRPSKRAKA	Myelin basic protein	1,55792903	0,520011207	
153	NRAITARRQ	Troponin I	1,386050447	0,409010466	
154	PYKFPSSPLRIPGZ		0,578364665	0,095039013	
155	GSRPSESNG	Lens fiber major intrinsic protein	0,9293129	0,086519401	
156	DAHKSKRQH	transcription factor BAF1	1,208124689	0,482594452	
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	1,9718788	0,61083897	
158	GGRDSRSGS	Myelin basic protein	0,751390379	0,115704063	
159	GVERSVRPT	phosphorylase b kinase alpha	0,916769437	0,215252026	
160	EGVKSDQAE	neurofilament triplet M	0,59601714	0,074367589	
161	ESLSSSEES	Beta casein	0,796138853	0,038916504	
162	RVRMSADAM	Troponin I	0,758995135	0,101396949	
163	SNPTYSVMR	Middle T antigen	1,937152669	0,461385506	
164	SSKRAK	Myosin regulatory light chain 2	1,535722676	0,510499256	
165	AGDGSDEEV	myosin heavy chain	1,215767187	0,199399016	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,739124299	0,081211133	
167	DPLLTFRFP	Lamin A/C	0,755760815	0,057338579	

168	GENIYIRHS	erythrocyte protein 4.1	1,030579464	0,349796034	
169	RLSPSPTSQ	Lamin C	0,798931943	0,118322871	
170	RKESYSV	Histone H2B	0,93589096	0,069857972	
171	PLSRTL	Glycogen [starch] synthase	0,720093391	0,145675269	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	0,93063883	0,170208452	
173	SLSSSEESI	Beta casein	1,457204066	0,026619795	On
174	LRRASLAG	Red cell/liver pyruvate kinase	1,899067907	0,3170916	On
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	1,865137654	0,858415279	
176	THERSPSPS	phosphorylcholine transferase	0,776378557	0,090481427	
177	TVTRSYSRV	Lamin A/C	3,052568583	1,071521087	
178	YETDYRKG	Insulin Receptor (IR)	1,391990732	0,365564293	
179	RKQISVRGL	Glycogen phosphorylase	1,797971371	0,149402963	On
180	AGTTYAL	myosin heavy chain IA (fragment)	0,852305357	0,084619897	
181	LRRASVA	pyruvate kinase	1,646937086	0,269674409	On
182	YRGYSLGNW	Lysozyme C	0,709238962	0,020364851	
183	SSLKSRKRA	spermatid nuclear transition protein 1	2,39620579	0,878723898	
184	PMRRSVSEA	hormone sensitive lipase	0,913435424	0,043120038	
185	RSKRSGSV	phosphorylase b kinase beta	3,25359956	1,07830386	
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,919284129	0,104802769	
187	TTPLSPTRL	Lamin B2	1,272557542	0,227534337	
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,929410809	0,133894632	
189	VKRGISGL	Histone H4	1,337016751	0,199850441	
190	KRKQISVRG	Glycogen phosphorylase	2,469558554	0,853241157	
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	0,957016796	0,22384318	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	1,111264786	0,161507968	
193	SRTLVSSSL	Glycogen [starch] synthase	1,02543266	0,029139323	
194	KRPSERAKA	Myelin basic protein	2,094147076	0,494339597	
195	LRGRSFMNN	6-phosphofructokinase	1,699860045	0,222393338	On
196	QRVSSYRRT	Desmin	3,644176137	1,23234721	On
197	HDLSEMFN	Prolactin	0,771639792	0,131007396	
198	KRPSRAKA	Myelin basic protein	2,979253189	1,212760218	
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	2,994776722	1,360934172	
200	ENAPSSTSS	DNA topoisomerase II	0,843562334	0,122828403	
201	HMRSSMSGL	acetyl-CoA carboxylase	1,155535085	0,373389326	
202	LDRSSHAQR	Insulin Receptor (IR)	0,857620131	0,049995871	
203	PYKFPSSPLRIPGZ		0,758542243	0,125560267	
204	GKEIYNTIR	Ras p21 activator protein	0,812886082	0,082773908	
205	APATPGGRR	Myelin basic protein	1,665682614	0,377753883	
206	DEEESEEA	elongation factor 1-beta	1,221587046	0,167231973	
207	FFKKSIST	glutamate receptor 6	1,748421948	0,512294695	
208	GMGTSVERA	pyruvate dehydrogenase E1	0,897975936	0,123309647	
209	DYDSSDIED	cactus	3,819487856	1,015660555	On
210	EKRASQAF	stathmin	0,966608465	0,109871235	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,686890281	0,157129298	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,789943301	0,056434872	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	1,042034188	0,154925172	
214	RRASI	pyruvate kinase	2,776709172	0,875712026	
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,774314763	0,089188425	
216	DDMTGYVA	Mitogen-activated protein kinase p38	1,174675107	0,161158775	
217	ETDYRKG	Insulin Receptor (IR)	0,875123228	0,095801158	
218	YVTTSTRTY	vimentin	0,962546272	0,138322066	
219	SPQPSTRGS	protein phosphatase 1	1,854327481	0,494547537	
220	RRAASVA	pyruvate kinase	1,532815607	0,292016775	
221	RPSENGQP	Lens fiber major intrinsic protein	0,716251165	0,126180189	
222	SASTPVKK	Histone H1	1,092416109	0,141592247	
223	NSYGSRGN	iron-responsive element binding protein	2,453554101	0,679687492	

224	LRRASL	pyruvate kinase	1,706997431	0,214660693	On
225	SSTDSADSG	Early E1A	0,671954922	0,082677027	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	1,071550726	0,235031497	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,923509069	0,195583283	
228	YSFTTTAER	Actin	0,818614638	0,069430437	
229	SPFKYQSL	Beta-2 adrenergic receptor	0,740392748	0,050342687	
230	RKRSAAE	Histone H2B	1,109054356	0,205537859	
231	VIKRSPRKR	transcriptional factor SWI6	2,322478435	0,972179389	
232	SPVKSPEAK	neurofilament triplet M	0,758153353	0,086396855	
233	LRRASVAQL	pyruvate kinase	2,704369841	0,746399148	On
234	PRMPSLSVP	Sodium channel protein	0,771205577	0,002993074	
235	SSPVYQDAV	Cortactin	1,062546342	0,135532904	
236	TKDLYDALH	T-cell surface glycoprotein CD3 zeta	0,830465523	0,089338585	
237	LRSPSWEPF	Heat Shock Protein 26	1,041937778	0,043142329	
238	PSLPTPPTR	Microtubule-associated protein tau	1,194106582	0,168727632	
239	KASASPRRK	Histone H3	2,505736742	0,914275637	
240	KRRDYDLDA	Probable receptor with tyrosine-protein kinase activity	0,872935344	0,117100744	
241	PAPAVRASDRA	Troponin I	0,681418575	0,124000427	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,706912413	0,08679382	
243	KGQESFKKQ	Nucleophosmin	1,642482536	0,3402289	
244	KRSGSVYEP	phosphorylase b kinase beta	2,663169664	0,64006002	On
245	KRAQISVRGL	Glycogen phosphorylase	2,259153693	0,662187428	
246	HSSQSQGGG	Lamin C	0,743711039	0,038229996	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	1,871005354	0,470640398	
248	EEESSYSYE	RNA polymerase alpha	4,461684308	1,568714334	On
249	EQPGSDDDED	Ornithine decarboxylase	1,719554027	0,422161365	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,908331878	0,069180156	
251	MLDHSESTK	myelin	0,766434145	0,133734933	
252	PYKFPSSPLRIPGZ		0,771281474	0,035431075	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	1,675406591	0,485580439	
254	AQDTYLVLD	Erythropoietin Receptor	1,158603104	0,227473913	
255	DIPESQMEE	Band 3 anion transport protein	1,118570105	0,195218162	
256	FPRASFGSR	Desmin	2,743115447	0,605199243	On
257	GRKASGSSP	myosin light chain kinase	1,165362246	0,21022655	
258	EDVGSDEEE	HSP90-alpha	2,011330317	0,506491415	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	1,095073639	0,117964968	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	1,148091903	0,229299833	
261	SFTTTAERE	Actin	0,812050715	0,021355527	
262	PLSRTL	glycogen synthase	0,933729706	0,063351703	
263	SGRGK	Histone H4	1,349366429	0,352442122	
264	APRSPGGRR	Myelin basic protein	2,332018659	0,870428345	
265	DGERYDEDE	Glycogen [starch] synthase	1,690033111	0,646333286	
266	FKRPTLRRV	troponin I	2,950430971	1,119434746	
267	REAEYEPET	Cortactin	1,456008692	0,394341033	
268	DRVYIHPF	Angiotensinogen	1,017209592	0,059621223	
269	VRRISGL	Histone H4	1,862559331	0,545139598	
270	RRKGTDVNV	Annexin I	1,223801572	0,307038553	
271	SETKTEEEE	DNA topoisomerase II	1,072219479	0,132141236	
272	PQRATSNVF	Myosin regulatory light chain 2	1,156334333	0,237339341	
273	RRGSV	pyruvate kinase or palladin	2,804130613	0,745052464	On
274	STSKSESSQ	40S ribosomal protein S6	0,841183293	0,098730275	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	1,759654489	0,569938062	
276	VPRTPGGRR	Myelin basic protein	2,672729026	0,916794584	
277	RASSRSVR	Lamin B0	4,052064575	1,326852613	On
278	SPSSPASL	phosphorylcholine transferase	0,837181773	0,040852586	
279	RVYVHPF		1,5840195	0,496368335	

280	VRRVSDDDR	Tyrosine 3-monooxygenase	0,844436678	0,170434677	
281	SRKMSIQEY	phosducin	1,013539612	0,054764739	
282	LSGFSEKKS	myristolated alanine-rich C-kinase substrate	1,661250612	0,416232781	
283	PSSTSSSSI	DNA topoisomerase II	0,886660552	0,01589953	
284	STGIYEALE	Alpha enolase	2,073477817	0,175368141	On
285	TPPKSPSAS	Microtubule-associated protein tau	0,89519045	0,079595014	
286	LYSSSPGGA	vimentin	0,807865605	0,056494784	
287	PVPKSPVEE	neurofilament triplet M	0,749104839	0,115444597	
288	KKASFKAKK		2,620196699	1,025478292	
289	KSPAATPVK	Actin and myosin binding protein	1,596357379	0,453138815	
290	PLSKTSLVSS	Glycogen [starch] synthase	0,900878824	0,053132906	
291	SRGKSSSYS	Fibrinogen alpha	1,739263948	0,469418644	
292	KKLGSKKPQ	Sodium channel protein type II alpha	2,030331662	0,761348437	
293	KTASTRKV	cystic fibrosis transmembrane conductance regulator	3,098306336	0,987506994	On
294	PRRRTRRAS	Protamine YII	1,179909603	0,24375431	
295	IHQRSRRL	Neutrophil cytosol factor 2	1,693701229	0,516420418	
296	NDALSGSGN	galectin-3	0,692222897	0,170924651	
297	EETQTQDQP	HSP90-alpha	0,692073681	0,092179424	
298	ERSQSRKDS	alpha-1B adrenergic receptor	1,000081874	0,114220445	
299	IRQASQAGP	synapsins	0,764642068	0,127882845	
300	NFDDYMKEV	Fatty acid-binding protein	1,353897469	0,302539137	
301	PYKFPSSPLRIPGZ		0,846573583	0,116509087	
302	GRRQSLIQD	tyrosine 3-monooxygenase	1,308351625	0,211535811	
303	ASFEYTILD	Erythropoietin Receptor	2,048174833	0,389892461	On
304	DLSTYASIN	Insulin receptor substrate 2	1,104253426	0,113438517	
305	GDNDYIPL	platelet-derived growth factor receptor	1,753456402	0,363250364	
306	GSESTEDQA	Alpha-S1 casein	0,803608444	0,062876628	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,88267041	0,112283047	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	1,189872467	0,11967137	
309	RRRSRSRS	Lamin B receptor	3,545308717	1,085908651	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,848978353	0,124275963	
311	NDITSL	Tropomyosin beta	1,087452415	0,212935294	
312	AARGSFIDAS	rhodopsin kinase	0,755146056	0,139390171	
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,707515181	0,100841923	
314	DLFGSDEED	elongation factor 1-beta	1,90042098	0,389078563	On
315	FSSRSYTSG	Keratin 8	1,717804688	0,295678325	On
316	RGKSSYSK	Fibrinogen alpha	1,860194197	0,51782915	
317	RKRSRAEA	Histone H2B	1,202551764	0,410722749	
318	LKRASLG	pyruvate kinase	0,957927317	0,184959839	
319	RRRPTPATL	Protein phosphatase inhibitor 1	1,675052112	0,419805792	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	1,021328053	0,06504369	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	1,952603648	0,310581777	On
322	RRRRASVA	pyruvate kinase	3,543137714	1,300837139	
323	TATDYHTTS	Band 3 anion transport protein	0,911540157	0,139890659	
324	TRRASRPVR	Protamine YII	2,420249827	1,108577673	
325	VSSSYRRM	vimentin	2,925643409	0,790289352	On
326	REVSSLKKNK	myosin heavy chain	1,428812883	0,230910712	
327	LSYRRYSL		2,703280571	0,556062558	On
328	KKKASVA	pyruvate kinase	1,182152242	0,138807354	
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	1,835737217	0,753914663	
330	SRRQSVLVK	glutamate receptor 6	2,275464212	0,447700072	On
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	3,039399034	1,403268441	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	1,331881287	0,288001223	
333	SVPPSPSLS	Glycogen [starch] synthase	0,719182181	0,163089117	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	1,102742208	0,094427014	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	1,511856684	0,327487237	

336	KRKQISVR	Glycogen phosphorylase	2,616659948	0,833815294	
337	KLRRSSSVG	Acetylcholine receptor protein delta	3,394198211	0,83514004	On
338	LDPLSEPED	Thyroid hormone receptor alpha	1,704575497	0,30849042	
339	QAGMTAPGT	calponin alpha and beta	0,794530638	0,197554031	
340	SRRASRPVR	Protamine Z	1,703030779	0,207829632	On
341	KPGFSPQPS		1,02432395	0,0674601	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	1,391147235	0,138643036	On
343	QLNDSSEEE	E7 protein	1,661552125	0,233018606	On
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	1,024441581	0,084770922	
345	NIYISPLKS	Retinoblastoma-associated protein	1,202503535	0,162891169	
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	0,660393924	0,165369018	
347	ESRISLPLP	vimentin	0,612942477	0,149668838	
348	KRPSIRAKA	Myelin basic protein	2,806763485	0,724960958	On
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,181446835	0,143669632	
350	PYKFPSSPLRIPGZ		0,588595718	0,189535956	
351	GSRGSGSSV	Desmin	0,906789703	0,158751399	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,705308778	0,088253819	
353	DRRVSVAEE	cAMP-dependent protein kinase II (PKA)	0,598557769	0,138325347	
354	GGRASDYKS	Myelin basic protein	0,92263847	0,06628234	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,874509013	0,066589254	
356	EGTHSTKRG	Fibrinogen alpha	1,068578042	0,084735489	
357	ESLESYEIN	Matrix Gla-protein	1,260667695	0,111177471	
358	RVRKTKGKY	glutamate receptor 1	2,646697609	0,950460674	
359	SNPEYLSAS	Insulin Receptor (IR)	1,202295529	0,127224922	
360	RRSTVA	Protamines Z1 and Z2	1,537234654	0,132248646	On
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,609364934	0,162429877	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,767703577	0,051788744	
363	DPGVSYRTR	pyruvate dehydrogenase E1	1,363146002	0,214776529	
364	GEINTEDDD	calsequestrin	1,018185581	0,198503802	
365	RLSISTESQ	phosphorylase b kinase alpha	0,762680044	0,168492206	
366	RKEISVR	Glycogen phosphorylase	1,626598957	0,301736285	
367	PGSPQKR	Histone H2	0,707201031	0,105529443	
368	RSGYSSPGS	Microtubule-associated protein tau	0,86435293	0,056093942	
369	SLRASTSKS	40S ribosomal protein S6	1,954872682	0,207554213	On
370	VRKISGL	Histone H4	1,056368787	0,129901119	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	1,083285111	0,140959801	
372	TGFLTEYVA	myelin	1,355925621	0,171120634	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,712941627	0,184122813	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	1,366335338	0,152016307	
375	RKLSQGTR	spermatid nuclear transition protein 2	1,457595457	0,240864357	
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	1,22808431	0,271350483	
377	LRRASPG	pyruvate kinase	0,912062585	0,110666456	
378	YMAPYDNYV	platelet-derived growth factor receptor	1,429757982	0,236088204	
379	SSKAYGNGY	Beta-2 adrenergic receptor	1,052552946	0,038289507	
380	PLTPSGEAP	EGF Receptor	0,880182371	0,160307146	
381	RRRRPTPA	pyruvate kinase	4,071060148	1,331044427	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,90336646	0,08813439	
383	TSSSIFDI	DNA topoisomerase II	1,097610062	0,153826424	
384	PPSPSLSRH	Glycogen [starch] synthase	2,218152871	0,675350475	
385	SSKRAKAK	Myosin regulatory light chain 2	1,983107989	0,552740082	
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	1,753792076	0,236274688	On
387	LNRMSFASN	acetyl-CoA carboxylase	1,527444452	0,11079274	On
388	QRHGSKYLA	Myelin basic protein	0,964712763	0,104430708	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,90899736	0,159519525	
390	KRPSDRAKA	Myelin basic protein	1,816678645	0,258334841	On
391	LRGPSWDPF	Heat Shock Protein 27	0,939945688	0,144074582	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,697841998	0,044989301	
393	HDALSGSGN	galectin-3	0,666169059	0,033261249	
394	KRPSQRAKY	Myelin basic protein	1,672789146	0,89052519	
395	EDNEYTARE	Tyrosine-protein kinase Hck	1,448713449	0,721045811	
396	ENAFSPSRS	caldesmon	0,776557296	0,063298684	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,820247258	0,0880754	
398	LAYESHESM	Matrix Gla-protein	0,853999079	0,050292723	
399	PYKFPSSPLRIPGZ		0,901928731	0,034442006	
400	GHQGTVPSPD	Beta-2 adrenergic receptor	0,575893848	0,065185756	
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,618614617	0,080629449	
402	DEASTTVSK	Rhodopsin	0,653294446	0,065730646	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,839530554	0,016718025	
404	GLLRSWNDP	Prolactin	0,914187148	0,108504175	
405	DTVTSPQRA	Proto-oncogene tyrosine-protein kinase Src	2,68596648	1,550061983	
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,861677951	0,016537768	
407	RRASTIEMP	Cardiac phospholamban	0,994394673	0,104734093	
408	SDEESNDDS	calsequestrin	1,129564858	0,128447097	
409	NVFSSPGGT	Actin and myosin binding protein	0,72702803	0,009441185	
410	RRASF	pyruvate kinase	1,982236346	0,65880627	
411	AKGGTVKAA	annexin IV	1,017372891	0,128013255	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	1,29069669	0,142815784	
413	ETDDYAEII	Focal adhesion kinase	1,316462429	0,250873916	
414	YTTNPSKI	transcriptional factor SWI7	0,686347337	0,037718419	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,883127704	0,209879049	
416	RKRRTRKE	Histone H2B	1,371027521	0,56769068	
417	RPPGFTPFR		1,352057601	0,303881617	
418	SASGTPNKE	caldesmon	0,736710089	0,161358274	
419	NSVDTSSLS	Glycogen [starch] synthase	0,980739557	0,100114652	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	1,076719198	0,097922484	
421	SSSSPSRR	Lamin B receptor	1,411487014	0,623920619	
422	TKSASFLKG	nodulin-26	1,162363729	0,377810284	
423	VESLSSSEE	Beta casein	1,373066236	0,024375062	On
424	YRRNSVRFL	Neutrophil cytosol factor 3	2,203504794	0,51540932	On
425	SPALTGDEA	Insulin receptor substrate 4	0,917220562	0,110177203	
426	RKQITVR	Glycogen phosphorylase	1,796215304	0,674291482	
427	VHNRSKINL	HMG-CoA reductase	1,333556642	0,313133499	
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,765639099	0,016535041	
429	LRRASLGAF	pyruvate kinase	2,13232975	0,78440819	
430	PRKGSPRKG	Histone H2B.2	1,269052215	0,458483218	
431	SSPGSPGTP	Microtubule-associated protein tau	0,785067549	0,111947983	
432	TKAASEKKT	myelin	0,968562977	0,0834914	
433	LRRSSSVGY	Acetylcholine receptor protein delta	4,001641657	1,73793861	
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	1,090684381	0,141346838	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,728534947	0,059446966	
436	KRQSSTSNA	phosphorylase b kinase beta	1,259965256	0,33885437	
437	QKRPSQRSKYL	Myelin basic protein	2,379264113	1,057368843	
438	QSPSSSPH	phosphorylcholine transferase	0,923216078	0,115562083	
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	1,227571043	0,265147689	
440	KRRSSSYHV	Sodium channel protein type II alpha	3,839837835	1,848475748	
441	KAKQISVRGL	Glycogen phosphorylase	1,947625914	0,870322436	
442	HSIYSSDDD	Myb proto-oncogene protein	1,103504181	0,499654889	
443	LVMQTAAGT	myosin light chain kinase	1,315699648	0,316451808	
444	EEELYLEPL	Tyrosine-protein kinase receptor	2,225996644	0,263602644	On
445	EQLSTSEEN	Alpha-S2 casein	1,143076899	0,17074771	
446	IDMESQERI	Transcription factor AP-1	1,028964315	0,044448722	
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,917040193	0,117861252	

448	PYKFPSSPLRIPGZ		0,719041492	0,069532224	
449	GPAASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,652178398	0,125662384	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,761011702	0,069485846	
451	DHSRSTKAA	myelin	1,208503766	0,217417154	
452	FPFHSPSRL	Alpha crystallin B	1,997500277	0,260795677	On
453	GRILTLPRS	Insulin Receptor (IR)	1,820363202	0,347178674	On
454	EDVGSDEED	Heat Shock Protein 90-beta	1,750877535	0,130064007	On
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,826102411	0,063149826	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	1,128276389	0,135761659	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,946264195	0,150298168	
458	PGTESFVNA	Beta-2 adrenergic receptor	1,027371154	0,140184167	
459	SDEEV	Troponin T	1,233503307	0,110665829	
460	APQTPGGRR	Myelin basic protein	1,663343985	0,369508737	
461	DFPLSPPKK	stathmin	1,068917389	0,042914961	
462	FKAFSPKGS	Actin and myosin binding protein	1,494252385	0,354594888	
463	RDSNYISKG	platelet-derived growth factor receptor	1,081133724	0,143629973	
464	DDEESESD	synaptic vesicle amine transporter	2,776665969	0,191148294	On
465	VKRISGL	Histone H4	1,43108043	0,12771296	On
466	RRKDYPALH		1,155230523	0,099278384	
467	SEKKSGLG	myelin	0,904274475	0,098133903	
468	PPSAYGSVK	Annexin II	1,613236844	0,189599872	On
469	RRFSV	pyruvate kinase	2,572389107	0,484243348	On
470	STRRSVGRS	multidrug resistance protein 1	3,846999414	1,278582135	On
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	2,885946041	1,199603404	
472	VNELSKDIG	Alpha-S1 casein	0,821559454	0,099831873	
473	RAGETRFTD	elongation factor 3	0,832854482	0,118248618	
474	SPSPSFRWP	phosphorylcholine transferase	1,143934922	0,202674664	
475	RVSGSRR	Lamin C	3,829770846	1,189430328	On
476	VRLRSSVPG	vimentin	1,920422811	0,378172851	On
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	1,08559797	0,086234691	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,632434338	0,284301131	
479	PSRRSRRS	Lamin B receptor	1,132610344	0,054154406	
480	STDYYREGP	TrkC tyrosine kinase	2,233308329	0,491420084	On
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	1,733978566	0,401711749	
482	LVVASAGPT	RNA polymerase alpha	0,916307119	0,116548364	
483	PVPEYINQS	EGF Receptor	1,244967641	0,06617174	On
484	KKAESPVKE	neurofilament triplet M	1,100125065	0,110855444	
485	KSLNYIDLD	Insulin receptor substrate 5	1,658531797	0,183038925	On
486	KRKQISVRGL	Glycogen phosphorylase	2,093840516	0,558871876	
487	SRGDYMTMQ	Insulin receptor substrate 6	0,878716159	0,127570496	
488	KKKSGGEDD	eukaryotic translation initiation factor 4F	0,940353874	0,081251384	
489	KTSPSSSPA	phosphorylcholine transferase	0,931636243	0,137632984	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	1,211326637	0,015540667	On
491	IGSVSEDNS	acetyl-CoA carboxylase	1,800105005	0,822032809	
492	NAPVSALGE	Myb proto-oncogene protein	0,814157546	0,229482967	
493	EETPYSYPT	Paxillin	2,078987023	0,75805896	
494	ERSPSPSFR	phosphorylcholine transferase	1,944794528	0,656816618	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	2,129374195	1,077538882	
496	NEEESSYSY	RNA polymerase alpha	3,171296181	1,271308778	
497	PYKFPSSPLRIPGZ		1,055669722	0,121129868	
498	GRRQSLIED	Tyrosine 3-monooxygenase	1,443231222	0,081831165	On
499	ASATSSSGG	Glycogen [starch] synthase	0,846243067	0,11753345	
500	DLPMPSPRTL	Signal Transducer and Activator of Transcription 3	0,809690201	0,040336571	
501	GDLQSAEFH	Cystatin	0,986607229	0,152366649	
502	GSEEMYMMD	Insulin receptor substrate 3	0,937203724	0,160713917	
503	EENTYDEYE	Cortactin	1,41662419	0,082615941	On

504	ERRKSHEAE	stathmin	1,335916994	0,405629833	
505	RRRVTSATR	glial fibrillary acidic protein	2,425769891	1,298768391	
506	SKDSSKRGR	myelin	2,042750587	1,023818901	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,893140839	0,130894224	
508	AALESEDED	eukaryotic translation initiation factor 4F	1,567114121	0,392665787	
509	ARKSTRRSI	pleckstrin	2,495171198	0,898139398	
510	DLFGSDDEE	elongation factor 1-beta	1,85807007	0,443789311	
511	FRRLSISTE	phosphorylase b kinase alpha	1,220022858	0,153649953	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	1,264939603	0,216209841	
513	RKISASEF		0,997244348	0,170566708	
514	LHRASLG	pyruvate kinase	1,229631715	0,392013553	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,417547221	0,56757342	
516	SGYSSPGSP		0,828261588	0,176454529	
517	LGEFTP	Calgranulin B	0,888461689	0,129965409	
518	RRLSSLRA	40S ribosomal protein S6	3,361005711	0,737933472	On
519	TAESSQAE	Neuromodulin	1,111117806	0,202290093	
520	TRRASFSAQ	Regulatory protein ADR1	2,430323388	0,728993039	
521	VSRTSAVPT	Desmin	0,935975523	0,163604517	
522	REQLSTSEE	Alpha-S2 casein	0,993212467	0,183043916	
523	LSYRGYSL		0,967151273	0,154041971	
524	KASGSSP		0,818871104	0,105254124	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	1,733158963	0,436228931	
526	SRRPSYRKI	cAMP response element binding protein	2,010956463	0,592826874	
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	2,578264557	0,617900243	On
528	QEGDTDAGL		1,407520341	0,206453947	
529	SVFSSPAS	caldesmon	0,98259905	0,119797415	
530	TRKISQTAQ	ryanodine receptor	1,134939429	0,175861963	
531	PINGSPRTP	Retinoblastoma-associated protein	0,859976936	0,116108488	
532	KQISVRGL	Glycogen phosphorylase	1,838960378	0,656600601	
533	KLINSIADT	Serine/threonine-protein kinase STE7	1,026064249	0,152671087	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	2,439806872	0,658116189	On
535	PYDNYVPSA	platelet-derived growth factor receptor	1,719472751	0,454512831	
536	SRQLSSGVS	Heat Shock Protein 27	0,887365927	0,024343731	
537	KNIVTPRTP	Myelin basic protein	1,651393776	0,635779262	
538	LKLASPELE	Transcription factor AP-2	0,893516321	0,035127683	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,799834306	0,113114919	
540	IVYKSPVVS		1,086638498	0,164422905	
541	NGYISAAEL	Calmodulin	1,775345887	0,870729229	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,785196865	0,095130625	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,918095646	0,154119984	
544	KRPSHRAKA	Myelin basic protein	1,709454078	0,449495142	
545	NNYVYIDPT	Mast/stem cell growth factor receptor	1,320951971	0,123742382	
546	PYKFPSSPLRIPGZ		0,689987315	0,027203496	
547	GSPRTPRRG	Retinoblastoma-associated protein	2,605455258	0,576866601	On
548	DADEYLIPQ	EGF Receptor	1,892611382	0,21693184	On
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	1,480120771	0,120961609	On
550	GGLTSPGLS	Keratin 8	0,72149906	0,171803804	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,935054939	0,049642482	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,499885704	0,581304515	
553	ESIISQETY	Alpha-S2 casein	1,665649162	0,229051544	On
554	RVRKSKGKY	glutamate receptor 2	2,907834786	1,244790769	
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,846741891	0,195384936	
556	RRPTVA	Protein phosphatase inhibitor 2	1,693158466	0,089957661	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	2,018171284	0,239858349	On
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,781582978	0,068146991	
559	DPGTSYRTR	pyruvate dehydrogenase E1	1,12355605	0,146179614	

560	GEGTYGVVY	cell division control protein 2	1,339395246	0,319763283	
561	RLRLSPSPT	Lamin C	1,303022598	0,147237464	
562	RKASRKE	Histone H2B	1,60412045	0,246806837	On
563	LRRWSLG	pyruvate kinase	1,38500739	0,075815126	On
564	RRVTSATRR	glial fibrillary acidic protein	3,399330664	0,618883926	On
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,819096737	0,061389858	
566	RRATPA	pyruvate kinase	1,297565659	0,214714169	
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	1,200338464	0,201546744	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,825089446	0,230231862	
569	TVSKTETSQ	Rhodopsin	0,749166234	0,176523231	
570	WSDTQGDE	14-3-3 protein zeta	1,432896443	0,140530002	On
571	RKFSSARPE	Sodium channel protein	1,279755401	0,119892727	
572	KKKKASVA	pyruvate kinase	1,223655228	0,410442752	
573	LRRASLG	pyruvate kinase	2,356633176	0,483898676	On
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,509485238	0,31896533	
575	SSEITTKDL	Prothymosin	1,021594524	0,122472092	
576	PLSRTLVS	glycogen synthase	1,639054579	0,341803406	
577	LRRASLRG	pyruvate kinase	4,3974186	1,435839996	On
578	TEGQYELQP	Tyrosine-protein kinase Blk	1,51037762	0,168500547	On
579	TSPSSPAS	phosphorylcholine transferase	0,614013813	0,143337218	
580	PPSAYGSVK	Annexin II	1,189409053	0,103539939	
581	RTKRSGSV	phosphorylase b kinase beta	2,887707946	0,756720562	On
582	KRFGSKAHM	nitric-oxide synthase	2,274628886	0,85510489	
583	LNDSEEEED	E7 protein	1,707439515	0,238768259	On
584	QRATSNVFA	Myosin regulatory light chain 3	0,923589055	0,0264244	
585	SRSRTPSLP		2,259044698	0,33064252	On
586	KRPSARAKA	Myelin basic protein	2,651053094	0,592322493	On
587	LRAPSWIDT	Alpha crystallin B	1,193053084	0,086231806	
588	QRRTSVSGE	cAMP-dependent protein kinase	1,248582046	0,293575686	
589	HATPSPVD	Myb proto-oncogene protein	0,655318117	0,094508217	
590	KRPSQRAKA	Myelin basic protein	1,671313537	0,921348947	
591	EDAESEDEE	Nucleophosmin	2,053716188	0,860828871	
592	ENAEYLRVA	EGF Receptor	1,108807783	0,224283014	
593	HKRKSSQAL	Transforming protein erbA	1,380891568	0,525851174	
594	LAYESHESL	Matrix Gla-protein	0,994212305	0,074638879	
595	PYKFPSSPLRIPGZ		0,875944527	0,142155806	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,639303171	0,034823826	
597	ALRPSTSRS	vimentin	1,188851621	0,478624936	
598	DEAATKTQT	myosin II heavy chain	0,981389811	0,166450065	
599	FARKSTRRS	pleckstrin	2,264009689	1,193822789	
600	GLGESRKDK	myelin	1,141852821	0,22149222	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	1,160090918	0,255413824	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,745547701	0,035635709	
603	RRAISGLT	dihydropyridine-sensitive calcium channel	0,636634544	0,076410396	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,863069863	0,051967355	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	1,096155186	0,235623294	
606	RASLG		1,225091814	0,306402362	
607	AKDASKRGR	myelin	1,673621695	0,546688835	
608	DDEASTTVS	Rhodopsin	1,067663713	0,067116126	
609	ETAESSQAE	Neuromodulin	0,876277028	0,036861679	
610	YTRFSLARQ	Transferrin receptor protein 1	1,139323321	0,399762984	
611	SPKQSPSSS	phosphorylcholine transferase	0,638849729	0,032672105	
612	RKRSRKE	Histone H2B	0,827718089	0,082944047	
613	RPPGFSPFR		1,171831903	0,316903644	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,771941186	0,129787754	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,745691385	0,008377142	

616	KGYSLG	Lysozyme C	0,902328761	0,107530765	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,624559648	0,010369601	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	1,284234969	0,525967679	
619	VEPLTPSGE	EGF Receptor	0,754056996	0,018886081	
620	YRLPSNVQD	Alpha crystallin A	0,749944189	0,074980422	
621	SPAISIHEI	phosphorylase b kinase alpha	0,928040612	0,292437368	
622	RKQISVR	Glycogen phosphorylase	0,93406497	0,03932193	
623	VGWPTVRER	Nef	1,200754329	0,448533241	
624	QTYRSFHDL	cGMP-dependent protein kinase (PKG)	1,203632589	0,487214873	
625	LRRASLGAA	pyruvate kinase	2,484326505	1,095223848	
626	PRKGSPPRG	Histone H2B.2	0,924791664	0,137486579	
627	SSPASLSRA	phosphorylcholine transferase	1,052718317	0,350715961	
628	TKAASEKKS	myelin	0,778769076	0,047026248	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,738559697	0,051385121	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,715587911	0,079310998	
631	KAKVTGRWK	troponin T	2,282000004	0,93099873	
632	KRPTQRAKY	Myelin basic protein	2,96166012	1,304021682	
633	PLSRTL SVRSL	Glycogen [starch] synthase	2,007374416	0,154160462	On
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,787272398	0,056263309	
635	KGGSYSQAA	HLA class I histocompatibility antigen B7	1,028341664	0,155890652	
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	1,845385011	0,651663026	
637	KAQISVRGL	Glycogen phosphorylase	1,11550764	0,369948764	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,960618958	0,747582474	
639	LSGF SFKKN	myristolated alanine-rich C-kinase substrate	1,478125516	0,483064522	
640	EEEEYMPME	Middle T antigen	1,079105652	0,030132265	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	0,885067607	0,016115879	
642	IDKISRIGF	glycine receptor alpha	1,131135765	0,146734852	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,712019219	0,100792689	
644	PYKFPSSPLRIPGZ		0,833715373	0,133998597	
645	GNHTYQEIA	Paxillin	0,909677604	0,075275027	
646	APVASPAAP	synapsins IA and IB	0,857873191	0,134286606	
647	DGNN SDEES	calsequestrin	1,136403151	0,132070766	
648	FMTEYVVTR	mitogen-activated protein kinase MSK7	1,16005548	0,132287454	
649	GRGLSLSRF	Myelin basic protein	1,914432113	0,422447233	
650	EDTLSDSDD	N-myc proto-oncogene protein	2,486473284	0,785120332	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,200209495	0,24776809	
652	RRPTSPVSR	Early E1A	1,860298914	0,902587771	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,956946953	0,08738191	
654	QKRPSQRSK	Myelin basic protein	1,823050593	0,730304302	
655	SDEEH	initiation factor 5A	0,897106314	0,103036444	
656	APLTPGGRR	Myelin basic protein	1,525326594	0,487099237	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,939257957	0,084556712	
658	FGSRSLYGL	keratin, type II	1,231746384	0,246063505	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,889262357	0,022550766	
660	AVRRSDRA	Troponin I	1,43974079	0,494965769	
661	VKRG SGL	Histone H4	1,294445766	0,471559589	
662	RRKDTPALH		1,033397642	0,216652143	
663	SEITTKDLK	Prothymosin	0,882859874	0,0387903	
664	PNVSYIASR	protein kinase shaggy	1,24117361	0,330720163	
665	RRDSV	pyruvate kinase	1,412513386	0,288552885	
666	STRRSIRLP	pleckstrin	3,454191234	1,794786004	
667	TPQVSDTMR	glycogenin	0,991680073	0,093524322	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,807487727	0,025841724	
669	RAAHSIKGG	Chemotaxis protein cheA	1,353040775	0,458098477	
670	SPSLSRHSS	Glycogen [starch] synthase	1,820848841	0,824778512	
671	RTPPPSG	Myelin basic protein	0,994516894	0,218295697	

672	VRKRTLRL	EGF Receptor	1,914699349	0,899632382	
673	SRKSGFGH	gap junction beta-1 protein	1,680322909	0,790897977	
674	LSGESDLEI	DNA topoisomerase II	1,456176392	0,440419289	
675	PSQRSKYLA	Myelin basic protein	0,958259528	0,043694691	
676	STDEYLDLS	Receptor tyrosine kinase	2,462199301	1,04654925	
677	TNHIYSNLA	Mast/stem cell growth factor receptor	0,965081764	0,183822313	
678	LSRHSSPHQ	Glycogen [starch] synthase	1,610652464	0,768443796	
679	PTRHSRVAE	Lamin	0,95510916	0,16374244	
680	KISITSRKA	GTP-binding protein era	1,730033662	0,755151918	
681	KSKISASRK	troponin I	2,164703038	1,122230657	
682	KRKQISVGGL	Glycogen phosphorylase	1,539337816	0,532305237	
683	SRALSRQLS	Heat Shock Protein 27	2,951525238	0,817271712	On
684	KKKFSFKKP	MARCKS-related protein	2,715510034	1,267208835	
685	KTRSSRAGL	Histone H2A	2,664532731	1,275931215	
686	PAPGSPPEP	Early E1A	0,994628228	0,075957376	
687	IGSESTEDQ	Alpha-S1 casein	1,342779462	0,058714764	On
688	MRRNSFTPL	fructose-2,6-bisphosphatase	1,416049111	0,082838297	On
689	EEQEYVQTV	Annexin I	1,19306753	0,153313815	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,803119648	0,051608525	
691	IREESPPTS	Glycoprotein IV	0,675703935	0,074207064	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	1,591173848	0,26783601	
693	PYKFPSSPLRIPGZ		0,789165104	0,029243922	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	1,824735468	0,02604184	On
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	1,5292169	0,195228181	On
696	DLPLPSAF	tristetrapoline	1,455444083	0,156727437	On
697	GDKKSKKAK	Na+/K+ ATPase 1	1,574915655	0,412995621	
698	GSDVSFNEE	DNA topoisomerase II	1,691505384	0,165023294	On
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,726670893	0,080461717	
700	ERQKTQTKL	myosin light chain kinase	1,23846445	0,324692795	
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	1,254445988	0,171470385	
702	SKAGSLGNI		0,820400896	0,146540156	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,696646577	0,136886934	
704	AAATTPAAE	neuromodulin	0,64222244	0,174558151	
705	ARKKSSAQL	ras-related protein rap-1b	1,025068222	0,346406025	
706	DKVTSPTKV	caldesmon	0,718886524	0,09529404	
707	FRRFTPDSL	Sodium channel protein	0,88106969	0,082789053	
708	RFTDRKDE	elongation factor 4	0,82980664	0,192659981	
709	RKISASEA		0,788872406	0,139275421	
710	LARASLG	pyruvate kinase	1,19566353	0,049406622	On
711	RRRLSSLRA	40S ribosomal protein S6	1,506895183	0,057947018	On
712	SGYISSLEY	Complement C1r	2,17275818	0,212600204	On
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,832431537	0,117990878	
714	TIAVG	Photosystem Q(A)	0,776750436	0,046961181	
715	TADISEDEE	phosphorylcholine transferase	1,836514731	0,285516768	On
716	TRQTSVSGQ	synapsins IA and IB	0,877992556	0,137717803	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	1,932747598	0,089735886	On
718	REQESSGEE	Protein phosphatase inhibitor 2	0,93585724	0,117762662	
719	GTKRSGSV	phosphorylase b kinase beta	1,922177165	0,232412542	On
720	NRLQTMKEE	Lamin C	0,862894771	0,049635989	
721	VVELSGESD	DNA topoisomerase II	1,569770674	0,403575218	
722	SRRPSRATW	Vitronectin	2,532442957	1,201630907	
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,856390209	0,162990082	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	1,098605928	0,041649524	
725	STTVSKTET	Rhodopsin	0,833226902	0,114124822	
726	TRKISASEF		0,922957524	0,111644941	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,778611096	0,025596748	

728	KQGSGRGL	Glycogen phosphorylase	1,804591549	0,31401998	On
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	2,300401685	0,688779341	
730	LASSSKEEN	Cystatin S	0,8000767	0,084181686	
731	PLRRTLVA	glycogen synthase	1,563720435	0,029871092	On
732	SRPSSNRSY	vimentin	2,593337946	0,94547061	
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	1,919986025	0,501803052	
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	1,41541142	0,344286779	
735	QKAQTERKS	troponin T	1,325772367	0,24678357	
736	ISTESQPNG	phosphorylase b kinase alpha	0,628922287	0,064556709	
737	NGNNYVYID	Mast/stem cell growth factor receptor	1,09037227	0,074759523	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	1,196430578	0,350727446	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	1,048016906	0,231146107	
740	KRKSSQALV	Transforming protein erbA	1,393084436	0,54330517	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,694926239	0,02710294	
742	PYKFPSSPLRIPGZ		0,754556614	0,093456604	
743	GSPGTPGSR		1,038651802	0,231670953	
744	AVVRTPPKS		1,337652055	0,474187148	
745	DRKLSTKEA	multidrug resistance protein 2	0,762851401	0,080104019	
746	GGIRSLNVA	isocitrate dehydrogenase	0,894695364	0,158917234	
747	GTRLRLARM	glial fibrillary acidic protein	1,647225021	0,130329046	On
748	EGNKSPAPK	Actin and myosin binding protein	0,761373628	0,009862107	
749	ESHESMESY	Matrix Gla-protein	0,967831872	0,186038912	
750	RVRISADAM	Troponin I	0,724593355	0,110593372	
751	SNDDSDDDD	calsequestrin	1,47922738	0,469057778	
752	RRPTPA	Protein phosphatase inhibitor 3	1,491790695	0,373729057	
753	AEGSSNVFS	Myosin regulatory light chain 2	0,911435294	0,129071704	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	1,629958063	0,35172648	
755	DNPDYQQDF	EGF Receptor	1,842355097	0,278645021	On
756	GDVKYADIE	platelet-derived growth factor receptor	0,970876524	0,245101481	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	1,093746002	0,207492131	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	1,552421468	0,496122772	
759	LRRPSLG	pyruvate kinase	2,420341358	0,09644913	On
760	RRVRSQEPG	somatostatin receptor type 4	1,10613423	0,214386233	
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,869592403	0,118915221	
762	RRASVA	pyruvate kinase	1,77496355	0,296012717	On
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	1,008658699	0,273467649	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,978966864	0,062107767	
765	TVKSSKGGP	Annexin I	1,191847864	0,211939844	
766	WTSDSAGEE	14-3-3 protein tau	1,569714548	0,28943679	
767	RKAASVIAK	DNA polymerase beta	1,535419871	0,443544891	
768	LRRASLDG	pyruvate kinase	1,019640418	0,095849834	
769	LRRASGG	pyruvate kinase	1,180846967	0,250095564	
770	YHTTSHPGT	Band 3 anion transport protein	1,058890501	0,247710168	
771	SSEESITRI	Beta casein	1,312602299	0,145033489	
772	PLAGSPVIA	casein kinase II	0,951203022	0,108094457	
773	LGSPLRRR	vimentin	3,492761574	1,832435604	
774	TEDQYSLVE	PI3-kinase p85-alpha	1,948111173	0,493114759	
775	TRTYSLGSA	vimentin	1,232545812	0,292080488	
776	PPSAYATVK	Annexin II	0,926022879	0,136989028	
777	RTKRSGSV	phosphorylase b kinase beta	2,283519422	0,299422987	On
778	KREASLDNQ	Phytochrome A	0,838948132	0,085946927	
779	LMDKYHVDN	Early E2A	0,791104	0,065714746	
780	QQGMTVYGL	calponin alpha and beta	1,159415176	0,115937199	
781	SRSRSRSRS	Lamin B receptor	5,298232871	1,456185951	On
782	KRNSSPPPS		1,476265427	0,359165778	
783	LQRYSSDPT	EGF Receptor	0,797535122	0,0508823	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	1,590132995	0,081250254	On
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,716421949	0,093897002	
786	KRPSNRAKA	Myelin basic protein	1,401460567	0,540617851	
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,754954119	0,054950278	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,747762873	0,076428181	
789	HKIKSGAEA	DNA polymerase beta	0,764551086	0,104727564	
790	LARRSTTDA	Choriogonadotropin beta	0,829164917	0,061776	
791	PYKFPSSPLRIPGZ		0,735284711	0,039140069	
792	GGTGTPNKE	Actin and myosin binding protein	0,572744534	0,102172155	
793	ALGISYGRK	TAT protein	1,338452245	0,423266379	
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,698262492	0,055538915	
795	EYVQTVKSS	Annexin I	0,599653004	0,013895683	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,701116501	0,027817813	
797	DSTYYKASK	Focal adhesion kinase	1,431366849	0,393954212	
798	EKEISDDEA	Heat Shock Protein 90-beta	0,903654887	0,130650555	
799	RRADSLQKN	iron-responsive element binding protein	0,747610625	0,159473755	
800	SAYGSVKAY	Annexin II	0,700355778	0,008761535	
801	NTSSSPQPK	p53	0,703794043	0,114152217	
802	GSRRR	protamine	2,263514616	1,00611427	
803	AKAKTTKKR	Myosin regulatory light chain 2	2,645169908	1,116337164	
804	DDAYSDTET	Protein phosphatase inhibitor 2	3,181475816	0,767466375	On
805	ESVDYVPMML	platelet-derived growth factor receptor	1,389312432	0,244923672	
806	YSTDYREG	TrkC tyrosine kinase	1,369368871	0,215491709	
807	SPKKSPRKA	Histone H4	1,287078087	0,467175339	
808	RKRSRKA	Histone H2B	1,770313519	0,57710378	
809	RPPASPSQP	synapsins IA and IB	0,746393576	0,021272515	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	0,978879089	0,155323233	
811	NRQSSQARV	Phytochrome A	1,361786429	0,373687948	
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,765254196	0,045539492	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	1,877543503	0,751045559	
814	TKKQSFKQT	cystic fibrosis transmembrane conductance regulator	1,081581092	0,416159652	
815	VDSAYEVIK	L-lactate dehydrogenase M	1,25838393	0,232643	
816	YRKSSLKSR	spermatid nuclear transition protein 3	2,267035703	0,644067756	
817	SNVSSTGSI		0,835013795	0,092024057	
818	RARSRKE	Histone H2B	1,501799953	0,454909412	
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,740165822	0,048050068	
820	QTVKSSKGG	Annexin I	0,93557908	0,308760612	
821	LRMFSEKAP	Gamma-aminobutyric-acid receptor gamma-2	1,156912268	0,314253129	
822	PRHLSNVSS		0,672414426	0,084384302	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	0,827565182	0,077327239	
824	THYGSLPQK	Myelin basic protein	1,082133361	0,310941758	
825	LRRPSDQAV	Transforming protein rel	0,99370939	0,091589463	
826	PRRNSRASL	Sodium channel protein type II alpha	0,809275535	0,233700101	
827	KAKTTKKRP	Myosin regulatory light chain 2	2,489529432	0,960435124	
828	KRPSGRAKA	Myelin basic protein	2,177565721	0,601583898	
829	PLSKTSLVSSL	Glycogen [starch] synthase	0,934821708	0,080994041	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	1,119574913	0,233247787	
831	KGATSDEED	DNA topoisomerase II	1,106417712	0,12660289	
832	KRRNSEFEI	tryptophan 5-monooxygenase	1,595596759	0,191973642	On
833	LTRRASFSAQ	Regulatory protein ADR1	3,188356336	0,59053846	On
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,727051865	0,056956608	
835	LRRFSLATM	Cytochrome P450 2B1	1,743186073	0,240645753	On
836	EEEAYGWMD	Gastrin	1,750705196	0,376913951	
837	EQESSGEED	Protein phosphatase inhibitor 2	1,12728235	0,104656665	
838	IAADSEAEQ	Insulin receptor substrate 7	1,017723706	0,091531888	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,666379746	0,02941904	

840	PYKFPSSPLRIPGZ		0,665372965	0,080703667	
841	GNGDYMPMS	Insulin receptor substrate 8	0,721838394	0,096161543	
842	APRYPGGRR	Myelin basic protein	2,019754803	0,711336744	
843	DGNKSPAPK	caldesmon	0,917546942	0,0755187	
844	FMTEYVATR	mitogen-activated protein kinase	0,800228685	0,094209826	
845	GRASSHSSQ	Lamin C	1,39629878	0,347501864	
846	EDSTYYKAS	Focal adhesion kinase	1,708408981	0,355574729	
847	ENPQYFRQG	TrkC tyrosine kinase	0,796529278	0,166395875	
848	RRPTPATVA	Protein phosphatase inhibitor 4	1,044926323	0,177308812	
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,849208147	0,050256065	
850	QEKESERLA	Beta-2 adrenergic receptor	0,812917431	0,097173588	
851	RRVSV	pyruvate kinase	1,784357335	0,250036293	On
852	APFTPGGRR	Myelin basic protein	1,501992173	0,352386115	
853	DEKLSEILG	RNA polymerase alpha	1,030391651	0,070053233	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotran	0,852891614	0,134362168	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	2,527916921	0,502396192	On
856	AVRRSDAA	Troponin I	1,056729604	0,107440531	
857	TKRSGSV	phosphorylase b kinase beta	1,410515526	0,048390555	On
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,849390969	0,120615478	
859	SEGDSSEGE	Serum response factor	1,313903571	0,576833168	
860	PLDRSSHAQ	Insulin Receptor (IR)	1,032753344	0,119247635	
861	RRASS	pyruvate kinase	1,608450943	0,214066884	On
862	STPLSPTRI	Lamin A/C	1,218848786	0,120200048	
863	TPPLSPSRR	Myc proto-oncogene protein	2,444324248	0,826508147	
864	VKRISGLIY	Histone H4	1,348763256	0,114971108	On
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	1,936390448	0,468398936	
866	SPRTPGGRR	Myelin basic protein	1,973716333	0,51307583	
867	RRRRSVA	pyruvate kinase	2,621219819	0,713380089	On
868	VRFESIRLP	Choriogonadotropin beta	1,414994454	0,119416507	On
869	SRKESYSVY	Histone H2B	0,959473832	0,073963762	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	2,983640767	1,273949017	
871	PSPSSRVTV	Lamin B1	1,206300062	0,175015299	
872	SSVPTPSPL	casein kinase II	0,817331217	0,19700835	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	1,626787315	0,238624826	On
874	LSRFSWGAE	Myelin basic protein	1,0286144	0,215735032	
875	PTKRSPTKR	Histone H2B.1	1,481643212	0,209967144	
876	KISASRKLQ	troponin I	1,936066613	0,498862971	
877	KSFGSPNRI	cell division protein kinase 7	1,550950657	0,261510552	
878	KRKQISVAGL	Glycogen phosphorylase	1,650195583	0,357578564	
879	SQHSTPPKK	Large T antigen	1,20034589	0,102238473	
880	KKIDSFASN	acetyl-CoA carboxylase	1,01755655	0,095983314	
881	KTETSQVAP	Rhodopsin	0,908917928	0,211092676	
882	PAAPSPGSS	synapsins IA and IB	1,055464813	0,136689034	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,856166151	0,138301436	
884	MQLKSEIKQ	phosphorylase b kinase alpha	0,939458592	0,078583216	
885	EEQEYIKTV	Annexin I	1,706104589	0,432984118	
886	ERRPSNVSQ	Sodium channel protein type II alpha	0,880144955	0,070115346	
887	IPPHTPVRT	Retinoblastoma-associated protein	1,427505282	0,251067315	
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,913500884	0,16576176	
889	PYKFPSSPLRIPGZ		0,693836634	0,077992619	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	1,569913757	0,244354683	
891	ARTKRSGSV	phosphorylase b kinase beta	2,453129084	0,376760506	On
892	DLPGTEDFV	Beta-2 adrenergic receptor	1,87169207	0,463374495	
893	GALYSGSEG	Serum response factor	1,143315965	0,222268761	
894	GRVLTLP RS	Insulin Receptor (IR)	1,917389866	0,219075411	On
895	EKESSNDS	muscarinic acetylcholine receptor M2	0,903316195	0,163086214	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,894264992	0,097882003	
897	RRRRSRRAS	Protamine Z	2,157480718	0,894881322	
898	SIYSSDDDE	Myb proto-oncogene protein	2,457135897	0,223091707	On
899	HGYSLG	Lysozyme C	0,910320884	0,194246792	
900	AAASFKAQR		1,846497178	0,316286213	On
901	ARKFSSARP	Sodium channel protein	1,874566122	0,238927022	On
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	1,142842534	0,01061963	On
903	FRKLSFTES		1,195523689	0,175230129	
904	RFHKSSKDS	myelin	0,904170565	0,216515222	
905	RAKRSGSV	phosphorylase b kinase beta	2,624819508	0,46204844	On
906	KSESSQK	40S ribosomal protein S6	0,936176322	0,094463881	
907	RRRLSDSNF	synapsins	1,017734407	0,142690878	
908	SGKTSPSSS	phosphorylcholine transferase	0,825308613	0,12360679	
909	KSRRTI	Interleukin-2 receptor alpha	1,39288932	0,409674043	
910	TAILE	Photosystem Q(B)	0,826348503	0,066489745	
911	SYPLSPLSD	Cytosolic phospholipase A2	1,822744258	0,119633652	On
912	TRQASQAGP	synapsins IA and IB	0,931614291	0,197791138	
913	VRVYTHEVV	cell division control protein 2	0,951960369	0,089110161	
914	RENEYMPMA	Middle T antigen	0,845839713	0,10647904	
915	GRGLSLSR	Myelin basic protein	2,850271663	0,479792932	On
916	YIYGSFK		1,221516294	0,100481877	
917	VTRSSAVRL	vimentin	1,92170945	0,298241277	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	0,920555412	0,172503404	
919	PASPSPQRQ	synapsins IA and IB	0,926847455	0,122532026	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran:	1,454393552	0,233940207	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,93421088	0,08122044	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	1,581696741	0,414867913	
923	PGGSTPVSS	casein kinase II	0,762355854	0,153319243	
924	QGTLKIFK	Myelin basic protein	1,374061146	0,306847146	
925	KKRLSVERI	DNA topoisomerase II alpha	1,874844251	0,60427006	
926	KYRKSSLKS	spermatid nuclear transition protein 4	2,099143478	0,559251745	
927	PLSRRLSVA	glycogen synthase	1,359100512	0,34634499	
928	SRLHSVRER	sucrose synthase 2	2,713557209	0,580947092	On
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	1,305516683	0,327950359	
930	LGGGTFDIS	Heat Shock Protein 70	1,114255337	0,407685484	
931	QHLKSVMLQ	Troponin I	1,104191667	0,333008	
932	ISQESSEEE	high mobility group protein	1,457915537	0,24169946	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,618180202	0,115761277	
934	EHVSSSEES	Alpha-S2 casein	0,694168377	0,022631937	
935	ESMESYEVS	Matrix Gla-protein	1,815053507	0,38080679	
936	KQLASFEIY	Cystatin S	0,740416692	0,058623388	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,871478081	0,074607048	
938	PYKFPSSPLRIPGZ		0,621238158	0,048054212	
939	GSLKSRKRA	spermatid nuclear transition protein 1	2,887504044	0,793626725	On
940	AVRRSDRAY	Troponin I	1,513528265	0,365651362	
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	1,562424633	0,401245861	
942	GGGTSPVFP	Desmin	0,726800975	0,036862198	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,451699428	0,128937847	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,517258667	0,067019539	
945	ESHESLESY	Matrix Gla-protein	1,281269199	0,109577498	
946	RVLESFRAA	voltage-gated potassium channel	2,053019779	0,256160519	On
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,897525875	0,103019253	
948	RRPSPA	pyruvate kinase	1,424452643	0,154965899	On
949	ADSFSLNDA	galectin-3	1,265670193	0,199157418	
950	ATSASPPQK	p53	0,685160884	0,0852422	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	1,686905207	0,031700183	On

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,821910046	0,076166558	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,857539273	0,12236736	
954	ASGSFKL	Histone H1.1	0,86766128	0,121511894	
955	LRRGSLG	pyruvate kinase	2,461977903	0,657139404	On
956	RRSVSEAAL	hormone sensitive lipase	0,734567177	0,123432958	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	0,899741972	0,275736668	
958	RRASLG		2,147017141	0,460972592	On
959	AAVDTSEI	Prothymosin	1,252530985	0,303896131	
960	TESQSLTLT	Beta casein	0,898123193	0,114802523	
961	TTRVTPLRT	Desmin	1,886765981	0,343111694	On
962	WTADSGEGD	Fibrinogen alpha	1,608853466	0,332073338	
963	RHRDTGILD	Myelin basic protein	0,727091731	0,107824966	
964	NRIYTHQVV	cell division protein kinase 7	1,215715444	0,259287049	
965	LRKASLG	pyruvate kinase	0,912275647	0,034361072	
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,663842247	0,007576253	
967	SSEESIISQ	Alpha-S2 casein	1,00857862	0,189666071	
968	PKRGSKGKD	Myelin basic protein	0,977435928	0,023658247	
969	LGSALRRR	vimentin	4,711790179	1,207213621	On
970	TDESDNEI	lower matrix phosphoprotein	2,165015405	0,100210866	On
971	TRSVSSSSY	vimentin	1,376182884	0,185769394	
972	PPRRSSIRN	Neutrophil cytosol factor 7	4,262225243	1,07353579	On
973	RTKGSQSV	phosphorylase b kinase beta	1,746458224	0,360248795	
974	KRAASPRKS	Histone H5	2,22107732	0,692032737	
975	LMAPSEEDH	insulin-like growth factor binding protein 2	0,923782454	0,093456614	
976	QNPVYHNQP	EGF Receptor	1,070070183	0,173603226	
977	SRSRSRSPG	Lamin B receptor	4,598282357	1,433548106	On
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	1,403259819	0,323843626	
979	LQDDYEDMM	Band 3 anion transport protein	1,497342875	0,509561452	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,677107639	0,03277791	
981	GVLRRASVA	pyruvate kinase	1,865438707	0,111341084	On
982	KRPSLRAKA	Myelin basic protein	2,408580127	0,684973682	
983	EASTTVSKT	Rhodopsin	0,892605079	0,25112516	
984	ELSNYIAMG	Insulin receptor substrate 9	0,727700133	0,099825582	
985	HHHATPSPP	Myb proto-oncogene protein	0,801170087	0,139429232	
986	KTETSQVAP	Rhodopsin	0,690629196	0,096662063	
987	PYKFPSSPLRIPGZ		0,928336253	0,200067776	
988	GGSVTKKRK	Lamin C	1,559294578	0,756658504	
989	AKRISGKMA	cell division control protein 2	1,337581226	0,225891607	
990	DDPSYVNVQ	Adaptor molecule SHC	1,030159696	0,145021899	
991	EVEKSPVKS	neurofilament triplet M	0,764289681	0,117356712	
992	GKSSSYSKQ	Fibrinogen alpha	1,245111404	0,327916285	
993	DSRSSLIRK	multidrug resistance protein 3	1,684085453	0,148154562	On
994	EKAKSPVPK	neurofilament triplet M	1,104695656	0,196873519	
995	RQRKSRTTI	Interleukin-2 receptor alpha	1,690925543	0,414325807	
996	SAYATVKAY	Annexin II	0,795663047	0,167238851	
997	NTDGSTDYG	Lysozyme C	1,43353429	0,804384708	
998	KRTLRL	EGF Receptor	1,78216732	0,674125201	
999	AGPTSARDG	RNA polymerase alpha	0,688295764	0,100460544	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	1,13903378	0,149567872	
1001	ESSYSYEEI	RNA polymerase alpha	1,593712634	0,287977615	
1002	YSLGSALRP	vimentin	0,796991369	0,143534683	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,759329099	0,100173488	
1004	RKRRAE	Histone H2B	1,119809604	0,109760978	
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,72342529	0,114610807	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,951194642	0,270920025	
1007	NRQLSSGVS	Heat Shock Protein 28	0,99946894	0,107554503	

1008	VGPDS	p53	1,091321121	0,278114628	
1009	SSSEGAPE	Clathrin light chain B	0,598864403	0,112584333	
1010	TKHIYNLA	Mast/stem cell growth factor receptor	0,7864908	0,031498668	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,637001138	0,202881919	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	1,250534739	0,060661805	On
1013	SNQEYLDLS	Receptor tyrosine kinase	1,218125714	0,231919043	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,839559926	0,143452714	
1015	VGFMEYVA	mitogen-activated protein kinase 1	0,933721697	0,064769912	
1016	QTASSPLSP	Lamin	0,559113542	0,222567828	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	0,74688433	0,166958411	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,745084098	0,172833091	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,80496081	0,091205342	
1020	THVASVSDV	acetyl-CoA carboxylase	0,766699614	0,063637716	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	2,435468803	0,809938746	
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	1,206129828	0,109557369	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	0,761380989	0,120070225	
1024	KRPSFRAKA	Myelin basic protein	2,570435268	0,703252712	On
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	0,777133587	0,240485258	
1026	QRYSSDPTG	EGF Receptor	0,688624853	0,118768942	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,723880404	0,032670238	
1028	KRRLSFSET	Interleukin-1 alpha	1,428171868	0,286808996	
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	3,856827319	1,691633628	
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,873206705	0,17930211	
1031	LNRMSFASN	acetyl-CoA carboxylase	0,992158496	0,192133282	
1032	EEDTYTMPS	Focal adhesion kinase	1,355501494	0,256244948	
1033	EQEYEDPD	Band 3 anion transport protein	1,459311152	0,268831789	
1034	HVSSSEESI	Alpha-S2 casein	0,727950656	0,303889607	
1035	METPSQRRRA	Lamin C	1,281562248	0,228582012	
1036	PYKFPSSPLRIPGZ		0,930563989	0,073345664	
1037	GNFNYVEFT	Myosin regulatory light chain 2	1,360311432	0,12637454	On
1038	APRTPGGRR	Myelin basic protein	2,102330828	0,72177492	
1039	DGNGYISAA	Calmodulin	1,058431736	0,138004608	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,919338795	0,035173301	
1041	GRALSTRAQ	Troponin I	1,761091532	0,089412508	On
1042	EDRMSLVNS	Cystatin S	0,644935695	0,255716037	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	1,564916695	0,274467472	
1044	RRLSSLRAS	40S ribosomal protein S6	2,869648855	0,766196254	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	1,776900924	0,487298678	
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,92919746	0,126917301	
1047	RRPSV	pyruvate kinase	1,573462892	0,176114825	On
1048	APETPGGRR	Myelin basic protein	1,459350851	0,291476576	
1049	DEEMSETAD	Protein phosphatase inhibitor 2	1,165297233	0,170592269	
1050	FFSSSEGA	Clathrin light chain B	0,671979102	0,248393402	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,882755842	0,081429756	
1052	APTPGGRR	Myelin basic protein	1,449369305	0,730318992	
1053	STNDSPL	Beta-2 adrenergic receptor	0,75607726	0,251627569	
1054	RRKASGPPV	Histone H1.1	1,206253729	0,204003532	
1055	SEENSKKTV	Alpha-S2 casein	0,710453032	0,119791507	
1056	PASPSPQRQ	synapsins IA and IB	1,039461945	0,167877118	
1057	RRASR	pyruvate kinase	1,924514052	0,597056444	
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,839178704	0,102965608	
1059	TPPLSPIDM	Transcription factor AP-5	0,825976273	0,155947731	
1060	VKGATSDEE	DNA topoisomerase II	0,878938433	0,090436025	
1061	QRATSNVFA	Myosin regulatory light chain 5	0,819703606	0,108240126	
1062	SPRKSPRKS	Histone H6	2,015079866	0,639715827	
1063	RRRASVA	pyruvate kinase	2,011958658	0,51086529	

1064	VTPSPPLGP	casein kinase II	0,848000999	0,046416692	
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	1,036401769	0,088868088	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,837465154	0,065254068	
1067	PSPKYPGPQ	Chromogranin A	0,826987039	0,059657687	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,89957748	0,037330316	
1069	TLSDSDDED	N-myc proto-oncogene protein	1,791513799	0,160455924	On
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,936189522	0,062545701	
1071	PTKRSPQKG	Histone H2B.1	0,917265854	0,098479267	
1072	KIQASFRGH	neurogranin	2,358940615	0,653897627	
1073	KRSNSVDTS	Glycogen [starch] synthase	1,115986442	0,101773755	
1074	KRKQISGRGL	Glycogen phosphorylase	1,271417839	0,338563098	
1075	SQESSEEEQ	high mobility group protein	0,874830342	0,340260994	
1076	KKDVTVPKA	Histone H1	1,444322984	0,338989647	
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	1,632192407	0,507466081	
1078	LYSGSEGDS	Serum response factor	1,718904311	0,067598693	On
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,836331795	0,180114187	
1080	MPGETPPLS	Transcription factor AP-3	0,90314566	0,105944363	
1081	EFPVYEAP	Hematopoietic cell-specific LYN substrate	2,067512273	0,768193488	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,90330554	0,293898165	
1083	INETSQHHD	vimentin	0,720956784	0,067516467	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,800488046	0,093806334	
1085	PYKFPSSPLRIPGZ		0,691515823	0,103500371	
1086	GRNASTNDS	Beta-2 adrenergic receptor	0,805755798	0,070007561	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	1,641618597	0,314096892	
1088	DLTSPDVG	Transcription factor AP-4	1,093308336	0,015837917	On
1089	GAGNSLRTA	Lamin C	1,402609703	0,216360153	
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	1,001494435	0,069748106	
1091	EEHVYSFPN	Paxillin	0,97946003	0,068885842	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	0,786668252	0,043049745	
1093	RRRRAASVA	pyruvate kinase	2,338103219	0,747375473	
1094	SIRDTPAKN	Nucleophosmin	0,897299276	0,010711782	
1095	GGYSLG	Lysozyme C	1,084996371	0,245369024	
1096	AAASFKAKK		1,479434355	0,365113304	
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	1,152685821	0,131190803	
1098	DKEVSDDEA	HSP90-alpha	1,170347631	0,279097962	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	2,362493852	0,490891868	On
1100	RFFGSDRGA	Myelin basic protein	1,685005893	0,105283601	On
1101	PRTPGGRR	Myelin basic protein	1,118111483	0,579940121	
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	1,403708018	0,265328253	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	1,701120737	0,24366805	On
1104	SGDTSRPHL	Microtubule-associated protein tau	1,110389081	0,133899958	
1105	KQITVR	Glycogen phosphorylase	1,577602777	0,29308658	
1106	SSKRA	Myosin regulatory light chain 2	1,810295976	0,41241782	
1107	SVSSSSYRR	vimentin	3,217074058	1,103102773	
1108	TRQASISGP	synapsins	1,17304874	0,064669307	
1109	VRTYTHEVV	Cell division protein kinase 2	1,022082316	0,056044466	
1110	REILSRRPS	cAMP response element binding protein	2,773847073	0,517894266	On
1111	GASGSFKL	Histone H1.1	1,186375301	0,178927479	
1112	VRRSDRA	Troponin I	1,41583407	0,400237893	
1113	VTRRTLSDM	6-phosphofructokinase	1,799962253	0,317504578	On
1114	SRRGSESSE	phosphoprotein phosphatase 1, 3a	1,282453235	0,102044203	On
1115	PASAYGSVK	Annexin II	0,992048101	0,075848859	
1116	PWQVSLRTR	Plasminogen	1,117752449	0,12439957	
1117	STSRSLYSS	vimentin	3,333301385	0,581876943	On
1118	TRGGSLERS	alpha-1B adrenergic receptor	1,379041987	0,049981125	On
1119	PFKLSGLSF	MARCKS-related protein	0,970244037	0,078953691	

1120	QEQEYVQAV	Annexin I	0,996338734	0,046586285	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,42517181	1,512182082	
1122	KYLASASTM	Myelin basic protein	1,300769429	0,40177023	
1123	PRRVSRRRR	Protamine YII	1,249388121	0,15447338	
1124	SRKRSGEAT	6-phosphofructokinase	1,048491689	0,127821427	
1125	KMKDSDSEE	Calmodulin	0,986228983	0,035781767	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,851251512	0,050872581	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	1,009349203	0,171842072	
1128	ISITSRKAQ	GTP-binding protein era	0,959204712	0,219805273	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	0,751130547	0,089916317	
1130	EHIPYTHMN	Insulin Receptor (IR)	0,966128042	0,268964764	
1131	ESMESYELN	Matrix Gla-protein	1,491758437	0,216779595	
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,145188801	0,920855899	On
1133	NKQGYKARQ	Protein kinase C delta	1,306606545	0,219422967	
1134	PYKFPSSPLRIPGZ		0,592932	0,059036313	
1135	GSQTSSRPS	vimentin	0,880621036	0,21547318	
1136	AVMVSHYIH	Prolactin	1,394770847	0,356622424	
1137	DPPGTESFV	Beta-2 adrenergic receptor	1,66487479	0,127060288	On
1138	GFKRSYEEH	Insulin Receptor (IR)	0,994218998	0,230864219	
1139	GSRRRRRRY	protamine	2,497547447	1,186364186	
1140	EFPLSPPKK	stathmin	0,991343981	0,246555844	
1141	ESEKTKTKE	myosin II heavy chain	0,719299072	0,099658432	
1142	RSSMSGLHL	acetyl-CoA carboxylase	1,073977993	0,285275113	
1143	SLVNSRAQE	Cystatin S	0,771210045	0,249965156	
1144	RRATVA	pyruvate kinase	1,461207145	0,17629759	On
1145	ADSFSLHDA	galectin-3	1,192309631	0,091602786	
1146	ATRRSYVSS	glial fibrillary acidic protein	1,978286181	0,372559617	On
1147	DNIDSQGRN	Beta-2 adrenergic receptor	0,731255826	0,076638344	
1148	GDSSEGEIE	Serum response factor	1,29775725	0,353676049	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	1,438755356	0,441971409	
1150	AKRSRKE	Histone H2B	1,05746788	0,424172133	
1151	LRRATLG	pyruvate kinase	1,708822035	0,110933655	On
1152	RRSSSVGYI	Acetylcholine receptor protein delta	1,77386161	0,063100287	On
1153	SKVTSKAGS		1,135355295	0,074109157	
1154	RGYSLG	Lysozyme C	1,29481805	0,079757751	On
1155	AARTPGGRR	Myelin basic protein	1,943980154	0,389203154	On
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	0,950121433	0,28623889	
1157	TTRRSASKT	Fibrinogen alpha	1,695318013	0,309003031	
1158	WLTKTPEGN	Actin and myosin binding protein	0,840300018	0,100132199	
1159	RGRSSVYSA	myosin heavy chain	2,228466354	1,739048933	
1160	RKRTLRRRL	EGF Receptor	2,0123091	0,273665508	On
1161	LRHASLG	pyruvate kinase	0,984161446	0,066839849	
1162	YNGYSSNS	Beta-2 adrenergic receptor	1,023126225	0,051675446	
1163	SRTPSLPTP	Microtubule-associated protein tau	0,711409094	0,175349818	
1164	PKKGSKKAV	Histone H2B	0,946515659	0,253386954	
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	1,202158505	0,217836321	
1166	TDDGYMPMS	Insulin receptor substrate 10	0,989573776	0,06062699	
1167	TRRLTGFLP	Glycogen phosphorylase	1,241064168	0,118919641	
1168	PPEKTEEEE	somatostatin receptor type 5	0,894098561	0,105484798	
1169	RTGRSGSV	phosphorylase b kinase beta	2,596180857	0,690762617	On
1170	KQSPSSSPT	phosphorylcholine transferase	0,9753016	0,035083935	
1171	LLRPSRRVR	somatostatin receptor type 6	2,657042666	1,225698085	
1172	QMALTPVVV	cell division protein kinase 4	0,958187145	0,156422786	
1173	SRSRSPGRP	Lamin B receptor	2,815830143	0,603802666	On
1174	KRKRSRKES	Histone H2B	2,708688443	0,874707084	
1175	LQAISPKQS	phosphorylcholine transferase	0,876956667	0,165852593	

1176	QRRRSLEPP	Proto-oncogene tyrosine-protein kinase Src	0,889379845	0,178050177	
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Suppl. Table 6. Average densitometry values for all substrates on the arrays for T cells and their Markov test of significance.

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYDPM	platelet-derived growth factor receptor	0,5964	0,064018799	On
2	KRPSVRAKA	Myelin basic protein	2,629466667	0,844519201	
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	0,67045	0,104864325	
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	0,5461	0,046943743	
5	HRLLTLDPV	Interleukin-1 receptor	0,5604	0,055165524	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,614883333	0,103933194	
7	PYKFPSSPLRIPGZ		0,583366667	0,046292374	
8	GKRQTEREK	Troponin T	0,574833333	0,053097651	
9	APATSPKAE	neuromodulin (GAP43)	0,715833333	0,0599187	
10	DEESEQGA	tubulin	0,52405	0,064384017	
11	FFRRSKIIV	glutamate receptor 2	0,6436	0,058429031	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	0,578583333	0,052323518	
13	EAALYKNLL	Mast/stem cell growth factor receptor	0,52565	0,027641032	
14	ELILSPRSK	stathmin	0,573133333	0,062070086	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,555466667	0,066321192	
16	SEDNSEDEI	acetyl-CoA carboxylase	0,575983333	0,012349516	
17	PASLSRAKA	phosphorylcholine transferase	0,540566667	0,009575083	
18	RRASL	pyruvate kinase	0,661066667	0,109113781	
19	AKKMSTYNV	myosin heavy chain	0,874233333	0,081081619	On
20	DDINSYEAW	Coagulation factor IX	0,598166667	0,046450858	
21	ETRFTDTRK	elongation factor 2	0,592466667	0,051903345	
22	QLSTSEENS	Alpha-S2 casein	0,557666667	0,048753365	
23	SPRKSPKKS	Histone H1	1,478266667	0,376556825	On
24	RRKASGP	Histone H1.1	0,57515	0,064853386	
25	RQLRSPRRT	ras-related protein Rab-4A	0,569066667	0,03757216	
26	SAVASNMRD	muscarinic acetylcholine receptor M2	0,543583333	0,016142972	
27	RTPPPSG	Myelin basic protein	0,59385	0,100725725	
28	LRRAS	Red cell/liver pyruvate kinase	0,67305	0,180392355	
29	SSTGSIDMV	Microtubule-associated protein tau	0,546533333	0,048903073	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	0,542416667	0,085386741	
31	VGAFSTVKG	rhodopsin kinase	0,552733333	0,055347272	
32	YSGHMSMDP	pyruvate dehydrogenase E1	0,560366667	0,080475383	
33	SPGEYVNI	Insulin receptor substrate 1	0,617233333	0,048213317	
34	RKRSAKE	Histone H2B	0,858566667	0,164130813	
35	VINETSQHH	vimentin	0,658133333	0,072160265	
36	SPVVSQDTS	Microtubule-associated protein tau	0,570033333	0,038398792	
37	LRRFSLATM	Cytochrome P450 2B1	0,620983333	0,048654314	
38	PRPASVPPS	Glycogen [starch] synthase	0,668016667	0,05237589	
39	SSRPSSNRS	vimentin	0,60535	0,071591142	
40	TKFASDDEH	Lupus La protein	0,597366667	0,066176045	
41	LSDDSFIED	DNA topoisomerase II	0,7239	0,082043901	
42	PSPKTPPGS	Microtubule-associated protein tau	0,5911	0,003933404	
43	KDIGSESTE	Alpha-S1 casein	0,58605	0,051631692	
44	KRRGSVPIL	erythrocyte protein 4.2	0,69535	0,120033002	
45	KRAKAKAKKR	Myosin regulatory light chain 2	4,192416667	0,741054642	On
46	QSYSSQRV	Desmin	0,871083333	0,166583839	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	0,600083333	0,023262715	
48	KRSLSEMEI	Serum response factor	0,626983333	0,014428463	
49	KRKQGSVRGL	Glycogen phosphorylase	0,9333	0,172693751	
50	HTRDSEAQR	erythrocyte band 7	0,579433333	0,038306251	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,59835	0,067878801	
52	EEGISQESS	high mobility group protein	0,609216667	0,017676931	
53	EQQQTEDEL	Beta casein	0,598633333	0,052912275	
54	IGEGTYGVV	Cell division protein kinase 2	0,557216667	0,018401555	
55	MMPYVVTR	Stress-activated protein kinase JNK1	0,618333333	0,071842563	

56	PYKFPSSPLRIPGZ		0,614016667	0,045229606	
57	GQEVYVKKT	PTK receptor for angiotensin 1 (TEK)	0,57565	0,073106532	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,56295	0,056208362	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	0,672316667	0,034238437	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,553433333	0,065556367	
61	GRLSSMAMI	myosin light chain kinase	0,58895	0,056701896	
62	EEDLSDENI	transcription factor BAF1	0,584066667	0,053924273	
63	EPGPYAQPS	Proto-oncogene C-crk	0,548166667	0,043607059	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,6223	0,066741329	
65	SGADYPDEL	Trypsin I	0,611183333	0,048431813	
66	KQISVR	Glycogen phosphorylase	2,005883333	0,456817236	On
67	SLKDH	L-lactate dehydrogenase M	0,635616667	0,023324891	
68	APRTAGGRR	Myelin basic protein	0,594066667	0,029669185	
69	DGHEYIYVD	platelet-derived growth factor receptor	0,6375	0,055625669	
70	FKRSYEEHI	Insulin Receptor (IR)	0,63325	0,052752267	
71	REARSRAST	cAMP-dependent protein kinase II (PKA)	0,564966667	0,05704433	
72	DRVYVHPF	Angiotensinogen	0,6025	0,082761384	
73	VRRSDAA	Troponin I	0,62995	0,052756485	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	0,53395	0,025130194	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	0,622266667	0,034735772	
76	PRRASATSS	Glycogen [starch] synthase	0,62915	0,059031785	
77	RRLSI	phosphorylase b kinase alpha	0,940466667	0,030591947	On
78	STLSLSPFYL	Alpha crystallin B	0,657866667	0,025528067	
79	TRDIYETDY	Insulin Receptor (IR)	0,617133333	0,088897791	
80	VPTLSTFRT	Desmin	0,594633333	0,068092466	
81	RASTSKSES	40S ribosomal protein S6	0,62475	0,050064508	
82	SPSSSPTHE	phosphorylcholine transferase	0,61635	0,055539731	
83	STNDSLL	Beta-2 adrenergic receptor	0,722166667	0,049663825	
84	VRTFTHEVV	Cell division protein kinase 2	0,6848	0,091616565	
85	SRKMSVQEY	phosducin	0,624883333	0,05875153	
86	LSGLSFKRN	MARCKS-related protein	0,5842	0,015461619	
87	PTGTTQQRK	Kinesin-related motor protein Eg5	0,563666667	0,042030333	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	0,8282	0,144898591	
89	TPPKSPSSA	Microtubule-associated protein tau	0,623116667	0,055697013	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,637983333	0,05042576	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,687983333	0,051660887	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,544266667	0,008350782	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	0,586583333	0,063765486	
94	LSVSSLPGL	Glycogen [starch] synthase	0,708416667	0,012279138	On
95	SRHSSPHQS	Glycogen [starch] synthase	0,59445	0,068272286	
96	KKPPTPPPE	Large T antigen	0,597983333	0,049894227	
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	0,673683333	0,113419798	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	0,728716667	0,071343726	
99	ILDTTGQEE	K-Ras	0,613416667	0,043539529	
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,687233333	0,054413009	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,625633333	0,027485097	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	0,643766667	0,070852856	
103	IRRASTIEM	Cardiac phospholamban	0,6981	0,094056641	
104	NFDDYMKSL	Fatty acid-binding protein	0,6243	0,099588662	
105	PYKFPSSPLRIPGZ		0,6214	0,042472893	
106	GRTGRRNSI		1,098733333	0,076036727	On
107	ATPIYLDIL	TrkC tyrosine kinase	0,713166667	0,039420391	
108	DMRQTVAVG	elongation factor 1-alpha 1	0,705433333	0,054046929	
109	GDRFTDEEV	Myosin regulatory light chain 2	0,7664	0,184915418	
110	GSGSSVTSR	Desmin	0,592383333	0,10569636	
111	EEPQYEEIP	Middle T antigen	0,683966667	0,123648833	

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	0,748383333	0,09497614	
113	RRSSSRPIR	Protamine YI	0,721666667	0,015035089	On
114	SKIGSTENL	Microtubule-associated protein tau	0,6701	0,095060937	
115	NDMTSL	Tropomyosin 1 alpha	0,68785	0,093323979	
116	AARLSLTDP	platelet glycoprotein IB	0,6422	0,102425493	
117	ARRSTTDAG	Choriogonadotropin beta	0,625383333	0,028456526	
118	DLKDTKYKL	myosin II heavy chain	0,65905	0,111687533	
119	GAFSTVKGV	rhodopsin kinase	0,677983333	0,179040784	
120	RGRASSHSS	Lamin A/C	0,7317	0,082120836	
121	RKRSRAEF	Histone H2B	0,665916667	0,068222117	
122	LRAASLG	Red cell/liver pyruvate kinase	0,656883333	0,06145408	
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	0,75965	0,163773965	
124	SIDEYFSEQ	Interferon receptor	0,677783333	0,057967251	
125	EESESD	synaptic vesicle amine transporter	0,72595	0,065112556	
126	RRRS	Troponin I	0,659683333	0,080392997	
127	TAYGTRRHL	calponin alpha and beta	0,893666667	0,231121023	
128	TRRISQTSQ	ryanodine receptor	0,680533333	0,065555909	
129	VTPRTPPPS	Myelin basic protein	0,652	0,096432463	
130	REVSSLKSK	myosin heavy chain	0,6826	0,109329753	
131	PEETQTQD	HSP90-alpha	0,737533333	0,084344594	
132	KKQISVR	Glycogen phosphorylase	2,819266667	0,525896747	On
133	WLTKSPDGN	caldesmon	0,696183333	0,116873267	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	1,06085	0,133578367	On
135	PETVYEVAG	Cortactin	0,741666667	0,093754221	
136	QEPGSGPPE	somatostatin receptor type 3	0,62775	0,022318303	
137	SVSSSPIKE	transcriptional factor SWI5	0,6988	0,1255116	
138	TRLHSLRER	Sucrose synthase 1	0,644616667	0,047710522	
139	PKEVYDVML	TrkC tyrosine kinase	0,773933333	0,072497751	
140	PRTPGGRR	Myelin basic protein	0,65005	0,055589522	
141	KLSPSPSSR	Lamin B1	0,742833333	0,072756722	
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,929483333	0,070853903	On
143	QASSTPLSP	Lamin A/C	0,79215	0,086048504	
144	SRRDSLFP	Sodium channel protein type II alpha	0,80455	0,163378461	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	0,745216667	0,142347488	
146	LLQDSVDFS	vimentin	0,912466667	0,251968895	
147	QLSTSEENS	Alpha-S2 casein	0,677083333	0,084920711	
148	KIQASFRGH	neurogranin	1,8299	0,317118939	On
149	NKGASQAGM	calponin alpha and beta	0,691783333	0,107110491	
150	EIVESLSSS	Beta casein	0,63815	0,052661292	
151	ESSNYMAPY	platelet-derived growth factor receptor	0,6075	0,073216335	
152	KRPSKRAKA	Myelin basic protein	0,754366667	0,141052687	
153	NRAITARRQ	Troponin I	0,653666667	0,07055301	
154	PYKFPSSPLRIPGZ		0,625466667	0,10425605	
155	GSRPSESNG	Lens fiber major intrinsic protein	0,834933333	0,296985876	
156	DAHKSKRQH	transcription factor BAF1	0,653083333	0,042961035	
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	0,707016667	0,02526781	On
158	GGRDSRSGS	Myelin basic protein	0,617183333	0,074688066	
159	GVERSVRPT	phosphorylase b kinase alpha	0,616316667	0,054134236	
160	EGVKSDQAE	neurofilament triplet M	0,70145	0,011810447	On
161	ESLSSSEES	Beta casein	0,6313	0,079440586	
162	RVRMSADAM	Troponin I	0,639183333	0,032813674	
163	SNPTYSVMR	Middle T antigen	0,612883333	0,009402511	
164	SSKRAK	Myosin regulatory light chain 2	0,697666667	0,010020507	On
165	AGDGSDEEV	myosin heavy chain	0,616566667	0,062525106	
166	AVDRYIAIT	Beta-2 adrenergic receptor	0,684266667	0,014602873	On
167	DPLLTFRFP	Lamin A/C	0,6458	0,051762937	

168	GENIYIRHS	erythrocyte protein 4.1	0,819833333	0,130759399	
169	RLSPSPTSQ	Lamin C	0,65045	0,070867705	
170	RKESYSV	Histone H2B	0,664566667	0,072571945	
171	PLSRTL	Glycogen [starch] synthase	0,646066667	0,096132767	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	0,660333333	0,062535648	
173	SLSSSEESI	Beta casein	0,6626	0,075987905	
174	LRRASLAG	Red cell/liver pyruvate kinase	0,89455	0,227756562	
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	0,685766667	0,094376289	
176	THERSPSPS	phosphorylcholine transferase	0,615683333	0,083467452	
177	TVTRSYSRV	Lamin A/C	0,633266667	0,07151569	
178	YETDYRKG	Insulin Receptor (IR)	0,802266667	0,066324359	On
179	RKQISVRGL	Glycogen phosphorylase	0,758333333	0,039087004	On
180	AGTTYAL	myosin heavy chain IA (fragment)	0,64415	0,080026964	
181	LRRASVA	pyruvate kinase	0,782733333	0,163188911	
182	YRGYSLGNW	Lysozyme C	0,7006	0,088007699	
183	SSLKSRKRA	spermatid nuclear transition protein 1	1,225116667	0,276513171	On
184	PMRRSVSEA	hormone sensitive lipase	0,693683333	0,057909992	
185	RSKRSGSV	phosphorylase b kinase beta	0,777966667	0,094876519	
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,684533333	0,044483936	
187	TTPLSPTRL	Lamin B2	0,706133333	0,005596775	On
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	0,648133333	0,117804869	
189	VKRGISGL	Histone H4	0,83215	0,198204595	
190	KRKQISVRG	Glycogen phosphorylase	1,5249	0,19094772	On
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	0,738716667	0,13645086	
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	0,68845	0,093531064	
193	SRTLSVSSL	Glycogen [starch] synthase	0,703083333	0,021562558	On
194	KRPSEAKA	Myelin basic protein	0,9312	0,024480911	On
195	LRGRSFMNN	6-phosphofruktokinase	0,628833333	0,083642138	
196	QRVSSYRRT	Desmin	0,733816667	0,124679418	
197	HDLSEMFN	Prolactin	0,697083333	0,06296923	
198	KRPSRAKA	Myelin basic protein	2,102333333	0,652569328	On
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	0,656133333	0,14531165	
200	ENAPSSTSS	DNA topoisomerase II	0,608266667	0,025485464	
201	HMRSSMSGL	acetyl-CoA carboxylase	0,589716667	0,075016913	
202	LDRSSHAQR	Insulin Receptor (IR)	0,621183333	0,04152528	
203	PYKFPSSPLIPGZ		0,600183333	0,035866891	
204	GKEIYNTIR	Ras p21 activator protein	0,6097	0,055634582	
205	APATPGGRR	Myelin basic protein	0,64665	0,0741969	
206	DEEESSEAK	elongation factor 1-beta	0,61365	0,036929008	
207	FFKKSIST	glutamate receptor 6	0,9997	0,085918983	On
208	GMGTSVERA	pyruvate dehydrogenase E1	0,54875	0,086440162	
209	DYDSSDIED	cactus	0,6444	0,058194774	
210	EKRASQAF	stathmin	0,554	0,054076659	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,55535	0,061458007	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,604216667	0,034122362	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	0,610833333	0,052784567	
214	RRASI	pyruvate kinase	0,726216667	0,20748323	
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	0,548066667	0,055027574	
216	DDEMTGYVA	Mitogen-activated protein kinase p38	0,55595	0,091521509	
217	ETDYRKG	Insulin Receptor (IR)	0,564483333	0,025095628	
218	YVTTSTRTY	vimentin	0,581833333	0,075532513	
219	SPQPSRRGS	protein phosphatase 1	0,603716667	0,104620667	
220	RRAASVA	pyruvate kinase	0,578733333	0,048784088	
221	RPSENGQP	Lens fiber major intrinsic protein	0,587	0,02484673	
222	SASTTPVKK	Histone H1	0,585366667	0,030877968	
223	NSYGSRG	iron-responsive element binding protein	0,561066667	0,058300619	

224	LRRASL	pyruvate kinase	0,704316667	0,046067963	
225	SSTDSADSG	Early E1A	0,586816667	0,027763655	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	0,585383333	0,052098566	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,609333333	0,103296389	
228	YSFTTTAER	Actin	0,571216667	0,030038013	
229	SPFKYQSLL	Beta-2 adrenergic receptor	0,5651	0,046077778	
230	RKRSAAE	Histone H2B	0,66165	0,040936679	
231	VIKRSPRKR	transcriptional factor SWI6	1,31165	0,255218126	On
232	SPVKSPEAK	neurofilament triplet M	0,646683333	0,130987737	
233	LRRASVAQL	pyruvate kinase	0,622883333	0,05405248	
234	PRMPSLSVP	Sodium channel protein	0,58475	0,022085327	
235	SSPVYQDAV	Cortactin	0,642983333	0,023300298	
236	TKDTYDALH	T-cell surface glycoprotein CD3 zeta	0,616366667	0,118560859	
237	LRSPSWEPF	Heat Shock Protein 26	0,61705	0,071428857	
238	PSLPTPPTR	Microtubule-associated protein tau	0,60985	0,066866484	
239	KASASPRRK	Histone H3	2,613366667	0,358010112	On
240	KRRDYDLDA	Probable receptor with tyrosine-protein kinase activity	0,574433333	0,057730355	
241	PAPAVRASDRA	Troponin I	0,559866667	0,066567814	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,601283333	0,078100686	
243	KGQESFKKQ	Nucleophosmin	0,707066667	0,059511852	
244	KRSGSVYEP	phosphorylase b kinase beta	0,616233333	0,066315023	
245	KRAQISVRGL	Glycogen phosphorylase	0,9786	0,152084138	On
246	HSSQSQGGG	Lamin C	0,52495	0,061864543	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	0,564866667	0,057226281	
248	EEESSYSYE	RNA polymerase alpha	0,618783333	0,067807194	
249	EQPGSDEED	Ornithine decarboxylase	0,620366667	0,064423861	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,618883333	0,071394985	
251	MLDHSESTK	myelin	0,6707	0,108490007	
252	PYKFPSSPLRIPGZ		0,667433333	0,07816258	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	0,552366667	0,020613359	
254	AQDTYLVLD	Erythropoietin Receptor	0,596716667	0,020150531	
255	DIPESQMEE	Band 3 anion transport protein	0,613233333	0,049740331	
256	FPRASFGSR	Desmin	0,63125	0,035803235	
257	GRKASGSSP	myosin light chain kinase	0,624	0,051915364	
258	EDVGSDEEE	HSP90-alpha	0,710616667	0,066827344	
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	0,64965	0,111230219	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	0,634633333	0,056262855	
261	SFTTTAERE	Actin	0,572783333	0,050256829	
262	PLSRTL	glycogen synthase	0,592216667	0,074960882	
263	SGRGK	Histone H4	0,6021	0,065973492	
264	APRSPGGRR	Myelin basic protein	0,636716667	0,066078165	
265	DGERYDEDE	Glycogen [starch] synthase	0,699266667	0,104991725	
266	FKRPTLRRV	troponin I	0,88245	0,074565955	On
267	REAEYEPET	Cortactin	0,606816667	0,042037926	
268	DRVYIHPF	Angiotensinogen	0,601783333	0,045444294	
269	VRRISGL	Histone H4	0,557283333	0,05134865	
270	RRKGTDVNV	Annexin I	0,560216667	0,034914045	
271	SETKTEEEE	DNA topoisomerase II	0,650283333	0,053442201	
272	PQRATSNVF	Myosin regulatory light chain 2	0,66035	0,07547504	
273	RRGSV	pyruvate kinase or palladin	1,1303	0,300482165	
274	STSKSESSQ	40S ribosomal protein S6	0,577916667	0,039916837	
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	0,563316667	0,081069531	
276	VPRTPGGRR	Myelin basic protein	0,54385	0,050349495	
277	RASSRSVR	Lamin B0	0,590266667	0,029251363	
278	SPSSPASL	phosphorylcholine transferase	0,660383333	0,040447854	
279	RVYVHPF		0,784233333	0,141698473	

280	VRRVSDDDR	Tyrosine 3-monooxygenase	0,675	0,116662933	
281	SRKMSIQEY	phosducin	0,635283333	0,074773172	
282	LSGFDFKKS	myristolated alanine-rich C-kinase substrate	1,424333333	0,058977288	On
283	PSSTSSSSI	DNA topoisomerase II	0,6066	0,062160451	
284	STGIYEALE	Alpha enolase	0,769383333	0,05085801	On
285	TPPKSPSAS	Microtubule-associated protein tau	0,716166667	0,054123583	
286	LYSSSPGGA	vimentin	0,884533333	0,141659553	
287	PVPKSPVEE	neurofilament triplet M	0,731566667	0,100066789	
288	KKASFKAKK		2,107933333	0,223323601	On
289	KSPAKTPVK	Actin and myosin binding protein	1,364483333	0,259633717	On
290	PLSKTLSVSS	Glycogen [starch] synthase	0,668083333	0,100445685	
291	SRGKSSSYS	Fibrinogen alpha	0,718383333	0,114922701	
292	KKLGSKKPQ	Sodium channel protein type II alpha	2,4509	0,677597522	On
293	KTASTRKV	cystic fibrosis transmembrane conductance regulator	4,0592	0,76311626	On
294	PRRTRRAS	Protamine YII	0,827283333	0,14250723	
295	IHQRSRRL	Neutrophil cytosol factor 2	0,676966667	0,052409833	
296	NDALSGSGN	galectin-3	0,613433333	0,05810468	
297	EETQTQDQP	HSP90-alpha	0,658083333	0,072558831	
298	ERSQSRKDS	alpha-1B adrenergic receptor	0,620866667	0,052008979	
299	IRQASQAGP	synapsins	0,640333333	0,003164736	On
300	NFDDYMKEV	Fatty acid-binding protein	0,658216667	0,04020266	
301	PYKFPSSPLRIPGZ		0,570433333	0,090606349	
302	GRRQSLIQD	tyrosine 3-monooxygenase	0,844066667	0,145795178	
303	ASFEYTILD	Erythropoietin Receptor	0,700516667	0,107557925	
304	DLSTYASIN	Insulin receptor substrate 2	0,6961	0,109903283	
305	GDNDYIPL	platelet-derived growth factor receptor	0,65195	0,059018599	
306	GSESTEDQA	Alpha-S1 casein	0,6518	0,068389485	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	0,64205	0,018435699	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	0,6172	0,03033532	
309	RRRSRSRS	Lamin B receptor	0,798783333	0,047214093	On
310	SKIGSLDNI	Microtubule-associated protein tau	0,761816667	0,092168553	
311	NDITSL	Tropomyosin beta	0,7172	0,083560347	
312	AARGSFIDAS	rhodopsin kinase	0,64955	0,032957245	
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,6663	0,030254366	
314	DLFGSDEED	elongation factor 1-beta	0,698533333	0,056236766	
315	FSSRSYTSG	Keratin 8	0,652783333	0,046977589	
316	RGKSSSYSK	Fibrinogen alpha	2,216516667	1,111485643	
317	RKRSRAEA	Histone H2B	0,740883333	0,102521269	
318	LKRASLG	pyruvate kinase	0,681933333	0,040255959	
319	RRRPTPATL	Protein phosphatase inhibitor 1	0,666416667	0,091626582	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,729566667	0,054184935	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	0,83965	0,143009394	
322	RRRRASVA	pyruvate kinase	0,74145	0,124926325	
323	TATDYHTTS	Band 3 anion transport protein	0,830333333	0,118965782	
324	TRRASRPVR	Protamine YII	0,702316667	0,033719661	
325	VSSSYRRM	vimentin	0,67215	0,089811478	
326	REVSSLKKNK	myosin heavy chain	0,648416667	0,101239537	
327	LSYRRYSL		0,980566667	0,237864437	
328	KKKASVA	pyruvate kinase	1,327983333	0,216360357	On
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	1,313566667	0,207164799	On
330	SRRQSVLVK	glutamate receptor 6	3,550816667	0,310947655	On
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	0,8155	0,117340168	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	0,698533333	0,176531774	
333	SVPPSPSLS	Glycogen [starch] synthase	0,785966667	0,133317824	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	0,713966667	0,084988453	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	0,645283333	0,067675972	

336	KRKQISVR	Glycogen phosphorylase	1,867083333	0,179076177	On
337	KLRRSSSVG	Acetylcholine receptor protein delta	0,964116667	0,103672251	On
338	LDPLSEPED	Thyroid hormone receptor alpha	0,844066667	0,10523923	
339	QAGMTAPGT	calponin alpha and beta	0,7031	0,088917977	
340	SRRASRPVR	Protamine Z	0,694633333	0,096837229	
341	KPGFSPQPS		0,676583333	0,087559288	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	0,711683333	0,130488852	
343	QLNDSSEEE	E7 protein	0,721083333	0,022722615	On
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	0,629266667	0,048513183	
345	NIYISPLKS	Retinoblastoma-associated protein	0,62835	0,143475021	
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	0,652083333	0,055045804	
347	ESRISLPLP	vimentin	0,695466667	0,050668882	
348	KRPSIRAKA	Myelin basic protein	2,203033333	0,308724878	On
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,694716667	0,072326739	
350	PYKFPSSPLRIPGZ		0,626816667	0,104842154	
351	GSRGSGSSV	Desmin	0,6825	0,032978351	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	0,650783333	0,078582784	
353	DRRVVAAE	cAMP-dependent protein kinase II (PKA)	0,693933333	0,127379789	
354	GGRASDYKS	Myelin basic protein	0,708233333	0,08332475	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,7147	0,074318537	
356	EGTHSTKRG	Fibrinogen alpha	0,65725	0,082952667	
357	ESLESYEIN	Matrix Gla-protein	0,63645	0,065101421	
358	RVRKTKGKY	glutamate receptor 1	4,380766667	0,210929014	On
359	SNPEYLSAS	Insulin Receptor (IR)	0,770383333	0,071619322	
360	RRSTVA	Protamines Z1 and Z2	0,585183333	0,080910262	
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,616833333	0,08121712	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	0,608783333	0,094806437	
363	DPGVSYRTR	pyruvate dehydrogenase E1	0,65445	0,109102024	
364	GEINTEDDD	calsequestrin	0,640116667	0,094939914	
365	RLSISTESQ	phosphorylase b kinase alpha	0,91395	0,039474317	On
366	RKEISVR	Glycogen phosphorylase	1,474866667	0,161356011	On
367	PGSPQKR	Histone H2	0,6266	0,062652255	
368	RSGYSSPGS	Microtubule-associated protein tau	0,639116667	0,056893429	
369	SLRASTSKS	40S ribosomal protein S6	0,703733333	0,087807615	
370	VRKISGL	Histone H4	0,68	0,091314594	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	0,74415	0,095753703	
372	TGFLTEYVA	myelin	0,6794	0,077823872	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,688283333	0,115101552	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	0,732583333	0,143570478	
375	RKLKSQGTR	spermatid nuclear transition protein 2	0,59565	0,063707234	
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	0,618566667	0,063831449	
377	LRRASPG	pyruvate kinase	0,650683333	0,085177162	
378	YMAPYDNYV	platelet-derived growth factor receptor	0,748466667	0,068267029	
379	SSKAYGNGY	Beta-2 adrenergic receptor	0,708916667	0,097601412	
380	PLTPSGEAP	EGF Receptor	0,636233333	0,101373323	
381	RRRRPTPA	pyruvate kinase	1,12535	0,44797438	
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	0,709583333	0,068815506	
383	TSSSIFDI	DNA topoisomerase II	0,720216667	0,078733817	
384	PPSPSLSRH	Glycogen [starch] synthase	0,909883333	0,288378716	
385	SSKRAKAK	Myosin regulatory light chain 2	1,295416667	0,188135387	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	0,709266667	0,109591699	
387	LNRMSFASN	acetyl-CoA carboxylase	0,60995	0,100205597	
388	QRHGSKYLA	Myelin basic protein	0,6235	0,071400082	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	0,6406	0,08252543	
390	KRPSDRAKA	Myelin basic protein	1,1958	0,088779512	On
391	LRGPSWDPF	Heat Shock Protein 27	0,747283333	0,039384691	On

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,697866667	0,06618258	
393	HDALSGSGN	galectin-3	0,641533333	0,055541221	
394	KRPSQRAKY	Myelin basic protein	2,740266667	0,587325306	On
395	EDNEYTARE	Tyrosine-protein kinase Hck	0,649483333	0,047554921	
396	ENAFSPSRS	caldesmon	0,579033333	0,037516582	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	0,585283333	0,063270719	
398	LAYESHESM	Matrix Gla-protein	0,601366667	0,049916369	
399	PYKFPSSPLRIPGZ		0,581416667	0,066948367	
400	GHQGTVPSPD	Beta-2 adrenergic receptor	0,5518	0,069111697	
401	ANDEYFIRK	Acetylcholine receptor protein beta	0,681433333	0,051471308	
402	DEASTTVSK	Rhodopsin	0,5472	0,012624843	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,55225	0,034789821	
404	GLLRSWNDP	Prolactin	0,574983333	0,07250713	
405	DTVTSPQRA	Proto-oncogene tyrosine-protein kinase Src	0,6428	0,043450221	
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	0,529966667	0,063876187	
407	RRASTIEMP	Cardiac phospholamban	0,568516667	0,079144344	
408	SDEESNDDS	calsequestrin	0,600133333	0,081796804	
409	NVFSSPGGT	Actin and myosin binding protein	0,583633333	0,024599334	
410	RRASF	pyruvate kinase	0,746433333	0,200626395	
411	AKGGTVKAA	annexin IV	0,723066667	0,083310787	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	0,60205	0,057646957	
413	ETDDYAEII	Focal adhesion kinase	0,597766667	0,055975744	
414	YTTNPSKI	transcriptional factor SWI7	0,578516667	0,012868912	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,6901	0,086137139	
416	RKRTRKE	Histone H2B	0,880866667	0,142472116	
417	RPPGFTPFR		0,659366667	0,092934209	
418	SASGTPNKE	caldesmon	0,583266667	0,016577562	
419	NSVDTSSLS	Glycogen [starch] synthase	0,6423	0,115108999	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	0,698366667	0,20792793	
421	SSSSPSRR	Lamin B receptor	0,569366667	0,036640059	
422	TKSASFLKG	nodulin-26	0,76235	0,106579978	
423	VESLSSSEE	Beta casein	0,6043	0,085404811	
424	YRRNSVRFL	Neutrophil cytosol factor 3	0,742383333	0,075122359	
425	SPALTGDEA	Insulin receptor substrate 4	0,619283333	0,053393076	
426	RKQITVR	Glycogen phosphorylase	2,202766667	0,244878447	On
427	VHNRSKINL	HMG-CoA reductase	0,83245	0,057066058	On
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,578966667	0,06133072	
429	LRRASLGAF	pyruvate kinase	0,570733333	0,07696244	
430	PRKGSPRKG	Histone H2B.2	0,552866667	0,018321041	
431	SSPGSPGTP	Microtubule-associated protein tau	0,610883333	0,060400681	
432	TKAASEKKT	myelin	0,583066667	0,04806276	
433	LRRSSSVGY	Acetylcholine receptor protein delta	0,777716667	0,126348963	
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	0,585233333	0,061105433	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,598366667	0,049498894	
436	KRQSSTSNA	phosphorylase b kinase beta	0,538983333	0,046795554	
437	QKRPSQRSKYL	Myelin basic protein	1,874866667	0,465828533	On
438	QSPSSSPH	phosphorylcholine transferase	0,660833333	0,137203756	
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	0,690733333	0,101458861	
440	KRRSSSYHV	Sodium channel protein type II alpha	0,71015	0,071707124	
441	KAKQISVRGL	Glycogen phosphorylase	1,184316667	0,283499575	
442	HSIYSSDDD	Myb proto-oncogene protein	0,60245	0,024608637	
443	LVMQTAAGT	myosin light chain kinase	0,547216667	0,076486429	
444	EEELYLEPL	Tyrosine-protein kinase receptor	0,57985	0,028397652	
445	EQLSTSEEN	Alpha-S2 casein	0,567333333	0,076470717	
446	IDMESQERI	Transcription factor AP-1	0,662283333	0,100674246	
447	MILLSELSR	eukaryotic translation initiation factor 4F	0,6855	0,137229558	

448	PYKFPSSPLRIPGZ		0,668533333	0,014959408	On
449	GPAASAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,607016667	0,013507056	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	0,587416667	0,033507147	
451	DHSRSTKAA	myelin	0,612033333	0,067681415	
452	FPFHSPSRL	Alpha crystallin B	0,851216667	0,11496159	
453	GRILTLPRS	Insulin Receptor (IR)	0,619183333	0,097258216	
454	EDVGSDEED	Heat Shock Protein 90-beta	0,6696	0,092221915	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,642816667	0,035805524	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	0,566416667	0,092212665	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,582216667	0,079071806	
458	PGTESFVNA	Beta-2 adrenergic receptor	0,579283333	0,077447125	
459	SDEEV	Troponin T	0,588616667	0,06432088	
460	APQTPGGRR	Myelin basic protein	0,555833333	0,058137084	
461	DFPLSPPKK	stathmin	0,721733333	0,10280104	
462	FKAFSPKGS	Actin and myosin binding protein	1,434933333	0,19588353	On
463	RDSNYISKG	platelet-derived growth factor receptor	0,614633333	0,050191007	
464	DDEESESD	synaptic vesicle amine transporter	0,592283333	0,05643925	
465	VKRISGL	Histone H4	0,695833333	0,125311707	
466	RRKDYPALH		0,7524	0,070886494	
467	SEKKSGLG	myelin	0,645516667	0,118714906	
468	PPSAYGSVK	Annexin II	0,712066667	0,068098731	
469	RRFSV	pyruvate kinase	0,90235	0,092039095	On
470	STRRSVGRS	multidrug resistance protein 1	0,650333333	0,019290167	
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	0,572933333	0,109709878	
472	VNELSKDIG	Alpha-S1 casein	0,609983333	0,086004267	
473	RAGETRFTD	elongation factor 3	0,638533333	0,096904991	
474	SPSPSFRWP	phosphorylcholine transferase	0,6603	0,095539861	
475	RVSGSRR	Lamin C	0,679816667	0,088301088	
476	VRLRSSVPG	vimentin	0,6698	0,093593812	
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	0,597866667	0,053168887	
478	LSGFSFKKN	myristolated alanine-rich C-kinase substrate	1,0878	0,073478103	On
479	PSRRSRRS	Lamin B receptor	0,621416667	0,088129226	
480	STDYYREGP	TrkC tyrosine kinase	0,652033333	0,035125046	
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	0,7327	0,077438373	
482	LVVASAGPT	RNA polymerase alpha	0,65905	0,082838467	
483	PVPEYINQS	EGF Receptor	0,726666667	0,109297715	
484	KKAESPVKE	neurofilament triplet M	0,594966667	0,067042155	
485	KSLNYIDLD	Insulin receptor substrate 5	0,79025	0,146627015	
486	KRKQISVRGL	Glycogen phosphorylase	1,285966667	0,229286656	On
487	SRGDYMTMQ	Insulin receptor substrate 6	0,631783333	0,126194178	
488	KKKSGEDD	eukaryotic translation initiation factor 4F	0,587033333	0,011829788	
489	KTSPSSSPA	phosphorylcholine transferase	0,651016667	0,031091112	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	0,756683333	0,055340075	
491	IGSVSEDNS	acetyl-CoA carboxylase	0,654216667	0,046826992	
492	NAPVSALGE	Myb proto-oncogene protein	0,702383333	0,037905856	
493	EETPYSYPT	Paxillin	0,733516667	0,101236278	
494	ERSPSPSFR	phosphorylcholine transferase	0,753116667	0,114490177	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	0,734333333	0,018012511	On
496	NEEESYSY	RNA polymerase alpha	0,7278	0,104164557	
497	PYKFPSSPLRIPGZ		0,6606	0,073768704	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,949433333	0,126312986	On
499	ASATSSSGG	Glycogen [starch] synthase	0,671183333	0,095804926	
500	DLPMPSPRTL	Signal Transducer and Activator of Transcription 3	0,68015	0,108972038	
501	GDLQSAEFH	Cystatin	0,74345	0,141634553	
502	GSEEMYNMD	Insulin receptor substrate 3	0,728	0,054960001	
503	EENTYDEYE	Cortactin	0,755866667	0,109763088	

504	ERRKSHEAE	stathmin	0,596583333	0,05059042	
505	RRRVTSATR	glial fibrillary acidic protein	0,7287	0,058952707	
506	SKDSSKRGR	myelin	0,717966667	0,042870665	
507	MSVEEV	eukaryotic translation initiation factor 4E	0,742216667	0,066640232	
508	AALESEDED	eukaryotic translation initiation factor 4F	0,876966667	0,125944706	
509	ARKSTRRSI	pleckstrin	1,008666667	0,058892789	On
510	DLFGSDDEE	elongation factor 1-beta	0,842483333	0,097463124	
511	FRRLSISTE	phosphorylase b kinase alpha	0,906616667	0,209732982	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	0,69315	0,099651551	
513	RKISASEF		0,705083333	0,051644624	
514	LHRASLG	pyruvate kinase	0,694533333	0,111786741	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,7085	0,039437355	
516	SGYSSPGSP		0,7149	0,074108378	
517	LGEGTP	Calgranulin B	0,702883333	0,111134021	
518	RRLSSLRA	40S ribosomal protein S6	0,676283333	0,08753095	
519	TAESSQAE	Neuromodulin	0,62955	0,109543576	
520	TRRASFSAQ	Regulatory protein ADR1	1,109116667	0,171109236	On
521	VSRTSAVPT	Desmin	0,701516667	0,019743114	On
522	REQLSTSEE	Alpha-S2 casein	0,7237	0,077072185	
523	LSYRGYSL		0,6968	0,06980302	
524	KASGSSP		0,689066667	0,074814797	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	0,64185	0,090345863	
526	SRRPSYRKI	cAMP response element binding protein	0,993	0,118569227	On
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	0,909916667	0,143413809	
528	QEGDTDAGL		0,721433333	0,108283658	
529	SVFSSPSAS	caldesmon	0,817066667	0,181414196	
530	TRKISQTAQ	ryanodine receptor	0,854133333	0,147403665	
531	PINGSPRTP	Retinoblastoma-associated protein	0,712883333	0,095750451	
532	KQISVRGL	Glycogen phosphorylase	1,16255	0,18638365	On
533	KLINSIADT	Serine/threonine-protein kinase STE7	0,763266667	0,106742504	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	0,959533333	0,232896301	
535	PYDNYVPSA	platelet-derived growth factor receptor	0,79725	0,141137173	
536	SRQLSSGVS	Heat Shock Protein 27	0,730733333	0,080583128	
537	KNIVTPRTP	Myelin basic protein	0,67255	0,072539277	
538	LKLASPELE	Transcription factor AP-2	0,748233333	0,109062133	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,697733333	0,101498706	
540	IVYKSPVVS		0,69535	0,024789144	On
541	NGYISAAEL	Calmodulin	0,625816667	0,115891446	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	0,583183333	0,044683747	
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,627233333	0,07011781	
544	KRPSHRAKA	Myelin basic protein	0,7014	0,023639621	On
545	NNYVYIDPT	Mast/stem cell growth factor receptor	0,641166667	0,016006058	
546	PYKFPSSPLRIPGZ		0,678716667	0,098128405	
547	GSPRTPRRG	Retinoblastoma-associated protein	0,738733333	0,07210836	
548	DADEYLIPQ	EGF Receptor	0,652966667	0,091147951	
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	0,651683333	0,073765465	
550	GGLTSPGLS	Keratin 8	0,721916667	0,171152107	
551	GTVPSDNID	Beta-2 adrenergic receptor	0,65855	0,051556636	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,656	0,085183811	
553	ESIISQETY	Alpha-S2 casein	0,705983333	0,140048553	
554	RVRKSKGKY	glutamate receptor 2	3,804266667	0,474881674	On
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	0,7202	0,066652719	
556	RRPTVA	Protein phosphatase inhibitor 2	0,5925	0,090061007	
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	0,670283333	0,094114525	
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,62955	0,117002329	
559	DPGTSYRTR	pyruvate dehydrogenase E1	0,64665	0,024301886	

560	GEGTYGVVY	cell division control protein 2	0,691316667	0,084421574	
561	RLRLSPSPT	Lamin C	0,695616667	0,095666995	
562	RKASRKE	Histone H2B	0,692866667	0,077246406	
563	LRRWSLG	pyruvate kinase	0,669583333	0,094493257	
564	RRVTSATRR	glial fibrillary acidic protein	0,62905	0,04065163	
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,6954	0,081127842	
566	RRATPA	pyruvate kinase	0,620983333	0,048852317	
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	0,738333333	0,055267928	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,680566667	0,050488437	
569	TVSKTETSQ	Rhodopsin	0,648166667	0,071384316	
570	WSDTQGDE	14-3-3 protein zeta	0,62895	0,047653401	
571	RKFSSARPE	Sodium channel protein	0,65225	0,035859099	
572	KKKKASVA	pyruvate kinase	1,388933333	0,312516139	On
573	LRRASLG	pyruvate kinase	0,865266667	0,278630413	
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	1,6409	0,14138381	On
575	SSEITTKDL	Prothymosin	0,708433333	0,119467194	
576	PLSRTLVS	glycogen synthase	0,646916667	0,034863695	
577	LRRASLRG	pyruvate kinase	0,677433333	0,059209295	
578	TEGQYELQP	Tyrosine-protein kinase Blk	0,657283333	0,096029391	
579	TSPSSPAS	phosphorylcholine transferase	0,705383333	0,047379678	
580	PPSAYGSVK	Annexin II	0,717033333	0,073196224	
581	RTKRSGSV	phosphorylase b kinase beta	0,862983333	0,233824127	
582	KRFGSKAHM	nitric-oxide synthase	2,5895	0,18967901	On
583	LNDSEEEED	E7 protein	0,750783333	0,114528456	
584	QRATSNVFA	Myosin regulatory light chain 3	0,683516667	0,066263493	
585	SRSRTPSLP		0,689	0,073059371	
586	KRPSARAKA	Myelin basic protein	2,301066667	0,40627651	On
587	LRAPSWIDT	Alpha crystallin B	0,752016667	0,04841049	On
588	QRRTSVSGE	cAMP-dependent protein kinase	0,869383333	0,157380358	
589	HATPSPVD	Myb proto-oncogene protein	0,6179	0,052677146	
590	KRPSQRAKA	Myelin basic protein	3,084983333	0,59121239	On
591	EDAESEDEE	Nucleophosmin	0,649516667	0,095604187	
592	ENAEYLRVA	EGF Receptor	0,556566667	0,050245636	
593	HKRKSSQAL	Transforming protein erbA	0,554916667	0,057995838	
594	LAYESHESL	Matrix Gla-protein	0,59385	0,082171893	
595	PYKFPSSPLIPGZ		0,621833333	0,046176551	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,59825	0,093668493	
597	ALRPSTSRS	vimentin	0,631283333	0,095022053	
598	DEAATKTQT	myosin II heavy chain	0,572683333	0,046987167	
599	FARKSTRRS	pleckstrin	0,574266667	0,059626076	
600	GLGESRKDK	myelin	0,57445	0,034015511	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	0,546483333	0,02897799	
602	EKESSNDST	muscarinic acetylcholine receptor M2	0,571083333	0,061610339	
603	RRAISGDLT	dihydropyridine-sensitive calcium channel	0,573683333	0,057893729	
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,567466667	0,053531709	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	0,558466667	0,046020581	
606	RASLG		0,53475	0,069702559	
607	AKDASKRGR	myelin	0,94505	0,120976038	On
608	DDEASTTVS	Rhodopsin	0,576533333	0,072100189	
609	ETAESSQAE	Neuromodulin	0,529783333	0,068228346	
610	YTRFSLARQ	Transferrin receptor protein 1	0,5417	0,008560374	
611	SPKQSPSSS	phosphorylcholine transferase	0,604033333	0,07896584	
612	RKRSRKE	Histone H2B	0,6442	0,052982702	
613	RPPGFSPFR		0,548233333	0,018991241	
614	SARVYENVG	Protein-tyrosine phosphatase 3	0,586366667	0,054801799	
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	0,597616667	0,089211363	

616	KGYSLG	Lysozyme C	0,609516667	0,032264437	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,5374	0,030298872	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	0,709883333	0,0698455	
619	VEPLTPSGE	EGF Receptor	0,559783333	0,038206835	
620	YRLPSNVQ	Alpha crystallin A	0,581333333	0,055360174	
621	SPAISIHEI	phosphorylase b kinase alpha	0,644566667	0,014361774	
622	RKQISVR	Glycogen phosphorylase	0,892233333	0,092486047	On
623	VGWPTVRER	Nef	0,6013	0,049401687	
624	QTYRSFHD	cGMP-dependent protein kinase (PKG)	0,602833333	0,079290409	
625	LRRASLGAA	pyruvate kinase	0,65955	0,094065615	
626	PRKGSPPRG	Histone H2B.2	0,6005	0,054261696	
627	SSPASLSRA	phosphorylcholine transferase	0,560166667	0,050489047	
628	TKAASEKKS	myelin	0,5986	0,081028277	
629	LRRPSDQEV	c-Rel proto-oncogene protein	0,62555	0,087344729	
630	PSAPSPQPK	Tyrosine 3-monooxygenase	0,569366667	0,012496488	
631	KAKVTGRWK	troponin T	2,64545	0,090793842	On
632	KRPTQRAKY	Myelin basic protein	0,619916667	0,090163789	
633	PLSRTLVRSL	Glycogen [starch] synthase	0,562316667	0,037005548	
634	QSPGSPLEE	Neutrophil cytosol factor 5	0,617366667	0,058244461	
635	KGGYSQAA	HLA class I histocompatibility antigen B7	0,599983333	0,076484991	
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	0,521633333	0,074606683	
637	KAQISVRGL	Glycogen phosphorylase	0,712566667	0,112267132	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	0,6124	0,062178614	
639	LSGFSPKKN	myristolated alanine-rich C-kinase substrate	1,06845	0,112005945	On
640	EEEEYMPME	Middle T antigen	0,577983333	0,088552521	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	0,551383333	0,010170573	
642	IDKISRIGF	glycine receptor alpha	0,617016667	0,057069933	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	0,571933333	0,032612787	
644	PYKFPSSPLRIPGZ		0,66125	0,039245658	
645	GNHTYQEIA	Paxillin	0,6084	0,065315401	
646	APVASPAAP	synapsins IA and IB	0,596466667	0,042841206	
647	DGNNSEDES	calsequestrin	0,593533333	0,076739922	
648	FMTEYVVTR	mitogen-activated protein kinase MSK7	0,71235	0,128312126	
649	GRGLSLSRF	Myelin basic protein	0,581166667	0,063196945	
650	EDTLSDSDD	N-myc proto-oncogene protein	0,631933333	0,060950763	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,633383333	0,047683546	
652	RRPTSPVSR	Early E1A	0,625766667	0,055544012	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,61355	0,061275457	
654	QKRPSQRSK	Myelin basic protein	0,69785	0,068192241	
655	SDEEH	initiation factor 5A	0,609933333	0,042509496	
656	APLTPGGRR	Myelin basic protein	0,5893	0,054461102	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,593166667	0,051464961	
658	FGSRSLYGL	keratin, type II	0,66935	0,060890489	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,65115	0,032720814	
660	AVRRSDRA	Troponin I	0,567366667	0,059303771	
661	VKRGSGL	Histone H4	0,608716667	0,01709095	
662	RRKDTPALH		0,557216667	0,033677647	
663	SEITTKDLK	Prothymosin	0,566716667	0,024193881	
664	PNVSYIASR	protein kinase shaggy	0,708516667	0,084574724	
665	RRDSV	pyruvate kinase	0,912033333	0,160711348	
666	STRRSIRLP	pleckstrin	0,74215	0,08916009	
667	TPQVSDTMR	glycogenin	0,589533333	0,016522779	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	0,610883333	0,063984651	
669	RAAHSIKGG	Chemotaxis protein cheA	0,543483333	0,03513157	
670	SPSLSRHSS	Glycogen [starch] synthase	0,635416667	0,055594279	
671	RTPPPSG	Myelin basic protein	0,591916667	0,040437242	

672	VRKRTLRL	EGF Receptor	0,665683333	0,076080378	
673	SRKSGFGH	gap junction beta-1 protein	0,828516667	0,127141557	
674	LSGESDLEI	DNA topoisomerase II	0,715766667	0,057319519	
675	PSQRSKYLA	Myelin basic protein	0,602916667	0,053232671	
676	STDEYLDLS	Receptor tyrosine kinase	0,72855	0,033506218	On
677	TNHIYNLA	Mast/stem cell growth factor receptor	0,67355	0,028219763	
678	LSRHSSPHQ	Glycogen [starch] synthase	0,637333333	0,037063287	
679	PTRHSRVAE	Lamin	0,65925	0,082876806	
680	KISITSRKA	GTP-binding protein era	1,6336	0,298086978	On
681	KSKISASRK	troponin I	2,368383333	0,863770449	On
682	KRKQISVGG	Glycogen phosphorylase	1,241733333	0,375905745	
683	SRALSRQLS	Heat Shock Protein 27	0,710333333	0,130466658	
684	KKKFSFKKP	MARCKS-related protein	1,88445	0,211636119	On
685	KTRSSRAGL	Histone H2A	0,7134	0,096760452	
686	PAPGSPEPP	Early E1A	0,684366667	0,121553619	
687	IGSESTEDQ	Alpha-S1 casein	0,63735	0,060949337	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	0,8879	0,113170292	On
689	EEQEYVQTV	Annexin I	0,699633333	0,091235723	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,76885	0,139014861	
691	IREESPPHS	Glycoprotein IV	0,684766667	0,080033122	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	0,679683333	0,04844826	
693	PYKFPSSPLRIPGZ		0,659933333	0,117239245	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	1,00035	0,145135643	On
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	0,707466667	0,051864605	
696	DLPLPSAF	tristetraproline	0,746983333	0,105734655	
697	GDKKSKKAK	Na+/K+ ATPase 1	0,92565	0,313752548	
698	GSDVSFNEE	DNA topoisomerase II	0,770333333	0,049713485	On
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	0,6753	0,13708746	
700	ERQKTQTKL	myosin light chain kinase	0,6186	0,092115905	
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	0,764566667	0,077226661	
702	SKAGSLGNI		0,72395	0,113212131	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,683916667	0,136104031	
704	AAATTPAAE	neuromodulin	0,670066667	0,093227342	
705	ARKKSSAQL	ras-related protein rap-1b	0,759033333	0,079600925	
706	DKVTSPTKV	caldesmon	0,642816667	0,116418185	
707	FRRFTPDSL	Sodium channel protein	0,70435	0,13260274	
708	RFTDTRKDE	elongation factor 4	0,6992	0,072177016	
709	RKISASEA		0,641816667	0,114148371	
710	LARASLG	pyruvate kinase	0,720733333	0,061395607	
711	RRRLSSLRA	40S ribosomal protein S6	0,76525	0,054011125	On
712	SGYISSLEY	Complement C1r	0,869483333	0,139724779	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	0,659783333	0,135444431	
714	TIAVG	Photosystem Q(A)	0,732533333	0,155542713	
715	TADISEDEE	phosphorylcholine transferase	0,704583333	0,075347355	
716	TRQTSVSGQ	synapsins IA and IB	0,709966667	0,092731353	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	0,828283333	0,100165832	
718	REQESSGEE	Protein phosphatase inhibitor 2	0,7066	0,095127625	
719	GTKRSGSV	phosphorylase b kinase beta	0,740866667	0,127369308	
720	NRLQTMKEE	Lamin C	0,635166667	0,101402707	
721	VVELSGESD	DNA topoisomerase II	0,7679	0,111676385	
722	SRRPSRATW	Vitronectin	0,88415	0,035476847	On
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,694	0,103788399	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	0,722666667	0,167451338	
725	STTVSKTET	Rhodopsin	0,7431	0,138628574	
726	TRKISASEF		0,77535	0,126448863	
727	PGPQSPGSP	Neutrophil cytosol factor 4	0,65135	0,104432809	

728	KQGSGRGL	Glycogen phosphorylase	0,672066667	0,101655319	
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	3,393466667	0,411145995	On
730	LASSSKEEN	Cystatin S	0,768183333	0,076792549	
731	PLRRTLVA	glycogen synthase	0,73075	0,13392002	
732	SRPSSNRSY	vimentin	0,81635	0,149214962	
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	1,604333333	0,257662513	On
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	0,88445	0,164703132	
735	QKAQTERKS	troponin T	0,6983	0,051958269	
736	ISTESQPNG	phosphorylase b kinase alpha	0,670966667	0,053210624	
737	NGNNYVYID	Mast/stem cell growth factor receptor	0,6919	0,049569261	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	0,72835	0,087787841	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	0,678966667	0,046564298	
740	KRKSSQALV	Transforming protein erbA	0,944683333	0,093948003	On
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	0,640566667	0,037614034	
742	PYKFPSSPLRIPGZ		0,643016667	0,015653825	
743	GSPGTPGSR		0,633833333	0,049864923	
744	AVVRTPPKS		1,094633333	0,231649147	
745	DRKLSTKEA	multidrug resistance protein 2	0,626866667	0,155064945	
746	GGIRSLNVA	isocitrate dehydrogenase	0,708233333	0,107787138	
747	GTRLRLARM	glial fibrillary acidic protein	0,6715	0,10698267	
748	EGNKSPAPK	Actin and myosin binding protein	0,61565	0,099640613	
749	ESHESMESY	Matrix Gla-protein	0,657766667	0,112202127	
750	RVRISADAM	Troponin I	0,585716667	0,066657049	
751	SNDDSDDDD	casequestrin	0,65985	0,055735491	
752	RRPTPA	Protein phosphatase inhibitor 3	0,6069	0,06767172	
753	AEGSSNVFS	Myosin regulatory light chain 2	0,613633333	0,073311645	
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	0,66585	0,102832639	
755	DNPDYQQDF	EGF Receptor	0,615366667	0,077340646	
756	GDVKYADIE	platelet-derived growth factor receptor	0,660583333	0,093397041	
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	0,663083333	0,067725701	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	2,587233333	0,431730057	On
759	LRRPSLG	pyruvate kinase	0,827933333	0,191624047	
760	RRVRSQEPG	somatostatin receptor type 4	0,65495	0,052554083	
761	SLDDSGSAM	alpha-1B adrenergic receptor	0,619	0,123996579	
762	RRASVA	pyruvate kinase	0,7797	0,184668988	
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	0,643083333	0,080650174	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,669966667	0,046492694	
765	TVKSSKGGP	Annexin I	0,6844	0,069995083	
766	WTSDSAGEE	14-3-3 protein tau	0,689083333	0,07337835	
767	RKAASVIAK	DNA polymerase beta	1,454433333	0,279323326	On
768	LRRASLDG	pyruvate kinase	0,732533333	0,191777503	
769	LRRASGG	pyruvate kinase	0,667233333	0,071941658	
770	YHTTSHPGT	Band 3 anion transport protein	0,672816667	0,041587605	
771	SSEESITRI	Beta casein	0,6543	0,044628317	
772	PLAGSPVIA	casein kinase II	0,675616667	0,052638537	
773	LGSPLRRR	vimentin	0,6213	0,067978023	
774	TEDQYSLVE	PI3-kinase p85-alpha	0,708183333	0,066427709	
775	TRTYSLGSA	vimentin	0,619566667	0,06991848	
776	PPSAYATVK	Annexin II	0,630166667	0,059707961	
777	RTKRSGSV	phosphorylase b kinase beta	0,7922	0,098454126	
778	KREASLDNQ	Phytochrome A	0,624733333	0,021516092	
779	LMDKYHVDN	Early E2A	0,651033333	0,097389907	
780	QQGMTVYGL	calponin alpha and beta	0,659816667	0,11459497	
781	SRSRSRSRS	Lamin B receptor	0,690933333	0,062581445	
782	KRNSSPPPS		0,592516667	0,06351289	
783	LQRYSSDPT	EGF Receptor	0,643516667	0,011514218	

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	0,859183333	0,171579041	
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,569966667	0,081405061	
786	KRPSNRAKA	Myelin basic protein	1,54345	0,072849171	On
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,537666667	0,025174105	
788	EMTGYVATR	Mitogen-activated protein kinase p38	0,524233333	0,066949251	
789	HKIKSGAEA	DNA polymerase beta	0,5622	0,055296157	
790	LARRSTTDA	Choriogonadotropin beta	0,6058	0,069766265	
791	PYKFPSSPLRIPGZ		0,556016667	0,069434313	
792	GGTGTPNKE	Actin and myosin binding protein	0,51975	0,024957197	
793	ALGISYGRK	TAT protein	1,11125	0,230686989	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	0,554233333	0,035643193	
795	EYVQTVKSS	Annexin I	0,602016667	0,074423454	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,683083333	0,096762031	
797	DSTYYKASK	Focal adhesion kinase	0,61915	0,065300089	
798	EKEISDDEA	Heat Shock Protein 90-beta	0,597533333	0,129259702	
799	RRADSLQKN	iron-responsive element binding protein	0,541816667	0,028688161	
800	SAYGSVKAY	Annexin II	0,60015	0,041661913	
801	NTSSSPQPK	p53	0,623816667	0,035628484	
802	GSRRR	protamine	0,732783333	0,016082098	On
803	AKAKTTKKR	Myosin regulatory light chain 2	3,89925	0,625636413	On
804	DDAYSDET	Protein phosphatase inhibitor 2	0,703516667	0,074805329	
805	ESVDYVPM	platelet-derived growth factor receptor	0,584733333	0,049835401	
806	YSTDYREG	TrkC tyrosine kinase	0,620616667	0,044853267	
807	SPKKSPRKA	Histone H4	1,878466667	0,579896043	On
808	RKRSRKA	Histone H2B	0,92585	0,059184626	On
809	RPPASPSQ	synapsins IA and IB	0,7018	0,073248936	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	0,695266667	0,10990854	
811	NRQSSQARV	Phytochrome A	0,620166667	0,055962701	
812	KEAKSD	Nonhistone chromosomal protein HMG-14	0,620066667	0,029048073	
813	SSSNTIRRP	fructose-2,6-bisphosphatase	0,52325	0,020230711	
814	TKKQSFQKT	cystic fibrosis transmembrane conductance regulator	1,432933333	0,094250078	On
815	VDSAYEVIK	L-lactate dehydrogenase M	0,754933333	0,067955038	
816	YRKSSLKSR	spermatid nuclear transition protein 3	3,794416667	0,507312767	On
817	SNVSSTGSI		0,709033333	0,099024781	
818	RARSRKE	Histone H2B	0,64645	0,045381549	
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	0,537983333	0,069930517	
820	QTVKSSKGG	Annexin I	0,542883333	0,021556605	
821	LRMFSFKAP	Gamma-aminobutyric-acid receptor gamma-2	0,65905	0,083529067	
822	PRHLSNVSS		0,594816667	0,072370578	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	0,694866667	0,099192576	
824	THYGSLPQK	Myelin basic protein	0,547733333	0,04939017	
825	LRRPSDQAV	Transforming protein rel	0,6056	0,069702092	
826	PRRNSRASL	Sodium channel protein type II alpha	0,561733333	0,061737027	
827	KAKTTKKRP	Myosin regulatory light chain 2	2,443516667	0,603450924	On
828	KRPSGRAKA	Myelin basic protein	0,628366667	0,04378916	
829	PLSKTSLVSSL	Glycogen [starch] synthase	0,610133333	0,073332193	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	0,586183333	0,066064266	
831	KGATSDEED	DNA topoisomerase II	0,59435	0,058983444	
832	KRRNSEFEI	tryptophan 5-monooxygenase	0,670233333	0,087188879	
833	LTRRASFSAQ	Regulatory protein ADR1	0,705783333	0,175856273	
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,574316667	0,030616372	
835	LRRFSLATM	Cytochrome P450 2B1	0,656533333	0,139758568	
836	EEEAYGWMD	Gastrin	0,6594	0,103631615	
837	EQESSGEED	Protein phosphatase inhibitor 2	0,5944	0,057253573	
838	IAADSEAEQ	Insulin receptor substrate 7	0,575316667	0,038463756	
839	MGEASGAQL	Beta-2 adrenergic receptor	0,624616667	0,117786532	

840	PYKFPSSPLRIPGZ		0,604016667	0,046060057	
841	GNGDYMPMS	Insulin receptor substrate 8	0,581616667	0,04493915	
842	APRYPGGRR	Myelin basic protein	0,577216667	0,034434487	
843	DGNKSPAPK	caldesmon	0,54865	0,069243134	
844	FMTEYVATR	mitogen-activated protein kinase	0,6089	0,055278447	
845	GRASSHSSQ	Lamin C	0,596533333	0,037617401	
846	EDSTYYKAS	Focal adhesion kinase	0,661666667	0,13860801	
847	ENPQYFRQG	TrkC tyrosine kinase	0,646866667	0,025413656	
848	RRPTPATVA	Protein phosphatase inhibitor 4	0,61395	0,195205674	
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	0,566533333	0,069544546	
850	QEKESERLA	Beta-2 adrenergic receptor	0,56315	0,032228326	
851	RRVSV	pyruvate kinase	0,630566667	0,066981594	
852	APFTPGGRR	Myelin basic protein	0,577216667	0,078588934	
853	DEKLSEILG	RNA polymerase alpha	0,648983333	0,060928706	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotran	0,65525	0,038292319	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	1,225933333	0,979098766	
856	AVRRSDAA	Troponin I	0,6129	0,071468909	
857	TKRSGSV	phosphorylase b kinase beta	0,672616667	0,040254386	
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,583716667	0,061164564	
859	SEGDSSEGE	Serum response factor	0,568683333	0,064592316	
860	PLDRSSHAQ	Insulin Receptor (IR)	0,610883333	0,074625469	
861	RRASS	pyruvate kinase	0,683733333	0,110036587	
862	STPLSPTRI	Lamin A/C	0,586516667	0,092338375	
863	TPPLSPSRR	Myc proto-oncogene protein	0,614766667	0,121637935	
864	VKRISGLIY	Histone H4	0,765516667	0,147471705	
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	0,572933333	0,060658997	
866	SPRTPGGRR	Myelin basic protein	0,6089	0,058785727	
867	RRRRSVA	pyruvate kinase	0,69725	0,094836421	
868	VRFESIRLP	Choriogonadotropin beta	0,677966667	0,051746922	
869	SRKESYSVY	Histone H2B	0,686133333	0,070329016	
870	LSELSRRRI	eukaryotic translation initiation factor 4F	0,5627	0,053600249	
871	PSPSSRVTV	Lamin B1	0,627616667	0,067494819	
872	SSVPTPSPL	casein kinase II	0,5555	0,06611369	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	0,61635	0,040997378	
874	LSRFSWGAE	Myelin basic protein	0,649016667	0,025080349	
875	PTKRSPTKR	Histone H2B.1	0,604033333	0,104826876	
876	KISASRLQ	troponin I	1,567833333	0,217617008	On
877	KSFGSPNRI	cell division protein kinase 7	0,73425	0,141148616	
878	KRKQISVAGL	Glycogen phosphorylase	0,996516667	0,107036881	On
879	SQHSTPPKK	Large T antigen	0,5748	0,058333395	
880	KKIDSFASN	acetyl-CoA carboxylase	0,525816667	0,044143409	
881	KTETSQVAP	Rhodopsin	0,549933333	0,060284773	
882	PAAPSPGSS	synapsins IA and IB	0,619833333	0,059380936	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,707316667	0,089504137	
884	MQLKSEIKQ	phosphorylase b kinase alpha	0,6643	0,086072034	
885	EEQEYIKTV	Annexin I	0,681083333	0,079591879	
886	ERRPSNVSQ	Sodium channel protein type II alpha	0,728516667	0,149925439	
887	IPHPTVRT	Retinoblastoma-associated protein	0,678783333	0,075387414	
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,64895	0,124456365	
889	PYKFPSSPLRIPGZ		0,642616667	0,142584369	
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	0,650766667	0,031131772	
891	ARTKRSGSV	phosphorylase b kinase beta	0,909583333	0,159902847	
892	DLPGTEDFV	Beta-2 adrenergic receptor	0,721	0,068146069	
893	GALYSGSEG	Serum response factor	0,672916667	0,042520864	
894	GRVLTLP RS	Insulin Receptor (IR)	0,681416667	0,129233834	
895	EKESNSDS	muscarinic acetylcholine receptor M2	0,68475	0,062135551	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	0,676166667	0,123311025	
897	RRRRSRRAS	Protamine Z	0,641166667	0,143153335	
898	SIYSSDDDE	Myb proto-oncogene protein	0,7979	0,146678566	
899	HGYSLG	Lysozyme C	0,70955	0,060496295	
900	AAASFKAQR		0,84455	0,149522914	
901	ARKFSSARP	Sodium channel protein	0,68835	0,070667814	
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	0,670033333	0,143237683	
903	FRKLSFTES		0,699983333	0,154055106	
904	RFHKSSKDS	myelin	0,651733333	0,056485829	
905	RAKRSGSV	phosphorylase b kinase beta	0,740316667	0,122318991	
906	KSESSQK	40S ribosomal protein S6	0,701816667	0,095360547	
907	RRRLSDSNF	synapsins	0,740283333	0,138169306	
908	SGKTSPSSS	phosphorylcholine transferase	0,6705	0,053332307	
909	KSRRTI	Interleukin-2 receptor alpha	0,7284	0,089997954	
910	TAILE	Photosystem Q(B)	0,690983333	0,083398984	
911	SYPLSPLSD	Cytosolic phospholipase A2	0,757266667	0,120331669	
912	TRQASQAGP	synapsins IA and IB	0,677566667	0,050779414	
913	VRVYTHEVV	cell division control protein 2	0,751	0,060109941	
914	RENEYMPMA	Middle T antigen	0,666466667	0,082058275	
915	GRGLSLSR	Myelin basic protein	0,64705	0,103768806	
916	YIYGSFK		0,6841	0,095634783	
917	VTRSSAVRL	vimentin	0,78885	0,094071356	
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	0,703083333	0,069618895	
919	PASPSPQRQ	synapsins IA and IB	0,711783333	0,112482031	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran:	0,749766667	0,103376128	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,770466667	0,142651746	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	0,8202	0,15589744	
923	PGGSTPVSS	casein kinase II	0,705883333	0,091993735	
924	QGTLKIFK	Myelin basic protein	0,81745	0,133431805	
925	KKRLSVERI	DNA topoisomerase II alpha	1,717916667	0,339794478	On
926	KYRKSSLKS	spermatid nuclear transition protein 4	3,232216667	0,424587094	On
927	PLSRRLSVA	glycogen synthase	0,936183333	0,173717281	
928	SRLHSVRER	sucrose synthase 2	0,664183333	0,125255129	
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	0,614066667	0,049619105	
930	LGGGTFDIS	Heat Shock Protein 70	0,744133333	0,140754256	
931	QHLKSVMLQ	Troponin I	0,750316667	0,180890235	
932	ISQESSEEE	high mobility group protein	0,59315	0,077056808	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,627866667	0,06328194	
934	EHVSSSEES	Alpha-S2 casein	0,59	0,077431303	
935	ESMESYEVS	Matrix Gla-protein	0,602833333	0,061825862	
936	KQLASFEIY	Cystatin S	0,618383333	0,059064828	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	0,6062	0,024515335	
938	PYKFPSSPLRIPGZ		0,625583333	0,05453967	
939	GSLKSRKRA	spermatid nuclear transition protein 1	0,797183333	0,187751726	
940	AVRRSDRAY	Troponin I	0,650816667	0,078047575	
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	1,925583333	0,446038941	On
942	GGGTSPVFP	Desmin	0,6806	0,07520994	
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,651516667	0,032565455	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,63335	0,04526439	
945	ESHESLESY	Matrix Gla-protein	0,64825	0,062141089	
946	RVLESFRAA	voltage-gated potassium channel	0,620116667	0,109600885	
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,6036	0,105684018	
948	RRPSPA	pyruvate kinase	0,693833333	0,061563914	
949	ADSFSLNDA	galectin-3	0,628483333	0,095586438	
950	ATSASPPQK	p53	0,593833333	0,052835852	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	0,619883333	0,070019442	

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,683783333	0,08354941	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,639766667	0,107795658	
954	ASGSFKL	Histone H1.1	0,641116667	0,065604577	
955	LRRGSLG	pyruvate kinase	0,760016667	0,17488504	
956	RRSVSEAAL	hormone sensitive lipase	0,634266667	0,053149245	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	0,641816667	0,046355588	
958	RRASLG		0,83895	0,164277727	
959	AAVDTSEI	Prothymosin	0,6982	0,070248286	
960	TESQSLTLT	Beta casein	0,668466667	0,093528662	
961	TTRVTPLRT	Desmin	0,60465	0,034152233	
962	WTADSGEGD	Fibrinogen alpha	0,6225	0,039332959	
963	RHRDTGILD	Myelin basic protein	0,6692	0,044181953	
964	NRIYTHQVV	cell division protein kinase 7	0,821566667	0,075505467	On
965	LRKASLG	pyruvate kinase	0,60625	0,040566632	
966	YHGHSMSDP	pyruvate dehydrogenase E1	0,689533333	0,023218037	On
967	SSEESIISQ	Alpha-S2 casein	0,70425	0,125603689	
968	PKRGSKDG	Myelin basic protein	0,597433333	0,077611536	
969	LGSALRRR	vimentin	0,596966667	0,121332411	
970	TDESDNEI	lower matrix phosphoprotein	0,668983333	0,096710232	
971	TRSVSSSSY	vimentin	0,693616667	0,079265339	
972	PPRRSSIRN	Neutrophil cytosol factor 7	0,64085	0,045635202	
973	RTKGSQSV	phosphorylase b kinase beta	0,630833333	0,076193573	
974	KRAASPRKS	Histone H5	1,932233333	0,081233515	On
975	LMAPSEEDH	insulin-like growth factor binding protein 2	0,615816667	0,059410063	
976	QNPVYHNQP	EGF Receptor	0,63085	0,095842918	
977	SRSRSRSPG	Lamin B receptor	0,61185	0,049184872	
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	0,618	0,058525052	
979	LQDDYEDMM	Band 3 anion transport protein	0,657066667	0,052827586	
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	0,65185	0,026106417	
981	GVLRRASVA	pyruvate kinase	0,8689	0,292690983	
982	KRPSLRAKA	Myelin basic protein	2,820283333	0,819184528	On
983	EASTTVSKT	Rhodopsin	0,67895	0,144178552	
984	ELSNYIAMG	Insulin receptor substrate 9	0,6024	0,036884211	
985	HHHATPSPP	Myb proto-oncogene protein	0,625483333	0,084031843	
986	KTETSQVAP	Rhodopsin	0,557533333	0,08079398	
987	PYKFPSSPLRIPGZ		0,528883333	0,047109135	
988	GGSVTKKRK	Lamin C	4,36055	0,575428584	On
989	AKRISGKMA	cell division control protein 2	2,385333333	0,458296829	On
990	DDPSYVNVQ	Adaptor molecule SHC	0,5699	0,084918579	
991	EVEKSPVKS	neurofilament triplet M	0,500033333	0,057986569	
992	GKSSYSKQ	Fibrinogen alpha	0,868016667	0,048306596	On
993	DSRSSLIRK	multidrug resistance protein 3	0,861383333	0,155852475	
994	EKAKSPVPK	neurofilament triplet M	0,5506	0,031745577	
995	RQRKSRTTI	Interleukin-2 receptor alpha	0,803466667	0,080446466	
996	SAYATVKAY	Annexin II	0,621866667	0,124190434	
997	NTDGSTDYG	Lysozyme C	0,602633333	0,1315044	
998	KRTLRL	EGF Receptor	0,625333333	0,100270188	
999	AGPTSARDG	RNA polymerase alpha	0,547516667	0,087944086	
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	0,576116667	0,082370326	
1001	ESSYSYEEI	RNA polymerase alpha	0,67055	0,054338584	
1002	YSLGSALRP	vimentin	0,56115	0,08379455	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,544833333	0,092736404	
1004	RKRRAE	Histone H2B	0,666866667	0,129091985	
1005	RNASTNDSP	Beta-2 adrenergic receptor	0,533516667	0,0815543	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,587883333	0,057805945	
1007	NRQLSSGVS	Heat Shock Protein 28	0,56055	0,031718318	

1008	VGPDS	p53	0,62385	0,029173361	
1009	SSSESGAPE	Clathrin light chain B	0,521633333	0,047486916	
1010	TKHIYSNLA	Mast/stem cell growth factor receptor	0,520033333	0,046853181	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,52285	0,110968224	
1012	YRKGLSKSR	spermatid nuclear transition protein 1	1,185533333	0,175035912	On
1013	SNQEYLDLS	Receptor tyrosine kinase	0,629233333	0,058340614	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	0,603916667	0,076377902	
1015	VGFMTHEYVA	mitogen-activated protein kinase 1	0,626416667	0,044854902	
1016	QTASSPLSP	Lamin	0,51805	0,028104656	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	0,512716667	0,061811411	
1018	PQRATSNVF	Myosin regulatory light chain 6	0,5142	0,087776221	
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	0,565	0,088933468	
1020	THVASVSDV	acetyl-CoA carboxylase	0,584783333	0,074855509	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	0,624833333	0,055796958	
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	0,870166667	0,15454595	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	0,68655	0,20223577	
1024	KRPSFRAKA	Myelin basic protein	0,530683333	0,052693964	
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	0,560933333	0,066038844	
1026	QRYSSDPTG	EGF Receptor	0,523666667	0,014850159	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,575416667	0,059086509	
1028	KRRLSFSET	Interleukin-1 alpha	0,82875	0,11836436	
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	5,194616667	0,501963387	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,537733333	0,029767581	
1031	LNRMSFASN	acetyl-CoA carboxylase	0,5684	0,056624921	
1032	EEDTYTMPS	Focal adhesion kinase	0,573716667	0,04173113	
1033	EQEYEDPD	Band 3 anion transport protein	0,552483333	0,043799778	
1034	HVSSSEESI	Alpha-S2 casein	0,649833333	0,102084771	
1035	METPSQRRRA	Lamin C	0,601433333	0,051640719	
1036	PYKFPSSPLRIPGZ		0,6097	0,033000909	
1037	GNFNYVEFT	Myosin regulatory light chain 2	0,5628	0,07663114	
1038	APRTPGGRR	Myelin basic protein	0,596966667	0,054441319	
1039	DGNGYISAA	Calmodulin	0,6352	0,032035631	
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,548966667	0,125519602	
1041	GRALSTRAQ	Troponin I	0,577266667	0,043708358	
1042	EDRMSLVNS	Cystatin S	0,594866667	0,070287011	
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	0,643733333	0,093556884	
1044	RRLSSLRAS	40S ribosomal protein S6	0,613366667	0,118869469	
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	1,428866667	0,080192948	On
1046	PSKKYAIKG	Glutamyl aminopeptidase	0,670533333	0,099136105	
1047	RRPSV	pyruvate kinase	0,7357	0,220282141	
1048	APETPGGRR	Myelin basic protein	0,585233333	0,142298725	
1049	DEEMSETAD	Protein phosphatase inhibitor 2	0,5831	0,090148914	
1050	FFSSSESGA	Clathrin light chain B	0,6416	0,06231863	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,589983333	0,045610677	
1052	APTPGGRR	Myelin basic protein	0,602833333	0,106730426	
1053	STNDSPL	Beta-2 adrenergic receptor	0,684766667	0,092092294	
1054	RRKASGPPV	Histone H1.1	0,602183333	0,029166543	
1055	SEENSKKTV	Alpha-S2 casein	0,679416667	0,064096715	
1056	PASPSPQRQ	synapsins IA and IB	0,58475	0,043205459	
1057	RRASR	pyruvate kinase	0,6033	0,115070985	
1058	STNEYMDMK	Mast/stem cell growth factor receptor	0,631766667	0,09084765	
1059	TPPLSPIDM	Transcription factor AP-5	0,609416667	0,087438563	
1060	VKGATSDEE	DNA topoisomerase II	0,60105	0,06144682	
1061	QRATSNVFA	Myosin regulatory light chain 5	0,66325	0,067381056	
1062	SPRKSPRKS	Histone H6	2,465483333	0,487972117	On
1063	RRRASVA	pyruvate kinase	0,686566667	0,068306373	

1064	VTPSPGLP	casein kinase II	0,58735	0,054211023	
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	0,62675	0,050843993	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,612566667	0,045846707	
1067	PSPKYPGPQ	Chromogranin A	0,596483333	0,066510655	
1068	SSVLYTAVQ	platelet-derived growth factor receptor	0,605983333	0,053177225	
1069	TLSDSDDDED	N-myc proto-oncogene protein	0,786716667	0,131213448	
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,614566667	0,053371596	
1071	PTKRSPQKG	Histone H2B.1	0,596283333	0,093226644	
1072	KIQASFRGH	neurogranin	1,31565	0,11914124	On
1073	KRSNSVDTS	Glycogen [starch] synthase	0,618383333	0,028343792	
1074	KRKQISGRGL	Glycogen phosphorylase	0,561333333	0,081806778	
1075	SQESSEEEQ	high mobility group protein	0,583633333	0,068955062	
1076	KKDVTPVKA	Histone H1	0,7222	0,038918183	
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	0,588833333	0,048890973	
1078	LYSGSEGDS	Serum response factor	0,70535	0,043448955	
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,6043	0,101288063	
1080	MPGETPPLS	Transcription factor AP-3	0,608533333	0,03921684	
1081	EETVYEAEP	Hematopoietic cell-specific LYN substrate	0,680833333	0,132514869	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,79435	0,150176935	
1083	INETSQHHD	vimentin	0,635466667	0,089114405	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,61825	0,068978294	
1085	PYKFPSSPLRIPGZ		0,635916667	0,022401128	
1086	GRNASTNDS	Beta-2 adrenergic receptor	0,6376	0,083134149	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	0,651283333	0,05148141	
1088	DLTSPDVG	Transcription factor AP-4	0,63945	0,123760515	
1089	GAGNSLRTA	Lamin C	0,66825	0,072623079	
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	0,6159	0,059257573	
1091	EEHVYSFPN	Paxillin	0,5967	0,081171434	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	0,595633333	0,041019311	
1093	RRRRAASVA	pyruvate kinase	0,661766667	0,099285987	
1094	SIRDTPAKN	Nucleophosmin	0,605683333	0,094589819	
1095	GGYSLG	Lysozyme C	0,754966667	0,118951351	
1096	AAASFKAKK		1,459066667	0,325906112	On
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	0,64345	0,076079903	
1098	DKEVSDDEA	HSP90-alpha	0,657466667	0,073558733	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	1,144866667	0,311832247	
1100	RFFGSDRGA	Myelin basic protein	0,650716667	0,015916518	
1101	PRTPGGRR	Myelin basic protein	0,689166667	0,087876593	
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	3,076216667	0,563934048	On
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	0,848916667	0,187092234	
1104	SGDTPRHL	Microtubule-associated protein tau	0,66765	0,079323683	
1105	KQITVR	Glycogen phosphorylase	1,274283333	0,164378756	On
1106	SSKRA	Myosin regulatory light chain 2	0,708766667	0,034285598	
1107	SVSSSYRR	vimentin	0,865083333	0,132761329	
1108	TRQASISGP	synapsins	0,645233333	0,046621192	
1109	VRTYTHEVV	Cell division protein kinase 2	0,784333333	0,157739714	
1110	REILSRRPS	cAMP response element binding protein	0,787383333	0,155695656	
1111	GASGSFKL	Histone H1.1	0,689333333	0,082001833	
1112	VRRSDRA	Troponin I	0,696516667	0,025525064	On
1113	VTRRTLSDM	6-phosphofructokinase	0,645566667	0,08499816	
1114	SRRGESSE	phosphoprotein phosphatase 1, 3a	0,798583333	0,107940619	
1115	PASAYGSVK	Annexin II	0,733916667	0,164618773	
1116	PWQVSLRTR	Plasminogen	0,619333333	0,11512209	
1117	STSRSLYSS	vimentin	0,777966667	0,155693611	
1118	TRGGSLERS	alpha-1B adrenergic receptor	0,624733333	0,056471561	
1119	PFKLSGLSF	MARCKS-related protein	0,659683333	0,085842786	

1120	QEQEYVQAV	Annexin I	0,6393	0,058364772	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	2,248216667	0,091859942	On
1122	KYLASASTM	Myelin basic protein	0,793566667	0,106623437	
1123	PRRVSRRRR	Protamine YII	0,6987	0,098841009	
1124	SRKRSGEAT	6-phosphofructokinase	0,64955	0,085645519	
1125	KMKDSDSEE	Calmodulin	0,629833333	0,087490517	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,657433333	0,059770678	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	0,64155	0,09304953	
1128	ISITSRKAQ	GTP-binding protein era	0,678333333	0,105553978	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	0,616616667	0,029414745	
1130	EHIPYTHMN	Insulin Receptor (IR)	0,6281	0,096568223	
1131	ESMESYELN	Matrix Gla-protein	0,7581	0,03373843	On
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	3,949366667	0,148653901	On
1133	NKQGYKARQ	Protein kinase C delta	0,779383333	0,03645546	On
1134	PYKFPSSPLRIPGZ		0,59565	0,052461049	
1135	GSSTSSRPS	vimentin	0,558816667	0,04009585	
1136	AVMVSHYIH	Prolactin	0,6473	0,065751705	
1137	DPPGTESFV	Beta-2 adrenergic receptor	0,592033333	0,073178666	
1138	GFKRSYEEH	Insulin Receptor (IR)	0,615683333	0,125354599	
1139	GSRRRRRRY	protamine	0,72555	0,041759689	
1140	EFPLSPPKK	stathmin	0,653233333	0,056035782	
1141	ESEKTKTKE	myosin II heavy chain	0,620933333	0,08504019	
1142	RSSMSGLHL	acetyl-CoA carboxylase	0,593916667	0,02099406	
1143	SLVNSRAQE	Cystatin S	0,64005	0,090325772	
1144	RRATVA	pyruvate kinase	0,623733333	0,009295997	
1145	ADSFSLHDA	galectin-3	0,619316667	0,051941736	
1146	ATRRSYVSS	glial fibrillary acidic protein	0,62425	0,042974198	
1147	DNIDSQGRN	Beta-2 adrenergic receptor	0,610216667	0,051172459	
1148	GDSSEGEIE	Serum response factor	0,632733333	0,039572556	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	0,651983333	0,058819559	
1150	AKRSRKE	Histone H2B	0,6123	0,039611383	
1151	LRRATLG	pyruvate kinase	0,741816667	0,074379683	
1152	RRSSSVGYI	Acetylcholine receptor protein delta	0,7977	0,125168926	
1153	SKVTSKAGS		0,628333333	0,069542054	
1154	RGYSLG	Lysozyme C	0,62475	0,065507709	
1155	AARTPGGRR	Myelin basic protein	0,620733333	0,108932413	
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	0,67265	0,05725663	
1157	TTRRSASKT	Fibrinogen alpha	0,623416667	0,047464133	
1158	WLTKTPEGN	Actin and myosin binding protein	0,604083333	0,05462442	
1159	RGRSSVYSA	myosin heavy chain	0,587866667	0,042021152	
1160	RKRTLRRRL	EGF Receptor	0,623233333	0,038569209	
1161	LRHASLG	pyruvate kinase	0,625233333	0,031267697	
1162	YNGYSSNS	Beta-2 adrenergic receptor	0,631933333	0,080470743	
1163	SRTPSLPTP	Microtubule-associated protein tau	0,682166667	0,055335497	
1164	PKKGSKKAV	Histone H2B	1,23225	0,134990673	On
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	0,725166667	0,091654736	
1166	TDDGYMPMS	Insulin receptor substrate 10	0,609583333	0,059341067	
1167	TRRLTGFLP	Glycogen phosphorylase	0,651233333	0,04134784	
1168	PPEKTEEEE	somatostatin receptor type 5	0,581383333	0,080636162	
1169	RTGRSGSV	phosphorylase b kinase beta	0,751866667	0,22071945	
1170	KQSPSSSPT	phosphorylcholine transferase	0,598816667	0,052787393	
1171	LLRPSRRVR	somatostatin receptor type 6	0,60085	0,049730423	
1172	QMALTPVVV	cell division protein kinase 4	0,659583333	0,081900685	
1173	SRSRSPGRP	Lamin B receptor	0,70865	0,120880464	
1174	KRKRSRKES	Histone H2B	3,057633333	0,590306619	On
1175	LQAISPKQS	phosphorylcholine transferase	0,695316667	0,129169155	

1176

QRRRSLEPP

Proto-oncogene tyrosine-protein kinase Src

0,692766667

0,161322278

Suppl. Table 7. Average densitometry values for all substrates on the arrays for mature NK cells and their Markov test of significance

Peptide #	Sequence	Source protein	$\sum(x_1, x_2, \dots, x_9)/n$	$\sigma(x_1, x_2, \dots, x_9)$	Markov state
1	HEYIYVDP	platelet-derived growth factor receptor	1,203484605	0,537081992	
2	KRPSVRAKA	Myelin basic protein	1,525345562	0,441684383	
3	EDNEYTARQ	Tyrosine-protein kinase transforming protein SRC	1,508019505	0,194661156	On
4	ENKLYGMSD	Probable receptor with tyrosine-protein kinase activity	1,690230892	0,574810813	
5	HRLLTLDPV	Interleukin-1 receptor	0,857324485	0,278918098	
6	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,663722227	0,160823365	
7	PYKFPSSPLRIPGZ		1,582299697	0,383177491	
8	GKRQTEREK	Troponin T	1,964336626	0,693811206	
9	APATSPKAE	neuromodulin (GAP43)	0,913004711	0,206825009	
10	DEESEQGA	tubulin	1,796290191	0,070189234	On
11	FFRRSKIAV	glutamate receptor 2	0,785370832	0,130738251	
12	GMTEYVATR	Mitogen-activated protein kinase FUS3	1,321990918	0,291841245	
13	EAALYKNLL	Mast/stem cell growth factor receptor	2,688055361	0,509310288	On
14	ELILSPRSK	stathmin	0,657574076	0,205179791	
15	RRAVSEQDA	Tyrosine 3-monooxygenase	0,969663323	0,176685031	
16	SEDNSEDEI	acetyl-CoA carboxylase	0,7561298	0,073315427	
17	PASLSRAKA	phosphorylcholine transferase	1,26344452	0,36147168	
18	RRASL	pyruvate kinase	1,890906436	0,257286832	On
19	AKKMSTYNV	myosin heavy chain	0,679297321	0,047577378	
20	DDINSYEA	Coagulation factor IX	1,94944191	0,856199256	
21	ETRFTDTRK	elongation factor 2	0,578692841	0,038134319	
22	QLSTSEENS	Alpha-S2 casein	0,69313606	0,055370717	
23	SPRKSPKKS	Histone H1	0,950634516	0,195394873	
24	RRKASGP	Histone H1.1	1,029313486	0,366915621	
25	RQLRSPRRT	ras-related protein Rab-4A	1,923831124	0,464311858	
26	SAVASNMRD	muscarinic acetylcholine receptor M2	1,025856843	0,198679979	
27	RTPPPSG	Myelin basic protein	0,879768779	0,110892344	
28	LRRAS	Red cell/liver pyruvate kinase	1,666593395	0,453191516	
29	SSTGSIDMV	Microtubule-associated protein tau	1,068069436	0,11444688	
30	TLASSFKRR	glutamate (NMDA) receptor subunit zeta 1	1,485101851	0,271441062	
31	VGAFSTVKG	rhodopsin kinase	0,650023656	0,116411692	
32	YSGHMSMDP	pyruvate dehydrogenase E1	1,124399698	0,424128424	
33	SPGEYVNI	Insulin receptor substrate 1	0,640287431	0,228946183	
34	RKRSAKE	Histone H2B	0,841379617	0,026036309	
35	VINETSQHH	vimentin	0,584330981	0,123143747	
36	SPVVSGDTS	Microtubule-associated protein tau	0,56754607	0,081819242	
37	LRRFSLATM	Cytochrome P450 2B1	2,139592693	0,256690295	On
38	PRPASVPPS	Glycogen [starch] synthase	0,586950215	0,237548598	
39	SSRPSSNRS	vimentin	3,240170165	0,129415411	On
40	TKFASDDEH	Lupus La protein	0,639533102	0,048791897	
41	LSDDSFIED	DNA topoisomerase II	0,704567572	0,215421526	
42	PSPKTPPGS	Microtubule-associated protein tau	1,588352763	0,22376147	On
43	KDIGSESTE	Alpha-S1 casein	1,805576825	0,24400842	On
44	KRRGSVPIL	erythrocyte protein 4.2	1,052492759	0,234629374	
45	KRAKAKAKKR	Myosin regulatory light chain 2	2,12841411	1,300946984	
46	QSYSSQRV	Desmin	1,131138578	0,544613756	
47	KGTGYIKTE	Signal Transducer and Activator of Transcription 1	0,877781266	0,07642801	
48	KRSLSEMEI	Serum response factor	0,681563993	0,275935426	
49	KRKQGSVRGL	Glycogen phosphorylase	1,540585767	0,367790827	
50	HTRDSEAQR	erythrocyte band 7	0,742857202	0,069881167	
51	MAEVSWKVL	Phosphorylase b kinase beta	0,704457541	0,094639268	
52	EEGISQESS	high mobility group protein	0,660236154	0,07727904	
53	EQQQTEDEL	Beta casein	0,745154109	0,088073728	
54	IGEGTYGVV	Cell division protein kinase 2	2,548028019	0,608700192	On
55	MMPYVVTR	Stress-activated protein kinase JNK1	0,951281593	0,222242334	

56	PYKFPSSPLRIPGZ		2,853837238	0,152041573	On
57	GQEVYVKKK	PTK receptor for angiotensin 1 (TEK)	1,390078173	0,365386271	
58	AQETSGEEI	insulin-like growth factor binding protein 1	0,994479149	0,232710938	
59	DKAKSRPSL	fructose-1,6-bisphosphatase	0,835446252	0,120668173	
60	FPVSYSSSG	Probable receptor with tyrosine-protein kinase activity	0,473714134	0,10778007	
61	GRLSSMAMI	myosin light chain kinase	0,737062424	0,066564135	
62	EEDLSDENI	transcription factor BAF1	0,840021183	0,053789483	
63	EPGPYAQPS	Proto-oncogene C-crk	0,492578865	0,014883127	
64	RRRASQLKV	Gamma-aminobutyric-acid receptor beta	0,836373009	0,256648364	
65	SGADYPDEL	Trypsin I	2,12656841	0,257116555	On
66	KQISVR	Glycogen phosphorylase	1,918850077	0,229961523	On
67	SLKDH	L-lactate dehydrogenase M	2,695189855	0,313844312	On
68	APRTAGGRR	Myelin basic protein	1,142393145	0,120367118	
69	DGHEYIYVD	platelet-derived growth factor receptor	0,666841058	0,070097377	
70	FKRSYEEHI	Insulin Receptor (IR)	0,785086961	0,307459495	
71	REARSRAS	cAMP-dependent protein kinase II (PKA)	1,711748568	0,102520267	On
72	DRVYVHPF	Angiotensinogen	1,160511588	0,210894518	
73	VRRSDAA	Troponin I	1,081228929	0,261607869	
74	RRKMSRGLP	Volt.-dep. L-type calcium channel alpha-1S	2,749720643	1,274892992	
75	SEVPYREVQ	Tyrosine-protein kinase Src64B (hom MAP3K10)	2,098827449	0,09514328	On
76	PRRASATSS	Glycogen [starch] synthase	2,708205693	1,193077674	
77	RRLSI	phosphorylase b kinase alpha	0,73348906	0,150442784	
78	STLSLSPFYL	Alpha crystallin B	1,573393205	0,235458263	On
79	TRDIYETDY	Insulin Receptor (IR)	2,648908166	1,214723999	
80	VPTLSTFRT	Desmin	1,813083698	0,170871197	On
81	RASTSKSES	40S ribosomal protein S6	1,91732334	0,231946608	On
82	SPSSSPTHE	phosphorylcholine transferase	3,125679663	1,304738281	
83	STNDSL	Beta-2 adrenergic receptor	1,297785324	0,097447557	On
84	VRTFTHEVV	Cell division protein kinase 2	2,802286243	1,34624588	
85	SRKMSVQEY	phosducin	1,16388218	0,583118672	
86	LSGLSFKRN	MARCKS-related protein	1,229082173	0,234821848	
87	PTGTPQRK	Kinesin-related motor protein Eg5	0,56906002	0,140523805	
88	STLASSFKR	glutamate (NMDA) receptor subunit zeta 2	0,975545998	0,117178062	
89	TPPKSPSSA	Microtubule-associated protein tau	0,514325965	0,064512818	
90	PAAVSEHGD	Na+/K+ ATPase 1	0,949080051	0,134213653	
91	PVSPSLVQG	muscarinic acetylcholine receptor M2	0,656666965	0,14332683	
92	KKDASDDLD	eukaryotic translation initiation factor 2 beta	0,634159973	0,187866843	
93	KSRPSLPLP	fructose-1,6-bisphosphatase	0,87086834	0,275698504	
94	LSVSSLPGL	Glycogen [starch] synthase	0,646806142	0,220047294	
95	SRHSSPHQS	Glycogen [starch] synthase	0,786949028	0,192866356	
96	KKPPTPPPE	Large T antigen	1,616167196	0,038005951	On
97	KVPQTPLHT	MAP kinase-activated protein kinase 2	1,431851292	0,560345488	
98	PRRSSIRNA	Neutrophil cytosol factor 1, p47-PHOX	1,138402178	0,242056638	
99	ILDTTGQEE	K-Ras	0,903955955	0,126712561	
100	NDSNYIVKG	Macrophage colony stimulating factor I receptor	0,895535829	0,118703089	
101	EFLRTSAGS	5'-AMP-activated protein kinase	0,911825383	0,186461155	
102	ERTNSLPPV	Volt.-dep. L-type calcium channel alpha-1S	1,015532246	0,303504492	
103	IRRASTIEM	Cardiac phospholamban	1,001418153	0,155849772	
104	NFDDYMKSL	Fatty acid-binding protein	0,953304769	0,276706552	
105	PYKFPSSPLRIPGZ		0,81093686	0,146156336	
106	GRTGRRNSI		0,879911395	0,045585555	
107	ATPIYLDIL	TrkC tyrosine kinase	0,893949102	0,190626388	
108	DMRQTVAVG	elongation factor 1-alpha 1	1,92676243	0,239634883	On
109	GDRFTDEEV	Myosin regulatory light chain 2	1,33881973	0,364534677	
110	GSGSSVTSR	Desmin	0,938247794	0,163403017	
111	EEPQYEEIP	Middle T antigen	0,930773732	0,550546418	

112	ERRLSLVPD	cystic fibrosis transmembrane conductance regulator	1,337083874	0,205675524	
113	RRSSSRPIR	Protamine YI	0,982334672	0,044050394	
114	SKIGSTENL	Microtubule-associated protein tau	0,673468534	0,164393636	
115	NDMTSL	Tropomyosin 1 alpha	3,006079558	0,514718634	On
116	AARLSLTDP	platelet glycoprotein IB	0,959743078	0,153236736	
117	ARRSTTDAG	Choriogonadotropin beta	0,54982243	0,136610842	
118	DLKDTKYKL	myosin II heavy chain	1,796104704	0,466878196	
119	GAFSTVKGV	rhodopsin kinase	1,41691355	0,821107652	
120	RGRASSHSS	Lamin A/C	0,765556924	0,065825226	
121	RKRSRAEF	Histone H2B	1,490008812	0,169281447	On
122	LRAASLG	Red cell/liver pyruvate kinase	0,920911866	0,275191605	
123	RRRQSVLNL	cystic fibrosis transmembrane conductance regulator	6,228341873	0,673117486	On
124	SIDEYFSEQ	Interferon receptor	0,923372184	0,461010197	
125	EESESD	synaptic vesicle amine transporter	1,128451495	0,515730412	
126	RRRS	Troponin I	1,024613123	0,166907338	
127	TAYGTRRHL	calponin alpha and beta	0,818058645	0,114897256	
128	TRRISQTSQ	ryanodine receptor	2,05320324	0,289406154	On
129	VTPRTPPPS	Myelin basic protein	0,810821267	0,107613689	
130	REVSSLKSK	myosin heavy chain	0,744064643	0,046810392	
131	PEETQTQD	HSP90-alpha	0,995792341	0,082028445	
132	KKQISVR	Glycogen phosphorylase	1,048436626	0,186395323	
133	WLTKSPDGN	caldesmon	0,627576601	0,015014376	
134	SRRSSLGSL	Volt.-dep. L-type calcium channel alpha-1S	0,78547245	0,147624882	
135	PETVYEVAG	Cortactin	0,777641414	0,106563894	
136	QEPGSGPPE	somatostatin receptor type 3	0,877381155	0,075646888	
137	SVSSSPIKE	transcriptional factor SWI5	0,989737777	0,213467343	
138	TRLHSLRER	Sucrose synthase 1	0,852559279	0,184569362	
139	PKEVYDVML	TrkC tyrosine kinase	0,623068986	0,195185368	
140	PRTPGGRR	Myelin basic protein	1,798630918	0,390032799	
141	KLSPSPSSR	Lamin B1	0,976565727	0,114179107	
142	LEKKYVRRD	macrophage colony stimulating factor 1 receptor	0,821756595	0,180232155	
143	QASSTPLSP	Lamin A/C	0,927747894	0,046048251	
144	SRRDSLFP	Sodium channel protein type II alpha	0,822185445	0,172815904	
145	KQPIYVME	Tyrosine-protein kinase transforming protein Fps	1,037303945	0,216571355	
146	LLQDSVDFS	vimentin	1,645544871	0,207635727	On
147	QLSTSEENS	Alpha-S2 casein	1,507417712	0,242865929	
148	KIQASFRGH	neurogranin	4,509642227	0,803359386	On
149	NKGASQAGM	calponin alpha and beta	0,790354883	0,175184917	
150	EIVESLSSS	Beta casein	1,291828447	0,195792467	
151	ESSNYMAPY	platelet-derived growth factor receptor	2,440029576	0,646503107	On
152	KRPSKRAKA	Myelin basic protein	1,359737027	0,363430495	
153	NRAITARRQ	Troponin I	2,582700326	0,168397878	On
154	PYKFPSSPLRIPGZ		0,927416676	0,342044709	
155	GSRPSESNG	Lens fiber major intrinsic protein	1,609860269	0,431731461	
156	DAHKSKRQH	transcription factor BAF1	0,685490466	0,143629719	
157	DSLIYDDGL	Probable receptor with tyrosine-protein kinase activity	1,609899404	0,132562887	On
158	GGRDSRSGS	Myelin basic protein	0,832556844	0,364189548	
159	GVERSVRPT	phosphorylase b kinase alpha	0,809186861	0,199600105	
160	EGVKSDQAE	neurofilament triplet M	0,77060304	0,268601342	
161	ESLSSSEES	Beta casein	0,752708575	0,096487843	
162	RVRMSADAM	Troponin I	0,630604494	0,04087479	
163	SNPTYSVMR	Middle T antigen	1,135691568	0,116924546	
164	SSKRAK	Myosin regulatory light chain 2	1,817793316	0,345764189	On
165	AGDGSDEEV	myosin heavy chain	1,430072028	0,382908922	
166	AVDRYIAIT	Beta-2 adrenergic receptor	3,475733774	0,635526058	On
167	DPLLTFRFP	Lamin A/C	0,946526279	0,14351056	

168	GENIYIRHS	erythrocyte protein 4.1	0,724931837	0,172716199	
169	RLSPSPTSQ	Lamin C	0,802655478	0,13140947	
170	RKESYSV	Histone H2B	1,379468997	0,034567986	On
171	PLSRTL	Glycogen [starch] synthase	0,92124272	0,104845751	
172	RSRASTPPA	cAMP-dependent protein kinase II (PKA)	1,147858834	0,328712003	
173	SLSSSEESI	Beta casein	1,938245504	0,267926678	On
174	LRRASLAG	Red cell/liver pyruvate kinase	1,392435156	0,166082469	On
175	ADSESEDEE	cAMP-dependent protein kinase II (PKA)	2,743582581	1,266484078	
176	THERSPSPS	phosphorylcholine transferase	0,767284594	0,091183932	
177	TVTRSRSV	Lamin A/C	2,697210192	0,162754955	On
178	YETDYRKG	Insulin Receptor (IR)	0,742358085	0,136689363	
179	RKQISVRGL	Glycogen phosphorylase	0,963041688	0,167671306	
180	AGTTYAL	myosin heavy chain IA (fragment)	1,151593265	0,2129603	
181	LRRASVA	pyruvate kinase	0,907969059	0,159250124	
182	YRGYSLGNW	Lysozyme C	1,855017193	0,532434009	
183	SSLKSRKRA	spermatid nuclear transition protein 1	1,60802953	0,176337908	On
184	PMRRSVSEA	hormone sensitive lipase	1,181934407	0,220850381	
185	RSKRSGSV	phosphorylase b kinase beta	3,036903031	0,517226634	On
186	TEGQYQQQP	Proto-oncogene tyrosine-protein kinase Lck	0,855339376	0,100385046	
187	TTPLSPTRL	Lamin B2	2,347067188	0,867307112	
188	PQPEYVNQP	Receptor tyrosine-protein kinase erbB-2	1,49530524	0,471438921	
189	VKRGISGL	Histone H4	0,778791716	0,106963251	
190	KRKQISVRG	Glycogen phosphorylase	1,393508844	0,16980581	On
191	LPVPSTHIG	cGMP-dependent protein kinase (PKG)	2,14273434	0,489100256	On
192	QRRHSLEPP	Tyrosine-protein kinase transforming protein SRC	0,780876553	0,084646482	
193	SRTLSVSSL	Glycogen [starch] synthase	1,030344463	0,055038	
194	KRPSEAKA	Myelin basic protein	0,853795652	0,199630746	
195	LRGRSFMNN	6-phosphofructokinase	0,813330462	0,086500912	
196	QRVSSYRRT	Desmin	1,708748923	0,160662562	On
197	HDLSEMFN	Prolactin	1,239015642	0,150038086	
198	KRPSRAKA	Myelin basic protein	0,824441145	0,063106868	
199	EDNEYTARP	Proto-oncogene tyrosine-protein kinase Src	1,444958411	0,28214527	
200	ENAPSSTSS	DNA topoisomerase II	1,314964866	0,218186595	
201	HMRSSMSGL	acetyl-CoA carboxylase	1,337838316	0,151742739	On
202	LDRSSHAQR	Insulin Receptor (IR)	0,706470688	0,043750225	
203	PYKFPSSPLIPGZ		0,85416854	0,242120784	
204	GKEIYNTIR	Ras p21 activator protein	0,903078976	0,126498739	
205	APATPGGRR	Myelin basic protein	1,070793118	0,122954494	
206	DEEESEEA	elongation factor 1-beta	2,742452846	0,205361177	On
207	FFKKSIST	glutamate receptor 6	2,780657019	0,436384931	On
208	GMGTSVERA	pyruvate dehydrogenase E1	0,673081668	0,259480031	
209	DYDSSDIED	cactus	2,047813167	0,534272047	
210	EKRASQAF	stathmin	1,688917305	0,597438619	
211	RRAVSELDA	tyrosine 3-monooxygenase	0,501618868	0,075168775	
212	SDGGYMDMS	platelet-derived growth factor receptor	0,460519071	0,099331916	
213	NWHMTPPRK	serine/threonine protein phosphatase PP1	0,697994063	0,120586651	
214	RRASI	pyruvate kinase	0,544835312	0,116552965	
215	AKKGSEQES	cAMP-dependent protein kinase (PKA)	1,455861672	0,639268181	
216	DDEMTGYVA	Mitogen-activated protein kinase p38	3,534620401	0,580077178	On
217	ETDYRKG	Insulin Receptor (IR)	0,632506055	0,111827065	
218	YVTTSTRTY	vimentin	3,130524484	1,528348632	
219	SPQPSRRGS	protein phosphatase 1	2,413713843	0,281699867	On
220	RRAASVA	pyruvate kinase	0,688426115	0,134407813	
221	RPSENGQP	Lens fiber major intrinsic protein	0,626493223	0,144836147	
222	SASTPVKK	Histone H1	1,278733611	0,475312224	
223	NSYGSRGN	iron-responsive element binding protein	1,015836693	0,114695597	

224	LRRASL	pyruvate kinase	1,068662348	0,145186631	
225	SSTDSADSG	Early E1A	0,598969909	0,160903066	
226	TKSGSTTKN	eukaryotic translation initiation factor 4E	0,494663761	0,099913858	
227	VETTYADFI	cAMP-dependent protein kinase inhibitor alpha	0,527835238	0,120045678	
228	YSFTTTAER	Actin	0,832158161	0,175584308	
229	SPFKYQSLL	Beta-2 adrenergic receptor	0,970807762	0,280675577	
230	RKRSAAE	Histone H2B	0,865425059	0,075072596	
231	VIKRSPRKR	transcriptional factor SWI6	0,861739896	0,015589519	
232	SPVKSPEAK	neurofilament triplet M	0,654102711	0,154292646	
233	LRRASVAQL	pyruvate kinase	1,472224942	0,051724475	On
234	PRMPSLSVP	Sodium channel protein	0,866658018	0,268943334	
235	SSPVYQDAV	Cortactin	2,690727504	0,443588937	On
236	TKDITYDALH	T-cell surface glycoprotein CD3 zeta	1,168618016	0,249504012	
237	LRSPSWEPF	Heat Shock Protein 26	0,789475764	0,108829149	
238	PSLPTPPTR	Microtubule-associated protein tau	1,103359856	0,076278183	
239	KASASPRRK	Histone H3	1,077946236	0,020377147	On
240	KRRDYDLDA	Probable receptor with tyrosine-protein kinase activity	1,501935193	0,594707427	
241	PAPAVRASDRA	Troponin I	2,076660408	0,572629942	
242	QSRASDKQT	T-cell surface glycoprotein CD3 gamma	0,840328327	0,038305981	
243	KGQESFKKQ	Nucleophosmin	1,762569581	0,292417807	On
244	KRSGSVYEP	phosphorylase b kinase beta	1,544169455	0,173258033	On
245	KRAQISVRGL	Glycogen phosphorylase	2,365808456	0,363589042	On
246	HSSQSQGGG	Lamin C	0,823771016	0,118975723	
247	MAEAYSEIG	T-cell surface glycoprotein CD3 zeta	1,400150206	0,324104461	
248	EEESSYSYE	RNA polymerase alpha	1,090021204	0,045138812	On
249	EQPGSDDDED	Ornithine decarboxylase	0,76619227	0,166159699	
250	IEQFSTVKG	G protein-coupled receptor kinase 5	0,749982097	0,038582911	
251	MLDHSESTK	myelin	2,507247498	0,677855032	On
252	PYKFPSSPLRIPGZ		0,907076483	0,08110484	
253	GPRTTAQQ	cGMP-dependent protein kinase (PKG)	2,335495813	0,288214292	On
254	AQDTYLVLD	Erythropoietin Receptor	0,737601543	0,135564067	
255	DIPESQMEE	Band 3 anion transport protein	0,887257077	0,077676344	
256	FPRASFGSR	Desmin	1,126711796	0,121693393	
257	GRKASGSSP	myosin light chain kinase	0,814684333	0,072866666	
258	EDVGSDEEE	HSP90-alpha	3,649330805	0,479707921	On
259	EPAVSPLLP	Tyrosine-protein kinase Dash/Abl	0,789767535	0,182030115	
260	RRRASQLKI	Gamma-aminobutyric-acid receptor beta-2	0,50731162	0,086437461	
261	SFTTTAERE	Actin	0,672260495	0,098356095	
262	PLSRTL	glycogen synthase	0,851797508	0,098369085	
263	SGRGK	Histone H4	0,851218069	0,153820177	
264	APRSPGGRR	Myelin basic protein	0,866870191	0,178773601	
265	DGERYDEDE	Glycogen [starch] synthase	0,873110194	0,173789394	
266	FKRPTLRRV	troponin I	1,427611727	0,141467581	On
267	REAEYEPET	Cortactin	1,43558018	0,575194139	
268	DRVYIHPF	Angiotensinogen	0,707744498	0,062274908	
269	VRRISGL	Histone H4	0,648588771	0,115502005	
270	RRKGTDVNV	Annexin I	1,504200133	0,321004034	
271	SETKTEEEE	DNA topoisomerase II	0,786503872	0,243568433	
272	PQRATSNVF	Myosin regulatory light chain 2	1,467683819	0,357585457	
273	RRGSV	pyruvate kinase or palladin	2,209585477	0,664650755	
274	STSKSESSQ	40S ribosomal protein S6	4,016161769	0,571309198	On
275	TRAPSRTAS	ATP-citrate (pro-S-) lyase	2,748685209	0,159732282	On
276	VPRTPGGRR	Myelin basic protein	1,573122967	0,116537306	On
277	RASSRSVR	Lamin B0	1,039199821	0,113357048	
278	SPSSSPASL	phosphorylcholine transferase	0,947139934	0,112219794	
279	RVYVHPF		2,107514421	0,197814243	On

280	VRRVSDDDR	Tyrosine 3-monooxygenase	1,821335216	0,124516637	On
281	SRKMSIQEY	phosducin	0,649018601	0,026042599	
282	LSGFSEKKS	myristolated alanine-rich C-kinase substrate	1,719885853	0,176333289	On
283	PSSTSSSSI	DNA topoisomerase II	0,561376333	0,091960099	
284	STGIYEALE	Alpha enolase	1,092831318	0,240934622	
285	TPPKSPSAS	Microtubule-associated protein tau	0,978563165	0,155274883	
286	LYSSSPGGA	vimentin	0,878915408	0,176154588	
287	PVPKSPVEE	neurofilament triplet M	1,093755647	0,275606344	
288	KKASFKAKK		0,850305315	0,114392497	
289	KSPAKTPVK	Actin and myosin binding protein	0,769920999	0,126362832	
290	PLSKTLSVSS	Glycogen [starch] synthase	1,452011997	0,232997665	
291	SRGKSSSYS	Fibrinogen alpha	1,128377623	0,115794053	
292	KKLGSKKPQ	Sodium channel protein type II alpha	0,778923666	0,099715618	
293	KTASTRKV	cystic fibrosis transmembrane conductance regulator	1,921539485	0,162923947	On
294	PRRTRRAS	Protamine YII	1,058261722	0,341197736	
295	IHQRSRRL	Neutrophil cytosol factor 2	0,697962292	0,159410533	
296	NDALSGSGN	galectin-3	0,852792893	0,068688166	
297	EETQTQDQP	HSP90-alpha	0,682951286	0,146493671	
298	ERSQSRKDS	alpha-1B adrenergic receptor	1,391666449	0,389401529	
299	IRQASQAGP	synapsins	1,06127359	0,284283358	
300	NFDDYMKEV	Fatty acid-binding protein	1,01115957	0,13679514	
301	PYKFPSSPLRIPGZ		0,738086283	0,065847893	
302	GRRQSLIQD	tyrosine 3-monooxygenase	0,741855135	0,067982202	
303	ASFEYTILD	Erythropoietin Receptor	0,669299251	0,052442226	
304	DLSTYASIN	Insulin receptor substrate 2	1,165474839	0,646550582	
305	GDNDYIPL	platelet-derived growth factor receptor	1,974863506	0,547440251	
306	GSESTEDQA	Alpha-S1 casein	1,315530975	0,223837482	
307	EENVSVDDT	eukaryotic translation initiation factor 4E	1,266806268	0,259549141	
308	ERRKSKSGA	cAMP-regulated phosphoprotein 21	2,801030155	0,966078094	
309	RRRSRSRS	Lamin B receptor	0,984469987	0,130758153	
310	SKIGSLDNI	Microtubule-associated protein tau	1,14469787	0,116902901	
311	NDITSL	Tropomyosin beta	0,912616795	0,15240141	
312	AARGSFIDAS	rhodopsin kinase	2,688819159	0,368780555	On
313	ARNDSVTVA	cAMP response element-binding protein CRE-BP1	0,780689835	0,207951643	
314	DLFGEDEED	elongation factor 1-beta	1,022437491	0,313976519	
315	FSSRSYTSG	Keratin 8	0,632457156	0,085236756	
316	RGKSSYSK	Fibrinogen alpha	1,137888574	0,241222101	
317	RKRSRAEA	Histone H2B	0,619237095	0,216595265	
318	LKRASLG	pyruvate kinase	1,034062571	0,194866582	
319	RRRPTPATL	Protein phosphatase inhibitor 1	0,717255613	0,074508769	
320	SIADTFVGT	Serine/threonine-protein kinase STE7	0,630701148	0,227648431	
321	LRRNSI	cystic fibrosis transmembrane conductance regulator	0,693769452	0,092003445	
322	RRRRASVA	pyruvate kinase	1,889322434	0,179324455	On
323	TATDYHTTS	Band 3 anion transport protein	2,54962344	0,609226463	On
324	TRRASRPVR	Protamine YII	2,77053598	0,862737594	
325	VSSSYRRM	vimentin	3,406930128	1,107929281	On
326	REVSSLKKNK	myosin heavy chain	0,713067183	0,077015589	
327	LSYRRYSL		1,207629607	0,251772749	
328	KKKASVA	pyruvate kinase	1,329010107	0,51872307	
329	WKRTSMKLL	dihydropyridine-sensitive calcium channel	0,869468983	0,048435305	
330	SRRQSVLVK	glutamate receptor 6	0,776651002	0,037706289	
331	PENDYEDVE	Hematopoietic cell-specific LYN substrate	0,85469084	0,090819093	
332	QEGLYNELQ	T-cell surface glycoprotein CD3 zeta	0,999668465	0,295169681	
333	SVPPSPSLS	Glycogen [starch] synthase	1,598341866	0,290363856	
334	TRKVSLAPQ	cystic fibrosis transmembrane conductance regulator	2,160286012	0,576514716	
335	PKDPSQRRR	Proto-oncogene tyrosine-protein kinase Src	1,171302855	0,139696215	

336	KRKQISVR	Glycogen phosphorylase	1,509219347	0,098427209	On
337	KLRRSSSVG	Acetylcholine receptor protein delta	1,344818084	0,048861175	On
338	LDPLSEPED	Thyroid hormone receptor alpha	0,659963124	0,138435812	
339	QAGMTAPGT	calponin alpha and beta	1,231109297	0,167419065	
340	SRRASRPVR	Protamine Z	0,643975672	0,015404191	
341	KPGFSPQPS		1,13937107	0,253759215	
342	LLPMSPEEF	Signal Transducer and Activator of Transcription 1	1,587778029	0,795984582	
343	QLNDSSEEE	E7 protein	1,390662906	0,180987905	
344	KGGSYSQAA	HLA class I histocompatibility antigen B7	0,613760282	0,08083851	
345	NIYISPLKS	Retinoblastoma-associated protein	0,719355131	0,105865117	
346	EIRVSINEK	cGMP-dependent protein kinase (PKG)	3,304474496	0,53741528	On
347	ESRISLPLP	vimentin	0,663842201	0,063484275	
348	KRPSIRAKA	Myelin basic protein	0,985435511	0,088882079	
349	NPGFYVEAN	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	2,377516502	0,298379305	On
350	PYKFPSSPLRIPGZ		2,277551163	1,134008392	
351	GSRGSGSSV	Desmin	1,093083264	0,380533897	
352	DAGASPVEK	myristolated alanine-rich C-kinase substrate (MARCKS)	2,668723187	1,186568635	
353	DRRVSVAAE	cAMP-dependent protein kinase II (PKA)	0,923476739	0,200976982	
354	GGRASDYKS	Myelin basic protein	0,814963215	0,088530199	
355	GVDTYVEMR	Macrophage colony stimulating factor I receptor	0,717085688	0,081427629	
356	EGTHSTKRG	Fibrinogen alpha	0,709085362	0,069328816	
357	ESLESYEIN	Matrix Gla-protein	1,898800109	0,750494445	
358	RVRKTKGKY	glutamate receptor 1	1,77604585	0,032595481	On
359	SNPEYLSAS	Insulin Receptor (IR)	1,093432969	0,067909254	
360	RRSTVA	Protamines Z1 and Z2	2,201089459	0,061240938	On
361	AEPGSPTAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,714162052	0,062807571	
362	AVDGYVKPQ	Signal Transducer and Activator of Transcription 5	1,140803625	0,068822144	
363	DPGVSYRTR	pyruvate dehydrogenase E1	1,191784254	0,204483457	
364	GEINTEDDD	calsequestrin	1,78233579	0,730139103	
365	RLSISTESQ	phosphorylase b kinase alpha	1,281049314	0,518071726	
366	RKEISVR	Glycogen phosphorylase	0,812247482	0,068709735	
367	PGSPQKR	Histone H2	1,754693342	0,502437308	
368	RSGYSSPGS	Microtubule-associated protein tau	4,228174959	1,559470657	On
369	SLRASTSKS	40S ribosomal protein S6	1,657277646	0,058107955	On
370	VRKISGL	Histone H4	0,776623691	0,140656993	
371	ADGVYAASG	Tyrosine-protein kinase transforming protein Fes	0,620670367	0,17515123	
372	TGFLTEYVA	myelin	0,77139777	0,186834968	
373	TVSTSLGHS	muscarinic acetylcholine receptor M2	0,853622053	0,116222843	
374	YDKEYYSVH	Receptor tyrosine kinase for hepatocyte growth factor	1,405927237	0,261568207	
375	RKLKSQGTR	spermatid nuclear transition protein 2	0,547014107	0,049498534	
376	NRKPSKDKD	Gamma-aminobutyric-acid receptor gamma	2,236186088	0,464154613	On
377	LRRASPG	pyruvate kinase	1,510157429	0,492205149	
378	YMAPYDNYV	platelet-derived growth factor receptor	1,223363191	0,064980225	On
379	SSKAYGNGY	Beta-2 adrenergic receptor	0,814645984	0,180131567	
380	PLTPSGEAP	EGF Receptor	2,331539863	1,006788363	
381	RRRRPTPA	pyruvate kinase	2,495869107	0,422863082	On
382	TEGQYQPQP	Proto-oncogene tyrosine-protein kinase Lck	1,249291855	0,173570327	
383	TSSSIFDI	DNA topoisomerase II	0,907201713	0,287324083	
384	PPSPSLSRH	Glycogen [starch] synthase	1,642741668	0,119479936	On
385	SSKRAKAK	Myosin regulatory light chain 2	3,609559934	0,722883884	On
386	KRKNSILNP	cystic fibrosis transmembrane conductance regulator	0,839216894	0,110866629	
387	LNRMSFASN	acetyl-CoA carboxylase	1,035080808	0,117121035	
388	QRHGSKYLA	Myelin basic protein	0,948190222	0,080769013	
389	SRTASFSES	ATP-citrate (pro-S-) lyase	3,677554954	0,229567421	On
390	KRPSDRAKA	Myelin basic protein	0,926509647	0,165395576	
391	LRGPSWDPF	Heat Shock Protein 27	0,976493316	0,331091501	

392	QRSTSTPNV	RAF proto-oncogene ser/thr-protein kinase	0,536833937	0,154878362	
393	HDALSGSGN	galectin-3	0,693912708	0,063176965	
394	KRPSQRAKY	Myelin basic protein	0,9344076	0,054754945	
395	EDNEYTARE	Tyrosine-protein kinase Hck	2,156120611	1,050623058	
396	ENAFSPSRS	caldesmon	0,83990051	0,154161575	
397	HKSGYLSSE	Connection of cytoskeletal structure to plasma membrane	1,527926546	0,106603753	On
398	LAYESHESM	Matrix Gla-protein	0,819197896	0,082757815	
399	PYKFPSSPLRIPGZ		3,875410144	0,870992071	On
400	GHQGTVPSPD	Beta-2 adrenergic receptor	1,390255652	0,220812125	
401	ANDEYFIRK	Acetylcholine receptor protein beta	1,048585208	0,221983366	
402	DEASTTVSK	Rhodopsin	0,626853663	0,033146965	
403	FEARYQQPF	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,784767503	0,493999658	
404	GLLRSWNDP	Prolactin	0,704364672	0,052262971	
405	DTVTSQRA	Proto-oncogene tyrosine-protein kinase Src	3,586094156	0,759542159	On
406	EKHHSIDAQ	Phosphoenolpyruvate carboxylase 1	2,038443421	0,367683642	On
407	RRASTIEMP	Cardiac phospholamban	1,833904337	0,17207648	On
408	SDEESNDDS	calsequestrin	1,062104311	0,289334845	
409	NVFSSPGGT	Actin and myosin binding protein	0,843417061	0,132704899	
410	RRASF	pyruvate kinase	2,998668785	0,314848943	On
411	AKGGTVKAA	annexin IV	1,042193786	0,261559824	
412	DDEITQDEN	muscarinic acetylcholine receptor M2	1,067160937	0,209471227	
413	ETDDYAEII	Focal adhesion kinase	0,683593015	0,396747316	
414	YTTNSPSKI	transcriptional factor SWI7	0,98242201	0,187967978	
415	SPLKSPYKI	Retinoblastoma-associated protein	0,836149058	0,223750322	
416	RKRRTRKE	Histone H2B	1,110211483	0,259898332	
417	RPPGFTPFR		0,799945298	0,084252238	
418	SASGTPNKE	caldesmon	0,62833505	0,098803764	
419	NSVDTSSLS	Glycogen [starch] synthase	0,571051852	0,210881476	
420	LRANSI	cystic fibrosis transmembrane conductance regulator	1,24780823	0,235244138	
421	SSSSPSRR	Lamin B receptor	1,590729569	0,349937166	
422	TKSASFLKG	nodulin-26	1,076002477	0,133034582	
423	VESLSSSEE	Beta casein	1,67918276	0,720837533	
424	YRRNSVRFL	Neutrophil cytosol factor 3	1,937958704	0,240454378	On
425	SPALTGDEA	Insulin receptor substrate 4	2,831353865	0,292478421	On
426	RKQITVR	Glycogen phosphorylase	0,766029765	0,224211903	
427	VHNRSKINL	HMG-CoA reductase	0,943233532	0,088204406	
428	SPVHSIADE	fructose-1,6-bisphosphatase	0,847113085	0,086298433	
429	LRRASLGAF	pyruvate kinase	0,771583814	0,02364779	
430	PRKGSPRKG	Histone H2B.2	1,822516496	0,749920429	
431	SSPGSPGTP	Microtubule-associated protein tau	0,880739898	0,302935044	
432	TKAASEKKT	myelin	0,551152869	0,161990248	
433	LRRSSSVGY	Acetylcholine receptor protein delta	2,302038812	0,365194781	On
434	PSEKSEEIT	astrocytic phosphoprotein PEA-15	0,595399705	0,135434679	
435	KAQEYFNIK	Acetylcholine receptor protein delta	0,668747968	0,065811717	
436	KRQSSTSNA	phosphorylase b kinase beta	1,85602375	0,187410843	On
437	QKRPSQRSKYL	Myelin basic protein	1,235555239	0,476648734	
438	QSPSSSPH	phosphorylcholine transferase	2,412787484	0,556538764	On
439	KGHEYTNIK	Protein-tyrosine phosphatase 2	0,674246123	0,101314285	
440	KRRSSSYHV	Sodium channel protein type II alpha	2,206439309	0,264330496	On
441	KAKQISVRGL	Glycogen phosphorylase	1,126037459	0,02234093	On
442	HSIYSSDDD	Myb proto-oncogene protein	1,447613408	0,567101152	
443	LVMQTAAGT	myosin light chain kinase	0,778613153	0,051609573	
444	EEELYLEPL	Tyrosine-protein kinase receptor	0,740602885	0,135885409	
445	EQLSTSEEN	Alpha-S2 casein	2,256755231	0,567829139	On
446	IDMESQERI	Transcription factor AP-1	1,746002885	0,191532447	On
447	MILLSELSR	eukaryotic translation initiation factor 4F	1,589405822	0,34956864	

448	PYKFPSSPLRIPGZ		1,465051197	0,567600955	
449	GPAASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,662952275	0,154169101	
450	AQAASPAKG	Protein tyrosine phosphatase 1B	1,239861345	0,404752724	
451	DHSRSTKAA	myelin	0,989789	0,070846735	
452	FPFHSPSRL	Alpha crystallin B	1,230570431	0,136261884	
453	GRILTLPRS	Insulin Receptor (IR)	0,90942493	0,092621645	
454	EDVGSDEED	Heat Shock Protein 90-beta	0,850157352	0,210794984	
455	ENTVSTSLG	muscarinic acetylcholine receptor M2	0,698634509	0,2048102	
456	RRQHSYDTF	glutamate (NMDA) receptor epsilon	1,166859815	0,223901063	
457	SFMMTPYVV	Stress-activated protein kinase JNK1	0,667362689	0,074172236	
458	PGTESFVNA	Beta-2 adrenergic receptor	1,353722234	0,136409545	On
459	SDEEV	Troponin T	0,767134834	0,087498605	
460	APQTPGGRR	Myelin basic protein	1,830907223	0,076282424	On
461	DFPLSPPKK	stathmin	1,2915712	0,16481821	
462	FKAFSPKGS	Actin and myosin binding protein	2,119764832	0,047203619	On
463	RDSNYISKG	platelet-derived growth factor receptor	0,738507412	0,134917215	
464	DDEESESD	synaptic vesicle amine transporter	1,267385046	0,073872375	On
465	VKRISGL	Histone H4	1,403382689	0,480472136	
466	RRKDYPALH		0,875087584	0,135329513	
467	SEKKSGLG	myelin	1,489905968	0,102995367	On
468	PPSAYGSVK	Annexin II	0,799307689	0,009407079	
469	RRFSV	pyruvate kinase	0,727178572	0,045063362	
470	STRRSVGRS	multidrug resistance protein 1	0,855854836	0,215210042	
471	TQSTSGRRR	cAMP response element-binding protein CRE-BP2	2,863717521	0,336022975	On
472	VNELSKDIG	Alpha-S1 casein	2,875274525	0,696451319	On
473	RAGETRFTD	elongation factor 3	1,908345022	0,663204873	
474	SPSPSFRWP	phosphorylcholine transferase	1,230008061	0,347286639	
475	RVSGSRR	Lamin C	2,778084391	0,26519266	On
476	VRLRSSVPG	vimentin	0,857567837	0,161070986	
477	SRKLSDFGQ	Phenylalanine-4-hydroxylase	1,431089395	0,083843738	On
478	LSGFSEKKN	myristolated alanine-rich C-kinase substrate	0,761034818	0,085816361	
479	PSRRSRSRS	Lamin B receptor	1,609330645	0,3111552	
480	STDYYREGP	TrkC tyrosine kinase	0,628002663	0,157103551	
481	TPAISPSKR	deoxyuridine 5'-triphosphate nucleotidohydrolase	0,880796713	0,186412025	
482	LVVASAGPT	RNA polymerase alpha	3,051645564	0,358006415	On
483	PVPEYINQS	EGF Receptor	0,675292015	0,106079847	
484	KKAESPVKE	neurofilament triplet M	0,691413891	0,028787999	
485	KSLNYIDLD	Insulin receptor substrate 5	1,082700952	0,224042487	
486	KRKQISVRGL	Glycogen phosphorylase	0,816549823	0,032752838	
487	SRGDYMTMQ	Insulin receptor substrate 6	0,861042547	0,221002561	
488	KKKSGGEDD	eukaryotic translation initiation factor 4F	0,684562016	0,095702756	
489	KTSPSSSPA	phosphorylcholine transferase	1,116437042	0,675483417	
490	PRRRSSFGI	Acetylcholine receptor protein gamma	3,503184847	0,748959971	On
491	IGSVSEDNS	acetyl-CoA carboxylase	0,786827046	0,085166988	
492	NAPVSALGE	Myb proto-oncogene protein	0,611466805	0,12293596	
493	EETPYSYPT	Paxillin	2,441793895	0,141967747	On
494	ERSPSPSFR	phosphorylcholine transferase	2,418490155	0,873964298	
495	IRKYTMRRL	Receptor tyrosine-protein kinase erbB-2	1,240072159	0,154641117	
496	NEEESYSY	RNA polymerase alpha	1,068990548	0,261539648	
497	PYKFPSSPLRIPGZ		1,196321882	0,193106039	
498	GRRQSLIED	Tyrosine 3-monooxygenase	0,753581047	0,130395723	
499	ASATSSSGG	Glycogen [starch] synthase	0,839312572	0,105943977	
500	DLPMSPRTL	Signal Transducer and Activator of Transcription 3	0,817864121	0,055387129	
501	GDLQSAEFH	Cystatin	1,091426706	0,212851548	
502	GSEEMYNMD	Insulin receptor substrate 3	2,968238757	0,071604199	On
503	EENTYDEYE	Cortactin	0,960932068	0,115132943	

504	ERRKSHEAE	stathmin	0,639759342	0,181199284	
505	RRRVTSATR	glial fibrillary acidic protein	1,654593925	0,081502162	On
506	SKDSSKRGR	myelin	3,114940581	0,072026258	On
507	MSVEEV	eukaryotic translation initiation factor 4E	0,689152743	0,296361493	
508	AALESEDED	eukaryotic translation initiation factor 4F	1,350066613	0,32527701	
509	ARKSTRRSI	pleckstrin	0,652719207	0,271794881	
510	DLFGSDDEE	elongation factor 1-beta	3,303293778	1,151647798	
511	FRRLSISTE	phosphorylase b kinase alpha	0,979152805	0,092074027	
512	RGAISAEVY	cAMP-dependent protein kinase (PKA)	0,760041411	0,200259612	
513	RKISASEF		1,068126472	0,436710624	
514	LHRASLG	pyruvate kinase	4,598544094	2,119969563	
515	RRRPTPAML	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,288684702	0,371627706	
516	SGYSSPGSP		0,421415113	0,044018455	
517	LGEGTP	Calgranulin B	1,044427688	0,178662347	
518	RRLSSLRA	40S ribosomal protein S6	1,091688982	0,138096521	
519	TAESSQAE	Neuromodulin	0,901774123	0,191727398	
520	TRRASFSAQ	Regulatory protein ADR1	0,954347206	0,161509372	
521	VSRTSAVPT	Desmin	0,713509544	0,16528714	
522	REQLSTSEE	Alpha-S2 casein	0,735326719	0,201477239	
523	LSYRGYSL		0,782510883	0,189927144	
524	KASGSSP		0,892805769	0,040755603	
525	VVGGSRLGA	Protein tyrosine phosphatase 1B	3,327306	0,236774181	On
526	SRRPSYRKI	cAMP response element binding protein	1,470065451	0,099863547	On
527	PEGDYEEVL	Hematopoietic cell-specific LYN substrate	2,264612201	0,050247017	On
528	QEGDTDAGL		0,744747867	0,094774888	
529	SVFSSPAS	caldesmon	0,765163338	0,108438995	
530	TRKISQTAQ	ryanodine receptor	1,321793131	0,144205596	On
531	PINGSPRTP	Retinoblastoma-associated protein	1,075606661	0,118590976	
532	KQISVRGL	Glycogen phosphorylase	1,060128671	0,041018659	
533	KLINSIADT	Serine/threonine-protein kinase STE7	1,136739471	0,118119046	
534	LDDQYTSSS	Tyrosine-protein kinase Tec	2,050569759	0,613216572	
535	PYDNYVPSA	platelet-derived growth factor receptor	0,716272187	0,068528549	
536	SRQLSSGVS	Heat Shock Protein 27	0,717581285	0,078869654	
537	KNIVTPRTP	Myelin basic protein	1,005115375	0,252948976	
538	LKLASPELE	Transcription factor AP-2	2,567072109	0,759906878	
539	QLIDSMANS	mitogen-activated protein kinase kinase 1	0,856936396	0,234745346	
540	IVYKSPVVS		4,414721781	2,091616634	
541	NGYISAAEL	Calmodulin	1,220988738	0,252225052	
542	EILNSPEKA	14-3-3 protein alpha/beta/delta/zeta	1,977130798	0,45321199	On
543	ESPESTEIT	insulin-like growth factor binding protein 1	0,651413845	0,289318521	
544	KRPSHRAKA	Myelin basic protein	0,637235229	0,029123104	
545	NNYVYIDPT	Mast/stem cell growth factor receptor	1,089124416	0,387083081	
546	PYKFPSSPLRIPGZ		0,760954987	0,185617855	
547	GSPRTPRRG	Retinoblastoma-associated protein	1,266022923	0,195212381	
548	DADEYLIPQ	EGF Receptor	0,667026414	0,123219029	
549	DRLVSARSV	Receptor tyrosine kinase for hepatocyte growth factor	2,149728166	0,633263088	
550	GGLTSPGLS	Keratin 8	2,622100218	0,273389593	On
551	GTVPSDNID	Beta-2 adrenergic receptor	0,60343379	0,029117526	
552	EGSAYEEVP	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,01743147	0,120044147	
553	ESIISQETY	Alpha-S2 casein	0,846340067	0,180194668	
554	RVRKSKGKY	glutamate receptor 2	0,78355977	0,069803761	
555	SNDSTSVSA	muscarinic acetylcholine receptor M2	4,035336997	0,362635074	On
556	RRPTVA	Protein phosphatase inhibitor 2	1,775422725	0,132430144	On
557	AEPDYGALY	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase	1,105290472	0,151337418	
558	AVASSPSKA	myristolated alanine-rich C-kinase substrate (MARCKS)	0,885561504	0,179802354	
559	DPGTSYRTR	pyruvate dehydrogenase E1	2,250560712	0,807641306	

560	GEGTYGVVY	cell division control protein 2	0,688064642	0,097660169	
561	RLRLSPSPT	Lamin C	1,747173419	0,203286201	On
562	RKASRKE	Histone H2B	1,153704825	0,302570637	
563	LRRWSLG	pyruvate kinase	1,572456762	0,376716911	
564	RRVTSATRR	glial fibrillary acidic protein	1,104953787	0,119390884	
565	SLQASIVTD	guanine nucleotide-binding protein alpha	0,828667024	0,19212457	
566	RRATPA	pyruvate kinase	1,090407396	0,084735771	
567	ADGIYAASG	Tyrosine-protein kinase transforming protein Fes	0,789317571	0,063670335	
568	TGDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,892980424	0,233831369	
569	TVSKTETSQ	Rhodopsin	1,94327631	0,227098589	On
570	WTSDTQGDE	14-3-3 protein zeta	2,445386468	0,650490853	On
571	RKFSSARPE	Sodium channel protein	2,39235729	0,549022834	On
572	KKKKASVA	pyruvate kinase	1,536919731	0,146612755	On
573	LRRASLG	pyruvate kinase	1,068989346	0,271979894	
574	YKNDYYRKR	Ros proto-oncogene tyrosine kinase	0,61494953	0,09620711	
575	SSEITTKDL	Prothymosin	1,369676973	0,615120565	
576	PLSRTLVS	glycogen synthase	0,924038126	0,213010617	
577	LRRASLRG	pyruvate kinase	1,423593032	0,32939739	
578	TEGQYELQP	Tyrosine-protein kinase Blk	0,691925049	0,05708564	
579	TSPSSPAS	phosphorylcholine transferase	1,863591048	0,524574957	
580	PPSAYGSVK	Annexin II	0,958873886	0,249479922	
581	RTKRSGSV	phosphorylase b kinase beta	1,191675288	0,20007864	
582	KRFGSKAHM	nitric-oxide synthase	1,253430043	0,244480049	
583	LNDSEEEED	E7 protein	1,538036609	0,38470506	
584	QRATSNVFA	Myosin regulatory light chain 3	0,773314357	0,1893127	
585	SRSRTPSLP		1,867384469	0,819574572	
586	KRPSARAKA	Myelin basic protein	1,107991997	0,308763478	
587	LRAPSWIDT	Alpha crystallin B	1,438831412	0,470840473	
588	QRRTSVSGE	cAMP-dependent protein kinase	0,752300742	0,218159425	
589	HATPSPVD	Myb proto-oncogene protein	0,949903437	0,158608221	
590	KRPSQRAKA	Myelin basic protein	0,947740114	0,068312277	
591	EDAESEDEE	Nucleophosmin	1,067723707	0,160412452	
592	ENAEYLRVA	EGF Receptor	0,707629884	0,261422078	
593	HKRKSSQAL	Transforming protein erbA	1,583609626	0,439395048	
594	LAYESHESL	Matrix Gla-protein	0,836600275	0,076210668	
595	PYKFPSSPLRIPGZ		0,742961726	0,221775849	
596	GGVDYKNIH	Macrophage colony stimulating factor I receptor	0,700385947	0,082030193	
597	ALRPSTSR	vimentin	1,763004822	0,516902667	
598	DEAATKTQT	myosin II heavy chain	0,922219273	0,294633702	
599	FARKSTRRS	pleckstrin	0,856334207	0,094823302	
600	GLGESRKDK	myelin	1,39290204	0,487399787	
601	DTHRTPSRS	Proto-oncogene tyrosine-protein kinase Src	0,848999626	0,021436253	
602	EKESSNDST	muscarinic acetylcholine receptor M2	3,064732702	0,03490472	On
603	RRAISGDLT	dihydropyridine-sensitive calcium channel	1,529814558	0,172737279	On
604	SAYRSVDEV	2-oxoisovalerate dehydrogenase alpha	0,562016319	0,021139314	
605	NTVSTSLGH	muscarinic acetylcholine receptor M2	0,691139555	0,08393816	
606	RASLG		0,513508934	0,07658569	
607	AKDASKRGR	myelin	0,855067107	0,077555066	
608	DDEASTTVS	Rhodopsin	1,289946807	0,154003164	
609	ETAESSQAE	Neuromodulin	2,280715059	1,027413993	
610	YTRFSLARQ	Transferrin receptor protein 1	1,352953594	0,133571648	On
611	SPKQSPSSS	phosphorylcholine transferase	0,727869557	0,131085769	
612	RKRSRKE	Histone H2B	0,840043942	0,128402593	
613	RPPGFSPFR		2,86273723	1,296280646	
614	SARVYENVG	Protein-tyrosine phosphatase 3	2,939199028	0,403627778	On
615	NRSASEPSL	RAF proto-oncogene ser/thr-protein kinase	1,264595018	0,25721402	

616	KGYSLG	Lysozyme C	0,66072143	0,095354351	
617	SSSSSPKAE	myristolated alanine-rich C-kinase substrate (MARCKS)	0,610491779	0,066189232	
618	TKKTSFVNF	eukaryotic translation initiation factor 2 beta	0,667944081	0,083438984	
619	VEPLTPSGE	EGF Receptor	2,530406148	0,252131438	On
620	YRLPSNVQ	Alpha crystallin A	0,650647825	0,078322718	
621	SPAISIHEI	phosphorylase b kinase alpha	0,804279506	0,179815274	
622	RKQISVR	Glycogen phosphorylase	1,554823143	0,267777908	
623	VGWPTVRER	Nef	0,992290757	0,231101458	
624	QTYRSFHD	cGMP-dependent protein kinase (PKG)	0,727002789	0,005331771	
625	LRRASLGAA	pyruvate kinase	0,964544919	0,088963666	
626	PRKGGSPKRG	Histone H2B.2	1,854912378	0,350219092	On
627	SSPASLSRA	phosphorylcholine transferase	0,803756882	0,096537432	
628	TKAASEKKS	myelin	1,276668022	0,489273752	
629	LRRPSDQEV	c-Rel proto-oncogene protein	3,496820485	0,529354944	On
630	PSAPSPQPK	Tyrosine 3-monooxygenase	1,08252473	0,0638468	
631	KAKVTGRWK	troponin T	0,941064712	0,267926442	
632	KRPTQRAKY	Myelin basic protein	2,088295116	0,167715357	On
633	PLSRTLVRSL	Glycogen [starch] synthase	1,10072135	0,324353832	
634	QSPGSPLEE	Neutrophil cytosol factor 5	3,017486576	0,738841822	On
635	KGGYSQAA	HLA class I histocompatibility antigen B7	5,39573242	0,940281465	On
636	KRRRSSKDT	glutamate (NMDA) receptor subunit zeta 4	0,787712516	0,130762636	
637	KAQISVRGL	Glycogen phosphorylase	2,531297503	1,015286651	
638	HRTPSRSFG	Proto-oncogene tyrosine-protein kinase Src	1,763816986	0,289265315	On
639	LSGFSEKKN	myristolated alanine-rich C-kinase substrate	1,440254241	0,250869464	
640	EEEEYMPME	Middle T antigen	0,622541532	0,136146493	
641	EQFSTVKGV	G protein-coupled receptor kinase 6	1,76421994	0,743694456	
642	IDKISRIGF	glycine receptor alpha	0,876613223	0,124309178	
643	MHRQETVDA	calcium/calmodulin-dependent protein kinase type II alpha	1,290201513	0,19255177	
644	PYKFPSSPLRIPGZ		0,833605625	0,069512039	
645	GNHTYQEIA	Paxillin	1,886529138	0,640624764	
646	APVASPAAP	synapsins IA and IB	0,696159284	0,024890551	
647	DGNNSEDES	caldesmon	0,635957887	0,20218605	
648	FMTEYVTR	mitogen-activated protein kinase MSK7	0,841368253	0,170573741	
649	GRGLSLSRF	Myelin basic protein	1,139504733	0,063334703	On
650	EDTLSDSDD	N-myc proto-oncogene protein	0,882414503	0,104826	
651	ENQASEEED	Dopamine- and cAMP-regulated neuronal phosphoprotein	1,958612214	0,920354118	
652	RRPTSPVSR	Early E1A	1,136772538	0,124233885	
653	SFMDSSGLG	anti-sigma F factor antagonist	0,847910339	0,108181455	
654	QKRPSQRSK	Myelin basic protein	6,033272747	0,286098651	On
655	SDEEH	initiation factor 5A	0,856638272	0,172483942	
656	APLTPGGRR	Myelin basic protein	2,913661205	1,867515998	
657	DEPSTPYHS	Protein phosphatase inhibitor 2	0,936336548	0,248108766	
658	FGSRSLYGL	keratin, type II	1,277495335	0,182334961	
659	RDPVTENAV	muscarinic acetylcholine receptor M2	0,975180442	0,246634212	
660	AVRRSDRA	Troponin I	0,900882519	0,209405189	
661	VKRGSL	Histone H4	1,310554221	0,422579337	
662	RRKDTPALH		2,490327431	0,342984266	On
663	SEITTKDLK	Prothymosin	0,961839217	0,342342471	
664	PNVSYIASR	protein kinase shaggy	2,143714399	0,714600721	
665	RRDSV	pyruvate kinase	0,703698732	0,096844168	
666	STRRSIRLP	pleckstrin	0,79354209	0,239597941	
667	TPQVSDTMR	glycogenin	0,598426542	0,238186351	
668	VNATYVNVK	Receptor tyrosine kinase for hepatocyte growth factor	1,157943459	0,404896687	
669	RAAHSIKGG	Chemotaxis protein cheA	1,773878088	0,127501343	On
670	SPSLSRHSS	Glycogen [starch] synthase	1,094757378	0,512832259	
671	RTPPPSG	Myelin basic protein	0,689412691	0,193953867	

672	VRKRTLRL	EGF Receptor	0,81728557	0,09700276	
673	SRKSGFGH	gap junction beta-1 protein	0,624236773	0,051821023	
674	LSGESDLEI	DNA topoisomerase II	1,112173454	0,160799895	
675	PSQRSKYLA	Myelin basic protein	0,96351842	0,207866035	
676	STDEYLDLS	Receptor tyrosine kinase	1,227524966	0,304942898	
677	TNHIYSNLA	Mast/stem cell growth factor receptor	1,536815411	0,773884373	
678	LSRHSSPHQ	Glycogen [starch] synthase	0,779335262	0,116923559	
679	PTRHSRVAE	Lamin	0,772117547	0,162447822	
680	KISITSRKA	GTP-binding protein era	0,792872785	0,097724642	
681	KSKISASRK	troponin I	0,886482091	0,200376777	
682	KRKQISVGGL	Glycogen phosphorylase	1,521715937	0,429796044	
683	SRALSRQLS	Heat Shock Protein 27	0,996308801	0,315287908	
684	KKKFSFKKP	MARCKS-related protein	1,782815079	0,267884952	On
685	KTRSSRAGL	Histone H2A	2,228500314	0,396589213	On
686	PAPGSPPEP	Early E1A	1,167433696	0,287929403	
687	IGSESTEDQ	Alpha-S1 casein	1,069688395	0,117697702	
688	MRRNSFTPL	fructose-2,6-bisphosphatase	2,492186462	0,535566555	On
689	EEQEYVQTV	Annexin I	0,883059014	0,26043551	
690	ERRVSNAGG	vasodilator-stimulated phosphoprotein	0,976897821	0,114977037	
691	IREESPPTS	Glycoprotein IV	0,634641671	0,208096239	
692	NDSVYANWM	Probable receptor with tyrosine-protein kinase activity	2,738172427	0,410102474	On
693	PYKFPSSPLRIPGZ		0,844897647	0,072825688	
694	GRRESLTSF	inositol 1,4,5-trisphosphate-binding protein	1,079983435	0,17337949	
695	ARVFSVLRE	Ser/Thr poetin phosphatase 2B	1,907894562	0,091821044	On
696	DLPLSPSAF	tristetraproline	1,021078555	0,376978737	
697	GDKKSKKAK	Na+/K+ ATPase 1	1,026200146	0,132726125	
698	GSDVSFNEE	DNA topoisomerase II	1,288109755	0,325218736	
699	EEKGSPLNA	Protein tyrosine phosphatase 1B	1,704826836	0,077865729	On
700	ERQKTQTKL	myosin light chain kinase	2,630134349	0,511057372	On
701	RRRSSKDTS	glutamate (NMDA) receptor subunit zeta 3	0,740393072	0,18519313	
702	SKAGSLGNI		2,028540213	0,692045516	
703	MSGDEM	eukaryotic translation initiation factor 2 beta	0,899842172	0,181061426	
704	AAATTPAAE	neuromodulin	1,253408402	0,399789008	
705	ARKKSSAQL	ras-related protein rap-1b	0,788049679	0,105256619	
706	DKVTSPTKV	caldesmon	1,875884577	0,071737743	On
707	FRRFTPDSL	Sodium channel protein	1,534196571	0,331858066	
708	RFTDTRKDE	elongation factor 4	0,984633562	0,119274058	
709	RKISASEA		0,820550628	0,23260021	
710	LARASLG	pyruvate kinase	1,62869574	0,282906358	On
711	RRRLSSLRA	40S ribosomal protein S6	1,12744499	0,072056553	
712	SGYISSLEY	Complement C1r	3,505696671	1,254419481	
713	LARNSI	cystic fibrosis transmembrane conductance regulator	1,637039816	0,967962614	
714	TIAVG	Photosystem Q(A)	1,770329973	0,376221077	
715	TADISEDEE	phosphorylcholine transferase	0,704476606	0,09222162	
716	TRQTSVSGQ	synapsins IA and IB	2,313845634	1,184199635	
717	VSEEYDLDR	Fibroblast growth factor receptor 4	1,089019174	0,144106711	
718	REQESSGEE	Protein phosphatase inhibitor 2	1,126085032	0,313586323	
719	GTKRSGSV	phosphorylase b kinase beta	0,68987468	0,068925152	
720	NRLQTMKEE	Lamin C	0,829416147	0,092007615	
721	VVELSGESD	DNA topoisomerase II	0,849654656	0,129689347	
722	SRRPSRATW	Vitronectin	0,909519004	0,190948495	
723	PASQTPNKT	Proto-oncogene tyrosine-protein kinase Src	0,790001848	0,119567763	
724	QDPVSPSLV	muscarinic acetylcholine receptor M2	1,000569883	0,16828233	
725	STTVSKTET	Rhodopsin	0,816026971	0,192641284	
726	TRKISASEF		0,723091625	0,064973575	
727	PGPQSPGSP	Neutrophil cytosol factor 4	1,113458707	0,037247661	On

728	KQGSGRGL	Glycogen phosphorylase	3,943039299	0,247776148	On
729	KKSWSRWTL	parathyroid hormone/parathyroid hormone-related peptide	1,113976055	0,131170628	
730	LASSSKEEN	Cystatin S	1,073700431	0,077010452	
731	PLRRTLVA	glycogen synthase	0,604797501	0,064741832	
732	SRPSSNRSY	vimentin	1,221122736	0,230174777	
733	KNDYYRKRK	Ros proto-oncogene tyrosine kinase	1,265235794	0,236253445	
734	LIEDAEYTA	Proto-oncogene tyrosine-protein kinase Lck, Fyn, Yes	1,793169106	0,20376097	On
735	QKAQTERKS	troponin T	0,88040102	0,041628936	
736	ISTESQPNG	phosphorylase b kinase alpha	1,305650098	0,451068875	
737	NGNNYVYID	Mast/stem cell growth factor receptor	3,201305197	1,420533613	
738	EIKKSWSRW	parathyroid hormone/parathyroid hormone-related peptide	0,693110391	0,082437317	
739	ESPASDEAE	Nonhistone chromosomal protein HMG-14	0,822765036	0,072356312	
740	KRKSSQALV	Transforming protein erbA	1,173446629	0,301971041	
741	NNMPSSDDG	muscarinic acetylcholine receptor M2	1,450926123	0,212854416	
742	PYKFPSSPLRIPGZ		3,644650118	0,549231961	On
743	GSPGTPGSR		1,200457157	0,343224134	
744	AVVRTPPKS		0,963633138	0,21396553	
745	DRKLSTKEA	multidrug resistance protein 2	2,865070631	1,155881239	
746	GGIRSLNVA	isocitrate dehydrogenase	1,050055288	0,246740493	
747	GTRLRLARM	glial fibrillary acidic protein	1,653814166	0,255500949	On
748	EGNKSPAPK	Actin and myosin binding protein	3,050021916	0,949491805	On
749	ESHESMESY	Matrix Gla-protein	3,001065309	0,210540981	On
750	RVRISADAM	Troponin I	1,722962835	0,31449145	On
751	SNDDSDDDD	casequestrin	3,34764043	0,103480747	On
752	RRPTPA	Protein phosphatase inhibitor 3	1,530242627	0,146809581	On
753	AEGSSNVFS	Myosin regulatory light chain 2	3,101088098	0,283027596	On
754	AVADSESED	cAMP-dependent protein kinase II (PKA)	1,147339001	0,296001316	
755	DNPDYQQDF	EGF Receptor	3,680480395	0,680559742	On
756	GDVKYADIE	platelet-derived growth factor receptor	2,090750678	0,06486529	On
757	RLQDYEEKT	Connection of cytoskeletal structure to plasma membrane	1,372198814	0,389989114	
758	FKKSFKL	myristolated alanine-rich C-kinase substrate	3,831547532	1,211595755	On
759	LRRPSLG	pyruvate kinase	1,943946618	0,357153791	On
760	RRVRSQEPG	somatostatin receptor type 4	0,910227092	0,193395948	
761	SLDDSGSAM	alpha-1B adrenergic receptor	5,126081683	0,462496654	On
762	RRASVA	pyruvate kinase	1,62594712	0,416955506	
763	ADDEYAPKQ	Tyrosine-protein kinase Src64B	0,529326447	0,095638191	
764	TESQYQQQP	Tyrosine-protein kinase Hck	0,719234924	0,151102711	
765	TVKSSKGGP	Annexin I	0,731823879	0,067893116	
766	WTSDSAGEE	14-3-3 protein tau	1,421053918	0,127045249	On
767	RKAASVIAK	DNA polymerase beta	0,734829028	0,092746938	
768	LRRASLDG	pyruvate kinase	1,847387871	0,393756014	On
769	LRRASGG	pyruvate kinase	0,890374754	0,102297685	
770	YHTTSHPGT	Band 3 anion transport protein	1,42458623	0,495359847	
771	SSEESITRI	Beta casein	1,541450462	0,53633795	
772	PLAGSPVIA	casein kinase II	0,730557114	0,029849602	
773	LGSPLRRR	vimentin	2,865027607	0,750096688	On
774	TEDQYSLVE	PI3-kinase p85-alpha	3,932400592	0,829647227	On
775	TRTYSLGSA	vimentin	1,864542352	0,266080339	On
776	PPSAYATVK	Annexin II	1,112786821	0,128922553	
777	RTKRSGSV	phosphorylase b kinase beta	1,709183981	0,31066855	On
778	KREASLDNQ	Phytochrome A	0,709702652	0,274868552	
779	LMDKYHVDN	Early E2A	0,692766918	0,048271727	
780	QQGMTVYGL	calponin alpha and beta	1,413396855	0,598845315	
781	SRSRSRSRS	Lamin B receptor	3,035240238	0,439811536	On
782	KRNSSPPPS		1,268981774	0,053388446	On
783	LQRYSSDPT	EGF Receptor	2,957625518	0,506453347	On

784	QRRTSLTGS	Volt.-dep. L-type calcium channel alpha-1S	2,375802681	0,553468385	On
785	GVRQSRASD	T-cell surface glycoprotein CD3 gamma	0,613414124	0,11824	
786	KRPSNRAKA	Myelin basic protein	1,6968906	0,378512443	
787	EAVTSPRFI	Tyrosine 3-monooxygenase	0,745421666	0,119960947	
788	EMTGYVATR	Mitogen-activated protein kinase p38	1,352471427	0,245038686	
789	HKIKSGAEA	DNA polymerase beta	0,809246096	0,197754573	
790	LARRSTTDA	Choriogonadotropin beta	0,741883762	0,307381556	
791	PYKFPSSPLRIPGZ		1,018776378	0,232998868	
792	GGTGTPNKE	Actin and myosin binding protein	1,048188179	0,380871029	
793	ALGISYGRK	TAT protein	1,17518828	0,059485796	On
794	DDSGSAMSG	alpha-1B adrenergic receptor	2,913887222	0,680163779	On
795	EYVQTVKSS	Annexin I	0,632872328	0,147318334	
796	GKTDYMGEA	Beta-2 adrenergic receptor	0,573181922	0,190236707	
797	DSTYYKASK	Focal adhesion kinase	1,598413403	0,190506799	On
798	EKEISDDEA	Heat Shock Protein 90-beta	1,429725387	0,112927582	On
799	RRADSLQKN	iron-responsive element binding protein	3,429163517	0,542721978	On
800	SAYGSVKAY	Annexin II	0,639250855	0,278294889	
801	NTSSSPQPK	p53	0,844284819	0,08903598	
802	GSRRR	protamine	2,113763606	0,330673262	On
803	AKAKTTKKR	Myosin regulatory light chain 2	1,495372055	0,347255565	
804	DDAYSDET	Protein phosphatase inhibitor 2	2,871146176	1,362447907	
805	ESVDYVPMML	platelet-derived growth factor receptor	0,965458913	0,280530473	
806	YSTDYREG	TrkC tyrosine kinase	0,759428013	0,053825641	
807	SPKKSPRKA	Histone H4	0,953947745	0,235750942	
808	RKRSRKA	Histone H2B	1,025250622	0,343885173	
809	RPPASPSQ	synapsins IA and IB	1,196678136	0,105268811	
810	SARLSAKPA	Nonhistone chromosomal protein HMG-14	2,010365073	0,196800571	On
811	NRQSSQARV	Phytochrome A	1,123738071	0,152688255	
812	KEAKSD	Nonhistone chromosomal protein HMG-14	1,900164255	0,182417023	On
813	SSSNTIRRP	fructose-2,6-bisphosphatase	1,156619459	0,195810727	
814	TKKQSFKQT	cystic fibrosis transmembrane conductance regulator	1,739345305	0,239098444	On
815	VDSAYEVIK	L-lactate dehydrogenase M	0,682263779	0,086627058	
816	YRKSSLKSR	spermatid nuclear transition protein 3	0,760136254	0,168237921	
817	SNVSSTGSI		1,60618413	0,598125895	
818	RARSRKE	Histone H2B	0,686963498	0,105971068	
819	VGPGYLGSG	Probable receptor with tyrosine-protein kinase activity	2,225346742	1,11628415	
820	QTVKSSKGG	Annexin I	3,312585973	0,143208362	On
821	LRMFSFKAP	Gamma-aminobutyric-acid receptor gamma-2	1,106122861	0,333904071	
822	PRHLSNVSS		0,87970546	0,04248335	
823	SSNEYMDMK	Mast/stem cell growth factor receptor	2,183622519	0,964217456	
824	THYGSLPQK	Myelin basic protein	0,934438394	0,118663768	
825	LRRPSDQAV	Transforming protein rel	0,786540825	0,134072348	
826	PRRNSRASL	Sodium channel protein type II alpha	1,110938777	0,45776504	
827	KAKTTKKRP	Myosin regulatory light chain 2	0,960811825	0,107662943	
828	KRPSGRAKA	Myelin basic protein	1,275049176	0,281720505	
829	PLSKTSLVSSL	Glycogen [starch] synthase	1,410527274	0,444697044	
830	QSGMTEYVA	Mitogen-activated protein kinase FUS3	2,028742735	0,898548949	
831	KGATSDEED	DNA topoisomerase II	2,440552049	1,164900761	
832	KRRNSEFEI	tryptophan 5-monooxygenase	1,626882191	0,202811907	On
833	LTRRASFSAQ	Regulatory protein ADR1	3,059301324	0,464484779	On
834	HRQETVEAL	calcium/calmodulin-dependent protein kinase type II beta	0,66170679	0,028525122	
835	LRRFSLATM	Cytochrome P450 2B1	1,627331364	0,297316982	
836	EEEAYGWMD	Gastrin	0,754495301	0,102820645	
837	EQESSGEED	Protein phosphatase inhibitor 2	1,937974789	0,771820639	
838	IAADSEAEQ	Insulin receptor substrate 7	0,76029674	0,148635473	
839	MGEASGAQL	Beta-2 adrenergic receptor	1,04377851	0,150482306	

840	PYKFPSSPLRIPGZ		1,944555035	0,474370962	
841	GNGDYMPMS	Insulin receptor substrate 8	0,792878991	0,142434727	
842	APRYPGGRR	Myelin basic protein	0,89839832	0,189062063	
843	DGNKSPAPK	caldesmon	0,87944027	0,15587688	
844	FMTEYVATR	mitogen-activated protein kinase	1,825197232	0,717153301	
845	GRASSHSSQ	Lamin C	3,019526393	0,755286995	On
846	EDSTYYKAS	Focal adhesion kinase	1,600233257	0,267776992	On
847	ENPQYFRQG	TrkC tyrosine kinase	2,512039572	1,411664299	
848	RRPTPATVA	Protein phosphatase inhibitor 4	1,555389135	0,158433661	On
849	SFKLSGFSF	myristolated alanine-rich C-kinase substrate	2,172458934	0,859386442	
850	QEKESERLA	Beta-2 adrenergic receptor	2,882103642	1,444879437	
851	RRVSV	pyruvate kinase	0,974058983	0,056577652	
852	APFTPGGRR	Myelin basic protein	0,822518151	0,024667964	
853	DEKLSEILG	RNA polymerase alpha	0,960088242	0,410105904	
854	FGHNTIDAV	bumetanide-sensitive sodium-(potassium)-chloride cotran	0,718804915	0,096877383	
855	RDEEYGYEA	Gamma-aminobutyric-acid receptor gamma-2	0,60440904	0,057075769	
856	AVRRSDAA	Troponin I	0,867705774	0,061449137	
857	TKRSGSV	phosphorylase b kinase beta	2,714075109	0,39637875	On
858	RRKATQVGE	vasodilator-stimulated phosphoprotein	0,988221166	0,093371348	
859	SEGDSSEGE	Serum response factor	1,772199568	0,118359573	On
860	PLDRSSHAQ	Insulin Receptor (IR)	0,991878583	0,281036586	
861	RRASS	pyruvate kinase	1,200223681	0,066814307	On
862	STPLSPTRI	Lamin A/C	1,622757961	0,118547815	On
863	TPPLSPSRR	Myc proto-oncogene protein	1,598014815	0,396785089	
864	VKRISGLIY	Histone H4	0,958552174	0,285306963	
865	RAAASRARQ	cAMP response element-binding protein CRE-BP3	3,452058897	0,51960214	On
866	SPRTPGGRR	Myelin basic protein	0,870090108	0,075522057	
867	RRRRSVA	pyruvate kinase	1,063826739	0,193315194	
868	VRFESIRLP	Choriogonadotropin beta	2,179612201	0,45995572	On
869	SRKESYSVY	Histone H2B	4,829808133	0,798747221	On
870	LSELSRRRI	eukaryotic translation initiation factor 4F	2,130647745	0,285676921	On
871	PSPSSRVTV	Lamin B1	0,884524876	0,20406475	
872	SSVPTPSPL	casein kinase II	1,261190867	0,493246769	
873	TNEEYLDLS	Fibroblast growth factor receptor 2	0,860543868	0,109210836	
874	LSRFSWGAE	Myelin basic protein	1,599303581	0,653564672	
875	PTKRSPTKR	Histone H2B.1	0,74242334	0,081365487	
876	KISASRLQ	troponin I	1,152692451	0,18090824	
877	KSFGSPNRI	cell division protein kinase 7	0,989439253	0,035259232	
878	KRKQISVAGL	Glycogen phosphorylase	1,044734718	0,18702686	
879	SQHSTPPKK	Large T antigen	3,461245283	1,602370624	
880	KKIDSFASN	acetyl-CoA carboxylase	2,006810827	0,506184571	
881	KTETSQVAP	Rhodopsin	0,876955365	0,022879194	
882	PAAPSPGSS	synapsins IA and IB	0,751047177	0,100175653	
883	IGRFSEPHA	cGMP-dependent protein kinase (PKG)	0,508197846	0,112496947	
884	MQLKSEIKQ	phosphorylase b kinase alpha	1,094240593	0,223639914	
885	EEQEYIKTV	Annexin I	1,762863927	0,211775102	On
886	ERRPSNVSQ	Sodium channel protein type II alpha	1,722188583	0,297959683	On
887	IPPHTPVRT	Retinoblastoma-associated protein	0,441477239	0,047405904	
888	NDSTSVSAV	muscarinic acetylcholine receptor M2	0,343516872	0,138377333	
889	PYKFPSSPLRIPGZ		1,75459788	0,344413895	On
890	GRPITPPRN	ser/thr protein phosphatase PP1-alpha	1,242476927	0,260654962	
891	ARTKRSGSV	phosphorylase b kinase beta	1,882806875	0,309939797	On
892	DLPGTEDFV	Beta-2 adrenergic receptor	0,912248978	0,138463021	
893	GALYSGSEG	Serum response factor	1,269756124	0,343278908	
894	GRVLTLP RS	Insulin Receptor (IR)	0,7758225	0,217328497	
895	EKESSNDS	muscarinic acetylcholine receptor M2	1,907708205	0,86495102	

896	ERNLSFEIK	protein-tyrosine phosphatase G1	1,533610726	0,122833376	On
897	RRRRSRRAS	Protamine Z	3,528390069	0,621455858	On
898	SIYSSDDDE	Myb proto-oncogene protein	1,202946952	0,338424501	
899	HGYSLG	Lysozyme C	1,66079226	0,732687855	
900	AAASFKAQR		1,646397416	0,106591854	On
901	ARKFSSARP	Sodium channel protein	1,182899181	0,225655852	
902	DKEYYSVHN	Receptor tyrosine kinase for hepatocyte growth factor	2,085424066	0,970487859	
903	FRKLSFTES		2,004793213	0,243814815	On
904	RFHKSSKDS	myelin	1,696585402	0,139542012	On
905	RAKRSGSV	phosphorylase b kinase beta	0,621075707	0,099091891	
906	KSESSQK	40S ribosomal protein S6	0,967838804	0,355106067	
907	RRRLSDSNF	synapsins	0,609001952	0,097656069	
908	SGKTSPSSS	phosphorylcholine transferase	0,805800615	0,196968489	
909	KSRRTI	Interleukin-2 receptor alpha	0,764129452	0,105474317	
910	TAILE	Photosystem Q(B)	2,249020985	0,674208442	
911	SYPLSPLSD	Cytosolic phospholipase A2	1,070110711	0,197199358	
912	TRQASQAGP	synapsins IA and IB	0,717435411	0,061838711	
913	VRVYTHEVV	cell division control protein 2	2,793877205	1,328824469	
914	RENEYMPMA	Middle T antigen	1,058613254	0,219629012	
915	GRGLSLSR	Myelin basic protein	1,193243293	0,246534901	
916	YIYGSFK		0,637431974	0,09113053	
917	VTRSSAVRL	vimentin	1,799356061	0,014035653	On
918	SRRLSQETG	cystic fibrosis transmembrane conductance regulator	2,937909575	0,306574562	On
919	PASPSPQRQ	synapsins IA and IB	2,972157131	1,403193731	
920	PWRITDNEL	bumetanide-sensitive sodium-(potassium)-chloride cotran:	1,135582653	0,206103579	
921	STSVSAVAS	muscarinic acetylcholine receptor M2	0,966759981	0,080855537	
922	TRIPSAKKY	astrocytic phosphoprotein PEA-15	2,632377835	0,894578245	
923	PGGSTPVSS	casein kinase II	1,644392592	0,126027839	On
924	QGTLKIFK	Myelin basic protein	1,059645074	0,171444053	
925	KKRLSVERI	DNA topoisomerase II alpha	1,133771108	0,085526728	
926	KYRKSSLKS	spermatid nuclear transition protein 4	1,106157037	0,215050841	
927	PLSRRLSVA	glycogen synthase	0,618747929	0,020997203	
928	SRLHSVRER	sucrose synthase 2	3,711791832	0,583049266	On
929	KNDKSKTWQ	eukaryotic translation initiation factor 4E	0,789388283	0,053213515	
930	LGGGTFDIS	Heat Shock Protein 70	0,980078335	0,104305189	
931	QHLKSVMLQ	Troponin I	0,526520549	0,050990105	
932	ISQESSEEE	high mobility group protein	2,31108883	0,843191733	
933	NGDASPAAA	myristolated alanine-rich C-kinase substrate (MARCKS)	1,170743895	0,065043557	On
934	EHVSSSEES	Alpha-S2 casein	0,667081687	0,211903415	
935	ESMESYEVS	Matrix Gla-protein	1,320475071	0,235098544	
936	KQLASFEIY	Cystatin S	0,718420291	0,04715321	
937	NMPSSDDGL	muscarinic acetylcholine receptor M2	1,121814062	0,385914455	
938	PYKFPSSPLRIPGZ		1,137407287	0,463245217	
939	GSLKSRKRA	spermatid nuclear transition protein 1	1,712652786	0,179229685	On
940	AVRRSDRAY	Troponin I	1,129101668	0,088824421	
941	DPTMSKSKK	eukaryotic translation initiation factor 2 beta	0,699476689	0,115902741	
942	GGGTSPVFP	Desmin	1,577990879	0,261349125	On
943	GSTSTPAPS	ATP-citrate (pro-S-) lyase	0,609942451	0,107767938	
944	EGGRTVGAG	Elongation factor Tu-A and B	0,513528991	0,147778932	
945	ESHESLESY	Matrix Gla-protein	1,375282547	0,301784071	
946	RVLESFRAA	voltage-gated potassium channel	2,224548553	0,170958147	On
947	SMANSFVGT	mitogen-activated protein kinase kinase 1	0,87046742	0,255560549	
948	RRPSPA	pyruvate kinase	1,718071023	0,123666771	On
949	ADSFSLNDA	galectin-3	1,319999975	0,519844928	
950	ATSASPPQK	p53	0,695325622	0,205870259	
951	DNLYYWDQD	Receptor tyrosine-protein kinase erbB-2	1,685873871	0,208140625	On

952	GDSSYKNIH	macrophage colony stimulating factor 1 receptor	0,685557202	0,12779731	
953	RKRLSQDAY	Neutrophil cytosol factor 6	0,815118628	0,123852687	
954	ASGSFKL	Histone H1.1	0,735204759	0,123348005	
955	LRRGSLG	pyruvate kinase	0,900868589	0,0448735	
956	RRSVSEAAL	hormone sensitive lipase	0,921574818	0,093880226	
957	SLAMSPRQR	Protein phosphatase inhibitor 5	3,667814158	0,675090603	On
958	RRASLG		0,886224102	0,300366362	
959	AAVDTSEI	Prothymosin	0,850739373	0,146252239	
960	TESQSLTLT	Beta casein	0,778574498	0,171434933	
961	TTRVTPLRT	Desmin	0,657654003	0,229624871	
962	WTADSGEGD	Fibrinogen alpha	2,759876486	0,511373095	On
963	RHRDTGILD	Myelin basic protein	1,265724774	0,307468801	
964	NRIYTHQVV	cell division protein kinase 7	1,625602992	0,090758225	On
965	LRKASLG	pyruvate kinase	1,125928588	0,219246904	
966	YHGHSMSDP	pyruvate dehydrogenase E1	3,38677988	0,808103519	On
967	SSEESIISQ	Alpha-S2 casein	0,895093501	0,096948097	
968	PKRGSKGKD	Myelin basic protein	1,395946049	0,449441594	
969	LGSALRRR	vimentin	1,322707984	0,482611681	
970	TDESDNEI	lower matrix phosphoprotein	0,596778792	0,052574383	
971	TRSVSSSSY	vimentin	0,454259329	0,092454791	
972	PPRRSSIRN	Neutrophil cytosol factor 7	0,920566798	0,193623071	
973	RTKGSQSV	phosphorylase b kinase beta	1,624555078	0,161672513	On
974	KRAASPRKS	Histone H5	1,186083832	0,150924067	
975	LMAPSEEDH	insulin-like growth factor binding protein 2	1,091630465	0,371419011	
976	QNPVYHNQP	EGF Receptor	1,593640683	0,233349334	On
977	SRSRSRSPG	Lamin B receptor	0,947226395	0,207550885	
978	KRKVSSAEG	Nonhistone chromosomal protein HMG-14	1,13746326	0,356461084	
979	LQDDYEDMM	Band 3 anion transport protein	5,751724616	0,739420109	On
980	QRRSSEGST	Volt.-dep. L-type calcium channel alpha-1S	2,871918353	1,132927355	
981	GVLRRASVA	pyruvate kinase	0,699988045	0,030655849	
982	KRPSLRAKA	Myelin basic protein	1,05283364	0,349475124	
983	EASTTVSKT	Rhodopsin	0,670140132	0,156270582	
984	ELSNYIAMG	Insulin receptor substrate 9	1,27416411	0,352116771	
985	HHHATPSPP	Myb proto-oncogene protein	0,61751331	0,1516132	
986	KTETSQVAP	Rhodopsin	0,687942759	0,051351116	
987	PYKFPSSPLRIPGZ		1,032536798	0,351388632	
988	GGSVTKKRK	Lamin C	0,854353425	0,189769459	
989	AKRISGKMA	cell division control protein 2	0,87228819	0,162555103	
990	DDPSYVNVQ	Adaptor molecule SHC	2,778039419	0,553573051	On
991	EVEKSPVKS	neurofilament triplet M	0,879551649	0,216966532	
992	GKSSSYSKQ	Fibrinogen alpha	0,796283547	0,014684886	
993	DSRSSLIRK	multidrug resistance protein 3	3,303494423	0,78194366	On
994	EKAKSPVPK	neurofilament triplet M	0,64416817	0,118398192	
995	RQRKSRTTI	Interleukin-2 receptor alpha	0,879523648	0,025138885	
996	SAYATVKAY	Annexin II	3,483994143	0,518056481	On
997	NTDGSTDYG	Lysozyme C	0,902905037	0,301117406	
998	KRTLRL	EGF Receptor	0,907664859	0,191136516	
999	AGPTSARDG	RNA polymerase alpha	2,26023435	0,557962104	On
1000	DAPDPELL	Tyrosine-protein kinase Dash/Abl	0,641370349	0,128382477	
1001	ESSYSYEEI	RNA polymerase alpha	0,51611929	0,124570249	
1002	YSLGSALRP	vimentin	1,107042708	0,127959942	
1003	SPHQSEDEE	Glycogen [starch] synthase	0,613686401	0,039026004	
1004	RKRRAE	Histone H2B	3,185603059	0,279434561	On
1005	RNASTNDSP	Beta-2 adrenergic receptor	1,23364008	0,406274178	
1006	SAELYSNAL	platelet-derived growth factor receptor	0,932872126	0,194570597	
1007	NRQLSSGVS	Heat Shock Protein 28	1,37282269	0,160420186	On

1008	VGPDS	p53	0,402811274	0,104952471	
1009	SSSEGAPE	Clathrin light chain B	1,659295028	0,107189934	On
1010	TKHIYNLA	Mast/stem cell growth factor receptor	0,819768581	0,075039709	
1011	VDEMYREAP	Myosin regulatory light chain 4	0,790721133	0,099778508	
1012	YRKGSLKSR	spermatid nuclear transition protein 1	0,784363976	0,160193077	
1013	SNQEYLDLS	Receptor tyrosine kinase	0,916437851	0,236083214	
1014	RKISASE	cGMP-specific phosphodiesterase 3a	1,807970585	0,802533728	
1015	VGFMEYVA	mitogen-activated protein kinase 1	5,630707876	0,083457965	On
1016	QTASSPLSP	Lamin	1,033960247	0,213668033	
1017	LRKVKQEE	vasodilator-stimulated phosphoprotein	0,956472211	0,127156664	
1018	PQRATSNVF	Myosin regulatory light chain 6	3,574233103	0,880214864	On
1019	SSNDSTSVS	muscarinic acetylcholine receptor M2	2,061524154	0,056081007	On
1020	THVASVSDV	acetyl-CoA carboxylase	0,862948214	0,206521592	
1021	LRLSTKYR	protein-tyrosine phosphatase G1	0,816115574	0,024750191	
1022	PRRDSTEGF	fructose-1,6-bisphosphatase	1,210293879	0,160547962	
1023	KAEEYILKK	Acetylcholine receptor protein gamma	1,329530198	0,33379039	
1024	KRPSFRAKA	Myelin basic protein	1,045491223	0,382017178	
1025	PTPSAPSPQPKG	Tyrosine 3-monooxygenase	1,588133287	0,569948877	
1026	QRYSSDPTG	EGF Receptor	0,858262021	0,181343365	
1027	KEDTYTAHA	Tyrosine-protein kinase abl-1	0,726611171	0,109913644	
1028	KRRLSFSET	Interleukin-1 alpha	0,988519085	0,135805403	
1029	KRAKAKTTKRR	Myosin regulatory light chain 2	1,479609261	0,159623071	On
1030	HRQETVDAL	calcium/calmodulin-dependent protein kinase type II alpha	0,739126458	0,139003818	
1031	LNRMSFASN	acetyl-CoA carboxylase	1,353510941	0,462906457	
1032	EEDTYTMPS	Focal adhesion kinase	0,908013085	0,276858175	
1033	EQEYEDPD	Band 3 anion transport protein	5,644943802	1,028302453	On
1034	HVSSSEESI	Alpha-S2 casein	0,533001061	0,085252675	
1035	METPSQRRR	Lamin C	0,772604292	0,100711944	
1036	PYKFPSSPLRIPGZ		4,661553113	2,386828314	
1037	GNFNYVEFT	Myosin regulatory light chain 2	1,001570697	0,114385274	
1038	APRTPGGRR	Myelin basic protein	0,708705708	0,161062215	
1039	DGNGYISAA	Calmodulin	4,805958559	0,666388559	On
1040	FLTEYVATR	extracellular signal-regulated kinase 2	0,825256912	0,074226137	
1041	GRALSTRAQ	Troponin I	1,123102303	0,146390885	
1042	EDRMSLVNS	Cystatin S	5,077857684	1,399743052	On
1043	ENPEYLGLD	Receptor tyrosine-protein kinase erbB-2	1,158807719	0,355729694	
1044	RRLSSLRAS	40S ribosomal protein S6	1,144958002	0,063723126	On
1045	SFKKSFKLS	myristolated alanine-rich C-kinase substrate (MARCKS)	0,904423941	0,259069543	
1046	PSKKYAIKG	Glutamyl aminopeptidase	1,220009421	0,19012573	
1047	RRPSV	pyruvate kinase	1,043907612	0,087220646	
1048	APETPGGRR	Myelin basic protein	2,62851089	0,539068537	On
1049	DEEMSETAD	Protein phosphatase inhibitor 2	1,598303747	0,742774871	
1050	FFSSSESGA	Clathrin light chain B	0,620761305	0,122396379	
1051	RDDTYTAHA	Tyrosine-protein kinase Dash/Abl	0,687516961	0,280127155	
1052	APTPGGRR	Myelin basic protein	1,419861409	0,117022205	On
1053	STNDSPL	Beta-2 adrenergic receptor	1,206707763	0,124208618	
1054	RRKASGPPV	Histone H1.1	0,810798216	0,167502381	
1055	SEENSKKTV	Alpha-S2 casein	2,141673021	0,835391955	
1056	PASPSPQRQ	synapsins IA and IB	2,759608664	1,423516581	
1057	RRASR	pyruvate kinase	0,649218705	0,200567892	
1058	STNEYMDMK	Mast/stem cell growth factor receptor	1,517831537	0,254436528	
1059	TPPLSPIDM	Transcription factor AP-5	2,526439509	0,399880188	On
1060	VKGATSDEE	DNA topoisomerase II	2,096021605	0,302800154	On
1061	QRATSNVFA	Myosin regulatory light chain 5	2,05629365	0,899749962	
1062	SPRKSPRKS	Histone H6	1,91935858	0,57505707	
1063	RRRASVA	pyruvate kinase	0,618308458	0,204083779	

1064	VTPSPPLGP	casein kinase II	2,000005869	0,098463827	On
1065	SRKDSLDDDS	alpha-1B adrenergic receptor	0,74830425	0,211633391	
1066	LSEHSSPEE	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,727252855	0,09602414	
1067	PSPKYPGPQ	Chromogranin A	3,565784169	0,563605985	On
1068	SSVLYTAVQ	platelet-derived growth factor receptor	1,468916196	0,473709385	
1069	TLSDSDDED	N-myc proto-oncogene protein	1,995190753	0,429853523	On
1070	LSLDSQGRN	Beta-2 adrenergic receptor	0,706281891	0,195889664	
1071	PTKRSPQKG	Histone H2B.1	1,150159308	0,287542266	
1072	KIQASFRGH	neurogranin	0,670327133	0,095165757	
1073	KRSNSVDTS	Glycogen [starch] synthase	0,647393317	0,107913236	
1074	KRKQISGRGL	Glycogen phosphorylase	1,236833212	0,17078219	
1075	SQESSEEEQ	high mobility group protein	0,803800566	0,163849277	
1076	KKDVTVPKA	Histone H1	0,776886223	0,095193093	
1077	KSRWSGSQQ	RAF proto-oncogene ser/thr-protein kinase	0,91164164	0,209681361	
1078	LYSGSEGDS	Serum response factor	1,442526964	0,26035617	
1079	IGHHSTSD	2-oxoisovalerate dehydrogenase alpha	0,845233769	0,34201999	
1080	MPGETPPLS	Transcription factor AP-3	0,797009963	0,248262637	
1081	EETVYEAEP	Hematopoietic cell-specific LYN substrate	1,841039853	0,450134558	
1082	ERRNSILTE	cystic fibrosis transmembrane conductance regulator	0,903171177	0,063653299	
1083	INETSQHHD	vimentin	0,653242691	0,091658317	
1084	NDSNYVVKG	Mast/stem cell growth factor receptor	0,784676149	0,072618296	
1085	PYKFPSSPLRIPGZ		1,079895103	0,153282018	
1086	GRNASTNDS	Beta-2 adrenergic receptor	1,007131056	0,228722088	
1087	ARSGSSTYS	parathyroid hormone/parathyroid hormone-related peptide	0,863030182	0,157996309	
1088	DLTSPDVG	Transcription factor AP-4	0,808506005	0,128709494	
1089	GAGNSLRTA	Lamin C	1,318519889	0,143496569	On
1090	GRTWTLAGT	cGMP-dependent protein kinase (PKG)	2,071607515	0,807117928	
1091	EEHVYSFPN	Paxillin	1,023198858	0,222773818	
1092	ERHHSIDAQ	phosphoenolpyruvate carboxylase	2,105577921	0,798542726	
1093	RRRRAASVA	pyruvate kinase	2,927355947	0,74963676	On
1094	SIRDTPAKN	Nucleophosmin	1,115317359	0,254498771	
1095	GGYSLG	Lysozyme C	0,712910202	0,107336715	
1096	AAASFKAKK		1,202747946	0,044608321	On
1097	ARDIYKNDY	Ros proto-oncogene tyrosine kinase	0,883576859	0,182761719	
1098	DKEVSDDEA	HSP90-alpha	0,512534981	0,116076716	
1099	FRKFTKSER	cGMP-dependent protein kinase (PKG)	1,538226748	0,200605931	On
1100	RFFGSDRGA	Myelin basic protein	2,303441886	0,45381148	On
1101	PRTPGGRR	Myelin basic protein	2,719029378	0,474103343	On
1102	KRRVSEV	Erythrodihydroneopterin triphosphate synthetase	0,834959565	0,098118255	
1103	RRRGSSIPQ	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase	0,928577821	0,265413783	
1104	SGDTSRPHL	Microtubule-associated protein tau	1,005100683	0,187926523	
1105	KQITVR	Glycogen phosphorylase	0,787529176	0,107555567	
1106	SSKRA	Myosin regulatory light chain 2	0,86542342	0,244590118	
1107	SVSSSSYRR	vimentin	1,422253623	0,069687833	On
1108	TRQASISGP	synapsins	0,50211314	0,096663082	
1109	VRTYTHEVV	Cell division protein kinase 2	1,371503774	0,29175949	
1110	REILSRRPS	cAMP response element binding protein	3,159263497	0,454378461	On
1111	GASGSFKL	Histone H1.1	1,227895942	0,405093885	
1112	VRRSDRA	Troponin I	1,517102354	0,104359944	On
1113	VTRRTLSDM	6-phosphofructokinase	2,855626688	0,785579348	On
1114	SRRGSESE	phosphoprotein phosphatase 1, 3a	0,961561753	0,15594655	
1115	PASAYGSVK	Annexin II	0,955710471	0,398927384	
1116	PWQVSLRTR	Plasminogen	1,206383966	0,151961827	
1117	STSRSLYSS	vimentin	1,994828058	0,105530911	On
1118	TRGGSLERS	alpha-1B adrenergic receptor	2,819758849	1,002015004	
1119	PFKLSGLSF	MARCKS-related protein	0,688644009	0,07915094	

1120	QEQEYVQAV	Annexin I	0,860861221	0,07723299	
1121	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	1,205926062	0,289863312	
1122	KYLASASTM	Myelin basic protein	2,547404251	0,712164104	On
1123	PRRVSRRRR	Protamine YII	1,826448046	0,198838899	On
1124	SRKRSGEAT	6-phosphofructokinase	0,474067758	0,042267291	
1125	KMKDTSSEE	Calmodulin	0,733220648	0,092317088	
1126	LFRLSEHSS	Dopamine- and cAMP-regulated neuronal phosphoprotein	0,734213141	0,161786288	
1127	QDENTVSTS	muscarinic acetylcholine receptor M2	4,073892108	0,185463115	On
1128	ISITSRKAQ	GTP-binding protein era	0,778732408	0,12579401	
1129	NFLKTSAGS	Carbon catabolite derepressing protein kinase	2,011191553	0,810301851	
1130	EHIPYTHMN	Insulin Receptor (IR)	1,188253198	0,417304546	
1131	ESMESYELN	Matrix Gla-protein	1,061471286	0,365122427	
1132	KKRFSFKKS	myristolated alanine-rich C-kinase substrate (MARCKS)	1,407313874	0,173638658	On
1133	NKQGYKARQ	Protein kinase C delta	0,915510927	0,14574694	
1134	PYKFPSSPLRIPGZ		2,719872152	0,359974237	On
1135	GSQTSSRPS	vimentin	2,220903277	1,198861512	
1136	AVMVSHYIH	Prolactin	1,414419007	0,148788533	On
1137	DPPGTESFV	Beta-2 adrenergic receptor	0,989581631	0,214268863	
1138	GFKRSYEEH	Insulin Receptor (IR)	0,622004771	0,105009914	
1139	GSRRRRRRY	protamine	0,975048887	0,064655206	
1140	EFPLSPPKK	stathmin	0,731616155	0,130460206	
1141	ESEKTKTKE	myosin II heavy chain	2,79458968	0,860390475	On
1142	RSSMSGLHL	acetyl-CoA carboxylase	1,193552536	0,215112628	
1143	SLVNSRAQE	Cystatin S	2,585160389	0,936326184	
1144	RRATVA	pyruvate kinase	2,415408996	0,972209824	
1145	ADSFSLHDA	galectin-3	3,546587089	0,94233152	On
1146	ATRRSYVSS	glial fibrillary acidic protein	2,724844817	0,453677608	On
1147	DNIDSQGRN	Beta-2 adrenergic receptor	1,265211791	0,417846302	
1148	GDSSEGESE	Serum response factor	0,904671778	0,091762952	
1149	RKRKSSQAL	Thyroid hormone receptor alpha	0,775219915	0,097849413	
1150	AKRSRKE	Histone H2B	1,144361215	0,130440248	
1151	LRRATLG	pyruvate kinase	1,485520288	0,317465789	
1152	RRSSSVGYI	Acetylcholine receptor protein delta	4,649606225	0,784541441	On
1153	SKVTSKAGS		4,598531792	0,995102126	On
1154	RGYSLG	Lysozyme C	2,568120654	0,311134016	On
1155	AARTPGGRR	Myelin basic protein	0,683725953	0,107873609	
1156	TEPQYQPGE	Proto-oncogene tyrosine-protein kinase Fyn	1,250243511	0,254527372	
1157	TTRRSASKT	Fibrinogen alpha	0,786092386	0,234246877	
1158	WLTKTPEGN	Actin and myosin binding protein	1,771826457	0,641753439	
1159	RGRSSVYSA	myosin heavy chain	1,356036865	0,577102589	
1160	RKRTLRRRL	EGF Receptor	0,876805569	0,168450286	
1161	LRHASLG	pyruvate kinase	0,663960169	0,081912569	
1162	YNGYSSNS	Beta-2 adrenergic receptor	4,74226037	1,158136597	On
1163	SRTPSLPTP	Microtubule-associated protein tau	1,716085672	0,384048104	
1164	PKKGSKKAV	Histone H2B	0,883554842	0,137720936	
1165	LELSDDDD	Myosin heavy chain, nonmuscle type B	3,83187988	0,316650477	On
1166	TDDGYMPMS	Insulin receptor substrate 10	1,006429684	0,176859893	
1167	TRRLTGFLP	Glycogen phosphorylase	0,945301731	0,299148534	
1168	PPEKTEEEE	somatostatin receptor type 5	1,859445012	0,474862529	
1169	RTGRSGSV	phosphorylase b kinase beta	1,096388823	0,136801576	
1170	KQSPSSSPT	phosphorylcholine transferase	0,798969323	0,041709591	
1171	LLRPSRRVR	somatostatin receptor type 6	0,944597486	0,230587603	
1172	QMALTPVVV	cell division protein kinase 4	0,802005118	0,066165092	
1173	SRSRSPGRP	Lamin B receptor	1,032694491	0,122061153	
1174	KRKRSRKES	Histone H2B	1,408680268	0,044073353	On
1175	LQAISPKQS	phosphorylcholine transferase	0,854362166	0,257811895	

1176

QRRRSLEPP

Proto-oncogene tyrosine-protein kinase Src

0,63894792

0,095547967

Suppl. Table 8. Phosphobase annotation of kinases upstream of peptides.

Peptide #	Sequence	Phosphobase-annotation of upstream kinase
1	HEIYVDPM	PDGFR
2	KRPSVRAKA	PKA,PKC
3	EDNEYTARQ	Src
4	ENKLYGMSD	Ret
5	HRLLTLDPV	PKC
6	LEKKYVRRD	CSF-R,Fms
7	PYKFPSSPLRIPGZ	na
8	GKRQTEREK	PKC
9	APATSPKAE	CKII
10	DEESEQGA	CKII
11	FFRRSKIIV	PKC
12	GMTEYVATR	STE7,STE11
13	EAALYKNLL	Kit
14	ELILSPRSK	MAPK
15	RRAVSEQDA	CaM-II
16	SEDNSEDEI	CKII
17	PASLSRAKA	GSK3
18	RRASL	PKA
19	AKKMSTYNV	MHCK
20	DDINSYEA	
21	ETRFTDTRK	CaM-III
22	QLSTSEENS	CKI
23	SPRKSPKKS	sperm-specific histone kinase
24	RRKASGP	PKA
25	RQLRSPRRT	CDK
26	SAVASNMRD	GRK
27	RTPPPSG	PKC
28	LRRAS	PKA
29	SSTGSIDMV	GSK3
30	TLASSFKRR	PKC
31	VGAFSTVKG	RK
32	YSGHMSMDP	PDK
33	SPGEYVNIE	IR
34	RKRSAKE	PKA,PKG
35	VINETSQHH	p37
36	SPVVSGDTS	CDK,GSK3,CaMK
37	LRRFSLATM	PKA
38	PRPASVPPS	DYRK
39	SSRPSSNRS	PKA,PKC
40	TKFASDDEH	CKII
41	LSDDSFIED	CKII
42	PSPKTTPGS	MAPK, JNK, GSK3
43	KDIGSESTE	CKII
44	KRRGSVPIL	PKA
45	KRAKAKTAKKR	PKC
46	QSYSSQRV	CDK
47	KGTGYIKTE	JAK1,JAK2,EGFR
48	KRSLSEMEI	S6K
49	KRKQGSVRGL	PhK,PKA
50	HTRDSEAQR	PKA
51	MAEVSWKVL	KPBB
52	EEGISQESS	CKII
53	EQQTTEDEL	CKII
54	IGEGTYGVV	WEE1,MYT1
55	MMPYVVTR	MKK4

56	PYKFPSSPLRIPGZ	na
57	GQEVYVKKT	TEK
58	AQETSGEEI	CKII
59	DKAKSRPSL	PKA
60	FPVSYSSSG	Ret
61	GRLSSMAMI	CaM-II
62	EEDLSDENI	CKII
63	EPGPYAQPS	IGF1R,Abl,EGF-R
64	RRRASQLKV	PKA,PKC
65	SGADYPDEL	
66	KQISVR	PK
67	SLKDH	PKC
68	APRTAGGRR	MAPK
69	DGHEYIYVD	PDGFR
70	FKRSYEEHI	IR
71	REARSRAST	GSK3
72	DRVYVHPF	EGF,Src,IR
73	VRRSDAA	PKA
74	RRKMSRGLP	PKA
75	SEVPYREVQ	JNK2
76	PRRASATSS	CKI
77	RRLSI	AMP-PK,PKA
78	STSLSPFYL	MAPK
79	TRDIYETDY	IR
80	VPTLSTFRT	PKC
81	RASTKSSES	S6K
82	SPSSSPTHE	proline-rich kinase
83	STNDSL	GRK5
84	VRTFTHEVV	CDK
85	SRKMSVQEY	PKA
86	LSGLSFKRN	PKC
87	PTGTTQQRK	CDK
88	STLASSFKR	PKC
89	TPPKSPSSA	MAPK,GSK3,CKD
90	PAAVSEHGD	PKC
91	PVSPSLVQG	GRK
92	KKDASDDL	CKII
93	KSRPSLPLP	PKA
94	LSVSSLPGL	CKI
95	SRHSSPHQS	GSK3, CKII
96	KKPPTPPPE	
97	KVPQTPLHT	MAPK
98	PRRSSIRNA	PKC?
99	ILDTTGQEE	Ras
100	NDSNYIVKG	Fms
101	EFLRTSAGS	AMP-PK
102	ERTNSLPPV	PKA
103	IRRASTIEM	PKA,CaM-II
104	NFDDYMKSL	IR
105	PYKFPSSPLRIPGZ	na
106	GRTGRRNSI	PKA
107	ATPIYLDIL	TrkC
108	DMRQTVAVG	PKC
109	GDRFTDEEV	CKII
110	GSGSSVTSR	PKA,PKC
111	EEPQYEEIP	Src

112	ERRLSLVPD	PKA,PKG
113	RRSSSRPIR	PKA,PKC
114	SKIGSTENL	CaMKII,CK,GSK3,PKA,PKC,P110K,PK,A-Kinase,MARK
115	NDMTSL	Tropomyosin specific kinase
116	AARLSLTDP	PKA
117	ARRSTTDAG	PKA
118	DLKDTKYKL	MHCK
119	GAFSTVKGV	RK
120	RGRASSHSS	PKC
121	RKRSRAEF	PKA
122	LRAASLG	PKA
123	RRRQSVLNL	PKA,PKG
124	SIDEYFSEQ	Tyk2
125	EESESD	CKII
126	RRRS	PKA
127	TAYGTRRHL	PKC
128	TRRISQTSQ	CaM-II
129	VTPRTPPPS	MAPK
130	REVSSLKSK	PKC
131	PEETQTQD	ds-DNA
132	KKQISVR	PhK,PKA
133	WLTKSPDGN	CDK
134	SRRSSLGSL	PKA
135	PETVYEVAG	Src
136	QEPGSGPPE	cAMP?
137	SVSSSPIKE	CDK
138	TRLHSLRER	
139	PKEVYDVML	TrkC
140	PRTPGGRR	MAPK
141	KLSPSPSSR	CDK
142	LEKKYVRRD	CSF-R,Fms
143	QASSTPLSP	CDK
144	SRRDSLFP	PKA
145	KQPIYIVME	Fps/Fes
146	LLQDSVDFS	CaM-II
147	QLSTSEENS	CKI
148	KIQASFRGH	PKC
149	NKGASQAGM	PKC, CaM-II
150	EIVESLSSS	CK1
151	ESSNYMAPY	PDGFR
152	KRPSKRAKA	PKC
153	NRAITARRQ	PK
154	PYKFPSSPLRIPGZ	na
155	GSRPSESNG	PKA
156	DAHKSKRQH	CKII
157	DSLIIYDDGL	Ret
158	GGRDSRSGS	PKA,PKC
159	GVERSVRPT	PK
160	EGVKSQAE	Erk1,2
161	ESLSSSEES	CKI
162	RVRMSADAM	PKA
163	SNPTYSVMR	Src
164	SSKRAK	PKC
165	AGDGSDEEV	PKC
166	AVDRYIAIT	IR
167	DPLLYRFP	PKC

168	GENIYIRHS	EGFR
169	RLSPSPTSQ	CDK
170	RKESYSV	PKA
171	PLSRTL	CKI
172	RSRASTPPA	GSK3
173	SLSSSEESI	CKI
174	LRRASLAG	PKA
175	ADSESEDEE	CKII
176	THERSPSPS	proline-rich kinase
177	TVTRSYRSV	PKC
178	YETDYRKG	IR
179	RKQISVRGL	PK
180	AGTTYAL	MHCK
181	LRRASVA	PKC
182	YRGYSLGNW	PKA
183	SSLKSRKRA	
184	PMRRSVSEA	PKA
185	RSKRSGSV	PKA
186	TEGQYQQQP	CSK
187	TTPLSPTRL	CDK
188	PQPEYVNQP	erbB2
189	VKRGISGL	H4-PK-I,PKA
190	KRKQISVRG	PK
191	LPVPSTHIG	PKG
192	QRRHSLEPP	PKA
193	SRTLVSSSL	AMP-PK,CKI,PKA,PK
194	KRPSEKA	PKC
195	LRGRSFMNN	PKA
196	QRVSSYRRT	PKC
197	HDLSEMFFN	
198	KRPSRAKA	PKC
199	EDNEYTARP	Src
200	ENAPSSTSS	CKII
201	HMRSSMSGL	PKA
202	LDRSSHAQR	IR
203	PYKFPSSPLRIPGZ	na
204	GKEIYNTIR	PDGFR,EGFR
205	APATPGGRR	MAPK
206	DEEESEEA	CKII
207	FFKKSIST	PKA
208	GMGTSVERA	PDK
209	DYDSSDIED	CKII
210	EKRASGQAF	PKA
211	RRAVSELDA	CaM-II
212	SDGGYMDMS	PDGFR
213	NWHMTPPRK	CDK
214	RRASI	PKA,PKC
215	AKKGSEQES	
216	DDEMTGYVA	MKK3,MKK6
217	ETDYRKG	IR
218	YVTTSTRTY	PKC
219	SPQPSRRGS	PKA,GSK3
220	RRAASVA	PKA,PKC
221	RPSENGQP	PKA
222	SASTTPVKK	
223	NSYGSRRG	PKC

224	LRRASL	PKA
225	SSTDSADSG	
226	TKSGSTTKN	MNK1
227	VETTYADFI	EGFR
228	YSFTTTAER	AFK
229	SPFKYQSLL	IR
230	RKRSAAE	PKA,PKG
231	VIKRSRKR	CDK
232	SPVKSPEAK	
233	LRRASVAQL	PKC
234	PRMPSLVVP	PKA
235	SSPVYQDAV	Src
236	TKDLYDALH	
237	LRSPSWEPF	PKA,PKC
238	PSLTPPTR	
239	KASASPRRK	sperm-specific
240	KRRDYDLA	
241	PAPAVRASDRA	
242	QSRASDKQT	PKC
243	KGQESFKKQ	PKC
244	KRSGSVYEP	PKA
245	KRAQISVRGL	PK
246	HSSSQGGG	PKA,PKC
247	MAEAYSEIG	Lck/Fyn
248	EEESSYSYE	
249	EQPGSDEED	CKII
250	IEQFSTVKG	GRK5
251	MLDHSESTK	
252	PYKFPSSPLRIPGZ	na
253	GPRTTAQQ	PKG,PKC
254	AQDTYLVLVD	Lyn,JAK2
255	DIPESQMEE	CK,CKII
256	FPRASFGSR	PKA
257	GRKASGSSP	PAK2, CaM-II
258	EDVGSDEEE	CKII
259	EPAVSPLL	CDK
260	RRRASQLKI	PKC
261	SFTTTAERE	AFK
262	PLSRTL	CKI
263	SGRGK	H4-PK-II
264	APRSPGGRR	MAPK
265	DGERYDEDE	
266	FKRPTLRRV	PKC
267	REAEYEPET	Src
268	DRVYIHPF	EGF,Src,IR
269	VRRISGL	H4-PK-I,PKA
270	RRKGTDVNV	PKA
271	SETKTEEEE	CKII
272	PQRATSNVF	MLCK
273	RRGSV	PKA
274	STSKSESSQ	S6K
275	TRAPSRTAS	MFPK
276	VPRTPGGRR	MAPK
277	RASSRSVR	PKC
278	SPSSPASL	
279	RVYVHPF	

280	VRRVSDDDR	PKA
281	SRKMSIQEY	PKA
282	LSGFSEFKS	PKC
283	PSSTSSSSI	CKII
284	STGIYEAL	Src
285	TPPKSPSAS	
286	LYSSSPGGA	CDK
287	PVPKSPVEE	
288	KKASFKAKK	PKC
289	KSPAKTPEK	CDK
290	PLSKTLSVSS	AMP-PK,CKI,PKA,PK
291	SRGKSSSYS	PKC
292	KKLGSKKPQ	PKC
293	KTASTRKY	PKC
294	PRRRTTRAS	PKA
295	IHQRSRRL	PKC
296	NDALSGSGN	CKI
297	EETQTQDQP	ds-DNA
298	ERSQSRKDS	PKC
299	IRQASQAGP	CaM-II
300	NFDDYMKEV	IR
301	PYKFPSSPLRIPGZ	na
302	GRRQSLIQD	CaM-II
303	ASFEYTILD	JAK2
304	DLSTYASIN	IR
305	GDNDYIPL	PDGFR
306	GSESTEDQA	CKII
307	EENVSVDDT	CKII
308	ERRKSKSGA	PKA
309	RRSRRSRS	RS
310	SKIGSLDNI	PKA,GSK3
311	NDITSL	tropomyosin kinase
312	AARGSFDA	RK
313	ARNDSVTVA	PKA
314	DLFGSDEED	CKII
315	FSSRSYTS	
316	RGKSSSYSK	PKC
317	RKRSRAEA	PKA,PKG
318	LKRASLG	PKA,H4-PK
319	RRRPTPATL	PKA
320	SIADTFVGT	
321	LRRNSI	PKA
322	RRRRASVA	PKA,PKC,PK
323	TATDYHTTS	CK,CKII
324	TRRASRPVR	PKA
325	VSSSYRRM	PKC
326	REVSSLKNK	PKC
327	LSYRRYSL	
328	KKKASVA	
329	WKRTSMKLL	PKA
330	SRRQSVLVK	PKA
331	PENDYEDVE	
332	QEGLYNELQ	Lck/Fyn
333	SVPPSPSLS	
334	TRKVSLAPQ	PKA,PKG
335	PKDPSQRRR	PKC

336	KRKQISVR	PK
337	KLRRSSSVG	PKA,PKC
338	LDPLSEPED	CKII
339	QAGMTAPGT	
340	SRRASRPVR	PKA,PKC
341	KPGFSPQPS	GSK3
342	LLPMSPEEF	KIT,S6K,CaMKII,PKC
343	QLNDSSEEE	CKII
344	KGGSYSQAA	
345	NIYISPLKS	CDK
346	EIRVSINEK	PKA
347	ESRISLPLP	vimentin
348	KRPSIRAKA	PKC
349	NPGFYVEAN	EGFR
350	PYKFPSSPLRIPGZ	na
351	GSRGSGSSV	PKA
352	DAGASPVEK	PKC
353	DRRVSAAE	PKA
354	GGRADYKS	PKA,PKC
355	GVDTYVEMR	CSF1R
356	EGTHSTKRG	PKC
357	ESLESYEIN	
358	RVRKTKGKY	PKC
359	SNPEYLSAS	IR
360	RRSTVA	PKC
361	AEPGSPTAA	
362	AVDGYVKPQ	Lyn,Src,JAK2
363	DPGVSYRTR	PDK
364	GEINTEDD	CKII
365	RLSISTESQ	AMP-PK
366	RKEISVR	PKA,PhK
367	PGSPQKR	sperm-specific
368	RSGYSSPGS	
369	SLRASTSKS	S6K
370	VRKISGL	H4-PK-I,PKA
371	ADGVYAASG	Fes
372	TGFLTEYVA	
373	TVSTSLGHS	GRK
374	YDKEYYSVH	Met
375	RKLSQGTR	
376	NRKPSKDKD	PKC
377	LRRASPG	PKA,H4-PK
378	YMAPYDNYV	PDGFR
379	SSKAYNGY	IR
380	PLTPSGEAP	Src
381	RRRRPTPA	
382	TEGQYQPQP	CSK
383	TSSSIFDI	CKII
384	PPSPLSRH	
385	SSKRAKAK	PKC
386	KRKNSILNP	PKA,PKG
387	LNRMSFASN	AMP-PK,PKA
388	QRHGSKYLA	PKA,PKC
389	SRTASFSES	PKA
390	KRPSDRAKA	PKC
391	LRGPSWDPF	MAPKAPK2

392	QRSTSTPNV	AMP-PK,PKB
393	HDALSGSGN	CKI
394	KRPSQRAKY	PKC
395	EDNEYTARE	Hck
396	ENAFSPSRS	CDK
397	HKSGYLSSE	EGFR
398	LAYESHESM	
399	PYKFPSSPLRIPGZ	na
400	GHQGTVPSD	GRK5
401	ANDEYFIRK	
402	DEASTTVSK	PKC
403	FEARYQQPF	EGFR
404	GLLRSWNDP	
405	DTVTSPQRA	CDK
406	EKHHSIDAQ	
407	RRASTIEMP	PKA,CaM-II
408	SDEESNDDS	CKII
409	NVFSPGGT	CDK
410	RRASF	
411	AKGGTVKAA	PKC
412	DDEITQDEN	GRK
413	ETDDYAEII	FAK
414	YTTNSPSKI	CDK
415	SPLKSPYKI	CDK
416	RKRTRKE	PKA,PKG
417	RPPGFTPFR	
418	SASGTPNKE	CDK
419	NSVDTSSLS	
420	LRANSI	PKA
421	SSSSPSRR	CDK
422	TKSASFLKG	CDPK
423	VESLSSSEE	CKI
424	YRRNSVRFL	
425	SPALTGDEA	CKII
426	RKQITVR	PK
427	VHNRSKINL	AMP-PK
428	SPVHSIADE	PKA
429	LRRASLGAF	PKA,H4-PK
430	PRKGSPRKG	sperm-specific
431	SSPGSPGTP	
432	TKAASEKKT	PKC
433	LRRSSSVGY	PKA,PKC
434	PSEKSEEIT	PKC
435	KAQEYFNIK	
436	KRQSSTSNA	PKA
437	QKRPSQRSKYL	PKC
438	QSPSSSPTH	
439	KGHEYJNIK	PDGFR
440	KRRSSSYHV	PKA
441	KAKQISVRGL	PK
442	HSIYSSDDD	CKII
443	LVMQTAAGT	
444	EEELYLEPL	
445	EQLSTSEEN	CKII
446	IDMESQERI	DNA-PK
447	MILLSELSR	

448	PYKFPSSPLRIPGZ	na
449	GPAASPAAA	
450	AQAASPAKG	CDK
451	DHSRSTKAA	
452	FPFHSPSRL	
453	GRILTLPRS	PKC
454	EDVGSDEED	CKII
455	ENTVSTSLG	GRK
456	RRQHSYDTF	CaM-II
457	SFMMTPYVV	MKK4
458	PGTESFVNA	beta-ARK
459	SDEEV	PK
460	APQTPGGRR	MAPK
461	DFPLSPPKK	CDK
462	FKAFSPKGS	CDK
463	RDSNYISKG	PDGFR
464	DDEESED	CKII
465	VKRISGL	H4-PK-I
466	RRKDYPALH	PKA
467	SEKSKGLG	
468	PPSAYGSVK	Src
469	RRFSV	
470	STRRSVRGS	PKC
471	TQSTSGRRR	PKC
472	VNELSKDIG	CKI
473	RAGETRFTD	CaM-III
474	SPSPSFRWP	PKC
475	RVSGSRR	PKC
476	VRLRSSVPG	
477	SRKLSDFGQ	PKA
478	LSGFSFKKN	PKC
479	PSRRSRRS	RS
480	STDYYREGP	
481	TPAISPSKR	
482	LVVASAGPT	
483	PVPEYINQS	EGFR,Src
484	KKAESPVKE	
485	KSLNYIDLD	IR
486	KRKQISVRGL	PK
487	SRGDYMTMQ	IR
488	KKKSGGEDD	CKII
489	KTSPSSSPA	
490	PRRRSSFGI	PKA
491	IGSVSEDNS	CaM-II
492	NAPVSALGE	GSK3
493	EETPYSYPT	Abl,FAK,Src
494	ERSPSPSFR	
495	IRKYTMRRL	
496	NEEESSYSY	
497	PYKFPSSPLRIPGZ	na
498	GRRQSLIED	PKA,PKC,Cam-II
499	ASATSSSGG	
500	DLPMSPTL	JAK1,Src
501	GDLQSAEFH	
502	GSEEYMNMD	IR
503	EENTYDEYE	Src

504	ERRKSHEAE	PKA
505	RRRVTSATR	PKA
506	SKDSSKRGR	PKC,CaM-II
507	MSVEEV	CKII
508	AALESEDED	
509	ARKSTRRSI	PKC
510	DLFGSDDEE	CKII
511	FRRLSISTE	AMP-PK,PKA
512	RGAISSAEVY	PKG
513	RKISASEF	
514	LHRASLG	PKA,H4-PK
515	RRRPTPAML	PKA
516	SGYSSPGSP	
517	LGEGTP	
518	RRLSSLRA	S6K
519	TAESSQAEE	CKII
520	TRRASFSAQ	PKA
521	VSRTSAVPT	PKA
522	REQLSTSEE	CKII
523	LSYRGYSL	PhK
524	KASGSSP	PKA
525	VVGGSLRGA	PKC
526	SRRPSYRKI	S6K
527	PEGDYEEVL	
528	QEGDTDAGL	CKII
529	SVFSSPSAS	CDK
530	TRKISQTAQ	PKA,PKG,CaM-II
531	PINGSRTP	CDK
532	KQISVRGL	PK
533	KLINSIADT	
534	LDDQYTSSS	
535	PYDNYVPSA	
536	SRQLSSGVS	MAPKAPK2
537	KNIVTPRTP	MAPK
538	LKLASPELE	CDK,CKII
539	QLIDSMANS	Raf1
540	IVYKSPVVS	
541	NGYISAAEL	CKII
542	EILNSPEKA	AKT
543	ESPESTEIT	
544	KRPSHRAKA	PKC
545	NNYVYIDPT	Kit
546	PYKFPSSPLRIPGZ	na
547	GSPRTPRRG	CDK
548	DADEYLIPQ	EGFR
549	DRLVSARSV	PKC
550	GGLTSPGLS	MAPK,CaM-II
551	GTVPSDNID	GRK2,GRK5
552	EGSAYEEVP	EGFR
553	ESIISQETY	CKI
554	RVRKSKGKY	PKC,PKG
555	SNDSTSVSA	GRK
556	RRPTVA	PKA
557	AEPDYGALY	EGFR
558	AVASSPSKA	
559	DPGTSYRTR	PDK

560	GEGTYGVVY	WEE1,MYT1,Lyn
561	RLRLSPSPT	CDK
562	RKASRKE	PKA,PKG
563	LRRWSLG	PKA,H4-PK
564	RRVTSATRR	PKA,PKC
565	SLQASIVTD	
566	RRATPA	
567	ADGIYAASG	Fes
568	TGDTYTAHA	Abl
569	TVSKTETSQ	RK
570	WTSDTQGDE	CKI
571	RKFSSARPE	PKA
572	KKKKASVA	
573	LRRASLG	PKA,H4-PK
574	YKNDYYRKR	
575	SSEITTKDL	CKII
576	PLSRTLVS	AMP-PK,CKI,PKA,PK
577	LRRASLRG	PKA,H4-PK
578	TEGQYELQP	
579	TSPSSPAS	
580	PPSAYGSVK	Src
581	RTKRSGSV	PKA
582	KRFGSKAHM	PKA
583	LNDSEEEED	CKII
584	QRATSNVFA	
585	SRSRTPSLP	GSK3
586	KRPSARAKA	PKC
587	LRAPSWIDT	
588	QRRTSVSGE	PKA
589	HATPSPVVD	GSK3
590	KRPSQRAKA	PKC
591	EDAESEDEE	
592	ENAEYLRVA	EGFR
593	HKRKSSQAL	PKA
594	LAYESHESL	
595	PYKFPSSPLRIPGZ	na
596	GGVDYKNIH	
597	ALRPSTSRS	PKA
598	DEAATKTQT	MHCK
599	FARKSTRRS	PKC
600	GLGESRKDK	PKC
601	DTHRTPSRS	CDK
602	EKESSNDST	GRK
603	RRAISGDLT	PKA
604	SAYRSVDEV	BCKDK
605	NTVSTSLGH	GRK
606	RASLG	
607	AKDASKRGR	PKC
608	DDEASTTVS	PKC
609	ETAESSQAE	CKII
610	YTRFSLARQ	PKC
611	SPKQSPSSS	
612	RKRSRKE	PKA,PKG
613	RPPGFSPFR	
614	SARVYENVG	PDGFR
615	NRSASEPSL	AMP-PK,PKA

616	KGYSLG	
617	SSSSSPKAE	
618	TKKTSFVNF	PKA
619	VEPLTPSGE	ERT,PK
620	YRLPSNVDQ	CRYS-K
621	SPAISIHEI	PhK
622	RKQISVR	PK
623	VGWPTVRER	PKC
624	QTYRSFHDL	PKG
625	LRRASLGAA	PKA,H4-PK
626	PRKGSPKRG	sperm-specific
627	SSPASLSRA	
628	TKAASEKKS	PKC,CaM-II
629	LRRPSDQEV	PKA
630	PSAPSPQPK	CDK
631	KAKVTGRWK	PKC
632	KRPTQRAKY	PKC
633	PLSRTL SVRSL	AMP-PK,CKI,PKA,PK
634	QSPGSPLEE	CKII
635	KGGSYSQAA	
636	KRRRSSKDT	PKC
637	KAAQISVRGL	PK
638	HRTPSRSFG	
639	LSGFSFKKN	PKC
640	EEEEYMPME	Src
641	EQFSTVKGV	GRK5
642	IDKISRIGF	PKC
643	MHRQETVDA	CaM-II
644	PYKFPSSPLRIPGZ	na
645	GNHTYQEIA	Src
646	APVASPAAP	MAPK
647	DGNNSEDES	CKII
648	FMTEYVTR	
649	GRGLSLSRF	PKA
650	EDTLSDSDD	CKII
651	ENQASEEED	CKII
652	RRPTSPVSR	
653	SFMDSSGLG	
654	QKRPSQRSK	PKA
655	SDEEH	
656	APLTPGGRR	MAPK
657	DEPSTPYHS	GSK3
658	FGSRSLYGL	
659	RDPVTENAV	GRK
660	AVRRSDRA	PKA
661	VKRGSGL	H4-PK-I
662	RRKDTPALH	PKA
663	SEITTKDLK	CKII
664	PNVSYIASR	
665	RRDSV	
666	STRRSIRLP	PKC
667	TPQVSDTMR	PKA
668	VNATYVNVK	
669	RAAHSIKGG	
670	SPSLSRHSS	GSK3, CKII
671	RTPPPSG	PKC

672	VRKRTLRRRL	PKC
673	SRKGSFGH	PKA,PKC
674	LSGESDLEI	CKII
675	PSQRSKYLA	PKA,PKC
676	STDEYLDLS	FGFR3
677	TNHIYSNLA	Kit
678	LSRHSSPHQ	GSK3, CKII
679	PTRHSRVAE	PKA
680	KISITSRKA	ERA
681	KSKISASRK	PKC
682	KRKQISVGGL	PK
683	SRALSRQLS	MAPKAPK2
684	KKKFSFKKP	PKC
685	KTRSSRAGL	PKA,PKC
686	PAPGSPEPP	
687	IGSESTEDQ	CKII
688	MRRNSFTPL	PKA
689	EEQEYVQTV	EGFR
690	ERRVSNAGG	PKA,PKG
691	IREESPPHS	
692	NDSVYANWM	
693	PYKFPSSPLRIPGZ	na
694	GRRESLTSF	PKA,PKG
695	ARVFSVLRE	CaM-II,PKC
696	DLPLSPSAF	MAPK
697	GDKKSKKAK	PKC
698	GSDVSFNEE	CKII
699	EEKGSPLNA	
700	ERQKTQTKL	MLCK
701	RRRSSKDTS	PKC
702	SKAGSLGNI	PKA
703	MSGDEM	CKII
704	AAATTPAAE	
705	ARKKSSAQL	PKA
706	DKVTSPTKV	CDK
707	FRRFTPDSL	PKA
708	RFTDTRKDE	CaM-III
709	RKISASEA	
710	LARASLG	PKA,H4-PK
711	RRRLSSLRA	S6K
712	SGYISSLEY	CKII
713	LARNSI	PKA
714	TIAVG	
715	TADISEDEE	CKII
716	TRQTSVSGQ	CaM-II
717	VSEEYDLDR	
718	REQESSGEE	CKII
719	GTKRSGSV	PKA
720	NRLQTMKEE	PKC
721	VVELSGESD	CKII
722	SRRPSRATW	PKA
723	PASQTPNKT	CDK
724	QDPVSPSLV	GRK
725	STTVSKTET	PKC
726	TRKISASEF	PKA
727	PGPQSPGSP	

728	KQSGRGL	PK
729	KKSWRWTL	PKA
730	LASSKEEN	
731	PLRRTLSVA	AMP-PK,CKI,PKA,PK
732	SRPSSNRSY	
733	KNDYYRKRK	
734	LIEDAEYTA	Lck,Fyn,Fes,Yes
735	QKAQTERKS	PKC
736	ISTESQPNG	
737	NGNNYVYID	Kit
738	EIKKSWRW	PKA
739	ESPASDEAE	CKII
740	KRKSSQALV	PKA
741	NNMPSSDDG	GRK
742	PYKFPSSPLRIPGZ	na
743	GSPGTPGSR	p34cdc2-p58cyclin
744	AVVRTPPKS	GSK3
745	DRKLSTKEA	PKA
746	GGIRSLNVA	
747	GTRLRLARM	PKA,PKC
748	EGNKSPAPK	CDK
749	ESHESMESY	
750	RVRISADAM	PKA
751	SNDDSDDDD	CKII
752	RRPTPA	PKA
753	AEGSSNVFS	MLCK
754	AVADSESED	CKII
755	DNPDYQQDF	EGFR
756	GDVKYADIE	PDGFR
757	RLQDYEEKT	EGFR
758	FKKSFKL	PKC
759	LRRPSLG	PKA,H4-PK
760	RRVRSQEPG	
761	SLDDSGSAM	GRK
762	RRASVA	PKC
763	ADDEYAPKQ	Src
764	TESQYQQQP	
765	TVKSSKGGP	PKC
766	WTSDSAGEE	CKI
767	RKAASVIAK	PKC
768	LRRASLDG	PKA,H4-PK
769	LRRASGG	PKA,H4-PK
770	YHTTSHPGT	CK,CKII
771	SSEESITRI	CKI
772	PLAGSPVIA	CDK
773	LGSPLRRR	
774	TEDQYSLVE	Src,IR
775	TRTYSLGSA	CaM-II
776	PPSAYATVK	Src
777	RTKRSGSV	PKA
778	KREASLDNQ	PKA
779	LMDKYHVDN	
780	QQGMTVYGL	
781	SRSRSRSRS	RS
782	KRNSSPPPS	PKA
783	LQRYSSDPT	JAK2,Cam-II,EGFR

784	QRRTSLTGS	PKA
785	GVRQSRASD	
786	KRPSNRAKA	PKC
787	EAVTSPRFI	
788	EMTGYVATR	
789	HKIKSGAEA	PKC
790	LARRSTTDA	PKA
791	PYKFPSSPLRIPGZ	na
792	GGTGTPNKE	CDK
793	ALGISYGRK	PKC
794	DDSGSAMSG	GRK
795	EYVQTVKSS	PKC
796	GKTDYMGEA	IR
797	DSTYYKASK	FAK
798	EKEISDDEA	CKII
799	RRADSLQKN	PKC
800	SAYGSVKAY	PKC
801	NTSSSPQPK	CDK
802	GSRRR	PKC
803	AKAKTTKKR	PKC
804	DDAYSDET	CKI
805	ESVDYVPML	PDGFR
806	YSTDYREG	
807	SPKKSPRKA	sperm-specific
808	RKRSRKA	PKA,PKG
809	RPPASPSQ	CDK
810	SARLSAKPA	PKG
811	NRQSSQARV	PKA
812	KEAKSD	CKII
813	SSSNTIRRP	PKC
814	TKKQSFQQT	PKC
815	VDSAYEVIK	Fps/Fes
816	YRKSSLKSR	
817	SNVSSTGSI	GSK3
818	RARSRKE	PKA,PKG
819	VGPGYLGSG	
820	QTVKSSKGG	PKC
821	LRMFSEKAP	PKC
822	PRHLSNVSS	PKA
823	SSNEYMDMK	PI3-KINASE
824	THYGSLPQK	CaM-II
825	LRRPSDQAV	PKA
826	PRRNSRASL	PKA
827	KAKTTKRP	
828	KRPSGRAKA	PKC
829	PLSKTSLVSSL	AMP-PK,CKI,PKA,PK
830	QSGMTEYVA	
831	KGATSDEED	CKII
832	KRRNSEFEI	PKA
833	LTRRASFSAQ	PKA
834	HRQETVEAL	CaM-II
835	LRRFLATM	PKA
836	EEEAYGWMD	Src
837	EQESSGEED	CKII
838	IAADSEAEQ	CKII
839	MGEASGAQL	beta-ARK

840	PYKFPSSPLRIPGZ	na
841	GNGDYMPMS	IR
842	APRYPGGRR	MAPK
843	DGNKSPAPK	CDK
844	FMTEYVATR	
845	GRASSHSSQ	S6K
846	EDSTYYKAS	FAK
847	ENPQYFRQG	
848	RRPTPATVA	PKA
849	SFKLSGFSF	PKC
850	QEKESERLA	beta-ARK
851	RRVSV	
852	APFTPGGRR	MAPK
853	DEKLSEILG	
854	FGHNTIDAV	
855	RDEEYGYEA	
856	AVRRSDAA	PKA
857	TKRSGSV	PKA
858	RRKATQVGE	PKA,PKG
859	SEGDSSEGE	
860	PLDRSSHAQ	
861	RRASS	
862	STPLSPTRI	CDK
863	TPPLSPSRR	GSK3,ERT,MAPKK,PK
864	VKRISGLIY	H4-PK-I
865	RAAASRARQ	PKC
866	SPRTPGGRR	MAPK
867	RRRRSVA	
868	VRFESIRLP	PKA
869	SRKESYSVY	PKA,PKG
870	LSELSRRRI	
871	PSPSSRVTV	PKC
872	SSVPTPSPL	CDK
873	TNEEYLDLS	
874	LSRFSWGAE	PKC
875	PTKRSPTKR	sperm-specific
876	KISASRLQ	PKC
877	KSFGSPNRI	CDK
878	KRKQISVAGL	PK
879	SQHSTPPKK	p34cdc2
880	KKIDSFASN	PKC
881	KTETSQVAP	RK
882	PAAPSPGSS	MAPK
883	IGRFSEPHA	
884	MQLKSEIKQ	PhK
885	EEQEYIKTV	EGFR
886	ERRPSNVSQ	PKA
887	IPPHTPVRT	CDK
888	NDSTSVSAV	GRK
889	PYKFPSSPLRIPGZ	na
890	GRPITPPRN	CDK
891	ARTKRSGSV	PKA
892	DLPGTEDFV	GRK2,GRK5
893	GALYSGSEG	
894	GRVLTLP RS	PKC
895	EKESNDS	GRK

896	ERNLSFEIK	PKA,PKC
897	RRRRSRRAS	PKA,PKC
898	SIYSSDDDE	CKII
899	HGYSLG	
900	AAASFKAAR	PKC
901	ARKFSSARP	PKA
902	DKEYYSVHN	Met
903	FRKLSFTES	PKA
904	RFHKSSKDS	
905	RAKRSGSV	PKA
906	KSESSQK	S6K
907	RRRLSDSNF	CaM-I,PKA
908	SGKTSPSSS	
909	KSRRTI	PKC
910	TAILE	
911	SYPLSPLSD	MAPK
912	TRQASQAGP	CaM-II
913	VRVYTHEVV	CDK
914	RENEYMPMA	Src
915	GRGLSLSR	PKA
916	YIYGSFK	p60c-src
917	VTRSSAVRL	
918	SRRLSQETG	PKA,PKG
919	PASPSPQRQ	CDK
920	PWRITDNEL	
921	STSVSAVAS	GRK
922	TRIPSAKKY	PKC
923	PGGSTPVSS	CDK
924	QGTLKIFK	PKC
925	KKRLSVERI	PKC
926	KYRKSSLKS	
927	PLSRRLSVA	AMP-PK,CKI,PKA,PK
928	SRLHSVRER	
929	KNDKSKTWQ	IR
930	LGGGTFDIS	DnaK
931	QHLLKSVMLQ	PKA
932	ISQESSEEE	CKII
933	NGDASPAAA	
934	EHVSSSEES	CKI
935	ESMESYEVS	
936	KQLASFEIY	
937	NMPSSDDGL	GRK
938	PYKFPSSPLRIPGZ	na
939	GSLKSRKRA	
940	AVRRSDRAY	PKA
941	DPTMSKKKK	PKC
942	GGGTSPVFP	CDK
943	GSTSTPAPS	MFPK
944	EGGRTVGAG	
945	ESHESLESY	
946	RVLESFRAA	PKC
947	SMANSFVGT	Raf1
948	RRPSPA	
949	ADSFSLNDA	CKI
950	ATSASPPQK	CDK
951	DNLYYWDQD	erbB2

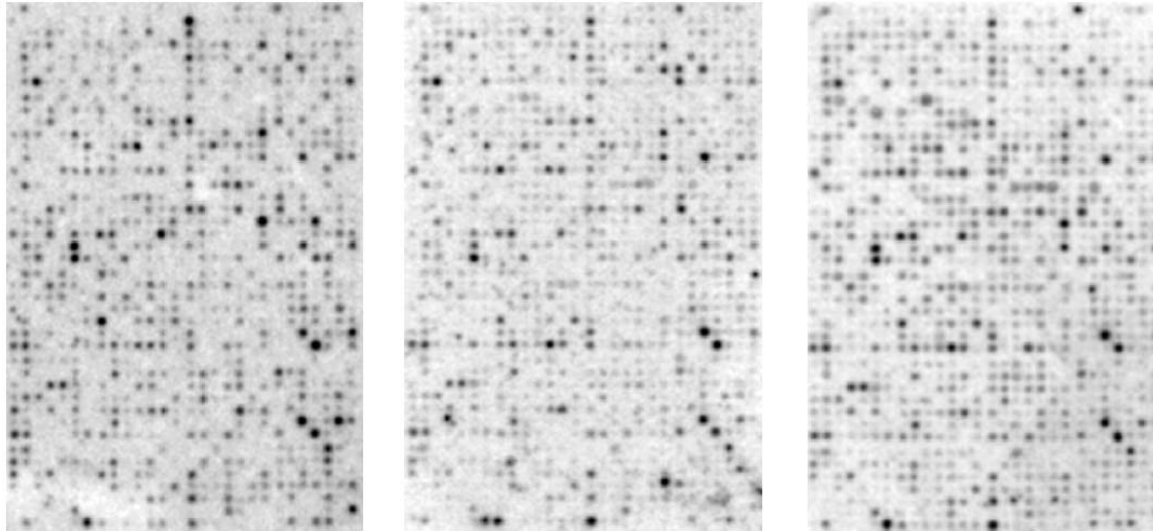
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955	LRRGSLG	PKA,H4-PK
956	RRSVSEAAL	AMP-PK,CaM-II
957	SLAMSPRQR	
958	RRASLG	
959	AAVDTSEI	CKII
960	TESQSLTLT	PKA
961	TTRVTPLRT	CDK
962	WTADSGEGD	
963	RHRDTGILD	PKA
964	NRIYTHQVV	CDK
965	LRKASLG	PKA,H4-PK
966	YHGHSMSDP	PDK
967	SSEESIISQ	CKI
968	PKRGSGBKDG	PKA,PKC
969	LGSALRRR	
970	TDESDNEI	
971	TRSVSSSSY	PKA,PKC
972	PPRRSSIRN	
973	RTKGSQSV	PKA
974	KRAASPRKS	sperm-specific
975	LMAPSEEDH	
976	QNPVYHNQP	EGFR
977	SRSRSRSPG	RS
978	KRKVSSAEG	PKA
979	LQDDYEDMM	Lyn,Syk
980	QRRSSEGST	PKA
981	GVLRRASVA	
982	KRPSLRAKA	PKC
983	EASTTVSKT	PKC
984	ELSNYIAMG	IR
985	HHHATPSPP	GSK3
986	KTETSQVAP	RK
987	PYKFPSSPLRIPGZ	na
988	GGSVTKKRK	PKC
989	AKRISGKMA	
990	DDPSYVNVQ	Fyn,Lck,IR,PDGFR
991	EVEKSPVKS	
992	GKSSSYSKQ	PKC
993	DSRSSLIRK	PKC
994	EKAKSPVPK	
995	RQRKSRTTI	PKC
996	SAYATVKAY	PKC
997	NTDGSTDYG	PKA
998	KRTRLR	PKC
999	AGPTSARDG	
1000	DAPDTPPELL	CDK
1001	ESSYSYEEI	
1002	YSLGSALRP	PKC
1003	SPHQSEDEE	
1004	RKRSRAE	PKA,PKG
1005	RNASTNDSP	beta-ARK
1006	SAELYSNAL	PDGFR
1007	NRQLSSGVV	PKA,PKC

1008	VGPDS	CK2,PKR
1009	SSSESGAPE	CKII
1010	TKHIYSNLA	Kit
1011	VDEMYREAP	EGFR
1012	YRKGSLKSR	
1013	SNQEYLDLS	FGFR
1014	RKISASE	PKG,PKA
1015	VGFMTEYVA	MAPK1
1016	QTASSPLSP	CDK
1017	LRKVSKQEE	PKA,PKG
1018	PQRATSNVF	MLCK
1019	SSNDSTSVS	GRK
1020	THVASVSDV	AMP-PK
1021	LRLSTKYR	PKA,PKC
1022	PRRDSTEGF	PKA
1023	KAEEYILKK	
1024	KRPSFRAKA	PKC
1025	PTPSAPSPQPKG	CDK
1026	QRYSSDPTG	JAK2,Cam-II,EGFR
1027	KEDTYTAHA	Src
1028	KRRLSFSET	
1029	KRAKAKTTKRR	PKC
1030	HRQETVDAL	CaM-II
1031	LNRMSFASN	AMP-PK,PKA
1032	EEDTYTMPS	
1033	EQEEYEDPD	Lyn,Syk
1034	HVSSSEESI	CKI
1035	METPSQRRR	PKC
1036	PYKFPSSPLRIPGZ	na
1037	GNFNVEFT	EGFR
1038	APRTPGGRR	MAPK
1039	DGNGYISAA	IR,EGFR
1040	FLTEYVATR	
1041	GRALSTRAQ	PK,PKC
1042	EDRMSLVNS	
1043	ENPEYLGLD	erbB2
1044	RRLSSLRAS	S6K
1045	SFKKSFKLS	PKC
1046	PSKKYAIKG	
1047	RRPSV	
1048	APETPGGRR	MAPK
1049	DEEMSETAD	CKI
1050	FFSSSESGA	CKII
1051	RDDTYTAHA	Abl
1052	APTPGGRR	MAPK
1053	STNDSPL	beta-ARK
1054	RRKASGPPV	PKA
1055	SEENSKKTV	CKI
1056	PASPSQRQ	CDK
1057	RRASR	
1058	STNEYMDMK	PI3K,CHK
1059	TPPLSPIDM	ERT,PK
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1061	QRATSNVFA	MLCK
1062	SPRKSPRKS	sperm-specific
1063	RRRASVA	PKA,PKC

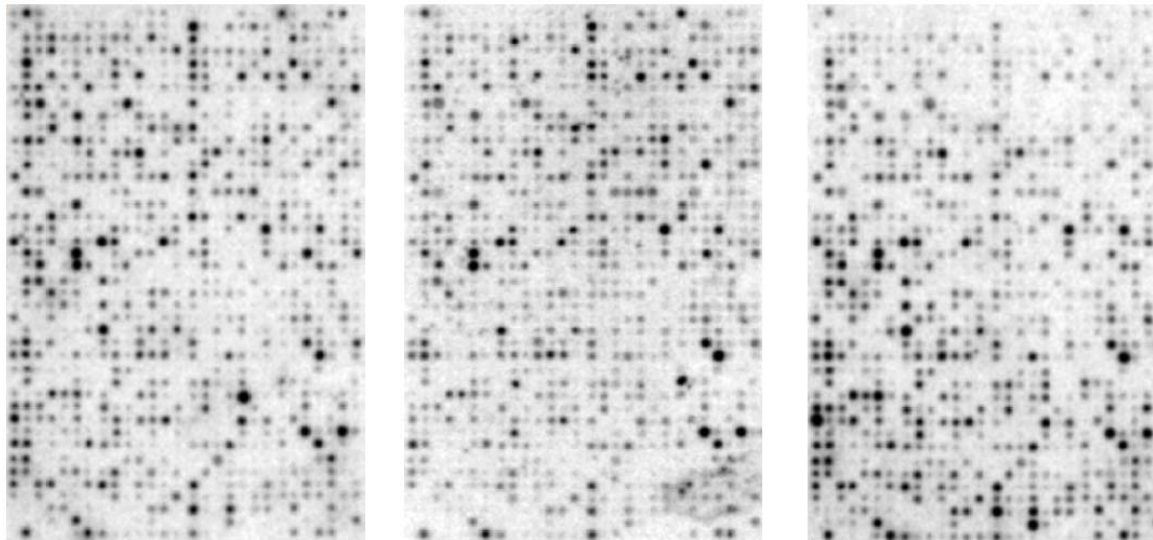
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1066	LSEHSSPEE	CKII
1067	PSPKYPGPQ	
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1069	TLSDSDDED	CKII
1070	LSLDSQGRN	beta-ARK
1071	PTKRSPQKG	sperm-specific
1072	KIQASFRGH	PKC
1073	KRSNSVDTS	PKA
1074	KRKQISGRGL	PK,PKA
1075	SQESSEEEQ	CKII
1076	KKDVTVPKA	
1077	KSRWSGSQQ	PKC
1078	LYSGSEGDS	
1079	IGHHSTSDD	BCKDK
1080	MPGETPPLS	GSK3
1081	EEPVYEAEP	
1082	ERRNSILTE	PKA,PKG
1083	INETSQHHD	p37
1084	NDSNYVVKG	
1085	PYKFPSSPLRIPGZ	na
1086	GRNASTNDS	GRK2,GRK5
1087	ARSGSSTYS	PKA
1088	DLLTSPDVG	CDK,CKII
1089	GAGNSLRTA	
1090	GRTWTLAGT	PKA
1091	EEHVYSFPN	Abl,FAK,Src
1092	ERHHSIDAQ	
1093	RRRRAASVA	
1094	SIRDTPAKN	
1095	GGYSLG	
1096	AAASFKAKK	PKC
1097	ARDIYKNDY	
1098	DKEVSDDEA	CKII
1099	FRKFTKSER	PKG
1100	RFFGSDRGA	PKC
1101	PRTPGGRR	MAPK
1102	KRRVSEV	
1103	RRRGSSIPQ	PKA
1104	SGDTSRHL	
1105	KQITVR	PK
1106	SSKRA	PKC
1107	SVSSSSYRR	PKC
1108	TRQASISGP	CaM-II
1109	VRTYTHEVV	CDK
1110	REILSRRPS	GSK3
1111	GASGSFKL	PKC
1112	VRRSDRA	PKA
1113	VTRRTLSDM	PKA
1114	SRRGESSE	PKA,S6K
1115	PASAYGSVK	Src
1116	PWQVSLRTR	
1117	STSRSLYSS	PKA,PKC
1118	TRGGSLERS	PKC
1119	PFKLSGLSF	PKC

1120	QEQEYVQAV	EGFR
1121	KKRFSFKKS	PKC
1122	KYLASASTM	CaM-II
1123	PRRVSRRRR	PKC
1124	SRKRSGEAT	PKA
1125	KMKDSDSEE	CKII
1126	LFRLSEHSS	CKII
1127	QDENTVSTS	GRK
1128	ISITSRKAQ	ERA
1129	NFLKTSAGS	CCD,PK
1130	EHIPYTHMN	IR
1131	ESMESYELN	
1132	KKRFSFKKS	PKC
1133	NKQGYKARQ	
1134	PYKFPSSPLRIPGZ	na
1135	GSGTSSRPS	PKC
1136	AVMVSHYIH	
1137	DPPGTESFV	beta-ARK
1138	GFKRSYEEH	
1139	GSRRRRRRY	PKC
1140	EFPLSPPKK	CDK
1141	ESEKTKTKE	MHCK
1142	RSSMSGLHL	AMP-PK
1143	SLVNSRAQE	
1144	RRATVA	
1145	ADSFSLHDA	CKI
1146	ATRRSYVSS	PKA,PKC
1147	DNIDSQGRN	GRK2,GRK5
1148	GDSSEGEIE	
1149	RKRKSSQAL	PKA
1150	AKRSRKE	PKA,PKG
1151	LRRATLG	PKA,H4-PK
1152	RRSSSVGYI	PKA,PKC
1153	SKVTSKAGS	
1154	RGYSLG	PKA
1155	AARTPGGRR	MAPK
1156	TEPQYQPGE	Csk
1157	TTRRSASKT	PKA
1158	WLTKTPEGN	CDK
1159	RGRSSVYSA	MHCK
1160	RKRTLRRRL	PKC
1161	LRHASLG	PKA,H4-PK
1162	YNGYSSNS	IR
1163	SRTPSLPTP	PKA,PKC,PKN,CDK,GSK3,S6K
1164	PKKGSKKAV	PKA
1165	LELSDDDD	CKII
1166	TDDGYMPMS	IR
1167	TRRLTGFLP	
1168	PPEKTEEEE	
1169	RTGRSGSV	PKA
1170	KQSPSSSPT	PKC?
1171	LLRPSRRVR	
1172	QMALTPVVV	CAK
1173	SRSRSPGRP	RS
1174	KRKRSRKES	PKA
1175	LQAISPKQS	PKC

A.



B.



PepChips for mature and immature NK cells. The resulting images after phosphor imaging screens are exposed to the PepChips™ and then developed. These images were used to determine the phosphorylation signature for A) Immature NK cells and B) Mature NK cells.

