

**Supporting Information S3.** The benchmark dataset  $S_{\xi=6}(Y)$  used to train and test the model for predicting the possibility of phosphorylation at Tyr site. It contains 8,804 samples, of which 743 are positive samples and 8,061 are negative samples. All these samples were derived from 1,770 protein sequences in which none has  $\geq 50\%$  pairwise sequence identity with any other. See the main text for further explanation.

(1) List of the 743 peptide samples in the positive subset  $S_{\xi=6}^+(Y)$

Sample #	Protein ID	Site	Sequences
1	A8K4G0	188	PGEQPIYMNFSPEP
2	O00213	547	QKFQVYILGNVPV
3	O00401	256	ETSKVIYDFIEKT
4	O00459	464	REYDQLYEEYTRT
5	O00459	605	NETEDQYALMEDE
6	O00459	655	SSQRGCYACSVVV
7	O14492	629	RAVENQYSFYYYY
8	O14493	208	SAAASNYYVVVVVV
9	O14654	921	ADSSSDYVNMDFT
10	O14746	707	DPPPELYFVKVDV
11	O14818	153	TDPSGTYHAWKAN
12	O15162	69	VPNQPVYNQPVYN
13	O15162	74	VYNQPVYNQPVGA
14	O15259	46	NKRQHIYQRCIQL
15	O15259	349	NQFRANYFLQPEL
16	O15259	721	DLSEQTYDFLGEM
17	O15264	182	DAEMTGYYVTRWY
18	O15269	164	TEEAIYYSYGFAT
19	O15304	34	GVCAERYSQEVFE
20	O15350	28	LEPDSTYFDLPQS
21	O15350	99	VPTHSPYAQPSST
22	O15357	986	SFNNPAYVLEGV
23	O15357	1135	TLSEVDYAPAGPA
24	O15357	1162	RGLPSDYGRPLSF
25	O15446	80	AGKRHRYYRVLSSC
26	O15455	759	QFEYAAYYIIHAYK
27	O15455	858	LEEIPDYKLNHAL
28	O15492	168	LMEKDSYPRFLKS
29	O15492	177	FLKSPAYRDLAAQ
30	O15530	9	RTTSQLYDAVPIQ
31	O15530	373	EDDEDCYGNYNL
32	O15530	376	EDCYGNYDNLLSQ
33	O15547	64	LLAKKGYQERDLE
34	O43294	38	LTPPPSYGHQPQT
35	O43294	60	GDKDHLYSTVCKP
36	O43353	381	RKAQDCYFMKLHH
37	O43353	474	LIMKEDYELVSTK
38	O43561	110	ANSVASYENEGAS
39	O43561	156	DEDEDDYHNPGYL
40	O43561	161	DYHNPGYLVVLPD
41	O43561	200	MESIDDYVNVPEP
42	O43561	220	LDGSREYVNVSQE

43	O43561	255	EEGAPD <b>Y</b> ENLQEL
44	O60331	639	APATDI <b>Y</b> FPTDER
45	O60331	649	DERSWV <b>Y</b> SPLHYS
46	O60602	798	VGSLSQ <b>Y</b> QLMKHQ
47	O60674	119	LYRIRF <b>Y</b> FPRWYC
48	O60674	372	VSLIDG <b>Y</b> YRLTAD
49	O60674	373	SLIDGY <b>Y</b> RLTADA
50	O60674	813	SLFTPD <b>Y</b> ELLTEN
51	O60674	868	SVEMCR <b>Y</b> DPLQDN
52	O60674	966	ICKGME <b>Y</b> LGTKRY
53	O60674	972	YLGTKR <b>Y</b> IHRDLA
54	O60674	1007	LPQDKE <b>Y</b> YKVKEP
55	O60674	1008	PQDKEY <b>Y</b> KVKEPG
56	O60711	22	LQDSDE <b>Y</b> SNPAPL
57	O60711	62	LPAQLV <b>Y</b> TTNIQE
58	O60711	72	IQELNV <b>Y</b> SEAQEP
59	O60716	112	GQIVET <b>Y</b> TEEDPE
60	O60716	217	DGYSRH <b>Y</b> EDGYPG
61	O60716	221	RHYEDG <b>Y</b> PGGSDN
62	O60716	228	PGGSDN <b>Y</b> GSLSRV
63	O60716	257	PSRQDV <b>Y</b> GPQPQV
64	O60716	280	RFHPEP <b>Y</b> GLEDDQ
65	O60716	865	SQSSHS <b>Y</b> DDSTLP
66	O60716	904	KSLDNN <b>Y</b> STPNER
67	O75056	409	LVTLLI <b>Y</b> RMKKKD
68	O75056	419	KKDEGS <b>Y</b> TLEPK
69	O75056	431	KQASVT <b>Y</b> QKPKQ
70	O75056	441	DKQEEF <b>Y</b> AAAAAA
71	O75116	722	ADKNKI <b>Y</b> ESIEEA
72	O75563	75	AEDGE <b>Y</b> DDPFAG
73	O75563	151	SKTVFY <b>Y</b> YGSDKD
74	O75563	197	APDKRI <b>Y</b> QFTAAS
75	O75563	261	PIDDEI <b>Y</b> EELPEE
76	O75716	198	QRCTIS <b>Y</b> RAPELF
77	O75807	262	DPRSWE <b>Y</b> RSGEAS
78	O75807	391	FLKSWV <b>Y</b> QPGEDT
79	O75807	434	FLKAWV <b>Y</b> RPGEDT
80	O75807	512	PFRVAI <b>Y</b> VPGEKP
81	O95297	241	HQGPVI <b>Y</b> AQLDHS
82	O95297	263	KSESVV <b>Y</b> ADIRKN
83	O95866	211	QEPSLL <b>Y</b> ADLDHL
84	P01100	10	SGFNAD <b>Y</b> EASSSR
85	P01100	30	GDSL <b>Y</b> SYHSPADS
86	P02730	8	EELQDD <b>Y</b> EDMMEE
87	P02730	21	NLEQEE <b>Y</b> EDPDIP
88	P02730	46	EATATD <b>Y</b> HTTSHP
89	P02730	359	KPDSSF <b>Y</b> KGLDLN
90	P02730	904	EEGRDE <b>Y</b> DEVAMP
91	P03372	537	KNVVPL <b>Y</b> DLLLEM
92	P03956	360	QNVLHG <b>Y</b> PKDIYS
93	P04083	21	ENEEQE <b>Y</b> VQTVKS
94	P04626	1139	CSPQPE <b>Y</b> VNQPDV
95	P04626	1196	AVENPE <b>Y</b> LTPQGG
96	P04626	1248	TAENPE <b>Y</b> LGLDVP
97	P04629	496	IIENPQ <b>Y</b> FSDACV
98	P04629	676	GMSRDI <b>Y</b> STDYR
99	P04629	680	DIYSTD <b>Y</b> YRVGGR
100	P04629	681	IYSTDY <b>Y</b> RVGGRT

101	P04629	791	AQAPPV <del>Y</del> LDVLGG
102	P05060	401	DKMAHG <del>Y</del> GEESEE
103	P05067	497	FNMLKK <del>Y</del> VRAEQK
104	P05067	757	KMQQNG <del>Y</del> ENPTYK
105	P05106	773	TANNPL <del>Y</del> KEATST
106	P05106	785	TFTNIT <del>Y</del> RGTTTT
107	P06213	401	LKIRRS <del>Y</del> ALVSLS
108	P06213	992	GPLGPL <del>Y</del> ASSNPE
109	P06213	999	ASSNPE <del>Y</del> LSASDV
110	P06213	1011	VFPCSV <del>Y</del> VPDEWE
111	P06213	1355	LGFKRS <del>Y</del> EEHIPY
112	P06213	1361	YEEHIP <del>Y</del> THMNGG
113	P06396	86	PVPTNL <del>Y</del> GDFFTG
114	P06396	409	DGLGLS <del>Y</del> LSSHIA
115	P06396	465	PVDPAT <del>Y</del> GQFYGG
116	P06396	603	KTPSAA <del>Y</del> LWVG TG
117	P06396	651	LGGKAA <del>Y</del> RTSPRL
118	P07332	261	IQPEAE <del>Y</del> QGFLRQ
119	P07332	713	EEADGV <del>Y</del> AASGGL
120	P07333	546	YKQKPK <del>Y</del> QVRWKI
121	P07333	561	SYEGNS <del>Y</del> TFIDPT
122	P07333	699	PEGGVD <del>Y</del> KNIHLE
123	P07333	708	IHLEKK <del>Y</del> VRRDSG
124	P07333	723	SQGVDT <del>Y</del> VEMRPV
125	P07333	809	IMNDSN <del>Y</del> IVKGNA
126	P07333	923	DRRERD <del>Y</del> TNLPSS
127	P07333	969	LLQPNN <del>Y</del> QFCCCC
128	P07550	141	ITSPFK <del>Y</del> QSLLTK
129	P07766	188	PVPNPD <del>Y</del> EPIRKG
130	P07766	199	KGQRD <del>Y</del> LSGLNQR
131	P07947	32	STSVSH <del>Y</del> GAEPTT
132	P07947	336	DKLVPL <del>Y</del> AVVSEE
133	P07947	345	VSEEP <del>Y</del> IIVTEFM
134	P07947	426	LIEDNE <del>Y</del> TARQGA
135	P07947	446	APEAAL <del>Y</del> GRFTIK
136	P07947	537	TATEPQ <del>Y</del> QPGENL
137	P07949	806	LLLIVE <del>Y</del> AKYGSL
138	P07949	809	IVEYAK <del>Y</del> GSLRGF
139	P07949	900	GLSRDV <del>Y</del> EEDSYV
140	P07949	905	VYEEDS <del>Y</del> VKRSQG
141	P07949	981	NCSEEM <del>Y</del> RLMLQC
142	P07949	1015	MVKRRD <del>Y</del> LDLAAS
143	P07949	1062	WIENKL <del>Y</del> GMSDPN
144	P07949	1090	NTGFPR <del>Y</del> PNDSVY
145	P07949	1096	YPNDSV <del>Y</del> ANWMLS
146	P08069	980	ASVNPE <del>Y</del> FSAADV
147	P08069	1161	GMTRDI <del>Y</del> ETDYR
148	P08069	1165	DIYETD <del>Y</del> YRKGGK
149	P08069	1166	IYETDY <del>Y</del> RKGGKG
150	P08581	1003	SNESVD <del>Y</del> RATFPE
151	P08581	1230	GLARDM <del>Y</del> DKEYYS
152	P08581	1234	DMYDKE <del>Y</del> YSVHNK
153	P08581	1235	MYDKEY <del>Y</del> SVHNKT
154	P08581	1349	TFIGEH <del>Y</del> VHVNAT
155	P08581	1356	VHVNAT <del>Y</del> VNVKCV
156	P08581	1365	VKCVAP <del>Y</del> PSLLSS
157	P08833	158	WDAIST <del>Y</del> DGSKAL
158	P08865	139	PLTEAS <del>Y</del> VNLPTI

159	P09038	215	GVCANR <b>Y</b> LAMKED
160	P09211	4	MMMMPP <b>Y</b> TVVYFP
161	P09211	199	FLASPE <b>Y</b> VNLPIN
162	P09619	562	WQKKPR <b>Y</b> EIRWKV
163	P09619	579	SSDGHE <b>Y</b> IYVDPM
164	P09619	686	ITEYCR <b>Y</b> GDLVDY
165	P09619	716	PPSAEL <b>Y</b> SNALPV
166	P09619	740	GESDGG <b>Y</b> MDMSKD
167	P09619	751	KDESVD <b>Y</b> VPMLDM
168	P09619	763	MKGDVK <b>Y</b> ADIESS
169	P09619	771	DISSN <b>Y</b> MAPYDN
170	P09619	775	SNYMAP <b>Y</b> DNVPS
171	P09619	778	MAPYDN <b>Y</b> VPSAFE
172	P09619	857	IMRDSN <b>Y</b> ISKGST
173	P09619	934	HASDEI <b>Y</b> EIMQKC
174	P09619	970	EGYKKK <b>Y</b> QQVDEE
175	P09619	1009	DTSSVL <b>Y</b> TAVQPN
176	P09619	1021	NEGDND <b>Y</b> IIPLPD
177	P10275	223	TSSKDN <b>Y</b> LGSTST
178	P10275	267	LRGDCM <b>Y</b> APLLGV
179	P10275	307	TEDTAE <b>Y</b> SPFKGG
180	P10275	346	PSTLSL <b>Y</b> KSGALD
181	P10275	357	LDEAAA <b>Y</b> QSRDYY
182	P10275	362	AYQSRD <b>Y</b> YNFPLA
183	P10275	363	YQSRDY <b>Y</b> NFPLAL
184	P10275	393	LENPLD <b>Y</b> GSAAWA
185	P10275	534	DSYSGP <b>Y</b> GDMRLE
186	P10275	551	HVLPID <b>Y</b> YFPPQK
187	P10275	915	GKVKPI <b>Y</b> FHTQQQ
188	P10451	225	SRGKDS <b>Y</b> ETSQLD
189	P10636	18	EDHAGT <b>Y</b> GLGDRK
190	P10636	514	SGDRSG <b>Y</b> SSPGSP
191	P10721	547	MILTYK <b>Y</b> LQKPMY
192	P10721	553	YLQKPM <b>Y</b> EVQWKV
193	P10721	568	EINGNN <b>Y</b> VYIDPT
194	P10721	570	NGNNYV <b>Y</b> IDPTQL
195	P10721	703	HAEAAL <b>Y</b> KNLLHS
196	P10721	721	SDSTNE <b>Y</b> MDMKPG
197	P10721	730	MKPGVS <b>Y</b> VVPTKA
198	P10721	823	IKNDSN <b>Y</b> VVKGNA
199	P10721	900	HAPAEM <b>Y</b> DIMKTC
200	P10721	936	ESTNHI <b>Y</b> SNLANC
201	P11171	222	LLDDTV <b>Y</b> ECVVEK
202	P11171	660	LDGENI <b>Y</b> IRHSNL
203	P11274	177	DAEKPF <b>Y</b> VNVEFH
204	P11274	246	CGVDGD <b>Y</b> EDAELN
205	P11362	463	LAGVSE <b>Y</b> ELPEDP
206	P11362	583	RPPGLE <b>Y</b> CYNPSH
207	P11362	585	PGLEYC <b>Y</b> NPSHNP
208	P11362	653	DIHHID <b>Y</b> YKKT TN
209	P11362	654	IHHIDY <b>Y</b> KKT TN
210	P11362	730	NCTNEL <b>Y</b> MMMRDC
211	P11362	766	LTSNQE <b>Y</b> LDLSMP
212	P11488	142	FERASE <b>Y</b> QLNDSA
213	P12004	211	LTfALR <b>Y</b> LNFFTK
214	P12814	12	SQQTND <b>Y</b> MQPEED
215	P12830	753	DTRDNV <b>Y</b> YYDEEG
216	P12830	754	TRDNVY <b>Y</b> YDEEG

217	P12830	755	RDNVYY <b>Y</b> DEEGGG
218	P13639	265	KLWGDR <b>Y</b> FDPANG
219	P13639	373	YRCELL <b>Y</b> EGPPDD
220	P14317	140	SAVGFD <b>Y</b> KGEVEK
221	P14317	198	KGFGGQ <b>Y</b> GIQKDR
222	P14317	222	EAPTTA <b>Y</b> KKTTPI
223	P14317	378	PEPEND <b>Y</b> EDVEEM
224	P14317	397	DEPEGD <b>Y</b> EEVLEP
225	P14778	496	LEKIQD <b>Y</b> EKMPES
226	P15151	398	ANGHVS <b>Y</b> SAVSRE
227	P15311	116	ILSDEI <b>Y</b> CPPETA
228	P15311	146	EVHKSG <b>Y</b> LSSERL
229	P15311	354	MLRLQD <b>Y</b> EETKK
230	P15311	478	PPPPPV <b>Y</b> EPVSYH
231	P15391	348	SGPQNQ <b>Y</b> GNVLSL
232	P15391	378	GGTAPS <b>Y</b> GNPSSD
233	P15391	409	EEEGEG <b>Y</b> EEDPSE
234	P15391	439	SQDGS <b>Y</b> ENPEDE
235	P15941	1203	FPARDT <b>Y</b> HPMSEY
236	P15941	1212	MSEYPT <b>Y</b> HTHGRY
237	P15941	1218	YHTHGR <b>Y</b> VPPSST
238	P15941	1229	STDRSP <b>Y</b> EKVSAG
239	P15941	1243	GGSSLS <b>Y</b> TNPAVA
240	P16234	572	SPDGHE <b>Y</b> IYVDPM
241	P16234	574	DGHEYI <b>Y</b> VDPMQL
242	P16234	720	DESTRS <b>Y</b> VILSFE
243	P16234	731	FENNGD <b>Y</b> MDMKQA
244	P16234	742	QADTTQ <b>Y</b> VPMLER
245	P16234	754	RKEVSK <b>Y</b> SDIORS
246	P16234	762	DIQRSL <b>Y</b> DRPASY
247	P16234	768	YDRPAS <b>Y</b> KKKSML
248	P16234	849	IMHDSN <b>Y</b> VSKGST
249	P16234	988	VDSDNA <b>Y</b> IGVTYK
250	P16234	1018	LSADSG <b>Y</b> IIPLPD
251	P16284	690	LNSDVQ <b>Y</b> TEVQVS
252	P16284	713	KDTETV <b>Y</b> SEVRKA
253	P16410	201	PLTTGV <b>Y</b> VKMPPT
254	P17948	914	IVEYCK <b>Y</b> GNLSNY
255	P17948	1053	IYKNPD <b>Y</b> VRKGD
256	P17948	1169	QQDGKD <b>Y</b> IPINAI
257	P17948	1213	SSDDVR <b>Y</b> VNAFKF
258	P17948	1242	TSMFDD <b>Y</b> QGDSST
259	P17948	1309	GKRRFT <b>Y</b> DHAELE
260	P17948	1327	CSPPPD <b>Y</b> NSVVL
261	P17948	1333	YNSVVL <b>Y</b> STPPII
262	P18031	20	GSWAAI <b>Y</b> QDIRHE
263	P18031	66	HQEDND <b>Y</b> INASLI
264	P18206	537	NVMMGP <b>Y</b> RQDLLA
265	P18206	822	SFLDSG <b>Y</b> RILGAV
266	P18206	1133	VRKTPW <b>Y</b> QQQQQQ
267	P18669	26	NRFSGW <b>Y</b> DADLSP
268	P19174	506	PVNHEW <b>Y</b> PHYFVL
269	P19174	771	GTAEPD <b>Y</b> GALYEG
270	P19174	775	PDYGAL <b>Y</b> EGRNPG
271	P19174	783	GRNPGF <b>Y</b> VEANPM
272	P19174	977	GTERAC <b>Y</b> RDMSSE
273	P19174	1253	GSFESR <b>Y</b> QQPFED
274	P19404	193	QINDNY <b>Y</b> EDLTAK

275	P19429	26	RRRSSN <b>Y</b> RAYATE
276	P19525	101	GLSMGN <b>Y</b> IGLINR
277	P19525	162	LAAKLA <b>Y</b> LQILSE
278	P19525	293	RIDGKT <b>Y</b> VIKRVK
279	P20138	340	MDEELH <b>Y</b> ASLNFH
280	P20138	358	KDTSTE <b>Y</b> SEVRTQ
281	P22681	674	SSANAI <b>Y</b> SLAARP
282	P22681	700	GEEDTE <b>Y</b> MT PSSR
283	P22681	731	QIDSCT <b>Y</b> EAMYN I
284	P22681	774	ENEDDG <b>Y</b> DVPKPP
285	P23246	293	RPGEKT <b>Y</b> TQRCRL
286	P23458	3	MMMMMQ <b>Y</b> LN I KED
287	P23458	1034	IETDKE <b>Y</b> YTVKDD
288	P23458	1035	ETDKEY <b>Y</b> TVKDDR
289	P24394	497	IAGNPA <b>Y</b> RSFSNS
290	P24394	575	SAPTSG <b>Y</b> QEFVHA
291	P24394	603	PPGEAG <b>Y</b> KAFSSL
292	P24394	631	SSGEEG <b>Y</b> KPFQDL
293	P24666	132	LIIEDP <b>Y</b> YGNDS D
294	P24666	133	IIEDPY <b>Y</b> GNDSDF
295	P25963	42	SMKDEE <b>Y</b> EQMVKE
296	P27361	204	TGFLTE <b>Y</b> VATRWY
297	P28370	954	HQLRIQ <b>Y</b> GTSK GK
298	P29317	588	LKPLKT <b>Y</b> VDPHTY
299	P29317	628	GEFGEV <b>Y</b> KGMLKT
300	P29317	735	YLANMN <b>Y</b> VHRDLA
301	P29317	921	SIKMQQ <b>Y</b> TEHFMA
302	P29317	930	HFMAAG <b>Y</b> TAIEKV
303	P29350	64	GDFYDL <b>Y</b> GG EKFA
304	P29350	377	QRAYGP <b>Y</b> SVTNCG
305	P29350	536	KGQESE <b>Y</b> GNITYP
306	P29350	564	KHKEDV <b>Y</b> ENLHTK
307	P29597	292	AEGEPC <b>Y</b> IRDSGV
308	P29597	604	GTRTNV <b>Y</b> EGRLRV
309	P29597	1054	VPEGHE <b>Y</b> YRVRED
310	P30040	64	VKFDTQ <b>Y</b> PYGEKQ
311	P30040	66	FDTQYP <b>Y</b> GEKQDE
312	P30530	703	IYNGDY <b>Y</b> RQGRIA
313	P30530	779	DCLDGL <b>Y</b> ALMSRC
314	P30530	821	EPDEIL <b>Y</b> VNMDEG
315	P30530	866	VHPAGR <b>Y</b> VLC PST
316	P31040	215	LRYDTS <b>Y</b> FVEYFA
317	P31645	47	GQISNG <b>Y</b> SAVPSP
318	P31645	142	ELALGQ <b>Y</b> HRNGCI
319	P31995	294	ETADGG <b>Y</b> MTLNPR
320	P31995	310	DDDKNI <b>Y</b> LTLPN
321	P35222	64	DTSQVL <b>Y</b> EWEQGF
322	P35222	86	ADIDGQ <b>Y</b> AMTRAQ
323	P35222	142	VVNLIN <b>Y</b> QDDAEL
324	P35222	331	VNIMRT <b>Y</b> TYEKLL
325	P35222	333	IMRTYT <b>Y</b> EKLLWT
326	P35222	654	NEGVAT <b>Y</b> AAAVLF
327	P35568	465	EEELSN <b>Y</b> ICMG GK
328	P35568	612	LHTDDG <b>Y</b> MPMSPG
329	P35568	632	RKGS GD <b>Y</b> MPMSPK
330	P35568	662	RVDPNG <b>Y</b> MMSPS
331	P35568	896	PKSPGE <b>Y</b> VNIEFG
332	P35568	941	ETGTEE <b>Y</b> MKMDLG

333	P35568	989	PSSRGD <del>Y</del> MTMQMS
334	P35568	1179	LENGLN <del>Y</del> IDLDLV
335	P35568	1229	SEDL <del>S</del> A <del>Y</del> ASISFQ
336	P35916	830	LEEQCE <del>Y</del> LSYDAS
337	P35916	833	QCEYLS <del>Y</del> DASQWE
338	P35916	853	LGRVLG <del>Y</del> GAFGKV
339	P35916	1068	IYKDPD <del>Y</del> VRKGSA
340	P35916	1230	HSLAAR <del>Y</del> YNWVSF
341	P35916	1231	SLAARY <del>Y</del> NWVSFP
342	P35916	1265	PMTPTT <del>Y</del> KGSVDN
343	P35916	1333	RGGQVF <del>Y</del> NSEYGE
344	P35916	1337	VFYNSE <del>Y</del> GELSEP
345	P35916	1363	FFTDNS <del>Y</del> YYYYYY
346	P35968	801	GELKTG <del>Y</del> LSIVMD
347	P35968	951	FRQGKD <del>Y</del> VGAIPV
348	P35968	996	EAPEDL <del>Y</del> KDFLTL
349	P35968	1054	GLARDI <del>Y</del> KDPDYV
350	P35968	1059	IYKDPD <del>Y</del> VRKGDA
351	P35968	1175	QQDGKD <del>Y</del> IVLPIS
352	P35968	1214	CDPKFH <del>Y</del> DNTAGI
353	P35968	1305	SNQTS <del>G</del> <del>Y</del> QSGYHS
354	P35968	1309	SGYQSG <del>Y</del> HSDDTD
355	P35968	1319	DTD <del>T</del> T <del>V</del> <del>Y</del> SSEEAE
356	P36888	572	YKKQFR <del>Y</del> ESQLQM
357	P36888	589	GSSDNE <del>Y</del> FYVDFR
358	P36888	591	SDNEYF <del>Y</del> VDFREY
359	P36888	599	DFREYE <del>Y</del> DLKWEF
360	P36888	726	EHNFSF <del>Y</del> PTFQSH
361	P36888	768	SEDEIE <del>Y</del> ENQKRL
362	P36888	793	DLLCF <del>A</del> <del>Y</del> QVAKGM
363	P36888	842	IMSDSN <del>Y</del> VVRGNA
364	P36888	955	DAEEAM <del>Y</del> QNV DGR
365	P36888	969	SECPHT <del>Y</del> QNR RPF
366	P36896	380	RVG <del>T</del> K <del>R</del> <del>Y</del> MAPEVL
367	P37840	125	DPDNEA <del>Y</del> EMPSEE
368	P40763	705	PGSAAP <del>Y</del> LKTKFI
369	P41240	184	AAQDEF <del>Y</del> RSGWAL
370	P41240	304	VCEAME <del>Y</del> LEGN NF
371	P41240	416	GCPPAV <del>Y</del> EVMKNC
372	P41597	139	LLTIDR <del>Y</del> LAIVHA
373	P41743	265	VIGRGS <del>Y</del> AKVLLV
374	P41743	280	KKTDRI <del>Y</del> AMKVVK
375	P41743	334	LFFVIE <del>Y</del> VNGGDL
376	P42229	694	AKAVDG <del>Y</del> VKPQIK
377	P42680	206	LERGQE <del>Y</del> LILEKN
378	P42680	228	KYGN <del>E</del> <del>Y</del> GIPSNYV
379	P42680	519	YVLDDQ <del>Y</del> TSSSGA
380	P42684	116	NLFVAL <del>Y</del> DFVASG
381	P42684	161	GWVPSN <del>Y</del> ITPVNS
382	P42684	174	LEKHSW <del>Y</del> HGPVSR
383	P42684	185	SRSAAE <del>Y</del> LLSSLI
384	P42684	218	RYEGRV <del>Y</del> HYRINT
385	P42684	231	TADGKV <del>Y</del> VTAESR
386	P42684	261	LVTTLH <del>Y</del> PAPKCN
387	P42684	272	CNKPTV <del>Y</del> GVSPIH
388	P42684	299	KLGGGQ <del>Y</del> GEVYVG
389	P42684	303	GQYGEV <del>Y</del> VG VWKK
390	P42684	310	VG VWKK <del>Y</del> SLTVAV



391	P42684	439	LMTGDTYTAHAGA
392	P42684	515	GCPPKVYELMRAC
393	P42684	568	SSSVVPYLPRLPI
394	P42684	683	NQPHKKYELTGNF
395	P42684	718	LVPPKCYGGSFAQ
396	P42768	291	ETSKLIYDFIEDQ
397	P43351	104	LNNGKFYVGVCAC
398	P43403	248	KADGLIYCLKEAC
399	P43403	292	TLNSDGYTPEPAR
400	P43403	315	PMDTSVYESPYSD
401	P43403	319	SVYESPYSDPEEL
402	P43403	492	LGADDSYYTARSA
403	P43403	493	GADDSYYTARSAG
404	P43405	28	REEAEDYLVQGGM
405	P43405	47	LRQSRNYLGGFAL
406	P43405	131	ENLIREYVKQTWN
407	P43405	296	ISRIKSYSFPKPG
408	P43405	323	TVSFNPYEPELAP
409	P43405	348	PMDTEVYESPYAD
410	P43405	352	EVYESPYADPEEI
411	P43405	364	IRPKEVYLDKLL
412	P43405	484	VSMGMKYLEESNF
413	P43405	507	LLVTQHYAKISDF
414	P43405	525	LRADENYYKAQTH
415	P43405	526	RADENYYKAQTHG
416	P43405	546	APECINYYKFSSK
417	P43405	629	ELRLRNYYYDVVN
418	P43405	630	LRLRNYYYDVVNN
419	P43405	631	RLRNYYYYDVVNNN
420	P46108	221	GPEPGPYAQPSVN
421	P46108	239	LQNGPIYARVIQK
422	P46527	74	KPLEGKYEWQVEE
423	P46527	88	GSLPEFYRPPRP
424	P46527	89	SLPEFYRPPRPP
425	P46937	407	GLSMSSYSVP RTP
426	P48551	337	RTSGGGYTMHGLT
427	P48551	512	VDLGDGYIMRRRR
428	P49023	31	LSEETPYSYPTGN
429	P49023	88	QSSSPVYGSSAKT
430	P49023	118	GEEEHVYSFPNKQ
431	P49023	181	GALSPLYGVPETN
432	P49789	114	HRNDSIYEELQKH
433	P49789	145	AAALRVYFQQQQQ
434	P49841	216	GEPNVSYICSRYY
435	P51636	19	FMDDDSYSHHSGL
436	P51636	27	HHSGLYADPEKF
437	P51813	216	STSLAQYDSNSKK
438	P51813	224	SNSKKIYGSQPNF
439	P51813	566	YVLDDQYVSSVGT
440	P52333	785	SLISSDYELLSDP
441	P52333	904	LRLVMEYLP SGCL
442	P52333	939	ICKGMEYLGSRRC
443	P52333	980	LPLDKDYV VREP
444	P52333	981	PLDKDYV VREPG
445	P52630	690	LQERRKY LKHRLI
446	P52735	142	ENDDDVYRSLEEL
447	P52735	159	DLGEDIYDCVPCE
448	P52735	172	DGGDDIYEDIKVV



449	P53779	223	SFMMPYVTRY
450	P54753	614	YIDPFTYEDPNEA
451	P55211	153	GNADLAYILSMEP
452	P55263	77	KKFKVEYHAGGST
453	P56945	128	KAQQGLYQVPGPS
454	P56945	249	PGPQDIYDVPPVR
455	P56945	362	PPAEDVYDVPPPA
456	P56945	372	PPAPDLYDVPPGL
457	P56945	410	VVDSGVYAVPPPA
458	P59665	85	RYGTCIYQGRLLWA
459	P60484	336	KDKANRYFSPNFK
460	P60953	64	TAGQEDYDRLRPL
461	P63010	737	HRQGHIMEMNFT
462	P63244	52	TRDETNYGIPQRA
463	P63244	228	NEGKHLYTLDGGD
464	P78347	248	ESEDPDYQYNIQ
465	P78347	318	TIEDDDYSPPSKR
466	P78347	398	SHVEDLYVEGLPE
467	P78347	503	AHPNDLYVEGLPE
468	Q02763	860	IKRMKEYASKDDH
469	Q02763	992	SRGQEVYVKKTMG
470	Q02763	1102	LEERKTYVNTTLY
471	Q02763	1108	YVNTTLYEKFTYA
472	Q03135	6	MMSGGKYVDSEGH
473	Q03135	14	DSEGLHYTVPIRE
474	Q03135	25	REQGNIYKPNNKA
475	Q04759	90	ETTVELYSLAERC
476	Q04912	1238	DILDREYYSVQQH
477	Q04912	1239	ILDREYYSVQQHR
478	Q04912	1353	ALLGDHYVQLPAT
479	Q04912	1360	VQLPATYMNLGPS
480	Q05086	659	DSHPVLYQSLKDL
481	Q05397	5	MMMAAAYLDPNLN
482	Q05397	397	VSETDDYAEIIDE
483	Q05397	407	IDEEDTYTMPSTR
484	Q05397	570	DFGLSRYMEDSTY
485	Q05397	576	YMEDSTYKASKG
486	Q05397	577	MEDSTYKASKGK
487	Q05397	861	IGNQHIYQPVGKP
488	Q05397	925	RSNDKVYENVTGL
489	Q05655	64	TFDAHIYEGRVIQ
490	Q05655	155	KQAKIHYIKNHEF
491	Q05655	313	SEPVGIYQGFEKK
492	Q05655	334	QDNSGTYGKIWEG
493	Q05655	374	LKGRGEYFAIKAL
494	Q05655	567	RVDTPHYPRWITK
495	Q06187	40	VHKLSYHEYDFER
496	Q06187	223	KKVVALYDYMPMN
497	Q06187	344	STPQSQYLAEKH
498	Q06187	361	IPELINYHQHNSA
499	Q06187	551	YVLDDETSSVGS
500	Q06187	617	AQGLRLYRPHLAS
501	Q06609	54	TVEAVAYAPKKEL
502	Q07666	435	RPVKGAYREHPYG
503	Q07666	440	AYREHPYGRYYYY
504	Q07666	443	EHPYGRYYYYYYY
505	Q07912	284	PQNDHYVMQEHR
506	Q07912	518	GVKKPTYDPVSED

507	Q07912	827	FASDPK <b>Y</b> ATPQVI
508	Q07912	859	KVSSTH <b>Y</b> YLLPER
509	Q07912	872	PSYLER <b>Y</b> QRFLRE
510	Q07954	4507	NFTNPV <b>Y</b> ATLYMG
511	Q08345	484	PREPPP <b>Y</b> QEPRPR
512	Q08345	513	LLSNPA <b>Y</b> RLLLAT
513	Q08345	520	RLLLAT <b>Y</b> ARPPRG
514	Q08345	740	QGPTIS <b>Y</b> PMLLHV
515	Q08345	792	GMSRNL <b>Y</b> AGDYR
516	Q08345	796	NLYAGD <b>Y</b> YRVQGR
517	Q08345	797	LYAGDY <b>Y</b> RVQGRA
518	Q12866	749	GLSKKI <b>Y</b> SGDYR
519	Q12866	753	KIYSGD <b>Y</b> YRQGRI
520	Q12866	754	IYSGDY <b>Y</b> RQGRIA
521	Q12866	872	NQADVI <b>Y</b> VNTQLL
522	Q12972	264	AFSGGL <b>Y</b> GGLPPT
523	Q12972	335	EPKKKK <b>Y</b> AKEAWP
524	Q13153	131	LDVLEF <b>Y</b> NSKKTS
525	Q13153	142	TSNSQK <b>Y</b> MSFTDK
526	Q13153	153	DKSAED <b>Y</b> NSSNAL
527	Q13153	201	EHTKSV <b>Y</b> TRSVIE
528	Q13153	285	GASGTV <b>Y</b> TAMDVA
529	Q13191	363	QEYEL <b>Y</b> CEMGST
530	Q13191	665	HLGSEE <b>Y</b> DVPPRL
531	Q13191	709	EEDDDE <b>Y</b> KIPSSH
532	Q13191	889	NRTSQD <b>Y</b> DQLPSC
533	Q13322	67	ASLESL <b>Y</b> SACSMQ
534	Q13444	715	VMLGAS <b>Y</b> WYRARL
535	Q13444	735	KGPTCQ <b>Y</b> RAAQSG
536	Q13627	111	KHINEV <b>Y</b> YAKKKR
537	Q13627	140	KVYNDG <b>Y</b> DDDNVD
538	Q13627	145	GYDDDN <b>Y</b> DYIVKN
539	Q13627	159	EKWMDR <b>Y</b> EIDSLI
540	Q13627	177	GQVVK <b>Y</b> DRVEQE
541	Q13627	219	HDTEMK <b>Y</b> YIVHLK
542	Q13627	319	QLGQRI <b>Y</b> QYIQR
543	Q13627	321	GQRIYQ <b>Y</b> IQRFY
544	Q13627	449	GHTVAD <b>Y</b> LKFKDL
545	Q13671	36	PAQDPL <b>Y</b> DVPNAS
546	Q13769	225	IEVKKE <b>Y</b> LSSLQP
547	Q13882	13	AHLGPK <b>Y</b> VGLWDF
548	Q13882	61	GAVAQ <b>Y</b> VPHNYL
549	Q13882	66	GYVPHN <b>Y</b> LAERET
550	Q13882	114	EKPSAD <b>Y</b> VLSVRD
551	Q13882	342	LIKEDV <b>Y</b> LSDHN
552	Q13882	351	HDHNIP <b>Y</b> KWTAPE
553	Q13882	447	LSSFTS <b>Y</b> ENPTTT
554	Q13905	504	PIPSVP <b>Y</b> APFAAI
555	Q14118	892	YRSPPP <b>Y</b> VPPPPP
556	Q14247	421	LPSSPV <b>Y</b> EDAASF
557	Q14247	446	TEPEPV <b>Y</b> SMEAAD
558	Q14247	453	SMEAAD <b>Y</b> REASSQ
559	Q14247	470	YATEAV <b>Y</b> ESAEAP
560	Q14247	486	PAEDST <b>Y</b> DEYEND
561	Q14247	489	DSTYDE <b>Y</b> ENDLGI
562	Q14289	402	SIESDI <b>Y</b> AEIPDE
563	Q14289	579	YIEDED <b>Y</b> YKASVT
564	Q14289	580	IEDED <b>Y</b> YKASVTR

565	Q14289	722	KPSRPKYRPPQQT
566	Q14289	819	KQMVEDYQWLRQE
567	Q14289	834	SLDPMVYMNDKSP
568	Q14289	849	PEKEVGYLEFTGP
569	Q14289	881	RTDDLVLNVLMEL
570	Q14527	195	GRAGPSYSMPVHA
571	Q14680	163	PKGKNDYHLQTCC
572	Q14680	367	TASDKNYVAGLID
573	Q15025	552	GAYPYAYPPMPAM
574	Q15118	136	EDAKAIYDFTDTV
575	Q15118	243	RRLCDLYYINSPE
576	Q15118	244	RLCDLYYINSPEL
577	Q15139	95	FPECGFYGMYSKI
578	Q15139	432	EGWMVHYTSKDTL
579	Q15139	463	DTGSRYYKEIPLS
580	Q15139	502	TANVVYYVGENVV
581	Q15303	875	EGDEKEYNADGGK
582	Q15303	1035	NIPPIYTSRARI
583	Q15303	1056	HSPPPAYTPMSGN
584	Q15303	1150	ELDEEGYMTPMRD
585	Q15303	1162	DKPKQYLNPFVEE
586	Q15303	1188	ALDNPEYHNASNG
587	Q15303	1202	PKAEDEYVNEPLY
588	Q15303	1242	AFDNPDYWNHSLP
589	Q15303	1258	TLQHPDYLQEYST
590	Q15303	1284	VAENPEYLSEFSL
591	Q15654	55	LPSEQCYQAPGGP
592	Q15746	231	QDDVGVYTCLVVN
593	Q15746	464	EGSIEVYEDAGSH
594	Q15746	471	EDAGSHYLCLLKA
595	Q15746	556	NGQPIQYARSTCE
596	Q15746	611	SSRKSEYLLPVAP
597	Q15746	792	PWHAGQYEILLKN
598	Q15746	846	GGGSDRYGSLRPG
599	Q15746	1449	KEPEVDYRTVTIN
600	Q15746	1575	ISEGVEYIHKQGI
601	Q15746	1635	APEVINYEPIGYA
602	Q16625	368	DFRQPRYSSGGNF
603	Q16625	398	RTEQDHYETDYTT
604	Q16625	402	DHYETDYTTGGES
605	Q16790	449	TKGGVSYRPAEVA
606	Q16832	471	QGSNSTYDRIFPL
607	Q16832	736	GMSRNLYSGDYYR
608	Q16832	740	NLYSGDYRIQGR
609	Q16832	741	LYSGDYRIQGRA
610	Q2HXU8	7	MSEEVTYATLTFQ
611	Q5KSL6	78	ESATELYTEPTPE
612	Q5SQ64	281	KPEIQVYENIHLA
613	Q5VY43	925	LSSENPYATIRDL
614	Q6DN72	371	KDEGVVYSVVHRT
615	Q6GTx8	251	SSQEVTYAQLDHW
616	Q6GTx8	281	MAESITYAAVARH
617	Q6PCB0	83	HVGSRPYTEFPFG
618	Q6S5L8	424	SKCSSVYENCLEQ
619	Q6ZUJ8	263	ETVISYTDMEEI
620	Q6ZUJ8	419	EEADAVYESMAHL
621	Q6ZUJ8	444	GCDEDLYESMAAF
622	Q6ZUJ8	459	AATEDLYVEMLQA

623	Q6ZUJ8	513	GQEEDVYHTVDDD
624	Q6ZUJ8	553	LPDNEPYIFKVFA
625	Q6ZUJ8	570	ERPGNFYVSSESI
626	Q6ZUJ8	594	RPQSSIYDPFAGM
627	Q6ZUJ8	694	KVEFGVYESGPRK
628	Q70E73	426	LRASGIYVVPK GK
629	Q70E73	456	VYYGQDYRNKYKA
630	Q70E73	1226	GSHISGYATLRRG
631	Q8IVP5	18	ESDDDSYEVLDLT
632	Q8IYA6	204	KPDPKLYTRSKPK
633	Q8IZP0	53	LEETKAYTTQSLA
634	Q8IZP0	213	PTVPNDYMTSPAR
635	Q8IZP0	455	EKVVAIYDYTKDK
636	Q8TD08	177	DQAVTEYVATRWY
637	Q8WV28	72	DDFDSDYENPDEH
638	Q8WV28	84	HSDSEMYVMPAEE
639	Q8WV28	96	ENADDSYEPPPVE
640	Q8WV28	178	LEDEADYVVPVED
641	Q8WV28	189	EDNDENYIHPTES
642	Q92556	18	IEWPGAYPKLMEI
643	Q92556	216	LNSHDLYQKVAQE
644	Q92556	395	KHHQDAYIRIVLE
645	Q92556	511	KLQNLSYTEILKI
646	Q92556	720	PKEPSNYDFVYDC
647	Q92630	382	HQRVYTYIQSRFY
648	Q92783	198	TTLSTLYPSTSSL
649	Q92783	381	MNEDPMYSMYAKL
650	Q92783	384	DPMYSMYAKLQNQ
651	Q92888	738	DQEAQIYELVAQT
652	Q96BD6	31	ELQGLDYCKPTL
653	Q96EY5	204	RRNDSIYEASSLY
654	Q96G74	175	EEVGAGYNSEDEY
655	Q96J02	420	FNQRFIYGNQDLF
656	Q96LC7	667	SQEELHYATLNFP
657	Q96T51	389	KVELETYKQTRQG
658	Q96T51	400	QGLDEMYSDVWKQ
659	Q99572	343	IGSTLSYFGLAAV
660	Q99638	28	RIGDELYLEPLED
661	Q99665	800	LPTHDGYLPSNID
662	Q99683	718	PERDSRYSQPLHE
663	Q99704	296	DSPPALYAEPLDS
664	Q99704	337	QRKKPLYWDLYEH
665	Q99704	341	PLYWDLYEHAQQQ
666	Q99704	362	PKEDPIYDEPEGL
667	Q99704	377	VPPQGLYDLPREP
668	Q99704	398	RVKEEGYELPYNP
669	Q99704	409	NPATDDYAVPPPR
670	Q99704	449	SHNSALYSQVQKS
671	Q9BZL6	438	NTTNRYYKEIPLS
672	Q9BZL6	717	VVGTPAYLAPEVL
673	Q9GZY6	58	FTGSRTYSLVGQA
674	Q9GZY6	136	DDDANSYENVLIC
675	Q9GZY6	193	DEESEDYQNSASI
676	Q9GZY6	233	EDGEPDYVNGEVA
677	Q9H1A4	571	KLHDSLYNEDCTF
678	Q9H2W2	20	GAAFPAYRAPHAG
679	Q9H3Y6	380	LLKDDIYSPSSSS
680	Q9H400	167	SPVVAEYARVQKR

681	Q9H400	200	AQVDVL <del>Y</del> SRVCKP
682	Q9H400	254	GPLENV <del>Y</del> ESIREL
683	Q9H5V8	734	DNDSHV <del>Y</del> AVIEDT
684	Q9H706	105	IKEPVQ <del>Y</del> FNSVEE
685	Q9H706	453	GKSELP <del>Y</del> EELWLE
686	Q9NR20	264	HQKVYT <del>Y</del> IQSRFY
687	Q9NRY4	308	SPEYQD <del>Y</del> VYLEGT
688	Q9NRY4	1087	GFDPSD <del>Y</del> AEPMDA
689	Q9NRY4	1105	NEEENI <del>Y</del> SVPHDS
690	Q9NV92	151	DSSPPP <del>Y</del> SSITVE
691	Q9NV92	167	TSDTEV <del>Y</del> GEFYPV
692	Q9NV92	171	EVYGEF <del>Y</del> PVPPPY
693	Q9NV92	177	YPVPPP <del>Y</del> SVATSL
694	Q9NWQ8	105	LTCMQH <del>Y</del> EEVQTS
695	Q9NWQ8	163	LGMEGP <del>Y</del> EVLKDS
696	Q9NWQ8	181	MVEDCL <del>Y</del> ETVKEI
697	Q9NWQ8	227	KAEFAE <del>Y</del> ASVDRN
698	Q9NWQ8	317	EEISAM <del>Y</del> SSVNKP
699	Q9NWQ8	359	SSCNDL <del>Y</del> ATVKDF
700	Q9NWQ8	387	EEPEPD <del>Y</del> EAIQTL
701	Q9NWQ8	417	VPKEND <del>Y</del> ESISDL
702	Q9NZC7	33	TKDGWV <del>Y</del> YANHTE
703	Q9NZC7	287	SPTKND <del>Y</del> WAMLAY
704	Q9NZJ5	619	KVDDCN <del>Y</del> AIKRIR
705	Q9P126	7	MQDEDG <del>Y</del> ITLNIK
706	Q9UBK5	86	QEDGKV <del>Y</del> INMPGR
707	Q9UBN4	959	EDSSID <del>Y</del> DLNLPD
708	Q9UBN4	972	TVTHED <del>Y</del> VTTRLL
709	Q9UBR4	227	RQRWGQ <del>Y</del> FRNMKR
710	Q9UGK3	22	VLPSHY <del>Y</del> ESFLEK
711	Q9UGK3	250	FLLDED <del>Y</del> EKVLGY
712	Q9UGK3	310	PNQEEN <del>Y</del> VTPIGD
713	Q9UGK3	322	DGPAVD <del>Y</del> ENQDVA
714	Q9UHP3	740	AAGDPE <del>Y</del> LEQPSR
715	Q9UIB8	296	PAESRI <del>Y</del> DEILQS
716	Q9UIB8	316	EPVNTV <del>Y</del> SEVQFA
717	Q9UJ70	205	GILTHL <del>Y</del> RDFDKC
718	Q9UJX2	273	SQIAVA <del>Y</del> HNIRDI
719	Q9UJX5	469	YNRKGK <del>Y</del> FNVERV
720	Q9ULV8	341	EEQLQL <del>Y</del> WAMDST
721	Q9UM73	1078	ELQSPE <del>Y</del> KLSKLR
722	Q9UM73	1092	STIMTD <del>Y</del> NPNYCF
723	Q9UM73	1096	TDYNPN <del>Y</del> CFAGKT
724	Q9UM73	1131	GAFGEV <del>Y</del> EGQVSG
725	Q9UM73	1278	GMARDI <del>Y</del> RASYR
726	Q9UM73	1507	SLWNPT <del>Y</del> GSWFTE
727	Q9UM73	1604	APGAGH <del>Y</del> EDTILK
728	Q9UPY6	151	KDGLKF <del>Y</del> TDPSYF
729	Q9UPY6	248	ASDVTD <del>Y</del> SYPATP
730	Q9UPY6	337	PAQIIE <del>Y</del> YNPSGP
731	Q9UPY6	486	RRIAVE <del>Y</del> SDSDDD
732	Q9UPZ9	159	KPPYTD <del>Y</del> VSTRWY
733	Q9UQC2	266	EFRDST <del>Y</del> DLPRSL
734	Q9UQC2	293	TDNEDV <del>Y</del> TFKTPS
735	Q9UQC2	452	TNSEDN <del>Y</del> VPMNPG
736	Q9Y3P8	90	VEEVPL <del>Y</del> GNLHYL
737	Q9Y3P8	127	AEEVMC <del>Y</del> TSLQLR
738	Q9Y3P8	148	PGTPVK <del>Y</del> SEVVLD

739	Q9Y3P8	169	GPEPEL <b>Y</b> ASVCAQ
740	Q9Y3P8	188	SFPDQA <b>Y</b> ANSQPA
741	Q9Y6N7	1038	LPESTV <b>Y</b> GDVDLS
742	Q9Y6N7	1073	SGQPTP <b>Y</b> ATTQLI
743	Q9Y6N7	1114	EVAPVQ <b>Y</b> NIVEQN

(2) List of the 8,061 peptide samples in the negative subset  $S_{\xi=6}^-(Y)$

Sample #	Protein ID	Site	Sequences
1	A6ND36	119	PLPSLE <b>Y</b> WPQKSD
2	A6ND36	587	EEDDD <b>Y</b> VTLSAQ
3	A6ND36	619	SSVSEE <b>Y</b> FEVREH
4	A6NHR9	53	VGERSD <b>Y</b> AGFRAC
5	A6NHR9	218	ESDHSG <b>Y</b> VRPVPV
6	A6NHR9	1179	IIITDQ <b>Y</b> GNQIQ
7	A8K4G0	38	LTVQCH <b>Y</b> KQGWET
8	A8K4G0	45	KQGWET <b>Y</b> IKWWCR
9	A8K4G0	102	RDDADV <b>Y</b> WCGIER
10	A8K4G0	151	SHKRNH <b>Y</b> MLLVFV
11	O00151	102	EGKRHP <b>Y</b> KMNLAS
12	O00151	151	NNPAGL <b>Y</b> SSENIS
13	O00151	321	VTPPEG <b>Y</b> EVVTVF
14	O00159	553	YAGEVT <b>Y</b> SVTGFL
15	O00159	648	IRHQVK <b>Y</b> LGLLEN
16	O00159	859	KNMVWK <b>Y</b> CRSISP
17	O00161	99	FESGKA <b>Y</b> KTTWGD
18	O00161	139	GAASGG <b>Y</b> IKRITN
19	O00165	132	RDSMLK <b>Y</b> PDASHQ
20	O00165	207	QPQPKS <b>Y</b> FKSISV
21	O00168	31	EHDFT <b>Y</b> DYQSLQ
22	O00168	33	DPFTYD <b>Y</b> QSLQIG
23	O00194	27	GKTTFL <b>Y</b> RYTDNK
24	O00194	122	QLQAN <b>Y</b> CENPDI
25	O00194	159	DKYGIP <b>Y</b> FETSAA
26	O00204	16	PGLWDT <b>Y</b> EDDISE
27	O00204	68	DIFIIT <b>Y</b> PKSGTT
28	O00204	157	DVVVSL <b>Y</b> HYSKIA
29	O00213	117	KGLIHL <b>Y</b> SELELS
30	O00213	234	SQGSPS <b>Y</b> GSPEDT
31	O00213	269	QDTSGT <b>Y</b> YWHIPT
32	O00213	270	DTSGTY <b>Y</b> WHIPTG
33	O00213	403	CIRQLS <b>Y</b> HKNNLH
34	O00213	467	RERDF <b>Y</b> VARDKL
35	O00213	546	VQKFQV <b>Y</b> YLGPNP
36	O00213	658	AACMLR <b>Y</b> QKCLDA
37	O00231	177	LLESKT <b>Y</b> HALSNL
38	O00231	309	EKALTD <b>Y</b> RAELRD
39	O00231	327	THLAKL <b>Y</b> DNLLEQ
40	O00232	75	AVVKMC <b>Y</b> EAKEWD
41	O00232	111	VQQCCT <b>Y</b> VEEITD
42	O00232	247	LSICKH <b>Y</b> RAIYDT
43	O00257	69	QEQLMG <b>Y</b> RKRGPK
44	O00257	150	PGKSGK <b>Y</b> YYQLNS
45	O00257	169	QPDPKM <b>Y</b> DLQYQG
46	O00264	113	YGPEG <b>Y</b> GVFAGR
47	O00264	164	SQFTFK <b>Y</b> HHVGKL

48	000264	180	GEEPTV <b>Y</b> SDEEEP
49	000267	836	SRAEEE <b>Y</b> EYAFDD
50	000267	921	APSPAG <b>Y</b> QNTHSP
51	000267	992	VKVRDT <b>Y</b> LDTQVV
52	000273	27	CLLRN <b>Y</b> SREQHG
53	000273	75	IVDDDD <b>Y</b> FLCLPS
54	000273	195	KQLLQL <b>Y</b> LQALEK
55	000303	106	ASIVDS <b>Y</b> ERRNEG
56	000303	190	VLIHEY <b>Y</b> SREAPN
57	000303	289	LSTVLQ <b>Y</b> AEDVLS
58	000330	16	DPRLLR <b>Y</b> LVGFPG
59	000330	255	ATAGPS <b>Y</b> PRPVIP
60	000330	410	KLLPEE <b>Y</b> QGSFS
61	000391	198	FEKGGS <b>Y</b> LGREVA
62	000391	300	ADRSKI <b>Y</b> MADLES
63	000391	340	VAVLAK <b>Y</b> FPGRPL
64	000399	66	ALIIN <b>Y</b> PDNITP
65	000399	112	VIESKA <b>Y</b> VGRNVI
66	000399	144	PENTVI <b>Y</b> GADCLR
67	000401	49	SAVVQL <b>Y</b> AADRNC
68	000401	76	DNPQRS <b>Y</b> FLRIFD
69	000401	95	LWEQEL <b>Y</b> NNFVYN
70	000401	100	LYNNFV <b>Y</b> NSPRGY
71	000401	106	YNSPRG <b>Y</b> FHTFAG
72	000401	175	ITTNRF <b>Y</b> GPQVNN
73	000401	343	PPPNRM <b>Y</b> PPPPPA
74	000410	417	PHPRVR <b>Y</b> AACNAV
75	000410	714	VPLLKF <b>Y</b> FHDGVR
76	000410	837	EDDNDV <b>Y</b> ILTKVS
77	000418	59	NSKVNK <b>Y</b> YSNLTK
78	000418	69	LTKSER <b>Y</b> SSSGSP
79	000418	443	NSGDSG <b>Y</b> PSEKRG
80	000429	344	TKFATE <b>Y</b> CNTIEG
81	000429	368	GGARIC <b>Y</b> IFHETF
82	000429	691	ELVGQL <b>Y</b> KSSLLD
83	000443	152	LPGPST <b>Y</b> ALPSIY
84	000443	987	ALKYEI <b>Y</b> LNSSLV
85	000443	1320	DLCCQA <b>Y</b> NLIRKQ
86	000459	9	GPEGFQ <b>Y</b> RALYPF
87	000459	13	FQYRAL <b>Y</b> PFRRER
88	000459	74	GDFPGT <b>Y</b> VEFLGP
89	000459	146	LDSESH <b>Y</b> RPELPA
90	000459	331	LQDAEW <b>Y</b> WGDISR
91	000459	365	SKIQGE <b>Y</b> TLTLRK
92	000459	387	FHRDGH <b>Y</b> GFSEPL
93	000459	405	VDLINH <b>Y</b> RHESLA
94	000459	413	HESLAQ <b>Y</b> NAKLDT
95	000459	423	LDTRLL <b>Y</b> PVSKYQ
96	000459	428	LYPVSK <b>Y</b> QQDQIV
97	000459	449	GAQLKV <b>Y</b> HQQYQD
98	000459	453	KVYHQQ <b>Y</b> QDKSRE
99	000459	460	QDKSRE <b>Y</b> DQLYEE
100	000459	467	DQLYEE <b>Y</b> TRTSQE
101	000459	505	EKCSKE <b>Y</b> LERFRR
102	000459	577	RKIRDQ <b>Y</b> LVWLTQ
103	000459	623	HEERTW <b>Y</b> VGKINR
104	000459	671	TKHCVI <b>Y</b> RTATGF
105	000459	683	FGFAEP <b>Y</b> NLYGSL



106	000459	686	AEPYNLYGSLKEL
107	000459	696	KELVLHYQHASLV
108	000560	46	PHDGNLYPRLYPE
109	000560	56	YPELSQYMGLSLN
110	000560	91	RPSSINYMVAPVT
111	000562	17	PMSLDEYQVAQLY
112	000562	528	ATSSSRYQGAVAT
113	000562	843	RIDYSLYCPEALT
114	000571	38	TASKGRYIPPHLR
115	000571	283	ELAVQIYEEARKF
116	000571	580	MAYEHHYKGSSRG
117	000622	102	EGRPCEYNSRIYQ
118	000622	221	MEPRILYNPLQGQ
119	000622	370	EAAFPFYRLFNDI
120	000763	1296	MASLEVYVRRGYI
121	000763	2135	WFPDSAYKTAQAV
122	000763	2168	GGMKDMYDQVLKF
123	014492	52	LRDNPAYDTPDAG
124	014492	112	ALKAAPYGHSSRS
125	014492	284	VENGAEYILETID
126	014492	415	ELELSDYPWFHGT
127	014492	454	ETRPGEYVLTFNF
128	014492	514	DITLRSYVRAQDP
129	014492	546	DSPGQHYFSSSLAA
130	014493	67	QMCKVYDSLLAL
131	014493	148	NIIQDFYNPLVAS
132	014493	165	EMGASLYVGWAAS
133	014493	193	PRTDKPYSAKYSA
134	014493	197	KPYSAKYSAARSA
135	014519	42	RQLLSDYGPPSLG
136	014519	49	GPPSLGYTQGTGN
137	014519	81	KEIRPTYAGSKSA
138	014607	137	YGLGLVYFYNAF
139	014607	265	KATKESYAIQYLQ
140	014607	1148	PNLEDLYEANVPV
141	014625	52	EKASIMYPSNNCD
142	014653	75	RVDQLKYDVQHLQ
143	014653	191	RAFQDKYFMIGGM
144	014654	84	EVCKRGYLRKQKH
145	014654	95	KHGHRRYFVLKLE
146	014654	111	APARLEYENARK
147	014654	112	PARLEYENARKF
148	014654	151	RRVITLYQCFSVS
149	014654	164	QRADARYRHLIAL
150	014654	176	LFTQDEYFAMVAE
151	014654	191	SEQESWYLLLSRL
152	014654	231	AAEPPFYKDVWQV
153	014654	291	CGHSEQYFFLEV
154	014654	343	RARCRSYISISGA
155	014654	487	EGSGDYMPMNNW
156	014654	615	SLKKRSYFGKLTQ
157	014654	656	GGRFRLYFCVDRG
158	014654	700	EDEDDPYVPMRPG
159	014654	743	FEDSRGYMMMFPR
160	014654	779	NDSESDYMFMAPG
161	014654	828	QNDNSEYVPMLPG
162	014654	847	LDKEVSYNWDPKD
163	014654	899	SFITKGYKIKPKP

164	O14654	959	QSAFSN <b>Y</b> VNVEFG
165	O14654	1016	IEEEGD <b>Y</b> IEVIFN
166	O14654	1038	ADSAIR <b>Y</b> DAETGR
167	O14654	1046	AETGRI <b>Y</b> VVDPFS
168	O14672	143	VEPAER <b>Y</b> IKDRTL
169	O14672	163	HEDDIN <b>Y</b> PHKYGP
170	O14672	257	KAIDTI <b>Y</b> QTDFS
171	O14713	91	PLDLIN <b>Y</b> IDVAQQ
172	O14713	117	IMGVSK <b>Y</b> GIKVST
173	O14713	136	LHRHAL <b>Y</b> LIIRMV
174	O14718	53	LGIFIK <b>Y</b> KELRTP
175	O14718	95	GSWKFG <b>Y</b> AGCQVY
176	O14718	166	IIGWAS <b>Y</b> APDPTG
177	O14744	116	ELNFGA <b>Y</b> LGLPAF
178	O14744	179	TTHTEE <b>Y</b> SGEEKT
179	O14744	389	DRRIKL <b>Y</b> AVEKNP
180	O14745	24	EKGPN <b>Y</b> GFLHGH
181	O14745	38	KGKL <b>Y</b> QIRLVEP
182	O14745	164	KKGPS <b>Y</b> GFLHSH
183	O14746	18	SLLRSH <b>Y</b> REVLPL
184	O14746	122	TTSVRS <b>Y</b> LPNTVT
185	O14746	176	VCGPPL <b>Y</b> QLGAAT
186	O14746	325	TPCPP <b>Y</b> AETKHF
187	O14746	333	ETKHFL <b>Y</b> SSGDKE
188	O14746	386	PRLPQR <b>Y</b> WQMRPL
189	O14746	405	NHAQCP <b>Y</b> GVLLKT
190	O14746	462	SSPWQ <b>Y</b> GFVRAC
191	O14746	552	HWLMSV <b>Y</b> VVELLR
192	O14746	562	LLRSFF <b>Y</b> VTETTF
193	O14746	576	KNRLFF <b>Y</b> RKSVWS
194	O14746	638	PIVNMD <b>Y</b> VVGART
195	O14746	667	LFSVLN <b>Y</b> ERARRP
196	O14746	717	VDVTGA <b>Y</b> DTIPQD
197	O14746	739	IKPQNT <b>Y</b> CVRRYA
198	O14746	744	TYCVRR <b>Y</b> AVVQKA
199	O14746	772	LTDLQP <b>Y</b> MRQFVA
200	O14746	825	RIRGKS <b>Y</b> VQCQGI
201	O14746	894	VRGVPE <b>Y</b> GCVVNL
202	O14746	946	LEVQSD <b>Y</b> SSYART
203	O14746	1002	TVCTNI <b>Y</b> KILLLQ
204	O14746	1010	ILLLQA <b>Y</b> RFHACV
205	O14746	1044	DTASLC <b>Y</b> SILKAK
206	O14746	1089	TRHRVT <b>Y</b> VPLLGS
207	O14757	20	TLGEG <b>Y</b> GEVQLA
208	O14757	218	SDSCQ <b>Y</b> SDWKEK
209	O14757	390	LDADKS <b>Y</b> QCLKET
210	O14777	228	NKLFLD <b>Y</b> TIKCYE
211	O14777	435	AENSK <b>Y</b> DFEIKF
212	O14777	453	ANCLVK <b>Y</b> RAQVYV
213	O14791	273	SLAGNT <b>Y</b> QLTRGI
214	O14791	351	LVLDV <b>Y</b> LVYESK
215	O14791	354	DVVYL <b>Y</b> ESKHLH
216	O14818	21	HLFQVE <b>Y</b> AQEAVK
217	O14818	106	DPVTVE <b>Y</b> ITRYIA
218	O14818	110	VEYITR <b>Y</b> IASLKQ
219	O14818	118	ASLKQR <b>Y</b> TQSNGR
220	O14818	145	DGTPRL <b>Y</b> QTDPSG
221	O14818	176	EFLEKN <b>Y</b> TDEAIE

222	014818	228	PEEIEK <b>Y</b> VAEIEK
223	014827	383	LETFLT <b>Y</b> PMFQIP
224	014827	861	TPRHLR <b>Y</b> RQPGGQ
225	014827	1157	VPYLG <b>MY</b> LTDLAF
226	014920	98	PLLAME <b>Y</b> CQGGDL
227	014920	135	IASALR <b>Y</b> LHENRI
228	014920	571	EQAREL <b>Y</b> RRLREK
229	014936	121	EAVASH <b>Y</b> MRQILE
230	014936	196	VVKREP <b>Y</b> GKPVDV
231	014936	708	GKKKKQ <b>Y</b> KDKYLA
232	014950	69	KNPTDA <b>Y</b> LDAMMN
233	014950	122	GTIQED <b>Y</b> LRELLT
234	014950	156	KKGNFN <b>Y</b> IEFTRI
235	014958	115	DEEGSL <b>Y</b> ILKGDR
236	014958	164	FERIED <b>Y</b> IKLIGF
237	014958	178	KSEDSE <b>Y</b> YKAFEE
238	014965	197	PNILRL <b>Y</b> GYFHDA
239	014965	320	SLGVLC <b>Y</b> EFLVGK
240	014965	338	NTYQET <b>Y</b> KRISRV
241	014974	446	LRKTGS <b>Y</b> GALAEI
242	014974	901	TSAGDR <b>Y</b> DSLLGR
243	014974	920	LEERKP <b>Y</b> SSRLEK
244	014979	252	EEQIKE <b>Y</b> FGAFGE
245	014979	371	YGGDQ <b>NY</b> SGYGGY
246	014979	382	GYDYG <b>Y</b> NYGNYG
247	014994	169	LVRQH <b>Y</b> AYSMALGE
248	014994	199	NSLYSV <b>Y</b> NFCSKP
249	014994	280	VAMAKT <b>Y</b> ATTEAF
250	015055	294	PFRMTP <b>Y</b> LVKVRD
251	015055	407	RARNGE <b>Y</b> ITLDTS
252	015055	529	TKNRSH <b>Y</b> SHESGE
253	015084	50	PLHAA <b>Y</b> YLGD AEI
254	015084	224	MISVVK <b>Y</b> LLDLGV
255	015084	444	GRSPLH <b>Y</b> AAANCN
256	015105	277	TRVGRL <b>Y</b> CVQEPS
257	015105	333	VDGVVW <b>Y</b> NRSSYP
258	015105	407	KGWGQC <b>Y</b> TRQFIS
259	015151	75	QEQH <b>MY</b> YCGGDL
260	015151	99	KDPSPL <b>Y</b> DMLRKN
261	015151	210	GNLRSN <b>Y</b> TPRSNG
262	015160	95	VEKVLV <b>Y</b> NNTSIV
263	015160	124	DPRLF <b>Y</b> ERNQGDE
264	015160	306	ARVRDH <b>Y</b> IFSVES
265	015162	21	TNLPVG <b>Y</b> PPQYPP
266	015162	25	VGYP <b>PQY</b> PPPTAFQ
267	015162	36	FQGP <b>PGY</b> SGYPGP
268	015162	39	PPGYSG <b>Y</b> PGPQVS
269	015162	46	PGPQVS <b>Y</b> PPPPAG
270	015162	101	CPPGLE <b>Y</b> LSQIDQ
271	015162	129	FETNNK <b>Y</b> EIKNSF
272	015162	140	SFGQRV <b>Y</b> FAAEDT
273	015162	205	PGVPIG <b>Y</b> VIQTWH
274	015169	346	VDGIPP <b>Y</b> RIRKQH
275	015169	788	SIVVAY <b>Y</b> FCGEPI
276	015169	822	KKGSYR <b>Y</b> YFKKVS
277	015232	218	ASGIEL <b>Y</b> AVGVDR
278	015232	244	LEEHVF <b>Y</b> VETYGV
279	015232	379	CECYEG <b>Y</b> TLNADK

280	015240	335	SDLLLO <b>Y</b> LLQGGA
281	015240	538	REEDEV <b>Y</b> PPGPYH
282	015240	566	ALRRRH <b>Y</b> HHALPP
283	015259	78	SAPVAN <b>Y</b> NQRKEE
284	015259	157	WSTGEE <b>Y</b> IAVGDF
285	015259	206	GLVPRT <b>Y</b> LEPYSE
286	015259	210	RTYLEP <b>Y</b> SEEEEG
287	015259	271	NHVSFC <b>Y</b> LIVLMR
288	015259	475	FELGIS <b>Y</b> IRNSTG
289	015259	508	PIPAKT <b>Y</b> ELFLNG
290	015259	518	LNGGTP <b>Y</b> EKGIEV
291	015259	538	AHGSVF <b>Y</b> QIMTMR
292	015259	584	IHLLIF <b>Y</b> RQILGD
293	015259	656	STFLLV <b>Y</b> HDCVLP
294	015264	10	IRKKGF <b>Y</b> KQDVNK
295	015264	25	WELPKT <b>Y</b> VSPTHV
296	015264	36	HVGSGA <b>Y</b> GSVCSA
297	015264	70	IFAKRA <b>Y</b> RELLLL
298	015264	101	SSLRNF <b>Y</b> DFYLMV
299	015264	104	RNFYDF <b>Y</b> LVMPFM
300	015264	129	SEEKIQ <b>Y</b> LVYQML
301	015264	132	KIQYL <b>Y</b> QMLKGL
302	015264	140	MLKGLK <b>Y</b> IHSAGV
303	015264	188	YVVTRW <b>Y</b> RAPEVI
304	015264	200	ILSWMH <b>Y</b> NQTVDI
305	015264	228	LFKGKD <b>Y</b> LDQLTQ
306	015264	258	DKAAKS <b>Y</b> IQSLPQ
307	015264	343	EWKQHI <b>Y</b> KEIVNF
308	015269	18	EMVQAL <b>Y</b> EAPAYH
309	015269	23	LYEAP <b>Y</b> HLILEG
310	015269	44	LLFSKT <b>Y</b> KLQERS
311	015269	82	DHPALN <b>Y</b> NIVSGP
312	015269	128	LASLKK <b>Y</b> GVGTCG
313	015269	139	CGPRGF <b>Y</b> GTFDVH
314	015269	166	EAIIS <b>Y</b> GFATIA
315	015269	178	ASAI <b>Y</b> PAYSKRGDI
316	015269	248	IVVEGL <b>Y</b> MNTGTI
317	015269	265	ELVKLK <b>Y</b> KYKARI
318	015269	267	VKLKY <b>Y</b> KARIFL
319	015269	293	RGVTEH <b>Y</b> GINIDD
320	015269	335	RLSGQG <b>Y</b> CFASASL
321	015269	431	ALTQAR <b>Y</b> LEKEEK
322	015287	249	PVLVQV <b>Y</b> TALGSC
323	015287	268	PQRALL <b>Y</b> LVAALK
324	015287	367	GDAAEH <b>Y</b> LDLLAL
325	015294	282	DLAIDT <b>Y</b> RRRAIEL
326	015294	452	PEAIAS <b>Y</b> RTALKL
327	015294	676	GALFMD <b>Y</b> IITDQE
328	015304	53	FLGAQA <b>Y</b> LDHVWD
329	015304	162	VDCSDM <b>Y</b> EKVLCT
330	015350	85	AASASP <b>Y</b> TPEHAA
331	015350	121	IPSNTD <b>Y</b> PGPHHF
332	015350	144	KSATWT <b>Y</b> SPLLKK
333	015350	152	PLLKKL <b>Y</b> CQIAKT
334	015350	181	IRAMPV <b>Y</b> KKAHV
335	015350	225	GNNLSQ <b>Y</b> VDDPVT
336	015350	240	QSVVVP <b>Y</b> EPPQVG
337	015350	254	EFTTIL <b>Y</b> NFMCNS

338	015350	309	KADEDH <b>Y</b> REQQAL
339	015350	355	HGDEDT <b>Y</b> YLQVRG
340	015350	356	GDEDT <b>Y</b> YLQVRGR
341	015350	389	QPLVDS <b>Y</b> RQQQQL
342	015350	407	HLQPPS <b>Y</b> GPVLSP
343	015350	487	CTPPPP <b>Y</b> HADPSL
344	015350	508	CPNCIE <b>Y</b> FTSQGL
345	015350	518	QGLQSI <b>Y</b> HLQNL
346	015350	537	LKIQEQ <b>Y</b> RMTIWR
347	015350	554	LKQGH <b>D</b> YSTAQQL
348	015357	22	SQAPSW <b>Y</b> HRDLSR
349	015357	62	FALCVL <b>Y</b> QKHVHT
350	015357	69	QKHVHT <b>Y</b> RILPDG
351	015357	102	GELIGL <b>Y</b> AQPNQG
352	015357	185	STVSHD <b>Y</b> LKGSYG
353	015357	190	DYLGKS <b>Y</b> GLDLEA
354	015357	467	TIPHDI <b>Y</b> VFGTQE
355	015357	497	ELTDLD <b>Y</b> RPIAMQ
356	015357	576	ARRNQ <b>N</b> YLDILRL
357	015357	610	WFGDL <b>N</b> YRLMDI
358	015357	661	ISFPPT <b>Y</b> RYERGS
359	015357	663	FPPT <b>Y</b> RYERGSRD
360	015357	671	RGSRD <b>T</b> YAWHKQK
361	015357	697	RILWKS <b>Y</b> PETHII
362	015357	707	HIICNS <b>Y</b> GCTDDI
363	015357	747	KTSDQ <b>A</b> YIEFESI
364	015357	770	KFFIE <b>F</b> YSTCLEE
365	015357	777	STCLEE <b>Y</b> KKSFEN
366	015357	815	ILADIE <b>Y</b> LQDQHL
367	015357	831	VKSMDG <b>Y</b> ESYGEC
368	015357	834	MDGY <b>E</b> SYGECVVA
369	015357	886	GTRERL <b>Y</b> EWISID
370	015357	987	FNNPAY <b>Y</b> VLEGVP
371	015357	1213	AIGLER <b>Y</b> EEGLVH
372	015372	120	HLHVGW <b>Y</b> QSTYYG
373	015372	140	LDSQFS <b>Y</b> QHAIEE
374	015372	326	AGQINT <b>Y</b> CQNIKE
375	015382	27	LCGPRR <b>Y</b> ASSSFK
376	015382	168	AAGTSL <b>Y</b> VRPVL
377	015382	352	PVHRIL <b>Y</b> KDRNLH
378	015400	58	LQQKQ <b>Q</b> YTNQLAK
379	015400	69	AKETDK <b>Y</b> IKEFGS
380	015400	230	LSRAAD <b>Y</b> QRKSRK
381	015455	9	QTLPCI <b>Y</b> FWGGLL
382	015455	74	AANFTR <b>Y</b> SQLTSL
383	015455	283	TMLDLS <b>Y</b> NNLNVV
384	015455	302	WLPQLE <b>Y</b> FFLEYN
385	015455	307	EYFFLE <b>Y</b> NNIQHL
386	015455	326	GLFNVR <b>Y</b> LNLKRS
387	015455	383	GLINLK <b>Y</b> LSLSNS
388	015455	462	ENIFEI <b>Y</b> LSYNKY
389	015455	465	FEIYLS <b>Y</b> NKYLQL
390	015455	468	YLSYNK <b>Y</b> LQLTRN
391	015455	556	NPGGPI <b>Y</b> FLKGLS
392	015455	675	PELSSH <b>Y</b> LCNTPP
393	015455	683	CNTPPH <b>Y</b> HGFPVR
394	015455	733	GWRISF <b>Y</b> WNVSVH
395	015455	756	QTEQFE <b>Y</b> AAAYIIH

396	015455	764	AYIIHAYKDKDWV
397	015516	245	RTHRPSYEDRVCF
398	015516	299	APPIIGYLPFEVL
399	015516	339	KGKSCYRFLTKG
400	015530	108	LATSREYAIKILE
401	015530	126	KENKVPYVTRERD
402	015530	146	PPFVKLYFTFQDD
403	015530	156	QDDEKLYFGLSYA
404	015530	161	LYFGLSYAKNGEL
405	015530	170	NGELLKYIRKIGS
406	015530	185	ETCTRFYTAEIVS
407	015530	195	IVSALEYLHGKGI
408	015530	248	FVGTAQYVSPELL
409	015530	273	ALGCIIYQLVAGL
410	015530	288	FRAGNEYLIFQKI
411	015530	299	KIIKLEYDFPEKF
412	015530	333	CEEMEGYGPLKAH
413	015530	361	PPKLTAYLPAMSE
414	015530	415	GSNIEQYIHDLDS
415	015530	485	TEGPHLYYVDPVN
416	015530	486	EGPHLYYVDPVNK
417	015530	523	HTPNRTYYLMDPS
418	015530	524	TPNRTYYLMDPSG
419	015530	547	EVWRQRYQSHPSA
420	015547	25	GWGLLDYKTEKYV
421	015547	30	DYKTEKYVMTRNW
422	015547	52	QFGIVVYVVGWAL
423	015547	224	ETWDPTYFKHCRY
424	015547	230	YFKHCRYEPQFSP
425	015547	237	EPQFSPYCPVFRI
426	015547	285	SGCWPHYSFQLQE
427	015547	294	QLQEKSYNFRTAT
428	015547	317	RTLLKLYGIRFDI
429	015547	361	CDLLLLYVDREAH
430	015547	369	DREAHFYWRTKYE
431	015547	374	FYWRTKYEEAKAP
432	015554	161	AMLLRLYLVPRAV
433	015554	326	QEAWMFYKHTRRK
434	015554	379	KMHMILYDLQQNL
435	043156	684	VCRACGYDSLQHL
436	043156	974	ARAGPVYSHTLAF
437	043156	1077	SGQQNPYTTNVLQ
438	043164	146	NHSEGEYIPGACS
439	043164	212	NREAEAYTGLSPP
440	043164	576	DPQFLT YMALEER
441	043175	174	GMKTIGYDPIISP
442	043175	432	ALAGAPYQAVGLV
443	043175	495	GVRLLSYQTSLSVS
444	043255	140	VLFPCKYATTGCS
445	043255	239	LEKQEKYEGHQOF
446	043255	263	QAENFAYRLELNG
447	043257	101	VAEGPNYLTACAG
448	043257	126	CGFPSPYTCVSCG
449	043257	135	VSCGAR YCTVRCL
450	043264	175	QKQNILYHLGEEW
451	043264	547	HHNNCMYIAHLL
452	043264	649	VLPVNIYCKAMGT
453	043294	279	PFCPECYFERFSP

454	043294	333	EREGRP <b>Y</b> CRRDFL
455	043294	357	GPILDN <b>Y</b> ISALSA
456	043294	451	ERAGKP <b>Y</b> CQPCFL
457	043318	143	CSQGV <b>A</b> YLHSMQP
458	043318	500	NSIPMA <b>Y</b> LTLDHQ
459	043318	584	NKSLST <b>Y</b> YQQCKK
460	043324	22	LSKGN <b>K</b> YSAQGER
461	043324	122	ADILLY <b>Y</b> GLHRFI
462	043324	152	FCHIQ <b>H</b> YPGIRQH
463	043353	15	ALPTIP <b>Y</b> HKLADL
464	043353	23	KLADLR <b>Y</b> LSRGAS
465	043353	77	HKARFS <b>Y</b> ILPILG
466	043353	97	LGIVTE <b>Y</b> MPNGSL
467	043353	113	LHRKTE <b>Y</b> PDVAWP
468	043353	134	IALGVN <b>Y</b> LHNMTP
469	043353	192	EGGTII <b>Y</b> MPPENY
470	043353	198	YMPPEN <b>Y</b> EPGQKS
471	043353	213	SIKHDI <b>Y</b> SYAVIT
472	043353	215	KHDI <b>Y</b> SYAVITWE
473	043353	240	NPLQIM <b>Y</b> SVSQGH
474	043353	257	NEESLP <b>Y</b> DIPHRA
475	043353	520	QMGLQ <b>P</b> YPEILVV
476	043390	208	SGQNRG <b>Y</b> AFITFC
477	043390	474	EDYYDD <b>Y</b> GYDYH
478	043390	616	YSGNYG <b>Y</b> NNDNQE
479	043432	42	QTPTAV <b>Y</b> QANQHI
480	043432	952	KPRMDQ <b>Y</b> FNQMEK
481	043432	1536	MFFDCL <b>Y</b> DEEVIS
482	043463	51	VEYLCD <b>Y</b> KKIREQ
483	043463	220	RAGLPI <b>Y</b> ECNSRC
484	043463	297	DRQGAT <b>Y</b> LFDLDY
485	043490	570	KKNRGT <b>Y</b> GTLHLQ
486	043490	742	IEETKK <b>Y</b> GRTIIG
487	043490	846	ENGNG <b>Y</b> HKDHVY
488	043491	88	LKKQKS <b>Y</b> TLVVAK
489	043491	258	NLLEKD <b>Y</b> FGLLFQ
490	043491	495	VEHHTF <b>Y</b> RLVSPE
491	043493	400	ILVAVL <b>Y</b> IAHHNK
492	043493	430	RPKASD <b>Y</b> QRLDQK
493	043493	437	QRLDQK <b>Y</b> VLILNV
494	043521	96	SRSSSG <b>Y</b> FSFDTD
495	043521	162	GDEFNA <b>Y</b> YARRVF
496	043521	189	ILRLLR <b>Y</b> IVRLVW
497	043524	162	AWGNLS <b>Y</b> ADLITR
498	043524	193	MVRCVP <b>Y</b> FKDKGD
499	043524	348	PLSPML <b>Y</b> SSSASL
500	043525	386	QAAWRY <b>Y</b> ATNPNR
501	043525	563	MLSRIK <b>Y</b> LQTRID
502	043525	832	WMREKR <b>Y</b> LAEGET
503	043526	127	SSEGAL <b>Y</b> ILEIVT
504	043526	251	LASFLV <b>Y</b> LAEKGE
505	043526	670	PEPAPP <b>Y</b> HSPEDS
506	043541	336	HWCSVA <b>Y</b> WEHRTR
507	043541	358	QAVSIF <b>Y</b> DLPQGS
508	043541	434	RKVPPG <b>Y</b> SIKVFD
509	043548	169	NDYGFI <b>Y</b> QGSKNW
510	043548	353	KDLPPA <b>Y</b> GGWQVL
511	043548	444	DDITEN <b>Y</b> KYEEGS



512	043561	36	HRLPGS <b>Y</b> DSTSSD
513	043561	45	TSSDSL <b>Y</b> PRGIQF
514	043561	64	APWPPA <b>Y</b> PPVTSY
515	043561	70	YPPVTS <b>Y</b> PPLSQP
516	043602	139	AKKVR <b>F</b> YRNGDRY
517	043602	145	YRNGDR <b>Y</b> FKGIVY
518	043602	206	LEEGES <b>Y</b> VCSSDN
519	043633	72	LVRTRR <b>Y</b> VRKFVL
520	043663	140	ILCM <b>P</b> H <b>Y</b> DIDSAS
521	043663	310	YWDQCF <b>Y</b> SQEQRQ
522	043663	345	VRLKN <b>Y</b> EVHKEL
523	043683	802	GAFAQV <b>Y</b> EATQGD
524	043683	984	SNKPWN <b>Y</b> QIDYFG
525	043683	988	WNYQID <b>Y</b> FGVAAT
526	043760	44	IVFSCI <b>Y</b> GEGYSN
527	043760	58	HESKQ <b>M</b> YCVFNRN
528	043760	70	NEDACR <b>Y</b> GSAIGV
529	043768	41	AKLKAK <b>Y</b> PSLGQK
530	043768	64	LQKGQK <b>Y</b> FDSGDY
531	043768	70	YFDSGD <b>Y</b> NMAKAK
532	043809	40	ERTINL <b>Y</b> PLTNYT
533	043809	158	NFEPPQ <b>Y</b> PYIPAH
534	043809	202	APLFEL <b>Y</b> DNAPGY
535	060256	110	IIGVIP <b>Y</b> FPYSKQ
536	060256	180	QEEIPD <b>Y</b> RNAVIV
537	060256	291	LKERGA <b>Y</b> KIFVMA
538	060260	149	YNSFYV <b>Y</b> CKGPCQ
539	060260	267	LDCFHL <b>Y</b> CVTRLN
540	060260	391	GTTTQ <b>A</b> YRVDERA
541	060285	143	KGELYD <b>Y</b> ISERRR
542	060285	310	WWVN <b>W</b> G <b>Y</b> KSSVCD
543	060285	478	QQRESG <b>Y</b> YSSPER
544	060331	71	ASGETT <b>Y</b> KKTTSS
545	060331	89	IQLGIG <b>Y</b> TVGHLS
546	060331	108	VLMQDF <b>Y</b> VVESIF
547	060331	136	DFRFKT <b>Y</b> APVAFR
548	060331	143	APVAFR <b>Y</b> FRELFG
549	060331	155	GIRPDD <b>Y</b> LYSLCN
550	060331	157	RPDDYL <b>Y</b> SLCNEP
551	060331	178	ASGSLF <b>Y</b> VTSDDDE
552	060331	205	QKLLPG <b>Y</b> YMNLNQ
553	060331	206	KLLPG <b>Y</b> YMNLNQN
554	060331	221	TLLPKF <b>Y</b> GLYCVQ
555	060331	224	PKFYGL <b>Y</b> CVQSGG
556	060331	259	DLKGST <b>Y</b> KRRASK
557	060331	275	EKSFT <b>P</b> YKDLDFM
558	060331	317	SFKIMD <b>Y</b> SLLLGV
559	060331	354	VGQKAL <b>Y</b> STAMES
560	060331	403	IDILQ <b>S</b> YRFIKKL
561	060331	431	VHRPSF <b>Y</b> AERFFK
562	060331	489	EREEAQ <b>Y</b> DLRGAR
563	060331	497	LRGARS <b>Y</b> PTLEDE
564	060331	549	TSEQPR <b>Y</b> RRRTQS
565	060331	654	VYSPLH <b>Y</b> SAQAPP
566	060343	935	QFLALQ <b>Y</b> RLRHRL
567	060343	1065	SRLLD <b>H</b> YHRDLYN
568	060343	1258	EQEKMA <b>Y</b> QKTVEQ
569	060493	22	QNLND <b>A</b> YGPPSNF

570	060493	71	STVRRR <b>Y</b> SDFEWL
571	060493	154	EIIDKS <b>Y</b> TPSKIR
572	060566	115	LQGEKR <b>Y</b> YSDPRF
573	060566	162	ISWAE <b>EY</b> EARENF
574	060566	949	ANCSSP <b>Y</b> QVDLFG
575	060602	33	DGRIAF <b>Y</b> RFCNLT
576	060602	57	LLLSFN <b>Y</b> IRTVTA
577	060602	81	LELG <b>SQY</b> TPLTID
578	060602	127	LFELRL <b>Y</b> FCGLSD
579	060602	140	AVLKDG <b>Y</b> FRNLKA
580	060602	161	NQIRSL <b>Y</b> LHPSFG
581	060602	209	LAANSL <b>Y</b> SRVSVD
582	060602	321	KVLNLA <b>Y</b> NKINKI
583	060602	333	IADEAF <b>Y</b> GLDNLQ
584	060602	345	QVLNLS <b>Y</b> NLLGEL
585	060602	352	NLLGEL <b>Y</b> SSNFYG
586	060602	357	LYSSNF <b>Y</b> GLPKVA
587	060602	364	GLPKVA <b>Y</b> IDLQKN
588	060602	442	ENLDIL <b>Y</b> FLLRVP
589	060602	508	SHLQVL <b>Y</b> LNHNYL
590	060602	513	LYLNHN <b>Y</b> LNSLPP
591	060602	609	GPPADI <b>Y</b> CVYPDS
592	060602	612	ADIYCV <b>Y</b> PDSFSG
593	060602	671	GFCFIC <b>Y</b> KTAQRL
594	060602	691	GTEPDM <b>Y</b> KYDAYL
595	060602	693	EPDMY <b>KY</b> DAYLCF
596	060602	696	MYKYDAY <b>Y</b> LCFSSK
597	060602	774	CLEAFS <b>Y</b> AQGRCL
598	060602	815	FVQKQ <b>Y</b> LRWPED
599	060610	1101	KDAQEQ <b>Y</b> NKLMMM
600	060610	1115	SNMETL <b>Y</b> KELGEY
601	060610	1121	YKELGE <b>Y</b> FLFDPK
602	060658	194	PNIMAC <b>Y</b> NELLQL
603	060658	239	EDRFIQ <b>Y</b> ANPAFE
604	060658	290	KEWQGI <b>Y</b> YAKKKN
605	060674	20	TSTSSI <b>Y</b> QNGDIS
606	060674	42	DPVLQV <b>Y</b> LYHSLG
607	060674	54	GKSEAD <b>Y</b> LTFPSG
608	060674	62	TFPSGE <b>Y</b> VAEEIC
609	060674	114	TRHNVL <b>Y</b> RIRFYF
610	060674	124	FYFPRW <b>Y</b> CSGSNR
611	060674	132	SGSNRA <b>Y</b> RHGISR
612	060674	201	QTPLAI <b>Y</b> NSISYK
613	060674	206	IYNSIS <b>Y</b> KTFLPK
614	060674	254	RNLKL <b>Y</b> LINLET
615	060674	266	TLQSAF <b>Y</b> TEKFEV
616	060674	317	EQDLQL <b>Y</b> CDFPNI
617	060674	423	GNQTGL <b>Y</b> VLRCSF
618	060674	481	KDLLNC <b>Y</b> QMETVR
619	060674	590	DKAHRN <b>Y</b> SESFFE
620	060674	637	FGSLDT <b>Y</b> LKKNKN
621	060674	766	QRKLQF <b>Y</b> EDRHQL
622	060674	790	INNCMD <b>Y</b> EPDFRP
623	060674	913	HDNIVK <b>Y</b> KGVCYS
624	060674	918	KYKGVC <b>Y</b> SAGRRN
625	060674	934	IMEYLP <b>Y</b> GSLRDY
626	060674	940	YGSLRD <b>Y</b> LQKHKE
627	060674	956	HIKLLQ <b>Y</b> TSQICK

628	060674	1021	ESPIFW <b>Y</b> APESLT
629	060678	224	GVYFSS <b>Y</b> GHYGIH
630	060678	333	ISEWMG <b>Y</b> FLLFES
631	060678	359	AKGGSV <b>Y</b> PDICTI
632	060711	198	ERSGLA <b>Y</b> CPNDYH
633	060711	203	AYCPND <b>Y</b> HQLFSP
634	060711	213	FSPRCA <b>Y</b> CAAPIL
635	060711	257	EKDKKP <b>Y</b> CRKDFL
636	060711	281	RPVLEN <b>Y</b> LSAMDT
637	060711	321	PFCELH <b>Y</b> HHRRGT
638	060711	346	CISAMG <b>Y</b> KFHPEH
639	060711	375	EQNDKT <b>Y</b> CQPCFN
640	060716	96	DHSHLL <b>Y</b> STIPRM
641	060716	174	SSVSNN <b>Y</b> IQTLGR
642	060716	193	NGGPGP <b>Y</b> VGQAGT
643	060716	208	LPRNFH <b>Y</b> PPDGYS
644	060716	213	HYPPDG <b>Y</b> SRHYED
645	060716	241	TRIEER <b>Y</b> RPSMEG
646	060716	248	RPSMEG <b>Y</b> RAPSRQ
647	060716	291	DQRSMG <b>Y</b> DDLDYG
648	060716	296	GYDDLD <b>Y</b> GMMSDY
649	060716	302	YGMMSD <b>Y</b> GTARRT
650	060716	321	RRRLRS <b>Y</b> EDMIGE
651	060716	334	EVPSDQ <b>Y</b> YWAPLA
652	060716	335	VPSDQ <b>Y</b> YWAPLAQ
653	060716	389	KSNAAY <b>Y</b> LQHLCY
654	060716	395	YLQHLC <b>Y</b> RNDKVK
655	060716	588	LLRNLS <b>Y</b> QVHREI
656	060716	600	IPQAER <b>Y</b> QEAAPN
657	060716	656	TSPARG <b>Y</b> ELLFQP
658	060716	668	PEVVRI <b>Y</b> ISLLKE
659	060716	698	CAGRWT <b>Y</b> GRYIRS
660	060716	701	RWTYGR <b>Y</b> IRSALR
661	060716	832	LQTIWG <b>Y</b> KELRKP
662	060763	81	DSEIIG <b>Y</b> ALDTLY
663	060763	590	ISKHEL <b>Y</b> SRASQK
664	060763	655	DNIVTH <b>Y</b> KNMIRE
665	060832	153	QSAGKE <b>Y</b> VGIVRL
666	060832	273	LDAQWL <b>Y</b> DNHKDE
667	060832	376	IMERDT <b>Y</b> PRKWGL
668	060841	593	MSSDSE <b>Y</b> DSDDDR
669	060841	919	LRVKNQ <b>Y</b> EKHKEV
670	060841	951	LPLLVA <b>Y</b> KEDEIP
671	060869	109	PQVIAD <b>Y</b> ESGRAI
672	060870	95	VHNNIV <b>Y</b> NEYISH
673	060870	298	KKLGEK <b>Y</b> HKKKAI
674	060870	312	KEVIDK <b>Y</b> TAVVKM
675	060885	118	KRLENN <b>Y</b> YWNAQE
676	060885	390	ALGLHD <b>Y</b> CDI IKH
677	060885	1054	HHKSDP <b>Y</b> STGHLR
678	060928	40	AQRGLA <b>Y</b> LRDAWG
679	060928	209	RVSAVL <b>Y</b> QERENG
680	060928	311	RGSKGE <b>Y</b> QIKMEN
681	060934	110	SKFRIE <b>Y</b> EPLVAC
682	060934	176	PIVKPE <b>Y</b> FTEFLK
683	060934	679	SGINDD <b>Y</b> GQLKNF
684	075030	25	EEPKTY <b>Y</b> ELKSQP
685	075030	142	RQQVKQ <b>Y</b> LSTTLA

686	075030	471	TEANQAYSVPTKM
687	075044	120	TTLSDIYLNNIIP
688	075044	161	KVLNELYSVMKTY
689	075044	830	GHVADIYLANINK
690	075056	79	DELDDL <del>Y</del> SGSGSG
691	075056	86	SGSGSG <del>Y</del> FEQESG
692	075116	75	DNFLNR <del>Y</del> EKIVKK
693	075116	92	QMKAE <del>D</del> YDVVKVI
694	075116	118	KASQKV <del>Y</del> AMKLLS
695	075116	164	AFQDDR <del>Y</del> LYMVME
696	075116	166	QDDRYL <del>Y</del> MVMEYM
697	075116	171	LYMVME <del>Y</del> MPGGDL
698	075116	184	VNLMSN <del>Y</del> DVPEKW
699	075116	256	AVGTPD <del>Y</del> ISPEVL
700	075116	271	QGGDGF <del>Y</del> GRECDW
701	075116	285	SVGVFL <del>Y</del> EMLVGD
702	075116	295	VGDTPF <del>Y</del> ADSLVG
703	075116	303	DSLVG <del>T</del> YSKIMDH
704	075116	415	PFIGFT <del>Y</del> YRENLL
705	075116	416	FIGFT <del>Y</del> YRENLLL
706	075116	450	EIQKKL <del>Y</del> TLEEHL
707	075116	515	QHKNAE <del>Y</del> QRKADH
708	075116	1084	TQQMIK <del>Y</del> QKELNE
709	075116	1174	FGWVKK <del>Y</del> VIVSSK
710	075116	1185	SKKILF <del>Y</del> DSEQDK
711	075116	1232	RIFQIL <del>Y</del> ANEGES
712	075116	1255	VGEKSN <del>Y</del> ICHKGH
713	075116	1268	EFIPTL <del>Y</del> HFPTNC
714	075116	1318	IAPCKV <del>Y</del> YDISTA
715	075116	1319	APCKV <del>Y</del> YDISTAK
716	075143	148	RKQGHE <del>Y</del> VILYRI
717	075143	231	PMHPCN <del>Y</del> RTAGED
718	075143	285	GSADLA <del>Y</del> PVVFAA
719	075151	145	VPAPT <del>F</del> YVSDVEN
720	075151	677	KPVRDE <del>Y</del> EYVSDD
721	075151	875	CFKDS <del>D</del> YVYPSLE
722	075154	317	MGSEST <del>Y</del> SECETF
723	075154	435	SKKVAR <del>Y</del> LHQSGA
724	075154	737	NFRLQD <del>Y</del> IDRIIV
725	075155	341	QESEDE <del>Y</del> SDDDDM
726	075155	883	VRAAAS <del>Y</del> ALGRVG
727	075155	1095	AAFECM <del>Y</del> SLLESC
728	075179	798	SQDVQ <del>G</del> YITNQSP
729	075179	2038	PTAKEH <del>Y</del> PVSSPS
730	075179	2536	GMPFSV <del>Y</del> GNAMIP
731	075348	47	QAEIEQ <del>Y</del> RLQREK
732	075348	87	MTILQT <del>Y</del> FRQNRD
733	075367	48	GVGAPV <del>Y</del> MAAVLE
734	075367	55	MAAVLE <del>Y</del> LTAEIL
735	075367	337	LKAISS <del>Y</del> FVSTMS
736	075381	109	GSRWRD <del>Y</del> GALAI I
737	075381	127	FGFHQL <del>Y</del> KKYLLP
738	075381	290	EGSTVT <del>Y</del> HLLGPQ
739	075410	533	PEEDLE <del>Y</del> FECSNV
740	075410	628	NEWKKK <del>Y</del> EETRQE
741	075410	719	KKCAQD <del>Y</del> LARVKQ
742	075449	22	YALLGN <del>Y</del> DSAMVY
743	075449	39	LDQMNK <del>Y</del> LYSVKD

744	075449	378	RLEKRIYIPLPSA
745	075496	98	ENPSSQYWKEVAE
746	075496	111	KRRKALYEALKEN
747	075496	150	VAEHVQYMAELIE
748	075530	80	KSKKCKYSFKCVN
749	075530	148	DADENFYTCAWTY
750	075530	308	RDIHRNYVDCVRW
751	075531	43	RGFDKAYVVLGQF
752	075533	44	YYDQEIYGGSDSR
753	075533	928	GKRVKPYLPQICG
754	075533	1167	MGKDYIYAVTPLL
755	075563	11	SSTSSPYPLPEEI
756	075563	59	KDVKSIYLQEFQD
757	075563	93	SLASERYDKDDEA
758	075563	122	FVLKAGYLEKRRK
759	075563	150	LSKTVFYYYGSDK
760	075563	152	KTVFYYYGSDKDK
761	075563	169	EFAIDGYSVRMNN
762	075563	230	DIIPEDYDERGEL
763	075563	237	DERGELYDDVDHP
764	075563	298	GDKSTDYANFYQG
765	075563	302	TDYANFYQGLWDC
766	075563	325	KRGDVIYILSKEY
767	075563	331	YILSKEYNRYGWW
768	075563	334	SKEYNRYGWWVGE
769	075569	145	GWRLPEYTLSQEG
770	075569	159	PAHKREYTTICRL
771	075569	258	QGFNITYLDIDEL
772	075581	66	FSHGLIYWSDVSE
773	075581	706	VEFGLDYPEGMAV
774	075581	1584	LSAEENYESCPPS
775	075582	359	TEMDPTYSPAALP
776	075582	375	EKLFGQYSFVAPS
777	075582	523	SETEASYIMRKL
778	075636	107	ATLSGWYHLCLPE
779	075636	207	LGEVDHYQLALGK
780	075636	267	SNLNGRYAVSEAA
781	075689	34	DPDWASYTLGVFI
782	075689	131	EPYSAGYREGFLW
783	075689	258	NYLKEGYMEKTGP
784	075716	20	IIDNKRYLFIQKL
785	075716	33	GEGGFSYVDLVEG
786	075716	46	LHDGHFYALKRIL
787	075716	83	ILRLVAYCLRERG
788	075716	144	AIHAKGYAHRDLK
789	075716	226	SLGCVLYAMMFGE
790	075716	235	MFGEGPYDMVFQK
791	075807	118	DDDDGMYGEREAT
792	075807	179	GVNKFSYPPSHRE
793	075807	344	FLKAWVYWPGEDT
794	075807	484	HFRGWGYRPGKET
795	075821	70	IKTVTEYKIDEDG
796	075821	171	WTTRCPYKDTLGP
797	075821	305	GVSGFGYDHLILN
798	075822	170	KDKITQYEKSLYY
799	075822	243	KDDLADYGGYDGG
800	075822	246	LADYGGYDGGYVQ
801	075915	43	VSNLLYQTNYL

802	075915	47	LYYQTN <b>Y</b> LVVAAM
803	075915	97	RRMKKR <b>Y</b> PTTFVM
804	075925	144	LQKLPF <b>Y</b> DLLDEL
805	075925	398	FMEILK <b>Y</b> CTDCDE
806	075925	556	SGDNQH <b>Y</b> NTSLLA
807	075934	49	YRPTKN <b>Y</b> LSYLT
808	075934	52	TKNYLS <b>Y</b> LTAPDY
809	075934	193	SLVSKN <b>Y</b> EIERTI
810	075943	189	SFHMFP <b>Y</b> QSQIAV
811	075943	452	GDLFNL <b>Y</b> LHQNYI
812	075943	457	LYLHQN <b>Y</b> IDFFME
813	075995	116	SPTSPD <b>Y</b> SLDSPG
814	075995	170	EPPAPQ <b>Y</b> TGPF CG
815	075995	278	TLLNG <b>Y</b> QTLEDF
816	076021	54	KSRKNN <b>Y</b> GLLLNE
817	076021	114	EKTEQF <b>Y</b> RKLLNK
818	076021	142	KKEYKS <b>Y</b> EAKLRL
819	076024	110	TEVGKH <b>Y</b> LQLAGD
820	076024	706	WTGRFK <b>Y</b> VRVTDI
821	076024	735	DWMRCL <b>Y</b> GEAYPA
822	076061	140	QLQREC <b>Y</b> LKHDLC
823	076061	171	LLLHEP <b>Y</b> VDLVNL
824	076094	132	DECLAV <b>Y</b> RDLVRN
825	076094	436	TQAIQW <b>Y</b> QNHQPK
826	076094	566	GKLPKN <b>Y</b> DPKVTP
827	094760	161	ADTFKD <b>Y</b> AVSTVP
828	094760	224	IAANCI <b>Y</b> LNIPNK
829	094760	249	PESAKV <b>Y</b> EKLKDH
830	094763	296	VNGSSS <b>Y</b> HSDDDD
831	094763	392	RTPADI <b>Y</b> RAFVDV
832	094763	403	DVVNGE <b>Y</b> VPRKSI
833	094811	201	LVDESG <b>Y</b> VSGYKH
834	094811	205	SGYVSG <b>Y</b> KHAGTY
835	094811	211	YKHAGT <b>Y</b> DQKVQG
836	094832	114	KTEASK <b>Y</b> IMQYIA
837	094832	385	IGVLDI <b>Y</b> GFEIFD
838	094832	536	DFKRLM <b>Y</b> NSSNPV
839	094875	133	GLYNPP <b>Y</b> SAQSHP
840	094875	426	MAWGSP <b>Y</b> VPEVRS
841	094875	610	VSDHSD <b>Y</b> IHLEGS
842	094915	1224	DSSRSI <b>Y</b> EVAMQL
843	094915	2185	TFNLVT <b>Y</b> LAELLE
844	094915	2814	GAKEDM <b>Y</b> RINTDA
845	094916	191	NMSTSS <b>Y</b> NDNTEV
846	094916	511	IVKVPP <b>Y</b> HDQHIT
847	094916	932	LQQSPV <b>Y</b> QQTSHM
848	095069	12	SRERPG <b>Y</b> RAGVAA
849	095069	281	GGSDIE <b>Y</b> LDFYKP
850	095069	406	LKTESI <b>Y</b> LNGLTP
851	095071	542	LRNNPL <b>Y</b> HAGAVA
852	095071	1956	VFQALI <b>Y</b> WIKAMN
853	095071	2731	ERQDLV <b>Y</b> FWTSSP
854	095084	35	KPTWPA <b>Y</b> RLPVVL
855	095084	282	RIHFSG <b>Y</b> DNDRPG
856	095084	302	DVKDET <b>Y</b> DLLYQQ
857	095235	157	GQNWLI <b>Y</b> TYGVTN
858	095235	159	NWLIYT <b>Y</b> GVTNSG
859	095235	558	EADISM <b>Y</b> GKEELL

860	095251	305	ENLTSEYDLDLFR
861	095251	435	LDHKTLYYDVEPF
862	095251	530	KEVLLRYLHNFQG
863	095267	131	ICYFVRYWITEFW
864	095267	344	DNYRRAYGECTDF
865	095267	704	TAQDTLYVLPSP
866	095278	86	RVDTFWYKFLKRE
867	095278	283	VCGWLQYVMGWNL
868	095278	304	AKRPAVYIDEEAL
869	095297	41	VSALEVYTPKEIF
870	095297	90	TVSFFHYYSQGQVY
871	095297	96	YSQGQVYLGNYPP
872	095297	100	QVYLGNYPPFKDR
873	095297	133	FIHNGTYICDVKN
874	095297	153	PGHIRLYVVEKEN
875	095297	191	MILAVLYRRKNSK
876	095297	200	KNSKRDYTGCS
877	095373	328	LQQTLYINQGV
878	095373	416	KTMGFYQILTEP
879	095373	719	KYLEMIYSMCKKV
880	095453	76	GLCTFKYDYTDSK
881	095453	381	QLHEAGYDAYITG
882	095453	500	AVNTSKYAESYRI
883	095470	29	STKAKNYVNGHCT
884	095470	164	ELLVKAYGDFAWS
885	095470	550	VFLDSLYSTDTVT
886	095477	1317	MDGKGSYQVKGWK
887	095477	1532	WVNEFRYGGFSLG
888	095477	2139	NRFGDGYTIVVRI
889	095551	61	ERALNSYFEPPE
890	095551	143	CSYLALYSPDVIF
891	095551	158	EVIPPYYSYLKKR
892	095630	50	IRMASIYSEEGNI
893	095630	114	AELLKRYTKEYTE
894	095630	118	KRYTKEYTEYNEE
895	095633	142	GSDGATYRDECCEL
896	095633	163	PDL SVMYRGRCRK
897	095633	218	GNNNVTYISSCHM
898	095644	47	EEEHYGYASSNVS
899	095644	189	NSEASSYESNYSY
900	095644	924	EELDQLYLDVNE
901	095714	2566	NDDYAVYVRENIQ
902	095714	3620	VESSHPTYTDDTST
903	095714	4271	TEDGEVYTWGDND
904	095777	8	TSALENYINRTVA
905	095777	60	QVVLGLYIVRGDN
906	095785	406	EASALLYQPYGAA
907	095785	409	ALLYQPYGAAGVL
908	095785	705	EERKCPYCPDRFH
909	095786	213	SDIQIFYQEDPEC
910	095786	426	TDEALDYICKLCA
911	095786	548	TSHLRKYNDALII
912	095810	103	LTKLSKYQASTSN
913	095810	395	QAQKVRYESGYAL
914	095810	399	VRYEGSYALTSEE
915	095835	283	YSGNMEYVISRIS
916	095835	769	EWVVRLYYSFQDK
917	095835	927	VLLRTGYTQLCDW



918	095863	126	SLEAEAYAAFPGL
919	095863	158	KAFNCKYCNKEYL
920	095863	236	HSDVKKYQCQACA
921	095866	128	VLGDRTYCKAPGP
922	095866	140	PTHGSVYPQLLIP
923	095972	137	VRATVVYRHHLQL
924	095972	362	SCVPYKYVPISVL
925	095972	378	ANGSILYKEYEGM
926	095997	111	PASDDAYPEIEKF
927	096013	373	VVIMRDYQHENVV
928	096013	382	ENVVEMYNSYLVG
929	096013	480	SLVGTPYWMAPEL
930	096017	136	LKRTDKYRTYSKK
931	096017	327	EATCKLYFYQMLL
932	096017	445	QITSGKYNFPIPEV
933	096019	21	VFDIGSYTVRAGY
934	096019	186	IPVHDGYVLQQGI
935	096019	416	WISKQEYEEGGKQ
936	096033	11	CQVEVL YFAKSAE
937	096033	63	FAVRQEYVELGDQ
938	P00167	11	SDEAVKYTLEEI
939	P00167	12	DEAVKYTLEEIQ
940	P00167	35	ILHHKVYDLTKFL
941	P00325	35	VAPPKAYEVRIKM
942	P00325	181	CGFSTGYGSVNV
943	P00325	320	TWKGAVYGGFKSK
944	P00367	429	MVIPDLYLNAGGV
945	P00367	439	GGVTVS YFEWLKN
946	P00367	512	VHSGLAYTMERSA
947	P00439	138	ANQILSYGAELDA
948	P00439	325	EKLATIYWFTVEF
949	P00439	377	KTAIQNYTVTEFQ
950	P00450	260	QESNRMYSVNGYT
951	P00450	713	GGMKQKYTVNQCR
952	P00450	1011	YKHRGVYSSDVFD
953	P00451	1440	HLPAASYRKKDSG
954	P00451	1781	LGLLGPYIRAEVE
955	P00451	1998	MALYNLYPGVFET
956	P00480	167	NGLSDLYHPIQIL
957	P00480	176	IQILADYLTQLQH
958	P00480	345	VSL LTDYSPQLQK
959	P00491	88	QGRFHM YEGYPLW
960	P00491	166	PAMSDAYDRTMRQ
961	P00491	192	ELQEGTYVMVAGP
962	P00492	81	FADLLDYIKALNR
963	P00492	105	FIRLKS YCNDQST
964	P00492	191	DKFVVG YALDYNE
965	P00558	76	VPMPDKYSLEPVA
966	P00558	161	SKLGDVYVNDAFG
967	P00558	196	MKKELN YFAKALE
968	P00568	95	GFLIDGYPREVQQ
969	P00568	154	KRLETYYKATEPV
970	P00568	164	EPVIAFYEKRGIV
971	P00734	67	VEETCSYEEAFEA
972	P00734	359	RELLESYIDGRIV
973	P00734	600	CDRDGKYGFYTHV
974	P00736	222	PDLRCNYSIRVER
975	P00736	684	IGCSRGYGFYTKV

976	P00736	693	YTKVLN <b>Y</b> VDWIKK
977	P00740	352	LKFGSG <b>Y</b> VSGWGR
978	P00740	371	SALVLQ <b>Y</b> LRVPLV
979	P00740	441	CAMKGK <b>Y</b> GIYTKV
980	P00742	84	NEFWNK <b>Y</b> KDGDQC
981	P00742	108	KDGLGE <b>Y</b> TCTCLE
982	P00742	431	TRFKDT <b>Y</b> FVTGIV
983	P00747	111	TGNGKN <b>Y</b> RGTMSK
984	P00747	273	PSSGPT <b>Y</b> QCLKGT
985	P00747	283	KGTGEN <b>Y</b> RGNVAV
986	P00749	235	YPKKED <b>Y</b> IVYLGR
987	P00749	350	ECQQPH <b>Y</b> YGSEVT
988	P00749	351	CQQPHY <b>Y</b> GSEVTT
989	P00813	67	FLAKFD <b>Y</b> YMPAIA
990	P00813	97	AKEGVV <b>Y</b> VEVRYS
991	P00813	172	VELCKK <b>Y</b> QQQTVV
992	P00915	21	EQWSKL <b>Y</b> PIANGN
993	P00915	52	KPISVS <b>Y</b> NPATAK
994	P00915	205	LTHPPL <b>Y</b> ESVTWI
995	P01008	163	KLNCRL <b>Y</b> RKANKS
996	P01008	198	DISELV <b>Y</b> GAKLQP
997	P01008	395	EGRDDL <b>Y</b> VSDAFH
998	P01009	162	EDVKKL <b>Y</b> HSEAFT
999	P01009	184	KKQIND <b>Y</b> VEKGTQ
1000	P01009	268	WVLLMK <b>Y</b> LGNATA
1001	P01019	37	AAGDRV <b>Y</b> IHPFHL
1002	P01019	349	LLIQPH <b>Y</b> ASDLDK
1003	P01019	390	LVLQGS <b>Y</b> DLQDLL
1004	P01024	210	WKIRAY <b>Y</b> ENSPQQ
1005	P01024	243	EPTEKF <b>Y</b> YIYNEK
1006	P01024	1480	PGAVKV <b>Y</b> AAYNLE
1007	P01033	69	IKMTKM <b>Y</b> KGFQAL
1008	P01033	85	ADIRFV <b>Y</b> TPAMES
1009	P01033	143	RGFTKT <b>Y</b> TVGCEE
1010	P01034	60	DFAVGE <b>Y</b> NKASND
1011	P01034	68	KASNDM <b>Y</b> HSRALQ
1012	P01034	88	IVAGVN <b>Y</b> FLDVEL
1013	P01042	166	LRHGIQ <b>Y</b> FNNNTQ
1014	P01042	234	ECTDNA <b>Y</b> IDIQLR
1015	P01042	298	ENNATF <b>Y</b> FKIDNV
1016	P01100	29	AGDSLS <b>Y</b> YHSPAD
1017	P01100	106	APSAG <b>Y</b> SRAGVV
1018	P01100	299	DLSGSF <b>Y</b> AADWEP
1019	P01100	337	TPSCTA <b>Y</b> TSSFVF
1020	P01100	345	SSFVFT <b>Y</b> PEADSF
1021	P01106	24	SVQPYF <b>Y</b> CDEEEN
1022	P01106	319	PSTRKD <b>Y</b> PAAKRV
1023	P01106	402	LKKATA <b>Y</b> ILSVQA
1024	P01112	137	QDLARS <b>Y</b> GIPYIE
1025	P01112	141	RSYGIP <b>Y</b> IETSAK
1026	P01112	157	GVEDAF <b>Y</b> TLVREI
1027	P01148	28	SSQHWS <b>Y</b> GLRPGG
1028	P01185	21	AFSSAC <b>Y</b> FQNCPR
1029	P01185	80	RCQEEN <b>Y</b> LPSPCQ
1030	P01189	160	RRPVKV <b>Y</b> PNGAED
1031	P01189	221	KKDEGP <b>Y</b> RMEHFR
1032	P01189	237	PPKDKR <b>Y</b> GGFMTS
1033	P01236	124	SWNEPL <b>Y</b> HLVTEV

1034	P01236	196	ESRLSA <b>Y</b> YNLLHC
1035	P01236	213	SHKIDN <b>Y</b> LKLLKC
1036	P01241	68	IPKEQ <b>K</b> YSFLQNP
1037	P01241	137	ASDSNV <b>Y</b> DLLKDL
1038	P01241	190	KNYGL <b>L</b> YCFRKDM
1039	P01258	58	AALVQ <b>N</b> YVQMKAS
1040	P01258	96	TCMLGT <b>Y</b> TQDFNK
1041	P01266	325	CRRNGD <b>Y</b> QAVQCQ
1042	P01266	1114	CLETGE <b>Y</b> ARLQAS
1043	P01266	2478	VSGPFH <b>Y</b> WGPVID
1044	P01275	62	GTFTSD <b>Y</b> SKYLD
1045	P01275	65	TSDY <b>S</b> KYLD
1046	P01275	110	TSDVSS <b>Y</b> LEGQAA
1047	P01282	29	TSAP <b>W</b> LYRAPSAL
1048	P01282	72	AENDTP <b>Y</b> YDVS
1049	P01282	102	QLSA <b>K</b> YLES
1050	P01286	32	TLRMRR <b>Y</b> ADAI
1051	P01286	41	AIFTNS <b>Y</b> RKVLGQ
1052	P01303	29	GALAE <b>A</b> YPSKPDN
1053	P01303	48	AEDMAR <b>Y</b> YSALRH
1054	P01303	64	LITRQ <b>R</b> YGKRSSP
1055	P01350	87	EEEEEA <b>Y</b> GWMDFG
1056	P01579	22	LGSLGC <b>Y</b> CQDPYV
1057	P01579	27	CYCQDP <b>Y</b> VKEAEN
1058	P01579	121	FEKLT <b>N</b> YSVTDLN
1059	P01591	85	LRTRFV <b>Y</b> HLS
1060	P01591	124	SATETC <b>Y</b> TYDRNK
1061	P01591	132	YDRNK <b>C</b> YTAVVPL
1062	P01700	36	TGNNYV <b>Y</b> WYQQLP
1063	P01700	51	APKLL <b>I</b> YRDDKRP
1064	P01700	88	SEDEAH <b>Y</b> HCAAWD
1065	P01744	46	SCKASG <b>Y</b> TFIDSY
1066	P01744	52	YTFID <b>S</b> YIHWIRQ
1067	P01744	126	PFWS <b>D</b> YNF
1068	P01772	32	GFIFSS <b>Y</b> AMYWVR
1069	P01772	35	FSSYAM <b>Y</b> WVRQAP
1070	P01772	115	SCFGPD <b>Y</b> WGQGTP
1071	P01814	96	VDTAT <b>Y</b> YCARVVN
1072	P01814	110	VMAGY <b>Y</b> YMDVW
1073	P01814	111	MAGY <b>Y</b> YMDVWG
1074	P01825	33	STFSND <b>Y</b> YTWVRQ
1075	P01825	53	WIGYV <b>F</b> YHGTSD
1076	P01825	94	ADTAV <b>Y</b> YCARNLI
1077	P02008	43	HPQTK <b>T</b> YFPHFDL
1078	P02008	90	LSELH <b>A</b> YILRVDP
1079	P02511	48	TSLSP <b>F</b> YLRPPSF
1080	P02511	122	REFHR <b>K</b> YRIPADV
1081	P02545	45	NDRLAV <b>Y</b> IDRVRS
1082	P02545	211	DFQKN <b>I</b> YSEELRE
1083	P02545	646	NLVTR <b>S</b> YLLGNSS
1084	P02647	53	KDSGRD <b>Y</b> VSQFEG
1085	P02647	139	QEEMEL <b>Y</b> RQKVEP
1086	P02647	216	GARLA <b>E</b> YHAKATE
1087	P02649	54	LGRFWD <b>Y</b> LRWVQT
1088	P02649	92	MKELK <b>A</b> YKSELEE
1089	P02649	180	QKRLAV <b>Y</b> QAGARE
1090	P02652	44	FQTVTD <b>Y</b> GKDLME
1091	P02652	64	QAEAK <b>S</b> YFEKSKE

1092	P02652	89	LVNFLS <b>Y</b> FVELGT
1093	P02671	601	TFESKS <b>Y</b> KMADEA
1094	P02671	809	YGGGWW <b>Y</b> NNCQAA
1095	P02671	851	SFRGAD <b>Y</b> SLRAVR
1096	P02675	149	SSFQYM <b>Y</b> LLKDLW
1097	P02675	315	NTDGKN <b>Y</b> CGLPGE
1098	P02675	375	QISVKN <b>Y</b> RGTAGN
1099	P02679	94	KAIQLT <b>Y</b> NPDESS
1100	P02679	375	HLNGV <b>Y</b> YQGGTYS
1101	P02679	380	YYQGGT <b>Y</b> SKASTP
1102	P02686	148	QRHGSK <b>Y</b> LATAST
1103	P02686	261	QRPFG <b>Y</b> GGRASD
1104	P02686	268	GGRASD <b>Y</b> KSAHKG
1105	P02730	58	PGTHKV <b>Y</b> VELQEL
1106	P02730	278	EAPHID <b>Y</b> TQLGRA
1107	P02730	299	VFRID <b>Y</b> MAQSRG
1108	P02730	347	ELLRRR <b>Y</b> QSSPAK
1109	P02730	390	RDIRRR <b>Y</b> PYYLSD
1110	P02730	392	IRRR <b>Y</b> PYYLSDIT
1111	P02730	393	RRR <b>Y</b> PYYLSDITD
1112	P02730	413	AAVIFI <b>Y</b> FAALSP
1113	P02730	486	ETNGLE <b>Y</b> IVGRVW
1114	P02730	519	VRFISR <b>Y</b> TQEIFS
1115	P02730	534	ISLIFI <b>Y</b> ETFSKL
1116	P02730	553	HPLQKT <b>Y</b> NYNVLM
1117	P02730	555	LQKT <b>Y</b> NYNVLMVP
1118	P02730	596	KFKNSS <b>Y</b> FPGKLR
1119	P02730	628	FFIQDT <b>Y</b> TQKLSV
1120	P02730	794	LFGIFL <b>Y</b> MGVTSL
1121	P02730	818	LFKPPK <b>Y</b> HPDVPY
1122	P02730	824	YHPDVP <b>Y</b> VKRVKT
1123	P02741	37	KESDTS <b>Y</b> VSLKAP
1124	P02741	72	GYSIFS <b>Y</b> ATKRQD
1125	P02741	91	WSKDIG <b>Y</b> SFTVGG
1126	P02745	84	NPGKV <b>Y</b> PGPSGP
1127	P02745	144	TNQEEP <b>Y</b> QNHSGR
1128	P02745	227	PKKGHI <b>Y</b> QGSEAD
1129	P02746	153	TNMNN <b>Y</b> EPRSGK
1130	P02746	200	VVTFCD <b>Y</b> AYNTFQ
1131	P02746	202	TFCD <b>Y</b> AYNTFQVT
1132	P02751	937	ESAVTG <b>Y</b> RVDVIP
1133	P02751	1248	EYNVSV <b>Y</b> TVKDDK
1134	P02751	1519	DYTITV <b>Y</b> AVTGRG
1135	P02763	109	NGTISR <b>Y</b> VGGQEH
1136	P02763	128	LRDTKT <b>Y</b> MLAFDV
1137	P02763	160	EQLGEF <b>Y</b> EALDCL
1138	P02765	56	QNLPGW <b>Y</b> KHTLNQ
1139	P02765	129	GKFSV <b>Y</b> AKCDSS
1140	P02765	227	LLAEK <b>Y</b> GFCKAT
1141	P02766	89	EFVEGI <b>Y</b> KVEIDT
1142	P02766	125	DSGPRR <b>Y</b> TIAALL
1143	P02766	134	AALLSP <b>Y</b> SYSTTA
1144	P02768	365	ARRHPD <b>Y</b> SVVLLL
1145	P02768	377	LRLAKT <b>Y</b> ETTLEK
1146	P02768	476	MPCAED <b>Y</b> LSVVLN
1147	P02771	60	FVQEAT <b>Y</b> KEVSKM
1148	P02771	151	VTSCAE <b>Y</b> EEDRET
1149	P02771	377	LRVAKG <b>Y</b> QELLEK

1150	P02786	88	MIGYLG <b>Y</b> CKGVEP
1151	P02786	168	DENLAL <b>Y</b> VENQFR
1152	P02786	247	KDFEDL <b>Y</b> TPVNGS
1153	P02788	112	QPRTHY <b>Y</b> AVAVVK
1154	P02788	417	MSLDGG <b>Y</b> VYTAGK
1155	P02788	681	KTTYEK <b>Y</b> LGPQYV
1156	P02792	29	LYLQAS <b>Y</b> TYLSLG
1157	P02792	31	LQASYT <b>Y</b> LSLGFY
1158	P02792	165	EAGLGE <b>Y</b> LFERLT
1159	P02808	35	RIGRFG <b>Y</b> GYGPYQ
1160	P02808	37	GRFGY <b>Y</b> GPYQPV
1161	P02808	49	VPEQPL <b>Y</b> PQPYQP
1162	P02814	30	RGPRGP <b>Y</b> PPGPLA
1163	P02814	54	PPPPPP <b>Y</b> GPGRIP
1164	P02814	67	PPPPAP <b>Y</b> GPGIFP
1165	P02818	52	VKRPRR <b>Y</b> LYQWLG
1166	P02818	54	RPRRYL <b>Y</b> QWLGAP
1167	P02818	63	LGAPVP <b>Y</b> PDPLEP
1168	P03372	43	RPLGEV <b>Y</b> LDSSKP
1169	P03372	52	SSKPAV <b>Y</b> NYPEGA
1170	P03372	54	KPAVYN <b>Y</b> PEGAAY
1171	P03372	60	YPEGAA <b>Y</b> EFNAAA
1172	P03372	73	AANAQV <b>Y</b> GQTGLP
1173	P03372	80	GQTGLP <b>Y</b> GPGSEA
1174	P03372	130	HGQQVP <b>Y</b> YLENEP
1175	P03372	131	GQQVPY <b>Y</b> LENEPS
1176	P03372	139	ENEPSG <b>Y</b> TVREAG
1177	P03372	150	AGPPAF <b>Y</b> RPNSDN
1178	P03372	184	SAKETRY <b>Y</b> CAVCND
1179	P03372	191	CAVCND <b>Y</b> ASGYHY
1180	P03372	195	NDYASG <b>Y</b> HYGVWS
1181	P03372	197	YASGYH <b>Y</b> GVWSCE
1182	P03372	219	IQGHND <b>Y</b> MCPATN
1183	P03372	246	CRLRK <b>Y</b> EVGMMK
1184	P03372	328	AEPPIL <b>Y</b> SEYDPT
1185	P03372	331	PILYSE <b>Y</b> DPTRPF
1186	P03372	459	LLNSGV <b>Y</b> TFLSST
1187	P03372	526	KGMEHL <b>Y</b> SMCKKN
1188	P03372	582	SHSLQK <b>Y</b> YITGEA
1189	P03372	583	HSLQKY <b>Y</b> ITGEAE
1190	P03950	30	AQDNSR <b>Y</b> THFLTQ
1191	P03950	49	QGRDDR <b>Y</b> CESIMR
1192	P03950	118	PWPPCQ <b>Y</b> RATAGF
1193	P03956	37	VDLVQK <b>Y</b> LEKYYN
1194	P03956	41	QKYLEK <b>Y</b> YNLKND
1195	P03956	42	KYLEKY <b>Y</b> NLKNDG
1196	P03956	116	EQTHLT <b>Y</b> RIENYT
1197	P03956	121	TYRIEN <b>Y</b> TPDLPR
1198	P03956	210	TNNFRE <b>Y</b> NLHRVA
1199	P03956	237	DIGALM <b>Y</b> PSYTFS
1200	P03956	240	ALMYP <b>Y</b> TFSGDV
1201	P03956	260	DGIQAI <b>Y</b> GRSQNP
1202	P03956	302	FFKDRF <b>Y</b> MRTNPF
1203	P03956	309	MRTNPF <b>Y</b> PEVELN
1204	P03956	332	NGLEAA <b>Y</b> EFADRD
1205	P03956	348	FFKGNK <b>Y</b> WAVQGQ
1206	P03956	365	GYPKDI <b>Y</b> SSF GFP
1207	P03956	390	ENTGKT <b>Y</b> FFVANK

1208	P03956	397	FFVANK <b>Y</b> WRYDEY
1209	P03956	400	ANKYWR <b>Y</b> DEYKRS
1210	P03956	403	YWRYDE <b>Y</b> KRSMDP
1211	P03956	411	RSMDPG <b>Y</b> PKMIAH
1212	P03956	437	MKDGGF <b>Y</b> FFHGT
1213	P03956	445	FHGTRQ <b>Y</b> KFDPKT
1214	P03999	35	APVWAF <b>Y</b> LQAAFM
1215	P03999	99	VASCNG <b>Y</b> FVFGRH
1216	P03999	189	SCGPDW <b>Y</b> TVGTKY
1217	P04001	116	SVVNQV <b>Y</b> GYFVLG
1218	P04001	194	IFGWSR <b>Y</b> WPHGLK
1219	P04001	284	CFCWGP <b>Y</b> AFFACF
1220	P04004	75	TMPED <b>Y</b> TVYDDG
1221	P04004	181	FRGQYC <b>Y</b> ELDEKA
1222	P04004	379	HRNRKG <b>Y</b> RSQRGH
1223	P04070	344	LVTGWG <b>Y</b> HSSREK
1224	P04070	432	CGLLHN <b>Y</b> GVYTKV
1225	P04070	441	YTKVSR <b>Y</b> LDWIHG
1226	P04075	59	EENRRF <b>Y</b> RQLLLT
1227	P04075	204	DLKRCQ <b>Y</b> VTEKVL
1228	P04075	343	LACQGK <b>Y</b> TPSGQA
1229	P04083	39	GSAVSP <b>Y</b> PTFNPS
1230	P04083	84	QQIKA <b>Y</b> LQETGK
1231	P04083	156	RDINRV <b>Y</b> REELKR
1232	P04083	207	SDARAL <b>Y</b> EAGERR
1233	P04083	230	ILTTRS <b>Y</b> PQLRRV
1234	P04083	240	RRVFQK <b>Y</b> TKYSKH
1235	P04083	243	FQKYTK <b>Y</b> SKHDMN
1236	P04083	315	NDIKAF <b>Y</b> QKMYGI
1237	P04083	319	AFYQKM <b>Y</b> GISLCQ
1238	P04083	335	DETKGD <b>Y</b> EKILVA
1239	P04090	150	SPSELK <b>Y</b> LGLDTH
1240	P04090	164	RKKRQL <b>Y</b> SALANK
1241	P04114	740	LVDHFG <b>Y</b> TKDDKH
1242	P04114	3074	IDFLNN <b>Y</b> ALFLSP
1243	P04114	4509	SDQLSD <b>Y</b> YEKFIA
1244	P04150	478	NCPACR <b>Y</b> RKCLQA
1245	P04150	663	QVS <b>Y</b> EEYLCMKTL
1246	P04150	693	DEIRMT <b>Y</b> IKELGK
1247	P04179	19	LAPALG <b>Y</b> LGSRQK
1248	P04179	33	SLPDLP <b>Y</b> DYGALE
1249	P04179	193	HAYYLQ <b>Y</b> KNVRPD
1250	P04181	78	DVEGRK <b>Y</b> FDFLSS
1251	P04181	133	ITKLFN <b>Y</b> HKVLPM
1252	P04181	323	GEHGST <b>Y</b> GGNPLG
1253	P04183	48	RFQIAQ <b>Y</b> KCLVIK
1254	P04183	61	YAKDTR <b>Y</b> SSSFCT
1255	P04183	162	CFREAA <b>Y</b> TKRLGT
1256	P04198	36	PDEDDF <b>Y</b> FGGPDS
1257	P04198	338	YAAPSP <b>Y</b> VESEDA
1258	P04198	429	LKKATE <b>Y</b> VHSLQA
1259	P04264	11	FSSRS <b>Y</b> RSGGGF
1260	P04264	373	AEAESL <b>Y</b> QSKYEE
1261	P04264	566	GSGGGS <b>Y</b> GSGGGG
1262	P04406	49	MVYMFQ <b>Y</b> DSTHGK
1263	P04406	314	VKLISW <b>Y</b> DNEFGY
1264	P04406	320	YDNEFG <b>Y</b> SNRVVD
1265	P04424	30	FNASIA <b>Y</b> DRHLWE

1266	P04424	263	AEDLIL <b>Y</b> CTKEFS
1267	P04424	375	LATDLA <b>Y</b> YLVRKG
1268	P04626	50	DMLRHL <b>Y</b> QGCQVV
1269	P04626	64	GNLELT <b>Y</b> LPTNAS
1270	P04626	83	IQEVQ <b>Y</b> VLIAHN
1271	P04626	112	QLFEDN <b>Y</b> ALAVLD
1272	P04626	274	CPALVT <b>Y</b> NTDTFE
1273	P04626	289	PNPEGR <b>Y</b> TFGASC
1274	P04626	301	CVTACP <b>Y</b> NYLSTD
1275	P04626	303	TACPYN <b>Y</b> LSTDVG
1276	P04626	343	PCARVC <b>Y</b> GLGMEH
1277	P04626	411	EITGYL <b>Y</b> ISAWPD
1278	P04626	554	QGLPRE <b>Y</b> VNARHC
1279	P04626	590	CVACAH <b>Y</b> KDPPFC
1280	P04626	685	QQKIRK <b>Y</b> TMRLL
1281	P04626	735	GAFGT <b>Y</b> KGIWIP
1282	P04626	772	EILDEA <b>Y</b> VMAGVG
1283	P04626	781	AGVGSP <b>Y</b> VSRLLG
1284	P04626	835	IAKGMS <b>Y</b> LEDVRL
1285	P04626	877	DIDETE <b>Y</b> HADGGK
1286	P04626	908	QSDVWS <b>Y</b> GVTVWE
1287	P04626	923	TFGAK <b>Y</b> DGIPAR
1288	P04626	952	ICTIDV <b>Y</b> MIMVKC
1289	P04626	1005	PLDSTF <b>Y</b> RSLLED
1290	P04626	1112	PSPLQR <b>Y</b> SEDPTV
1291	P04626	1127	PSETDG <b>Y</b> VAPLTC
1292	P04629	72	ENLTE <b>Y</b> LIENQQH
1293	P04629	359	HVNNGN <b>Y</b> TLLAAN
1294	P04629	591	LLMVFE <b>Y</b> MRHGD
1295	P04629	640	VAAGMV <b>Y</b> LAGLHF
1296	P04629	701	PPESIL <b>Y</b> RKFTE
1297	P04629	723	LWEIFT <b>Y</b> GKQPWY
1298	P04629	729	YGKQPW <b>Y</b> QLSNTE
1299	P04629	757	ACPPEV <b>Y</b> AIMRGC
1300	P04632	178	KRWQAI <b>Y</b> KQFDTD
1301	P04632	210	HLNEHL <b>Y</b> NMIIRR
1302	P04632	217	NMIIRR <b>Y</b> SDESGN
1303	P04637	103	VPSQKT <b>Y</b> QGSYGF
1304	P04637	205	GNLRVE <b>Y</b> LDDRNT
1305	P04637	220	HSVVP <b>Y</b> EPPEVG
1306	P04745	82	RYQPVS <b>Y</b> KLCTRS
1307	P04745	197	RSKIAE <b>Y</b> MNHLID
1308	P04745	348	FMLAHP <b>Y</b> GFTRVM
1309	P04792	54	GSSWPG <b>Y</b> VRPLPP
1310	P04792	73	AVAAP <b>Y</b> SRALSR
1311	P04792	133	RQDEHG <b>Y</b> ISRCFT
1312	P05060	142	EPQWSL <b>Y</b> PSDSQV
1313	P05060	173	EEEGEN <b>Y</b> QKGERG
1314	P05060	332	DHHSTH <b>Y</b> RASEEE
1315	P05060	341	SEEEPE <b>Y</b> GEEIKG
1316	P05060	348	GEEIKG <b>Y</b> PGVQAP
1317	P05060	362	DLEWER <b>Y</b> RGRGSE
1318	P05060	370	GRGSEE <b>Y</b> RAPRPQ
1319	P05060	389	EEDKRN <b>Y</b> PSLELD
1320	P05060	429	GGEPR <b>Y</b> AFMSDTR
1321	P05060	471	KELDRN <b>Y</b> LNYGEE
1322	P05060	474	DRNYLN <b>Y</b> GEEGAP
1323	P05060	506	RFQDKQ <b>Y</b> SSHHTA



1324	P05060	525	GELFNP <b>Y</b> YDPLQW
1325	P05060	526	ELFNPY <b>Y</b> DPLQWK
1326	P05060	566	KNFFPE <b>Y</b> NYDWWE
1327	P05060	568	FFPEYN <b>Y</b> DWWEKK
1328	P05060	584	EDVNWG <b>Y</b> EKRNLA
1329	P05060	601	LDLKRQ <b>Y</b> DRVAQL
1330	P05060	613	LDQLLH <b>Y</b> RKKSAE
1331	P05060	624	AEFPDF <b>Y</b> DSEEPV
1332	P05067	72	KEGILQ <b>Y</b> CQEVYP
1333	P05067	77	QYCQEV <b>Y</b> PELQIT
1334	P05067	115	PHFVIP <b>Y</b> RCLVGE
1335	P05067	168	STNLHD <b>Y</b> GMLLPC
1336	P05067	217	GGADTD <b>Y</b> ADGSED
1337	P05067	262	EEAEEP <b>Y</b> EEATER
1338	P05067	308	AMISRW <b>Y</b> FDVTEG
1339	P05067	321	KCAPFF <b>Y</b> GGCGGN
1340	P05067	336	NFDTEE <b>Y</b> CMAVCG
1341	P05067	378	PDAVDK <b>Y</b> LETPGD
1342	P05067	476	RLALEN <b>Y</b> ITALQA
1343	P05067	538	THLRVI <b>Y</b> ERMNQS
1344	P05067	549	QSLSL <b>Y</b> LNVPABA
1345	P05067	572	LQKEQN <b>Y</b> SDDVLA
1346	P05067	588	SEPRIS <b>Y</b> GNDALM
1347	P05067	681	FRHDSG <b>Y</b> EVHHQK
1348	P05067	728	MLKKKQ <b>Y</b> TSIHGG
1349	P05067	762	GYENPT <b>Y</b> KFFEQM
1350	P05090	42	NFDVNK <b>Y</b> LGRWYE
1351	P05090	66	RCIQAN <b>Y</b> SLMENG
1352	P05090	125	WILATD <b>Y</b> ENYALV
1353	P05106	136	VRQVED <b>Y</b> PVDIYY
1354	P05106	141	DYPVDI <b>Y</b> YLMDLS
1355	P05106	142	YPVDI <b>Y</b> YLMDLSY
1356	P05106	148	YLMDL <b>Y</b> SMKDDL
1357	P05106	190	DKPVSP <b>Y</b> MYISPP
1358	P05106	192	PVSPY <b>Y</b> ISPPEA
1359	P05106	204	ALENPC <b>Y</b> DMKTTC
1360	P05106	216	CLPMFG <b>Y</b> KHVLTL
1361	P05106	307	VGSDNH <b>Y</b> SASTTM
1362	P05106	315	ASTTMD <b>Y</b> PSLGLM
1363	P05106	344	ENVVNL <b>Y</b> QNYSEL
1364	P05106	347	VNLYQ <b>Y</b> NYSELIPG
1365	P05106	374	QLIVDA <b>Y</b> GKIRSK
1366	P05106	504	ECSEED <b>Y</b> RPSQQD
1367	P05106	546	GKITGK <b>Y</b> CECDDF
1368	P05106	557	DFSCVR <b>Y</b> KGEMCS
1369	P05106	582	DSDWTG <b>Y</b> YCNCTT
1370	P05106	583	SDWTGY <b>Y</b> CNCTTR
1371	P05106	620	CIQPGS <b>Y</b> GDTCEK
1372	P05106	660	ENTCN <b>Y</b> RDEIE
1373	P05106	683	DAVNCT <b>Y</b> KNEDDC
1374	P05106	695	CVVRFQ <b>Y</b> YEDSSG
1375	P05106	696	VVRFQ <b>Y</b> YEDSSGK
1376	P05106	706	SGKSIL <b>Y</b> VVEEPE
1377	P05107	130	GYPIDL <b>Y</b> YLMDLS
1378	P05107	293	HLEDNL <b>Y</b> KRSNEF
1379	P05107	735	LSDLRE <b>Y</b> RRFEKE
1380	P05109	16	NSIIDV <b>Y</b> HKYSLI
1381	P05109	30	GNFHAV <b>Y</b> RDDLKK

1382	P05109	45	ETEC <b>PQY</b> IRKKGA
1383	P05161	96	KGRSST <b>Y</b> EVRLTQ
1384	P05161	140	QLPLGE <b>Y</b> GLKPLS
1385	P05164	462	IITYRD <b>Y</b> LPLVLG
1386	P05164	516	FRLDNR <b>Y</b> QPMEPN
1387	P05164	634	RKLMEQ <b>Y</b> GTPNNI
1388	P05231	59	IDKQIR <b>Y</b> ILDGIS
1389	P05231	125	LLEFEV <b>Y</b> LEYLQN
1390	P05231	128	FEVYLE <b>Y</b> LQNRFE
1391	P05386	11	SELACI <b>Y</b> SALILH
1392	P05412	10	KMETTF <b>Y</b> DDALNA
1393	P05412	26	PSESGP <b>Y</b> GYSNPK
1394	P05412	170	HSEPPV <b>Y</b> ANLSNF
1395	P05451	43	PEGTNA <b>Y</b> RSYCY
1396	P05451	121	SGSLVS <b>Y</b> KSWGIG
1397	P05451	136	SSVNPG <b>Y</b> CVSLTS
1398	P05455	23	ICHQIE <b>Y</b> YFGDFN
1399	P05455	104	PEVTDE <b>Y</b> KNDVKN
1400	P05455	188	ILFKDD <b>Y</b> FAKKNE
1401	P05546	193	VNASSK <b>Y</b> EITTIH
1402	P05546	216	FRRNFG <b>Y</b> TLRSVN
1403	P05546	349	DILQLE <b>Y</b> VGGISM
1404	P05549	11	LTDNIK <b>Y</b> EDCEDR
1405	P05549	62	PYFPPP <b>Y</b> QPIYPQ
1406	P05549	66	PPYQPI <b>Y</b> PQSQDP
1407	P05771	109	KFKIHT <b>Y</b> SSPTFC
1408	P05771	368	KGTDEL <b>Y</b> AVKILK
1409	P05771	464	QSKGII <b>Y</b> RDLKLD
1410	P05783	24	SVQAPS <b>Y</b> GARPVS
1411	P05783	36	SSAASV <b>Y</b> AGAGGS
1412	P05783	363	QRQAQE <b>Y</b> EALLNI
1413	P05813	93	ILERGE <b>Y</b> PRWDAW
1414	P05813	176	CYQYPG <b>Y</b> RGYQYI
1415	P05813	192	DHHGGD <b>Y</b> KHWREW
1416	P05814	56	EHQDKI <b>Y</b> PSFQPQ
1417	P05814	186	PQQVVP <b>Y</b> PQRAVP
1418	P05814	211	NPTHQI <b>Y</b> PVTQPL
1419	P05997	48	TQNGQM <b>Y</b> LNARDIW
1420	P05997	1374	RGSQFA <b>Y</b> GDHQSP
1421	P05997	1403	ASQNIT <b>Y</b> ICKNSV
1422	P06213	30	GAAGHL <b>Y</b> PGEVCP
1423	P06213	118	SRLFFN <b>Y</b> ALVIFE
1424	P06213	134	LKELGL <b>Y</b> NLMNIT
1425	P06213	154	KNNELC <b>Y</b> LATIDW
1426	P06213	171	DSVEDN <b>Y</b> IVLNKD
1427	P06213	259	VACRNF <b>Y</b> LDGRCV
1428	P06213	273	TCPPPY <b>Y</b> HFQDWR
1429	P06213	304	RQGCHQ <b>Y</b> VIHNNK
1430	P06213	394	IEEISG <b>Y</b> LKIRRS
1431	P06213	519	LLRWE <b>Y</b> WPDPFR
1432	P06213	589	LKPWTQ <b>Y</b> AIFVKT
1433	P06213	606	SDERRT <b>Y</b> GAKSDI
1434	P06213	614	AKSDII <b>Y</b> VQTDAT
1435	P06213	673	ELFELD <b>Y</b> CLKGLK
1436	P06213	735	RKTFED <b>Y</b> LHNVVF
1437	P06213	818	LRHFTG <b>Y</b> RIELQA
1438	P06213	884	NGLIVL <b>Y</b> EVSYRR
1439	P06213	888	VLYEVS <b>Y</b> RRYGDE

1440	P06213	941	SWTEPT <b>Y</b> FYVTDY
1441	P06213	976	VVIGSI <b>Y</b> LFLRKR
1442	P06213	1038	GSFGMV <b>Y</b> EGNARD
1443	P06213	1149	IADGMA <b>Y</b> LNAKKF
1444	P06213	1237	SLAEQP <b>Y</b> QGLSNE
1445	P06213	1254	FVMDGG <b>Y</b> LDQPDN
1446	P06276	61	AFLGIP <b>Y</b> AQPPLG
1447	P06276	174	IVVSMN <b>Y</b> RVGALG
1448	P06276	265	WAVTSL <b>Y</b> EARNRT
1449	P06307	65	GALLAR <b>Y</b> IQQARK
1450	P06307	97	RISDRD <b>Y</b> MGWMDF
1451	P06396	95	FFTGD <b>Y</b> AVILKTV
1452	P06396	110	RNGNLQ <b>Y</b> DLHYWL
1453	P06396	114	LQYDLH <b>Y</b> WLGNEC
1454	P06396	138	TVQLDD <b>Y</b> LNGRAV
1455	P06396	160	SATFLG <b>Y</b> FKSGLK
1456	P06396	167	FKSGLK <b>Y</b> KKGGVA
1457	P06396	235	GSNSNR <b>Y</b> ERLKAT
1458	P06396	301	RKLAKL <b>Y</b> KVSNGA
1459	P06396	371	FITKMD <b>Y</b> PKQTQV
1460	P06396	469	ATYGQF <b>Y</b> GGDSYI
1461	P06396	474	FYGGDS <b>Y</b> IILYNY
1462	P06396	478	DSYIIL <b>Y</b> NYRHGG
1463	P06396	480	YIILYN <b>Y</b> RHGGRQ
1464	P06396	491	RQGQII <b>Y</b> NWQGAQ
1465	P06396	547	GKPMII <b>Y</b> KGGTSR
1466	P06396	730	LTSAKR <b>Y</b> IETDPA
1467	P06396	767	LGWDDD <b>Y</b> WSVDPL
1468	P06400	529	LKAADF <b>Y</b> KVIESF
1469	P06400	655	LFYKKV <b>Y</b> RLAYLR
1470	P06400	749	LIKEEE <b>Y</b> DSIIVF
1471	P06401	329	LLEDES <b>Y</b> DGGAGA
1472	P06401	579	EASGCH <b>Y</b> GVLTCT
1473	P06401	777	VSGQML <b>Y</b> FAPDLI
1474	P06702	22	INTFHQ <b>Y</b> SVKLGH
1475	P06730	34	VANPEH <b>Y</b> IKHPLQ
1476	P06730	91	LMPGCD <b>Y</b> SLFKDG
1477	P06730	145	GESFDD <b>Y</b> SDDVCG
1478	P06733	44	GASTGI <b>Y</b> EALRLR
1479	P06733	257	FFRSGK <b>Y</b> DLDFKS
1480	P06733	407	SERLAK <b>Y</b> NQLLRI
1481	P06737	75	IRTQQH <b>Y</b> YDKCPK
1482	P06737	156	TLGLAA <b>Y</b> GYGIRY
1483	P06737	768	IINMLF <b>Y</b> HDRFKV
1484	P06744	174	TEALKP <b>Y</b> SSGGPR
1485	P06744	327	ALLGIW <b>Y</b> INCFGC
1486	P06744	344	MLPYDQ <b>Y</b> LHRFAA
1487	P06746	36	SQAIHK <b>Y</b> NAYRKA
1488	P06746	142	QRIGLK <b>Y</b> FGDFEK
1489	P06746	266	IPKDQ <b>Y</b> YCGVLYF
1490	P06748	17	PLRPQN <b>Y</b> LFGCEL
1491	P06748	29	LKADKD <b>Y</b> HFKVDN
1492	P06748	67	EAEAMN <b>Y</b> EGSPIK
1493	P06850	72	LRMGEE <b>Y</b> FLRLGN
1494	P07101	230	GFSDQV <b>Y</b> RQRRKL
1495	P07101	401	EKLSTL <b>Y</b> WFTVEF
1496	P07101	478	KDKLRS <b>Y</b> ASRIQR
1497	P07108	29	EEMLF <b>Y</b> IGHYKQA

1498	P07108	32	LFIYGH <b>Y</b> KQATVG
1499	P07108	74	EDAMKA <b>Y</b> INKVEE
1500	P07195	84	IVADKD <b>Y</b> SVTANS
1501	P07195	173	DSARFR <b>Y</b> LMAEKL
1502	P07195	240	MVVESAY <b>Y</b> EVIKLK
1503	P07199	74	TNKLSP <b>Y</b> DKLEGL
1504	P07199	490	GGSFGA <b>Y</b> GAQEEA
1505	P07199	550	FGEAMAY <b>Y</b> FAMVKR
1506	P07204	193	AAVSIT <b>Y</b> GTPFAA
1507	P07204	355	CHCYPN <b>Y</b> DLVDGE
1508	P07204	552	ARAKME <b>Y</b> KCAAPS
1509	P07225	182	DNTPGS <b>Y</b> HCCKN
1510	P07225	263	VNYPGG <b>Y</b> TCYCDG
1511	P07225	312	FAGVVL <b>Y</b> LKFRLP
1512	P07305	28	STDHPK <b>Y</b> SDMIVA
1513	P07305	53	RQSIQK <b>Y</b> IKSHYK
1514	P07305	58	KYIKSH <b>Y</b> KVGENA
1515	P07311	12	TLISVD <b>Y</b> EIFGKV
1516	P07332	44	VKSDRE <b>Y</b> AGLLHH
1517	P07332	116	QQLRKT <b>Y</b> SEQWQQ
1518	P07332	142	EKLKSQ <b>Y</b> RALARD
1519	P07332	156	AQAKRK <b>Y</b> QEASKD
1520	P07332	172	DKAKDK <b>Y</b> VRSLWK
1521	P07332	186	FAHHNR <b>Y</b> VLGVRA
1522	P07332	230	KEILQE <b>Y</b> LEISSL
1523	P07332	268	QGFLRQ <b>Y</b> GSAPDV
1524	P07332	461	LHEQLW <b>Y</b> HGAIPR
1525	P07332	491	SQGKQE <b>Y</b> VLSVLW
1526	P07332	513	QSLDNL <b>Y</b> RLEGE
1527	P07332	614	ARILKQ <b>Y</b> SHPNIV
1528	P07332	633	TQKQPI <b>Y</b> IVMELV
1529	P07332	673	AAAGME <b>Y</b> LESKCC
1530	P07332	734	APEALN <b>Y</b> GRYSSE
1531	P07332	737	ALNYGR <b>Y</b> SSES
1532	P07332	761	SLGASP <b>Y</b> PNLSNQ
1533	P07332	799	MEQCWA <b>Y</b> EPGQRP
1534	P07332	811	PSFSTI <b>Y</b> QELQSI
1535	P07333	61	SPHWTL <b>Y</b> SDGSSS
1536	P07333	100	SAAIHL <b>Y</b> VKDPAR
1537	P07333	154	LMRHTN <b>Y</b> SFSPWH
1538	P07333	257	DFHNNR <b>Y</b> QKVLTL
1539	P07333	276	FQHAGN <b>Y</b> SCVASN
1540	P07333	300	RVVESAY <b>Y</b> LNLSSE
1541	P07333	328	KVMVEA <b>Y</b> PGLQGF
1542	P07333	338	QGFNWT <b>Y</b> LGPFSD
1543	P07333	360	ATTKDT <b>Y</b> RHTFTL
1544	P07333	379	PSEAGR <b>Y</b> SFLARN
1545	P07333	400	FELTLR <b>Y</b> PEVSV
1546	P07333	424	LCAASG <b>Y</b> PQPNVT
1547	P07333	454	QVWDDP <b>Y</b> PEVLSQ
1548	P07333	483	LEHNQT <b>Y</b> ECRAHN
1549	P07333	538	LLLLLL <b>Y</b> KYKQKP
1550	P07333	540	LLLLLY <b>Y</b> KQKPKY
1551	P07333	571	DPTQLP <b>Y</b> NEKWEF
1552	P07333	665	VLVITE <b>Y</b> CCYGDL
1553	P07333	668	ITEYCC <b>Y</b> GDLLNF
1554	P07333	832	SIFDCV <b>Y</b> TVQSDV
1555	P07333	841	QSDVWS <b>Y</b> GILLWE

1556	P07333	856	SLGLNP <b>Y</b> PGILVN
1557	P07333	866	LVNSKF <b>Y</b> KLVKDG
1558	P07333	873	KLVKDG <b>Y</b> QMAQPA
1559	P07358	196	VLDHRY <b>Y</b> AGGCSP
1560	P07358	315	RSLMLH <b>Y</b> EFLQRV
1561	P07358	538	LACEVS <b>Y</b> RKNTPI
1562	P07359	146	GELQEL <b>Y</b> LKGNEL
1563	P07359	244	DNAENV <b>Y</b> VWKQGV
1564	P07359	294	DTDLYD <b>Y</b> YPEEDT
1565	P07360	103	WQVRQL <b>Y</b> GDTGVL
1566	P07360	132	VVAETD <b>Y</b> QSFAVL
1567	P07360	181	TEDQIF <b>Y</b> FPKYGF
1568	P07492	38	TVLT <b>Y</b> KM <b>Y</b> PRGNHW
1569	P07492	74	KQQLRE <b>Y</b> IRWEEA
1570	P07550	70	LQTVTN <b>Y</b> FITSLA
1571	P07550	132	VIAVDR <b>Y</b> FAITSP
1572	P07550	174	PIQMH <b>Y</b> WRATHQE
1573	P07550	185	QEAINC <b>Y</b> ANETCC
1574	P07550	199	FFTNQ <b>Y</b> AIASSI
1575	P07550	209	SSIVSF <b>Y</b> VPLVIM
1576	P07550	219	VIMV <b>Y</b> FSRVFQE
1577	P07550	308	LIRKEV <b>Y</b> ILLNWI
1578	P07550	316	LLNWIG <b>Y</b> VNSGFN
1579	P07550	326	GFNPLI <b>Y</b> CRSPDF
1580	P07550	350	RSSLK <b>Y</b> AGNGYSS
1581	P07550	354	KAYGNG <b>Y</b> SSNGNT
1582	P07550	366	TGEQSG <b>Y</b> HVEQEK
1583	P07737	25	DAAIVG <b>Y</b> KDSPSV
1584	P07737	60	KDRSSF <b>Y</b> VNGLTL
1585	P07737	129	LINKKC <b>Y</b> EMASHL
1586	P07741	60	HGGRID <b>Y</b> IAGLDS
1587	P07741	101	PTLWAS <b>Y</b> SLEYGK
1588	P07741	105	ASYSLE <b>Y</b> GKAELE
1589	P07766	36	GITQTP <b>Y</b> KVSISG
1590	P07766	52	ILTCPQ <b>Y</b> PGSEIL
1591	P07766	95	ELEQSG <b>Y</b> YVCYPR
1592	P07766	96	LEQSG <b>Y</b> YVCYPRG
1593	P07766	99	SGYYVC <b>Y</b> PRGSKP
1594	P07766	111	PEDANF <b>Y</b> LYLRAR
1595	P07766	113	DANFY <b>Y</b> LYLRARVC
1596	P07766	149	GLLLLV <b>Y</b> YWSKNR
1597	P07766	150	LLLLV <b>Y</b> YWSKNRK
1598	P07814	374	GNKYNV <b>Y</b> PTYDFA
1599	P07814	1047	HDISGC <b>Y</b> ILRPWA
1600	P07814	1330	IAKCND <b>Y</b> RRRLLS
1601	P07900	139	QFGVGF <b>Y</b> SAYLVA
1602	P07900	381	EELIPE <b>Y</b> LNFI
1603	P07900	493	NQKH <b>Y</b> YITGETK
1604	P07910	57	GFAFVQ <b>Y</b> VNERNA
1605	P07910	105	RSAAEM <b>Y</b> GSVTEH
1606	P07910	137	DYYDRM <b>Y</b> SYPARV
1607	P07947	16	KSPA <b>Y</b> IK <b>Y</b> RPENTP
1608	P07947	85	SVVPSS <b>Y</b> PAGLTG
1609	P07947	100	TIFVAL <b>Y</b> DYEART
1610	P07947	102	FVALYD <b>Y</b> EARTTE
1611	P07947	141	ATGKNG <b>Y</b> IPSNYV
1612	P07947	146	GYIPSN <b>Y</b> VAPADS
1613	P07947	159	IQAE <b>Y</b> EW <b>Y</b> FGKMGR

1614	P07947	194	ETTKGAYSLSIRD
1615	P07947	212	GDNVKHYKIRKLD
1616	P07947	222	KLDNGGYITTRA
1617	P07947	223	LDNGGYITTRAQ
1618	P07947	240	QKLVKHYTEHADG
1619	P07947	367	KEGDGKYLKLPQL
1620	P07947	386	IADGMAIYIERMNY
1621	P07947	392	YIERMNYIHRDLR
1622	P07947	473	TKGRVPYPGMVNR
1623	P07947	489	EQVERGYRMPCPQ
1624	P07947	521	ERPTFEYIQSFLE
1625	P07947	529	QSFLEDYFTATEP
1626	P07949	30	KVALGLYFSRDAY
1627	P07949	36	YFSRDAYWEKLYV
1628	P07949	52	AGTPLLYVHALRD
1629	P07949	73	RLGQHLYGTYRTR
1630	P07949	76	QHLYGTYRTRLHE
1631	P07949	96	EDTGLLYLNRLD
1632	P07949	122	FPLLTLYLKVFLS
1633	P07949	146	PGCARVYFSFFNT
1634	P07949	204	PNISVAYRLLEGE
1635	P07949	237	REQREKYELVAVC
1636	P07949	263	PPFVTVYDEDDSA
1637	P07949	314	GELVRRYTSTLLP
1638	P07949	440	SGINVQYKLHSSG
1639	P07949	483	KCAELHYMVVATD
1640	P07949	508	VTVEGSYVAEEAG
1641	P07949	606	RGIKAGYGTNCNF
1642	P07949	687	QAFPVSYSSSGAR
1643	P07949	752	LKGRAGYTTVAVK
1644	P07949	791	PHVIKLYGACSQD
1645	P07949	826	RKVGPGYLGSGGS
1646	P07949	864	ISQGMQYLAEMKL
1647	P07949	928	SLFDHIYTTQSDV
1648	P07949	952	TLGGNPYPGIPPE
1649	P07949	1029	PSDSLIIYDDGLSE
1650	P08047	327	FTNANSYSTTTTT
1651	P08047	608	EACTCPYCKDSEG
1652	P08047	662	FMCTWSYCGKRFT
1653	P08069	43	IDIRNDYQQLKRL
1654	P08069	73	AEDYRSYRFPKLT
1655	P08069	84	LTVITEYLLLFVRV
1656	P08069	113	RGWKLFYNYALVI
1657	P08069	131	LKDIGLYNLRNIT
1658	P08069	201	TTINNEYNYRCWT
1659	P08069	203	INNEYNYRCWTTN
1660	P08069	418	EQLEGNYSFYVLD
1661	P08069	517	RYRPPDYRDLISF
1662	P08069	526	LISFTVYYKEAPF
1663	P08069	538	FKNVTEYDGQDAC
1664	P08069	577	LKPWTQYAVYVKA
1665	P08069	656	RQPQDGYLYRHNY
1666	P08069	718	EKEEAEYRKVFEN
1667	P08069	763	TTAADTYNITDPE
1668	P08069	869	LMYEIKYGSQVED
1669	P08069	885	CVSRQYRKYGGA
1670	P08069	901	RLNPGNYTARIQA
1671	P08069	923	TDPVFFYVQAKTG

1672	P08069	930	VQAKTGYENFIHL
1673	P08069	987	FSAADVYVPDEWE
1674	P08069	1125	IADGMAYLNANKF
1675	P08069	1192	DGVFTTYSDVWSF
1676	P08069	1251	MRMCWQYNPKMRP
1677	P08151	312	EGCRKSYSRLENL
1678	P08151	373	PGCTKRYTDPSSL
1679	P08151	772	CPQQASYPDPTQE
1680	P08195	312	LDLTPNYRGNSW
1681	P08195	453	AQLRLLYQLMLFT
1682	P08195	468	GTPVFSYGDEIGL
1683	P08397	46	ATLKASYPGLQFE
1684	P08397	213	HPEECMYAVGQGA
1685	P08397	277	MKDGQLYLTGGVW
1686	P08493	76	REACDDYRLCERY
1687	P08493	86	ERYAMVYGYNAAY
1688	P08493	95	NAAYNRYFRKRRG
1689	P08514	402	DLDRDGYNDIAVA
1690	P08514	676	NEGEGAYEAE LAV
1691	P08514	968	NVSSLPYAVPPLS
1692	P08559	82	LKADQLYKQKIIR
1693	P08559	183	IALACKYNGKDEV
1694	P08559	208	GQIFEAYNMAALW
1695	P08567	130	IDLGALYLSMKDT
1696	P08567	189	SLNEGYYLQPAGD
1697	P08567	325	TADEVHYFLQAAT
1698	P08581	41	MNVNMKYQLPNFT
1699	P08581	69	FLGATNYIYVLNE
1700	P08581	71	GATNYIYVLNEED
1701	P08581	84	LQKVAEYKTGPVL
1702	P08581	125	ALVVDTYDDQLI
1703	P08581	205	NTINSSYFPDHPL
1704	P08581	234	FLTDQSYIDVLPE
1705	P08581	245	PEFRDSYPIKYVH
1706	P08581	249	DSYPIKYVHAFES
1707	P08581	291	NSGLHSYMEMPLE
1708	P08581	390	RCLQH FYGPNHEH
1709	P08581	416	EARRDEYRTEFTT
1710	P08581	566	ICLPAIYKVFPNS
1711	P08581	649	GHGTTQYSTFSYV
1712	P08581	681	LTLTGNYLNSGNS
1713	P08581	738	ETSIFS YREDPIV
1714	P08581	830	DGILSKYFDLIYV
1715	P08581	835	KYFDLIYVHNPVF
1716	P08581	971	GSELVRYDARVHT
1717	P08581	1093	GHFGCVYHGTLDD
1718	P08581	1159	PLVVLPYMKHGD L
1719	P08581	1194	VAKGMKY LASKKF
1720	P08581	1284	TRGAPPYPDVNTF
1721	P08581	1295	TFDITVYLLQGRR
1722	P08582	318	MFSSEAYGQKDLL
1723	P08582	348	AWLGHEY LHAMKG
1724	P08582	527	VNNPKNYPSSLCA
1725	P08697	167	RLAARMY LQKGFP
1726	P08697	273	MMQARTYPLRWFL
1727	P08697	340	VRLPKLY LKHQMD
1728	P08709	128	KDQLQSYICFCLP
1729	P08709	161	NGGCEQYCS DHTG



1730	P08709	437	VGHF <del>G</del> <del>V</del> <del>Y</del> TRVSQY
1731	P08833	181	PCRIEL <del>Y</del> RVVESL
1732	P08833	202	EEISK <del>F</del> <del>Y</del> LPNCKN
1733	P08833	212	CNKNG <del>F</del> <del>Y</del> HSRQCE
1734	P08833	232	GLCWC <del>V</del> <del>Y</del> PWNGKR
1735	P08842	236	FLGFL <del>H</del> <del>Y</del> FRPLNC
1736	P08842	257	IQQPMS <del>Y</del> DNLTQR
1737	P08842	286	FLLVL <del>S</del> <del>Y</del> LHVHTA
1738	P08865	37	DFQME <del>Q</del> <del>Y</del> IYKRKS
1739	P08865	39	QMEQ <del>Y</del> <del>I</del> <del>Y</del> KRKSDG
1740	P08865	47	RKSDG <del>I</del> <del>Y</del> IINLKR
1741	P08865	156	TDSPLR <del>Y</del> VDIAIP
1742	P08865	202	EVMPDL <del>Y</del> FYRDPE
1743	P08865	204	MPDLY <del>F</del> YRDPEEI
1744	P08949	111	PAPQIQ <del>Y</del> RRLLVQ
1745	P09012	31	ELKKSL <del>Y</del> AIFSQF
1746	P09012	78	MQGF <del>P</del> <del>F</del> <del>Y</del> DKPMRI
1747	P09012	86	KPMRI <del>Q</del> <del>Y</del> AKTDSD
1748	P09038	166	KDPKRL <del>Y</del> CKNGGF
1749	P09038	245	RLESNN <del>Y</del> NTYRSR
1750	P09038	248	SNNYNT <del>Y</del> RSRKYT
1751	P09038	253	TYRSRK <del>Y</del> TSWYVA
1752	P09038	257	RKYTSW <del>Y</del> VALKRT
1753	P09038	266	LKRTG <del>Q</del> <del>Y</del> KLGSKT
1754	P09211	8	PPYTVV <del>Y</del> FPVRGR
1755	P09211	50	LKASCL <del>Y</del> GQLPKF
1756	P09211	64	DGDLTL <del>Y</del> QSNTIL
1757	P09211	80	GRTLGL <del>Y</del> GKDQQE
1758	P09211	104	EDLRCK <del>Y</del> ISLIYT
1759	P09211	109	KYISLI <del>Y</del> TNYEAG
1760	P09211	112	SLIYT <del>N</del> <del>Y</del> EAGKDD
1761	P09211	119	EAGKDD <del>Y</del> VKALPG
1762	P09211	154	QISFAD <del>N</del> <del>Y</del> NLLDLL
1763	P09211	180	FPLLSA <del>Y</del> VGRLSA
1764	P09382	105	VKLPG <del>F</del> <del>Y</del> EFKFPN
1765	P09382	120	NLEAIN <del>Y</del> MAADGD
1766	P09417	16	ARRVLV <del>Y</del> GGRGAL
1767	P09417	150	TPGMIG <del>Y</del> GMAKGA
1768	P09493	162	EDADRK <del>Y</del> EEVARK
1769	P09493	214	EAQA <del>E</del> <del>K</del> <del>Y</del> SQKEDR
1770	P09493	261	DLEDEL <del>Y</del> AQKLKY
1771	P09603	38	TEEVSE <del>Y</del> CSHMIG
1772	P09603	81	LKDPVC <del>Y</del> LKKAFL
1773	P09603	139	ACVRTF <del>F</del> <del>Y</del> ETPLQL
1774	P09619	98	GLDTGE <del>F</del> <del>Y</del> FCTHND
1775	P09619	117	DERKRL <del>Y</del> IFVPDP
1776	P09619	188	IFEDRS <del>Y</del> ICKTTI
1777	P09619	204	EVDSDA <del>Y</del> YVYRLQ
1778	P09619	205	VDSDAY <del>Y</del> VYRLQV
1779	P09619	207	SDAYYV <del>Y</del> YRLQVSS
1780	P09619	249	VNFEWT <del>Y</del> PRKESG
1781	P09619	270	FLLDMP <del>Y</del> HIRSIL
1782	P09619	289	LEDSGT <del>Y</del> TCNVTE
1783	P09619	315	TVVESG <del>Y</del> VRLIGE
1784	P09619	343	QVVFEA <del>Y</del> PPPTVL
1785	P09619	377	NVSETR <del>Y</del> VSELTL
1786	P09619	394	VAEAGH <del>Y</del> TMRAFH
1787	P09619	482	LETNVT <del>Y</del> WEEEQE

1788	P09619	589	DPMQLP <b>Y</b> DSTWEL
1789	P09619	683	IYIITE <b>Y</b> CRYGDL
1790	P09619	692	YGDLDV <b>Y</b> LHRNKH
1791	P09619	800	ESPVLS <b>Y</b> MDLVGF
1792	P09619	808	DLVGFS <b>Y</b> QVANGM
1793	P09619	880	SIFNSL <b>Y</b> TTLSDV
1794	P09619	904	TLGGTP <b>Y</b> PELPMN
1795	P09619	914	PMNEQ <b>Y</b> NAIKRG
1796	P09619	921	NAIKRG <b>Y</b> MAQPA
1797	P09619	966	RLLGEG <b>Y</b> KKKYQQ
1798	P09693	134	VLAVG <b>Y</b> FIAGQD
1799	P09693	160	LPNDQL <b>Y</b> QPLKDR
1800	P09693	171	DREDDQ <b>Y</b> SHLQGN
1801	P09871	32	PNYPQ <b>Y</b> PSEVEK
1802	P09871	401	NGGGGE <b>Y</b> HCAGNG
1803	P09871	671	YTRVKN <b>Y</b> VDWIMK
1804	P09874	9	ESSDKL <b>Y</b> RVEYAK
1805	P09874	583	DDKENR <b>Y</b> WIFRSW
1806	P09874	889	EAPVTG <b>Y</b> MFGKGI
1807	P09917	43	LLDKPF <b>Y</b> NDFERG
1808	P09917	182	VDFVLN <b>Y</b> SKAMEN
1809	P09917	514	DFVNDV <b>Y</b> VYGMRG
1810	P09958	110	RTKRDV <b>Y</b> QEPTDP
1811	P09958	313	GYTNSI <b>Y</b> TLSISS
1812	P09958	560	TSEANN <b>Y</b> GTLTKE
1813	P09960	74	NGQEVK <b>Y</b> ALGERQ
1814	P09960	384	AYSSVP <b>Y</b> EKGFAI
1815	P09960	430	DWKDFL <b>Y</b> SYFKDK
1816	P0C0L4	581	VDGAKQ <b>Y</b> RNGESV
1817	P0C0L4	946	HREELV <b>Y</b> ELNPLD
1818	P0C0L4	1693	GLDGAT <b>Y</b> DLEGHP
1819	P0CG48	591	GRTLSD <b>Y</b> NIQKES
1820	P10070	296	PINPV <b>Y</b> QQILSQ
1821	P10070	1186	FGQYPG <b>Y</b> SPQGLQ
1822	P10070	1221	GIPRVN <b>Y</b> MQQLRQ
1823	P10071	933	YRLKAK <b>Y</b> AAATGG
1824	P10071	1254	PCKAPQ <b>Y</b> GNCLNR
1825	P10071	1383	LAVVRG <b>Y</b> QPCASF
1826	P10082	29	GALVDA <b>Y</b> PIKPEA
1827	P10082	48	PEELNR <b>Y</b> YASLRH
1828	P10082	55	YASLRH <b>Y</b> LNLVTR
1829	P10145	40	CQCIKT <b>Y</b> SKPFHP
1830	P10153	60	MQVINN <b>Y</b> QRRCKN
1831	P10153	125	NISNCR <b>Y</b> AQTPAN
1832	P10153	134	TPANMF <b>Y</b> IVACDN
1833	P10155	23	ANSQDG <b>Y</b> VWQVTD
1834	P10155	46	GSEGGT <b>Y</b> YIKEQK
1835	P10155	331	LIALET <b>Y</b> KTGHGL
1836	P10244	71	TDQQCQ <b>Y</b> RWLRVL
1837	P10244	201	DCKPPV <b>Y</b> LLLELE
1838	P10244	371	VPSVTE <b>Y</b> RLDGHT
1839	P10275	11	LGLGRV <b>Y</b> PRPPSK
1840	P10275	19	RPPSKT <b>Y</b> RGAFQN
1841	P10275	105	RRGPTG <b>Y</b> LVLDEE
1842	P10275	314	SPFKGG <b>Y</b> TKGLEG
1843	P10275	406	AAAQCR <b>Y</b> GDLASL
1844	P10275	445	AEEGQL <b>Y</b> GPCGGG
1845	P10275	480	AGAVAP <b>Y</b> GYTRPP

1846	P10275	482	AVAPYG <b>Y</b> TRPPQG
1847	P10275	503	TAPDVW <b>Y</b> PGGMVS
1848	P10275	513	MVSRVP <b>Y</b> PSPTCV
1849	P10275	530	GPWMDS <b>Y</b> SGPYGD
1850	P10275	552	VLPIDY <b>Y</b> FPPQKT
1851	P10275	571	EASGCH <b>Y</b> GALTCG
1852	P10275	593	AEGKQ <b>KY</b> LCASRN
1853	P10275	620	CRLRK <b>CY</b> EAGMTL
1854	P10275	667	VSHIEG <b>Y</b> ECQPIF
1855	P10275	739	QMAVIQ <b>Y</b> SWMGLM
1856	P10275	763	VNSRML <b>Y</b> FAPDLV
1857	P10275	773	DLVFNE <b>Y</b> RMHKSR
1858	P10275	781	MHKSRM <b>Y</b> SQCVRM
1859	P10275	834	DELRMN <b>Y</b> IKELDR
1860	P10275	857	SCSRR <b>FY</b> QLTKLL
1861	P10276	19	GGHLNG <b>Y</b> PVPPYA
1862	P10276	24	GYPVPP <b>Y</b> AFFFFP
1863	P10276	277	LRICTR <b>Y</b> TPEQDT
1864	P10415	18	REIVMK <b>Y</b> IHYKLS
1865	P10415	108	DDFSRR <b>Y</b> RRDFAE
1866	P10415	180	ALWMTE <b>Y</b> LNRLH
1867	P10451	33	SEEKQ <b>L</b> YNKYPDA
1868	P10451	36	KQLYN <b>KY</b> PD VAT
1869	P10451	156	VPTVDT <b>Y</b> DGRGDS
1870	P10451	165	RGDSV <b>VY</b> GLRSKS
1871	P10451	181	RRPDIQ <b>Y</b> PDATDE
1872	P10451	202	EELNGA <b>Y</b> KAIPVA
1873	P10451	246	HKQSRL <b>Y</b> KRKAND
1874	P10515	86	SPGRRY <b>Y</b> SLPPHQ
1875	P10515	144	ESLEEC <b>Y</b> MAKILV
1876	P10515	446	KQTIPH <b>Y</b> YLSIDV
1877	P10588	68	KSSGKH <b>Y</b> GVFTCE
1878	P10588	179	LLRAEP <b>Y</b> PAAAGR
1879	P10588	338	QVALTE <b>Y</b> VRAQYP
1880	P10599	49	HSLSEK <b>Y</b> SNVIFL
1881	P10636	29	RKDQGG <b>Y</b> TMHQDQ
1882	P10636	441	PPSSPK <b>Y</b> VSSVTS
1883	P10636	627	GSVQIV <b>Y</b> KPVDLS
1884	P10636	711	HGAEIV <b>Y</b> KSPVVS
1885	P10644	122	KVIPKD <b>Y</b> KTMAAL
1886	P10644	246	LRKRKM <b>Y</b> EEFLSK
1887	P10644	323	RLGPSD <b>Y</b> FGEIAL
1888	P10645	194	SLPSQ <b>KY</b> PGPQAE
1889	P10645	262	PHPSLG <b>Y</b> KEIRKG
1890	P10645	414	PLQVRG <b>Y</b> PEEKKE
1891	P10721	95	ATNTG <b>KY</b> TCTNKH
1892	P10721	108	GLSNSI <b>Y</b> VFVRDP
1893	P10721	125	LVDRSL <b>Y</b> GKEDND
1894	P10721	146	DPEVTN <b>Y</b> SLKGCQ
1895	P10721	179	KSVKRA <b>Y</b> HRLCLH
1896	P10721	243	DVSSSV <b>Y</b> STWKRE
1897	P10721	259	TKLQEK <b>Y</b> NSWHHG
1898	P10721	269	HHGDFN <b>Y</b> ERQATL
1899	P10721	291	SGVFM <b>CY</b> ANNTFG
1900	P10721	337	VDLIVE <b>Y</b> EAFPKP
1901	P10721	350	EHQQWI <b>Y</b> MNRTFT
1902	P10721	362	TDKWED <b>Y</b> PKSENE
1903	P10721	373	NESNIR <b>Y</b> VSELHL

1904	P10721	390	GTEGGT <b>Y</b> TFLVSN
1905	P10721	408	AIAFNV <b>Y</b> VNTKPE
1906	P10721	441	EPTIDW <b>Y</b> FCPGTE
1907	P10721	503	VGKTS <b>A</b> YFNFAFK
1908	P10721	545	IVMILT <b>Y</b> KYLQKP
1909	P10721	578	DPTQLP <b>Y</b> DHKWEF
1910	P10721	609	VVEATA <b>Y</b> GLIKSD
1911	P10721	672	TLVITE <b>Y</b> CCYGDL
1912	P10721	747	SVRIGS <b>Y</b> IERDVT
1913	P10721	855	ESDVWS <b>Y</b> GIFLWE
1914	P10721	870	SLGSSP <b>Y</b> PGMPVD
1915	P10809	26	PHLTR <b>A</b> YAKDVKF
1916	P10809	227	RGYISP <b>Y</b> FINTSK
1917	P10809	503	SSSEVG <b>Y</b> DAMAGD
1918	P10914	109	SSAVRV <b>Y</b> RMLPPL
1919	P10914	210	DSTSDL <b>Y</b> NFQVSP
1920	P10914	256	NVDGKG <b>Y</b> LLNEPG
1921	P10997	70	NVGSNT <b>Y</b> GKRNAV
1922	P11047	312	NCKHNT <b>Y</b> GVDCEK
1923	P11047	554	AVISDS <b>Y</b> FPRYFI
1924	P11047	633	LHEATD <b>Y</b> PWRPAL
1925	P11142	107	PKVQVE <b>Y</b> KGETKS
1926	P11142	431	TQTFTT <b>Y</b> SDNQPG
1927	P11142	525	VQEA <b>E</b> K <b>Y</b> KAEDEK
1928	P11171	250	NLLEED <b>Y</b> FGLAIW
1929	P11171	289	TFNVKF <b>Y</b> PPDPAQ
1930	P11171	303	TEDITR <b>Y</b> YLCLQL
1931	P11171	304	EDITR <b>Y</b> YLCLQLR
1932	P11171	331	LALLGS <b>Y</b> TIQSEL
1933	P11171	340	QSELGD <b>Y</b> DPELHG
1934	P11171	349	ELHGVD <b>Y</b> VSDFKL
1935	P11171	374	MELHKS <b>Y</b> RSMTPA
1936	P11171	396	AKKLSM <b>Y</b> GVDLHK
1937	P11171	423	SSGLLV <b>Y</b> KDKLRI
1938	P11171	442	KVLKIS <b>Y</b> KRSSFF
1939	P11171	459	PGEQE <b>Y</b> ESTIGF
1940	P11171	470	GFKLPS <b>Y</b> RAAKKL
1941	P11171	509	LGSKFR <b>Y</b> SGRTQA
1942	P11171	767	ETKTIT <b>Y</b> EAAQTD
1943	P11226	19	SMVAAS <b>Y</b> SETVTC
1944	P11226	205	TGNRLT <b>Y</b> TNWNeg
1945	P11274	58	ERFRMI <b>Y</b> LQTLA
1946	P11274	70	AKEKKS <b>Y</b> DRQRWG
1947	P11274	231	DASRPP <b>Y</b> RGRSSE
1948	P11274	276	PWPPLE <b>Y</b> QPYQSI
1949	P11274	279	PLEYQP <b>Y</b> QSIYVG
1950	P11274	316	TWPRRS <b>Y</b> SPRSFE
1951	P11274	328	EDCGGG <b>Y</b> TPDCSS
1952	P11274	360	SPSPTT <b>Y</b> RMFRDK
1953	P11274	436	FGTPPG <b>Y</b> GCAADR
1954	P11274	513	LASEET <b>Y</b> LSHLEA
1955	P11274	554	FKVPEL <b>Y</b> EIHKEF
1956	P11274	598	RAFVDN <b>Y</b> GVAMEM
1957	P11274	644	SLETL <b>Y</b> KPVDRV
1958	P11274	751	GGKTQ <b>Y</b> QDCKWYI
1959	P11274	756	QYDCKW <b>Y</b> IPLTDL
1960	P11274	844	SRNGKS <b>Y</b> TFLISS
1961	P11274	852	FLISSD <b>Y</b> ERAWEW

1962	P11274	910	DESPGL <b>Y</b> GFLNVI
1963	P11274	930	KQSSNL <b>Y</b> CTLEVD
1964	P11274	940	EVDSFG <b>Y</b> FVNKAK
1965	P11274	950	KAKTRV <b>Y</b> RDTAEP
1966	P11274	977	TLRILC <b>Y</b> EKCYNK
1967	P11274	981	LCYEKC <b>Y</b> NKTKIP
1968	P11274	1131	AGTLKL <b>Y</b> FRELPE
1969	P11277	274	TYVVA <b>Y</b> FHYFSKM
1970	P11277	347	LQAFST <b>Y</b> RTVEKP
1971	P11277	1802	SYDLHR <b>Y</b> FYTGAE
1972	P11309	289	LLKDTV <b>Y</b> TDFDGT
1973	P11309	309	WIRYHR <b>Y</b> HGRSAA
1974	P11309	324	SLGILL <b>Y</b> DMVCGD
1975	P11362	99	PADSG <b>Y</b> LACVTSS
1976	P11362	113	SGSDTT <b>Y</b> FSVNVS
1977	P11362	154	RMPVAP <b>Y</b> WTSPEK
1978	P11362	206	DHRIGG <b>Y</b> KVRYAT
1979	P11362	210	GGYKVR <b>Y</b> ATWSII
1980	P11362	228	PSDKGN <b>Y</b> TCIVEN
1981	P11362	236	CIVENE <b>Y</b> GSINHT
1982	P11362	243	GSINHT <b>Y</b> QLDVVE
1983	P11362	280	EFMCKV <b>Y</b> SDPQPH
1984	P11362	307	GPDNL <b>Y</b> PVQILKT
1985	P11362	339	FEDAGE <b>Y</b> TCLAGN
1986	P11362	374	VMTSPL <b>Y</b> LEIIIIY
1987	P11362	380	YLEIIII <b>Y</b> CTGAFL
1988	P11362	397	VGSVIV <b>Y</b> KMKSGT
1989	P11362	558	TQDGPL <b>Y</b> VIVEYA
1990	P11362	563	LYVIVE <b>Y</b> ASKGNL
1991	P11362	572	KGNLRE <b>Y</b> LQARRP
1992	P11362	605	DLVSCA <b>Y</b> QVARGM
1993	P11362	613	VARGME <b>Y</b> LASKKC
1994	P11362	677	ALFDRI <b>Y</b> THQSDV
1995	P11362	701	TLGGSP <b>Y</b> PGVPVE
1996	P11362	776	SMPLDQ <b>Y</b> SPSFPD
1997	P11387	211	WWEERY <b>Y</b> PEGIKW
1998	P11387	538	KDSIRY <b>Y</b> NKVPVE
1999	P11387	619	PAKILS <b>Y</b> NRANRA
2000	P11388	274	RSYVDM <b>Y</b> LKDKLD
2001	P11388	328	GGRHVD <b>Y</b> VADQIV
2002	P11388	757	VAEMSS <b>Y</b> HHGEMS
2003	P11413	112	SYVAGQ <b>Y</b> DDAASY
2004	P11413	343	FAAVVL <b>Y</b> VENERW
2005	P11413	428	LTYGNR <b>Y</b> KNVKLP
2006	P11474	91	VASGYH <b>Y</b> GVASCE
2007	P11474	113	IQGSIE <b>Y</b> SCPASN
2008	P11474	161	RGGRQK <b>Y</b> KRRPEV
2009	P11488	57	IIHQDG <b>Y</b> SLEECL
2010	P11488	70	EFIAII <b>Y</b> GNTLQS
2011	P11488	91	TTLNIQ <b>Y</b> GDSARQ
2012	P11488	150	LNDSAG <b>Y</b> YLSdle
2013	P11488	151	NDSAG <b>Y</b> YLSdler
2014	P11488	163	RLVTPG <b>Y</b> VPTEQD
2015	P11488	226	IAALS <b>Y</b> DMVLVE
2016	P11488	254	SICNHR <b>Y</b> FATTSI
2017	P11488	286	SICFPD <b>Y</b> DGPNTY
2018	P11488	292	YDGPNT <b>Y</b> EDAGNY
2019	P11488	298	YEDAGN <b>Y</b> IKVQFL

2020	P11488	316	RDVKEI <b>Y</b> SHMTCA
2021	P11498	321	DRHGKH <b>Y</b> FIEVNS
2022	P11498	503	AQKLLH <b>Y</b> LGHVMV
2023	P11498	718	DPSRTK <b>Y</b> SLQYYM
2024	P11831	124	AAATGG <b>Y</b> GPVSGA
2025	P11831	173	GIMKKA <b>Y</b> ELSTLT
2026	P11831	302	SFPITN <b>Y</b> LAPVSA
2027	P11926	66	PRVTPF <b>Y</b> AVKCND
2028	P11926	316	SEQTFM <b>Y</b> YVNDGV
2029	P11926	323	YVNDGV <b>Y</b> GSFNCI
2030	P12004	60	SEGFDT <b>Y</b> RCDRNL
2031	P12004	114	QEKVSD <b>Y</b> EMKLMD
2032	P12004	133	GIPEQE <b>Y</b> SCVVKM
2033	P12004	239	VPLVVE <b>Y</b> KIADMG
2034	P12004	249	DMGHLK <b>Y</b> YLAPKI
2035	P12004	250	MGHLKY <b>Y</b> LAPKIE
2036	P12111	657	GKTNFP <b>Y</b> V RDFVM
2037	P12111	926	LDYAQR <b>Y</b> I FVKSA
2038	P12111	1906	AFDFDE <b>Y</b> QPEMLE
2039	P12235	112	HKQFWR <b>Y</b> FAGNLA
2040	P12235	174	DGLRGL <b>Y</b> QGFNVS
2041	P12235	251	KGADIM <b>Y</b> TGTVDC
2042	P12259	1056	PLRSEA <b>Y</b> NTF SER
2043	P12259	1989	HYLKSC <b>Y</b> TTEFYV
2044	P12259	2095	KSWWGD <b>Y</b> WEPFRA
2045	P12270	444	KRQREE <b>Y</b> ERAQKA
2046	P12270	614	VRQRDM <b>Y</b> RILLSQ
2047	P12270	2001	ADGNDG <b>Y</b> EADDAE
2048	P12273	71	CMVVKT <b>Y</b> LIISSIP
2049	P12273	103	TFYWDF <b>Y</b> TNRTVQ
2050	P12273	138	IKNNRF <b>Y</b> TIEILK
2051	P12429	15	RGTVRD <b>Y</b> PDFSPS
2052	P12429	295	TEFKKH <b>Y</b> GYSLYS
2053	P12429	297	FKKH <b>Y</b> GYSLYSAI
2054	P12644	87	DYMRDL <b>Y</b> RLQSGE
2055	P12644	181	FHRINI <b>Y</b> EV MKPP
2056	P12644	336	PGYQAF <b>Y</b> CHGDCP
2057	P12814	161	QRKTAP <b>Y</b> KNVNIQ
2058	P12814	193	RPELID <b>Y</b> GKLRKD
2059	P12814	215	FDVAEK <b>Y</b> LDIPKM
2060	P12814	241	EKAIMT <b>Y</b> VSSFYH
2061	P12814	246	TYVSSF <b>Y</b> HAFSGA
2062	P12814	279	EQLMED <b>Y</b> EKLASD
2063	P12814	319	LEDFRD <b>Y</b> RRLHKP
2064	P12814	378	EQVEKG <b>Y</b> EEWLLN
2065	P12814	422	MLRQKD <b>Y</b> ETATLS
2066	P12814	466	ELNELD <b>Y</b> YDSPSV
2067	P12814	467	LNELDY <b>Y</b> DSPSVN
2068	P12814	511	ETIDQL <b>Y</b> LEYAKR
2069	P12814	514	DQLYLE <b>Y</b> AKRAAP
2070	P12814	582	SKIVQT <b>Y</b> HVN MAG
2071	P12814	592	MAGTNP <b>Y</b> TTITPQ
2072	P12814	674	LSHLRQ <b>Y</b> EKSIVN
2073	P12814	681	EKSIVN <b>Y</b> KPKIDQ
2074	P12814	708	DNKHTN <b>Y</b> TMEHIR
2075	P12814	780	CLISLG <b>Y</b> DIGNDP
2076	P12814	842	LAGDKN <b>Y</b> ITMDEL
2077	P12814	859	PPDQAE <b>Y</b> CIARMA

2078	P12814	867	IARMAP <b>Y</b> TGPDSV
2079	P12814	879	VPGALD <b>Y</b> MSFSTA
2080	P12821	294	QSWENI <b>Y</b> DMVVPF
2081	P12821	550	LCKEAG <b>Y</b> EGPLHQ
2082	P12821	656	SKFVEE <b>Y</b> DRTSQV
2083	P12830	37	GFDAES <b>Y</b> TFTVPR
2084	P12830	68	GRQRTA <b>Y</b> FSLDTR
2085	P12830	101	QIHFLV <b>Y</b> AWDSTY
2086	P12830	107	YAWDST <b>Y</b> RKFSTK
2087	P12830	190	KEGKVF <b>Y</b> SITGQG
2088	P12830	228	RERIAT <b>Y</b> TLFSHA
2089	P12830	296	DDDVNT <b>Y</b> NAAIAY
2090	P12830	302	YNAAIA <b>Y</b> TILSQD
2091	P12830	341	RESFPT <b>Y</b> TLVVQA
2092	P12830	380	IFNPTT <b>Y</b> KGQVPE
2093	P12830	413	PAWEAV <b>Y</b> TILNDD
2094	P12830	450	FEAKQQ <b>Y</b> ILHVAV
2095	P12830	508	GQEITS <b>Y</b> TAQEPD
2096	P12830	523	MEQKIT <b>Y</b> RIWRDT
2097	P12830	561	HVKNST <b>Y</b> TALIIA
2098	P12830	642	ANWTIQ <b>Y</b> NDPTQE
2099	P12830	663	ALEVGD <b>Y</b> KINLKL
2100	P12830	797	LMSVPR <b>Y</b> LPRPAN
2101	P12830	827	DPTAPP <b>Y</b> DSL LVF
2102	P12830	835	SLLVFD <b>Y</b> EGSGSE
2103	P12830	859	SDKDQD <b>Y</b> DYLNEW
2104	P12830	861	KDQDYD <b>Y</b> LNEWGN
2105	P12956	217	FDISLF <b>Y</b> RDIISI
2106	P12956	369	RPSLFV <b>Y</b> PEESLV
2107	P12956	409	RRNIPP <b>Y</b> FVALVP
2108	P13010	316	IIQGFR <b>Y</b> GSDIVP
2109	P13010	397	AIVRYA <b>Y</b> DKRANP
2110	P13010	416	PHIKHN <b>Y</b> ECLVYV
2111	P13224	113	RPERAP <b>Y</b> RDLRCV
2112	P13224	131	RGRLLP <b>Y</b> LAEDEL
2113	P13498	41	QWYFGA <b>Y</b> SIVAGV
2114	P13498	54	FVCLLE <b>Y</b> PRGKRK
2115	P13498	121	AIASGI <b>Y</b> LLAAVR
2116	P13500	36	APVTCC <b>Y</b> NFTNRK
2117	P13500	51	VQRLAS <b>Y</b> RRITSS
2118	P13501	26	PASASP <b>Y</b> SSDTTP
2119	P13501	37	TPCCFA <b>Y</b> IARPLP
2120	P13501	52	HIKEYF <b>Y</b> TSGKCS
2121	P13521	61	MIRALE <b>Y</b> IENLRQ
2122	P13521	468	VLPRLP <b>Y</b> GAGRSR
2123	P13521	494	ENRQMA <b>Y</b> ENLNDK
2124	P13569	380	FLQKQE <b>Y</b> KTLEYN
2125	P13569	627	EGSSYF <b>Y</b> GTFSEL
2126	P13569	1307	RKNLDP <b>Y</b> EQWSDQ
2127	P13611	1140	PGPEQK <b>Y</b> ETEGSS
2128	P13611	3105	LNGGTC <b>Y</b> PTETSY
2129	P13611	3183	QGQCYK <b>Y</b> FAHRRT
2130	P13612	228	TGSLFV <b>Y</b> NITTNK
2131	P13612	250	QVKFGS <b>Y</b> LGYSVG
2132	P13612	504	LTLCF <b>Y</b> SGKEVP
2133	P13639	79	TAISLF <b>Y</b> ELSEND
2134	P13639	175	LEPEEL <b>Y</b> QTFQRI
2135	P13639	192	NVIIST <b>Y</b> GEGESG



2136	P13639	232	KQFAEM <b>Y</b> VAKFAA
2137	P13639	367	PVTAQ <b>KY</b> RCELLY
2138	P13639	397	KGPLMM <b>Y</b> ISKMPV
2139	P13639	411	SDKGRF <b>Y</b> AFGRVF
2140	P13639	434	RIMGPN <b>Y</b> TPGKKE
2141	P13639	443	GKKEDL <b>Y</b> LKPIQR
2142	P13639	457	ILMMGR <b>Y</b> VEPIED
2143	P13639	579	SDPVVS <b>Y</b> RETVSE
2144	P13639	603	NKHNRL <b>Y</b> MKARPF
2145	P13639	634	LKQRAR <b>Y</b> LAEKYE
2146	P13639	639	RYLAEK <b>Y</b> EWDVAE
2147	P13639	671	ITKGV <b>QY</b> LNEIKD
2148	P13639	730	TARRCL <b>Y</b> ASVLTA
2149	P13639	745	RLMEPI <b>Y</b> LVEIQC
2150	P13639	760	QVVGGI <b>Y</b> GVNLNRK
2151	P13639	787	MFVVKA <b>Y</b> LPVNES
2152	P13646	65	SGFGGG <b>Y</b> GGGLGG
2153	P13646	152	ASPERD <b>Y</b> SPYYKT
2154	P13646	356	AETECR <b>Y</b> ALQLQQ
2155	P13688	68	LFGYSW <b>Y</b> KGERVD
2156	P13688	213	RNDTGP <b>Y</b> ECEIQN
2157	P13688	394	REDAGT <b>Y</b> WCEVFN
2158	P13693	95	KKYIKD <b>Y</b> MKSIKG
2159	P13693	151	MVALLD <b>Y</b> REDGVT
2160	P13693	159	EDGVTP <b>Y</b> MIFFKD
2161	P13796	28	DTDGNG <b>Y</b> ISFNEL
2162	P13796	417	PRVNHL <b>Y</b> SDLSDA
2163	P13796	502	WQLMRR <b>Y</b> TLNILE
2164	P13798	43	TQYGG <b>QY</b> RTVHTE
2165	P13798	319	RIVYL <b>QY</b> PSLIPH
2166	P13798	479	EQENV <b>QY</b> AGLDFE
2167	P13807	332	FFIAGR <b>Y</b> EFSNKG
2168	P13807	509	GVFPS <b>Y</b> EPWGYT
2169	P13807	604	WKYLGR <b>Y</b> YMSARH
2170	P14210	219	TCNGES <b>Y</b> RGLMDH
2171	P14210	313	QQQGEG <b>Y</b> RGTVNT
2172	P14210	513	WMVSLR <b>Y</b> RNKHIC
2173	P14314	82	HCTNTG <b>Y</b> KPLYIP
2174	P14314	359	EDKMPP <b>Y</b> DEQTQA
2175	P14314	416	YLYSQ <b>CY</b> ELTTNE
2176	P14316	158	SDLSPE <b>Y</b> AVLTST
2177	P14316	220	VSMSEL <b>Y</b> PLQISP
2178	P14316	262	NIEGK <b>QY</b> LSNMGT
2179	P14317	83	PKASHG <b>Y</b> GGRFGV
2180	P14317	103	SAVGHE <b>Y</b> VAEVEK
2181	P14317	124	KGFGG <b>KY</b> GVERDR
2182	P14317	153	HTSQKD <b>Y</b> SRGFGG
2183	P14317	161	RGFGGR <b>Y</b> GVEKDK
2184	P14317	175	DKAALG <b>Y</b> DYKGET
2185	P14317	177	AALGYD <b>Y</b> KGETEK
2186	P14317	190	HESQRD <b>Y</b> AKGFGG
2187	P14317	360	VEEEP <b>VY</b> EAEPEP
2188	P14317	437	ISAVAV <b>Y</b> DYQGEG
2189	P14317	439	AVAVYD <b>Y</b> QGEESD
2190	P14410	422	HDHGQ <b>KY</b> VIIILDP
2191	P14410	1231	GFQLCR <b>Y</b> GYANTS
2192	P14410	1417	RNDELN <b>Y</b> PPYFPE
2193	P14598	48	RRFTEI <b>Y</b> EFHKTL

2194	P14598	97	QGTLTEYCGTLM
2195	P14598	279	GYFPSMYLQKSGQ
2196	P14618	83	SHGTHEYHAETIK
2197	P14618	148	ITLDNAYMEKCDE
2198	P14618	444	AHQVARYRPRAPI
2199	P14625	355	EVEEDEYKAFYKS
2200	P14625	412	SDYIKLYVRRVFI
2201	P14625	727	ATLRSGYLLPDTK
2202	P14635	262	SKYEEMYPPPEIGD
2203	P14635	368	TPTLQHYLSYTEE
2204	P14635	404	MTVKNKYATSKHA
2205	P14672	56	KVIEQSYNETWLG
2206	P14672	229	CPESPRYLYIIQN
2207	P14672	448	AEAMGPYVFLFA
2208	P14678	15	MLQHIDYRMRCIL
2209	P14678	168	AGAPTQYPPGRGG
2210	P14778	94	VEDSGHYCVVRN
2211	P14778	95	EDSGHYCVVRNS
2212	P14778	103	VVRNSSYCLRIKI
2213	P14778	144	GGLVCPYMEFFKN
2214	P14778	161	LPKLQWKDCKPL
2215	P14778	194	EKHRGNYTCHASY
2216	P14778	200	YTCHASYTYLGKQ
2217	P14778	202	CHASYTYLGKQYP
2218	P14778	207	TYLGKQYPITRVI
2219	P14778	259	QLSDIAYWKWNGS
2220	P14778	278	PVLGEDYYSVENP
2221	P14778	279	VLGEDYYSVENPA
2222	P14778	306	EIESRFYKHPFTC
2223	P14778	329	AYIQLIYPVTNFQ
2224	P14778	356	VCSVFIYKIFKID
2225	P14778	367	IDIVLWYRDSCYD
2226	P14778	372	WYRDSCYDFLPIK
2227	P14778	385	ASDGKTYDAYILY
2228	P14778	388	GKTYDAYILYPKT
2229	P14778	391	YDAYILYPKTVGE
2230	P14778	421	LEKQCGYKLFYIG
2231	P14778	431	IYGRDDYVGEDIV
2232	P14778	475	EEQIAMYNALVQD
2233	P14778	536	FWKNVRYHMPVQR
2234	P14859	317	LAMGKLYGNDFSQ
2235	P14866	163	AADNQIYIAGHPA
2236	P14866	324	GGPHGGYHSHYHD
2237	P14866	375	PPPPPEYGPADS
2238	P15036	178	EKTEDQYEENSHL
2239	P15036	205	GTEQAPYGMQTQN
2240	P15036	438	KTSGKRYVYRFVC
2241	P15056	198	PECCAVYRIQDGE
2242	P15056	266	RCQTCGYKFHQRC
2243	P15056	519	ILLFMGYSTKPQL
2244	P15121	40	VAIDVGYRHIDCA
2245	P15121	83	SKLWCTYHEKGLV
2246	P15121	178	NKPGLKYKPAVNQ
2247	P15151	50	SVTLPCYLVQPNM
2248	P15151	86	QTQGPSYSESKRL
2249	P15151	121	VEDEGNYTCLFVT
2250	P15151	241	TVNLTVYYPPEVS
2251	P15151	242	VNLTVYYPPEVSI

2252	P15151	251	EVSISG <b>Y</b> DNNWYL
2253	P15151	256	GYDNNW <b>Y</b> LGQNEA
2254	P15151	277	NPEPTG <b>Y</b> NWSTTM
2255	P15151	364	LLGIGI <b>Y</b> FYWSKC
2256	P15151	366	GIGI <b>Y</b> FYWSKCSR
2257	P15172	30	ATTDDF <b>Y</b> DDPCFD
2258	P15172	193	GRGGEH <b>Y</b> SGSDA
2259	P15172	231	CYEGAY <b>Y</b> NEAPSE
2260	P15289	223	RPFFLY <b>Y</b> ASHHHTH
2261	P15289	429	HEPPLL <b>Y</b> DLSKDP
2262	P15289	439	KDPGEN <b>Y</b> NLLGGV
2263	P15311	44	GLREVW <b>Y</b> FGLHYV
2264	P15311	49	WYFGLH <b>Y</b> VDNKGf
2265	P15311	85	KFRAKF <b>Y</b> PEDVAE
2266	P15311	128	AVLLGS <b>Y</b> AVQAKF
2267	P15311	137	QAKFGD <b>Y</b> NKEVHK
2268	P15311	191	DNAMLE <b>Y</b> LKIAQD
2269	P15311	201	AQDLEM <b>Y</b> GINYFE
2270	P15311	205	EMYGIN <b>Y</b> FEIKNK
2271	P15311	228	ALGLNI <b>Y</b> EKDDKL
2272	P15311	270	APDFVF <b>Y</b> APRLRI
2273	P15311	291	MGNHEL <b>Y</b> MRRRKP
2274	P15311	424	AAELAE <b>Y</b> TAKIAL
2275	P15311	483	VYEPVS <b>Y</b> HVQESL
2276	P15311	499	GAEPTG <b>Y</b> SAELSS
2277	P15311	565	RQGRDK <b>Y</b> KTLRQI
2278	P15336	13	VNSARQ <b>Y</b> KDLWNM
2279	P15336	429	MQKKSG <b>Y</b> HTADKD
2280	P15391	95	QQMGGF <b>Y</b> LCQPGP
2281	P15391	157	LMSPKL <b>Y</b> VWAKDR
2282	P15391	259	AQDAGK <b>Y</b> YCHRGN
2283	P15391	260	QDAGKY <b>Y</b> CHRGNL
2284	P15391	299	SAVTLAY <b>Y</b> LIFCLC
2285	P15391	421	EEDSEF <b>Y</b> ENDSNL
2286	P15391	461	FSNAES <b>Y</b> ENEDEE
2287	P15391	500	SLGSQS <b>Y</b> EDMRGI
2288	P15391	508	DMRGIL <b>Y</b> AAPQLR
2289	P15391	531	EEDADS <b>Y</b> ENMDNP
2290	P15502	43	VPGGVF <b>Y</b> PGAGLG
2291	P15502	103	ADAAA <b>Y</b> KAAKAG
2292	P15502	228	TTGKLP <b>Y</b> GYGPGG
2293	P15515	29	EKRHHG <b>Y</b> RRKFHE
2294	P15515	46	HREFPF <b>Y</b> GDYGSN
2295	P15515	49	FPFYGD <b>Y</b> GSNYLY
2296	P15529	29	AMVLLL <b>Y</b> SFSDAC
2297	P15529	53	IGKPK <b>Y</b> YEIGER
2298	P15529	54	GKPKP <b>Y</b> YEIGERV
2299	P15529	62	IGERVD <b>Y</b> KCKKGY
2300	P15529	68	YKCKKG <b>Y</b> FYIPPL
2301	P15529	70	CKKGY <b>Y</b> FYIPPLAT
2302	P15529	101	YRETC <b>Y</b> IRDPLN
2303	P15529	117	VPANGT <b>Y</b> EFQYQM
2304	P15529	121	GTYEF <b>Y</b> GQMHFIC
2305	P15529	131	FICNEG <b>Y</b> YLIGEE
2306	P15529	132	ICNEG <b>Y</b> YLIGEEI
2307	P15529	140	IGEEIL <b>Y</b> CELKGS
2308	P15529	183	EVEVFE <b>Y</b> LDAVTY
2309	P15529	189	YLDAVT <b>Y</b> SCDPAP

2310	P15529	209	IGESTI <b>Y</b> CGDNSV
2311	P15529	247	GFGKKF <b>Y</b> YKATVM
2312	P15529	248	FGKKFY <b>Y</b> KATVMF
2313	P15529	261	ECDKGF <b>Y</b> LDGSDT
2314	P15529	321	SGPRPT <b>Y</b> KPPVSN
2315	P15529	328	KPPVSN <b>Y</b> PGYPKP
2316	P15529	331	VSNYPG <b>Y</b> PKPEEG
2317	P15529	366	VICVVP <b>Y</b> RYLQRR
2318	P15529	368	CVVPYR <b>Y</b> LQRRKK
2319	P15529	378	RKKKGT <b>Y</b> LTDETH
2320	P15927	14	SYGSSS <b>Y</b> GGAGGY
2321	P15927	20	YGGAGG <b>Y</b> TQSPGG
2322	P15927	256	SNEGHI <b>Y</b> STVDDD
2323	P15941	1065	EDPSTD <b>Y</b> YQELQR
2324	P15941	1066	DPSTD <b>Y</b> YQELQRD
2325	P15941	1081	EMFLQI <b>Y</b> KQGGFL
2326	P15941	1124	ETQFNQ <b>Y</b> KTEAAS
2327	P15941	1132	TEAASR <b>Y</b> NLTISD
2328	P15941	1177	VALAIV <b>Y</b> LIALAV
2329	P15941	1191	QCRK <b>Y</b> NGQLDIF
2330	P15941	1209	YHPMSE <b>Y</b> PTYHTH
2331	P15976	93	IPGGSP <b>Y</b> AGWAYG
2332	P15976	223	RDRTGH <b>Y</b> LCNACG
2333	P15976	231	CNACGL <b>Y</b> HKMNGQ
2334	P16066	152	FGVKDE <b>Y</b> ALTTRA
2335	P16066	228	EDDL <b>Y</b> SHYTRLLRT
2336	P16066	395	FQGV <b>Y</b> TG <b>Y</b> LKIDSS
2337	P16070	196	SGGYIF <b>Y</b> TFSTVH
2338	P16070	412	NRWHEG <b>Y</b> RQTPKE
2339	P16070	560	TTLLEG <b>Y</b> TSHYPH
2340	P16150	45	PLSSKM <b>Y</b> TTSITS
2341	P16150	95	LPEPTT <b>Y</b> QEVSIK
2342	P16152	81	DFLRKE <b>Y</b> GGLDVL
2343	P16152	194	GWPS <b>Y</b> SA <b>Y</b> GVTKIG
2344	P16152	253	GAETPV <b>Y</b> LALLPP
2345	P16157	327	VRLLLQ <b>Y</b> DAEIDD
2346	P16157	1062	TTDFPL <b>Y</b> FVIMSR
2347	P16157	1468	ANMENL <b>Y</b> TALQSI
2348	P16220	134	LSRRPS <b>Y</b> RKILND
2349	P16220	175	TVPTPI <b>Y</b> QTSSGQ
2350	P16220	224	GTTILQ <b>Y</b> AQTTDG
2351	P16234	98	AAHTGL <b>Y</b> TCYYNH
2352	P16234	102	GLYTCY <b>Y</b> NHTQTE
2353	P16234	118	LEGRHI <b>Y</b> IYVPDP
2354	P16234	120	GRHIYI <b>Y</b> VPDPDV
2355	P16234	136	PLGMTD <b>Y</b> LVIVED
2356	P16234	172	GVVPAS <b>Y</b> DSRQGF
2357	P16234	206	TIPFNV <b>Y</b> ALKATS
2358	P16234	225	EALKTV <b>Y</b> KSGETI
2359	P16234	249	VDLQWT <b>Y</b> PGEVKG
2360	P16234	273	PSIKLV <b>Y</b> TTLVPE
2361	P16234	375	KIQEIR <b>Y</b> RSKLKL
2362	P16234	392	EEDSGH <b>Y</b> TIVAQN
2363	P16234	405	EDAVKS <b>Y</b> TFELLT
2364	P16234	555	WKQKPR <b>Y</b> EIRWRV
2365	P16234	613	VVEGT <b>Y</b> AGLSRSQ
2366	P16234	676	IYIITE <b>Y</b> CFYGDL
2367	P16234	685	YGDLVN <b>Y</b> LHKNRD

2368	P16234	800	DLLSFT <b>Y</b> QVARGM
2369	P16234	881	LSDVWS <b>Y</b> GILLWE
2370	P16234	913	NKIKSG <b>Y</b> RMAMPD
2371	P16234	926	HATSEV <b>Y</b> EIMVKC
2372	P16234	944	EKRPSF <b>Y</b> HLSEIV
2373	P16234	958	NLLPGQ <b>Y</b> KKSYEK
2374	P16234	962	GQYKKS <b>Y</b> EKIHL
2375	P16284	76	QHQMFL <b>Y</b> KDDVLF
2376	P16284	83	KDDVLF <b>Y</b> NISSMK
2377	P16284	94	MKSTES <b>Y</b> FIPEVR
2378	P16284	102	IPEVRI <b>Y</b> DSGTYK
2379	P16284	107	IYDSGT <b>Y</b> KCTVIV
2380	P16284	123	EKTAE <b>Y</b> QLLVEG
2381	P16284	290	HGNKAV <b>Y</b> SVMAMV
2382	P16284	302	VEHSGN <b>Y</b> TCKVES
2383	P16284	384	KSDSGT <b>Y</b> ICTAGI
2384	P16284	415	SQPRIS <b>Y</b> DAQFEV
2385	P16284	442	GTLPI <b>Y</b> SQLLKTS
2386	P16284	474	PTEDVE <b>Y</b> QCVADN
2387	P16284	534	GSGPIT <b>Y</b> KFYREK
2388	P16284	537	PITYKF <b>Y</b> REKEGK
2389	P16284	546	KEGKPF <b>Y</b> QMTSNA
2390	P16284	570	KEQEGE <b>Y</b> YCTAFN
2391	P16284	571	EQEGE <b>Y</b> YCTAFNR
2392	P16284	623	IIAAK <b>Y</b> CFLRKAK
2393	P16284	663	MEANSH <b>Y</b> GHNDDV
2394	P16284	728	DAVESR <b>Y</b> SRTEGS
2395	P16401	74	ALAAGG <b>Y</b> DVEKNN
2396	P16410	60	ASFVCE <b>Y</b> ASPGKA
2397	P16410	89	EVCAAT <b>Y</b> MMGNEL
2398	P16410	127	AMDTGL <b>Y</b> ICKVEL
2399	P16410	135	CKVELM <b>Y</b> PPPYL
2400	P16410	139	LMYPP <b>Y</b> YLGIGN
2401	P16410	140	MYPP <b>Y</b> YLGIGNG
2402	P16410	150	GNGTQ <b>Y</b> IVIDPEP
2403	P16410	177	SSGLFF <b>Y</b> SFLLTA
2404	P16435	84	RNIIVF <b>Y</b> GSQTGT
2405	P16435	323	GDHVAV <b>Y</b> PANDSA
2406	P16435	575	SDEDYL <b>Y</b> REELAQ
2407	P16930	128	GDYTD <b>Y</b> FSSRQHA
2408	P16930	159	LHLPVG <b>Y</b> HGRASS
2409	P16930	286	DPRPL <b>Y</b> LCHDEP
2410	P17302	137	EIKKFK <b>Y</b> GIEEHG
2411	P17302	267	GSQKYA <b>Y</b> FNGCSS
2412	P17302	301	NSSCRN <b>Y</b> NKQASE
2413	P17612	180	LIDQQG <b>Y</b> IQVTDF
2414	P17612	216	IILSKG <b>Y</b> NKAVDW
2415	P17612	331	TSNFDD <b>Y</b> EEEEIR
2416	P17661	155	TRVAEL <b>Y</b> EEELRE
2417	P17661	281	RDIRAQ <b>Y</b> ETIAAK
2418	P17661	363	ASEASG <b>Y</b> QDNIA
2419	P17676	31	EVANFY <b>Y</b> EADCLA
2420	P17676	126	DLFSDD <b>Y</b> GGKNCK
2421	P17676	205	MAAGFP <b>Y</b> ALRAYL
2422	P17707	158	MNSDCW <b>Y</b> LYTLDF
2423	P17707	160	SDCWYL <b>Y</b> TLDFPE
2424	P17707	318	SAMFND <b>Y</b> NFVFTS
2425	P17735	250	ILADEI <b>Y</b> GDMVFS

2426	P17735	339	RTPGEFYHNTLSF
2427	P17735	354	SNADLCYGALAAI
2428	P17858	578	MGGYCGYLATVTG
2429	P17858	643	EFLYNLYSSEKKG
2430	P17858	754	LKMLAQYRISMAA
2431	P17931	36	PAGAGGYPGASYP
2432	P17931	79	APAPGVYPPPSG
2433	P17931	89	PSGPGAYPSSGQP
2434	P17936	186	AKDSQRYKVDYES
2435	P17936	190	QRYKVDYESQSTD
2436	P17936	210	SKRETEYGPCRRE
2437	P17948	139	RPFVEMYSEIPEI
2438	P17948	199	IISNATYKEIGLL
2439	P17948	268	VQMTWSYPDEKNK
2440	P17948	309	NKDKGLYTCRVRS
2441	P17948	353	VAGKRSYRLSMKV
2442	P17948	403	EEDAGNYTILLSI
2443	P17948	533	SRISGIYICIASN
2444	P17948	551	GRNISFYITDVPN
2445	P17948	584	TVNKFLYRDVTWI
2446	P17948	602	NNRTMHYSISKQK
2447	P17948	634	LQDSGTYACRARN
2448	P17948	642	CRARNVYTGEIIL
2449	P17948	662	RDQEAPYLLRNLS
2450	P17948	729	EEDEGVYHCKATN
2451	P17948	794	SEIKTDYLSIIMD
2452	P17948	815	QCERLPYDASKWE
2453	P17948	911	LMVIVEYCKYGNL
2454	P17948	990	EDSDGFYKEPITM
2455	P17948	1002	MEDLISYSFQVAR
2456	P17948	1048	GLARDIYKNPDYV
2457	P17948	1076	SIFDKIYSTKSDV
2458	P17948	1085	KSDVWSYGVLLWE
2459	P17948	1100	SLGGSPYPGVQMD
2460	P17948	1184	GNSGFTYSTPAFS
2461	P17987	121	TSVISGYRLACKE
2462	P17987	181	AVLAIKYTDIRGQ
2463	P17987	214	SMLISGYALNCVV
2464	P18031	46	NKNRNRYRDVSPF
2465	P18031	81	EEAQRSYILTQGP
2466	P18031	124	SLKCAQYWPQKEE
2467	P18031	152	SEDIKSYYTVRQL
2468	P18031	153	EDIKSYYTVRQLE
2469	P18031	176	EILHFHYTTWPDF
2470	P18031	271	DQLRFSYLAVIEG
2471	P18031	359	PLNAAPYGIESMS
2472	P18031	405	EDHALSYWKPFLV
2473	P18031	424	VLTAGAYLCYRFL
2474	P18031	427	AGAYLCYRFLFNS
2475	P18124	51	ARRKLIYEKAKHY
2476	P18124	61	KHYHKEYRQMYRT
2477	P18124	144	PYIAWGYPNLKSV
2478	P18206	100	MLQSDPYSPARD
2479	P18206	107	SVPARDYLIDGSR
2480	P18206	144	CKGILEYLTVAEV
2481	P18206	160	MEDLVTYTKNLGP
2482	P18206	692	PGNQAAEYHFETM
2483	P18206	949	PDMEDDYEPHELLL

2484	P18509	43	RPEEEA <b>Y</b> GEDGNP
2485	P18509	92	GILNEA <b>Y</b> RKVLDQ
2486	P18509	162	AVLGKR <b>Y</b> KQRVKN
2487	P18669	50	ALRDAG <b>Y</b> EFDICF
2488	P18669	92	RLNERH <b>Y</b> GGLTGL
2489	P18669	119	KIWRRS <b>Y</b> DVPPPP
2490	P18669	133	EPDHPF <b>Y</b> SNISKD
2491	P18669	142	ISKDRR <b>Y</b> ADLTED
2492	P18669	218	TGIPIV <b>Y</b> ELDKNL
2493	P18754	316	DSEGKA <b>Y</b> SLGRAE
2494	P18754	323	SLGRAE <b>Y</b> GRLGLG
2495	P18754	358	CGASVG <b>Y</b> AVTKDG
2496	P18887	136	IVCSQP <b>Y</b> SKDSPF
2497	P18887	211	DPAGPS <b>Y</b> AAATLQ
2498	P18887	613	VRPRWI <b>Y</b> SCNEKQ
2499	P19021	161	GETGSK <b>Y</b> FVLQVH
2500	P19021	227	SCHYKN <b>Y</b> PMHVFA
2501	P19021	736	NVFAIS <b>Y</b> IPGLLF
2502	P19022	534	MQQNIR <b>Y</b> TKLSDP
2503	P19022	571	NVKNNI <b>Y</b> NATFLA
2504	P19022	594	TGTLQI <b>Y</b> LLDIND
2505	P19113	81	PHMHAY <b>Y</b> PALTSW
2506	P19113	322	FWVKDK <b>Y</b> KLQQTF
2507	P19113	572	SSFLFS <b>Y</b> LSVQTK
2508	P19174	93	SRDFDR <b>Y</b> QEDPAF
2509	P19174	162	WLRKQF <b>Y</b> SVDRNR
2510	P19174	329	NNPLSH <b>Y</b> WISSSH
2511	P19174	338	SSSHNT <b>Y</b> LTGDQF
2512	P19174	353	ESSLEA <b>Y</b> ARCLRM
2513	P19174	379	DGMPVI <b>Y</b> HGHTLT
2514	P19174	407	AFVASE <b>Y</b> PVILSI
2515	P19174	481	VPTSM <b>Y</b> SENDIS
2516	P19174	496	IKNGIL <b>Y</b> LEDPVN
2517	P19174	509	HEWYPH <b>Y</b> FVLTSS
2518	P19174	519	TSSKI <b>Y</b> SEETSS
2519	P19174	595	ETFVGD <b>Y</b> TLSFWR
2520	P19174	633	LVFDSL <b>Y</b> DLITHY
2521	P19174	702	RNEPNS <b>Y</b> AISFRA
2522	P19174	741	VDLIS <b>Y</b> EKHPLY
2523	P19174	747	YEKHPL <b>Y</b> RKMCLR
2524	P19174	754	RKMCLR <b>Y</b> PINEEA
2525	P19174	833	GWWRGD <b>Y</b> GGKKQL
2526	P19174	991	ETKAEK <b>Y</b> VNKAKG
2527	P19174	1003	GKKFLQ <b>Y</b> NRLQLS
2528	P19174	1062	TGRHCG <b>Y</b> VLQPST
2529	P19174	1121	EVAGAE <b>Y</b> DSTKQK
2530	P19174	1162	FLRFVV <b>Y</b> EEDMFS
2531	P19174	1196	VPLKNN <b>Y</b> SEDLEL
2532	P19367	417	GVDGSL <b>Y</b> KTHPQY
2533	P19367	423	YKTHPQ <b>Y</b> SRRFHK
2534	P19367	725	DDIRTH <b>Y</b> DRLVDE
2535	P19404	60	DFTPEN <b>Y</b> KRIEAI
2536	P19404	70	EAIVKN <b>Y</b> PEGHKA
2537	P19404	113	VPPMRV <b>Y</b> EVATFY
2538	P19404	119	YEVATF <b>Y</b> TMYNRK
2539	P19404	122	ATFYTM <b>Y</b> NRKPVG
2540	P19404	130	RKPVGK <b>Y</b> HIQVCT
2541	P19404	192	VQINDN <b>Y</b> YEDLTA



2542	P19419	66	LSRALR <b>Y</b> YYDKNI
2543	P19419	67	SRALR <b>Y</b> YYDKNII
2544	P19419	83	SGQKFV <b>Y</b> KFVSYP
2545	P19429	29	SSNYRA <b>Y</b> ATEPHA
2546	P19429	112	KVDEER <b>Y</b> DIEAKV
2547	P19525	17	MEELNT <b>Y</b> RQKQGV
2548	P19525	27	QGVVLK <b>Y</b> QELPNS
2549	P19525	118	KRLTVN <b>Y</b> EQCASG
2550	P19525	133	GPEGFH <b>Y</b> KCKMGQ
2551	P19525	142	KMGQKE <b>Y</b> SIGTGS
2552	P19525	176	TSVKSD <b>Y</b> LSSGSF
2553	P19525	257	DMKETK <b>Y</b> TVDKRF
2554	P19525	300	VIKRVK <b>Y</b> NNEKAE
2555	P19525	323	HVNIVH <b>Y</b> NGCWDG
2556	P19525	332	CWDGFD <b>Y</b> DPETSD
2557	P19525	346	SLESSD <b>Y</b> DPENSK
2558	P19525	404	ITKGVD <b>Y</b> IHSKKL
2559	P19525	454	SKGTLR <b>Y</b> MSPEQI
2560	P19525	465	QISSQD <b>Y</b> GKEVDL
2561	P19525	472	GKEVDL <b>Y</b> ALGLIL
2562	P19793	169	VRKDLT <b>Y</b> TCRDNK
2563	P19793	403	YASLEA <b>Y</b> CKHKYP
2564	P19793	408	AYCKHK <b>Y</b> PEQPGR
2565	P19801	253	EELARK <b>Y</b> ADGEVD
2566	P19801	463	TVYNYD <b>Y</b> IWDFIF
2567	P19801	490	YVHATF <b>Y</b> TPEGLR
2568	P19823	73	VDQVTL <b>Y</b> SYKVQS
2569	P19823	194	WRKLGS <b>Y</b> EHRIYL
2570	P19823	505	RNVQFN <b>Y</b> PHTSVT
2571	P19827	123	VTAWKQ <b>Y</b> RKA AIS
2572	P19827	472	QQLQGF <b>Y</b> SQVAKP
2573	P19827	568	VERLWAYLTIQEL
2574	P19838	177	VHPDLA <b>Y</b> LQAEGG
2575	P19838	485	GEVTLT <b>Y</b> ATGTKE
2576	P19838	582	NMRNDL <b>Y</b> QTPLHL
2577	P20020	11	ANNSVA <b>Y</b> SGVKNS
2578	P20020	391	VIIILV <b>Y</b> FFVIDTF
2579	P20020	412	AECTPI <b>Y</b> IQYFVK
2580	P20138	49	FFHPI <b>Y</b> YDKNSP
2581	P20138	50	FHPI <b>Y</b> YDKNSPV
2582	P20138	59	NSPVHG <b>Y</b> WFREGA
2583	P20138	116	RRDNGS <b>Y</b> FFRMER
2584	P20138	127	ERGSTK <b>Y</b> SYKSPQ
2585	P20138	129	GSTK <b>Y</b> SYKSPQLS
2586	P20138	233	IQLNVT <b>Y</b> VPQNPT
2587	P20155	31	FGLFSK <b>Y</b> RTPNCS
2588	P20155	39	TPNCSQ <b>Y</b> RPLGCP
2589	P20155	59	GSDMST <b>Y</b> ANECTL
2590	P20336	21	SDQNFD <b>Y</b> MFKILI
2591	P20336	84	TAGQER <b>Y</b> RTITTA
2592	P20336	123	STQIKT <b>Y</b> SWDNAQ
2593	P20338	61	INVGGK <b>Y</b> VKLQIW
2594	P20338	101	ITSRET <b>Y</b> NALTNW
2595	P20338	194	MGSGIQ <b>Y</b> GDAALR
2596	P20366	30	ANDDLN <b>Y</b> WSDWYD
2597	P20366	35	NYWSDW <b>Y</b> DSDQIK
2598	P20366	88	ALLKAL <b>Y</b> GHGQIS
2599	P20393	51	TQGCPT <b>Y</b> FPPSPT

2600	P20393	95	SSSSSFYNGSPPG
2601	P20393	365	RQAPSSYPPTWPP
2602	P20591	205	KTLIKKYIQRQET
2603	P20591	584	FQHLMAHMQEASK
2604	P20591	626	LQDKDTYSWLLKE
2605	P20749	83	ARPEALYYPGALL
2606	P20749	240	DLEARNYDGLTAL
2607	P20749	307	NVNAQMYSGSSAL
2608	P20908	240	YDYCEHYSPDCDT
2609	P20908	1715	RGKLLSYVDAEGN
2610	P20908	1795	CATKKGYQKTVLE
2611	P20933	167	RNCQPNYWRNVIP
2612	P20933	178	IPDPSKYCGPYKP
2613	P20933	246	IPGAGAYADDTAG
2614	P21127	67	TIRNSPYRREDSM
2615	P21127	594	GSPLKAYTPVVVT
2616	P21127	681	TFSEHPYNNLRKR
2617	P21283	181	FVLDSEYLVTL LV
2618	P21283	201	NDWIKQYETLAEM
2619	P21283	367	LSQQEYYPYVYYK
2620	P21397	100	SERLVQYVKGKTY
2621	P21397	124	PIAYLDYNNLWRT
2622	P21397	419	PGIMTQYGRVIRQ
2623	P21453	198	STVLPLYHKHYIL
2624	P21453	221	LSIVILYCRIYSL
2625	P21453	311	GTNP I IYTLTNKE
2626	P21549	54	SMSKDMYQIMDEI
2627	P21549	176	GELCHRYKCLLLV
2628	P21549	204	QGIDILYSGSQKA
2629	P21675	110	TEDAVDYSDINEV
2630	P21675	903	RLKDAGYGEKSFF
2631	P21675	1601	EIVNVCYQTLTEY
2632	P21730	11	NYTTPDYGHYDDK
2633	P21730	258	FIFWLPYQVTGIM
2634	P21730	300	CINP I IYVVAGQG
2635	P21754	112	TDDALVYSTFLLH
2636	P21754	142	IPIECRYPRQGNV
2637	P21754	230	DQNASPYHTIVDF
2638	P21796	62	GSLETKYRWTEYG
2639	P21796	67	KYRWTEYGLTFTE
2640	P21796	247	SLIGLGYTQTLKP
2641	P21815	263	VEYEGEY EYTGAN
2642	P21815	265	YEGEY EYTGANEY
2643	P21815	308	GQGYDGYDGQNY
2644	P21980	125	LEASTGYQGSSFV
2645	P21980	351	PDLQPGYEGWQAL
2646	P21980	548	VPLCILY EKYRDC
2647	P22061	46	YAKCNPYMDSPQS
2648	P22061	147	GDGRMGY AEEAPY
2649	P22061	153	Y AEEAPYDAIHVG
2650	P22234	122	KEGYKFYPPKVEL
2651	P22234	231	QKDKQSYRDLKEV
2652	P22234	316	LRIKAEYEGDGIP
2653	P22314	922	HRQLDSYKNGFLN
2654	P22314	978	LKQFLDYFKTEHK
2655	P22314	998	QGVSMLYSFFMPA
2656	P22466	41	TLNSAGYLLGPHA
2657	P22681	83	LKNSPPYILDLLP

2658	P22681	92	DLLPDT <b>Y</b> QHLRTI
2659	P22681	102	RTILSR <b>Y</b> EGKMET
2660	P22681	114	TLGENE <b>Y</b> FRVFME
2661	P22681	141	EGKERM <b>Y</b> EENSQP
2662	P22681	291	IHKPGS <b>Y</b> IFRLSC
2663	P22681	307	GQWAIG <b>Y</b> VTADGN
2664	P22681	337	GFREGF <b>Y</b> LFPDGR
2665	P22681	455	GAPSPN <b>Y</b> DDDDDE
2666	P22681	552	PPPDRP <b>Y</b> SVGAES
2667	P22681	735	CTYEAM <b>Y</b> NIQSQA
2668	P22681	869	NLMSQG <b>Y</b> SYQDIQ
2669	P22681	871	MSQGY <b>Y</b> QDIQKA
2670	P22692	70	GMPCGV <b>Y</b> TPRCGS
2671	P22692	81	GSGLR <b>Y</b> PPRGVE
2672	P22692	197	RTHEDL <b>Y</b> IIPN
2673	P22735	257	CPEDIV <b>Y</b> VDHEDW
2674	P22735	370	SYLRTG <b>Y</b> SVPYGQ
2675	P22735	570	GSKPNV <b>Y</b> ANRGS
2676	P22736	112	FQVYGC <b>Y</b> PGPLSG
2677	P22736	132	SSGSD <b>Y</b> GSPCSA
2678	P22736	279	NASCQH <b>Y</b> GVRTCE
2679	P22891	65	YEEICV <b>Y</b> EEAREV
2680	P22891	148	LPGQES <b>Y</b> TCSCAQ
2681	P22891	231	NITVKT <b>Y</b> FNRTSQ
2682	P22914	60	NFAGYM <b>Y</b> ILPQGE
2683	P22914	67	ILPQGE <b>Y</b> PEYQRW
2684	P22914	94	LPSGGQ <b>Y</b> KIQIFE
2685	P23025	148	TEAKQE <b>Y</b> LLKDCD
2686	P23025	246	IVHQHE <b>Y</b> GPEENL
2687	P23025	257	NLEDDM <b>Y</b> RKTCTM
2688	P23193	158	LRTGDD <b>Y</b> IAIGAD
2689	P23193	177	QIEEAI <b>Y</b> QEIRNT
2690	P23193	273	KKKNCT <b>Y</b> TQVQTR
2691	P23229	276	DPDQFV <b>Y</b> KTRPPR
2692	P23229	449	LGKVFI <b>Y</b> HGSANG
2693	P23229	1049	SKTVAQ <b>Y</b> SGVPWW
2694	P23246	251	RQHHPP <b>Y</b> HQQHHQ
2695	P23246	320	KRLFAK <b>Y</b> GEPGEV
2696	P23246	381	VRNLSP <b>Y</b> VSNELL
2697	P23246	470	AQKNPM <b>Y</b> QKERET
2698	P23246	488	QHGTFE <b>Y</b> EYSQRW
2699	P23246	490	GTFEYE <b>Y</b> SQRWKS
2700	P23246	527	SEMED <b>Y</b> AHEHQAN
2701	P23246	597	RQREES <b>Y</b> SRMGYM
2702	P23246	602	SYSRMG <b>Y</b> MDPRER
2703	P23246	624	MNMGDP <b>Y</b> GSGGQK
2704	P23246	642	GGGGIG <b>Y</b> EANPGV
2705	P23246	691	PGTPAG <b>Y</b> GRGREE
2706	P23246	698	GRGREE <b>Y</b> EGPNKK
2707	P23297	27	GKEGDK <b>Y</b> KLSKKE
2708	P23297	75	EVDFQE <b>Y</b> VVLVAA
2709	P23327	314	DDVSTE <b>Y</b> GHQHR
2710	P23327	410	EDFQDE <b>Y</b> KTEVPH
2711	P23327	629	PGSLCG <b>Y</b> CSFCNR
2712	P23396	34	ELAEDG <b>Y</b> SGVEVR
2713	P23396	107	QAESLR <b>Y</b> KLLGGL
2714	P23396	166	SGDPVN <b>Y</b> YVDTAV
2715	P23434	84	ALGDVV <b>Y</b> CSLPEV

2716	P23434	139	LVNKSC <b>Y</b> EDGWLI
2717	P23434	164	LMSEE <b>A</b> <b>Y</b> EKYIKS
2718	P23443	198	EDTAC <b>F</b> <b>Y</b> LAEISM
2719	P23443	259	FCGTIE <b>Y</b> MAPEIL
2720	P23443	315	KLNLPP <b>Y</b> LTQEAR
2721	P23458	89	ENTKLW <b>Y</b> APNRTI
2722	P23458	112	HYRMR <b>F</b> <b>Y</b> FTNWHG
2723	P23458	164	LFAQGQ <b>Y</b> DLVKCL
2724	P23458	217	LPKDIS <b>Y</b> KRYIPE
2725	P23458	220	DISYKR <b>Y</b> IPETLN
2726	P23458	281	ETLT <b>K</b> <b>H</b> <b>Y</b> GAEIFE
2727	P23458	312	DGGNV <b>L</b> <b>Y</b> YEVMT
2728	P23458	313	GGNV <b>L</b> <b>Y</b> YEVMTG
2729	P23458	368	EWN <b>N</b> <b>F</b> <b>S</b> <b>Y</b> FPEITH
2730	P23458	412	VSLVD <b>G</b> <b>Y</b> FRLTAD
2731	P23458	422	TADAH <b>H</b> <b>Y</b> LCTDVA
2732	P23458	448	GPIC <b>T</b> <b>E</b> <b>Y</b> AINKLR
2733	P23458	463	GSEEG <b>M</b> <b>Y</b> VLRWSC
2734	P23458	568	QEWQP <b>V</b> <b>Y</b> PMSQLS
2735	P23458	598	GTRTH <b>I</b> <b>Y</b> SGTLM
2736	P23458	704	LASAL <b>S</b> <b>Y</b> LEDKDL
2737	P23458	788	TLWE <b>I</b> <b>C</b> <b>Y</b> NGEIPL
2738	P23458	894	KVELCR <b>Y</b> DPEGDN
2739	P23458	933	EILRN <b>L</b> <b>Y</b> HENIVK
2740	P23458	967	SGSL <b>K</b> <b>E</b> <b>Y</b> LPKNKN
2741	P23458	983	LKQQL <b>K</b> <b>Y</b> AVQICK
2742	P23458	1048	DSPV <b>F</b> <b>W</b> <b>Y</b> APECLM
2743	P23458	1059	LMQSK <b>F</b> <b>Y</b> IASDVW
2744	P23458	1125	NCPDEV <b>Y</b> QLMRKC
2745	P23508	110	IREED <b>E</b> <b>Y</b> SELRSE
2746	P23508	459	EQCIE <b>A</b> <b>Y</b> ELLLAL
2747	P23508	572	EQRLK <b>D</b> <b>Y</b> IQQ LKN
2748	P23526	100	KAGIP <b>V</b> <b>Y</b> AWKGET
2749	P23526	257	QAAME <b>G</b> <b>Y</b> EVTTMD
2750	P23526	328	KPQVDR <b>Y</b> RLKNR
2751	P23528	82	PDKDCR <b>Y</b> ALYDAT
2752	P23528	85	DCRYAL <b>Y</b> DATYET
2753	P23528	140	ELQANC <b>Y</b> EEVKDR
2754	P23588	33	TGGG <b>S</b> <b>T</b> <b>Y</b> VSKPVS
2755	P23588	228	DKYRDR <b>Y</b> DSDRYR
2756	P23588	241	DGYRD <b>G</b> <b>Y</b> RDGPRR
2757	P23760	20	PGPGQ <b>N</b> <b>Y</b> PRSGFP
2758	P23760	354	PDSS <b>S</b> <b>A</b> <b>Y</b> CLPSTR
2759	P23760	466	MDPVT <b>G</b> <b>Y</b> QYGQYG
2760	P24385	17	ETIRRA <b>Y</b> PDANLL
2761	P24385	84	FPLAM <b>N</b> <b>Y</b> LDRFLS
2762	P24385	227	NNFLS <b>Y</b> RLTRFL
2763	P24390	125	LWTF <b>S</b> <b>I</b> <b>Y</b> LESVAI
2764	P24390	151	ETIT <b>S</b> <b>H</b> <b>Y</b> L FALGV
2765	P24390	196	LYCD <b>F</b> <b>F</b> <b>Y</b> LYITKV
2766	P24394	38	PTCVSD <b>Y</b> MSISTC
2767	P24394	62	TELRL <b>L</b> <b>Y</b> QLVFL
2768	P24394	99	VVSAD <b>N</b> <b>Y</b> TLDLWA
2769	P24394	147	LTWSN <b>P</b> <b>Y</b> PPDNYL
2770	P24394	152	PYPPD <b>N</b> <b>Y</b> LYNHLT
2771	P24394	154	PPDN <b>Y</b> <b>L</b> YNHLYA
2772	P24394	159	LYNH <b>L</b> <b>T</b> <b>Y</b> AVNIWS
2773	P24394	175	PADFRI <b>Y</b> NVTYPE

2774	P24394	179	RIYNVT <b>Y</b> LEPSLR
2775	P24394	197	LKSGIS <b>Y</b> RARVRA
2776	P24394	208	RAWAQC <b>Y</b> NTTWSE
2777	P24394	225	TKWHNS <b>Y</b> REPFEQ
2778	P24394	252	AVCLLC <b>Y</b> VSITKI
2779	P24394	713	LGSGIV <b>Y</b> SALTCH
2780	P24593	70	GQSCGV <b>Y</b> TERCAQ
2781	P24593	106	CLNEKS <b>Y</b> REQVKI
2782	P24593	247	CWCVDK <b>Y</b> GMKLPG
2783	P24666	50	SAATSG <b>Y</b> EIGNPP
2784	P24666	58	IGNPPD <b>Y</b> RGQSCM
2785	P24666	88	DFATFD <b>Y</b> IILCMDE
2786	P24666	120	IELLGS <b>Y</b> DPQKQL
2787	P24666	143	SDFETV <b>Y</b> QQCVRC
2788	P24821	837	DGIELT <b>Y</b> GIKDVP
2789	P24821	1775	LIPGVE <b>Y</b> LVSIIA
2790	P24821	1917	RASVTG <b>Y</b> LLVYES
2791	P24864	159	MEVCEV <b>Y</b> KLHRET
2792	P24864	176	QDFFDR <b>Y</b> MATQEN
2793	P24864	253	VSWLNV <b>Y</b> MQVAYL
2794	P24928	1797	SPTSPS <b>Y</b> SPTSPS
2795	P24928	1839	SPASPK <b>Y</b> TPTSPS
2796	P24928	1895	SPTSPT <b>Y</b> SPTSPV
2797	P25205	312	SIHGHD <b>Y</b> VKKAIL
2798	P25205	357	KSQLLR <b>Y</b> VLCTAP
2799	P25205	653	ELVQYA <b>Y</b> FKKVLE
2800	P25311	108	KDIVEY <b>Y</b> NDSENGS
2801	P25311	144	YYDGKD <b>Y</b> IEFNKE
2802	P25311	193	PATLRK <b>Y</b> LKYSKN
2803	P25398	61	NCDEPM <b>Y</b> VKLVEA
2804	P25398	114	CVVVKD <b>Y</b> GKESQA
2805	P25788	105	FRSNFG <b>Y</b> NIPLKH
2806	P25788	141	SFMLGS <b>Y</b> SVNDGA
2807	P25788	150	NDGAQL <b>Y</b> MIDPSG
2808	P25963	181	ILKATN <b>Y</b> NGHTCL
2809	P25963	195	LASIHG <b>Y</b> LGIVEL
2810	P25963	248	DVNRVT <b>Y</b> QGYSPY
2811	P25963	251	RVTYQG <b>Y</b> SPYQLT
2812	P25963	254	YQGYSP <b>Y</b> QLTWGR
2813	P25963	289	SEDEES <b>Y</b> DTESEF
2814	P25963	305	TEDEL <b>Y</b> DDCVFG
2815	P26358	827	EDMQLS <b>Y</b> IHSKVK
2816	P26358	863	GDDGKT <b>Y</b> FYQLWY
2817	P26358	1084	GGPNRF <b>Y</b> FLEAYN
2818	P26368	269	IGGLPN <b>Y</b> LNDDQV
2819	P26368	307	GYAFCE <b>Y</b> VDINVT
2820	P26368	395	LLDDEE <b>Y</b> EEIVED
2821	P26378	89	TGQSLG <b>Y</b> GfVNYI
2822	P26378	94	GYGFVN <b>Y</b> IDPKDA
2823	P26378	348	FVTMTN <b>Y</b> DEAAMA
2824	P26599	193	IVENLF <b>Y</b> PVTLDV
2825	P26599	228	FQALLQ <b>Y</b> ADPVSA
2826	P26599	247	LDGQNI <b>Y</b> NACCTL
2827	P26640	151	WLRLHT <b>Y</b> LAGEAP
2828	P26640	210	LGEVVL <b>Y</b> SGARPL
2829	P26640	428	EKGDR <b>Y</b> HQLKKL
2830	P26641	24	ALIAAQ <b>Y</b> SGAQVR
2831	P26641	77	ESNAIA <b>Y</b> YVSNEE

2832	P26641	145	LGLLDA <b>Y</b> LKTRTF
2833	P26651	104	STTPSR <b>Y</b> KTELCR
2834	P26651	142	ANRHPK <b>Y</b> KTELC
2835	P26651	284	GSDPDE <b>Y</b> ASSGSS
2836	P27105	123	SVDGVV <b>Y</b> YRVQNA
2837	P27105	124	VDGVV <b>Y</b> YRVQNA
2838	P27105	252	AALQLR <b>Y</b> LQTLTT
2839	P27361	42	FDVGPR <b>Y</b> TQLQYI
2840	P27361	47	RYTQLQ <b>Y</b> IGEGAY
2841	P27361	53	YIGEG <b>Y</b> GMVSSA
2842	P27361	60	GMVSS <b>Y</b> DHVRKT
2843	P27361	81	PFEHQ <b>Y</b> CQRTL
2844	P27361	119	EAMRDV <b>Y</b> IVQDLM
2845	P27361	130	LMETDL <b>Y</b> KLLKSQ
2846	P27361	145	SNDHIC <b>Y</b> FLYQIL
2847	P27361	148	HICYFL <b>Y</b> QILRGL
2848	P27361	156	ILRGL <b>Y</b> IHSA
2849	P27361	210	YVATRW <b>Y</b> RAPEIM
2850	P27361	222	MLNSKG <b>Y</b> TKSIDI
2851	P27361	250	IFPGKH <b>Y</b> LDQLNH
2852	P27361	280	NMKARN <b>Y</b> LQSLPS
2853	P27361	329	EALAH <b>Y</b> LEQYYD
2854	P27361	333	HPYLEQ <b>Y</b> YDPTDE
2855	P27361	334	PYLEQ <b>Y</b> YDPTDEP
2856	P27695	118	PGLSHQ <b>Y</b> WSAPSD
2857	P27695	262	LYPNTP <b>Y</b> AYTFWT
2858	P27695	284	VGWRLD <b>Y</b> FLLSHS
2859	P27707	131	FFERSV <b>Y</b> SDRYIF
2860	P27707	135	SVYSDR <b>Y</b> IFASNL
2861	P27707	227	LKTNFD <b>Y</b> LQEVPI
2862	P27708	550	AAERLG <b>Y</b> PVLVRA
2863	P27708	679	PESEQ <b>Y</b> IIEVNA
2864	P27708	2212	QAENG <b>Y</b> IRMALL
2865	P27815	148	RRESFL <b>Y</b> RSDDY
2866	P27815	286	GNQVSE <b>Y</b> ISTTFL
2867	P27815	396	SLTCIM <b>Y</b> MIFQER
2868	P27816	110	LEEKMA <b>Y</b> QEYPNS
2869	P27816	113	KMA <b>Y</b> QEYPNSQNW
2870	P27816	1001	VSKKVS <b>Y</b> SHIQSK
2871	P28072	124	KEMCYR <b>Y</b> REDLMA
2872	P28072	146	QEGGQV <b>Y</b> SVPMGG
2873	P28072	177	GYVDAT <b>Y</b> REGMTK
2874	P28223	28	NDDTRL <b>Y</b> SNDFNS
2875	P28223	111	LQNATN <b>Y</b> FLMSLA
2876	P28223	139	LTILYG <b>Y</b> RWPLPS
2877	P28370	144	LISAGD <b>Y</b> RHRSTE
2878	P28370	177	FEVSPS <b>Y</b> VKGGPL
2879	P28370	186	GGPLRD <b>Y</b> QIRGLN
2880	P28370	198	NWLISL <b>Y</b> ENG
2881	P28370	224	TIALLG <b>Y</b> LKHYN
2882	P28370	228	LGYLKH <b>Y</b> RNIPGP
2883	P28370	290	DVCVTS <b>Y</b> EMVIKE
2884	P28370	307	KKFHW <b>Y</b> LVIDEA
2885	P28370	416	KKEIKI <b>Y</b> LGLSKM
2886	P28370	427	KMQREW <b>Y</b> TKILMK
2887	P28370	464	KCCNH <b>Y</b> PLFDGAE
2888	P28370	475	AEPP <b>Y</b> TTDEHI
2889	P28370	521	LDILED <b>Y</b> CMWRGY

2890	P28370	527	YCMWRG <b>Y</b> EYCRLD
2891	P28370	529	MWRGYE <b>Y</b> CRLDGQ
2892	P28370	757	RERKAN <b>Y</b> AVDAYF
2893	P28370	762	NYAVDA <b>Y</b> FREALR
2894	P28370	806	LEKEIL <b>Y</b> YRKTIG
2895	P28370	807	EKEIL <b>Y</b> YRKTIGY
2896	P28370	875	IKANEK <b>Y</b> GRDDID
2897	P28370	898	PEEVME <b>Y</b> SAVFE
2898	P28370	943	DAKIAR <b>Y</b> KAPFHQ
2899	P28370	962	TSKGKN <b>Y</b> TEEEDR
2900	P28370	985	FDRENV <b>Y</b> EELRQC
2901	P28749	274	EHYFKP <b>Y</b> ISKLFD
2902	P28749	309	NKEYEE <b>Y</b> VLTVGD
2903	P28749	469	LAEIL <b>Y</b> YKILETV
2904	P29083	20	LKRLAK <b>Y</b> VIRGFY
2905	P29083	26	YVIRGF <b>Y</b> GIEHAL
2906	P29083	188	EQIEPI <b>Y</b> ALLRET
2907	P29144	33	LCRYPE <b>Y</b> DGRGVL
2908	P29144	407	KLPANQ <b>Y</b> TWSSRG
2909	P29144	707	YRSHEF <b>Y</b> KFCSLP
2910	P29317	48	GWLTHP <b>Y</b> GKGWDL
2911	P29317	65	MNDMPI <b>Y</b> MYSVCN
2912	P29317	67	DMPI <b>Y</b> MYSVCNVM
2913	P29317	87	LRTNWW <b>Y</b> RGEAER
2914	P29317	122	KETFN <b>Y</b> LYAESDL
2915	P29317	123	ETFN <b>Y</b> LYAESDLD
2916	P29317	197	LLSVRV <b>Y</b> YKKCPE
2917	P29317	266	CLCQAG <b>Y</b> EKVEDA
2918	P29317	334	PPSAPH <b>Y</b> LTAVGM
2919	P29317	385	CEASVR <b>Y</b> SEPPHG
2920	P29317	408	LEPHMN <b>Y</b> TFTVEA
2921	P29317	469	QSRVWK <b>Y</b> EVTYRK
2922	P29317	473	WKYEVT <b>Y</b> RKKGDS
2923	P29317	503	LAPDTT <b>Y</b> LVQVQA
2924	P29317	575	QSPEDV <b>Y</b> FSKSEQ
2925	P29317	594	YVDPHT <b>Y</b> EDPNQA
2926	P29317	652	KTLKAG <b>Y</b> TEKQRV
2927	P29317	685	EGVISK <b>Y</b> KPMMII
2928	P29317	694	MMIITE <b>Y</b> MENGAL
2929	P29317	772	DDPEAT <b>Y</b> TTSGGK
2930	P29317	791	APEAIS <b>Y</b> RKFTSA
2931	P29317	813	MWEVMT <b>Y</b> GERPYW
2932	P29317	818	TYGERP <b>Y</b> WELSNH
2933	P29317	847	DCPSAI <b>Y</b> QLMMQC
2934	P29350	61	QNSGDF <b>Y</b> DLYGGE
2935	P29350	78	LTELVE <b>Y</b> YTQQQG
2936	P29350	79	TELVE <b>Y</b> YTQQQGV
2937	P29350	98	TIIHLK <b>Y</b> PLNCSD
2938	P29350	111	PTSERW <b>Y</b> HGHMSG
2939	P29350	176	MCEGGR <b>Y</b> TVGGLE
2940	P29350	208	ASGAFV <b>Y</b> LRQPYY
2941	P29350	213	VYLRQP <b>Y</b> YATRVN
2942	P29350	214	YLRQP <b>Y</b> YATRVNA
2943	P29350	276	NKGKNR <b>Y</b> KNILPF
2944	P29350	301	NIPGSD <b>Y</b> INANYI
2945	P29350	306	DYINAN <b>Y</b> IKNQLL
2946	P29350	321	DENAKT <b>Y</b> IASQGC
2947	P29350	364	RNKCVP <b>Y</b> WPEVGM



2948	P29350	374	VGMQRAYG <b>P</b> YSVT
2949	P29350	390	EHD <b>T</b> TE <b>Y</b> KLRTLQ
2950	P29350	412	IREI <b>W</b> H <b>Y</b> QYLSWP
2951	P29350	414	EI <b>W</b> H <b>Y</b> QYLSWPDH
2952	P29350	505	VQTEA <b>Q</b> <b>Y</b> KFIYVA
2953	P29350	509	AQ <b>Y</b> KFI <b>Y</b> V <b>A</b> IAQF
2954	P29350	541	E <b>Y</b> GNIT <b>Y</b> PPAMKN
2955	P29474	163	VAATGT <b>Y</b> QLRESE
2956	P29474	254	LVR <b>Y</b> AG <b>Y</b> RQQDGS
2957	P29474	609	PEQ <b>H</b> KS <b>Y</b> KIRFNS
2958	P29508	29	KEN <b>N</b> IF <b>Y</b> SPISIT
2959	P29508	99	NK <b>S</b> TD <b>A</b> ELKIAN
2960	P29508	119	YLFLQ <b>E</b> YLD <b>A</b> IKK
2961	P29590	305	E <b>A</b> VD <b>A</b> R <b>Y</b> Q <b>R</b> DYEE
2962	P29590	464	SIK <b>G</b> PS <b>Y</b> GEDVSN
2963	P29590	826	LKK <b>Y</b> SR <b>Y</b> LSLQTT
2964	P29597	108	YFRIR <b>F</b> <b>Y</b> FRNWHG
2965	P29597	123	PREPA <b>V</b> <b>Y</b> RCGPPG
2966	P29597	259	QMVMV <b>K</b> <b>Y</b> LATLER
2967	P29597	376	REPLW <b>A</b> <b>Y</b> FCDFRD
2968	P29597	433	TADSS <b>H</b> <b>Y</b> LCHEVA
2969	P29597	471	RPEDGL <b>Y</b> LIHWST
2970	P29597	481	WSTSH <b>P</b> <b>Y</b> RLILTV
2971	P29597	656	DIALAF <b>Y</b> ETASLM
2972	P29597	689	NIMVTE <b>Y</b> VEHG <b>P</b> L
2973	P29597	851	TSQCL <b>T</b> <b>Y</b> EPTQRP
2974	P29597	896	TVF <b>H</b> KR <b>Y</b> LKKIRD
2975	P29597	914	FGKVSL <b>Y</b> CYDPTN
2976	P29597	916	KVSL <b>Y</b> C <b>Y</b> DPTNDG
2977	P29597	955	DILRT <b>L</b> <b>Y</b> HEHI <b>I</b> K
2978	P29597	962	HEHI <b>I</b> K <b>Y</b> KGCCED
2979	P29597	980	LQLVME <b>Y</b> VPLGSL
2980	P29597	989	LGSLRD <b>Y</b> LPRHSI
2981	P29597	1019	YLHAQ <b>H</b> <b>Y</b> IHRDLA
2982	P29597	1055	PEGHE <b>Y</b> <b>Y</b> RVREDG
2983	P29597	1068	DSPVFW <b>Y</b> APECLK
2984	P29597	1079	LKEYKF <b>Y</b> YASDVW
2985	P29597	1080	KEYKF <b>Y</b> YASDVWS
2986	P29597	1145	KCPCEV <b>Y</b> HLMKNC
2987	P29597	1176	KTVHEK <b>Y</b> Q <b>G</b> QAPS
2988	P29692	18	WFDK <b>F</b> K <b>Y</b> DDAERR
2989	P29692	182	EERLR <b>Q</b> <b>Y</b> AEKKAK
2990	P29692	238	KLVPV <b>G</b> <b>Y</b> GIRKLQ
2991	P30040	47	LDTVTF <b>Y</b> KVIPKS
2992	P30040	96	EVGISD <b>Y</b> GDKLNM
2993	P30040	108	MELSEK <b>Y</b> KLDKES
2994	P30040	115	KLDKES <b>Y</b> PVFYLF
2995	P30040	119	ESYPV <b>F</b> <b>Y</b> LFRDGD
2996	P30040	132	FENPVP <b>Y</b> TGAVKV
2997	P30040	151	LKGQGV <b>Y</b> LGMPGC
2998	P30040	161	PGCLPV <b>Y</b> DALAGE
2999	P30040	202	KKWAE <b>Q</b> <b>Y</b> LKIMGK
3000	P30260	58	GKAYK <b>A</b> <b>Y</b> RLLKGH
3001	P30260	604	PNYAY <b>A</b> <b>Y</b> TLLGHE
3002	P30260	740	PKESLV <b>Y</b> FLIGKV
3003	P30291	132	KSPAAP <b>Y</b> FLGSSF
3004	P30291	325	RLDGCI <b>Y</b> AIKRSK
3005	P30291	362	HSHVVR <b>Y</b> FSAWAE

3006	P30304	391	CRYPY <b>E</b> YEGGHIK
3007	P30304	444	GPRMCR <b>Y</b> VREDR
3008	P30304	486	YCEPPS <b>Y</b> RPMHHE
3009	P30305	396	RELIGD <b>Y</b> SKAFLL
3010	P30305	444	VDCRYP <b>Y</b> EYEGGH
3011	P30305	542	FCEPQD <b>Y</b> RPMNHE
3012	P30307	212	VSRSG <b>L</b> YRSPSMP
3013	P30307	326	GLIEKF <b>Y</b> VIDCRY
3014	P30307	348	QGALNL <b>Y</b> SQEELF
3015	P30411	95	CTVAEI <b>Y</b> LGNLAA
3016	P30411	215	TACVIS <b>Y</b> PSLIWE
3017	P30411	322	IASFM <b>A</b> YNSCLN
3018	P30519	75	LATTAL <b>Y</b> FTYSAL
3019	P30519	134	PKAAQ <b>K</b> YVERIHY
3020	P30519	202	QQFKQ <b>L</b> YRARMNA
3021	P30530	115	LSDTGQ <b>Y</b> QCLVFL
3022	P30530	132	FVSQPG <b>Y</b> VGLEGL
3023	P30530	140	GLEGLP <b>Y</b> FLEEPE
3024	P30530	253	PGLSGI <b>Y</b> PLTHCT
3025	P30530	305	LHPHTP <b>Y</b> HIRVAC
3026	P30530	367	QGTLLG <b>Y</b> RLAYQG
3027	P30530	371	LGYRLA <b>Y</b> QQQDTP
3028	P30530	409	TVCVA <b>A</b> YTAAGDG
3029	P30530	452	FSWPWW <b>Y</b> VLLGAV
3030	P30530	481	RKKETR <b>Y</b> GEVFEP
3031	P30530	498	GELVVR <b>Y</b> RVRKSY
3032	P30530	504	YRVRKS <b>Y</b> SRRTTE
3033	P30530	634	LHSFLL <b>Y</b> SRLGDQ
3034	P30530	643	LGDQP <b>V</b> YLPQML
3035	P30530	662	IASGME <b>Y</b> LSTKRF
3036	P30530	698	GLSKKI <b>Y</b> NGDYR
3037	P30530	702	KIYNGD <b>Y</b> YRQGRI
3038	P30530	750	TRGQTP <b>Y</b> PGVENS
3039	P30530	759	VENSEI <b>Y</b> DYLRQG
3040	P30530	761	NSEI <b>Y</b> DYLRQGNR
3041	P30530	830	MDEGGG <b>Y</b> PEPPGA
3042	P30566	13	HGSPDS <b>Y</b> RSPLAS
3043	P30566	34	FVFSDR <b>Y</b> KFRTWR
3044	P30566	466	FLEEEV <b>Y</b> PLLKPY
3045	P30793	75	PNLAA <b>A</b> YSSILSS
3046	P30793	109	QFFTKG <b>Y</b> QETISD
3047	P30793	175	ARIVEI <b>Y</b> SRRLQV
3048	P30990	105	EAMLT <b>I</b> YQLHKIC
3049	P30990	146	IKRKIP <b>Y</b> ILKRQL
3050	P30990	161	NKPRRP <b>Y</b> ILKRDS
3051	P31040	55	DSISAQ <b>Y</b> PVVDHE
3052	P31040	124	NWRWHF <b>Y</b> DTVKGS
3053	P31040	141	DQDAIH <b>Y</b> MTEQAP
3054	P31040	156	VVELEN <b>Y</b> GMPFSR
3055	P31040	169	TEDGKI <b>Y</b> QRAFGG
3056	P31040	205	SLLHTL <b>Y</b> GRSLRY
3057	P31040	211	YGRSLR <b>Y</b> DTSYFV
3058	P31040	219	TSYFVE <b>Y</b> FALDLL
3059	P31040	259	VVATGG <b>Y</b> GRTYFS
3060	P31040	263	GGYGRT <b>Y</b> FSCTSA
3061	P31040	301	FHPTGI <b>Y</b> GAGCLI
3062	P31040	330	ERFMER <b>Y</b> APVAKD
3063	P31040	365	PEKDHV <b>Y</b> LQLHHL

3064	P31040	408	VLPTVH <b>Y</b> NMGGIP
3065	P31040	417	GGIPTN <b>Y</b> KGQVLR
3066	P31040	436	QIVPGL <b>Y</b> ACGEAA
3067	P31040	543	GKISK <b>L</b> YGDLKHL
3068	P31040	580	CALQTI <b>Y</b> GAEARK
3069	P31040	597	AHARE <b>D</b> YKVRIDE
3070	P31040	604	KVRIDE <b>Y</b> DYSKPI
3071	P31040	606	RIDEY <b>D</b> YSKPIQG
3072	P31040	629	RKHTLS <b>Y</b> VDVGTG
3073	P31040	641	GKVTLE <b>Y</b> RPVIDK
3074	P31151	20	IDMFHK <b>Y</b> TRRDDK
3075	P31151	54	DKKGTN <b>Y</b> LADVFE
3076	P31151	86	GDIATD <b>Y</b> HKQSHG
3077	P31269	91	HHHHHP <b>Y</b> VHPQAP
3078	P31269	107	AAPDGR <b>Y</b> MRSWLE
3079	P31269	237	LTRDRR <b>Y</b> EVARLL
3080	P31327	89	AITDP <b>A</b> YKGQILT
3081	P31327	389	GPIDTE <b>Y</b> LFDSEFF
3082	P31327	582	AADTIG <b>Y</b> PVMIRS
3083	P31645	107	NVWRF <b>P</b> YICYQNG
3084	P31645	110	RFPYIC <b>Y</b> QNGGGA
3085	P31645	121	GAFL <b>L</b> PYTIMAIF
3086	P31645	134	GGIPL <b>F</b> YMEALAG
3087	P31645	163	IFKGIG <b>Y</b> AICIIA
3088	P31645	171	ICIIAF <b>Y</b> IASYYN
3089	P31645	175	AFYIAS <b>Y</b> YNTIMA
3090	P31645	176	FYIAS <b>Y</b> YNTIMAW
3091	P31645	185	IMAWAL <b>Y</b> YLISSE
3092	P31645	212	TGNCTN <b>Y</b> FSEDNI
3093	P31645	267	LIFTVI <b>Y</b> FESIWK
3094	P31645	289	VTATFP <b>Y</b> IILSVL
3095	P31645	312	WRGVLF <b>Y</b> LKPNWQ
3096	P31645	350	LLAFAS <b>Y</b> NKFNNN
3097	P31645	358	KFN <b>N</b> NCYQDALVT
3098	P31645	385	IFTVLG <b>Y</b> MAEMRN
3099	P31645	410	SLLFIT <b>Y</b> AEAIAN
3100	P31645	495	VKLLEE <b>Y</b> ATGPAV
3101	P31645	516	VAVSWF <b>Y</b> GITQFC
3102	P31645	568	QLRLFQ <b>Y</b> NPYWS
3103	P31645	570	RLFQYN <b>Y</b> PYWSII
3104	P31645	579	WSIILG <b>Y</b> CIGTSS
3105	P31645	592	FICIPT <b>Y</b> IAYRLI
3106	P31645	595	IPTYIA <b>Y</b> RLIITP
3107	P31751	38	DGSFIG <b>Y</b> KERPEA
3108	P31751	316	FCGTPE <b>Y</b> LAPEVL
3109	P31751	456	ITPPDR <b>Y</b> DSLGLL
3110	P31948	75	PDWGKG <b>Y</b> SRKAAA
3111	P31948	236	ELGNDA <b>Y</b> KKKDFD
3112	P31948	431	PTFIKG <b>Y</b> TRKAAA
3113	P31949	24	IAVFQK <b>Y</b> AGKDG
3114	P31949	30	YAGKDG <b>Y</b> NYTL
3115	P31949	32	SKTE
3116	P31995	99	GKDGYN <b>Y</b> TL
3117	P31995	111	SKTE
3118	P31995	194	THTQPS <b>Y</b> RFKANN
3119	P31995	202	NNDSGE <b>Y</b> TCQTGQ
3120	P31995	205	HSMSGD <b>Y</b> HCTGNI
3121	P31995	246	CTGNIG <b>Y</b> TLYSSK
			NIGYTL <b>Y</b> SSK
			PVT
			AVVALI <b>Y</b> CRKKRI

3122	P31995	287	EETNND <b>Y</b> ETADGG
3123	P32004	325	GSARH <b>A</b> Y <b>Y</b> VTVEA
3124	P32004	648	NAP <b>I</b> E <b>K</b> <b>Y</b> DIEFED
3125	P32004	1151	RSKGG <b>K</b> <b>Y</b> SVKDKE
3126	P33121	44	ALTTF <b>W</b> <b>Y</b> ATRPKP
3127	P33121	230	IVVMD <b>A</b> <b>Y</b> GSELVE
3128	P33121	577	EKIEN <b>I</b> <b>Y</b> MRSEPV
3129	P33241	125	RPGLH <b>A</b> <b>Y</b> EKEDSD
3130	P33241	234	DQWLE <b>Q</b> <b>Y</b> TQAIET
3131	P33241	328	ATGHG <b>K</b> <b>Y</b> EKVLVE
3132	P33316	136	SARA <b>A</b> <b>G</b> <b>Y</b> DLYSAY
3133	P33316	144	LYS <b>A</b> <b>Y</b> <b>D</b> <b>Y</b> TIPME
3134	P33316	167	ALPSG <b>C</b> <b>Y</b> GRVAPR
3135	P33764	19	VCTF <b>Q</b> <b>E</b> <b>Y</b> AGRCGD
3136	P33764	55	EFRECD <b>Y</b> NKFMSV
3137	P33764	75	EVDFV <b>E</b> <b>Y</b> VRSLAC
3138	P33993	33	GKKQ <b>F</b> <b>K</b> <b>Y</b> GNQLVR
3139	P33993	88	QELL <b>P</b> <b>Q</b> <b>Y</b> KEREVV
3140	P33993	580	PESL <b>A</b> <b>D</b> <b>Y</b> ITAAYV
3141	P34059	108	AHARN <b>A</b> <b>Y</b> TP <b>Q</b> EIV
3142	P34059	170	NCHF <b>G</b> <b>P</b> <b>Y</b> DNKARP
3143	P34059	191	EMVGR <b>Y</b> <b>Y</b> EEFPIN
3144	P34096	27	GLVQ <b>P</b> <b>S</b> <b>Y</b> GQDGMV
3145	P34096	52	TGGSD <b>R</b> <b>Y</b> CNLMQ
3146	P34096	122	RAPNC <b>R</b> <b>Y</b> RAIAST
3147	P34741	31	TSDK <b>M</b> <b>Y</b> LDNSSI
3148	P34741	44	EEASG <b>V</b> <b>Y</b> PIDDDD
3149	P34741	131	EEDTN <b>V</b> <b>Y</b> TEKHSD
3150	P34896	77	NKYSE <b>G</b> <b>Y</b> PGQRYV
3151	P34896	82	GYPG <b>Q</b> <b>R</b> <b>Y</b> YGGTEF
3152	P34896	128	PANFA <b>V</b> <b>Y</b> TALVEP
3153	P34947	90	LDSVA <b>E</b> <b>Y</b> EVTPE
3154	P34947	212	RATG <b>K</b> <b>Y</b> ACKRLE
3155	P34947	291	EER <b>A</b> <b>L</b> <b>F</b> <b>Y</b> AAEILC
3156	P34972	137	RYLCL <b>R</b> <b>Y</b> PPSYKA
3157	P34972	190	PLIPN <b>D</b> <b>Y</b> LLSWLL
3158	P34972	209	SGII <b>Y</b> <b>T</b> <b>Y</b> GHVLWK
3159	P34998	99	WAARV <b>N</b> <b>Y</b> SECQEI
3160	P34998	241	MFGE <b>G</b> <b>C</b> <b>Y</b> LHTAIV
3161	P34998	338	TSETI <b>Q</b> <b>Y</b> RKAVKA
3162	P35221	237	HPDVA <b>A</b> <b>Y</b> KANRDL
3163	P35221	280	GGGEL <b>A</b> <b>Y</b> ALNNFD
3164	P35221	568	NYEPG <b>V</b> <b>Y</b> TEKVLV
3165	P35222	30	HWQQ <b>S</b> <b>Y</b> LDSGIH
3166	P35222	254	VDSVL <b>F</b> <b>Y</b> AITTLH
3167	P35222	306	CLQIL <b>A</b> <b>Y</b> GNQESK
3168	P35222	432	NLTCN <b>N</b> <b>Y</b> KNKMMV
3169	P35222	489	NAVRL <b>H</b> <b>Y</b> GLPVVV
3170	P35222	604	LFVQL <b>L</b> <b>Y</b> SPIENI
3171	P35222	670	EDKP <b>Q</b> <b>D</b> <b>Y</b> KKRLSV
3172	P35222	709	QGEPL <b>G</b> <b>Y</b> RQDDPS
3173	P35222	716	RQDD <b>P</b> <b>S</b> <b>Y</b> RSFHSG
3174	P35222	724	SFHSG <b>G</b> <b>Y</b> GQDALG
3175	P35222	748	HHPG <b>A</b> <b>D</b> <b>Y</b> PVDGLP
3176	P35236	125	HASKD <b>R</b> <b>Y</b> KTILPN
3177	P35236	215	PTEE <b>E</b> <b>T</b> <b>Y</b> GPFQIR
3178	P35236	340	IQTAE <b>Q</b> <b>Y</b> QFLHHT
3179	P35269	14	SQNV <b>T</b> <b>E</b> <b>Y</b> VVRVPK

3180	P35269	273	EGQEV <b>DY</b> MSDGSS
3181	P35269	462	EDAVRR <b>YL</b> TRKPM
3182	P35270	123	STQVNN <b>YW</b> ALNLT
3183	P35270	170	FKGWAL <b>YC</b> AGKAA
3184	P35270	196	NVRVLN <b>YA</b> PGPLD
3185	P35318	10	VSVALM <b>YL</b> GSLAF
3186	P35318	52	LRMSS <b>SY</b> PTGLAD
3187	P35318	95	RIRVKR <b>YR</b> QSMNN
3188	P35367	50	LNLLVL <b>YA</b> VRSER
3189	P35367	108	FWLSMD <b>YV</b> ASTAS
3190	P35367	431	ILCWIP <b>YF</b> IFFMV
3191	P35398	311	QEEIEN <b>YQ</b> NKQRE
3192	P35398	385	VYFDGK <b>YAS</b> PDVF
3193	P35398	507	LHFPPL <b>YK</b> ELFTS
3194	P35408	94	GQPLCE <b>YST</b> FILL
3195	P35408	118	AMSVER <b>YL</b> AINHA
3196	P35408	127	INHAY <b>FY</b> SHYVDK
3197	P35520	233	SNPLAH <b>YD</b> TTADE
3198	P35520	381	PDSVRN <b>YMT</b> KFLS
3199	P35520	518	VHEQIQ <b>YH</b> STGKS
3200	P35555	66	GSRYNA <b>YCC</b> PGWK
3201	P35555	2639	CPAGFQ <b>YE</b> QFSGG
3202	P35555	2853	DKYDKD <b>YLS</b> GELG
3203	P35558	235	ISFGSG <b>YGG</b> NSLL
3204	P35558	493	GYNFGK <b>YLA</b> HWLS
3205	P35558	557	KLTPIG <b>YIP</b> KEDA
3206	P35568	18	DVRKVG <b>YLR</b> KPKS
3207	P35568	46	GPARLE <b>YY</b> ENEKK
3208	P35568	47	PARLE <b>YY</b> ENEKKW
3209	P35568	87	KHLVAL <b>YTR</b> DEHF
3210	P35568	107	AEQDSW <b>YQA</b> LLQL
3211	P35568	151	AGEDLS <b>YGD</b> VPPG
3212	P35568	183	KNLIGI <b>YRL</b> CLTS
3213	P35568	431	FISSDE <b>YGS</b> SPCD
3214	P35568	483	TAPNGH <b>YIL</b> SRGG
3215	P35568	551	VASIEE <b>YTE</b> MPPA
3216	P35568	558	TEMMPA <b>YPP</b> GGGS
3217	P35568	582	FVPTRS <b>YPE</b> EGL
3218	P35568	695	VPSGTS <b>YGL</b> LWTN
3219	P35568	732	LPCTGD <b>YMN</b> MSPV
3220	P35568	750	SSPDC <b>YYG</b> PEDP
3221	P35568	751	SPSDCY <b>YGP</b> EDPQ
3222	P35568	764	HKPVLS <b>YYSL</b> PRS
3223	P35568	765	KPVLS <b>YYS</b> LPRSF
3224	P35568	800	SSGRLL <b>YA</b> ATADD
3225	P35568	820	DSLGGG <b>YCG</b> ARLE
3226	P35568	908	GSDQSG <b>YLS</b> GPVA
3227	P35568	1001	SCPRQS <b>YVD</b> TSPA
3228	P35568	1012	PAAPVS <b>YAD</b> MRTG
3229	P35611	189	VPFGLL <b>YSE</b> VTAS
3230	P35611	395	YRTGYP <b>YRY</b> PALR
3231	P35611	419	PASVTG <b>YSF</b> ASDG
3232	P35612	377	MLDNLG <b>YRT</b> GYTY
3233	P35612	440	LNTPNT <b>YLR</b> VNVA
3234	P35612	489	NQFVPL <b>YTD</b> PQEV
3235	P35637	25	TQPGQG <b>YSQ</b> SSQ
3236	P35637	122	SSQSSS <b>YGP</b> QSG
3237	P35637	479	RGGRGG <b>YDR</b> GGYR

3238	P35659	351	QICKKVYENYPTY
3239	P35659	354	KKVYENYPTYDLT
3240	P35659	357	YENYPTYDLTERK
3241	P35900	121	RDYSAYYRQIEEL
3242	P35900	159	EDFRLKYETERGI
3243	P35900	384	DVKTTETYQLSTLE
3244	P35916	25	DGLVSGYSMTPPT
3245	P35916	113	GSYVCYKYIKAR
3246	P35916	115	YVCYKYIKARIE
3247	P35916	129	TTAASSYVFVRDF
3248	P35916	230	ITGNELYDIQLLP
3249	P35916	268	VTFDWDYPGKQAE
3250	P35916	308	QHDLGSYVCKANN
3251	P35916	361	PVKLAAYPPPEFQ
3252	P35916	369	PPEFQWYKDGKAL
3253	P35916	397	EASTGTYTLALWN
3254	P35916	435	ASSPSIYSRHSRQ
3255	P35916	448	ALTCTAYGVPLPL
3256	P35916	532	ANVSAMYKCVVSN
3257	P35916	548	QDERLIYFYVTTI
3258	P35916	583	SCQADSYKYEHLR
3259	P35916	585	QADSYKYEHLRWY
3260	P35916	651	PEHEGHYVCEVQD
3261	P35916	669	KHCHKKYLSVQAL
3262	P35916	746	EEDAGRYLCSVCN
3263	P35916	812	ADIKTGYSIIMD
3264	P35916	932	IVEFCKYGNLSNF
3265	P35916	1017	MEDLVCYSFQVAR
3266	P35916	1091	SIFDKVYTTQSDV
3267	P35916	1115	SLGASPYPGVQIN
3268	P35968	101	GNDTGAYKCFYRE
3269	P35968	137	DQHGVMYITENKN
3270	P35968	165	VSLCARYPEKRFB
3271	P35968	190	GFTIPSYMISYAG
3272	P35968	194	PSYMISYAGMVFC
3273	P35968	214	SYQSIMYIVVVVG
3274	P35968	221	IVVVGYRIYDVV
3275	P35968	224	VVGRIYDVVLSP
3276	P35968	354	VRIPAKYLGYPFP
3277	P35968	357	PAKYLYPPPEIK
3278	P35968	365	PPEIKWYKNGIPL
3279	P35968	396	ERDTGNYTVILTN
3280	P35968	448	TLTCTVYAIPPPH
3281	P35968	480	VSVTNYPCEEWR
3282	P35968	528	ANVSALYKCEAVN
3283	P35968	584	FENLTWYKLGPPQ
3284	P35968	640	LQDQGDYVCLAQD
3285	P35968	735	KEDEGLYTCQACS
3286	P35968	822	HCERLPYDASKWE
3287	P35968	927	FGNLSTYLRSKRN
3288	P35968	938	RNEFVPYKTKGAR
3289	P35968	1008	LEHLICYSFQVAK
3290	P35968	1130	RMRAPDYTTPEMY
3291	P35968	1223	TAGISQYLQNSKR
3292	P36507	134	PYIVGFYGAFYSD
3293	P36507	233	FVGTRSYMAPERL
3294	P36507	324	IFELLDYIVNEPP
3295	P36578	52	KNNRQPYAVSELA

3296	P36578	122	NTTQKR <b>Y</b> AICSAL
3297	P36578	331	MLKLN <b>PY</b> AKTMRR
3298	P36871	232	HGVVGP <b>Y</b> VKKILC
3299	P36871	466	SANDKV <b>Y</b> TVEKAD
3300	P36871	476	KADNFE <b>Y</b> SDPVDG
3301	P36888	53	VGKSSS <b>Y</b> PMVSES
3302	P36888	141	ETQAGE <b>Y</b> LLFIQS
3303	P36888	152	QSEATN <b>Y</b> TILFTV
3304	P36888	166	IRNTLL <b>Y</b> TLRRPY
3305	P36888	172	YTLRRP <b>Y</b> FRKMEN
3306	P36888	303	YFEMST <b>Y</b> STNRTM
3307	P36888	327	ARNDTG <b>Y</b> YTCSSS
3308	P36888	328	RNDTG <b>Y</b> YTCSSSK
3309	P36888	359	TNSSED <b>Y</b> EIDQYE
3310	P36888	364	DYEIDQ <b>Y</b> EEF CFS
3311	P36888	376	SVRFKA <b>Y</b> PQIRCT
3312	P36888	401	KGLDNG <b>Y</b> SISKFC
3313	P36888	517	LVKCCA <b>Y</b> NSLGTS
3314	P36888	566	LLICK <b>Y</b> KKQFRY
3315	P36888	597	YVDFRE <b>Y</b> EYDLKW
3316	P36888	688	TLSGPI <b>Y</b> LIFEYC
3317	P36888	696	IFEYCC <b>Y</b> GDLLNY
3318	P36888	702	YGDLLN <b>Y</b> LRSKRE
3319	P36888	865	SLFEGI <b>Y</b> TIKSDV
3320	P36888	874	KSDVWS <b>Y</b> GILLWE
3321	P36888	889	SLGVNP <b>Y</b> PGIPVD
3322	P36888	899	PVDANF <b>Y</b> KLIQNG
3323	P36888	913	KMDQPF <b>Y</b> ATEEY
3324	P36888	919	YATEEI <b>Y</b> IIMQSC
3325	P36896	44	SCLQAN <b>Y</b> TCETDG
3326	P36896	83	PAGKPF <b>Y</b> CLSSD
3327	P36896	97	RNTHCC <b>Y</b> TDYCNR
3328	P36896	100	HCCYTD <b>Y</b> CNRIDL
3329	P36896	151	VFLVIN <b>Y</b> HQRVYH
3330	P36896	156	NYHQRV <b>Y</b> HNRQRL
3331	P36896	184	TLQDLV <b>Y</b> DLSTSG
3332	P36896	251	FREA <b>EY</b> QTVMLR
3333	P36896	284	LWLVS <b>DY</b> HEHGSL
3334	P36896	293	HGSLFD <b>Y</b> LNRYTV
3335	P36896	297	FDYLN <b>RY</b> TVTIEG
3336	P36896	404	FKCADI <b>Y</b> ALGLVY
3337	P36896	410	YALGLV <b>Y</b> WEIARR
3338	P36896	426	GGVHEE <b>Y</b> QLPYD
3339	P36896	430	EEYQLP <b>Y</b> YDLVPS
3340	P36896	431	EYQLP <b>Y</b> YDLVPSD
3341	P36896	463	PNWWQ <b>S</b> YALRVM
3342	P36896	478	MMREC <b>WY</b> ANGAAR
3343	P36955	63	AVSNFG <b>Y</b> DLYRVR
3344	P36955	232	TSLEDF <b>Y</b> LDEERT
3345	P36955	321	PKLKLS <b>Y</b> EGEVTK
3346	P37802	8	ANRGPA <b>Y</b> GLSREV
3347	P37802	22	QKIEKQ <b>Y</b> DADLEQ
3348	P37802	70	ELINAL <b>Y</b> PEGQAP
3349	P37840	39	TKEGV <b>L</b> YVGSKTK
3350	P38117	16	VKRVID <b>Y</b> AVKIRV
3351	P38117	192	RLNEPR <b>Y</b> ATLPNI
3352	P38159	206	PSRRDV <b>Y</b> LSPRDD
3353	P38159	288	RDSY <b>ES</b> YGNRSRA



3354	P38159	327	GGSRDSYSSSRSD
3355	P38398	655	EIKKKKYNQMPVR
3356	P38398	831	DTEGFKYPLGHEV
3357	P38398	1113	EIKKQYEEVVQT
3358	P38432	128	TEPDCKYSKKHWK
3359	P38432	193	KKEKCEYKKKAKN
3360	P38432	461	ETPKKDYSLPLL
3361	P38646	118	NPNNTFYATKRLI
3362	P38646	196	VITVPAYFNDSQR
3363	P38646	652	KLFEMAYKKMASE
3364	P38919	155	DIRKLDYGQHVVA
3365	P38919	205	EQIYDVYRYLPPA
3366	P38919	396	RDIEQYYSTQIDE
3367	P38935	92	GDIVGLYDAANEG
3368	P38935	134	LDRENSYRLKLA
3369	P38935	651	DIVPENYSHENSQ
3370	P38936	77	LGLPKLYLPTGPR
3371	P38936	151	TSMTDFYHSKRRL
3372	P39748	69	HLMGMFYRTIRMM
3373	P39748	173	VKAGKVYAAATED
3374	P39748	268	RLDPNKYPVPENW
3375	P40189	380	KSHLQNYTVNATK
3376	P40189	683	NSKDQMYSDGNFT
3377	P40189	905	EGMPKSYLPQTVR
3378	P40429	112	DGIPPPYDKKKRM
3379	P40429	149	HEVGWKYQAVTAT
3380	P40429	192	EKKIDKYTEVLKT
3381	P40763	14	QQLDTRYLEQLHQ
3382	P40763	22	EQLHQLYSDSFPM
3383	P40763	45	ESQDWAYAASKES
3384	P40763	68	GEIDQQYSRFLQE
3385	P40763	79	QESNVLYQHNLR
3386	P40763	94	QFLQSRYLEKPME
3387	P40763	176	DDDFDNKYKTLKSQ
3388	P40763	230	LLSAMEYVQKTLT
3389	P40763	293	LQQKVSYKGDPIV
3390	P40763	360	KFPELNYQLKIKV
3391	P40763	446	TFETEYVYHQGLKI
3392	P40763	480	WASILWYNMLTNN
3393	P40763	539	LGPGVNYSGCQIT
3394	P40763	575	IDLVKKYILALWN
3395	P40763	584	ALWNEGyimGFIS
3396	P40763	640	IQSVEPYTKQQLN
3397	P40763	657	AEIIMGYKIMDAT
3398	P40763	672	LVSPLYLYPDIP
3399	P40763	674	SPLVYLYPDIPKE
3400	P40763	686	EEAFGKYCRPESQ
3401	P40925	192	NHSSTQYPDVNHA
3402	P40925	210	GKEVGVYEALKDD
3403	P40925	278	ISDGNSYGVPPDL
3404	P40926	56	VSRLTLYDIAHTP
3405	P40926	80	KAAVKGYLGPEQL
3406	P40926	161	FKKHGVYNPNKIF
3407	P41091	89	YANAKIYKLDDPS
3408	P41091	238	IEVVCEYIVKKIP
3409	P41091	375	TELEISYFLLRRL
3410	P41181	89	VLRAAFYVAAQLL
3411	P41181	178	HLLGIHYTGCSMN

3412	P41181	219	ILGSLLYNYVLFP
3413	P41182	198	PASYSMYSHLPVS
3414	P41182	557	CQASFRYKGNLAS
3415	P41182	602	HSGEKPYKCETCG
3416	P41212	60	LRLQPIYWSRDDV
3417	P41212	114	HSGDVLYELLOWHI
3418	P41212	401	SRALRHYKLNII
3419	P41227	31	NYQMKYFYHGLS
3420	P41227	43	SWPQLSYIAEDEN
3421	P41227	138	EVEPKYADGEDA
3422	P41235	15	DMDMADYSAALDP
3423	P41235	23	AALDPAYTTLEFE
3424	P41235	94	VRKNHMYSCRFSR
3425	P41240	18	TECIAKYNFHGTA
3426	P41240	48	TKDPNWKAKNKV
3427	P41240	64	GIIIPANYVQKREG
3428	P41240	97	QAERLLYPPETGL
3429	P41240	112	VRESTNYPGDYTL
3430	P41240	116	TNYPGDYTLCVSC
3431	P41240	129	DGKVEHYRIMYHA
3432	P41240	133	EHYRIMYHASKLS
3433	P41240	145	SIDEEVYFENLMQ
3434	P41240	156	MQLVEHYTSDADG
3435	P41240	214	DVMLGDYRGNKVA
3436	P41240	263	EEKGGLYIVTEYM
3437	P41240	268	LYIVTEYMAKGSL
3438	P41240	277	KGSLVDYLRSRGR
3439	P41240	380	ILLWEIYSFGRVP
3440	P41240	387	SFGRVPYPRIPLK
3441	P41240	403	PRVEKGYKMDAPD
3442	P41279	99	NTAKHFYGQRPQE
3443	P41279	121	TPQNGRYQIDSDV
3444	P41279	194	ENIAELYGAVLWG
3445	P41597	26	VTTFDYYDYGAPC
3446	P41597	28	TFFDYDYGAPCHK
3447	P41597	49	QLLPPLYSLVFIF
3448	P41597	80	KCLTDIYLLNLAI
3449	P41597	120	KLFTGLYHIGYFG
3450	P41597	124	GLYHIGYFGGIF
3451	P41597	188	QKEDSVYVCGPYF
3452	P41597	193	VYVCGPYFPRGWN
3453	P41597	222	LIMVICYSGILKT
3454	P41597	252	FTIMIVYFLFWTP
3455	P41597	259	FLFWTPYNIVILL
3456	P41597	305	CINPIIYAFVGEK
3457	P41743	31	QVRVKAYYRGDIM
3458	P41743	32	VRVKAYYRGDIMI
3459	P41743	93	EEAFRLYELNKDS
3460	P41743	125	GEDKSIYRRGARR
3461	P41743	136	RRWRKLYCANGHT
3462	P41743	169	GLGRQGYKCINCK
3463	P41743	219	AQTVIPYNPSSHE
3464	P41743	358	EEHARFYSAEISL
3465	P41743	368	ISLALNYLHERGI
3466	P41743	376	HERGIIYRDLKLD
3467	P41743	397	HIKLTGYGMCKEG
3468	P41743	419	FCGTPNYIAPEIL
3469	P41743	430	ILRGEDYGFSDWD

3470	P41743	469	DQNTED <b>Y</b> LFQVIL
3471	P41743	584	EFEGFE <b>Y</b> INPLLM
3472	P42229	22	RQMQVL <b>Y</b> GQHFPI
3473	P42229	33	PIEVRH <b>Y</b> LAQWIE
3474	P42229	90	KIKLGH <b>Y</b> ATQLQK
3475	P42229	98	TQLQKT <b>Y</b> DRCPL
3476	P42229	114	CIRHIL <b>Y</b> NEQRLV
3477	P42229	171	LQQTQ <b>Y</b> FIIQYQ
3478	P42229	176	EYFIIQ <b>Y</b> QESLRI
3479	P42229	225	AQTLQ <b>Y</b> RVELAE
3480	P42229	405	NCCVME <b>Y</b> HQATGT
3481	P42229	548	SSHLED <b>Y</b> SGLSVS
3482	P42229	568	NLPGWN <b>Y</b> TFWQWF
3483	P42229	665	RLGDLS <b>Y</b> LIYVFP
3484	P42229	668	DLSYLI <b>Y</b> VFPDRP
3485	P42229	682	DEVFSK <b>Y</b> YTPVLA
3486	P42229	683	EVFSKY <b>Y</b> TPVLAK
3487	P42229	720	GGSSAT <b>Y</b> MDQAPS
3488	P42229	735	VCPQAP <b>Y</b> NMYPQN
3489	P42229	738	QAPYNM <b>Y</b> PQNPDH
3490	P42285	173	KTVCAE <b>Y</b> AIALAL
3491	P42285	567	SAFHLT <b>Y</b> NMVLNL
3492	P42285	745	ISSVRL <b>Y</b> IPKDLR
3493	P42338	503	ENKKQ <b>Y</b> YPPFD
3494	P42338	638	DEELSQ <b>Y</b> LLQLVQ
3495	P42338	913	GYCVAS <b>Y</b> VLGIGD
3496	P42345	1220	CRIVKG <b>Y</b> TLADEE
3497	P42345	1804	FEAVLH <b>Y</b> KHQQA
3498	P42345	2225	NLSIQR <b>Y</b> AVIPLS
3499	P42574	83	TFRNLK <b>Y</b> EVNRKN
3500	P42574	204	STAPGY <b>Y</b> SWRNSK
3501	P42574	226	CAMLKQ <b>Y</b> ADKLEF
3502	P42680	26	KTSPLN <b>Y</b> KERLFV
3503	P42680	40	TKSMLT <b>Y</b> YEGRAE
3504	P42680	41	KSMLTY <b>Y</b> EGRAEK
3505	P42680	49	GRAEKK <b>Y</b> RKGFID
3506	P42680	120	NNIMIK <b>Y</b> HPKFWT
3507	P42680	130	FWTDGS <b>Y</b> QCCRQT
3508	P42680	188	EIVVAM <b>Y</b> DFQAAE
3509	P42680	223	WRARDK <b>Y</b> GNEGYI
3510	P42680	233	GYIPSN <b>Y</b> VTGKKS
3511	P42680	245	SNNLDQ <b>Y</b> EWYCRN
3512	P42680	248	LDQYEW <b>Y</b> CRNMNR
3513	P42680	281	SSQPGL <b>Y</b> TVSLYT
3514	P42680	286	LYTVSL <b>Y</b> TKFGGE
3515	P42680	300	SSGFRH <b>Y</b> HIKETT
3516	P42680	312	TTSPKK <b>Y</b> YLAEKH
3517	P42680	329	IPEIIE <b>Y</b> HKHNAA
3518	P42680	360	TTAGFS <b>Y</b> EKWEIN
3519	P42680	429	PKLVQL <b>Y</b> GVCTQQ
3520	P42680	439	TQQKPI <b>Y</b> IVTEFM
3521	P42680	479	VCEGME <b>Y</b> LERNSE
3522	P42680	513	DFGMAR <b>Y</b> VLDDQY
3523	P42680	539	PPEVFN <b>Y</b> SRFSSK
3524	P42680	569	RMPFEK <b>Y</b> TNYEVV
3525	P42680	572	FEKYTN <b>Y</b> EVVTMV
3526	P42684	80	EALHRP <b>Y</b> GCDVEP
3527	P42684	139	KLRVLG <b>Y</b> NQNGEW

3528	P42684	213	LSISLR <b>Y</b> EGRVYH
3529	P42684	220	EGRVYH <b>Y</b> RINTTA
3530	P42684	358	TLEPPF <b>Y</b> IVTEYM
3531	P42684	363	FYIVTE <b>Y</b> MPYGNL
3532	P42684	366	VTEYMP <b>Y</b> GNLLDY
3533	P42684	372	YGNLLD <b>Y</b> LRECNR
3534	P42684	388	TAVVLL <b>Y</b> MATQIS
3535	P42684	399	ISSAME <b>Y</b> LEKKNF
3536	P42684	459	APESLA <b>Y</b> NTFSIK
3537	P42684	481	LWEIAT <b>Y</b> GMSPYP
3538	P42684	486	TYGMSP <b>Y</b> PGIDLS
3539	P42684	495	IDLSQV <b>Y</b> DLLEKG
3540	P42684	502	DLLEKG <b>Y</b> RMEQPE
3541	P42684	1119	GHQLLD <b>Y</b> CSGYVD
3542	P42684	1123	LDYCSG <b>Y</b> VDCIPQ
3543	P42768	54	TAVVQL <b>Y</b> LALPPG
3544	P42768	83	DNPQKS <b>Y</b> FIRLYG
3545	P42768	88	SYFIRL <b>Y</b> GLQAGR
3546	P42768	102	LWEQEL <b>Y</b> SQLVYS
3547	P42768	107	LYSQLV <b>Y</b> STPTPF
3548	P42768	212	DITSSR <b>Y</b> RGLPAP
3549	P42771	44	PNAPNS <b>Y</b> GRRPIQ
3550	P42771	129	HRDVAR <b>Y</b> LRAAAG
3551	P42858	987	TRIYRG <b>Y</b> NLLPSI
3552	P42858	2741	DEILAQ <b>Y</b> LVPATC
3553	P42858	3126	AAPGSP <b>Y</b> HRL LTC
3554	P43220	101	VPQGHV <b>Y</b> RFACTAE
3555	P43220	145	EQLLFL <b>Y</b> IIYTVG
3556	P43220	291	GIVKYL <b>Y</b> EDEGCW
3557	P43243	213	RSQESG <b>Y</b> YDRMDY
3558	P43243	289	GLLPKG <b>Y</b> PHLCSI
3559	P43243	520	LKLAEP <b>Y</b> GKIKNY
3560	P43268	9	RRMKAG <b>Y</b> LDQQVP
3561	P43268	335	FREGPP <b>Y</b> QRRGAL
3562	P43268	402	SRSRLR <b>Y</b> YEKGIM
3563	P43351	31	CFGQCQ <b>Y</b> TAE EYQ
3564	P43351	36	QYTAE E <b>Y</b> QAIQKA
3565	P43351	51	QRLGPE <b>Y</b> I SSRMA
3566	P43351	65	GGQKVC <b>Y</b> IEGHRV
3567	P43351	81	ANEMFG <b>Y</b> NGWAHS
3568	P43351	120	QLKDGS <b>Y</b> HEDVGY
3569	P43351	126	YHEDVG <b>Y</b> GVSEGL
3570	P43351	171	CILDKD <b>Y</b> L RSLNK
3571	P43351	205	SVEEAR <b>Y</b> NSCRPN
3572	P43351	391	SWDLQT <b>Y</b> SADQRT
3573	P43403	12	AHLPPF <b>Y</b> GSISRA
3574	P43403	46	LRSLGG <b>Y</b> VLSLVH
3575	P43403	69	RQLNGT <b>Y</b> AIAGGK
3576	P43403	87	AELCEF <b>Y</b> SRDPDG
3577	P43403	164	HERMPW <b>Y</b> HSSLTR
3578	P43403	178	EAERKL <b>Y</b> SGAQTD
3579	P43403	198	RKEQGT <b>Y</b> ALS LIY
3580	P43403	204	YALS LI <b>Y</b> GKTVYH
3581	P43403	209	IYGKTV <b>Y</b> HY LISQ
3582	P43403	211	GKTVYH <b>Y</b> LISQDK
3583	P43403	221	QDKAGK <b>Y</b> CIPEGT
3584	P43403	238	LWQLVE <b>Y</b> LKLKAD
3585	P43403	357	SVRQGV <b>Y</b> RM RKKQ

3586	P43403	397	HQLDNP <b>Y</b> IVRLIG
3587	P43403	451	VSMGMK <b>Y</b> LEEKNF
3588	P43403	474	LLVNRH <b>Y</b> AKISDF
3589	P43403	506	KWPLKW <b>Y</b> APECIN
3590	P43403	525	RSDVWS <b>Y</b> GVTMWE
3591	P43403	535	MWEALS <b>Y</b> GQKPYK
3592	P43403	540	SYGQKP <b>Y</b> KKMKGP
3593	P43403	569	ECPP <b>EL</b> YALMSDC
3594	P43403	578	MSDCWI <b>Y</b> KWEDRP
3595	P43403	597	QRM <b>RAC</b> Y <b>Y</b> SLASK
3596	P43403	598	RMR <b>AC</b> Y <b>Y</b> SLASKV
3597	P43405	39	GMSDGL <b>Y</b> LLRQSR
3598	P43405	64	GRKAHH <b>Y</b> TIEREL
3599	P43405	74	RELNGT <b>Y</b> AIAGGR
3600	P43405	91	PADLCH <b>Y</b> HSQESD
3601	P43405	203	RDNNGS <b>Y</b> ALCLLH
3602	P43405	216	EGKVLH <b>Y</b> RIDKDK
3603	P43405	244	WQLVEH <b>Y</b> SYKADG
3604	P43405	246	LVEH <b>Y</b> SYKADGLL
3605	P43405	389	GT <b>V</b> KKG <b>Y</b> YQMKKV
3606	P43405	390	TV <b>V</b> KKG <b>Y</b> YQMKKV
3607	P43405	431	QQLDNP <b>Y</b> IVRMIG
3608	P43405	459	LGPLNK <b>Y</b> LQQNRH
3609	P43405	539	KWPVKW <b>Y</b> APECIN
3610	P43405	547	PECIN <b>Y</b> YKFSSKS
3611	P43405	568	MWEAFS <b>Y</b> GQKPYR
3612	P43405	573	SYGQKP <b>Y</b> RGMKGS
3613	P43405	602	GCPRE <b>MY</b> DLMNLC
3614	P43405	611	MNLCWT <b>Y</b> DVENRP
3615	P43686	112	TTGSN <b>Y</b> YVRILST
3616	P43686	239	SEFVQK <b>Y</b> LGEPR
3617	P43686	403	KDFEK <b>Y</b> KTVIKK
3618	P45985	298	SLGITL <b>Y</b> ELATGR
3619	P45985	307	ATGRFP <b>Y</b> PKWNSV
3620	P45985	380	AVEVAC <b>Y</b> VCKILD
3621	P46060	536	KAIANL <b>Y</b> GPLMAL
3622	P46060	550	HMVQQD <b>Y</b> FPKALA
3623	P46108	14	EERSSW <b>Y</b> WGRLSR
3624	P46108	47	STSPGD <b>Y</b> VLSVSE
3625	P46108	60	NSRVSH <b>Y</b> IINSSG
3626	P46108	104	PALLEF <b>Y</b> KIHYLD
3627	P46108	108	EFYKIH <b>Y</b> LDTTTL
3628	P46108	136	RQEEAE <b>Y</b> VRALFD
3629	P46108	186	GMIPVP <b>Y</b> VEKYRP
3630	P46108	190	VPYVEK <b>Y</b> RPASAS
3631	P46108	251	KRVPNA <b>Y</b> DKTALA
3632	P46531	550	LDGPNT <b>Y</b> TCVCTE
3633	P46531	850	CRQSED <b>Y</b> ESFSCV
3634	P46531	1017	PGFTGS <b>Y</b> CQHVDN
3635	P46695	67	RSRRVL <b>Y</b> PRVRR
3636	P46695	141	TSEPSD <b>Y</b> ALDLST
3637	P46734	127	FYTVTF <b>Y</b> GALFRE
3638	P46734	214	DFGISG <b>Y</b> LVDSVA
3639	P46734	316	PAERMS <b>Y</b> LELMEH
3640	P46736	142	VRTQAM <b>Y</b> QMDQG
3641	P46736	209	QKEEER <b>Y</b> ERIEIP
3642	P46736	247	QEEQDA <b>Y</b> RRIHSL
3643	P46776	48	RINF <b>DK</b> YHPGYFG

3644	P46776	61	KVGMKH <b>Y</b> HLKRNQ
3645	P46776	109	VVRSGY <b>Y</b> KVLGKG
3646	P46779	25	KRNKQT <b>Y</b> STEPNN
3647	P46779	40	ARNSFR <b>Y</b> NGLIHR
3648	P46779	77	RKPATS <b>Y</b> VRTTIN
3649	P46782	45	IAVKEK <b>Y</b> AKYLP
3650	P46782	56	PHSAGR <b>Y</b> AAKRFR
3651	P46782	188	KGSSNS <b>Y</b> AIKKKD
3652	P46783	12	KNRIAI <b>Y</b> ELLFKE
3653	P46783	68	FAWRHF <b>Y</b> WYLTNE
3654	P46783	78	TNEGIQ <b>Y</b> LRDYLH
3655	P46821	1034	DAREEE <b>Y</b> EPEKME
3656	P46821	2025	ESEGYS <b>Y</b> ETSTKT
3657	P46821	2357	PPGLPV <b>Y</b> LDLCYI
3658	P46937	188	TSSGQR <b>Y</b> FLNHID
3659	P46937	247	TQDGEI <b>Y</b> YINHKN
3660	P46937	248	QDGEI <b>Y</b> YINHKNK
3661	P46937	391	FLNSGT <b>Y</b> HSRDES
3662	P46937	444	QNRFPD <b>Y</b> LEAIPG
3663	P46940	103	DREQTR <b>Y</b> KATGLH
3664	P46940	694	HWVKG <b>Y</b> YYYHNL
3665	P46940	1192	IIGNLL <b>Y</b> YRYMNP
3666	P47710	109	FCRLNE <b>Y</b> NQLQLQ
3667	P47710	147	QLAAYP <b>Y</b> AVWYYP
3668	P47710	152	PYAVWY <b>Y</b> PQIMQY
3669	P47712	352	WVEFSP <b>Y</b> EIGMAK
3670	P47712	502	LNLNTS <b>Y</b> PLSPLS
3671	P47712	621	EGLKEC <b>Y</b> VFKPKN
3672	P47756	79	SPWSNK <b>Y</b> DPPLIED
3673	P47756	107	NNAFDQ <b>Y</b> RDLYFE
3674	P47756	167	SGRTAH <b>Y</b> KLTSTV
3675	P47895	327	FVEEQV <b>Y</b> SEFVRR
3676	P47895	337	VRRSVE <b>Y</b> AKKRPV
3677	P47895	468	TVWINC <b>Y</b> NALYAQ
3678	P47897	435	GDKWCI <b>Y</b> PTYDYT
3679	P47897	440	IYPTYD <b>Y</b> THCLCD
3680	P47897	477	CNALDV <b>Y</b> CPVQWE
3681	P47914	29	KPRSQR <b>Y</b> ESLKG
3682	P47914	98	KLDRLA <b>Y</b> IAHPKL
3683	P48047	35	RPPVQV <b>Y</b> GIEGRY
3684	P48047	82	ASVLNP <b>Y</b> VKRSIK
3685	P48047	193	VRIGEK <b>Y</b> VDMSVK
3686	P48048	79	LDLKWR <b>Y</b> KMTIFI
3687	P48048	269	ISPLTI <b>Y</b> HVIDHN
3688	P48048	373	ARMKRG <b>Y</b> DNPNFI
3689	P48059	133	ARGLGK <b>Y</b> ICQKCH
3690	P48059	154	IFKNDP <b>Y</b> HPDHFN
3691	P48059	232	FLGHRH <b>Y</b> ERKGLA
3692	P48551	20	NLVLMV <b>Y</b> ISLVFG
3693	P48551	29	LVFGIS <b>Y</b> DSPDYT
3694	P48551	34	SYDSPD <b>Y</b> TDESCT
3695	P48551	66	SIVPTH <b>Y</b> TLLYTI
3696	P48551	70	THYTLL <b>Y</b> TIMSKP
3697	P48551	106	RSTHEA <b>Y</b> VTVLEG
3698	P48551	195	MSGNFT <b>Y</b> IIDKLI
3699	P48551	206	LIPNTN <b>Y</b> CVSVYL
3700	P48551	211	NYCVSV <b>Y</b> LEHSDE
3701	P48551	269	TLKWIG <b>Y</b> ICLRNS

3702	P48551	306	DMVEVIYINRKKK
3703	P48551	316	KKKVWDYNYDDES
3704	P48551	318	KVWDYNYDDES
3705	P48551	411	PFPEEDYSSTEGS
3706	P48552	279	EAHLQQYSREHAL
3707	P48552	891	SAPEVLYGSLNQ
3708	P48552	1069	KTNPILYYMLQKG
3709	P48643	12	TLAFDEYGRPFLI
3710	P48643	420	RDNRVVYGGGAAE
3711	P48643	446	CPTLEQYAMRAFA
3712	P48735	238	AHSCFYAIQKKW
3713	P48735	285	DKNKIWEHRLID
3714	P48735	311	VWACKNYDGDVQS
3715	P48736	88	SVAADFYHRLGPH
3716	P48736	110	GQWYEIYDKYQVV
3717	P48736	972	GHILGNYKSFLGI
3718	P49023	33	EETPYSYPTGNHT
3719	P49023	40	PTGNHTYQEIAVP
3720	P49023	404	ERDGQPYCEKDYH
3721	P49023	409	PYCEKDYHNLFS
3722	P49023	418	LFSPRCYCNGPI
3723	P49023	419	FSPRCYCNCPIL
3724	P49023	463	EKDGKAYCRKDYF
3725	P49023	468	AYCRKDYFDMFAP
3726	P49023	487	RAILENYISALNT
3727	P49023	522	EHDGQPYCEVHYH
3728	P49023	527	PYCEVHYHERRGS
3729	P49023	581	EQNDKPYCQNCFL
3730	P49137	176	IGEAIQYLHSINI
3731	P49137	228	TPCYTPYYVAPEV
3732	P49137	367	ATMRVDYEQIKIK
3733	P49189	119	SWQCLEYYAGLAA
3734	P49189	372	KLKDGYYMRPCVL
3735	P49189	477	RVTIEYYSQLKTV
3736	P49327	604	EAVLAAYWRGQCI
3737	P49327	1047	SAKHGLYLPTRVT
3738	P49327	2462	EDLGADYNLSQVC
3739	P49368	126	TVVISAYRKALDD
3740	P49368	303	SDLAQHYLMRANI
3741	P49368	437	GVEQWPYRAVAQA
3742	P49407	208	SLDKEIYYHGEP
3743	P49407	249	LFNTAQYKCPVAM
3744	P49407	272	STFCKVYTLTPFL
3745	P49450	110	HLFEDAYLLTLHA
3746	P49459	63	IEFTEEYPNKPPT
3747	P49459	82	MFHPNVYADGSIC
3748	P49459	137	QENKREYEKRVSA
3749	P49588	134	IPIERLYVTYFGG
3750	P49588	295	DGIDMAYRVLADH
3751	P49588	667	EAAKAVYTQDCPL
3752	P49675	14	LCAGSSYRHRNM
3753	P49675	68	RLEETLYSDQELA
3754	P49675	134	QPMERLYEELVER
3755	P49682	160	VHATQLYRRGPPA
3756	P49682	205	NATHCQYNFPQVG
3757	P49682	235	LVMAYCYAHILAV
3758	P49715	108	GGGDFDYPGAPAG
3759	P49715	147	GRLEPLYERVGAP



3760	P49715	181	LAGLFPYQPPPP
3761	P49720	85	GRQIKPYTLMSMV
3762	P49720	96	MVANLLYEKRFGP
3763	P49720	104	KRFGPYTEPVIA
3764	P49736	234	ESLVVNYEDLAAR
3765	P49736	327	QLSMVKYNCNKC
3766	P49736	821	RKTFARYLSFRD
3767	P49756	134	AFGFCEYKEPEST
3768	P49756	475	RKKTREYEKEAER
3769	P49756	832	MWRLLIYETEAKK
3770	P49760	101	YRHSYEQRENSS
3771	P49760	347	IVSTRHYRAPEVI
3772	P49760	430	NTSAGRYVRENCK
3773	P49768	77	EELTLKYGAKHVI
3774	P49768	181	FFFSFIYLGVEFK
3775	P49768	195	YNVAVDYITVALL
3776	P49790	88	KEDHLVYADEESS
3777	P49790	260	LGDSPFYPGKTTY
3778	P49790	283	KLRNTPYQAPVRR
3779	P49795	112	AFLRTEYSEENML
3780	P49795	146	RLIYEDYVSILSP
3781	P49795	185	DAQLQIYTLMHRD
3782	P49802	114	YRFQTPYFWPSNC
3783	P49802	231	KTRKSVYGLQNDI
3784	P49802	417	VKEPGRYTFEDAQ
3785	P49815	285	LMEDRAYMEDAPL
3786	P49815	1333	DRRTDAYSRSSSV
3787	P49815	1678	IVTPLDYECNLVS
3788	P49841	56	RPQEVSYTDTKVI
3789	P49841	71	GSFGVVYQAKLCD
3790	P49841	114	NIVRLRYFFYSSG
3791	P49841	117	RLRYFFYSSGEKK
3792	P49841	127	EKKDEVYLNVLVD
3793	P49841	134	LNLVLDYVPETVY
3794	P49841	140	YVPETVYRVARHY
3795	P49841	146	YRVARHYSRKQT
3796	P49841	157	QTLPVIYVKLYMY
3797	P49841	161	VIYVKLYMYQLFR
3798	P49841	163	YVKLYMYQLFRSL
3799	P49841	171	LFRSLAYIHSFGI
3800	P49841	221	SYICSRYYRAPEL
3801	P49841	222	YICSRYYRAPELI
3802	P49841	234	IFGATDYTSSIDV
3803	P49841	288	REMNPNYTEFKFP
3804	P49841	323	CSRLLYTPPTARL
3805	P50150	44	AADLLAYCEAHVR
3806	P50402	85	KEDALLYQSKGYN
3807	P50402	95	GYNDYEEESYFT
3808	P50402	99	DYYEESYFTTRTY
3809	P50502	151	PRLAILYAKRASV
3810	P50502	213	LACKLDYDEDASA
3811	P50502	238	AEHRRKYERKREE
3812	P50548	16	AFPDWAYKPESP
3813	P50548	87	LSRALRYYNKRI
3814	P50548	277	TPTHLAYTPSPTL
3815	P50552	39	FSRVQIYHNPTAN
3816	P50552	72	IVRGVKYNQATPN
3817	P50552	341	TPSSSDYSDLQRV

3818	P50583	82	FKRELN <b>Y</b> VARNKP
3819	P50583	93	KPKTVI <b>Y</b> WLAEVK
3820	P50583	114	SHEHQ <b>A</b> YRWLGLE
3821	P50613	12	KSRAK <b>R</b> YEKLDFL
3822	P50613	117	PSHIK <b>A</b> YMLMTLQ
3823	P50613	127	TLQGLE <b>Y</b> LHQHWI
3824	P50750	92	RTKASP <b>Y</b> NRCKGS
3825	P50750	206	LLGERD <b>Y</b> GPPIDL
3826	P50750	282	KDRLK <b>A</b> YVRDPYA
3827	P50895	186	APKITW <b>Y</b> RNGQRL
3828	P50895	342	GCRVED <b>Y</b> DAADDV
3829	P50895	360	LELRV <b>A</b> YLDPLEL
3830	P50990	173	SIMSK <b>Q</b> YGNEVFL
3831	P50990	242	DAKIAV <b>Y</b> SCFPDG
3832	P50990	501	AGILD <b>T</b> YLGKYWA
3833	P51114	68	GDEVE <b>V</b> YSRANDQ
3834	P51114	92	MMKGE <b>F</b> YVIEYAA
3835	P51114	395	GRRGPN <b>Y</b> TSGYGT
3836	P51575	274	RHCRPI <b>Y</b> EFHGLY
3837	P51575	363	LPKRH <b>Y</b> YKQKKFK
3838	P51575	370	KQKKF <b>K</b> YAE DMGP
3839	P51587	42	SSEAPP <b>Y</b> NSEPAE
3840	P51587	1757	YHSDEV <b>Y</b> ND SGYL
3841	P51587	2567	QFHTED <b>Y</b> FGKESL
3842	P51617	395	AYLPEE <b>Y</b> IKTGRL
3843	P51617	433	HGART <b>K</b> Y LKDLVE
3844	P51617	474	PIAMQ <b>I</b> YKKHLDP
3845	P51636	82	LFEISK <b>Y</b> V MYKFL
3846	P51636	85	ISKYV <b>M</b> YKFLTVF
3847	P51654	264	RMWYCS <b>Y</b> CQGLMM
3848	P51654	357	HSQQR <b>Q</b> YRSAYYP
3849	P51654	402	KSFIS <b>F</b> Y SALPGY
3850	P51809	54	GNYLFH <b>Y</b> ICQDRI
3851	P51809	90	KRFQT <b>T</b> YGSRAQT
3852	P51809	202	VSIVFI <b>Y</b> IIVSPL
3853	P51813	40	TKTNLS <b>Y</b> YEYDKM
3854	P51813	41	KTNLS <b>Y</b> YEYDKMK
3855	P51813	43	NLSY <b>Y</b> YEYDKMKRG
3856	P51813	78	TPVER <b>Q</b> YPFQIVY
3857	P51813	84	YPFQIV <b>Y</b> KDGLLY
3858	P51813	92	DGLLY <b>V</b> YASNEES
3859	P51813	120	PHLLV <b>K</b> YHSGFFV
3860	P51813	194	STTLA <b>Q</b> YDNESKK
3861	P51813	202	NESKKN <b>Y</b> GSQPPS
3862	P51813	234	PNFNM <b>Q</b> YIPREDF
3863	P51813	330	SSQVGM <b>Y</b> TVSLFS
3864	P51813	349	KGTVKH <b>Y</b> HVHTNA
3865	P51813	365	LYLAEN <b>Y</b> CFDSIP
3866	P51813	376	IPKLIH <b>Y</b> HQHNSA
3867	P51813	440	GKWKG <b>Q</b> YDVAVKM
3868	P51813	476	PKLVKF <b>Y</b> GVCSKE
3869	P51813	486	SKEYPI <b>Y</b> IIVTEYI
3870	P51813	491	IYIVTE <b>Y</b> ISNGCL
3871	P51813	500	NGCLLN <b>Y</b> LRSHGK
3872	P51813	518	QLLEMC <b>Y</b> DVCEGM
3873	P51813	586	APEVFH <b>Y</b> FKYSSK
3874	P51813	632	SQGHRL <b>Y</b> RPHLAS
3875	P51813	642	LASDTI <b>Y</b> QIMYSC

3876	P51813	646	TIYQIM <b>Y</b> SCWHEL
3877	P51884	47	CNCPE <b>S</b> YPSAMYC
3878	P51884	70	VPPGIK <b>Y</b> LYLRNN
3879	P51884	211	VSLTL <b>Y</b> LDNNKI
3880	P51946	59	EMTLCK <b>Y</b> YEKRL
3881	P51946	207	TDAYLL <b>Y</b> TPSQIA
3882	P51946	262	RNLVKK <b>Y</b> EPPRSE
3883	P51955	88	LYIVME <b>Y</b> CEGGDL
3884	P51955	182	FVGTP <b>Y</b> YMSPEQM
3885	P51955	257	MLNLKD <b>Y</b> HRPSVE
3886	P51991	83	GFGFVT <b>Y</b> SCVEEV
3887	P51991	149	RDYFEK <b>Y</b> GKIETI
3888	P51991	323	NFGGG <b>Y</b> GGGGNY
3889	P52272	100	KVGEVT <b>Y</b> VELLMD
3890	P52272	213	FVANLD <b>Y</b> KVGWKK
3891	P52272	681	ECGHVL <b>Y</b> ADIKME
3892	P52292	203	RDLVIK <b>Y</b> GAVDPL
3893	P52292	277	TCWAIS <b>Y</b> LTDGPN
3894	P52292	415	TVEQIV <b>Y</b> LVHCGI
3895	P52333	67	SGILPV <b>Y</b> HSLFAL
3896	P52333	100	STQVLL <b>Y</b> RIRFYF
3897	P52333	105	LYRIRF <b>Y</b> FPNWFG
3898	P52333	190	LLKT <b>Y</b> VS <b>Y</b> KACLPP
3899	P52333	238	HSLMAK <b>Y</b> IMDLER
3900	P52333	348	VALVDG <b>Y</b> FRLTTD
3901	P52333	399	GSRPGS <b>Y</b> VLRRSP
3902	P52333	425	NPLGPD <b>Y</b> KGCLIR
3903	P52333	506	VQPQS <b>Y</b> QLSQMT
3904	P52333	536	GSFTKI <b>Y</b> RGCRHE
3905	P52333	581	LMSQVS <b>Y</b> RHLVLL
3906	P52333	611	LGAIDM <b>Y</b> LRKRGH
3907	P52333	633	VVKQLA <b>Y</b> ALNYLE
3908	P52333	637	LAYALN <b>Y</b> LEDKGL
3909	P52333	738	AKKLQF <b>Y</b> EDRQQL
3910	P52333	762	IQQCMA <b>Y</b> EPVQRP
3911	P52333	809	WNGAQL <b>Y</b> ACQDPT
3912	P52333	824	EERHLK <b>Y</b> ISQLGK
3913	P52333	886	SDFIVK <b>Y</b> RGVSYG
3914	P52333	891	KYRGVS <b>Y</b> GPGRQS
3915	P52333	929	ASRLLL <b>Y</b> SSQICK
3916	P52333	994	QSPIFW <b>Y</b> APESLS
3917	P52333	1018	SFGVVL <b>Y</b> ELFTYC
3918	P52333	1023	LYELFT <b>Y</b> CDKSCS
3919	P52434	90	RADQFE <b>Y</b> VMYGKV
3920	P52434	93	QFEYVM <b>Y</b> GKVYRI
3921	P52434	115	ATRLSA <b>Y</b> VSYGGL
3922	P52435	61	QVLFAG <b>Y</b> KVPHPL
3923	P52435	81	VQTT <b>Y</b> PD <b>Y</b> SPQEAF
3924	P52565	110	LKEGVE <b>Y</b> RIKISF
3925	P52565	149	DYMGVS <b>Y</b> GPRAE
3926	P52565	156	GPRAEE <b>Y</b> EFLTPV
3927	P52630	22	DQLHQL <b>Y</b> SHSLLP
3928	P52630	34	PVDIRQ <b>Y</b> LAVWIE
3929	P52630	69	FLDQLN <b>Y</b> ECGRCS
3930	P52630	177	DVFCFR <b>Y</b> KIQAKG
3931	P52630	288	LSCLVS <b>Y</b> QDDPLT
3932	P52630	402	LIWDFG <b>Y</b> LTLVEQ
3933	P52630	437	ISFTVK <b>Y</b> TYQGLK

3934	P52630	439	FTVKYT <b>Y</b> QGLKQE
3935	P52630	507	SWQFSS <b>Y</b> VGRGLN
3936	P52630	626	DDKVL <b>I</b> YSVQPYT
3937	P52630	631	IYSVQ <b>P</b> YTKEV LQ
3938	P52630	648	TEIIR <b>H</b> YQLLTEE
3939	P52630	665	NPLRFL <b>Y</b> PRIPRD
3940	P52630	677	DEAFGC <b>Y</b> YQEKVN
3941	P52630	678	EAFGC <b>Y</b> YQEKVNL
3942	P52630	833	NTVDEV <b>Y</b> VSRPSH
3943	P52630	841	SRPSHF <b>Y</b> TDGPLM
3944	P52655	174	AANGAQ <b>Y</b> IFQPQQ
3945	P52655	291	EDEEED <b>Y</b> DDDEEE
3946	P52655	365	NLNGRD <b>Y</b> IFSKAI
3947	P52732	125	RSPNEE <b>Y</b> TWEEDP
3948	P52732	211	HNKDEV <b>Y</b> QILEKG
3949	P52732	932	TPQRKS <b>Y</b> L PSTL
3950	P52735	187	QQPMIR <b>Y</b> MQKMGM
3951	P52735	213	QETEAK <b>Y</b> YRTLED
3952	P52735	214	ETEAK <b>Y</b> YRTLEDI
3953	P52735	224	EDIEKN <b>Y</b> MSPLRL
3954	P52735	283	KERLL <b>I</b> YGEYCSH
3955	P52735	286	LLIYGE <b>Y</b> CSHMEH
3956	P52735	339	MQRVLK <b>Y</b> HLLLKE
3957	P52735	372	MQDLAM <b>Y</b> INEVKR
3958	P52735	426	HTKQDR <b>Y</b> LFLFDK
3959	P52735	442	VCKRK <b>G</b> YSYELKE
3960	P52735	444	KRKGY <b>S</b> YELKEII
3961	P52735	477	HGKMWS <b>Y</b> GFYLIH
3962	P52735	480	MWSYGF <b>Y</b> LIHLQG
3963	P52735	549	FLRGTF <b>Y</b> QGYMCT
3964	P52735	552	GTFYQ <b>G</b> YMCCKG
3965	P52735	597	MVAMQ <b>N</b> YHGPNAP
3966	P52735	671	EIDYT <b>A</b> YPWFAGN
3967	P52735	695	SHASGT <b>Y</b> LIRERP
3968	P52735	746	LLELVE <b>Y</b> YQCHSL
3969	P52735	747	LELVE <b>Y</b> YQCHSLK
3970	P52735	765	LDTTLK <b>Y</b> PYKSRE
3971	P52735	767	TTLK <b>P</b> YKSRERS
3972	P52735	825	GTAVAR <b>Y</b> NFAARD
3973	P52735	846	GDVVRI <b>Y</b> SRIGGD
3974	P52907	136	AYVKDH <b>Y</b> SNGFCT
3975	P52907	247	TAISE <b>N</b> YQTMSDT
3976	P52907	277	WNKIL <b>S</b> YKIGKEM
3977	P52945	68	PPDIS <b>P</b> YEVPLA
3978	P52945	153	KRTRT <b>A</b> YTRAQLL
3979	P52945	170	EFLFN <b>K</b> YISRPRR
3980	P53350	421	VDYSD <b>K</b> YGLGYQL
3981	P53350	570	LSLLE <b>E</b> YGCCKEL
3982	P53350	582	LASRL <b>R</b> YARTMVD
3983	P53355	129	ILNGV <b>Y</b> YLHSLQI
3984	P53355	491	AAWHG <b>Y</b> YSVAKAL
3985	P53355	572	QGC <b>F</b> VDYQDRHGN
3986	P53396	31	IQNR <b>F</b> KYARVTPD
3987	P53396	517	GMLDFD <b>Y</b> VCSRDE
3988	P53396	993	VQILK <b>D</b> YVRQHFP
3989	P53667	124	IGDGD <b>T</b> YTLVEHS
3990	P53667	139	YCGHC <b>Y</b> YQTVVTP
3991	P53667	415	LNFITE <b>Y</b> IKGGTL

3992	P53674	59	ELPPGN <b>Y</b> RLVVFE
3993	P53674	196	SGTWVG <b>Y</b> QYPGYR
3994	P53674	206	GYRGY <b>Y</b> LLEPGD
3995	P53779	8	SLHFLY <b>Y</b> CSEPTL
3996	P53779	32	KQVDVS <b>Y</b> IAKHYN
3997	P53779	37	SYIAKH <b>Y</b> NMSKSK
3998	P53779	49	KVDNQ <b>Y</b> SVVEVD
3999	P53779	64	FTVLKR <b>Y</b> QNLKPI
4000	P53779	82	GIVCA <b>Y</b> DAVLDR
4001	P53779	109	THAKRA <b>Y</b> RELVLM
4002	P53779	143	EEFQDV <b>Y</b> LVMELM
4003	P53779	168	DHERMS <b>Y</b> LLYQML
4004	P53779	171	RMSYLL <b>Y</b> QMLCGI
4005	P53779	228	PYVVTR <b>Y</b> YRAPEV
4006	P53779	229	YVVTRY <b>Y</b> RAPEVI
4007	P53779	240	VILGMG <b>Y</b> KENVDI
4008	P53779	268	LFPGRD <b>Y</b> IDQWNK
4009	P53779	297	QPTVRN <b>Y</b> VENRPK
4010	P53779	304	VENRPK <b>Y</b> AGLTFF
4011	P53779	358	DALQHP <b>Y</b> INVWYD
4012	P53779	363	PYINW <b>Y</b> DPAEVE
4013	P53779	376	APPPQI <b>Y</b> DKQLDE
4014	P53779	395	EWKELI <b>Y</b> KEVMNS
4015	P53804	203	FFTEYK <b>Y</b> HITKIV
4016	P53804	540	NYVLVV <b>Y</b> GLAISL
4017	P53804	856	VLSTED <b>Y</b> TTCFSS
4018	P53999	71	QIGKMR <b>Y</b> VSVRDF
4019	P53999	88	LIDI <b>Y</b> REYWMDEG
4020	P54105	38	LGTGTL <b>Y</b> IAESRL
4021	P54105	168	GDIPTF <b>Y</b> TYEEGL
4022	P54105	200	QSVSSQ <b>Y</b> NMAGVR
4023	P54198	84	WSNSGM <b>Y</b> LASGGD
4024	P54198	297	AKPSCP <b>Y</b> CCCAVG
4025	P54198	942	RHWLLV <b>Y</b> ARYLVN
4026	P54253	135	FIGSSQ <b>Y</b> SGTYAS
4027	P54253	573	PPTLPP <b>Y</b> FMKGS
4028	P54253	648	VEVLVE <b>Y</b> PFFVFG
4029	P54259	220	PPHPQL <b>Y</b> PGGTGG
4030	P54259	583	STSQGS <b>Y</b> PCSHPS
4031	P54259	657	TATPPG <b>Y</b> KPGSPP
4032	P54274	124	CQLRTI <b>Y</b> ICQFLT
4033	P54274	243	MEKIKS <b>Y</b> VNYVLS
4034	P54274	398	RSGVRK <b>Y</b> GEGNWS
4035	P54577	52	GKPHVA <b>Y</b> FVPMSK
4036	P54577	97	ELRVSY <b>Y</b> ENVIKA
4037	P54577	198	FTFAEK <b>Y</b> LPALGY
4038	P54646	236	VFYIPE <b>Y</b> LNRSVA
4039	P54646	275	KQDLPS <b>Y</b> LFPEDP
4040	P54646	458	KMSLQL <b>Y</b> LVDNRS
4041	P54753	68	WEEVSG <b>Y</b> DEAMNP
4042	P54753	78	MNPIRT <b>Y</b> QVCNVR
4043	P54753	106	RDVQRV <b>Y</b> VELKFT
4044	P54753	134	ETFNLF <b>Y</b> YEADSD
4045	P54753	190	LSKAGF <b>Y</b> LAFQDQ
4046	P54753	255	SVPLKL <b>Y</b> CNGDGE
4047	P54753	292	PCPPGS <b>Y</b> KAKQGE
4048	P54753	373	GRDDL <b>Y</b> NVICKK
4049	P54753	421	LLAHTR <b>Y</b> TFEVQA

4050	P54753	441	SPLPPR <b>Y</b> AAVNIT
4051	P54753	486	NGVILD <b>Y</b> EMKYFE
4052	P54753	490	LDYEMK <b>Y</b> FEKSEG
4053	P54753	519	LRPDAR <b>Y</b> VVQVRA
4054	P54753	531	ARTVAG <b>Y</b> GQYSRP
4055	P54753	534	VAGYGQ <b>Y</b> SRPAEF
4056	P54753	593	HGSDSE <b>Y</b> TEKLQQ
4057	P54753	608	APGMKV <b>Y</b> IDPFTY
4058	P54753	671	KTLKVG <b>Y</b> TERQRR
4059	P54753	754	YLSEM <b>N</b> YVHRDLA
4060	P54753	792	DPSDPT <b>Y</b> TSSLGG
4061	P54753	824	ASDVWS <b>Y</b> GIVMWE
4062	P54753	839	SYGERP <b>Y</b> WDMSNQ
4063	P54753	855	NAVEQD <b>Y</b> RLPPPM
4064	P54753	942	AIKMGR <b>Y</b> KESFVS
4065	P54829	193	RQPSFT <b>Y</b> SEWMEE
4066	P54829	353	DDPLSS <b>Y</b> INANYI
4067	P54829	435	VIHTED <b>Y</b> RLRLIS
4068	P55060	69	SVTFKN <b>Y</b> IKRNWR
4069	P55060	282	ALYAQK <b>Y</b> DEEFQR
4070	P55060	571	GSSENE <b>Y</b> IMKAIM
4071	P55072	138	EVYLKP <b>Y</b> FLEAYR
4072	P55072	495	LQELVQ <b>Y</b> PVEHPD
4073	P55072	755	DNDIRK <b>Y</b> EMFAQT
4074	P55211	251	QFPGAV <b>Y</b> GTDGCP
4075	P55211	345	SDIFVS <b>Y</b> STFPGF
4076	P55211	363	PKSGSW <b>Y</b> VETLDD
4077	P55211	397	VSVKGI <b>Y</b> KQMPGC
4078	P55212	26	TETDAF <b>Y</b> KREMFD
4079	P55212	128	GEGNHI <b>Y</b> AYDAKI
4080	P55212	239	CEMLGK <b>Y</b> GSSLEF
4081	P55263	48	KDFLDK <b>Y</b> SLKPND
4082	P55263	129	AHVDAH <b>Y</b> YEQNEQ
4083	P55263	130	HVDAH <b>Y</b> YEQNEQP
4084	P55263	161	LAAANC <b>Y</b> KKEKHL
4085	P55263	183	EKARVC <b>Y</b> IAGFFL
4086	P55263	223	PFISQF <b>Y</b> KESLMK
4087	P55263	233	LMKVMP <b>Y</b> VDILFG
4088	P55263	342	CIRAGH <b>Y</b> AASIII
4089	P55268	394	LCRPFF <b>Y</b> RDPTKD
4090	P55268	689	LEPGIS <b>Y</b> KLHLKL
4091	P55268	747	QATFER <b>Y</b> QCHEEG
4092	P55735	24	DAQMD <b>Y</b> YGTRLAT
4093	P55735	79	ILASCS <b>Y</b> DRKVII
4094	P55735	116	CWAPHD <b>Y</b> GLILAC
4095	P55769	11	DVNPKA <b>Y</b> PLADAH
4096	P55769	32	VQQSCN <b>Y</b> KQLRKG
4097	P55769	80	EDKNVP <b>Y</b> VFVRSK
4098	P55795	219	PGAGRG <b>Y</b> NSIGRG
4099	P55795	240	GAYGGG <b>Y</b> GGYDDY
4100	P55795	376	GAYDHS <b>Y</b> VELFLN
4101	P55884	232	DGKTG <b>Y</b> IFLEYA
4102	P55884	272	FTDFDK <b>Y</b> MTISDE
4103	P55884	306	AECRDQ <b>Y</b> SVIFES
4104	P56537	23	AKLTNT <b>Y</b> CLVAIG
4105	P56537	35	GGSENF <b>Y</b> SVFEGE
4106	P56537	113	VTTCND <b>Y</b> VALVHP
4107	P56817	76	KSGQGY <b>Y</b> VEMTVG

4108	P56817	260	IRREWY <b>Y</b> EVIIVR
4109	P56817	281	KMDCKE <b>Y</b> NYDKSI
4110	P56945	12	VLAKAL <b>Y</b> DNVAES
4111	P56945	67	KILVGM <b>Y</b> DKKPAG
4112	P56945	99	APPASQ <b>Y</b> TPMLPN
4113	P56945	107	PMLPNT <b>Y</b> QPQPS
4114	P56945	115	PQPDSV <b>Y</b> LVPTPS
4115	P56945	165	SPATDL <b>Y</b> QVPPGP
4116	P56945	179	GPAQDI <b>Y</b> QVPPSA
4117	P56945	192	GMGHDI <b>Y</b> QVPPSM
4118	P56945	222	TRVGQ <b>Y</b> VYEAQ
4119	P56945	224	VGQGYV <b>Y</b> EAAQPE
4120	P56945	234	QPEQDE <b>Y</b> DIPRHL
4121	P56945	262	GLLPSQ <b>Y</b> GQEVYD
4122	P56945	267	QYGQEV <b>Y</b> DTPPMA
4123	P56945	287	DPLLEV <b>Y</b> DVPPSV
4124	P56945	306	SNHHAV <b>Y</b> DVPPSV
4125	P56945	327	LLREET <b>Y</b> DVPPAF
4126	P56945	387	PGPGTL <b>Y</b> DVPRER
4127	P56945	653	DSPDGQ <b>Y</b> ENSEGG
4128	P56945	664	GGWMED <b>Y</b> DYVHLQ
4129	P56945	666	WMEDYD <b>Y</b> VHLQK
4130	P56945	747	RQLLLF <b>Y</b> LEQCEA
4131	P56945	815	RSQVTH <b>Y</b> SNLLCD
4132	P56945	837	KAAALQ <b>Y</b> PSPSAA
4133	P57059	114	NGEMFD <b>Y</b> LTSNGH
4134	P57059	331	SLQNSS <b>Y</b> NHFAAI
4135	P57059	348	LERLKE <b>Y</b> RNAQCA
4136	P57081	38	DDSLFI <b>Y</b> DCSAAE
4137	P57081	317	EAPLVL <b>Y</b> RPVGDQ
4138	P57081	361	ASFSSL <b>Y</b> KATFDN
4139	P58340	85	VSNMRN <b>Y</b> MQKLER
4140	P58340	113	SSSVMT <b>Y</b> SKIGDE
4141	P58340	206	QSEVLK <b>Y</b> KPGRHN
4142	P59665	67	RKNMAC <b>Y</b> CRIPAC
4143	P59665	80	IAGERR <b>Y</b> GTCIYQ
4144	P59998	8	TATLRP <b>Y</b> LSAVRA
4145	P59998	112	RKPVEG <b>Y</b> DISFLI
4146	P59998	127	FHTEQM <b>Y</b> KHKLVD
4147	P60228	152	GAAEYL <b>Y</b> FFRVLV
4148	P60228	242	FLYQPQ <b>Y</b> LNAIQT
4149	P60228	256	CPHILR <b>Y</b> LTTAVI
4150	P60468	59	GGMWRF <b>Y</b> TEDSPG
4151	P60484	16	SRNKRR <b>Y</b> QEDGFD
4152	P60484	27	FDLDT <b>Y</b> IYPNII
4153	P60484	29	LDLT <b>Y</b> IYPNIIAM
4154	P60484	46	ERLEGV <b>Y</b> RNNIDD
4155	P60484	65	SKHKNH <b>Y</b> KIYNLC
4156	P60484	68	KNHYKI <b>Y</b> NLCAER
4157	P60484	76	LCAERH <b>Y</b> DTAKFN
4158	P60484	88	NCRVAQ <b>Y</b> PFEDHN
4159	P60484	138	GVMIC <b>Y</b> LLHRGK
4160	P60484	155	QEALDF <b>Y</b> GEVRTR
4161	P60484	174	IPSQRR <b>Y</b> VYYYSY
4162	P60484	176	SQRRYV <b>Y</b> YYSYLL
4163	P60484	177	QRRYV <b>Y</b> YYSYLLK
4164	P60484	178	RRYV <b>Y</b> YYSYLLKN
4165	P60484	180	YVY <b>Y</b> YSYLLKNHL



4166	P60484	188	LKNHLDYRPVALL
4167	P60484	225	QLKVKIYSSNSGP
4168	P60484	240	REDKFMYFEFPQP
4169	P60484	315	ADNDKEYLVLTLT
4170	P60484	346	NFKVKLYFTKTVE
4171	P60484	377	DNEPDHYRYSDDT
4172	P60484	379	EPDHYRYSDDTDS
4173	P60953	23	TCLLISYTTNKFP
4174	P60953	32	NKFPSEYVPTVFD
4175	P60953	40	PTVFDNYAVTVMI
4176	P60953	51	MIGGEPYTLGLFD
4177	P60953	72	RLRPLSYPQTDVF
4178	P60953	154	DLKAVKYVECSAL
4179	P61073	65	VILVMGYQKKLRS
4180	P61073	76	RSMTDKYRLHLSV
4181	P61073	157	LAEKVVYVGWVWP
4182	P61081	71	CPDEGFYKSGKFV
4183	P61081	100	KCETMVYHPNIDL
4184	P61081	172	RSMRGGYIGSTYF
4185	P61086	51	GPPDTPYEGGRYQ
4186	P61086	152	RLWAHVYAGAPVS
4187	P61086	162	PVSSPEYTKKIEN
4188	P61158	16	VDCGTGYTKLGYA
4189	P61158	109	AEPEDHYFLLTEP
4190	P61158	140	FNVPGLYIAVQAV
4191	P61244	73	ATEYIQYMRRKNH
4192	P61244	115	AQLQTNYPSSDNS
4193	P61244	123	SSDNSLYTNAKGS
4194	P61289	182	LDQISRYYITRAK
4195	P61289	196	VSKIACYPHVEDY
4196	P61289	214	EIDEKEYISLRLI
4197	P61457	70	PEWFNVYNKVHIT
4198	P61604	76	KVLLPEYGGTKVV
4199	P61604	88	VLDDKDYFLFRDG
4200	P61769	83	SKDWSFYLLYTE
4201	P61769	86	WSFYLLYTEFTP
4202	P61769	87	SFYLLYTEFTPT
4203	P61803	16	SRFLEEYLSSTPQ
4204	P61803	30	LKLLDAYLLYILL
4205	P61803	44	GALQFGYCLLVGT
4206	P61923	11	ILEPSLYTVKAIL
4207	P61923	31	RLFAKYDDTYP
4208	P61923	69	EGLTVVYKSSIDL
4209	P61978	138	CLNYQHYKGSDFD
4210	P61978	280	PPSRDYDDMSPR
4211	P61978	371	GGSGDYSYAGGR
4212	P62136	93	YLFLGDYVDRGKQ
4213	P62136	137	NRIYGFYDECKRR
4214	P62136	272	LFSAPNYCGEFDN
4215	P62253	50	GPPDTLYEGGVFK
4216	P62253	65	LTFPKDYPLRPPK
4217	P62253	104	GEDKYGYEKPEER
4218	P62258	121	GESKVFYKMKGD
4219	P62258	122	ESKVFYKMKGDY
4220	P62258	181	LNFSVFYYEILNS
4221	P62266	27	KWHDKQYKKAHLG
4222	P62266	134	VSLALYKGKKER
4223	P62269	40	KGVGRRYAHVVLR

4224	P62269	77	MQNPRQ <b>Y</b> KIPDWF
4225	P62269	95	DVKDGK <b>Y</b> SQVLAN
4226	P62280	36	KEKLPR <b>Y</b> YKNIGL
4227	P62280	55	EAIEGT <b>Y</b> IDKKCP
4228	P62280	95	RRDYLH <b>Y</b> IRKYNR
4229	P62306	29	LKWGME <b>Y</b> KGYLVS
4230	P62306	39	LVSVDG <b>Y</b> MNMQLA
4231	P62306	50	LANTEE <b>Y</b> IDGALS
4232	P62316	95	PVKNDR <b>Y</b> ISKMFL
4233	P62495	201	MEKRHN <b>Y</b> VRKVAE
4234	P62495	290	KKLIGR <b>Y</b> FDEISQ
4235	P62495	301	SQDTGK <b>Y</b> CFGVED
4236	P62633	75	LQEDAC <b>Y</b> NCGRGG
4237	P62633	120	ADEQKC <b>Y</b> SCGEFG
4238	P62633	159	TSEVNC <b>Y</b> RCGESG
4239	P62745	74	RLRPLS <b>Y</b> PDTDVI
4240	P62745	183	AALQKR <b>Y</b> GSQNGC
4241	P62753	28	RKLRTF <b>Y</b> EKRMAT
4242	P62753	48	GEEWKG <b>Y</b> VVRISG
4243	P62753	209	KEEAAE <b>Y</b> AKLLAK
4244	P62805	52	RISGLI <b>Y</b> EETRGV
4245	P62805	73	IRDAVT <b>Y</b> TEHAKR
4246	P62805	89	TAMDVV <b>Y</b> ALKRQG
4247	P62820	40	DTYTES <b>Y</b> ISTIGV
4248	P62820	80	RTITSS <b>Y</b> YRGAHG
4249	P62820	136	TKKVVD <b>Y</b> TTAKEF
4250	P62826	80	GLRDGY <b>Y</b> IQAQCA
4251	P62826	98	VTSRVT <b>Y</b> KNVPNW
4252	P62826	155	ISAKSN <b>Y</b> NFEKPF
4253	P62847	76	TGFGMI <b>Y</b> DSLDDYA
4254	P62847	81	IYDSL <b>Y</b> AKKNEP
4255	P62847	97	LARHGL <b>Y</b> EKKKTS
4256	P62873	124	DNICSI <b>Y</b> NLKTRE
4257	P62873	145	LAGHTG <b>Y</b> LSCCRF
4258	P62873	264	DQELMT <b>Y</b> SHDNII
4259	P62913	126	DPSIGI <b>Y</b> GLDFYV
4260	P62913	131	IYGLDF <b>Y</b> VVLGRP
4261	P62913	170	RWFQQK <b>Y</b> DGIILP
4262	P62917	67	VVFRDP <b>Y</b> RFKKRT
4263	P62917	186	LKAGRA <b>Y</b> HKYKAK
4264	P62917	189	GRAYHK <b>Y</b> KAKRNC
4265	P62937	48	GEKGFG <b>Y</b> KGSCFH
4266	P62937	79	TGGKSI <b>Y</b> GEKFED
4267	P62979	85	KRKKKS <b>Y</b> TTPKKN
4268	P62979	105	KLAVLK <b>Y</b> YKVDEN
4269	P62979	148	GKCCLT <b>Y</b> CFNKPE
4270	P62995	86	RSR <b>Y</b> SRDYRR
4271	P62995	268	RRSPSP <b>Y</b> YSRGGY
4272	P62995	269	RSPSP <b>Y</b> YSRGGYR
4273	P63010	70	ELKKLV <b>Y</b> LYLMNY
4274	P63010	76	YLYLMN <b>Y</b> AKSQPD
4275	P63010	121	VDKITE <b>Y</b> LCEPLR
4276	P63010	136	LKDEDP <b>Y</b> VRKTAA
4277	P63010	229	LDCLSN <b>Y</b> NPKDDR
4278	P63010	276	LPKDS <b>Y</b> YNMLLK
4279	P63010	277	PKDS <b>Y</b> YNMLLK
4280	P63010	300	GEPEVQ <b>Y</b> VALRNI
4281	P63010	328	KVFFVK <b>Y</b> NDPIYV

4282	P63010	333	KYNDPI <b>Y</b> VKLEKL
4283	P63010	361	LAELKE <b>Y</b> ATEVDV
4284	P63010	405	IQTKVN <b>Y</b> VVQEAI
4285	P63010	421	RDIFRK <b>Y</b> PNKYES
4286	P63010	425	RKYPNK <b>Y</b> ESIIAT
4287	P63010	455	IWIVGE <b>Y</b> AERIDN
4288	P63010	524	DLRDRG <b>Y</b> IYWRL
4289	P63010	526	RDRGYI <b>Y</b> WRLST
4290	P63010	574	GSLASV <b>Y</b> HKPPNA
4291	P63010	707	GMAPGG <b>Y</b> VAPKAV
4292	P63010	815	NNIDVF <b>Y</b> FSCLIP
4293	P63010	874	LQNNNV <b>Y</b> TIAKRN
4294	P63010	888	EGQDML <b>Y</b> QSLKLT
4295	P63010	912	QPGNP <b>Y</b> TLSLKC
4296	P63010	928	EVSQYI <b>Y</b> QVYDSI
4297	P63165	21	DKKEGE <b>Y</b> IKLKVI
4298	P63165	51	KKLKES <b>Y</b> CQRQGV
4299	P63165	91	EDVIEV <b>Y</b> QEQTGG
4300	P63167	65	GRNFGS <b>Y</b> VTHETK
4301	P63167	75	ETKHFI <b>Y</b> FYLGQV
4302	P63167	77	KHFIY <b>Y</b> FLGQVAI
4303	P63220	12	GEFVDL <b>Y</b> VPRKCS
4304	P63220	53	NGQFKT <b>Y</b> AICGAI
4305	P63241	69	IFTGKK <b>Y</b> EDICPS
4306	P63241	98	IGIQDG <b>Y</b> LSLLQD
4307	P63241	127	KEIEQK <b>Y</b> DCGEEI
4308	P63244	140	TLGVCK <b>Y</b> TVQDES
4309	P63244	194	HIGHTG <b>Y</b> LNTVTV
4310	P63244	246	CFSPNR <b>Y</b> WLCAAT
4311	P63244	302	QTLFAG <b>Y</b> TDNLVR
4312	P63252	68	GEKGQR <b>Y</b> LADI FT
4313	P63252	315	TQCRSS <b>Y</b> LANEIL
4314	P63252	326	ILWGR <b>Y</b> EPVLFE
4315	P63279	87	LFHPNV <b>Y</b> PSGTVC
4316	P63279	134	PAQAE <b>Y</b> TIYCQN
4317	P63279	137	AEAYTI <b>Y</b> CQNRVE
4318	P63316	111	DKNADG <b>Y</b> IDLDEL
4319	P63316	150	NDGRID <b>Y</b> DEFLEF
4320	P67775	152	FTDLFD <b>Y</b> LPLTAL
4321	P67775	248	QLVMEG <b>Y</b> NWCHDR
4322	P67775	284	LDDTLK <b>Y</b> SFLQFD
4323	P67809	72	FNVRNG <b>Y</b> GFINRN
4324	P67809	138	PVQGSK <b>Y</b> AADRNH
4325	P67809	287	YRRNFN <b>Y</b> RRRRPE
4326	P67870	46	NEQVPH <b>Y</b> RQALDM
4327	P67870	101	AQMLEK <b>Y</b> QQGDFG
4328	P67870	188	QFVPR <b>Y</b> LGFKIHP
4329	P68032	171	VPIYEG <b>Y</b> ALPHAI
4330	P68032	339	APPERK <b>Y</b> SVWIGG
4331	P68032	364	WISKQE <b>Y</b> DEAGPS
4332	P68104	141	EHALLA <b>Y</b> TLGVKQ
4333	P68104	162	DSTEP <b>Y</b> PSQKRYE
4334	P68104	418	VESFSD <b>Y</b> PPLGRF
4335	P68363	185	TAVVEP <b>Y</b> NSILTT
4336	P68363	224	DIERPT <b>Y</b> TNLNRL
4337	P68363	408	RAFVHW <b>Y</b> VGEGME
4338	P68400	23	THRPRE <b>Y</b> WDYESH
4339	P68400	26	PREYWD <b>Y</b> ESHVVE

4340	P68400	138	DIRFYM <b>Y</b> EILKAL
4341	P68871	36	GRLLVV <b>Y</b> PWTQRF
4342	P68871	131	PPVQAA <b>Y</b> QKV VAG
4343	P78344	185	TRNVDV <b>Y</b> DKREN P
4344	P78344	751	PSPQTI <b>Y</b> KWIKDN
4345	P78344	839	ALQVHC <b>Y</b> NSNFPK
4346	P78346	30	TAAHLG <b>Y</b> SVVAIN
4347	P78346	136	TEKLPF <b>Y</b> FKRPPI
4348	P78346	156	LAFELV <b>Y</b> SPA IKD
4349	P78347	50	VACIAV <b>Y</b> ETDV FV
4350	P78347	79	QKDFVK <b>Y</b> CV EEEE
4351	P78347	119	RKTVED <b>Y</b> FCFCY G
4352	P78347	124	DYFCFC <b>Y</b> GKALG K
4353	P78347	138	TVVPVP <b>Y</b> EKMLRD
4354	P78347	165	FKHPEN <b>Y</b> DLATL K
4355	P78347	249	SEDPDY <b>Y</b> QYNIQA
4356	P78347	251	DPDYYQ <b>Y</b> NIQAGP
4357	P78347	373	ELFERK <b>Y</b> AQA IKA
4358	P78347	387	GPVTIP <b>Y</b> PLFQSH
4359	P78347	414	FRRPST <b>Y</b> GIPRLE
4360	P78347	460	GVKEEW <b>Y</b> ARITKL
4361	P78347	492	EAKAVP <b>Y</b> QKFEAH
4362	P78347	519	FRSPSW <b>Y</b> GIPRLE
4363	P78347	597	EAVKVP <b>Y</b> PVFESN
4364	P78347	608	SNPEFL <b>Y</b> VEGLPE
4365	P78347	652	PELVIS <b>Y</b> LPPGMA
4366	P78347	770	SFPEDF <b>Y</b> VEGLPE
4367	P78347	894	FPVKVP <b>Y</b> RKITIN
4368	P78347	920	SFKAPS <b>Y</b> LEISSM
4369	P78348	122	ALLNNR <b>Y</b> EIPDTQ
4370	P78348	336	MPGDAP <b>Y</b> CTPEQY
4371	P78348	509	HPAGMT <b>Y</b> AANILP
4372	P78362	118	VKSAQH <b>Y</b> TETALD
4373	P78362	425	PNAESD <b>Y</b> TYSSSY
4374	P78362	561	VLIGAG <b>Y</b> STPADI
4375	P78371	297	INRQLI <b>Y</b> NYPEQL
4376	P78371	439	AVAMES <b>Y</b> AKALRM
4377	P78371	456	IADNAG <b>Y</b> DSADLV
4378	P78527	2299	GIQSSE <b>Y</b> FQALVN
4379	P78527	3102	VDRAKY <b>Y</b> IQNGIQ
4380	P78527	3280	VS WVQ <b>Y</b> CRLSHC
4381	P78536	250	ESTTTN <b>Y</b> LIELID
4382	P78536	275	NAGFKG <b>Y</b> G IQIEQ
4383	P78536	547	TCKGVS <b>Y</b> CTGNSS
4384	P78543	65	PSKGS <b>Y</b> RCIRIN
4385	P78543	107	TLWVDP <b>Y</b> EVSYRI
4386	P78543	123	GSICVL <b>Y</b> EEAPLA
4387	P80188	98	RKKKCD <b>Y</b> WIRTFV
4388	P80188	120	LGNIKS <b>Y</b> PGLTSY
4389	P80188	135	RVVSTN <b>Y</b> NQHAMV
4390	P80192	56	CDAPLP <b>Y</b> WTAVFE
4391	P80192	313	MSAAGT <b>Y</b> AWMAPE
4392	P80192	698	HSPSQS <b>Y</b> LCIPFP
4393	P82979	41	IHRLQA <b>Y</b> LEEHAE
4394	P84090	52	NSPSIT <b>Y</b> DISQLF
4395	P84090	72	DLSCLV <b>Y</b> RADTQT
4396	P84090	92	WIKEKI <b>Y</b> VLLRRQ
4397	P98161	698	AGPPAQ <b>Y</b> SVTLHG

4398	P98161	1187	YASRGT <b>Y</b> HVRLEV
4399	P98161	2168	RRSQRN <b>Y</b> LEAHVD
4400	P98170	154	DISDTI <b>Y</b> PRNPAM
4401	P98170	290	LARAGF <b>Y</b> ALGEDD
4402	P98170	338	EQKGQE <b>Y</b> INNIHL
4403	P98177	106	AWGNQS <b>Y</b> AELISQ
4404	P98177	292	PASVSS <b>Y</b> AGGVPP
4405	P98177	341	TGPLHT <b>Y</b> SSSLFS
4406	P98179	129	GGYGYG <b>Y</b> GRSRDY
4407	P98179	135	YGRSRD <b>Y</b> NGRNQG
4408	P98179	146	QGGYDR <b>Y</b> SGGNYS
4409	P99999	47	TGQAPG <b>Y</b> SYTAA
4410	P99999	49	QAPGYS <b>Y</b> TAANKN
4411	P99999	75	LENPKK <b>Y</b> IPGTKM
4412	Q00059	37	SPFSFV <b>Y</b> LPRWFS
4413	Q00059	162	KRPRSA <b>Y</b> NVYVAE
4414	Q00059	211	KEDETR <b>Y</b> HNEMKS
4415	Q00341	40	ESDPPT <b>Y</b> KDAFPP
4416	Q00341	288	ARIKKI <b>Y</b> EKKKKK
4417	Q00341	986	PFDLHR <b>Y</b> VIGQKG
4418	Q00534	170	FGLARI <b>Y</b> SFQMAL
4419	Q00534	185	VVVTLW <b>Y</b> RAPEVL
4420	Q00534	299	SALSHP <b>Y</b> FQDLER
4421	Q00536	176	KLGEGT <b>Y</b> ATVYKG
4422	Q00536	250	DKDLKQ <b>Y</b> LDDCGN
4423	Q00536	353	GVGCIF <b>Y</b> EMATGR
4424	Q00610	417	TSPLLQ <b>Y</b> FGILLD
4425	Q00610	430	QGQLNK <b>Y</b> ESLELC
4426	Q00610	1634	ETQPIV <b>Y</b> GQPQLM
4427	Q00613	225	AHSMPK <b>Y</b> SRQFSL
4428	Q00613	240	VHGSGP <b>Y</b> SAPSPA
4429	Q00613	253	YSSSSL <b>Y</b> APDAVA
4430	Q00653	294	VFRTPP <b>Y</b> HMKIE
4431	Q00653	326	SKQFTY <b>Y</b> PLVEDK
4432	Q00653	509	VIEQIV <b>Y</b> VIHHAQ
4433	Q00839	379	GEEFE <b>Y</b> GYSLKG
4434	Q00839	795	RGNNRG <b>Y</b> KNQSQG
4435	Q00839	802	KNQSQG <b>Y</b> NQWQQG
4436	Q00987	60	LFYLGQ <b>Y</b> IMTKRL
4437	Q00987	104	KIYTMI <b>Y</b> RNLVVV
4438	Q00987	276	DEDDEV <b>Y</b> QVTYQ
4439	Q01081	21	KVNCSF <b>Y</b> FKIGAC
4440	Q01081	78	VEMQEH <b>Y</b> DEFFEE
4441	Q01081	93	TEMEEK <b>Y</b> GEVEEM
4442	Q01094	100	LETDHQ <b>Y</b> LAESSG
4443	Q01094	128	PGEKSR <b>Y</b> ETSLNL
4444	Q01094	245	DSQRLA <b>Y</b> VTCQDL
4445	Q01130	44	GRVGDV <b>Y</b> IPDRY
4446	Q01130	115	RYGGGG <b>Y</b> GRRSRS
4447	Q01130	144	SRSRSR <b>Y</b> SRSKSR
4448	Q01469	22	SKGFDE <b>Y</b> MKELGV
4449	Q01518	153	APKPGP <b>Y</b> VKEMND
4450	Q01518	186	VDWVKA <b>Y</b> LSIWTE
4451	Q01518	419	TDGCHAY <b>Y</b> LSKNSL
4452	Q01804	71	RMACIH <b>Y</b> LRENRE
4453	Q01804	743	KVPVPV <b>Y</b> PHNPWF
4454	Q01804	1064	YSGRGG <b>Y</b> QHVRSE
4455	Q01826	144	NPVPLS <b>Y</b> VTDAPD

4456	Q01826	240	QEFGRWYKHFKKT
4457	Q01826	719	EVDVAEYKEEELL
4458	Q01844	18	AAAQQGY SAYTAQ
4459	Q01844	86	PTAPQAYSQPVQG
4460	Q01844	240	QQPPTSYPPTGS
4461	Q01860	67	PPCPPPYEFCGGM
4462	Q01860	162	KRITLGYTQADVG
4463	Q01860	334	PHFTALYSSVPFP
4464	Q01954	326	LSDSSSYNIVTKF
4465	Q01954	657	DGGHEHYFTPGME
4466	Q01954	937	HLCQKTYSNKGTF
4467	Q01974	116	IIRKTEYGSRLRI
4468	Q01974	693	SYGLQPYCGYSNQ
4469	Q01974	696	LQPYCGYSNQDVV
4470	Q02156	199	VIGKQGYQCQVCT
4471	Q02156	250	KFGIHNKVPFTFC
4472	Q02156	434	KGKDEVYAVKVLK
4473	Q02388	356	VPGATGYRVTWRV
4474	Q02388	537	VPGATQYRIIVRS
4475	Q02388	1024	LEPGVSYIFSLTP
4476	Q02447	33	GGGHGEYLQOQQQ
4477	Q02447	139	ATSSGQYVLPLQN
4478	Q02447	657	FVCNWMYCGKRFT
4479	Q02763	100	SKINGAYFCEGRV
4480	Q02763	189	PQDAGVYSARYIG
4481	Q02763	193	GVYSARYIGGNLF
4482	Q02763	277	QEGCKSYVFCLPD
4483	Q02763	285	FCLPDPYGCSCAT
4484	Q02763	307	ACHPGFYGPDCKL
4485	Q02763	470	NISSEPYFGDGPI
4486	Q02763	489	YKPVNHYEAWQHI
4487	Q02763	506	EIVTLNYLEPRTE
4488	Q02763	513	LEPRTEYELCVQL
4489	Q02763	575	SSEDDFYVEVERR
4490	Q02763	611	LHPREQYVVRARV
4491	Q02763	674	SSITIRYKVQGKN
4492	Q02763	708	LEPETAYQVDIFA
4493	Q02763	897	ACEHRGYLYLAIE
4494	Q02763	899	EHRGYLYLAIEYA
4495	Q02763	904	LYLAIEYAPHGNL
4496	Q02763	954	VARGMDYLSQKQF
4497	Q02763	1012	AIESLNSVYTTN
4498	Q02763	1015	SLNYSVYTTNSDV
4499	Q02763	1039	SLGGTPYCGMTCA
4500	Q02763	1055	EKLPPQYRLEKPL
4501	Q02763	1068	NCDDEVYDLMRQC
4502	Q02763	1080	CWREKPYERPSFA
4503	Q02790	113	CKPEYAYGSAGSP
4504	Q02790	220	GEHSIVYLKPSYA
4505	Q02790	411	AREKKLYANMFER
4506	Q02818	54	GLYYHRYLQEVID
4507	Q02818	168	TRDLAQYDAAHHE
4508	Q02818	179	HEEFKRYEMLKEH
4509	Q02978	81	EGLRGIYTGLSAG
4510	Q02978	161	ADQRRGYKNVFNA
4511	Q02978	272	LFKVVRYEGFFSL
4512	Q03135	42	LSEKQVYDAHTKE
4513	Q03135	97	TFTVTKYWFYRL

4514	Q03135	100	VTKYWF <b>Y</b> RLLSAL
4515	Q03135	118	ALIWGI <b>Y</b> FAILSF
4516	Q03135	148	QCISRV <b>Y</b> SIYVHT
4517	Q03135	151	SRVYSI <b>Y</b> VHTVCD
4518	Q03393	53	NGHGHN <b>Y</b> KVVVTV
4519	Q03393	99	LDMDVP <b>Y</b> FADVVS
4520	Q03393	128	LPVGVL <b>Y</b> KVKVYE
4521	Q03468	274	ASGFKE <b>Y</b> LADQAK
4522	Q03468	880	FLRAQK <b>Y</b> TYLKMD
4523	Q03468	1279	DGASPD <b>Y</b> VLVEAE
4524	Q03721	109	FAYVLN <b>Y</b> YRTGKL
4525	Q03721	110	AYVLN <b>Y</b> YRTGKLH
4526	Q03721	597	LLSTGD <b>Y</b> ACADGS
4527	Q04206	66	TIKING <b>Y</b> TGPGTV
4528	Q04206	152	EEQRGD <b>Y</b> DLNAVR
4529	Q04206	496	EPMLME <b>Y</b> PEAITR
4530	Q04323	179	AERAKK <b>Y</b> GGSVGS
4531	Q04323	211	PPTKRE <b>Y</b> DQCRIQ
4532	Q04323	242	LAAVRL <b>Y</b> VELHRG
4533	Q04637	146	TYAGAY <b>Y</b> PAQGVQ
4534	Q04637	596	GEQKYE <b>Y</b> KSDQWK
4535	Q04637	1550	MFFDAL <b>Y</b> DEDVVK
4536	Q04759	28	GEAVNP <b>Y</b> CAVLVK
4537	Q04759	36	AVLVKE <b>Y</b> VESENG
4538	Q04759	45	SENGQM <b>Y</b> IQKKPT
4539	Q04759	53	QKKPTM <b>Y</b> PPWDST
4540	Q04759	121	MLMNAR <b>Y</b> FLEMSD
4541	Q04759	188	GLNKQ <b>Y</b> QCRQCN
4542	Q04759	237	PHRFKV <b>Y</b> NYKSPT
4543	Q04759	239	RFKVYN <b>Y</b> KSPTFC
4544	Q04759	460	LFFVME <b>Y</b> LNGGDL
4545	Q04759	468	NGGDL <b>Y</b> MHIQSCH
4546	Q04759	484	LSRATF <b>Y</b> AAEIIL
4547	Q04759	502	HSKGIV <b>Y</b> RDCLKD
4548	Q04759	556	ILLGQK <b>Y</b> NHSDVDW
4549	Q04759	598	RMDNPF <b>Y</b> PRWLEK
4550	Q04760	49	KKSLDF <b>Y</b> TRVLGM
4551	Q04760	71	IMKFSL <b>Y</b> FLAYED
4552	Q04760	75	SLYFLA <b>Y</b> EDKNDI
4553	Q04864	287	PDEKDT <b>Y</b> GNKAKK
4554	Q04864	388	SQAES <b>Y</b> YPSPGPI
4555	Q04864	463	ASNACI <b>Y</b> NNADDI
4556	Q04912	34	QCPRT <b>Y</b> AAASRDF
4557	Q04912	44	RDFDVK <b>Y</b> VVPSFS
4558	Q04912	61	VQAMVT <b>Y</b> EGDRNE
4559	Q04912	196	EQGQAS <b>Y</b> FYVASS
4560	Q04912	198	GQASY <b>Y</b> FVASSLD
4561	Q04912	245	PKHLVS <b>Y</b> SIEYVH
4562	Q04912	249	VSYSIE <b>Y</b> VHSFHT
4563	Q04912	260	HTGAFV <b>Y</b> FLTVQP
4564	Q04912	293	EPELGD <b>Y</b> RELVLD
4565	Q04912	318	PEGGQ <b>Y</b> YPVLRVA
4566	Q04912	452	VQVTAL <b>Y</b> VTRLDN
4567	Q04912	482	LVRSLN <b>Y</b> LLYVSN
4568	Q04912	485	SLNYLL <b>Y</b> VSNFSL
4569	Q04912	595	LCGSNF <b>Y</b> LHPSGL
4570	Q04912	766	GSWTFQ <b>Y</b> REDPVV
4571	Q04912	829	LCRLPE <b>Y</b> VVRDPQ



4572	Q04912	884	HAIKFEYIGLGAV
4573	Q04912	980	TALVFSYWWRRKQ
4574	Q04912	1017	LYSGSDYRSGLAL
4575	Q04912	1097	GHFGVVYHGEYID
4576	Q04912	1163	PHVLLPYMCHGDL
4577	Q04912	1198	VARSMEYLAEQKF
4578	Q04912	1288	TRGAPPYRHIDPF
4579	Q04912	1317	YCPDSLQVMQQC
4580	Q05066	44	ESCNSKYQCETGE
4581	Q05066	124	AMHREKYPNYKYR
4582	Q05066	164	QLDNRLYRDDCTK
4583	Q05086	37	HLIERYYHQLTEG
4584	Q05086	96	KGASSAYLENSKG
4585	Q05086	127	DFKDVTYLTEEKV
4586	Q05086	134	LTEEKVYEILELC
4587	Q05086	273	VECDLTYHNVYSR
4588	Q05086	283	YSRDPNYLNLFI
4589	Q05086	331	IRLWSKYNADQIR
4590	Q05086	349	FQQLITYKVISNE
4591	Q05086	380	CLKMVYANVVG
4592	Q05086	464	LEMDKDYTFFKVE
4593	Q05086	494	TKNLGLYDNRIR
4594	Q05086	502	DNRIRMYSEIRIT
4595	Q05086	511	RRITVLYSLVQGG
4596	Q05086	522	GQQLNPYLRLKVR
4597	Q05086	556	DLKKQLYVEFEGE
4598	Q05086	624	VLGLAIYNNCILD
4599	Q05086	638	HFFPMVYRKLMGK
4600	Q05086	668	LKDLLEYEGNVED
4601	Q05086	694	FGNPMYDLKENG
4602	Q05086	717	KEFVNLYSYILN
4603	Q05086	720	VNLYSDYILNKS
4604	Q05086	748	NESPLKYLFPEE
4605	Q05086	776	LEETTEYDGGYTR
4606	Q05086	852	VLLLPEYSSKEKL
4607	Q05209	42	RRLSTKYRTEKIY
4608	Q05209	88	PSQSDYINANFI
4609	Q05209	194	RLYQFHYVNWPDH
4610	Q05315	35	CFLNEPYLQVDFH
4611	Q05315	69	VMNSREYGAWKQQ
4612	Q05315	100	SVLPDKYQVMVNG
4613	Q05397	83	VKHVACYGFRLSH
4614	Q05397	111	SSVREKYELAHPP
4615	Q05397	122	PPEEWKYELRIRY
4616	Q05397	128	YELRIRYLPKGFL
4617	Q05397	148	PTLNFFYQQVKSD
4618	Q05397	194	LEKKSNEYEVLEKD
4619	Q05397	251	EILSPVYRFDKEC
4620	Q05397	282	PEEGISYLTDKGC
4621	Q05397	304	QVQTIQYSNSEDK
4622	Q05397	347	ADLIDGYCRLVNG
4623	Q05397	415	MPSTRDYEIQRER
4624	Q05397	441	DVHQGIYMSPENP
4625	Q05397	516	FLQVRKYSLDLAS
4626	Q05397	526	LASLILYAYQLST
4627	Q05397	528	SLILYAYQLSTAL
4628	Q05397	661	MTKCWAYDPSRRP
4629	Q05397	730	RSSEGFYPSPOHM

4630	Q05397	742	MVQTNH <b>Y</b> QVSGYP
4631	Q05397	747	HYQVSG <b>Y</b> PGSHGI
4632	Q05397	761	AMAGSI <b>Y</b> PGQASL
4633	Q05397	898	SSPADS <b>Y</b> NEGVKL
4634	Q05397	950	PAPPEE <b>Y</b> VPMVKE
4635	Q05397	1007	MKLAQQ <b>Y</b> VMTSLQ
4636	Q05397	1016	TSLQQE <b>Y</b> KKQMLT
4637	Q05655	12	RIAFNS <b>Y</b> ELGSLQ
4638	Q05655	52	QKKPTM <b>Y</b> PEWKST
4639	Q05655	120	VLMSVQ <b>Y</b> FLEDVD
4640	Q05655	187	GLNKQG <b>Y</b> KCRQCN
4641	Q05655	238	RFKVHN <b>Y</b> MSPTFC
4642	Q05655	437	NGGDLM <b>Y</b> HIQDKG
4643	Q05655	448	KGRFEL <b>Y</b> RATFYA
4644	Q05655	453	LYRATF <b>Y</b> AAEIMC
4645	Q05655	471	HSKGII <b>Y</b> RDLKLD
4646	Q05655	514	FCGTPD <b>Y</b> IAPEIL
4647	Q05655	525	ILQGLK <b>Y</b> TFSVDW
4648	Q05655	539	SFGVLL <b>Y</b> EMLIGQ
4649	Q05655	630	VKSPRD <b>Y</b> SNFDQE
4650	Q05655	646	EKARLS <b>Y</b> SDKNLI
4651	Q05707	21	PFLAIV <b>Y</b> FCTIVQ
4652	Q05707	1105	AIKHIS <b>Y</b> KGGNTK
4653	Q05707	1118	TGKAIK <b>Y</b> VRDTLF
4654	Q06187	42	KLSY <b>Y</b> EYDFERGR
4655	Q06187	100	IIERFP <b>Y</b> PFQVVY
4656	Q06187	106	YPFQVV <b>Y</b> DEGPLY
4657	Q06187	112	YDEGPL <b>Y</b> VFSPTTE
4658	Q06187	134	LKNVIR <b>Y</b> NSDLVQ
4659	Q06187	142	SDLVQK <b>Y</b> HPCFWI
4660	Q06187	152	FWIDGQ <b>Y</b> LCCSQT
4661	Q06187	225	VVALYD <b>Y</b> MPMNAN
4662	Q06187	241	LRKGDE <b>Y</b> FILEES
4663	Q06187	263	KNGQEG <b>Y</b> IPSNYV
4664	Q06187	268	GYIPSN <b>Y</b> VTEAED
4665	Q06187	279	EDSIEM <b>Y</b> EWYSKH
4666	Q06187	315	SSKAGK <b>Y</b> TVSVFA
4667	Q06187	334	QGVIRH <b>Y</b> VVCSTP
4668	Q06187	392	STAGLG <b>Y</b> GSWEID
4669	Q06187	418	QFGVVK <b>Y</b> GKWRGQ
4670	Q06187	461	EKLVLQ <b>Y</b> GVCTKQ
4671	Q06187	476	IFIITE <b>Y</b> MANGCL
4672	Q06187	485	NGCLLN <b>Y</b> LREMRH
4673	Q06187	511	VCEAME <b>Y</b> LESKQF
4674	Q06187	545	DFGLSR <b>Y</b> VLDDEY
4675	Q06187	571	PPEVLM <b>Y</b> SKFSSK
4676	Q06187	591	VLMWEI <b>Y</b> SLGKMP
4677	Q06187	598	SLGKMP <b>Y</b> ERFTNS
4678	Q06413	33	GLMKKA <b>Y</b> ELSVLC
4679	Q06413	216	TSAGNG <b>Y</b> GNPRNS
4680	Q06413	311	GQGMGG <b>Y</b> PSAIST
4681	Q06481	327	AVMPRW <b>Y</b> FDLSKG
4682	Q06481	340	KCVRFI <b>Y</b> GGCGGN
4683	Q06481	475	RMALEN <b>Y</b> LAALQS
4684	Q06609	159	GEGKAM <b>Y</b> IDTEGT
4685	Q06609	178	LAVAER <b>Y</b> GLSGSD
4686	Q06609	191	VLDNV <b>Y</b> ARAFNT
4687	Q06609	205	HQTQLL <b>Y</b> QASAMM

4688	Q06609	216	MMVESR <b>Y</b> ALLIVD
4689	Q06609	228	DSATAL <b>Y</b> RTDYSG
4690	Q06609	232	ALYRTD <b>Y</b> SGRGEL
4691	Q06609	301	ASTTRL <b>Y</b> LRKGRG
4692	Q06609	315	TRICKI <b>Y</b> DSPCLP
4693	Q06787	16	GSNGAF <b>Y</b> KAFVKD
4694	Q06787	166	TYDPEN <b>Y</b> QLVILS
4695	Q06787	461	TDKEKS <b>Y</b> VTDDGQ
4696	Q06828	65	EGPAYT <b>Y</b> GSPSP
4697	Q06828	232	ILLDLS <b>Y</b> NHLRKV
4698	Q06828	302	LELDLS <b>Y</b> NQLQKI
4699	Q06830	34	DISLSD <b>Y</b> KGKYVV
4700	Q06830	38	SDYKGK <b>Y</b> VVFFFY
4701	Q06830	44	YVVFFF <b>Y</b> PLDFTF
4702	Q07065	113	ALNFLF <b>Y</b> LALVAA
4703	Q07065	322	TMESDI <b>Y</b> TEVREL
4704	Q07065	563	VDSLVA <b>Y</b> SVKIET
4705	Q07666	103	MEPENK <b>Y</b> LPELMA
4706	Q07666	145	KDDEEN <b>Y</b> LDLFSH
4707	Q07666	167	LIPVKQ <b>Y</b> PKFNFV
4708	Q07666	220	KGGDPK <b>Y</b> AHLNMD
4709	Q07666	241	GPPCEA <b>Y</b> ALMAHA
4710	Q07666	273	QFLELS <b>Y</b> LNGVPE
4711	Q07666	366	PPAPET <b>Y</b> EEYGYD
4712	Q07666	369	PET <b>Y</b> EEYGYDDTY
4713	Q07666	371	TYEEY <b>Y</b> GDDTYAE
4714	Q07666	375	YGYDDT <b>Y</b> AEQSYE
4715	Q07666	380	TYAEQ <b>Y</b> SEGYEGY
4716	Q07666	383	EQSYEG <b>Y</b> EGYYSQ
4717	Q07666	386	YEGYEG <b>Y</b> YSQSQG
4718	Q07666	387	EGYEG <b>Y</b> YSQSQGD
4719	Q07666	396	SQGDSE <b>Y</b> YDYGHG
4720	Q07666	397	QGDSE <b>Y</b> YDYGHGE
4721	Q07666	399	DSEY <b>Y</b> YDYGHEVQ
4722	Q07666	408	GEVQDS <b>Y</b> EAYGQD
4723	Q07666	411	QDSYEA <b>Y</b> GQDDWN
4724	Q07817	22	KLSQKG <b>Y</b> SWSQFS
4725	Q07817	120	ITPGTA <b>Y</b> QSFEQV
4726	Q07817	173	AAWMAT <b>Y</b> LNDHLE
4727	Q07820	15	VIGLNL <b>Y</b> CGGAGL
4728	Q07820	129	EEELDG <b>Y</b> EPEPLG
4729	Q07820	185	LEIISR <b>Y</b> LREQAT
4730	Q07866	361	YEEVEY <b>Y</b> YQRALE
4731	Q07866	362	EEVEY <b>Y</b> YQRALEI
4732	Q07866	404	KQAETL <b>Y</b> KEILTR
4733	Q07912	22	EVQLQQ <b>Y</b> FLRLRD
4734	Q07912	40	RLSHFE <b>Y</b> VKNEDL
4735	Q07912	193	RNLIRL <b>Y</b> GVVLTP
4736	Q07912	232	LGTLSR <b>Y</b> AVQVAE
4737	Q07912	242	VAEGMG <b>Y</b> LESKRF
4738	Q07912	326	LWEMFT <b>Y</b> GQEPWI
4739	Q07912	361	DCPQDI <b>Y</b> NVMVQC
4740	Q07912	423	EGRAEN <b>Y</b> WWRGQN
4741	Q07912	486	DRIDEL <b>Y</b> LGNPMD
4742	Q07912	635	LPPPPA <b>Y</b> DDVAQD
4743	Q07912	670	SQGQTN <b>Y</b> AFVPEQ
4744	Q07912	860	VSSTHY <b>Y</b> LLPERP
4745	Q07912	868	LPERPS <b>Y</b> LERYQR

4746	Q07912	992	VQRAAQ <b>Y</b> LKVEQL
4747	Q07954	387	VYWAD <b>A</b> YLDYIEV
4748	Q07954	617	WMGDNL <b>Y</b> WTDGDP
4749	Q07954	1043	DNDCGD <b>Y</b> SDETHA
4750	Q07954	1341	FEVVIQ <b>Y</b> GLATPE
4751	Q07954	1443	NGLTVD <b>Y</b> LEKRIL
4752	Q07954	1492	LYGGEV <b>Y</b> WTDWRT
4753	Q07954	1528	PFDLQV <b>Y</b> HPSRQP
4754	Q07954	1587	FKKFL <b>L</b> YARQMEI
4755	Q07954	1605	DAPYYN <b>Y</b> IISFTV
4756	Q07954	1622	NVTVLD <b>Y</b> DAREQR
4757	Q07954	1717	PLRGKL <b>Y</b> WTDGDN
4758	Q07954	1757	FPESKL <b>Y</b> WISSGN
4759	Q07954	2000	LNGSFR <b>Y</b> VVISQG
4760	Q07954	2298	RGWDTL <b>Y</b> WTSYTT
4761	Q07954	2406	KIERCE <b>Y</b> DGSHRY
4762	Q07954	2700	PRCPLN <b>Y</b> FACPSG
4763	Q07954	3049	NLDGSN <b>Y</b> TLLKQG
4764	Q07954	3066	VALDFD <b>Y</b> REQMIY
4765	Q07954	3072	YREQMI <b>Y</b> WTDVTT
4766	Q07954	3135	SKLNG <b>A</b> YRTVLVS
4767	Q07954	3160	VQNGYL <b>Y</b> WTDWGD
4768	Q07954	3212	ADARED <b>Y</b> IEFASL
4769	Q07954	3243	LTLFED <b>Y</b> VYWTDW
4770	Q07954	3915	VKAGRV <b>Y</b> WTNWHT
4771	Q07955	72	DAEDAV <b>Y</b> GRDGYD
4772	Q07955	77	VYGRDG <b>Y</b> DYDGYR
4773	Q07955	226	NSRSRS <b>Y</b> SPRRSR
4774	Q08050	241	ERPPYS <b>Y</b> MAMIQF
4775	Q08050	263	MTLKDI <b>Y</b> TWIEDH
4776	Q08050	377	LPRVSS <b>Y</b> LVPIQF
4777	Q08188	241	GNWSGT <b>Y</b> TGGRDP
4778	Q08188	312	NLSVDV <b>Y</b> YDPMGN
4779	Q08188	440	MDVTDK <b>Y</b> KYPEGS
4780	Q08345	33	DPAKCR <b>Y</b> ALGMQD
4781	Q08345	86	FPKEEE <b>Y</b> LQVDLQ
4782	Q08345	118	KEFSRS <b>Y</b> RLRYSR
4783	Q08345	122	RSYRLR <b>Y</b> SRDGRR
4784	Q08345	167	ARLVR <b>F</b> YPRADRV
4785	Q08345	183	CLRVEL <b>Y</b> GCLWRD
4786	Q08345	194	RDGLLS <b>Y</b> TAPVGQ
4787	Q08345	203	PVGQTM <b>Y</b> LSEAVY
4788	Q08345	209	YLSEAV <b>Y</b> LNDSY
4789	Q08345	215	YLNDST <b>Y</b> DGHTVG
4790	Q08345	225	TVGGLQ <b>Y</b> GGLGQL
4791	Q08345	253	LRVWPG <b>Y</b> DYVGWS
4792	Q08345	255	VWPGYD <b>Y</b> VGWSNH
4793	Q08345	267	HSFSSG <b>Y</b> VEMEFE
4794	Q08345	543	PTNTQ <b>A</b> YSGDYME
4795	Q08345	547	QAYS <b>G</b> DYMEPEKP
4796	Q08345	569	QNSVPH <b>Y</b> AEADIV
4797	Q08345	586	VTGGNT <b>Y</b> AVPALP
4798	Q08345	703	LCMITD <b>Y</b> MENGDL
4799	Q08345	756	IASGMR <b>Y</b> LATLNF
4800	Q08345	869	DQGRQV <b>Y</b> LSRPPA
4801	Q08345	881	ACPQGL <b>Y</b> ELMLRC
4802	Q08426	558	KRGNRR <b>Y</b> CPDPV
4803	Q08426	582	GKGWYQ <b>Y</b> DKPLGR

4804	Q08426	682	LEKLQK <b>Y</b> YRQNP
4805	Q08431	154	RLASHE <b>Y</b> LKAFKV
4806	Q08431	323	ASYKVA <b>Y</b> SNDSAN
4807	Q08431	333	SANWTE <b>Y</b> QDPRTG
4808	Q08495	41	DNQVLG <b>Y</b> KDLAAI
4809	Q08495	64	RPDLMI <b>Y</b> EPHFTY
4810	Q08495	70	YEPHFT <b>Y</b> SLLEHV
4811	Q08722	131	TIIE <b>LK</b> YRVVSWF
4812	Q08722	225	ILILLH <b>Y</b> YVFSTA
4813	Q08722	288	QLLGLV <b>Y</b> MKFVAS
4814	Q08945	93	DFFKTH <b>Y</b> RLELME
4815	Q08945	311	NMSGSL <b>Y</b> EMVSRV
4816	Q08945	614	EKAMKE <b>Y</b> EGGRGE
4817	Q08999	77	RSMSES <b>Y</b> TLEGND
4818	Q08999	226	DDLVNS <b>Y</b> HLLLCA
4819	Q08999	341	NKAYEE <b>Y</b> VLSVGN
4820	Q08J23	52	KLFEHY <b>Y</b> QELKIV
4821	Q08J23	612	EGIYTL <b>Y</b> PFINSR
4822	Q08J23	646	KLSS <b>ET</b> Y <b>S</b> QAKDL
4823	Q09028	98	QFDASH <b>Y</b> DSEKGE
4824	Q09028	181	GHQKEG <b>Y</b> GLSWNP
4825	Q09028	284	CLSFNP <b>Y</b> SEFILA
4826	Q09161	228	PHPQEE <b>Y</b> LDCLWA
4827	Q09161	253	RHILRP <b>Y</b> LAFDSI
4828	Q09161	294	IFRMFD <b>Y</b> TDDPEG
4829	Q0VD86	40	RPMPQR <b>Y</b> GDVFWK
4830	Q0VD86	77	CSQLGL <b>Y</b> PPEQLP
4831	Q0VD86	118	RVRAVT <b>Y</b> HLEDLR
4832	Q12778	421	NSPSPN <b>Y</b> QKYTYG
4833	Q12778	424	SPNYQK <b>Y</b> TYGQSS
4834	Q12778	507	NSVMST <b>Y</b> GSQASH
4835	Q12792	134	DVSLHG <b>Y</b> KKYLLS
4836	Q12792	241	RYHFFL <b>Y</b> KHSHEG
4837	Q12792	257	ESIVFI <b>Y</b> SMPGYT
4838	Q12834	152	NRLKVL <b>Y</b> SQKATP
4839	Q12834	167	SRKTCR <b>Y</b> IPSLPD
4840	Q12834	186	EIRNDY <b>Y</b> LNLDVW
4841	Q12841	145	FSKGSN <b>Y</b> SEILDK
4842	Q12841	152	SEILDK <b>Y</b> FKNFDN
4843	Q12841	240	ALEDET <b>Y</b> ADGAET
4844	Q12866	32	REEAKP <b>Y</b> PLFPGP
4845	Q12866	59	LPHASG <b>Y</b> QPALMF
4846	Q12866	123	ISVPNI <b>Y</b> QDTTIS
4847	Q12866	148	HAITQF <b>Y</b> PDDEVT
4848	Q12866	173	RSDNGS <b>Y</b> ICKMKI
4849	Q12866	190	IVSDPI <b>Y</b> IEVQGL
4850	Q12866	311	VPGFDG <b>Y</b> SPFRNC
4851	Q12866	344	SALPHL <b>Y</b> QIKQLQ
4852	Q12866	355	LQALAN <b>Y</b> SIGVSC
4853	Q12866	420	DGELVG <b>Y</b> RISHVW
4854	Q12866	488	AHGWVD <b>Y</b> APSSTP
4855	Q12866	520	LIGLIL <b>Y</b> ISLAIR
4856	Q12866	549	SELVVN <b>Y</b> IAKKSF
4857	Q12866	676	ILPFMK <b>Y</b> GDLHTY
4858	Q12866	682	YGD <b>LHT</b> Y <b>L</b> LYSRL
4859	Q12866	685	LHTYLL <b>Y</b> SRLETG
4860	Q12866	713	IALGME <b>Y</b> LSNRNF
4861	Q12866	777	SLADRV <b>Y</b> TSKSDV

4862	Q12866	801	TRGMT <b>P</b> YPGVQNH
4863	Q12866	810	VQNH <b>E</b> MYDYLLHG
4864	Q12866	812	NHEMYD <b>Y</b> LLHGHR
4865	Q12866	830	DCLDEL <b>Y</b> EIMYSC
4866	Q12866	834	ELYEIM <b>Y</b> SCWRTD
4867	Q12866	929	KPHEGR <b>Y</b> ILNGGS
4868	Q12874	149	HDCYL <b>K</b> YINLKAS
4869	Q12874	196	LEYLQD <b>Y</b> TDRVKP
4870	Q12874	397	PIPYWL <b>Y</b> KLHGLN
4871	Q12888	945	PIGISN <b>Y</b> PESTIA
4872	Q12888	1775	PPFN <b>K</b> Q <b>Y</b> TESQLR
4873	Q12888	1843	ANQLQ <b>N</b> YRNYLLP
4874	Q12906	690	AGYSQ <b>F</b> YSNGGHS
4875	Q12906	853	QGKQGG <b>Y</b> SQSNN
4876	Q12906	874	SGPPSS <b>Y</b> QSSQGG
4877	Q12933	78	CVHEGI <b>Y</b> EEGISI
4878	Q12933	382	IFSPAF <b>Y</b> TSRYGY
4879	Q12933	395	KMCLRI <b>Y</b> LNGDGT
4880	Q12962	97	AISNGV <b>Y</b> VLPSAA
4881	Q12962	137	PDAVTG <b>Y</b> YLNRA
4882	Q12962	193	KSKDR <b>K</b> YTLTMED
4883	Q12968	86	LQSHKN <b>Y</b> EGTCEI
4884	Q12968	150	PSRDHL <b>Y</b> LPLEPS
4885	Q12968	884	HLQSMG <b>Y</b> HCSNTG
4886	Q12972	48	IIDEKK <b>Y</b> YLFGRN
4887	Q12972	49	IDEKK <b>Y</b> YLFGRNP
4888	Q12972	76	VHAALV <b>Y</b> HKHLKR
4889	Q12972	124	GASTRA <b>Y</b> TLREKP
4890	Q12972	294	GGLPMP <b>Y</b> PNLAPD
4891	Q12972	322	APNPAV <b>Y</b> NPEAVN
4892	Q13002	462	NDRFEG <b>Y</b> CIDLLR
4893	Q13002	542	LGISIL <b>Y</b> RKPNGT
4894	Q13002	702	KSKIST <b>Y</b> DKMWF
4895	Q13042	13	RKRVRQ <b>Y</b> LDQQQY
4896	Q13042	309	FAVG <b>C</b> Y <b>Y</b> LMVGHK
4897	Q13042	333	TTLEKT <b>Y</b> GPAWIA
4898	Q13045	846	DVLTVD <b>Y</b> TRNAEA
4899	Q13045	1129	TMFDTS <b>Y</b> SKQVIN
4900	Q13045	1160	YDDDAE <b>Y</b> MKHTRL
4901	Q13049	188	KAVLQ <b>E</b> Y <b>G</b> HEERR
4902	Q13049	226	VVEEQS <b>Y</b> LLNIAE
4903	Q13049	507	GSGVVK <b>Y</b> SCLCSA
4904	Q13085	693	RQSPNS <b>Y</b> VVIMNG
4905	Q13085	855	LHRVFH <b>Y</b> VLDNLV
4906	Q13085	1758	YLTPQD <b>Y</b> KRVSA
4907	Q13098	152	DTD <b>L</b> KN <b>Y</b> KGNSIK
4908	Q13098	191	YSRARD <b>Y</b> CTSAKH
4909	Q13098	425	SHSKIL <b>Y</b> ARDVDQ
4910	Q13115	154	ERFSSE <b>Y</b> PEFCSK
4911	Q13115	265	FMEAIE <b>Y</b> IDAVKD
4912	Q13115	294	ATICLA <b>Y</b> LMMKKR
4913	Q13153	55	KKKDRF <b>Y</b> RSILPG
4914	Q13153	270	GDPKK <b>K</b> YTRFEKI
4915	Q13153	330	NPNIVN <b>Y</b> LDSYLV
4916	Q13153	334	VNYLDS <b>Y</b> LVGDEL
4917	Q13153	346	LWV <b>V</b> ME <b>Y</b> LAGGSL
4918	Q13153	429	TMVGTP <b>Y</b> WMAPEV
4919	Q13153	441	VVTRKA <b>Y</b> GPKVDI



4920	Q13153	464	IEGEPP <b>Y</b> LNENPL
4921	Q13153	474	NPLRAL <b>Y</b> LIATNG
4922	Q13158	133	DSIEDR <b>Y</b> PRNLTE
4923	Q13163	86	AMLSY <b>Y</b> STVMEQ
4924	Q13163	273	VVKGLT <b>Y</b> LWSLKI
4925	Q13163	333	RISGEQ <b>Y</b> GIHSDV
4926	Q13164	267	LFPGKN <b>Y</b> VHQLQL
4927	Q13164	350	HPFLAK <b>Y</b> HDPDDE
4928	Q13164	686	TPGVLP <b>Y</b> FPPGLP
4929	Q13188	85	SPYVVK <b>Y</b> YGSYFK
4930	Q13188	101	LWIVME <b>Y</b> CGAGSV
4931	Q13188	198	VIQEIG <b>Y</b> NCVADI
4932	Q13191	73	LKNSPP <b>Y</b> ILDILP
4933	Q13191	82	DILPDT <b>Y</b> QHLRLI
4934	Q13191	92	RLILSK <b>Y</b> DDNQKL
4935	Q13191	106	QLSENE <b>Y</b> FKIYID
4936	Q13191	110	NEYFKI <b>Y</b> IDSLMK
4937	Q13191	133	EGKERM <b>Y</b> EEQSQD
4938	Q13191	227	DLTCND <b>Y</b> ISVFEF
4939	Q13191	260	AVTHPG <b>Y</b> MAFLTY
4940	Q13191	266	YMAFLT <b>Y</b> DEVKAR
4941	Q13191	276	KARLQK <b>Y</b> STKPGS
4942	Q13191	283	STKPGS <b>Y</b> IFRLSC
4943	Q13191	299	GQWAIG <b>Y</b> VTGDGN
4944	Q13191	329	GSREGF <b>Y</b> LYPDGR
4945	Q13191	331	REGFYL <b>Y</b> PDGRSY
4946	Q13191	337	YPDGRS <b>Y</b> NPDLTG
4947	Q13191	360	KVTQEQ <b>Y</b> ELYCEM
4948	Q13191	763	IPDLSI <b>Y</b> LKGDVF
4949	Q13191	802	NRTPSD <b>Y</b> DLLIPP
4950	Q13191	944	KLMGEG <b>Y</b> AFEEVK
4951	Q13217	170	AFGSGD <b>Y</b> TAAIAF
4952	Q13217	233	KISTLY <b>Y</b> QLGDHE
4953	Q13217	284	LIRDGR <b>Y</b> TDATSK
4954	Q13247	82	DRDGYS <b>Y</b> GSRSGG
4955	Q13247	102	TSGRDK <b>Y</b> GPPVRT
4956	Q13247	269	SRSKDE <b>Y</b> EKSRSR
4957	Q13257	33	GINSIL <b>Y</b> QGIYP
4958	Q13257	64	DLELIK <b>Y</b> LNNVVE
4959	Q13257	77	QLKDWL <b>Y</b> KCSVQK
4960	Q13263	133	KDIVEN <b>Y</b> FMRDSG
4961	Q13263	186	AHQRVK <b>Y</b> TKDHTV
4962	Q13263	208	DGERTV <b>Y</b> CNVHKK
4963	Q13283	34	DMLHRF <b>Y</b> GKNSSY
4964	Q13283	56	KPADAV <b>Y</b> GQKEIH
4965	Q13283	174	DDSGTF <b>Y</b> DQAVVS
4966	Q13285	99	NKFGPM <b>Y</b> KRDRAL
4967	Q13285	138	PPPAPD <b>Y</b> VLPPSL
4968	Q13285	409	DYTLCH <b>Y</b> PHCGDK
4969	Q13303	29	MIYSTR <b>Y</b> GSPKRQ
4970	Q13303	151	ERLQLE <b>Y</b> VDDVFA
4971	Q13303	255	GIVSGK <b>Y</b> DSGIPP
4972	Q13309	128	GVCKRW <b>Y</b> RLASDE
4973	Q13309	336	EFFQLN <b>Y</b> LQHLSL
4974	Q13309	346	LSLSRC <b>Y</b> DIIPET
4975	Q13310	54	TRRSLG <b>Y</b> AYVNFQ
4976	Q13310	238	GFGFVS <b>Y</b> EKHEDA
4977	Q13310	382	AHLTNQ <b>Y</b> MQRVAG



4978	Q13315	288	LFQLQI <b>Y</b> IHHPKG
4979	Q13315	1297	LVNILP <b>Y</b> FAYEGT
4980	Q13315	1508	CQTAVT <b>Y</b> CKDALE
4981	Q13322	15	SFLHHP <b>Y</b> YQDKVE
4982	Q13322	16	FLHHP <b>Y</b> YQDKVEQ
4983	Q13322	199	LCQLLV <b>Y</b> KSHCVD
4984	Q13322	249	FLFRKN <b>Y</b> AKYEFF
4985	Q13322	252	RKN <b>Y</b> AK <b>Y</b> EFFKNP
4986	Q13322	311	KSWKKL <b>Y</b> VCLRRS
4987	Q13322	320	LRRSGL <b>Y</b> CSTKGT
4988	Q13322	354	IAGRK <b>Q</b> <b>Y</b> NAPTDH
4989	Q13322	399	AFRLLK <b>Y</b> GMLLYQ
4990	Q13322	404	KYGMLL <b>Y</b> QNYRIP
4991	Q13322	407	MLLYQ <b>N</b> YRIPQQR
4992	Q13322	574	IQLVDF <b>Y</b> QLNKGV
4993	Q13330	359	QVYIP <b>N</b> <b>Y</b> NKPNN
4994	Q13330	402	CYTTQ <b>S</b> <b>Y</b> QWYSWG
4995	Q13330	472	KTRQAF <b>Y</b> LHTTKL
4996	Q13342	130	PDLNEI <b>Y</b> RSFQNV
4997	Q13342	138	SFQNV <b>C</b> <b>Y</b> EHSPLQ
4998	Q13342	160	RPRLLP <b>Y</b> GKQENS
4999	Q13363	76	AVGALM <b>Y</b> HTITLT
5000	Q13363	206	VLFD <b>P</b> <b>Y</b> LSDGVE
5001	Q13363	381	NGAAYR <b>Y</b> PPGVVG
5002	Q13371	17	EKLQ <b>Y</b> <b>Y</b> SSSEDE
5003	Q13371	188	VIMVHI <b>Y</b> EDGIPG
5004	Q13371	209	ICLAAE <b>Y</b> PAVKFC
5005	Q13404	60	GPPRTI <b>Y</b> ENRIYS
5006	Q13404	75	IECGPK <b>Y</b> PEAPPF
5007	Q13404	115	AKWQNS <b>Y</b> SIKVVL
5008	Q13421	346	NAIPFT <b>Y</b> EQLDVL
5009	Q13421	360	HKLDEL <b>Y</b> PQGYPE
5010	Q13421	448	TAFYPG <b>Y</b> LCSLSP
5011	Q13422	205	KPHKCG <b>Y</b> CGRSYK
5012	Q13422	237	GLPGTL <b>Y</b> PVKEE
5013	Q13422	293	GLSDTP <b>Y</b> DSSASY
5014	Q13426	66	AMEKGK <b>Y</b> VGELRK
5015	Q13426	129	IRELIC <b>Y</b> CLDTIA
5016	Q13426	229	ADRPV <b>Y</b> DESTDE
5017	Q13444	100	RPTLVW <b>Y</b> QPDGTR
5018	Q13444	119	TLENCC <b>Y</b> QGRVRG
5019	Q13444	126	QGRVRG <b>Y</b> AGSWVS
5020	Q13444	151	LTPERS <b>Y</b> TLEQGP
5021	Q13444	229	HSEAQK <b>Y</b> RDFQHL
5022	Q13444	527	HGRCAS <b>Y</b> AQQCQS
5023	Q13444	568	RNPSGS <b>Y</b> VSCTPR
5024	Q13444	674	DSNRHC <b>Y</b> CEEGWA
5025	Q13444	717	LGASYW <b>Y</b> RARLHQ
5026	Q13509	200	ENTDET <b>Y</b> CIDNEA
5027	Q13509	208	IDNEAL <b>Y</b> DICFRT
5028	Q13509	310	DPRHGR <b>Y</b> LTVATV
5029	Q13526	23	RSSGRV <b>Y</b> YFNHIT
5030	Q13526	24	SSGRV <b>Y</b> YFNHITN
5031	Q13526	92	LELING <b>Y</b> IQIKIS
5032	Q13535	352	LCHLLQ <b>Y</b> FLKFVP
5033	Q13535	1107	ASSDDP <b>Y</b> QGPRDI
5034	Q13535	2322	GSDGKF <b>Y</b> IMMCKP
5035	Q13542	34	AQLPHD <b>Y</b> CTTPGG

5036	Q13542	54	GGTRII <b>Y</b> DRKFLL
5037	Q13546	192	NGGTLY <b>Y</b> MAPEHL
5038	Q13546	212	TEKSDV <b>Y</b> SFAVVL
5039	Q13546	510	PVPETN <b>Y</b> LGNTPT
5040	Q13547	13	TRRKVC <b>Y</b> YDGDV
5041	Q13547	336	YNDYFE <b>Y</b> FGPDFK
5042	Q13547	358	NQNTNE <b>Y</b> LEKIKQ
5043	Q13554	17	TDEYQL <b>Y</b> EDIGKG
5044	Q13554	223	EDQHKL <b>Y</b> QQIKAG
5045	Q13554	586	MDFHRF <b>Y</b> FENLLA
5046	Q13561	54	VNPNA <b>Y</b> DKFKDK
5047	Q13561	81	KTKRTG <b>Y</b> ESGEYE
5048	Q13561	313	SKVHQL <b>Y</b> ETIQRW
5049	Q13568	30	QVNSCQ <b>Y</b> PGLQWV
5050	Q13568	118	PQPYKI <b>Y</b> EVCSNG
5051	Q13568	256	LEIKFQ <b>Y</b> RGRPPR
5052	Q13572	12	KGKRVG <b>Y</b> WLSEKK
5053	Q13572	119	IRKIEA <b>Y</b> MEDDRI
5054	Q13572	198	NHNAVL <b>Y</b> KVFVVG
5055	Q13573	44	RREPPP <b>Y</b> GyrKGW
5056	Q13573	433	DEIYNV <b>Y</b> DQAWRG
5057	Q13573	459	NLDKDM <b>Y</b> GDDLEA
5058	Q13601	111	KKTFDP <b>Y</b> IIIRAR
5059	Q13601	182	ELLTNC <b>Y</b> IMVQGN
5060	Q13601	217	KNIHPI <b>Y</b> NIKSLM
5061	Q13614	93	MAKDVT <b>Y</b> ICPFTG
5062	Q13614	302	SKEDEK <b>Y</b> LQAIMD
5063	Q13614	371	KLKEIV <b>Y</b> PNIEET
5064	Q13627	40	MPHSHQ <b>Y</b> SDRRQP
5065	Q13627	58	QVSALS <b>Y</b> SDQIQQ
5066	Q13627	104	VDLIK <b>Y</b> KHINEV
5067	Q13627	112	HINEV <b>Y</b> AKKKRR
5068	Q13627	136	KKERKV <b>Y</b> NDGYDD
5069	Q13627	147	DDDNYD <b>Y</b> IVKNGE
5070	Q13627	220	DTEMKY <b>Y</b> IVHLKR
5071	Q13627	243	VFEMLS <b>Y</b> NLYDLL
5072	Q13627	246	MLSYNL <b>Y</b> DLLRNT
5073	Q13627	327	YIQSRF <b>Y</b> RSPEVL
5074	Q13627	338	VLLGMP <b>Y</b> DLAIDM
5075	Q13627	415	KDGKRE <b>Y</b> KPPGTR
5076	Q13627	462	ILRMLD <b>Y</b> DPKTRI
5077	Q13627	471	KTRIQP <b>Y</b> YALQHS
5078	Q13627	472	TRIQP <b>Y</b> YALQHSF
5079	Q13627	633	RTRPRV <b>Y</b> NSPTNS
5080	Q13627	680	NQGNQ <b>Y</b> QNRPVA
5081	Q13627	705	DVNLT <b>Y</b> SNPRQE
5082	Q13627	720	IAGHPT <b>Y</b> QFSANT
5083	Q13627	731	NTGPAH <b>Y</b> MTEGHL
5084	Q13637	45	TSIIKR <b>Y</b> VHQLFS
5085	Q13637	54	QLFSQ <b>Y</b> HRATIGV
5086	Q13637	96	NMTRV <b>Y</b> YKEAVGA
5087	Q13671	121	SFVSSH <b>Y</b> ILESPG
5088	Q13671	148	VQLICA <b>Y</b> CHTRDI
5089	Q13671	295	RESSVG <b>Y</b> RVPAGS
5090	Q13671	506	LQLLRT <b>Y</b> SPSAQV
5091	Q13671	523	QACKLL <b>Y</b> MALRTQ
5092	Q13671	561	LLLEAE <b>Y</b> MSELLE
5093	Q13671	577	LTGEGG <b>Y</b> YLTSLS

5094	Q13671	578	TGEGGY <b>Y</b> LTSLSA
5095	Q13671	632	HLLRVA <b>Y</b> QDPSSG
5096	Q13671	676	TFGLFL <b>Y</b> KEQGYH
5097	Q13671	681	LYKEQG <b>Y</b> HRLPPG
5098	Q13671	698	RLPTTG <b>Y</b> LVYRRA
5099	Q13671	701	TTGYLV <b>Y</b> RRAEWP
5100	Q13765	112	ITKPDV <b>Y</b> KSPASD
5101	Q13765	120	SPASDT <b>Y</b> IVFGEA
5102	Q13769	36	TEQEGK <b>Y</b> YSEEAE
5103	Q13769	37	EQEGK <b>Y</b> YSEEAEV
5104	Q13769	52	RDPGRD <b>Y</b> ELYKYT
5105	Q13769	55	GRDYEL <b>Y</b> KYTCQE
5106	Q13769	57	DYELYK <b>Y</b> TCQELQ
5107	Q13769	126	KQKVD <b>Y</b> HLQLQN
5108	Q13769	135	QLQNLL <b>Y</b> EVMLHQ
5109	Q13769	166	VSLEEF <b>Y</b> KEAPPD
5110	Q13769	205	KRLAEK <b>Y</b> RECLSN
5111	Q13769	246	SLPVQE <b>Y</b> LMPFD
5112	Q13769	269	HLPPPL <b>Y</b> VLFVQA
5113	Q13769	278	FVQAT <b>Y</b> GQACDK
5114	Q13769	365	VLHLTF <b>Y</b> YLMNLN
5115	Q13769	366	LHLTF <b>Y</b> YLMNLNI
5116	Q13769	405	SVLSCL <b>Y</b> PGDHGK
5117	Q13769	420	PNPANQ <b>Y</b> QFDKVG
5118	Q13769	433	ILTLSD <b>Y</b> VLELGH
5119	Q13769	441	LELGHP <b>Y</b> LWVQKL
5120	Q13769	530	TVAHED <b>Y</b> MELHFT
5121	Q13769	551	AGDTNL <b>Y</b> YMALIE
5122	Q13769	552	GDTNL <b>Y</b> YMALIER
5123	Q13769	573	VVLNPG <b>Y</b> SSIPPV
5124	Q13769	609	GEVNVC <b>Y</b> KELCGP
5125	Q13769	673	RMKPFK <b>Y</b> NHPQGF
5126	Q13829	110	LMAEAK <b>Y</b> YLIQGL
5127	Q13829	230	CCTSIV <b>Y</b> ATEKKQ
5128	Q13829	300	RIHVKR <b>Y</b> STYDDR
5129	Q13882	127	TQAVRH <b>Y</b> KIWRRA
5130	Q13882	154	LPELVN <b>Y</b> HRAQSL
5131	Q13882	201	RKLGSG <b>Y</b> FGEVFE
5132	Q13882	251	KHILAL <b>Y</b> AVVSVG
5133	Q13882	261	SVGDPV <b>Y</b> IITELM
5134	Q13882	302	VAEGMC <b>Y</b> LESQNY
5135	Q13882	308	YLESQN <b>Y</b> IHRDLA
5136	Q13882	364	ALSRGH <b>Y</b> STKSDV
5137	Q13882	388	SRGQVP <b>Y</b> PGMSNH
5138	Q13882	404	LRVDAG <b>Y</b> RMPCPL
5139	Q13884	155	DQTQAL <b>Y</b> VGDAIL
5140	Q13884	448	ISTACT <b>Y</b> KNQECR
5141	Q13884	483	TIIQSP <b>Y</b> EKLKMS
5142	Q13905	61	RFLPEG <b>Y</b> PLPLDL
5143	Q13905	106	VVSALR <b>Y</b> FKTIVD
5144	Q13905	155	SALSSC <b>Y</b> SRVYQS
5145	Q13905	159	SCYSRV <b>Y</b> QSLANL
5146	Q13905	341	SGGSHS <b>Y</b> GGESPR
5147	Q13905	386	CETLDH <b>Y</b> DPDYEF
5148	Q13905	390	DHYDPD <b>Y</b> EFLQQD
5149	Q13905	478	SGCRVS <b>Y</b> ERHPSQ
5150	Q13905	485	ERHPSQ <b>Y</b> DNISGE
5151	Q13905	554	NKHMLA <b>Y</b> MQLLED

5152	Q13905	561	MQLLEDYSEPQPS
5153	Q13905	570	PQPSMFYQTPQNE
5154	Q13905	579	PQNEHIYQQKNKL
5155	Q13905	715	RKDLVLCEAFLT
5156	Q13905	723	EAFLTTRYRTFISP
5157	Q13905	738	LIKKLQYRYEKFS
5158	Q13905	740	KKLQYRYEKFSPP
5159	Q13905	857	LDAELFYKIEIPE
5160	Q13905	891	HFNNMSYWVRSII
5161	Q13905	929	LNNFNSYLAILSA
5162	Q13905	957	SEGLAEYCTLIDS
5163	Q13905	970	SSSFRA YRAALSE
5164	Q13905	984	EPPCIPYLGILIQ
5165	Q13905	1030	CFQQAHYDMRRND
5166	Q13950	299	SSPPWSYDQSYPS
5167	Q13950	400	YPATFTYTPPVTS
5168	Q13950	454	GTSSGSYQFPMVP
5169	Q14118	130	TDKGVHYISVSAT
5170	Q14118	157	VFSIEVYPEDHSE
5171	Q14118	292	MSAQLGYPVVGWH
5172	Q14118	410	TMTIPGYVEPTAV
5173	Q14118	513	DAWVGTYFEVKIP
5174	Q14118	524	IPSDTFYDHEDTT
5175	Q14118	562	SNSQLMYGLPDSS
5176	Q14118	575	HVGKHEYFMHATD
5177	Q14118	750	SSEDDVYLHTVIP
5178	Q14118	775	IIAMICYRKKRKG
5179	Q14118	831	PLPPPEYPNQSV
5180	Q14118	850	QDTMGEYTPLRDE
5181	Q14118	863	DPNAPPYQPPPPF
5182	Q14118	886	PKNMTPYRSPPPY
5183	Q14141	115	INKEDSYKPIVEF
5184	Q14141	129	DAQFEAYLQEELK
5185	Q14141	256	MMRARQYPWGTQV
5186	Q14152	32	PALDVLVDVMKSK
5187	Q14152	72	LAKEGLYQYKNIC
5188	Q14152	93	EDVVRAYLKMAEE
5189	Q14155	113	FDANDLYQGQNFN
5190	Q14155	314	SSANISYLMGNLE
5191	Q14155	364	KTLYLTYCANHPS
5192	Q14164	88	KVLVMEYCSSGSL
5193	Q14164	554	DKMNFYKQFKKS
5194	Q14164	568	MRPGLGYNEEQIH
5195	Q14194	145	VDITSWYDGVREE
5196	Q14194	167	VNSFQVYMAKDV
5197	Q14194	431	HKSAVEYNIFEGM
5198	Q14207	142	ELLTLPYLSGQFT
5199	Q14207	171	SDPSRSYFVVVNH
5200	Q14207	849	VSKDGGYIQLMPA
5201	Q14242	48	QATEYEYLDYDFL
5202	Q14242	51	EYEYLDYDFLPET
5203	Q14242	357	MYPVRNYSPTMV
5204	Q14247	84	PKASHGYGGKFGV
5205	Q14247	104	SAVGHEYQSKLSK
5206	Q14247	154	HASQKDYSSGFGG
5207	Q14247	162	SGFGGKYGVQADR
5208	Q14247	178	SAVGFDYQKTEK
5209	Q14247	191	HESQRDYSKGFGG

5210	Q14247	199	KGFGGK <b>Y</b> GIDKDK
5211	Q14247	215	SAVGFE <b>Y</b> QGKTEK
5212	Q14247	228	HESQKD <b>Y</b> VKGFGG
5213	Q14247	265	HESQKD <b>Y</b> KTGFGG
5214	Q14247	289	AAVGFD <b>Y</b> KEKLAK
5215	Q14247	302	HESQQD <b>Y</b> SKGFGG
5216	Q14247	310	KGFGGK <b>Y</b> GVQKDR
5217	Q14247	334	TQVSSA <b>Y</b> QKTVPV
5218	Q14247	433	FKAELS <b>Y</b> RGPVSG
5219	Q14247	464	SQQGLA <b>Y</b> ATEAVY
5220	Q14247	479	AEAPGH <b>Y</b> PAEDST
5221	Q14247	501	ITAVAL <b>Y</b> DYQAAG
5222	Q14247	503	AVALYD <b>Y</b> QAAGDD
5223	Q14247	538	GVCKGR <b>Y</b> GLFPAN
5224	Q14289	46	ILKVCF <b>Y</b> SNSFNP
5225	Q14289	90	IRLAEC <b>Y</b> GLRLKH
5226	Q14289	118	GEVQDK <b>Y</b> ECLHVE
5227	Q14289	129	VEAEWR <b>Y</b> DLQIRY
5228	Q14289	153	DRTLL <b>Y</b> FYQQLR
5229	Q14289	155	TTL <b>Y</b> FYQQLRND
5230	Q14289	162	QQLRND <b>Y</b> MQRYAS
5231	Q14289	166	NDYMQR <b>Y</b> ASKVSE
5232	Q14289	238	QQTFQQ <b>Y</b> ASLREE
5233	Q14289	265	NIDQET <b>Y</b> RCELIQ
5234	Q14289	351	ADLIDG <b>Y</b> CRLQGE
5235	Q14289	418	RPGGPQ <b>Y</b> GIARED
5236	Q14289	440	GFFGEV <b>Y</b> EGVYTN
5237	Q14289	444	EVYEGV <b>Y</b> TNHKGE
5238	Q14289	505	WIIMEL <b>Y</b> PYGELG
5239	Q14289	507	IMEL <b>Y</b> PYGELGHY
5240	Q14289	513	YGELGH <b>Y</b> LERNKN
5241	Q14289	529	VLTLVL <b>Y</b> SLQICK
5242	Q14289	539	ICKAMAY <b>Y</b> LESINC
5243	Q14289	573	DFGLSR <b>Y</b> IEDEDY
5244	Q14289	655	LCPPVL <b>Y</b> TLMTRC
5245	Q14289	664	MTRCWD <b>Y</b> DPSDRP
5246	Q14289	683	CSLSDV <b>Y</b> QMEKDI
5247	Q14289	906	QLPPEG <b>Y</b> VVVVKN
5248	Q14315	1129	PTEPGE <b>Y</b> TINILF
5249	Q14315	2373	GSCGVS <b>Y</b> VVQEPG
5250	Q14315	2692	HMGNRV <b>Y</b> NVTYTV
5251	Q14344	44	LSREKT <b>Y</b> VKRLVK
5252	Q14344	89	EFRPTI <b>Y</b> SNVIKG
5253	Q14344	145	TRVFLQ <b>Y</b> LPAIRA
5254	Q14393	523	TERGSF <b>Y</b> PGSGFA
5255	Q14393	531	GSGFAF <b>Y</b> SLDYMR
5256	Q14393	683	APVTAF <b>Y</b> RGCMTL
5257	Q14457	328	GLKFQR <b>Y</b> RLVPYG
5258	Q14457	394	TRFCLP <b>Y</b> RMDVEK
5259	Q14457	413	GGSGGS <b>Y</b> SIKTQF
5260	Q14493	95	NKEMAR <b>Y</b> KRKLLI
5261	Q14493	144	RQKQIN <b>Y</b> GKNTIA
5262	Q14493	151	GKNTIA <b>Y</b> DRYIKE
5263	Q14498	15	AMLEAP <b>Y</b> KKDENK
5264	Q14498	293	TGRSKG <b>Y</b> GFITFS
5265	Q14498	475	SAQGNV <b>Y</b> VKCPSI
5266	Q14511	106	APRDTI <b>Y</b> QVPPSY
5267	Q14511	189	HTTQGV <b>Y</b> DIPPSS

5268	Q14511	711	RQLLCF <b>Y</b> YDQCET
5269	Q14524	339	GTCPEG <b>Y</b> RCLKAG
5270	Q14524	774	IIALDP <b>Y</b> YFQQG
5271	Q14524	1426	GWMDIM <b>Y</b> AAVDSR
5272	Q14526	71	LAASSA <b>Y</b> LKSLVV
5273	Q14526	437	SFGDNL <b>Y</b> VCIPCG
5274	Q14526	576	MRFTRQ <b>Y</b> RLTEHM
5275	Q14527	13	RDPVWK <b>Y</b> LQTVQY
5276	Q14527	19	YLQTVQ <b>Y</b> GVHGNF
5277	Q14527	30	NFPRLS <b>Y</b> PTFFPR
5278	Q14527	72	HVVGLR <b>Y</b> YTGUVN
5279	Q14527	73	VVGLRY <b>Y</b> TGVVNN
5280	Q14527	93	RDPNNP <b>Y</b> DKNAIK
5281	Q14527	121	LAGALAY <b>Y</b> IMDNKL
5282	Q14527	271	EQRNDL <b>Y</b> YNTITN
5283	Q14527	272	QRNDLY <b>Y</b> NTITNF
5284	Q14527	332	NLLKKE <b>Y</b> NVNDDS
5285	Q14527	394	RKTAVQ <b>Y</b> IESSDS
5286	Q14527	507	DVHLNF <b>Y</b> VYYGPD
5287	Q14527	509	HLNFYV <b>Y</b> YGPDR
5288	Q14527	510	LNFYVY <b>Y</b> GPDRIR
5289	Q14527	531	DIVLTT <b>Y</b> NILTHD
5290	Q14527	538	NILTHD <b>Y</b> GTKGDS
5291	Q14527	678	DEERKI <b>Y</b> QSVKNE
5292	Q14527	692	RATIGR <b>Y</b> FNEGTV
5293	Q14527	702	GTVLAH <b>Y</b> ADVLGL
5294	Q14527	720	QICCHT <b>Y</b> LLTNAV
5295	Q14653	64	AEATGAY <b>Y</b> VPGRDK
5296	Q14653	210	FEVTA <b>Y</b> FRGRQVF
5297	Q14653	408	SLTSDQ <b>Y</b> KAYLQD
5298	Q14654	26	DPAEPR <b>Y</b> RARQRR
5299	Q14654	268	DANSPL <b>Y</b> DLAPSD
5300	Q14654	326	AEEDGR <b>Y</b> SVDYSK
5301	Q14671	469	VTPWGV <b>Y</b> PASLFQ
5302	Q14671	717	TGSSDL <b>Y</b> KRTSSS
5303	Q14671	819	SSSRLR <b>Y</b> GMSDVM
5304	Q14674	383	LRDDGV <b>Y</b> GGSSKQ
5305	Q14674	973	ETSFLD <b>Y</b> GENLVQ
5306	Q14674	2091	PGAPLL <b>Y</b> YVNQAR
5307	Q14676	130	ADLLCQ <b>Y</b> HRLDVS
5308	Q14676	1968	FLPPDE <b>Y</b> VVTDPE
5309	Q14676	2025	SCCGGT <b>Y</b> LPSMPR
5310	Q14678	39	VETPYG <b>Y</b> QLDLDF
5311	Q14678	216	HQLQNG <b>Y</b> QNGDY
5312	Q14678	826	MTGLDH <b>Y</b> IERIQK
5313	Q14680	10	YDELLK <b>Y</b> YELHET
5314	Q14680	11	DELLKY <b>Y</b> ELHETI
5315	Q14680	73	QHICQL <b>Y</b> HVLETA
5316	Q14680	88	IFMVLE <b>Y</b> CPGGEL
5317	Q14680	97	GGELFD <b>Y</b> IISQDR
5318	Q14680	122	IVSAVA <b>Y</b> VHSQGY
5319	Q14680	128	YVHSQ <b>Y</b> AHRDLK
5320	Q14680	143	NLLFDE <b>Y</b> HKLKLI
5321	Q14680	174	CCGSLA <b>Y</b> AAPELI
5322	Q14680	185	LIQGS <b>Y</b> LGSEAD
5323	Q14680	200	SMGILL <b>Y</b> VLMCGF
5324	Q14680	218	DNVMAL <b>Y</b> KKIMRG
5325	Q14680	226	KIMRGK <b>Y</b> DVPKWL

5326	Q14680	267	PWIMQD <b>Y</b> NPVVEW
5327	Q14680	269	IMQDYN <b>Y</b> PVEWQS
5328	Q14680	310	LISLWQ <b>Y</b> DHLTAT
5329	Q14680	317	DHLTAT <b>Y</b> LLLLAK
5330	Q14680	396	TSQFTK <b>Y</b> WTESNG
5331	Q14680	427	KNKENV <b>Y</b> TPKSAV
5332	Q14680	438	AVKNEE <b>Y</b> FMFPEP
5333	Q14680	464	LTTPNR <b>Y</b> TTPSKA
5334	Q14680	561	RRLKLH <b>Y</b> NVTTTR
5335	Q14680	594	DFVQKG <b>Y</b> TLKCQT
5336	Q14680	638	KGDAWV <b>Y</b> KRLVED
5337	Q14681	82	LNVGGT <b>Y</b> FVTTTRQ
5338	Q14681	119	KDETGA <b>Y</b> LIDRDP
5339	Q14681	158	LEEAEF <b>Y</b> NIASLV
5340	Q14683	168	GELAQE <b>Y</b> DKRKKE
5341	Q14683	298	NQKRPQ <b>Y</b> IKAKEN
5342	Q14683	516	LYPGSV <b>Y</b> GRLIDL
5343	Q14686	973	SNRPPG <b>Y</b> PSQPVE
5344	Q14686	1114	NSRKMV <b>Y</b> QESPQN
5345	Q14686	1221	ASPRPY <b>Y</b> PQTPNN
5346	Q14690	223	LLKAQE <b>Y</b> IRQKNK
5347	Q14690	466	VLTIKS <b>Y</b> GMLVKV
5348	Q14690	742	VKSIKD <b>Y</b> GVFIQF
5349	Q14694	117	GSIDCQ <b>Y</b> PGSALA
5350	Q14694	364	AYVETK <b>Y</b> SPPAIS
5351	Q14694	659	RESVQG <b>Y</b> TTKTKQ
5352	Q14703	285	TNNQVS <b>Y</b> TSWFLD
5353	Q14703	628	RVLWDQ <b>Y</b> HNLRYF
5354	Q14703	994	GIMPGR <b>Y</b> NQEVGQ
5355	Q14739	474	YSFQAF <b>Y</b> LVSHPN
5356	Q14739	498	VLKLCG <b>Y</b> VIFRGA
5357	Q14739	575	PYFYII <b>Y</b> FTMLLV
5358	Q14764	15	RIPPYH <b>Y</b> IHVLDQ
5359	Q14764	100	QDPFPL <b>Y</b> PGEVLE
5360	Q14764	324	QGIQDV <b>Y</b> VLSEQQ
5361	Q14766	1060	SNLEGS <b>Y</b> MCSCHK
5362	Q14766	1573	LKDSDD <b>Y</b> AQLCNI
5363	Q14766	1704	PSDKPN <b>Y</b> CTPLNT
5364	Q14790	101	RAQIS <b>Y</b> RVMLYQ
5365	Q14790	235	KSKPRG <b>Y</b> CLIINN
5366	Q14790	380	DSEEQ <b>Y</b> LEMDLS
5367	Q14814	57	SNKLFQ <b>Y</b> ASTDMD
5368	Q14814	72	LLKYTE <b>Y</b> NEPHES
5369	Q14814	337	TAYNTD <b>Y</b> QLTSAE
5370	Q14847	171	PTSAPV <b>Y</b> QQPQQQ
5371	Q14847	186	AQSYGG <b>Y</b> KEPAAP
5372	Q14847	207	GGGGKR <b>Y</b> RAVYDY
5373	Q14865	224	RNPQIL <b>Y</b> CRDTFD
5374	Q14865	398	TCTRRH <b>Y</b> ERLILP
5375	Q14865	1163	LLHNSI <b>Y</b> PLAAIN
5376	Q14934	665	SRPVQV <b>Y</b> FYVSNG
5377	Q14934	749	YGMPP <b>Y</b> PQTGPP
5378	Q14934	792	PFPSPD <b>Y</b> GGRGSS
5379	Q14974	76	PDIKAQ <b>Y</b> QQRWLA
5380	Q14974	255	YQYMET <b>Y</b> MGPALF
5381	Q14974	544	NSAKDC <b>Y</b> PAVQKT
5382	Q14980	1433	RAEKAS <b>Y</b> AEQLSM
5383	Q14980	1865	RLGSPD <b>Y</b> GNSALL



5384	Q14980	1903	PGRNSF <b>Y</b> MGTCQD
5385	Q14994	21	GDQATG <b>Y</b> HFNALT
5386	Q14994	263	QLQEPE <b>Y</b> VLLAAM
5387	Q14994	330	RSINEA <b>Y</b> GYQIQH
5388	Q15004	13	DSVPGT <b>Y</b> RKVVA
5389	Q15004	47	RKAENK <b>Y</b> AGGNPV
5390	Q15005	74	LLEKYK <b>Y</b> VENFGL
5391	Q15005	103	VALIWD <b>Y</b> MHPFPE
5392	Q15005	134	LTIYTS <b>Y</b> KEKSIF
5393	Q15007	33	ILRWKQ <b>Y</b> EAYVQA
5394	Q15007	193	LALQKK <b>Y</b> SEELKS
5395	Q15007	336	NQLSAG <b>Y</b> ESVDSP
5396	Q15020	48	AVAAAT <b>Y</b> KTMGPA
5397	Q15020	110	QLSINV <b>Y</b> DYNCHV
5398	Q15020	313	APRLAE <b>Y</b> QAYIDF
5399	Q15024	110	EIANTL <b>Y</b> RIFNNK
5400	Q15024	187	ELSDDP <b>Y</b> DCIRLS
5401	Q15024	208	TLCKIG <b>Y</b> RHVDA
5402	Q15025	10	RGPYRI <b>Y</b> DPGGSV
5403	Q15025	331	RSMKQ <b>Y</b> EQKITE
5404	Q15025	397	LRQKV <b>Y</b> LQDQLS
5405	Q15025	411	LTRQRE <b>Y</b> QEKEIQ
5406	Q15025	535	KASGER <b>Y</b> HVEPHP
5407	Q15025	548	EHLCGA <b>Y</b> PYAYPP
5408	Q15025	550	LCGAY <b>Y</b> AYPPMP
5409	Q15025	572	DWSQIR <b>Y</b> PPPPMA
5410	Q15025	596	LFHLPE <b>Y</b> TWRLPC
5411	Q15027	166	RTARAG <b>Y</b> RGRALD
5412	Q15027	297	QSNQLV <b>Y</b> QKKYKD
5413	Q15027	485	VIINQI <b>Y</b> EARVEA
5414	Q15046	95	VNGEDP <b>Y</b> PHKFHV
5415	Q15046	227	KDKETR <b>Y</b> RQRYLD
5416	Q15046	499	KEICNA <b>Y</b> TELNDP
5417	Q15050	146	WRRRWG <b>Y</b> QRARDD
5418	Q15054	23	QNKIVT <b>Y</b> KWLSYT
5419	Q15054	28	TYKWLS <b>Y</b> TLGVHV
5420	Q15054	344	PDSPGA <b>Y</b> EAEPS
5421	Q15056	12	TYDDRA <b>Y</b> SSFSGG
5422	Q15056	42	LPTEPP <b>Y</b> TAYVGN
5423	Q15056	101	LKEALT <b>Y</b> DGALLG
5424	Q15078	164	FLCRRC <b>Y</b> RLKHL
5425	Q15078	231	VLLTCL <b>Y</b> LSYSYM
5426	Q15078	243	MGNEIS <b>Y</b> PLKPFL
5427	Q15080	59	YLIYRR <b>Y</b> RQFHAL
5428	Q15080	112	IPALNA <b>Y</b> MKSLLS
5429	Q15080	244	NWLR <b>Y</b> CYEDTIS
5430	Q15084	146	GGRSGG <b>Y</b> SSGKQG
5431	Q15084	252	GESPVD <b>Y</b> DGGRTR
5432	Q15084	316	AAGRNS <b>Y</b> LEVLLK
5433	Q15118	49	PGQVDF <b>Y</b> ARFSPS
5434	Q15118	114	QLVQSW <b>Y</b> IQSLQE
5435	Q15118	163	AQGVIE <b>Y</b> KESFGV
5436	Q15118	179	TSQNVQ <b>Y</b> FLDRFY
5437	Q15118	185	YFLDRF <b>Y</b> MSRISI
5438	Q15118	233	EVIKDG <b>Y</b> ENARRL
5439	Q15118	268	QPIQVV <b>Y</b> VPSHLY
5440	Q15118	274	YVPSHL <b>Y</b> HMFEL
5441	Q15118	298	HANRGV <b>Y</b> PPIQVH

5442	Q15118	334	IDRLFN <b>Y</b> MYSTAP
5443	Q15118	336	RLFN <b>Y</b> MYSTAPRP
5444	Q15118	357	PLAGFG <b>Y</b> GLPISR
5445	Q15118	365	LPISR <b>L</b> YAQYFQG
5446	Q15118	368	SRLYAQ <b>Y</b> FQGD <b>L</b> K
5447	Q15118	376	QGDLKL <b>Y</b> SLEGYG
5448	Q15118	381	LYSLEG <b>Y</b> GTD <b>A</b> VI
5449	Q15118	388	GTD <b>A</b> VI <b>Y</b> IKALST
5450	Q15118	403	IERLPV <b>Y</b> NKA <b>A</b> WK
5451	Q15118	411	KAAWK <b>H</b> YNTN <b>H</b> EA
5452	Q15139	72	QDSSGD <b>Y</b> SLAHVR
5453	Q15139	98	CGFYGM <b>Y</b> DKILLF
5454	Q15139	154	ALFVH <b>S</b> YRAP <b>A</b> FC
5455	Q15139	184	EGCGLN <b>Y</b> HKR <b>C</b> AF
5456	Q15139	252	RSNSQ <b>S</b> YIGR <b>P</b> IH
5457	Q15139	278	TFVIH <b>S</b> YTRPT <b>V</b> C
5458	Q15139	286	RPTVC <b>Q</b> YCKK <b>L</b> LK
5459	Q15139	443	TLRKR <b>H</b> YWR <b>L</b> DSK
5460	Q15139	462	NDTGS <b>R</b> Y <b>Y</b> KEI <b>P</b> L
5461	Q15139	501	TTANV <b>V</b> Y <b>Y</b> VGEN <b>V</b>
5462	Q15139	581	VDISTV <b>Y</b> QIF <b>P</b> DE
5463	Q15139	598	GQFGIV <b>Y</b> GGK <b>H</b> RK
5464	Q15139	760	VLRNKG <b>Y</b> NRSL <b>D</b> M
5465	Q15139	774	SVGVII <b>Y</b> VSLSG <b>T</b>
5466	Q15139	800	QNAAF <b>M</b> YPPNP <b>W</b> K
5467	Q15139	828	VKMRK <b>R</b> YSVDK <b>T</b> L
5468	Q15139	842	HPWLQD <b>Y</b> QTW <b>L</b> DL
5469	Q15139	859	CKIGER <b>Y</b> IT <b>H</b> ESD
5470	Q15139	872	DLRWEK <b>Y</b> AGEQ <b>G</b> L
5471	Q15139	880	GEQGLQ <b>Y</b> P <b>T</b> HLIN
5472	Q15147	312	LDRLEL <b>Y</b> QEMD <b>H</b> P
5473	Q15147	322	DHPLAH <b>Y</b> FISS <b>S</b> H
5474	Q15147	775	VLRIAV <b>Y</b> DDNN <b>K</b> L
5475	Q15149	795	TAKKES <b>Y</b> SAL <b>M</b> RE
5476	Q15149	3779	GLASYD <b>Y</b> VRRR <b>L</b> T
5477	Q15149	4393	VGSSSS <b>Y</b> PIS <b>P</b> AV
5478	Q15185	9	PASAKW <b>Y</b> DRRD <b>Y</b> V
5479	Q15185	14	WYDRRD <b>Y</b> VFIE <b>F</b> C
5480	Q15208	192	EEETQ <b>F</b> YIAET <b>V</b> L
5481	Q15208	331	ETPQET <b>Y</b> KKVM <b>N</b> W
5482	Q15208	443	DWVFIN <b>Y</b> TYKR <b>F</b> E
5483	Q15287	184	MEIFST <b>Y</b> GKIK <b>M</b> I
5484	Q15287	205	PHLSKG <b>Y</b> AYVE <b>F</b> E
5485	Q15287	207	LSKGY <b>A</b> YVEF <b>E</b> NP
5486	Q15291	165	FDRRGE <b>Y</b> IYT <b>G</b> NA
5487	Q15291	225	DRIIRV <b>Y</b> DGRE <b>I</b> L
5488	Q15291	416	DPEEN <b>P</b> YGPP <b>P</b> DA
5489	Q15293	127	AKVWKD <b>Y</b> DRDK <b>D</b> D
5490	Q15293	290	EARHLV <b>Y</b> ESDK <b>N</b> K
5491	Q15293	320	GSQATN <b>Y</b> GEDL <b>T</b> K
5492	Q15303	46	SDLEQQ <b>Y</b> RALR <b>K</b> Y
5493	Q15303	52	YRALRK <b>Y</b> YENCE <b>V</b>
5494	Q15303	86	VREVTG <b>Y</b> VLVAL <b>N</b>
5495	Q15303	96	ALNQFR <b>Y</b> LPLE <b>N</b> L
5496	Q15303	111	IRGTKL <b>Y</b> EDRY <b>A</b> L
5497	Q15303	115	KLYEDR <b>Y</b> ALAI <b>F</b> L
5498	Q15303	148	ILNGGV <b>Y</b> VDQ <b>N</b> KF
5499	Q15303	285	FNAKY <b>T</b> YGA <b>F</b> CVK

5500	Q15303	378	GIHGDPYNAIEAI
5501	Q15303	429	IGGRVLYSGLSL
5502	Q15303	468	DNSNLCYYHTINW
5503	Q15303	469	NSNLCYYHTINWT
5504	Q15303	636	SHDCIYYPWTGHS
5505	Q15303	733	GAFGTVYKGIWVP
5506	Q15303	807	HGCLLEYVHEHKD
5507	Q15303	921	TFGGKPYDGIPTR
5508	Q15303	950	ICTIDVYMMVVKC
5509	Q15303	984	ARDPQRYLVIQGD
5510	Q15303	1081	QGVSVPYRAPTST
5511	Q15303	1128	DSSTQRY SADPTV
5512	Q15303	1221	TLGKAEYLKNNIL
5513	Q15303	1262	PDYLQEYSTKYFY
5514	Q15303	1266	QEYSTKYFYKQNG
5515	Q15303	1268	YSTKYFYKQNGRI
5516	Q15334	261	SHSDGSYAVWSVD
5517	Q15334	283	TVATTPYGFPPCK
5518	Q15334	873	SVACEDYAETCLA
5519	Q15370	45	PDEQRLYKDDQLL
5520	Q15398	39	ENRHKEYERNRHF
5521	Q15398	123	IFKVGRYRPDMPC
5522	Q15398	323	LDGLKTYQVTPMT
5523	Q15424	429	KNLFSKYGKVVGA
5524	Q15424	736	AALDERYHSDFNR
5525	Q15424	801	RDGWGGYGS DKRM
5526	Q15427	69	SEEDADYAIKIMN
5527	Q15427	80	MNMIKLYGKPIRV
5528	Q15427	117	IDKLLYDTFSAF
5529	Q15428	45	DINKDPYFMKNHL
5530	Q15428	117	KIGRPGYKVTQQR
5531	Q15428	138	LLFQIDYPEIAEG
5532	Q15485	162	YRDWATYKQGFGS
5533	Q15485	202	VDFEDNYQFAKYR
5534	Q15485	219	ADEAEKYNLVLGA
5535	Q15545	86	IDKKTFYKTADIC
5536	Q15545	104	TVDGDLYPPVEEP
5537	Q15545	156	KTAKKKYIESPDV
5538	Q15554	102	RWVLKFYFHEALR
5539	Q15554	256	VIQNFSYETFQOK
5540	Q15554	519	AAISKNYPFVNRT
5541	Q15637	52	REQERAYIVQLQI
5542	Q15637	129	FKPPADYKPPATR
5543	Q15637	450	PPPMQYLGSTPV
5544	Q15648	191	SKMAIMYWKATNA
5545	Q15648	340	PTYAPLYELITQF
5546	Q15648	417	IRHQVAYNTLIGS
5547	Q15653	53	APLVFGYVTEDGD
5548	Q15653	114	STVEKLYAAGAGL
5549	Q15653	326	GDEGDEYDDIVVH
5550	Q15654	123	RPDRQAYEPPPPP
5551	Q15654	131	PPPPPAYRTGSLK
5552	Q15654	149	PLPASPYGGPTPA
5553	Q15654	157	GPTPASYTASTP
5554	Q15654	213	EVWGPGYRSQREP
5555	Q15654	275	HPPSGEYFGQCGG
5556	Q15654	320	LRGQHFYAVERRA
5557	Q15654	327	AVERRAYCEGCYV

5558	Q15654	332	AYCEGCYVATLEK
5559	Q15654	358	RAMGKAYHPGCFT
5560	Q15654	430	SFHIGCYKCEECG
5561	Q15654	449	GECQGCYPLDGHI
5562	Q15691	71	AKLEHEYIQNFKI
5563	Q15691	119	KFFDANYDGKDYD
5564	Q15691	217	EKERDFYFGKLRN
5565	Q15717	95	KTIKVSYARPSSE
5566	Q15717	200	ALLSQLYHSPARR
5567	Q15717	295	FVTMTNYEEAAMA
5568	Q15726	112	EKDLPNYNWNSFG
5569	Q15746	59	EGRVRGYPEPQVT
5570	Q15746	104	EEDRGKYTCEATN
5571	Q15746	485	TRDSGTYSTASN
5572	Q15746	581	PEDHGTYTCLAEN
5573	Q15746	693	PEDTGTYTCEAWN
5574	Q15746	1168	PEDRGLYKCVAKN
5575	Q15746	1308	QEHCGCYTLLVEN
5576	Q15746	1353	SLTLSWYGSSYDG
5577	Q15746	1357	SWYGSSYDGGSAV
5578	Q15746	1366	GSAVQSYSIEIWD
5579	Q15746	1400	LLPDHEYKFRVRA
5580	Q15746	1410	VRAINVYGTSEPS
5581	Q15746	1464	QKVSDFYDIEERL
5582	Q15746	1498	GKFFKAYSMAKEKE
5583	Q15746	1565	ERECIKYMRQISE
5584	Q15746	1640	NYEPIGYATDMWS
5585	Q15746	1652	SIGVICYILVSGL
5586	Q15746	1739	KDRMKKYMARRKW
5587	Q15746	1810	KPHVKPYFSKTIR
5588	Q15746	1835	DCKIEGYPDPEVV
5589	Q15746	1859	RHFQIDYDEDGNC
5590	Q15746	1880	GDDDAKYTCKAVN
5591	Q15750	148	HQLPPQYQKILER
5592	Q15750	250	GDYKVKYGYTDID
5593	Q15750	488	VDFAEFYRLWSVD
5594	Q15788	42	REQENKYLEELAE
5595	Q15788	297	LVRKCIYAFFQPQ
5596	Q15788	991	EERPPLYSQPYSS
5597	Q15796	151	AIENCEYAFNLKK
5598	Q15796	225	ETPPPGYISEDGE
5599	Q15796	279	FWCSIAYYELNQR
5600	Q15831	166	LIDGLEYLHSQGI
5601	Q15831	261	FEGDNIYKLFENI
5602	Q15831	292	LKGMLEYEPAKRF
5603	Q15835	35	PSRDKKYLAKLKL
5604	Q15835	165	QAPFQEYLGSLYF
5605	Q15835	480	PDSKTVYAKDIQD
5606	Q15848	111	GEGAYVYRSAFSV
5607	Q15848	162	GLYYFAYHITVYM
5608	Q15848	225	GERNGLYADNDND
5609	Q15907	80	RAITSAYYRGAVG
5610	Q15907	81	AITSAAYYRGAVGA
5611	Q15907	99	IAKHLTYENVERW
5612	Q15910	447	RVLIGTYYDNFCA
5613	Q15910	518	GSSNHVYNYQPCD
5614	Q15910	520	SNHVYNYQPCDHP
5615	Q15942	425	LQGQQFYSLGAP

5616	Q15942	496	PHCVPD <b>Y</b> HKQYAP
5617	Q15942	500	PDYHKQ <b>Y</b> APRCVS
5618	Q16236	46	SQRRKE <b>Y</b> ELEKQK
5619	Q16236	366	SVESSES <b>Y</b> GDTLLG
5620	Q16236	576	DEDGKP <b>Y</b> SPSEYS
5621	Q16270	117	CVCKSR <b>Y</b> PVCGSD
5622	Q16270	178	VTGAQV <b>Y</b> LSCEVI
5623	Q16270	201	KVKRGH <b>Y</b> GVQ RTE
5624	Q16401	236	MVTSLA <b>Y</b> THHGRQ
5625	Q16401	243	THHGRQ <b>Y</b> LAQEGV
5626	Q16401	490	YLSEGP <b>Y</b> YVKPVS
5627	Q16512	369	RPARGL <b>Y</b> SRSGSL
5628	Q16512	768	CKEGMG <b>Y</b> GDR TST
5629	Q16512	834	VNDEV R <b>Y</b> PRFLSA
5630	Q16513	273	KLDLLK <b>Y</b> SLEQRL
5631	Q16513	436	ELEISV <b>Y</b> WRDWRS
5632	Q16513	635	PQSGLE <b>Y</b> SGIQEL
5633	Q16518	275	SLWGAN <b>Y</b> MDCFES
5634	Q16518	299	DKKRKK <b>Y</b> LNNKYR
5635	Q16518	431	KYCGKP <b>Y</b> TYAYGL
5636	Q16566	135	RIVEKG <b>Y</b> YSERDA
5637	Q16566	136	IVEKG <b>Y</b> YSERDAA
5638	Q16566	218	ILRGCA <b>Y</b> GPEVDM
5639	Q16581	174	NHNRCG <b>Y</b> KFGLSS
5640	Q16581	184	LSSSLD <b>Y</b> PDFYGD
5641	Q16581	318	QGFQD <b>Y</b> YNLGQFT
5642	Q16584	332	DCLAV A <b>Y</b> GVAVNK
5643	Q16584	591	MDEATW <b>Y</b> LDSDDS
5644	Q16623	134	VEVMSE <b>Y</b> NATQSD
5645	Q16623	235	MIDRIE <b>Y</b> NVEHAV
5646	Q16623	243	VEHAVD <b>Y</b> VERAVS
5647	Q16625	22	EFKPNH <b>Y</b> APSNDI
5648	Q16625	29	APSNDI <b>Y</b> GGEMHV
5649	Q16625	104	LGGSVG <b>Y</b> PYGGSG
5650	Q16625	106	GSVGYP <b>Y</b> GGSGFG
5651	Q16625	120	YGSYG <b>Y</b> GYGYGY
5652	Q16625	126	YGYGY <b>Y</b> GYGGYT
5653	Q16625	128	YGYGY <b>Y</b> GGYTDP
5654	Q16625	131	GYGYGG <b>Y</b> TDPRAA
5655	Q16625	171	MSRTRR <b>Y</b> YLSVII
5656	Q16625	172	SRTRR <b>Y</b> YLSVII
5657	Q16625	193	FIATIV <b>Y</b> IMGVNP
5658	Q16625	213	LYGSQI <b>Y</b> ALCNQF
5659	Q16625	228	PAATGL <b>Y</b> V DQYLY
5660	Q16625	232	GLYVDQ <b>Y</b> LYHYCV
5661	Q16625	234	YVDQYL <b>Y</b> HYCVVD
5662	Q16625	236	DQYLYH <b>Y</b> CVVDPQ
5663	Q16625	274	RRKMDR <b>Y</b> DKSNIL
5664	Q16625	287	WDKEHI <b>Y</b> DEQPPN
5665	Q16625	315	PSPPSD <b>Y</b> VERVDS
5666	Q16625	342	FYP ESS <b>Y</b> KSTPVP
5667	Q16625	443	DTGLQE <b>Y</b> KSLQSE
5668	Q16625	474	REESEE <b>Y</b> MAAADE
5669	Q16625	481	MAAADE <b>Y</b> NRLKQV
5670	Q16625	493	VKGSAD <b>Y</b> KSKKNH
5671	Q16637	43	TALIK A <b>Y</b> DKAVAS
5672	Q16637	130	VVVYTG <b>Y</b> GNREEQ
5673	Q16637	268	SMLISW <b>Y</b> MSGYHT

5674	Q16643	32	AADWAL <b>Y</b> TYEDGS
5675	Q16643	65	ENQKVM <b>Y</b> GFCSVK
5676	Q16643	597	TQASEG <b>Y</b> FSQSQE
5677	Q16655	10	EDAHFI <b>Y</b> GYPKKG
5678	Q16655	21	KGHGHS <b>Y</b> TTAE EA
5679	Q16655	104	PNAPPAY <b>E</b> EKLSAE
5680	Q16656	32	QVHVAT <b>Y</b> TEHSML
5681	Q16656	159	ENVVRK <b>Y</b> KSMILE
5682	Q16656	270	TIVKNC <b>Y</b> KQHGRE
5683	Q16658	23	INCGNK <b>Y</b> LTAEAF
5684	Q16658	152	SVTRKR <b>Y</b> AHLSAR
5685	Q16658	458	FFEFCD <b>Y</b> NKVAIK
5686	Q16659	110	VYIVQE <b>Y</b> METDLA
5687	Q16659	209	LLSPNN <b>Y</b> TKAIDM
5688	Q16659	589	AQLEAL <b>Y</b> QSSWDS
5689	Q16665	119	SDNVNK <b>Y</b> MGLTQF
5690	Q16665	340	CIVCVN <b>Y</b> VVSGII
5691	Q16665	659	SATSSP <b>Y</b> RD TQSR
5692	Q16666	43	LKMREE <b>Y</b> DKIQIA
5693	Q16666	645	NGFLEV <b>Y</b> PFTLVA
5694	Q16666	705	RGEFT <b>Y</b> EIQDNT
5695	Q16695	42	VKKPHR <b>Y</b> RP GTVA
5696	Q16695	55	LREIRR <b>Y</b> QKSTEL
5697	Q16695	100	QEACES <b>Y</b> LVGLFE
5698	Q16719	86	PKMVKT <b>Y</b> LEEELD
5699	Q16719	261	VGNVEL <b>Y</b> LHDWGV
5700	Q16719	376	YLIKH <b>Y</b> GKD KAA
5701	Q16773	15	RLDGID <b>Y</b> NPWVEF
5702	Q16773	63	DFMLN <b>Y</b> TKTFGY
5703	Q16773	338	IIPQGS <b>Y</b> FLITDI
5704	Q16790	143	DQSHWR <b>Y</b> GGDPPW
5705	Q16790	220	LGPGRE <b>Y</b> RALQLH
5706	Q16790	289	PEENSA <b>Y</b> EQLLSR
5707	Q16790	324	PSDFS <b>Y</b> R FQYEGS
5708	Q16790	327	FSRYF <b>Y</b> QEGSLTT
5709	Q16832	32	NPAICR <b>Y</b> PLGMSG
5710	Q16832	60	ESTA AK <b>Y</b> GRLDSE
5711	Q16832	118	IEFAPM <b>Y</b> KINYSR
5712	Q16832	122	PMYKIN <b>Y</b> SRDGTR
5713	Q16832	148	DGNSNP <b>Y</b> DIFLKD
5714	Q16832	194	LDGLVS <b>Y</b> NAPAGQ
5715	Q16832	211	PGGSII <b>Y</b> LNDSVY
5716	Q16832	217	YLND SV <b>Y</b> DGAVGY
5717	Q16832	248	FTQT <b>Y</b> THEYHVWPGY
5718	Q16832	254	YHVWPG <b>Y</b> DYVGWR
5719	Q16832	256	VWPGYD <b>Y</b> VGWRNE
5720	Q16832	268	ESATNG <b>Y</b> IEIMFE
5721	Q16832	305	FKEVQC <b>Y</b> FRSEAS
5722	Q16832	350	SAIKCQ <b>Y</b> HFADTW
5723	Q16832	371	QSDAAM <b>Y</b> NNSEAL
5724	Q16832	387	PMAPTT <b>Y</b> DPMLKV
5725	Q16832	481	FPLRPD <b>Y</b> QEPSRL
5726	Q16832	538	VTGGNT <b>Y</b> SVPAVT
5727	Q16832	656	LCMITE <b>Y</b> MENGDL
5728	Q16832	684	DVRTVS <b>Y</b> TNLKFM
5729	Q16832	700	IASGMK <b>Y</b> LSSLNF
5730	Q16832	722	CLVGKN <b>Y</b> TIKIAD
5731	Q16832	789	FCQEQP <b>Y</b> SQSLDE



5732	Q16832	825	ICPDSV <b>Y</b> KLMLSC
5733	Q16853	176	PVLFQ <b>EY</b> LDIDQM
5734	Q16853	270	VFYQGR <b>YY</b> DSLAAQ
5735	Q16853	708	GFFLR <b>PY</b> NFFDED
5736	Q16875	50	PARGKT <b>Y</b> ISKKLT
5737	Q16875	74	VFN <b>VGEY</b> RREAVK
5738	Q16875	237	IQSRIV <b>YY</b> LMNIH
5739	Q1KMD3	677	RAYGQ <b>QY</b> WGQPGN
5740	Q1KMD3	687	PGNRGG <b>Y</b> RNFYDR
5741	Q1KMD3	718	RDYYR <b>QY</b> NRDWQS
5742	Q24JP5	247	PADPP <b>QY</b> QEVPLD
5743	Q24JP5	373	VTWQLE <b>Y</b> PGQAPE
5744	Q24JP5	851	ELELGM <b>Y</b> ALLGVF
5745	Q2HXU8	150	PKMWQ <b>WY</b> QNSCYY
5746	Q2HXU8	155	WYQNSC <b>YY</b> FTTNE
5747	Q2HXU8	156	YQNSC <b>Y</b> FTTNEE
5748	Q2HXU8	244	GSKGC <b>AY</b> FQKGNI
5749	Q2HXU8	251	FQKGNI <b>Y</b> ISRCSA
5750	Q2M2Z5	56	CRVKLK <b>Y</b> VKLKNY
5751	Q2M2Z5	153	AMSRGL <b>Y</b> QPATIF
5752	Q2M2Z5	328	PIPVSE <b>Y</b> CESENK
5753	Q2NKX8	224	QEFVWD <b>Y</b> VILDEA
5754	Q2NKX8	529	FQQNKD <b>Y</b> SVFLLT
5755	Q2NKX8	678	SDHDL <b>MY</b> TCDLSV
5756	Q2PPJ7	959	RVFCYL <b>Y</b> ELWYKL
5757	Q2PPJ7	1246	LLPSAE <b>Y</b> SSVETD
5758	Q2PPJ7	1470	RDISG <b>KY</b> SWDGKV
5759	Q2TAY7	77	KTLIDL <b>Y</b> EQVVLE
5760	Q2TAY7	125	NLLARS <b>Y</b> FDPREA
5761	Q2TAY7	132	FDPRE <b>AY</b> PDGSSK
5762	Q2V2M9	178	LGQIML <b>Y</b> VDBGNG
5763	Q2V2M9	683	FMLDML <b>Y</b> AHNRKS
5764	Q2V2M9	992	ILNFDE <b>Y</b> ALNKEG
5765	Q3MHD2	8	AAPPGE <b>Y</b> FSVGSQ
5766	Q3MHD2	34	EVVAFD <b>Y</b> QSKMLA
5767	Q3MHD2	146	VVITPP <b>Y</b> QVENCK
5768	Q3SXM5	45	TVICDF <b>Y</b> SLIRLH
5769	Q3SXM5	133	SSGREI <b>Y</b> LPIREA
5770	Q3SXM5	234	FSRALQ <b>Y</b> EYASKG
5771	Q3V6T2	39	GTNLDE <b>Y</b> VALVDG
5772	Q3V6T2	332	ESEVSR <b>Y</b> KERLHD
5773	Q3V6T2	342	LHDIEF <b>Y</b> KARVEE
5774	Q4G163	93	DNIDKE <b>Y</b> LGKKEK
5775	Q4G163	503	ILTELK <b>Y</b> RNLKHI
5776	Q4G163	649	CQSPAK <b>Y</b> QPYKKR
5777	Q53EL6	131	GTPGQV <b>Y</b> DVEEVD
5778	Q53EL6	152	DQENCV <b>Y</b> ETVVLP
5779	Q53EL6	278	GILCNT <b>Y</b> IDSYKG
5780	Q53ET0	121	VSPLRR <b>Y</b> TRHIDS
5781	Q53ET0	130	HIDSSP <b>Y</b> SPAYLS
5782	Q53ET0	531	PGRQSH <b>Y</b> GTPYPP
5783	Q53EZ4	95	DQLKAR <b>Y</b> STTTLL
5784	Q53EZ4	187	NQQWL <b>VY</b> DQQREV
5785	Q53EZ4	228	KPESEG <b>Y</b> LQEEKQ
5786	Q53FA7	16	GGPENL <b>Y</b> VKEVAK
5787	Q53FA7	98	GGGQAQ <b>Y</b> VTVPEG
5788	Q53FA7	316	IQEAHK <b>Y</b> MEANKN
5789	Q53GL7	30	DELLTL <b>Y</b> FENRRR



5790	Q53GL7	914	GRNATV <b>Y</b> GKGVYF
5791	Q53GL7	932	LSVQDR <b>Y</b> SPPNAD
5792	Q53H47	192	TKSDSN <b>Y</b> IIAIRE
5793	Q53H47	214	TFVDPT <b>Y</b> IGNIGR
5794	Q53H47	661	SQSTDF <b>Y</b> ATGINQ
5795	Q53HL2	54	KEVDNL <b>Y</b> NIEILR
5796	Q53HL2	73	EMNWLD <b>Y</b> FALGGN
5797	Q53HL2	212	AAGERI <b>Y</b> NISGNG
5798	Q5FBB7	57	STLLKN <b>Y</b> QDNNKM
5799	Q5FBB7	91	LRKECY <b>Y</b> LTCQLY
5800	Q5FBB7	382	DDSDDL <b>Y</b> LPTCKY
5801	Q5FYB1	17	SLLSFG <b>Y</b> LSWDWA
5802	Q5FYB1	248	LQSPRE <b>Y</b> LYRYRT
5803	Q5FYB1	504	TAIPVR <b>Y</b> PAENPR
5804	Q5JRA6	312	ELDTEY <b>Y</b> AVGKED
5805	Q5JRA6	350	KSGVEK <b>Y</b> PTDKEQ
5806	Q5JRA6	1155	IYSFMF <b>Y</b> LTKSLV
5807	Q5JVF3	9	HITINQ <b>Y</b> LQQVYE
5808	Q5JVF3	204	SNLKDD <b>Y</b> STAQRV
5809	Q5JVF3	369	ILANLI <b>Y</b> MGHVKG
5810	Q5KSL6	237	KRWKLR <b>Y</b> FLVQGG
5811	Q5KSL6	246	VQGQKL <b>Y</b> FAHHPA
5812	Q5KSL6	313	IQQGEI <b>Y</b> KIPAAE
5813	Q5KSL6	331	VGMHCW <b>Y</b> SSYSHR
5814	Q5KSL6	334	HCWYSS <b>Y</b> SHRTQH
5815	Q5KSL6	422	HESCGS <b>Y</b> QRLQDF
5816	Q5KSL6	515	LRKFKQ <b>Y</b> LNPSQV
5817	Q5KSL6	664	KILKAK <b>Y</b> PTEMII
5818	Q5KSL6	711	LKSDLM <b>Y</b> DRLSVL
5819	Q5KSL6	737	EKSATE <b>Y</b> ADSSKA
5820	Q5KSL6	861	KCVMNN <b>Y</b> FGIGLD
5821	Q5KSL6	885	DEHPGQ <b>Y</b> NSRLKN
5822	Q5KSL6	895	LKNKMW <b>Y</b> GLLGTK
5823	Q5KSL6	908	ELLQRS <b>Y</b> RKLEER
5824	Q5KSL6	940	VLNITS <b>Y</b> AGGINF
5825	Q5KSL6	956	NTATTE <b>Y</b> EAPAI
5826	Q5KSL6	1026	GLIKIR <b>Y</b> KNAAQM
5827	Q5KSL6	1048	SMKMWE <b>Y</b> KHTEIQ
5828	Q5KSL6	1075	SLSDEE <b>Y</b> AQMQHL
5829	Q5KSL6	1121	ILNDIF <b>Y</b> GQDSGN
5830	Q5KSL6	1156	FSLKGL <b>Y</b> DDTTAF
5831	Q5SQ64	24	DNMQAI <b>Y</b> VALGEA
5832	Q5SQ64	89	LRLGN <b>Y</b> SLWLEG
5833	Q5SQ64	104	EEDAGR <b>Y</b> WCAVLG
5834	Q5SQ64	115	LGQHNN <b>Y</b> QNWRVY
5835	Q5SQ64	121	YQNWRV <b>Y</b> DVLVLK
5836	Q5T1C6	79	WKRLPS <b>Y</b> KRTPTE
5837	Q5T1C6	127	FEYVMF <b>Y</b> NDIEKR
5838	Q5T1C6	184	ANLNIN <b>Y</b> KRPIPL
5839	Q5TA31	175	KKALTD <b>Y</b> KKLRAF
5840	Q5TAQ9	335	EKKVGL <b>Y</b> TIYVNP
5841	Q5TAQ9	406	TELLAS <b>Y</b> NDEDIY
5842	Q5TAQ9	424	HSDGAQ <b>Y</b> VKRYKG
5843	Q5VT25	151	QDDNNL <b>Y</b> LVMDYY
5844	Q5VT25	259	EDGKGR <b>Y</b> GPECDW
5845	Q5VT25	655	REQSEH <b>Y</b> SKQLEN
5846	Q5VTD9	102	SDSPPF <b>Y</b> KPSFSW
5847	Q5VTD9	115	DTLATT <b>Y</b> GHSYRQ

5848	Q5VTD9	138	EHSVSL <b>Y</b> GSPLVP
5849	Q5VWQ8	17	TGRSSY <b>Y</b> YRLLRR
5850	Q5VWQ8	290	KKERNS <b>Y</b> LGLVSL
5851	Q5VWQ8	425	TKAIEE <b>Y</b> LKLVGQ
5852	Q5VWZ2	58	QHIKII <b>Y</b> PTAPPR
5853	Q5VWZ2	158	NKASAV <b>Y</b> QALQKS
5854	Q5VWZ2	210	HSFPNV <b>Y</b> HELST
5855	Q5VY43	72	PQPTVV <b>Y</b> RTVYRQ
5856	Q5VY43	76	VVYRTV <b>Y</b> RQVVKT
5857	Q5VY43	95	QCCHGF <b>Y</b> ESRGFC
5858	Q5VY43	182	QPCTPG <b>Y</b> YGPAQ
5859	Q5VY43	183	PCTPG <b>Y</b> YGPAQF
5860	Q5VY43	297	CRCAPG <b>Y</b> TGDRCR
5861	Q5VY43	355	LCPDGF <b>Y</b> GLSCQA
5862	Q5VY43	429	CQCAPG <b>Y</b> TGPHCA
5863	Q5VY43	443	LCPPDT <b>Y</b> GVNCSA
5864	Q5VY43	615	SCQPGR <b>Y</b> GKRCVP
5865	Q5VY43	778	VALFIG <b>Y</b> RHWQKG
5866	Q5VY43	794	HHLAV <b>Y</b> SSGRLD
5867	Q5VY43	804	RLDGSE <b>Y</b> VMPDVP
5868	Q5VY43	813	PDVPPS <b>Y</b> SHYYSN
5869	Q5VY43	816	PPSYSH <b>Y</b> SNPSY
5870	Q5VY43	817	PSYSH <b>Y</b> SNPSYH
5871	Q5VY43	890	SRLDRS <b>Y</b> SYSYSN
5872	Q5VY43	892	LDRSYS <b>Y</b> SYSNGP
5873	Q5VY43	894	RSYSYS <b>Y</b> SNGPGP
5874	Q5VY43	902	NGPGPF <b>Y</b> NKGLIS
5875	Q5VY43	943	GPRESS <b>Y</b> MEMKGP
5876	Q5VY43	979	QRDSGT <b>Y</b> EQPSPL
5877	Q5VY43	1007	GLPPGH <b>Y</b> DSPKNS
5878	Q5VY43	1019	SHIPGH <b>Y</b> DLPPVR
5879	Q5XUX0	286	YDNCLT <b>Y</b> RRIYLP
5880	Q5XUX0	459	SSRNED <b>Y</b> PRTCRM
5881	Q5XUX0	468	TCRMCF <b>Y</b> GTGLIA
5882	Q684P5	85	QKNKDD <b>Y</b> IPYPSI
5883	Q684P5	157	KGEAR <b>Y</b> RRHFLG
5884	Q684P5	241	RFPNVL <b>Y</b> PKASQM
5885	Q69YN4	325	PNFDVE <b>Y</b> TAEDLA
5886	Q69YN4	669	PERDDP <b>Y</b> PVLFYR
5887	Q69YN4	725	LFFMSE <b>Y</b> EATNLL
5888	Q6AI12	133	PAFPFI <b>Y</b> TPTAED
5889	Q6AI12	238	EPQNGT <b>Y</b> AGPAPA
5890	Q6AI12	359	LTERPC <b>Y</b> NRRASK
5891	Q6B0I6	131	YWKNRI <b>Y</b> NSPIYG
5892	Q6B0I6	136	IYNSPI <b>Y</b> GADISG
5893	Q6B0I6	333	ILQPER <b>Y</b> DLWKRG
5894	Q6DN03	38	RSRKES <b>Y</b> SIYVYK
5895	Q6DN03	41	KESYSI <b>Y</b> VYKVLK
5896	Q6DN03	43	SYSIYV <b>Y</b> KVLKRV
5897	Q6DN72	21	GKTVWL <b>Y</b> LQAWPN
5898	Q6DN72	53	LSQVKF <b>Y</b> RDGKFL
5899	Q6DN72	81	VQSRGQ <b>Y</b> SCSGQV
5900	Q6DN72	89	CSGQVM <b>Y</b> IPQTFT
5901	Q6DN72	178	EGDGL <b>Y</b> WCEVAP
5902	Q6DN72	239	GSPPIL <b>Y</b> SFYLDE
5903	Q6DN72	242	PILYSF <b>Y</b> LDEKIV
5904	Q6DN72	274	EQDAGN <b>Y</b> SCEAEN
5905	Q6DN72	329	AAALLV <b>Y</b> VRSWRK

5906	Q6DN72	356	GEQCPL <b>Y</b> ANVHHQ
5907	Q6GTx8	68	RESRST <b>Y</b> NDTEDV
5908	Q6GTx8	99	EGNAGP <b>Y</b> RCIYYK
5909	Q6GTx8	103	GPYRCI <b>Y</b> YKPPKW
5910	Q6GTx8	104	PYRCI <b>Y</b> YKPPKWS
5911	Q6GTx8	115	WSEQSD <b>Y</b> LELLVK
5912	Q6GTx8	165	LKAEHL <b>Y</b> ILIGVS
5913	Q6JBY9	156	GSHLPC <b>Y</b> NKVRTR
5914	Q6NXS1	56	INILAT <b>Y</b> H PADKG
5915	Q6NXS1	63	HPADKG <b>Y</b> GLMKID
5916	Q6NXS1	114	EGLEPK <b>Y</b> RIQEQE
5917	Q6NZI2	156	NFKVMI <b>Y</b> QDEVKL
5918	Q6NZI2	308	TPDHVV <b>Y</b> ARSKTA
5919	Q6NZI2	316	RSKTAV <b>Y</b> KVPPFT
5920	Q6P1J9	54	EGQPRE <b>Y</b> YTLDSI
5921	Q6P1J9	315	IDTMGT <b>Y</b> HGMTLK
5922	Q6P1J9	425	ISVTV <b>Y</b> RVVDQP
5923	Q6P1N0	359	EQRMER <b>Y</b> QVAAAQ
5924	Q6P1N0	576	QEAARR <b>Y</b> GELTKL
5925	Q6P1N0	880	PEVAQQ <b>Y</b> QDIMQR
5926	Q6P2Q9	256	VDDNY <b>Y</b> FLFDLKA
5927	Q6P2Q9	312	QPIRTE <b>Y</b> KIAFPY
5928	Q6P2Q9	1178	NSFVSV <b>Y</b> SKDNPN
5929	Q6P5Z2	517	PKPPRL <b>Y</b> LPQEPT
5930	Q6P5Z2	664	EPQARF <b>Y</b> VACVVL
5931	Q6P5Z2	847	GPADLR <b>Y</b> FEGET
5932	Q6P988	297	IRRGIR <b>Y</b> WNGVVP
5933	Q6P988	325	FFGYKV <b>Y</b> PTLRCP
5934	Q6P988	363	QEGLRL <b>Y</b> IQNLGR
5935	Q6PCB0	48	SASVSH <b>Y</b> EFSRVR
5936	Q6PCB0	119	TGLALV <b>Y</b> AKEQLF
5937	Q6PCB0	242	LTADSG <b>Y</b> YVLELV
5938	Q6PCB0	243	TADSG <b>Y</b> YVLELVP
5939	Q6PCB0	279	LDPD <b>Y</b> TDVALVP
5940	Q6PCB0	364	SAAALG <b>Y</b> HVQFGP
5941	Q6PCB0	399	LAPGT <b>Y</b> LVTVTA
5942	Q6PCD5	181	RAPLD <b>Y</b> AFQVSRT
5943	Q6PCD5	196	DLPATT <b>Y</b> DSETRN
5944	Q6PCD5	556	DEANYI <b>Y</b> AGLANG
5945	Q6PHR2	25	RLGSGT <b>Y</b> ATVYKA
5946	Q6PHR2	88	WSDNI <b>Y</b> LIMEFC
5947	Q6PHR2	190	MVCQR <b>Y</b> QDARVDL
5948	Q6PKG0	379	GPRTPK <b>Y</b> MNNITY
5949	Q6PKG0	406	QELLKD <b>Y</b> IKRQIE
5950	Q6PKG0	511	FVPRQH <b>Y</b> QKETES
5951	Q6Q788	30	RKGFWD <b>Y</b> FSQTS
5952	Q6Q788	194	KELFHP <b>Y</b> AESLVS
5953	Q6Q788	293	AFRQDT <b>Y</b> LQIAAF
5954	Q6R327	257	ERILAP <b>Y</b> TDHFYR
5955	Q6R327	970	IRGTCV <b>Y</b> VLGLIA
5956	Q6R327	1321	ADCNFS <b>Y</b> TSSRDA
5957	Q6S5L8	15	LAGLV <b>Y</b> VGLFGH
5958	Q6S5L8	30	MLHRAK <b>Y</b> SRFRNE
5959	Q6S5L8	192	LGMGMN <b>Y</b> CVRYMG
5960	Q6S5L8	196	MNYCVR <b>Y</b> MGCVEV
5961	Q6S5L8	303	DPD <b>Y</b> TTDVAYVAK
5962	Q6S5L8	306	TTDYV <b>Y</b> AVAKDPV
5963	Q6S5L8	345	ELRFK <b>Y</b> QLKNPSL

5964	Q6S5L8	374	EREDHE <b>Y</b> NEIPG
5965	Q6S5L8	375	REDHE <b>Y</b> NEIPGK
5966	Q6S5L8	403	ATEQMA <b>Y</b> CPIQCE
5967	Q6S5L8	413	QCEKLC <b>Y</b> LPGNSK
5968	Q6S5L8	465	LFDDPC <b>Y</b> INTQAL
5969	Q6S5L8	527	LWSEEC <b>Y</b> HGKLSR
5970	Q6S5L8	558	ATSPGQ <b>Y</b> VLSGLQ
5971	Q6S5L8	596	VGHLIR <b>Y</b> HMDNSL
5972	Q6TGC4	103	DKVSVT <b>Y</b> YGPNE
5973	Q6TGC4	318	QVPLEV <b>Y</b> LCRELQ
5974	Q6TGC4	472	QAPVEL <b>Y</b> SDWLMT
5975	Q6U736	53	STFGNG <b>Y</b> VLYMSS
5976	Q6U736	56	GNGYVL <b>Y</b> MSSRRK
5977	Q6U736	174	LVGLGD <b>Y</b> VPEPFG
5978	Q6UUV9	60	GPSRGQ <b>Y</b> YGGSLP
5979	Q6UUV9	133	QADSCP <b>Y</b> GTMYLS
5980	Q6UUV9	552	DSQQLG <b>Y</b> ASHSGI
5981	Q6UWZ7	154	RLEHSL <b>Y</b> KPQKGL
5982	Q6UWZ7	179	MSEQLG <b>Y</b> KTVSGS
5983	Q6UWZ7	219	HKINEM <b>Y</b> ASLQEE
5984	Q6WN34	49	GESWHP <b>Y</b> LEPQGL
5985	Q6WN34	149	CTEGQI <b>Y</b> CGLTTC
5986	Q6WN34	298	VTCPT <b>Y</b> PCRHPE
5987	Q6ZMU5	215	LGSLNS <b>Y</b> LEQLRQ
5988	Q6ZMU5	346	LSEGEH <b>Y</b> WEVDVG
5989	Q6ZMU5	416	PTRIGL <b>Y</b> LSFGDG
5990	Q6ZN04	55	DEGASL <b>Y</b> DSEPRK
5991	Q6ZN04	342	NGNGYT <b>Y</b> TAGGEA
5992	Q6ZN04	474	GLAYAA <b>Y</b> ANGLGA
5993	Q6ZSY5	54	LAQLRR <b>Y</b> RPWGGP
5994	Q6ZSY5	114	PAGGGF <b>Y</b> LVPTFS
5995	Q6ZSY5	492	QELEQL <b>Y</b> LSHLR
5996	Q6ZUJ8	16	CDILIV <b>Y</b> SPDAEE
5997	Q6ZUJ8	26	AEWCQ <b>Y</b> LQTLFL
5998	Q6ZUJ8	133	DDEPET <b>Y</b> VAAVKK
5999	Q6ZUJ8	163	DEKVVS <b>Y</b> SKQQNL
6000	Q6ZUJ8	195	GAETTV <b>Y</b> VIVRCK
6001	Q6ZUJ8	230	AKVENE <b>Y</b> TISVKA
6002	Q6ZUJ8	249	NVSLKI <b>Y</b> SGDLVV
6003	Q6ZUJ8	262	CETVIS <b>Y</b> YTDME
6004	Q6ZUJ8	292	AFKIVP <b>Y</b> NTETLD
6005	Q6ZUJ8	346	LHFAAK <b>Y</b> GLKNLT
6006	Q6ZUJ8	365	PGALQA <b>Y</b> SVANKH
6007	Q6ZUJ8	374	ANKHGH <b>Y</b> PNTIAE
6008	Q6ZUJ8	394	RQFIDE <b>Y</b> VETVDM
6009	Q70E73	67	NMANFS <b>Y</b> RFSIYN
6010	Q70E73	72	SYRFSI <b>Y</b> NLNEAL
6011	Q70E73	151	KPSHAS <b>Y</b> SLDDVT
6012	Q70E73	308	DKSHCG <b>Y</b> SLDWSL
6013	Q70E73	357	MERIEK <b>Y</b> ALFKNP
6014	Q70E73	366	FKNPQN <b>Y</b> LLGKKE
6015	Q70E73	417	KSWKKR <b>Y</b> FLLRAS
6016	Q70E73	427	RASGI <b>Y</b> VPKGKA
6017	Q70E73	451	LDHVN <b>Y</b> YQGQDYR
6018	Q70E73	452	DHVN <b>Y</b> YQGQDYRN
6019	Q70E73	460	QDYRN <b>Y</b> KAPTDY
6020	Q70E73	466	YKAPTD <b>Y</b> CLVLKH
6021	Q70E73	481	IQKKSQ <b>Y</b> IKYLCC

6022	Q70E73	484	KSQYIK <b>Y</b> LCCDDV
6023	Q70E73	505	GIRIAK <b>Y</b> GKQLYM
6024	Q70E73	510	KYGKQL <b>Y</b> MNYQEA
6025	Q70E73	513	KQLYMN <b>Y</b> QEALKR
6026	Q70E73	524	KRTESA <b>Y</b> DWTSLS
6027	Q70E73	602	ESMNR <b>PY</b> TSLVPP
6028	Q70E73	619	PKIVTP <b>Y</b> TASQPS
6029	Q70E73	667	APMFVK <b>Y</b> STITRL
6030	Q70E73	823	PAFPAS <b>Y</b> IPPSPP
6031	Q70E73	1218	DQQKAG <b>Y</b> GGSHIS
6032	Q712K3	39	VDESDL <b>Y</b> NWEVAI
6033	Q712K3	161	KGKDKE <b>Y</b> AEIIRK
6034	Q712K3	228	EEDADC <b>Y</b> DDDDSG
6035	Q71F23	341	KQLQTK <b>Y</b> DELKER
6036	Q71F23	356	SLRNA <b>Y</b> FLSNLK
6037	Q71F23	382	PNVKET <b>Y</b> DSSSLP
6038	Q71RC2	425	GHQEQT <b>Y</b> LQKETS
6039	Q71RC2	441	VEQNGD <b>Y</b> GRGRRT
6040	Q71RC2	619	EPRKLS <b>Y</b> AEVCQK
6041	Q7KZF4	365	KLNSGD <b>Y</b> KTIHLS
6042	Q7KZF4	543	GSRLKL <b>Y</b> LPKETC
6043	Q7KZF4	895	RLNLWR <b>Y</b> GDFRAD
6044	Q7L2H7	139	SCGAIQ <b>Y</b> IPTELD
6045	Q7L2H7	169	TLLRLL <b>Y</b> EALVDC
6046	Q7L2H7	192	VELLGS <b>Y</b> TEDNAS
6047	Q7L5D6	46	YEAHQ <b>M</b> YRTLFFR
6048	Q7L5D6	159	LWKEQ <b>N</b> YCESRYH
6049	Q7L5D6	294	PKQTSS <b>Y</b> GGLLGN
6050	Q7L5Y1	34	MHTDPD <b>Y</b> SAAYVV
6051	Q7L5Y1	92	GDFRGF <b>Y</b> RQLTSD
6052	Q7L5Y1	154	SCIDFR <b>Y</b> ITDVL
6053	Q7L804	80	QGSPEK <b>Y</b> ILFLIV
6054	Q7L804	402	RQDYFD <b>Y</b> ESTNPF
6055	Q7L804	448	FDATAG <b>Y</b> RSLTYE
6056	Q7RTN6	69	LPEGGC <b>Y</b> ELLTVI
6057	Q7RTN6	133	HPNIV <b>P</b> YRATFIA
6058	Q7RTN6	256	QQNLQ <b>G</b> YDAKSDI
6059	Q7Z406	148	CVVIN <b>P</b> YKQLPIY
6060	Q7Z406	154	YKQLPI <b>Y</b> TEAIVE
6061	Q7Z406	599	DFSVLH <b>Y</b> AGKVDY
6062	Q7Z417	37	HHHHH <b>Y</b> YFYNHSH
6063	Q7Z417	94	PKKKT <b>G</b> YGELNGN
6064	Q7Z417	428	GTDGNV <b>Y</b> PPGGQP
6065	Q7Z4W1	149	VTNHSV <b>Y</b> CSTKGA
6066	Q7Z5L9	17	SRRQSC <b>Y</b> LCDLPR
6067	Q7Z5L9	117	PQALER <b>Y</b> PLAAAA
6068	Q7Z5L9	548	GASGEV <b>Y</b> CPSGEK
6069	Q7Z6J0	253	GIFPIS <b>Y</b> VEFN
6070	Q7Z6J0	500	GVFPGN <b>Y</b> VAPVTR
6071	Q7Z6J0	840	HRVVVS <b>Y</b> PPQSEA
6072	Q86T82	587	QVIIPR <b>Y</b> LTLSH
6073	Q86T82	907	TSSSGH <b>Y</b> ISDVYD
6074	Q86T82	948	SGYIFF <b>Y</b> MHKEIF
6075	Q86U42	175	ADARSI <b>Y</b> VGNVDY
6076	Q86U42	266	GFPRAR <b>Y</b> RARTTN
6077	Q86U42	281	SSRSR <b>F</b> YSGFN
6078	Q86UC2	113	NPCPWH <b>Y</b> LHL
6079	Q86UC2	158	SRAPST <b>Y</b> TYTSRP

6080	Q86UC2	174	PCQRSR <b>Y</b> RDSL	TQ
6081	Q86UP2	503	WEEVQS <b>Y</b> IRKRTA	
6082	Q86UP2	1091	VPSNLS <b>Y</b> GEWLHG	
6083	Q86UP2	1245	KKLDDS <b>Y</b> SEAVRQ	
6084	Q86UQ8	16	LKSLNG <b>Y</b> KNLSSG	
6085	Q86UQ8	71	SVTDLT <b>Y</b> WGPAGH	
6086	Q86UR1	265	RCTSTAY <b>Y</b> QEQRPQ	
6087	Q86UR1	356	QLGQLS <b>Y</b> LAPGED	
6088	Q86UR1	410	VVAQHS <b>Y</b> SAQGPE	
6089	Q86V48	477	PSVLSR <b>Y</b> PPAAQE	
6090	Q86V48	799	TSSITI <b>Y</b> PSDSSS	
6091	Q86V48	1036	DCTLSV <b>Y</b> RQLHNS	
6092	Q86V81	77	RNR PAP <b>Y</b> SRPKQL	
6093	Q86V81	139	KKAAVH <b>Y</b> DRSGRS	
6094	Q86V81	166	LKAMKQ <b>Y</b> NGVPLD	
6095	Q86VP1	26	QNVAKS <b>Y</b> LPNAHL	
6096	Q86VP1	283	KDEKEL <b>Y</b> KVHLKN	
6097	Q86VP1	768	EQFPDP <b>Y</b> DQQVFE	
6098	Q86W56	357	IEFRKR <b>Y</b> STKGGE	
6099	Q86W56	521	CSEQNL <b>Y</b> PVEDEN	
6100	Q86W56	832	ALHFRR <b>Y</b> LDQFVP	
6101	Q86WB0	105	PLVCAK <b>Y</b> GWVTVE	
6102	Q86WB0	137	AFDFDR <b>Y</b> KQRCAE	
6103	Q86WR7	53	DDESLK <b>Y</b> LTHEEK	
6104	Q86WV6	107	LSIYFY <b>Y</b> SLPNAV	
6105	Q86WV6	164	GLAWSY <b>Y</b> IGYLRL	
6106	Q86WV6	245	VYSNSI <b>Y</b> ELLENG	
6107	Q86X55	72	SAGIAL <b>Y</b> SHEDVC	
6108	Q86X55	334	GAAVDE <b>Y</b> FRQPVV	
6109	Q86X55	416	EPLTHW <b>Y</b> QVRCLF	
6110	Q86XR7	29	VDTSPG <b>Y</b> HESDSK	
6111	Q86XR7	154	WCNFQF <b>Y</b> TSLMNS	
6112	Q86XR7	215	IFQESV <b>Y</b> KTQQT I	
6113	Q86YS7	222	GNAVVG <b>Y</b> LQCFDL	
6114	Q86YS7	469	GFCHIP <b>Y</b> DELNMP	
6115	Q86YS7	585	ASATGV <b>Y</b> LAALPT	
6116	Q8IU85	88	VALEDI <b>Y</b> ESPNHL	
6117	Q8IU85	134	VLDVAY <b>Y</b> LHRMGI	
6118	Q8IU85	244	YEFDSP <b>Y</b> WDDISD	
6119	Q8IUR7	162	LLSRSR <b>Y</b> TQEYIC	
6120	Q8IUR7	166	SRYTQE <b>Y</b> ICQIFS	
6121	Q8IUR7	331	IAMLAD <b>Y</b> FKYPSS	
6122	Q8IVP5	11	NPP PQD <b>Y</b> ESDDDS	
6123	Q8IVP5	26	VLDLTE <b>Y</b> ARRHQW	
6124	Q8IVP5	48	GPMVEK <b>Y</b> SVATQI	
6125	Q8IVP5	94	IASHSG <b>Y</b> VQIDWK	
6126	Q8IVT2	31	GDTSYT <b>Y</b> HLVCMG	
6127	Q8IVT2	68	QRQGV <b>Y</b> SVHAYT	
6128	Q8IVT2	638	RKKEQW <b>Y</b> AGINPS	
6129	Q8IW19	96	SLLVDK <b>Y</b> IFRILS	
6130	Q8IW19	438	PQHKIE <b>Y</b> RHNTLP	
6131	Q8IW19	462	VGQPNE <b>Y</b> DLNDSF	
6132	Q8IW41	188	TPQFT <b>Y</b> PYVAPQV	
6133	Q8IW41	189	PQFT <b>Y</b> PYVAPQVL	
6134	Q8IW41	218	SPTPYT <b>Y</b> NKSCDL	
6135	Q8IWL1	184	VKKYNT <b>Y</b> AYVGLT	
6136	Q8IWL1	186	KYNTYA <b>Y</b> VGLTEG	
6137	Q8IWL1	200	SPGDFR <b>Y</b> SDGTPV	



6138	Q8IWT6	285	ICYTVY <b>Y</b> VHNIKF
6139	Q8IWT6	362	IREESS <b>Y</b> SDIPDV
6140	Q8IWT6	653	WYNHIA <b>Y</b> IPIQIG
6141	Q8IX03	114	SAQKEI <b>Y</b> QVKQQR
6142	Q8IX03	155	SSSSSK <b>Y</b> DPEILK
6143	Q8IX03	209	SDAQGS <b>Y</b> KLDEAQ
6144	Q8IXJ6	70	LEGVAR <b>Y</b> MQSERC
6145	Q8IXJ6	123	AIFEIS <b>Y</b> FKKHPE
6146	Q8IXJ6	191	EAHGTF <b>Y</b> TSHCVS
6147	Q8IY84	16	GLVNP <b>Y</b> ARWDRR
6148	Q8IY84	137	PNIIRL <b>Y</b> EVVETL
6149	Q8IY84	204	KAENVF <b>Y</b> TSNTCV
6150	Q8IYA6	22	QRKLQ <b>Y</b> LAAGK
6151	Q8IYA6	37	SQNTKP <b>Y</b> LKSKNN
6152	Q8IYA6	113	CVSSNP <b>Y</b> SKPSSK
6153	Q8IYA6	214	KPKTDS <b>Y</b> NQTKNS
6154	Q8IYA6	310	KVNR <b>SQY</b> ERPNET
6155	Q8IYA6	321	ETKIRS <b>Y</b> PVTEQR
6156	Q8IYA6	336	HTKPRT <b>Y</b> PSLLQG
6157	Q8IYA6	344	SLLQGE <b>Y</b> NNRHPN
6158	Q8IYA6	479	KSKGKT <b>Y</b> KRPPME
6159	Q8IYA6	577	FDVIGL <b>Y</b> EEAIKN
6160	Q8IYA6	659	KAEQHN <b>Y</b> PGIKLQ
6161	Q8IYA6	700	ERAVSR <b>Y</b> PEMLQE
6162	Q8IYB3	309	RSRSRS <b>Y</b> SPRRRP
6163	Q8IYB3	596	SPSPRR <b>Y</b> SPPIQR
6164	Q8IYB3	604	PPIQRR <b>Y</b> SPSPPP
6165	Q8IZP0	23	RALIES <b>Y</b> QNLTRV
6166	Q8IZP0	32	LTRVAD <b>Y</b> CENNYI
6167	Q8IZP0	37	DYCENN <b>Y</b> IQATDK
6168	Q8IZP0	63	SLASVA <b>Y</b> QINALA
6169	Q8IZP0	136	MERPVR <b>Y</b> IRKPID
6170	Q8IZP0	143	IRKPID <b>Y</b> TVLDDV
6171	Q8IZP0	198	LGRNTP <b>Y</b> KTLEPV
6172	Q8IZP0	311	SAPGSQ <b>Y</b> GTMTRO
6173	Q8IZP0	333	STSSGG <b>Y</b> RRTPSV
6174	Q8IZP0	355	VNGGPL <b>Y</b> SQNSIS
6175	Q8IZP0	421	PPPPVD <b>Y</b> EDEEAA
6176	Q8IZP0	431	EAAVVQ <b>Y</b> NDPYAD
6177	Q8IZP0	435	VQYNDP <b>Y</b> ADGDPA
6178	Q8IZP0	447	AWAPKN <b>Y</b> IEKVVA
6179	Q8IZP0	457	VVAIYD <b>Y</b> TKDKDD
6180	Q8IZP0	474	MEGAI <b>Y</b> VIKKND
6181	Q8IZP0	484	KNDDGW <b>Y</b> EGVCNR
6182	Q8IZP0	499	GLFPGN <b>Y</b> VESIMH
6183	Q8IZS5	89	EPKGNE <b>Y</b> GRNYFD
6184	Q8IZS5	93	NEYGRN <b>Y</b> FDPLMD
6185	Q8IZS5	121	DDDRIF <b>Y</b> NRLTKL
6186	Q8N122	174	NKNYTQ <b>Y</b> IPLSIY
6187	Q8N122	793	MRRASS <b>Y</b> SSLNSL
6188	Q8N122	1280	NQFTAI <b>Y</b> NSSGEL
6189	Q8N163	425	LQTVVV <b>Y</b> LDPVWT
6190	Q8N163	554	LQRDFG <b>Y</b> RVYKML
6191	Q8N163	761	QYRSLQ <b>Y</b> SRQEG
6192	Q8N1G4	54	TLPL <b>LY</b> LEVSGC
6193	Q8N1G4	389	VKGPLL <b>Y</b> CARPPQ
6194	Q8N1G4	448	LDGNEN <b>Y</b> PCLVDA
6195	Q8N264	49	LKGDQL <b>Y</b> YFKDED



6196	Q8N264	214	ASLLKL <b>Y</b> LRELPE
6197	Q8N264	607	LSHPRD <b>Y</b> ESKSDH
6198	Q8N2E6	101	TGTGKS <b>Y</b> VSSLLA
6199	Q8N2E6	109	SSLLAH <b>Y</b> LFQGGL
6200	Q8N2E6	185	GSSWVV <b>Y</b> GTNYRK
6201	Q8N4F0	36	NKAALS <b>Y</b> VSEIGK
6202	Q8N4F0	217	PTVTSD <b>Y</b> ISLEVN
6203	Q8N4F0	436	GVVNLH <b>Y</b> VAPEIF
6204	Q8N4N8	311	TGSGKT <b>Y</b> TMGGDF
6205	Q8N4N8	360	GTFFEI <b>Y</b> GGKVYD
6206	Q8N4N8	365	IYGGKV <b>Y</b> DLLNWK
6207	Q8N5C8	58	KYLYME <b>Y</b> HSPDDN
6208	Q8N5C8	340	QQGPPS <b>Y</b> QKQGS
6209	Q8N5C8	501	EKGSHK <b>Y</b> QRSSSS
6210	Q8N5Z0	195	NTPKFL <b>Y</b> TPVNGN
6211	Q8N5Z0	326	DRVIDF <b>Y</b> SNQKDA
6212	Q8N5Z0	397	SSAPSP <b>Y</b> LRSFSS
6213	Q8NB16	218	NEVSTL <b>Y</b> KGEYHR
6214	Q8NB16	222	TLYKGE <b>Y</b> HRAVPA
6215	Q8NB16	343	FLVTQ <b>Y</b> QVKLAG
6216	Q8NBJ4	32	IVLGFN <b>Y</b> WIASRR
6217	Q8NBJ4	154	LERKFS <b>Y</b> DLSQCI
6218	Q8NBJ4	351	LRGEDD <b>Y</b> NMDENE
6219	Q8NBP7	38	EDEDGD <b>Y</b> EELVLA
6220	Q8NBP7	142	KLPHVD <b>Y</b> IEEDSS
6221	Q8NBP7	183	GSLVEV <b>Y</b> LLDTSI
6222	Q8NBX0	165	ADLGVI <b>Y</b> TRNKMN
6223	Q8NBX0	262	VRRTQR <b>Y</b> LYENLE
6224	Q8NBX0	274	EESPVQ <b>Y</b> AAYVTV
6225	Q8NCD3	389	KYSSLI <b>Y</b> FDSSAT
6226	Q8NCD3	445	DQLHRE <b>Y</b> CLSPRN
6227	Q8NCD3	618	ASMEVR <b>Y</b> QTEGFL
6228	Q8ND76	26	HSRLES <b>Y</b> RPDIDL
6229	Q8ND76	128	CVALAI <b>Y</b> YHIKNR
6230	Q8ND76	275	SVYAK <b>Y</b> YFDLRL
6231	Q8NDC0	72	PAPTGM <b>Y</b> PSVPPT
6232	Q8NDC0	116	PGPTGP <b>Y</b> PTPNMP
6233	Q8NDC0	130	PELPRP <b>Y</b> GAPDTP
6234	Q8NE71	529	AQRLHY <b>Y</b> RGNYMT
6235	Q8NE71	540	MTFKKM <b>Y</b> QQKQKE
6236	Q8NE71	827	DGDFED <b>Y</b> KREVLE
6237	Q8NFW8	237	QGGKMA <b>Y</b> YEMRAE
6238	Q8NFW8	238	GGKMAY <b>Y</b> EMRAEH
6239	Q8NFW8	266	RVLRYG <b>Y</b> FGKEKL
6240	Q8NG66	20	STAIST <b>Y</b> PKTLIA
6241	Q8NG66	110	FCIITE <b>Y</b> CEGRDL
6242	Q8NG66	588	EVFEEV <b>Y</b> NYLKRA
6243	Q8NHV4	127	QVTCVT <b>Y</b> NWNDCY
6244	Q8NHV4	133	YNWNDC <b>Y</b> IASGSL
6245	Q8NHV4	301	QCIAFQ <b>Y</b> STVLTK
6246	Q8NHW3	122	LYWMSG <b>Y</b> QHHLNP
6247	Q8NHW3	310	AKERDL <b>Y</b> KEYYEK
6248	Q8NHW3	314	DLYKEK <b>Y</b> EKLAGR
6249	Q8TAE6	76	GKVTVK <b>Y</b> DRKELR
6250	Q8TAE6	99	EQLGQL <b>Y</b> GCEEEE
6251	Q8TAE6	137	EALVDC <b>Y</b> KPTEEF
6252	Q8TAP9	45	PSPRDG <b>Y</b> GSPHHT
6253	Q8TAP9	54	PHHTPP <b>Y</b> GPRSRP

6254	Q8TAP9	103	SQQQFG <b>Y</b> SPGQQQ
6255	Q8TB45	140	MRGQRL <b>Y</b> EKLMSF
6256	Q8TB45	215	VDSNLL <b>Y</b> QFRMNF
6257	Q8TB45	385	NVLHVD <b>Y</b> RTVSNL
6258	Q8TCT0	283	NSTLLR <b>Y</b> SVSLLG
6259	Q8TCT0	325	FLSHHC <b>Y</b> EGTVSF
6260	Q8TCT0	453	FTFVEV <b>Y</b> RVKKFQ
6261	Q8TD08	13	PRIVRR <b>Y</b> LLRRQL
6262	Q8TD08	24	QLGQGA <b>Y</b> GIVWKA
6263	Q8TD08	89	ENDRDI <b>Y</b> LVFEFM
6264	Q8TD08	119	HVRSIF <b>Y</b> QLLRAT
6265	Q8TD08	183	YVATRW <b>Y</b> RAPEVL
6266	Q8TD08	195	LLSSHR <b>Y</b> TLGVDM
6267	Q8TD08	303	QALQHP <b>Y</b> VQRFHC
6268	Q8TD08	335	QLSVPE <b>Y</b> RSRVYQ
6269	Q8TD08	340	EYRSRV <b>Y</b> QMILEC
6270	Q8TD08	521	RALLGG <b>Y</b> SQAYGT
6271	Q8TD08	525	GGYSQA <b>Y</b> GTVCHS
6272	Q8TD30	150	GNSLGS <b>Y</b> SASQGV
6273	Q8TD30	321	SFKKVL <b>Y</b> EMGPEY
6274	Q8TD30	353	CGYRGG <b>Y</b> MEVINL
6275	Q8TDC3	100	LKLHDV <b>Y</b> ENKKYL
6276	Q8TDC3	196	SCGSPH <b>Y</b> ACPEVI
6277	Q8TDC3	207	VIKGEK <b>Y</b> DGRRAD
6278	Q8TEP8	446	GVSRLT <b>Y</b> VSEPES
6279	Q8TEP8	1388	TELSTV <b>Y</b> LFGGDE
6280	Q8TEP8	1887	SPREPF <b>Y</b> VKHSKY
6281	Q8TEW0	199	RKKDEN <b>Y</b> RS�PRD
6282	Q8TEW0	719	RISHSL <b>Y</b> SGIEGL
6283	Q8TEW0	1310	SEGPSN <b>Y</b> DSYKKV
6284	Q8TEX9	190	LTTMAP <b>Y</b> LSTEDV
6285	Q8TEX9	242	VPVITP <b>Y</b> LSEVLT
6286	Q8TEX9	626	EGIVPQ <b>Y</b> DGSSSF
6287	Q8TF09	42	NSTTVQ <b>Y</b> AGLLHH
6288	Q8TF09	86	VAPDKE <b>Y</b> LLIVIQ
6289	Q8TF76	442	WHSSSM <b>Y</b> LLSPLN
6290	Q8TF76	464	SDAEKV <b>Y</b> GECSQK
6291	Q8TF76	736	NNRWGE <b>Y</b> HPYSNV
6292	Q8WTQ7	217	KNTGKM <b>Y</b> ACKKLD
6293	Q8WTQ7	370	EKVSYS <b>Y</b> FPVDWFA
6294	Q8WTQ7	394	RTPFKD <b>Y</b> KEKVSK
6295	Q8WU03	14	QKLQIL <b>Y</b> KSLEKS
6296	Q8WU03	71	KDDQDH <b>Y</b> TNTYHI
6297	Q8WU03	243	NMLQIG <b>Y</b> HLEKYL
6298	Q8WUI4	163	PNLKLR <b>Y</b> KPKKSL
6299	Q8WUI4	589	ERHVLL <b>Y</b> GTNPLS
6300	Q8WUI4	726	QDPSVL <b>Y</b> ISLHRH
6301	Q8WUM4	29	KFIQQT <b>Y</b> PSGGEE
6302	Q8WUM4	39	GEEQAQ <b>Y</b> CRAAEE
6303	Q8WUM4	513	GQVKEC <b>Y</b> QSHRDT
6304	Q8WV28	52	SVPRRD <b>Y</b> ASESPA
6305	Q8WV28	119	PFARGE <b>Y</b> IDNRSS
6306	Q8WV28	347	VLCKPW <b>Y</b> AGACDR
6307	Q8WV28	383	HDSKQP <b>Y</b> TLVVFF
6308	Q8WV28	394	FFNKR <b>Y</b> VNI PVRF
6309	Q8WV28	407	IEATKQ <b>Y</b> ALGRKK
6310	Q8WV28	418	KKNGEE <b>Y</b> FGSVAE
6311	Q8WVM8	48	VWKVLI <b>Y</b> DRFGQD

6312	Q8WVM8	111	DLRNQL <b>Y</b> ESYYLN
6313	Q8WVM8	421	ARKLDV <b>Y</b> FEYEELK
6314	Q8WWA1	117	KDELQL <b>Y</b> GDAPGE
6315	Q8WWA1	177	GALLVC <b>Y</b> HYYADW
6316	Q8WWA1	180	LVCYHY <b>Y</b> ADWFMS
6317	Q8WWM7	309	IESSPQ <b>Y</b> RLRIAM
6318	Q8WWM7	729	VQAPQM <b>Y</b> PYPVSN
6319	Q8WWM7	808	MQPMAH <b>Y</b> PSQPVF
6320	Q8WX93	11	SSHESF <b>Y</b> DSLSDM
6321	Q8WX93	342	EDDTGR <b>Y</b> TCLATN
6322	Q8WX93	731	SSGSFN <b>Y</b> ARPKQF
6323	Q8WYJ6	117	EEQFEQ <b>Y</b> LRDESG
6324	Q8WYJ6	199	EEEIHI <b>Y</b> QFPECD
6325	Q8WYJ6	247	PVRGRR <b>Y</b> SWGTVF
6326	Q8WYK2	37	TVEELK <b>Y</b> ADIRNL
6327	Q8WYL5	376	AHWNEA <b>Y</b> HFINKA
6328	Q8WYL5	646	NKVKPS <b>Y</b> KSCADC
6329	Q8WYL5	805	KPTTNS <b>Y</b> LMQHQE
6330	Q92504	117	EHSHGG <b>Y</b> GESGAP
6331	Q92504	137	AVTLWAY <b>Y</b> ALGATV
6332	Q92504	429	TAGGFI <b>Y</b> VATVSV
6333	Q92522	48	KNQPGK <b>Y</b> SQLVVE
6334	Q92522	71	SSLAKI <b>Y</b> TEAKKV
6335	Q92522	91	GRTYLK <b>Y</b> SIKALV
6336	Q92538	547	NYDCDY <b>Y</b> CSNLFE
6337	Q92538	1305	DSELPS <b>Y</b> HQNDVS
6338	Q92538	1323	TSDSEV <b>Y</b> TDHGRP
6339	Q92556	48	SLANHE <b>Y</b> FALQHA
6340	Q92556	60	ADSSNF <b>Y</b> ITEKNR
6341	Q92556	140	ESGTER <b>Y</b> QKLQKI
6342	Q92556	242	DQEIQT <b>Y</b> TIAVIN
6343	Q92556	295	EMAHQL <b>Y</b> VLQVLT
6344	Q92556	352	EKRKSM <b>Y</b> TRDYKK
6345	Q92556	356	SMYTRD <b>Y</b> KKLGFI
6346	Q92556	386	ALDNML <b>Y</b> FAKHHQ
6347	Q92556	576	RQDKFW <b>Y</b> CRLSPN
6348	Q92556	588	NHKVLH <b>Y</b> GDLEES
6349	Q92556	646	LAFSIL <b>Y</b> DSNCQL
6350	Q92556	662	APDKHE <b>Y</b> CIWTDG
6351	Q92563	155	GSDGHT <b>Y</b> SSVCKL
6352	Q92563	278	AINLDK <b>Y</b> EVCIRP
6353	Q92563	342	SCDEDG <b>Y</b> YRKMQC
6354	Q92574	185	HLHASV <b>Y</b> ALFHRL
6355	Q92574	704	LHNQLL <b>Y</b> ERFKRQ
6356	Q92574	1156	QLHIMD <b>Y</b> NETHHE
6357	Q92597	144	GTGAGA <b>Y</b> ILTRFA
6358	Q92597	211	VEVVHT <b>Y</b> RQHIVN
6359	Q92597	307	LAEAFK <b>Y</b> FVQGMG
6360	Q92600	23	VDREKI <b>Y</b> QWINEL
6361	Q92600	120	HIPLFL <b>Y</b> PFLHTV
6362	Q92600	134	KTRPFE <b>Y</b> LRRLTS
6363	Q92616	565	GNKVQQ <b>Y</b> HRLVA
6364	Q92616	1190	SQAVAR <b>Y</b> QRQAAE
6365	Q92616	2611	NTVVRA <b>Y</b> SDQAIV
6366	Q92620	145	RREHGV <b>Y</b> ASSKEE
6367	Q92620	568	TTQLTQ <b>Y</b> LHEDGY
6368	Q92620	925	NMLNSM <b>Y</b> QLWILG
6369	Q92625	365	GPYEAL <b>Y</b> NAISCH

6370	Q92625	455	EEDEHP <b>Y</b> ELLTA
6371	Q92625	1024	DLCTFA <b>Y</b> ITKDLQ
6372	Q92630	14	AAAPAA <b>Y</b> PTGRGG
6373	Q92630	163	EQAMKQ <b>Y</b> MQKLTA
6374	Q92630	178	HHEIFS <b>Y</b> PEIYFL
6375	Q92630	182	FSYPEI <b>Y</b> FLGLNA
6376	Q92630	203	GPNNGG <b>Y</b> DDDQGS
6377	Q92630	210	DDDQGS <b>Y</b> VQVPHD
6378	Q92630	220	PHDHVA <b>Y</b> RYEVLK
6379	Q92630	222	DHVAYR <b>Y</b> EVLKVI
6380	Q92630	240	GQVVKA <b>Y</b> DHKVHQ
6381	Q92630	309	LLSMNL <b>Y</b> ELIKKN
6382	Q92630	374	DFGSSC <b>Y</b> EHQRVY
6383	Q92630	380	YEHQRV <b>Y</b> TYIQSR
6384	Q92630	388	YIQSRF <b>Y</b> RAPEVI
6385	Q92630	399	VILGAR <b>Y</b> GMPIDM
6386	Q92630	419	AELLTG <b>Y</b> PLLPGE
6387	Q92630	461	FVSSKG <b>Y</b> PRYCTV
6388	Q92630	464	SKGYPR <b>Y</b> CTVTTL
6389	Q92673	1011	MDMKIF <b>Y</b> KGKNTG
6390	Q92673	1196	ANCTAI <b>Y</b> HTCEAS
6391	Q92673	1922	QGPSSD <b>Y</b> VVVKMI
6392	Q92731	16	LNSPSS <b>Y</b> NCSQSI
6393	Q92731	43	VDSHHE <b>Y</b> PAMTFY
6394	Q92731	56	SPAVMN <b>Y</b> SIPSNV
6395	Q92734	229	QPQQPP <b>Y</b> TGAQTQ
6396	Q92734	247	GQMYQQ <b>Y</b> QQQAGY
6397	Q92734	329	NYPAQ <b>Y</b> TATQTSQ
6398	Q92736	1687	DEPQLL <b>Y</b> AIENKY
6399	Q92736	3131	DVQVSC <b>Y</b> RILTSL
6400	Q92736	4661	DKYGEF <b>Y</b> GRDRIS
6401	Q92783	219	RKVRAI <b>Y</b> DFEAAE
6402	Q92783	371	MEALSL <b>Y</b> TKLMNE
6403	Q92783	392	KLQNQP <b>Y</b> YMQSSG
6404	Q92783	393	LQNQP <b>Y</b> YMQSSGV
6405	Q92783	405	VSGSQV <b>Y</b> AGPPPS
6406	Q92783	414	PPPSGALVAGNA
6407	Q92783	428	MSHLQS <b>Y</b> SLPPEQ
6408	Q92783	460	QQTQAA <b>Y</b> PNTMVS
6409	Q92783	473	SVQGNT <b>Y</b> PSQAPV
6410	Q92783	480	PSQAPV <b>Y</b> SPPPAA
6411	Q92783	498	TADVTL <b>Y</b> QNAGPN
6412	Q92783	511	MPQVPN <b>Y</b> NLTSST
6413	Q92793	1417	GMHVQE <b>Y</b> GSDCPP
6414	Q92793	1457	HEILIG <b>Y</b> LEYVKK
6415	Q92793	2108	KQRTAK <b>Y</b> VANQPG
6416	Q92794	913	EATQEQ <b>Y</b> TESEEQ
6417	Q92794	1978	PHGNMM <b>Y</b> TGPSHH
6418	Q92794	1986	GPSHHS <b>Y</b> MNAAGV
6419	Q92804	218	FGGHRD <b>Y</b> GPRTDA
6420	Q92804	501	GGDRGG <b>Y</b> GGDRGG
6421	Q92804	549	GDRSGG <b>Y</b> GGDRSG
6422	Q92888	100	KAFLDF <b>Y</b> HSFLEK
6423	Q92888	186	GRDRAS <b>Y</b> EARERH
6424	Q92888	225	VNAIGL <b>Y</b> MRHLGV
6425	Q92888	487	RRQESG <b>Y</b> LIEEIG
6426	Q92888	568	MQRLTK <b>Y</b> PLLLQS
6427	Q92888	618	LLRLKD <b>Y</b> QRRLDL

6428	Q92888	726	TDHKAF <b>Y</b> VLFTWD
6429	Q92900	113	EDEEDT <b>Y</b> YTKDLP
6430	Q92900	958	IIPGSV <b>Y</b> DRSSQG
6431	Q92900	970	GRPSSM <b>Y</b> FQTHDQ
6432	Q92905	51	WTKDHH <b>Y</b> FKYCKI
6433	Q92905	54	DHHYFK <b>Y</b> CKISAL
6434	Q92905	261	LLTNAD <b>Y</b> TTGQVF
6435	Q92918	28	RLGGGT <b>Y</b> GEVFKA
6436	Q92918	232	LMTKSG <b>Y</b> QPPRLK
6437	Q92918	637	VVLLQW <b>Y</b> QPMNKF
6438	Q92922	171	LTRPNI <b>Y</b> LIPDID
6439	Q92922	209	SHHIYP <b>Y</b> SSSQDD
6440	Q92922	240	GFYPDS <b>Y</b> DTWVHS
6441	Q92934	76	RSRHSS <b>Y</b> PAGTED
6442	Q92934	110	LWAAQR <b>Y</b> GRELRR
6443	Q92945	149	TSMTEE <b>Y</b> RVPDGM
6444	Q92945	625	TKAWEE <b>Y</b> YKKIGQ
6445	Q92945	689	RQQAAY <b>Y</b> GQTPGP
6446	Q92974	54	SGMTMC <b>Y</b> ACNKSI
6447	Q92974	198	DEAEVI <b>Y</b> SELMSD
6448	Q92974	510	QEKDQK <b>Y</b> IFPTLD
6449	Q92979	61	VKVGKT <b>Y</b> ELLNCD
6450	Q92979	109	AGLLQV <b>Y</b> IHTQKN
6451	Q92979	212	GKVSVE <b>Y</b> TEKMVS
6452	Q92985	122	ADPHKV <b>Y</b> ALSREL
6453	Q92985	377	MGKCKV <b>Y</b> WEVGGP
6454	Q92985	428	RRGSPR <b>Y</b> TIYLGf
6455	Q92993	246	HRLKPW <b>Y</b> FSPYPQ
6456	Q92993	468	LNLIN <b>Y</b> YKGQYIL
6457	Q92993	472	NYYKGQ <b>Y</b> ILTLSE
6458	Q92997	42	VLQRPS <b>Y</b> KFFFKS
6459	Q92997	467	RREARK <b>Y</b> ASNLLK
6460	Q92997	653	HHTHPS <b>Y</b> GPPGVP
6461	Q93009	468	GGHYVV <b>Y</b> LNPKGD
6462	Q93009	701	KTRSLN <b>Y</b> CGHIYT
6463	Q93009	1091	APKRSR <b>Y</b> TYLEKA
6464	Q93084	122	IEALKE <b>Y</b> EPEMGK
6465	Q93084	294	WLRGAV <b>Y</b> YFKIAV
6466	Q93084	986	LDEALK <b>Y</b> LSRNHM
6467	Q969H0	193	PCKVSE <b>Y</b> TSTTGL
6468	Q969H0	509	AVRCVQ <b>Y</b> DGRRVV
6469	Q969H0	519	RVVSGA <b>Y</b> DFMVKV
6470	Q969M7	75	VTPDEG <b>Y</b> YQGGKF
6471	Q969M7	76	TPDEGY <b>Y</b> QGGKFQ
6472	Q969M7	91	TEVPDA <b>Y</b> NMVPPK
6473	Q969Q0	26	PHKVTQ <b>Y</b> KKGKDS
6474	Q969Q0	41	AQGRRR <b>Y</b> DRKQSG
6475	Q969Q0	48	DRKQSG <b>Y</b> GGQTKP
6476	Q969S2	218	QAQPVC <b>Y</b> TLLDQR
6477	Q969S2	225	TLLDQR <b>Y</b> FSGLGN
6478	Q969S2	286	PQHTQV <b>Y</b> QKEQCP
6479	Q969U6	136	SADMRP <b>Y</b> NWSYTQ
6480	Q969U6	140	RPYNWS <b>Y</b> TQFSQF
6481	Q969U6	494	AEDRHG <b>Y</b> IWDRHY
6482	Q96A00	41	ARVTVK <b>Y</b> DRRELQ
6483	Q96A00	64	GRLEEL <b>Y</b> RGMEAD
6484	Q96A65	51	GRLEE <b>Y</b> EKCDRD
6485	Q96A65	76	TTAIRT <b>Y</b> QSITER

6486	Q96A65	150	CMASKH <b>Y</b> LSATDM
6487	Q96A72	11	SDFYLR <b>Y</b> VGHKG
6488	Q96A72	42	YANNSN <b>Y</b> KNDVMI
6489	Q96A72	53	MIRKEA <b>Y</b> VHKSVM
6490	Q96AD5	22	GFLGV <b>Y</b> VGVASC
6491	Q96AD5	44	ANATHI <b>Y</b> GASAGA
6492	Q96AD5	338	TAMMVP <b>Y</b> TLPLES
6493	Q96AX2	26	PPCSPS <b>Y</b> DLTGKV
6494	Q96AX2	193	IAKELK <b>Y</b> RAGHQA
6495	Q96AX2	209	SFQIRD <b>Y</b> VESQKK
6496	Q96B36	46	RPGPCA <b>Y</b> AAHGRG
6497	Q96B36	180	ALPTQ <b>Q</b> <b>Y</b> AKSLPV
6498	Q96BD6	19	DMRDPT <b>Y</b> RPLKQE
6499	Q96BD6	48	DMPPVS <b>Y</b> DVQLLH
6500	Q96BD6	93	IRGKVG <b>Y</b> TRGLHV
6501	Q96BD6	129	PLHSV <b>Y</b> TTLVGN
6502	Q96BD6	150	LGRNRL <b>Y</b> HDKGNQ
6503	Q96BD6	161	NQPSKT <b>Y</b> PAFLEP
6504	Q96BD6	196	FIVDG <b>Q</b> <b>Y</b> MGVAFR
6505	Q96BD6	210	LKGKKL <b>Y</b> PVVS AV
6506	Q96BD6	226	CEIRMR <b>Y</b> LNGLDP
6507	Q96BR1	34	KKRFTV <b>Y</b> KVLVSV
6508	Q96BR1	108	VRYPEL <b>Y</b> NHPDVR
6509	Q96BR1	188	KLDGKF <b>Y</b> AVKVLQ
6510	Q96BT3	255	VGSPNV <b>Y</b> HSLPCT
6511	Q96BT3	490	EKCLDK <b>Y</b> FQHLCD
6512	Q96BT3	543	RHLPLE <b>Y</b> RQLLIP
6513	Q96C19	83	RRVFNP <b>Y</b> TEFKEF
6514	Q96C19	104	EKMFK <b>Q</b> <b>Y</b> DAGR DG
6515	Q96C36	13	GAGQLA <b>Y</b> ALARGE
6516	Q96C36	135	QEGATV <b>Y</b> ATGTHA
6517	Q96C36	180	SGSGPA <b>Y</b> AFMALD
6518	Q96C86	113	QFSNDI <b>Y</b> STYHLF
6519	Q96C86	116	NDIYST <b>Y</b> HLFPPR
6520	Q96C86	274	HYLPS <b>Y</b> YHLHVHF
6521	Q96CF2	42	LGKKQ <b>E</b> <b>Y</b> LENRIQ
6522	Q96CN5	8	EEFRRS <b>Y</b> SRLCRE
6523	Q96CN5	657	QNAVLA <b>Y</b> VQASPV
6524	Q96CT7	38	KELEDA <b>Y</b> WKDDDK
6525	Q96CV9	214	GTALSK <b>Y</b> RSRSAD
6526	Q96CV9	471	RAQMEV <b>Y</b> CSDFHA
6527	Q96CV9	533	DSDQQA <b>Y</b> LVQ RGA
6528	Q96DA6	21	AGFAGR <b>Y</b> VLQAMK
6529	Q96DA6	50	AFSGGY <b>Y</b> RGGFEP
6530	Q96DA6	98	DKGGSP <b>Y</b> IAAKIN
6531	Q96DG6	18	IGHRLE <b>Y</b> GGLGRE
6532	Q96DG6	33	VEHIKA <b>Y</b> VTKSPV
6533	Q96DG6	229	SPADKP <b>Y</b> IDEARR
6534	Q96EB6	301	AMFDIE <b>Y</b> FRKDPR
6535	Q96EB6	317	KFAKEI <b>Y</b> PGQFQP
6536	Q96EB6	699	SEIEEF <b>Y</b> NGLEDE
6537	Q96EG1	155	NFRGFD <b>Y</b> YFGIPY
6538	Q96EG1	156	FRGFD <b>Y</b> YFGIPYS
6539	Q96EG1	244	GRPFLL <b>Y</b> VALAHM
6540	Q96EP5	29	QETLRS <b>Y</b> FSQYGE
6541	Q96EP5	146	TEVVM <b>I</b> <b>Y</b> DAEKQR
6542	Q96EP5	265	PPPFTS <b>Y</b> IVSTPP
6543	Q96EY1	94	PLAKED <b>Y</b> YQILGV



6544	Q96EY1	173	SGSQHSYWKGGPT
6545	Q96EY1	427	QSLILSYAEDETD
6546	Q96EY5	52	FAQKSGYFLCLSS
6547	Q96EY5	134	TKTVPGYLRIGDM
6548	Q96EY5	210	YEASSLYGISAMD
6549	Q96EY5	254	ADIEEEYNYGFVV
6550	Q96EY5	256	IEEEYNYGfVVEK
6551	Q96G03	236	FEDLKKYCFHRSV
6552	Q96G03	506	YDGKNNYPKACGK
6553	Q96G03	525	RDLTTGYDDSQPD
6554	Q96G74	181	YNSEDEYEAAR
6555	Q96G74	234	AVADQVYGDQDMH
6556	Q96G74	250	RKHCM DYLMKNAD
6557	Q96G74	257	LMKNADYFSNYVT
6558	Q96G74	261	ADYFSNYVTEDFT
6559	Q96G74	269	TEDEFTTYINRKRK
6560	Q96G74	292	QAMAEMYNRPVEV
6561	Q96G74	299	NRPVEVYQYSTGT
6562	Q96G74	301	PVEVYQYSTGTSA
6563	Q96G74	329	EPIRVSYHRNIHY
6564	Q96G74	335	YHRNIHYNsvvNP
6565	Q96G74	407	QVARES YLQWLRD
6566	Q96G74	514	SPLVSLYPALECR
6567	Q96G74	553	AVSQQEYLD SMKK
6568	Q96GA7	81	AGIAAAYAAARKLG
6569	Q96GA7	284	AALAAIYSGLLRR
6570	Q96H79	172	PEVCLLYNKGEAL
6571	Q96H79	179	NKGEALYGYCNLK
6572	Q96H79	241	FQIISTYKHKMLH
6573	Q96HC4	530	PYCETDYALFGT
6574	Q96HC4	531	YCETDYALFGTI
6575	Q96HC4	557	FLEALGYTWHDTC
6576	Q96HQ2	30	AEQFRSYSESEKQ
6577	Q96HQ2	51	LRHLPDYRDPPDG
6578	Q96HQ2	81	LFLGCSY NKDLLD
6579	Q96I15	65	GNPSSPYsAGRKA
6580	Q96I15	269	PRIGALYIRGLGE
6581	Q96I15	403	SPVLLSYGVFPDV
6582	Q96J02	42	WFGPSPYVEVTVD
6583	Q96J02	343	DQHGRVYYVDHVE
6584	Q96J02	344	QHGRVYYVDHVEK
6585	Q96J02	375	DNMGRIYYVDHFT
6586	Q96J02	376	NMGRIYYVDHFTR
6587	Q96J02	397	LESVRN YEQWQLQ
6588	Q96J02	455	DSNGRVYFVNHNNT
6589	Q96J02	495	TVDGIPYFVDHNR
6590	Q96J02	506	NRRTTTYIDPRTG
6591	Q96J02	524	NGPQIAYVRDFKA
6592	Q96J02	534	FKAKVQYFRFWCQ
6593	Q96J02	589	GEEGLDYGGVARE
6594	Q96J02	614	MYCLFEYAGKDNY
6595	Q96J02	620	YAGKDNYCLQINP
6596	Q96J02	629	QINPAS YINPDHL
6597	Q96J02	637	NPDHLKYFRFIGR
6598	Q96J02	664	GFSLPFYKRILNK
6599	Q96J02	704	ECDLEM YFSVDKE
6600	Q96J02	737	EENKEEYIRMVAE
6601	Q96J02	772	PQQYLQYFDAKEL



6602	Q96J02	799	WQRHAIYRHYART
6603	Q96J02	802	HAIYRHYARTSKQ
6604	Q96J02	880	RLDLPPYKSIEQL
6605	Q96J02	883	LPPYKSIEQLKEK
6606	Q96JB2	407	KLCVSLYDVFRPL
6607	Q96JB2	555	DLHGMWYPTVRRT
6608	Q96JB2	733	SQGGPKYTLSQQP
6609	Q96KP4	190	FFKDVDYVCISDN
6610	Q96KP4	215	GLRGICYFFIEVE
6611	Q96KP4	456	KLNRYNYIEGTMK
6612	Q96KQ7	736	HLEVARYMVQRGG
6613	Q96KQ7	952	CPEDYKYISENCE
6614	Q96KQ7	1097	NKDGEVYCIDARY
6615	Q96L34	59	QPHVGNYRLLRTI
6616	Q96L34	278	KYRVPFYTMSTDCE
6617	Q96L34	357	SLTSQKYNEVTAT
6618	Q96LA8	51	QLYYECYSDVSVH
6619	Q96LA8	70	RVRTDAYRLGILR
6620	Q96LA8	359	LRVLLRYKVGDDQE
6621	Q96LC7	45	VPCSFSYPRQDWT
6622	Q96LC7	57	TGSTPAYGYWFKA
6623	Q96LC7	59	STPAYGYWFKAVT
6624	Q96LC7	116	MQDESQYFFRVER
6625	Q96LC7	125	RVERGSYVRYNFM
6626	Q96LC7	128	RGSYVRYNFMNDG
6627	Q96LC7	149	TQKPDVYIPETLE
6628	Q96LC7	236	VRLRVAYAPRDLV
6629	Q96LC7	263	PQGNVPYLEAQKG
6630	Q96LC7	321	AGDSGRYTCRAEN
6631	Q96LC7	342	LDLSVQYPPENLR
6632	Q96LC7	444	LSLSVHYSPKLLG
6633	Q96LC7	597	HSTILDYINVVPT
6634	Q96LC7	641	KNQKKQYQLPSFP
6635	Q96P11	37	QNVKQLYALVCET
6636	Q96P11	46	VCETQRYSAVLDA
6637	Q96P11	203	LHEHPLYRAGHLI
6638	Q96P16	130	QLKQALYGDKKPR
6639	Q96P16	140	KPRKRTYEQIKVD
6640	Q96P16	265	EHKLEEKYKRLAR
6641	Q96P70	194	VILPEMYKIFTMA
6642	Q96P70	396	DDDTFSYTVRIAA
6643	Q96P70	889	VKGEEIYSMDEGI
6644	Q96PD5	285	GVILGDYLSRTPE
6645	Q96PD5	435	MRSMQRYHQDTQG
6646	Q96PD5	486	VAIVGNYTAALPT
6647	Q96PU5	126	PTMERPYTFKDFL
6648	Q96PU5	211	NLGRTYYNHNNR
6649	Q96PU5	756	ESVDSEYNSLKW
6650	Q96PU8	57	RVRKDMYNDTLNG
6651	Q96PU8	292	TPYEYPYTLAPAT
6652	Q96PU8	328	DMRVHPYQRIVTA
6653	Q96Q83	127	IREDTYQQPRLT
6654	Q96Q83	141	WYGELPYTYSRIT
6655	Q96Q83	181	SLLCNLRYNEKDS
6656	Q96Q89	201	PHRSREYLRLSSE
6657	Q96Q89	1042	SKQVKEYRIQEPN
6658	Q96Q89	1360	EEAIQQYERACKD
6659	Q96R06	125	VDPLGNYMVKTIV

6660	Q96R06	870	LEKTRQ <b>Y</b> SQKLGL
6661	Q96R06	1169	DIVQHI <b>Y</b> KTLLSI
6662	Q96RG2	1107	DEPLAS <b>Y</b> IFRQLV
6663	Q96RG2	1179	VLMGNP <b>Y</b> RGPELE
6664	Q96RG2	1218	AAIHPP <b>Y</b> LVSKELE
6665	Q96RI1	83	YSNLGF <b>Y</b> PQQPEE
6666	Q96RI1	375	SGISDE <b>Y</b> ITPMFS
6667	Q96RI1	383	TPMFSF <b>Y</b> KSIGEL
6668	Q96RL1	303	LCQLEV <b>Y</b> QKSLKM
6669	Q96RL1	523	IERHAM <b>Y</b> CNGLME
6670	Q96RL1	575	LVPFRE <b>Y</b> QCHVDS
6671	Q96RU2	193	RRLVLS <b>Y</b> SLPQNV
6672	Q96RU2	220	FMQELQ <b>Y</b> LFALMM
6673	Q96RU2	323	PLQVNG <b>Y</b> RNLDEC
6674	Q96S19	21	LHVLRQ <b>Y</b> LDPQR
6675	Q96S19	139	RALLIT <b>Y</b> GPYAIN
6676	Q96S19	142	LITYGP <b>Y</b> AINGKI
6677	Q96SB4	62	QEDPND <b>Y</b> CKGGYH
6678	Q96SB4	181	WIIKSN <b>Y</b> QGLPLP
6679	Q96SB4	365	VIEVIN <b>Y</b> TQNSNN
6680	Q96SD1	331	IKDFLS <b>Y</b> LCPVNA
6681	Q96SD1	369	QSTEPK <b>Y</b> KPLGKL
6682	Q96SD1	391	SEEEDD <b>Y</b> LFDDPL
6683	Q96T51	212	RGRWL <b>Y</b> LALMQK
6684	Q96T51	223	QKKLAD <b>Y</b> LKVLID
6685	Q96T51	238	HLLSEF <b>Y</b> EPEALM
6686	Q96T51	285	VIDFSL <b>Y</b> LKDVQD
6687	Q96T51	310	VLDQKN <b>Y</b> VEELNR
6688	Q96T51	685	ELALPS <b>Y</b> PKPVRV
6689	Q96T88	239	KERGF <b>Y</b> WDAEISR
6690	Q96T88	256	RTAREL <b>Y</b> ANVVLG
6691	Q96T88	458	RSNDG <b>Y</b> SLVLAG
6692	Q96TA1	276	QISDAV <b>Y</b> HMVYEQ
6693	Q96TA1	342	RNHVQ <b>Y</b> PYIPSI
6694	Q96TA1	482	VLKKYD <b>Y</b> DSSSVR
6695	Q99259	127	VDILLN <b>Y</b> VRKTFD
6696	Q99259	340	KGYVPF <b>Y</b> VNATAG
6697	Q99259	442	FQPDQ <b>Y</b> KQDVSYDT
6698	Q99426	64	GVDDKF <b>Y</b> SKLDQE
6699	Q99426	197	YWIGVR <b>Y</b> DEPLGK
6700	Q99426	213	SVNGKR <b>Y</b> FECQAK
6701	Q99459	51	QCKARW <b>Y</b> EWLDPS
6702	Q99459	100	AQCLEH <b>Y</b> EFLLDK
6703	Q99459	511	REIDDT <b>Y</b> IEDAAD
6704	Q99490	15	QRRTTT <b>Y</b> LISLTL
6705	Q99490	431	RFLTGS <b>Y</b> QVLEKT
6706	Q99490	442	KTESEQ <b>Y</b> KKEMLV
6707	Q99490	544	DMKRCS <b>Y</b> YETCAT
6708	Q99490	545	MKRCS <b>Y</b> YETCATY
6709	Q99490	551	YETCAT <b>Y</b> GLNVDR
6710	Q99490	608	GGHTSD <b>Y</b> SSSLPS
6711	Q99490	699	KEWKK <b>Y</b> YVTLSSN
6712	Q99490	710	SNGFLL <b>Y</b> HPSIND
6713	Q99490	717	HPSIND <b>Y</b> IHSTHG
6714	Q99490	870	GSLRNI <b>Y</b> KAEENF
6715	Q99490	1038	SWIRAK <b>Y</b> EQLLFL
6716	Q99490	1113	TQLLLW <b>Y</b> GADVAA
6717	Q99490	1130	GRTALF <b>Y</b> ARQAGS

6718	Q99497	67	AKKEGPYDVVVLP
6719	Q99497	139	MMNGGHYTYSENRR
6720	Q99497	141	NGGHYTYSENRVE
6721	Q99504	96	YPGQTQYQTLQQT
6722	Q99504	208	ILGQNQYQACYPS
6723	Q99504	532	FGKKVTYVVIGDG
6724	Q99536	177	VNYITAYMVLDFD
6725	Q99536	330	CGFHLGYLDGEVE
6726	Q99536	349	ARLLALYNQGHK
6727	Q99558	391	KLKPVDYERYEEV
6728	Q99558	555	SLLTGDYIPGTET
6729	Q99558	682	PPNQANYHQTLHA
6730	Q99572	13	CSDVFQYETNKVT
6731	Q99572	26	RIQSMNYGTIKWF
6732	Q99572	40	HVIIFS YVCFALV
6733	Q99572	51	LVSDKLYQRKEPV
6734	Q99572	93	VFDTADYTFPLQG
6735	Q99572	122	QRLCPEYPTRRTL
6736	Q99572	155	TGRCVVYEGNQKT
6737	Q99572	203	DFPGHNYTTRNIL
6738	Q99572	257	IMGIEIYWDCNLD
6739	Q99572	273	HHCPRKYSFRRLD
6740	Q99572	288	TTNVSLYPGYNFR
6741	Q99572	291	VSLYPGYNFRYAK
6742	Q99572	298	NFRYAKYYKENNV
6743	Q99572	299	FRYAKYYKENNVE
6744	Q99572	336	IIQLVVYIGSTLS
6745	Q99572	358	DFLIDTYSSNCCR
6746	Q99572	368	CCRSHIYPWCKCC
6747	Q99572	382	PCVVNEYYYRKKC
6748	Q99572	383	CVVNEYYYRKKCE
6749	Q99572	384	VVNEYYYRKKCES
6750	Q99572	400	PKPTLKYVSFVDE
6751	Q99572	529	LQFLLLYQEPLLA
6752	Q99572	550	RLRHCA YRCYATW
6753	Q99572	553	HCA YRCYATWRFG
6754	Q99613	106	EGVPRFYIRILAD
6755	Q99613	512	RILHTY YKFDYKA
6756	Q99613	898	YRKNEGYMRGGY
6757	Q99615	64	CPKNASY YGNRAA
6758	Q99615	276	GNYKLAYELYTEA
6759	Q99615	351	EEAVRDY EK VYQT
6760	Q99623	77	RIPWFQYPIIYDI
6761	Q99623	81	FQYPIIYDIRARP
6762	Q99623	193	LSFSREYTA AVEA
6763	Q99627	55	DMNNARYLWK RIP
6764	Q99627	90	RDFPGIYTTINAH
6765	Q99627	125	ALVSQAYTSIIAD
6766	Q99638	48	NSSRSAYACFLFA
6767	Q99638	61	PLFFQQYQAATPG
6768	Q99638	181	RVILRSYHEEEAD
6769	Q99638	306	NDDIDSYMIAMET
6770	Q99640	136	KEDGRLYAVKRSM
6771	Q99640	273	QEGDPRYMAPELL
6772	Q99640	319	QQLRQGYLPPEFT
6773	Q99661	303	KVDLT KYLENQAF
6774	Q99661	390	LKNQPCYRKLGLE
6775	Q99661	581	TLNTRL YADRVKE

6776	Q99665	62	RQGCFH <b>Y</b> SRRNKL
6777	Q99665	71	RNKLIL <b>Y</b> KFDRRI
6778	Q99665	154	GRDTHL <b>Y</b> TEYTLQ
6779	Q99665	177	KQCKDI <b>Y</b> CDYLDF
6780	Q99665	180	KDIYCD <b>Y</b> LDFGIN
6781	Q99665	245	VSRCTL <b>Y</b> WRDEGL
6782	Q99665	259	LLNRLR <b>Y</b> RPSNSR
6783	Q99665	290	LKPFTE <b>Y</b> EFQISS
6784	Q99665	301	SSKLHL <b>Y</b> KGSWSD
6785	Q99665	329	GMLDVW <b>Y</b> MKRHID
6786	Q99665	336	MKRHID <b>Y</b> SRQQIS
6787	Q99665	360	RGKILH <b>Y</b> QVTLQE
6788	Q99665	454	PSAVQE <b>Y</b> VVEWRE
6789	Q99665	479	WLSR <b>P</b> YNVSALI
6790	Q99665	492	SENIKS <b>Y</b> ICYEIR
6791	Q99665	495	IKSYIC <b>Y</b> EIRVYA
6792	Q99665	500	CYEIRV <b>Y</b> ALSGDQ
6793	Q99665	556	MGCLLH <b>Y</b> RIYWKE
6794	Q99665	559	LLHYRI <b>Y</b> WKERDS
6795	Q99665	576	QLCEIP <b>Y</b> RVSQNS
6796	Q99665	594	LQPRVT <b>Y</b> VLWMTA
6797	Q99665	645	GIFSTH <b>Y</b> FQQKVF
6798	Q99665	678	STCAKK <b>Y</b> PIAEEK
6799	Q99665	767	RQLVDL <b>Y</b> KVLESR
6800	Q99683	147	TVLDRF <b>Y</b> NADIAV
6801	Q99683	167	RQPSLF <b>Y</b> HLGVRE
6802	Q99683	184	ANNIIL <b>Y</b> CDTNSD
6803	Q99683	210	TMCTGN <b>Y</b> TFVPYM
6804	Q99683	224	TPHNKV <b>Y</b> CCDSSF
6805	Q99683	271	QASSSQ <b>Y</b> FRESIL
6806	Q99683	327	YRDIQD <b>Y</b> DSIVKL
6807	Q99683	390	QVASDM <b>Y</b> CLVGRI
6808	Q99683	435	LQSGIN <b>Y</b> AVLLLA
6809	Q99683	521	VETILI <b>Y</b> KHFVKL
6810	Q99683	570	LEPTKI <b>Y</b> QPSYLS
6811	Q99683	574	KIYQPS <b>Y</b> LSINNE
6812	Q99683	636	SDDFQI <b>Y</b> FCTELH
6813	Q99683	673	ESDLLE <b>Y</b> DYEYDE
6814	Q99683	677	LEYDYE <b>Y</b> DENGDR
6815	Q99683	783	EQTIGF <b>Y</b> TKQILE
6816	Q99683	814	NVLINT <b>Y</b> SGVLKI
6817	Q99683	845	FTGTLQ <b>Y</b> MAPEII
6818	Q99683	858	DKGPRG <b>Y</b> GKAADI
6819	Q99683	882	TGKPPF <b>Y</b> ELGEPQ
6820	Q99683	961	SAGSNE <b>Y</b> LRSISL
6821	Q99683	982	TSSSSE <b>Y</b> GSVSPD
6822	Q99683	1342	TLLDVLY <b>Y</b> VTRDD
6823	Q99683	1343	LLDVLY <b>Y</b> VTRDDL
6824	Q99704	30	KTWAVL <b>Y</b> PASPHG
6825	Q99704	146	MLENSL <b>Y</b> SPTWEG
6826	Q99704	174	CGLHGS <b>Y</b> VLRVEA
6827	Q99704	203	PLLSWP <b>Y</b> TLLRRY
6828	Q99704	209	YTLLRR <b>Y</b> GRDKVM
6829	Q99704	315	PSQDSL <b>Y</b> SDPLDS
6830	Q99704	402	EGYELP <b>Y</b> NPATDD
6831	Q99708	228	ILVADT <b>Y</b> DQSQSP
6832	Q99708	780	KAFVEP <b>Y</b> FKGDER
6833	Q99708	820	KECEI <b>Y</b> YADMPAE

6834	Q99759	377	GAFGRV <b>Y</b> LCYDVD
6835	Q99759	427	HERIVQ <b>Y</b> YGCLRD
6836	Q99759	532	SVTGT <b>P</b> YWMSPEV
6837	Q99828	16	KELLA <b>E</b> YQDLTFL
6838	Q99828	110	PDIKSH <b>Y</b> AFRIFD
6839	Q99832	111	LKQVK <b>P</b> YVEEGLH
6840	Q99832	222	FKKT <b>F</b> SYAGFEMQ
6841	Q99832	438	QLLIG <b>A</b> YAKALEI
6842	Q99935	53	PSPPPP <b>Y</b> DSRLNS
6843	Q99935	102	PRLFP <b>G</b> YPNLHFP
6844	Q99935	113	FPLRP <b>Y</b> YVGPIRI
6845	Q99958	56	AGMGR <b>S</b> YAPYHHH
6846	Q99958	59	GRSYAP <b>Y</b> HHHQPA
6847	Q99958	488	RSTPPL <b>Y</b> RHAAPY
6848	Q99983	39	QEPDD <b>D</b> YQTGFPF
6849	Q99983	58	GVPFHQ <b>Y</b> TLGCVS
6850	Q99983	306	RNLEHL <b>Y</b> LQNEI
6851	Q99986	142	SDLQK <b>I</b> YEANAKR
6852	Q99986	198	QVYLVD <b>Y</b> GLAYRY
6853	Q99986	202	VDYGL <b>A</b> YRYCPEG
6854	Q9BPZ7	268	LALVEK <b>Y</b> SSPGLT
6855	Q9BPZ7	457	AIFKL <b>T</b> YLSNHDY
6856	Q9BPZ7	484	IVLKVN <b>Y</b> ILESRA
6857	Q9BQ15	74	IRLTG <b>K</b> YASVFKG
6858	Q9BQ15	85	KGCLTL <b>Y</b> TGRGGD
6859	Q9BQ15	115	SEPNPE <b>Y</b> STQQAP
6860	Q9BQA1	36	QLEAAR <b>Y</b> RSDGAL
6861	Q9BQA1	122	VSKFCK <b>Y</b> EHDDIV
6862	Q9BQA1	163	QVVLSS <b>Y</b> RAHAAQ
6863	Q9BR39	82	TKGRWL <b>Y</b> KGEWTH
6864	Q9BR39	94	HGFKGR <b>Y</b> GIRQSS
6865	Q9BR39	326	DNLRH <b>G</b> YGCTTLP
6866	Q9BR76	283	PDTSV <b>V</b> YVCGKGD
6867	Q9BR76	364	LFQDDL <b>Y</b> PDTAGP
6868	Q9BR76	396	ISLREA <b>Y</b> VPSKQR
6869	Q9BRK3	278	CHLHH <b>H</b> YCGLHER
6870	Q9BRK3	372	RRGGY <b>E</b> YSDQKSG
6871	Q9BRK3	429	SPLPAK <b>Y</b> IDLDKG
6872	Q9BSJ6	187	AAFRSP <b>Y</b> SSTEPL
6873	Q9BT78	26	KDLAG <b>K</b> YRQILEK
6874	Q9BT78	139	ETGQK <b>Q</b> YNVDYKL
6875	Q9BT78	155	LKIARL <b>Y</b> LEDDDP
6876	Q9BTC0	928	PNVDRT <b>Y</b> FPGPPG
6877	Q9BTC0	1024	SSPDPR <b>Y</b> LSVPPS
6878	Q9BTC0	1860	EFQDAP <b>Y</b> NEVTGA
6879	Q9BTM9	84	LLGELD <b>Y</b> QLQDQD
6880	Q9BTY2	304	DKLSWG <b>Y</b> RREAGI
6881	Q9BTY2	386	VTPDV <b>V</b> YTSKPKE
6882	Q9BTY2	396	PKEKL <b>V</b> YAIFLKW
6883	Q9BTY7	175	ARAPL <b>H</b> YLAPLLS
6884	Q9BTY7	272	LPVDL <b>Q</b> YLPPDKQ
6885	Q9BTY7	312	VRDQGA <b>Y</b> LILREL
6886	Q9BUB5	48	GKFED <b>M</b> YKLTSEL
6887	Q9BUB5	99	REVEL <b>T</b> YQCQGNK
6888	Q9BUB5	333	SIQEG <b>K</b> YEFDPKD
6889	Q9BV73	66	QAKVL <b>Q</b> YRSWCQE
6890	Q9BV73	169	QEFFK <b>G</b> YLGGEHG
6891	Q9BV73	381	IFSQFD <b>Y</b> QDADKA

6892	Q9BV86	19	YSKAKT <b>Y</b> WKQIPP
6893	Q9BV86	34	DGMLGG <b>Y</b> GHISSI
6894	Q9BV86	215	NLPDEI <b>Y</b> HVYSFA
6895	Q9BWF3	37	CDIIKN <b>Y</b> GFVHIE
6896	Q9BWF3	201	GAVRTP <b>Y</b> TMSYGD
6897	Q9BWF3	221	YGALDA <b>Y</b> YKRCRA
6898	Q9BWT1	262	NSREKI <b>Y</b> NRSLGS
6899	Q9BWT1	305	PCLRN <b>Y</b> GEVVRD
6900	Q9BWT1	346	ATGVLV <b>Y</b> LAKYHG
6901	Q9BX63	19	VKIYFP <b>Y</b> KAYPSQ
6902	Q9BX63	461	YLVERD <b>Y</b> ESACKI
6903	Q9BX63	916	EVTSLK <b>Y</b> STPPYL
6904	Q9BX84	832	PWTRKV <b>Y</b> EFYSAP
6905	Q9BX84	1341	RQAHSK <b>Y</b> GQFLLV
6906	Q9BX84	1710	QEPHH <b>Y</b> SAIERN
6907	Q9BXA7	30	AKVKSA <b>Y</b> SERLKF
6908	Q9BXA7	87	TSHGKV <b>Y</b> IVMELA
6909	Q9BXA7	192	VLQGIP <b>Y</b> QPKVYD
6910	Q9BXM7	171	GCSAAV <b>Y</b> EATMPT
6911	Q9BXM7	253	VALAGE <b>Y</b> GAVTYR
6912	Q9BXM7	404	LPFSSW <b>Y</b> VDRGGN
6913	Q9BXS0	51	AVVSCL <b>Y</b> LGVKTN
6914	Q9BXS0	102	LLAQKS <b>Y</b> EHMAKI
6915	Q9BXS0	431	ATEIID <b>Y</b> NGNLHE
6916	Q9BXS5	267	EFELMS <b>Y</b> RLNTHV
6917	Q9BXS5	354	FPGGKE <b>Y</b> LMRAHF
6918	Q9BXS5	403	IIEKSG <b>Y</b> QALPWV
6919	Q9BXS6	202	MESIDQ <b>Y</b> IERKKK
6920	Q9BXS6	388	QSKEN <b>Y</b> LNQHVN
6921	Q9BXS6	399	VNRINF <b>Y</b> KKTYKQ
6922	Q9BXW9	131	ASMGAS <b>Y</b> SKSLIK
6923	Q9BXW9	468	FKFFDT <b>Y</b> CQQEVV
6924	Q9BXW9	733	PLCLAP <b>Y</b> FRLLRL
6925	Q9BY32	87	GGLPGP <b>Y</b> IKWFLE
6926	Q9BY32	113	FEDKSA <b>Y</b> ALCTFA
6927	Q9BY32	164	DGYEQT <b>Y</b> AEMPKA
6928	Q9BY41	75	TFHTDA <b>Y</b> LQHLQK
6929	Q9BY41	241	IQDEKY <b>Y</b> QICESV
6930	Q9BY41	368	IQQILN <b>Y</b> IKGNLK
6931	Q9BY44	17	RGSEGL <b>Y</b> MVNGPP
6932	Q9BY44	322	PRNAAY <b>Y</b> SPHGH
6933	Q9BY44	349	VWDVKN <b>Y</b> KLISKP
6934	Q9BY77	182	QAKQNL <b>Y</b> DLDEDD
6935	Q9BY77	331	DDAITA <b>Y</b> KKYNNR
6936	Q9BY77	334	ITAYKK <b>Y</b> NNRCLD
6937	Q9BY84	88	SQKVVV <b>Y</b> DQSSQD
6938	Q9BY84	294	LGQLLD <b>Y</b> EKKIKN
6939	Q9BY84	558	SLTSSW <b>Y</b> FATESS
6940	Q9BYE7	183	HQTQPL <b>Y</b> NIIRLDR
6941	Q9BYE7	214	KQMHDF <b>Y</b> KERGLE
6942	Q9BYE7	340	GLLV <b>Y</b> GLVVSP
6943	Q9BYG3	48	LTPGVV <b>Y</b> VRHLPN
6944	Q9BYG3	109	AETMNN <b>Y</b> LFGERL
6945	Q9BYG3	183	AKKGID <b>Y</b> DFPSLI
6946	Q9BYV9	234	YPRYKK <b>Y</b> QLACTK
6947	Q9BYV9	392	TPFTGN <b>Y</b> GQPHVG
6948	Q9BYV9	480	LPSSQA <b>Y</b> SHGGLM
6949	Q9BZE4	176	TLLLCG <b>Y</b> PNVGKS



6950	Q9BZE4	416	ILDLQK <b>Y</b> WDLMNL
6951	Q9BZE4	539	DKDDAH <b>Y</b> AVQARR
6952	Q9BZL4	146	VAASCG <b>Y</b> LDIARY
6953	Q9BZL4	152	YLDIAR <b>Y</b> LLSHGA
6954	Q9BZL4	687	GGFRTL <b>Y</b> AELRRE
6955	Q9BZL6	87	FPECGF <b>Y</b> GLYDKI
6956	Q9BZL6	90	CGFYGL <b>Y</b> DKILLF
6957	Q9BZL6	146	ALTVHS <b>Y</b> RAPAFc
6958	Q9BZL6	176	DGCGLN <b>Y</b> HKRCAF
6959	Q9BZL6	246	SSSASS <b>Y</b> TGRPIE
6960	Q9BZL6	272	TFLIHS <b>Y</b> TRPTVC
6961	Q9BZL6	378	AQSSLG <b>Y</b> IPLMRV
6962	Q9BZL6	407	EGWVVH <b>Y</b> SNKDTL
6963	Q9BZL6	418	TLRKRH <b>Y</b> WRLDCK
6964	Q9BZL6	437	NNTTNR <b>Y</b> YKEIPL
6965	Q9BZL6	476	VTANAT <b>Y</b> FVGEMP
6966	Q9BZL6	549	VDIATV <b>Y</b> QIFPDE
6967	Q9BZL6	566	GQFGVV <b>Y</b> GGKHRK
6968	Q9BZL6	728	VLLNQG <b>Y</b> NRSLDM
6969	Q9BZL6	742	SVGVIM <b>Y</b> VSLSGT
6970	Q9BZL6	768	QNAAFM <b>Y</b> PASPWS
6971	Q9BZL6	796	VKMRKR <b>Y</b> SVDKSL
6972	Q9BZL6	810	HPWLQE <b>Y</b> QTWLDL
6973	Q9BZL6	827	GKMGER <b>Y</b> ITHESD
6974	Q9BZS1	191	AVPQSS <b>Y</b> PLLANG
6975	Q9BZS1	342	MRPPFT <b>Y</b> ATLIRW
6976	Q9BZS1	364	RTLNEI <b>Y</b> HWFTRM
6977	Q9BZZ5	261	STRFVT <b>Y</b> FCEQVL
6978	Q9BZZ5	317	FDKLE <b>Y</b> MPLPPE
6979	Q9BZZ5	497	NLGNFN <b>Y</b> EQRGAF
6980	Q9GZN2	38	ILRDWL <b>Y</b> LHRYNA
6981	Q9GZN2	42	WLYLHR <b>Y</b> NAYPSE
6982	Q9GZN2	45	LHRYNA <b>Y</b> PSEQEK
6983	Q9GZT4	127	YGASIV <b>Y</b> CEPSDE
6984	Q9GZT4	207	KPSVKV <b>Y</b> AAEPSN
6985	Q9GZT4	231	KLMPNL <b>Y</b> PPETIA
6986	Q9GZT9	163	QEKANL <b>Y</b> PPSNTP
6987	Q9GZT9	390	YAITVW <b>Y</b> FDADER
6988	Q9GZT9	403	ARAKVK <b>Y</b> LTGEKG
6989	Q9GZV1	15	GVGALA <b>Y</b> KAPEAL
6990	Q9GZV1	293	AVRLNR <b>Y</b> KI IKLL
6991	Q9GZV5	118	HLRQQS <b>Y</b> DVTDL
6992	Q9GZV5	141	TATGQR <b>Y</b> FLNHIE
6993	Q9GZV5	305	FLNGGP <b>Y</b> HSREQS
6994	Q9GZX7	64	ELLFLR <b>Y</b> ISDWDL
6995	Q9GZX7	114	IFTARL <b>Y</b> FCEDRK
6996	Q9GZX7	144	IMTFKD <b>Y</b> FCWNT
6997	Q9GZY6	40	KRSEKI <b>Y</b> QQRSLR
6998	Q9GZY6	84	DKLLQF <b>Y</b> PSLEDP
6999	Q9GZY6	95	DPASSR <b>Y</b> QNFSKG
7000	Q9GZY6	110	HGSEE <b>Y</b> IDPIAM
7001	Q9GZY6	118	DPIAME <b>Y</b> YNWGRF
7002	Q9GZY6	119	PIAME <b>Y</b> YNWGRFS
7003	Q9H063	32	IGRIES <b>Y</b> SCKMAG
7004	Q9H063	95	SRKTLF <b>Y</b> LIATLN
7005	Q9H063	166	LAECDI <b>Y</b> SYNPDL
7006	Q9H093	241	SLGVLL <b>Y</b> ILVHGT
7007	Q9H093	267	QISNGA <b>Y</b> REPPKP



7008	Q9H093	307	WWVNWGYATRVGE
7009	Q9H0H5	54	DHELGKYKDLLMK
7010	Q9H0H5	459	NSIAAMYQAVGEL
7011	Q9H0H5	538	LSLPLEYWSQFMM
7012	Q9H0K1	93	ETKSMLYLVTEYA
7013	Q9H0K1	700	QNTCQLYCKEPPR
7014	Q9H0K1	787	SSEQMQYSPFLSQ
7015	Q9H0N0	42	DSFDNTYQAIIGI
7016	Q9H0N0	56	FLSKTMYLEDGTI
7017	Q9H0N0	223	LPQKPPYSFIDCS
7018	Q9H0S4	170	NLRALKYLVMDA
7019	Q9H0S4	232	CAVSSKYQTVEKL
7020	Q9H0S4	370	ITFVTQYDVELFQ
7021	Q9H1A4	142	DKSEKAYSSNEVE
7022	Q9H1A4	238	GSSRVQYVVDHAM
7023	Q9H1A4	322	TSPFQNYSSIHSQ
7024	Q9H1A4	642	QMLVKWYNVHSAP
7025	Q9H1A4	670	LMNMMGYNTDRLA
7026	Q9H1A4	709	SDDDWEYLLNSDY
7027	Q9H1A4	715	YLLNSDYHQNVES
7028	Q9H1A4	770	FVLHLVYEELKLN
7029	Q9H1A4	862	GMPPYPYLPGICE
7030	Q9H1A4	880	VLSIALYILGDES
7031	Q9H1A4	960	PIRDAIYHCREQP
7032	Q9H1A4	1054	RVNVVQYPELSDH
7033	Q9H1A4	1172	AELANEYAGFLMA
7034	Q9H1A4	1196	TLNIHDYLTKGHE
7035	Q9H1A4	1261	VGIGLVYQGTahr
7036	Q9H1A4	1350	KHKSPSYQIKEGD
7037	Q9H1A4	1394	RAPDTMYLLDFVK
7038	Q9H1A4	1463	LSQAHVYIIAGAC
7039	Q9H1A4	1498	AKDFMTYLSAPNA
7040	Q9H1A4	1572	FLGGGRYSLSTSN
7041	Q9H1A4	1601	HSTDNRYHLQALR
7042	Q9H1A4	1610	QALRHLVLAEP
7043	Q9H1A4	1638	ALLEVTYKGTQWY
7044	Q9H1A4	1891	LACFLVYHSVPAP
7045	Q9H1D0	107	LNKLLKYEDCKVH
7046	Q9H1D0	318	PLTSTLYDLTEID
7047	Q9H1D0	587	IDGPANYNVDLPF
7048	Q9H1Y3	66	LLVLVLYYKFQRL
7049	Q9H1Y3	137	TLTVLAYERYIRV
7050	Q9H1Y3	222	GVIAHCYGHILYS
7051	Q9H211	170	GEKAPAYQRFHAL
7052	Q9H211	190	LVLPHYQVLAEM
7053	Q9H211	243	GQIKTVYPASYRF
7054	Q9H2D6	1854	YAVQRNYGFQIHT
7055	Q9H2D6	2321	RFTSGKYQDVYVE
7056	Q9H2D6	2325	GKYQDVYVELSHI
7057	Q9H2G4	87	EGGIRAYFTLGAE
7058	Q9H2G4	306	RHISMGYKMKLYF
7059	Q9H2G4	653	IYEEGNYYYYEGSE
7060	Q9H2K2	572	ACSYGHYEVAELL
7061	Q9H2K2	1060	MFGAGIYFAENSS
7062	Q9H2K2	1151	EQAYPEYLITYQI
7063	Q9H2K8	57	AIKKMSYSGKQTH
7064	Q9H2K8	256	FRRFVDYCLQKIP
7065	Q9H2K8	556	ESQKKQYKICKEK

7066	Q9H2W2	110	VFRRTR <b>Y</b> PDIHRL
7067	Q9H300	74	GTSGEA <b>Y</b> KRSALI
7068	Q9H300	227	HMAANM <b>Y</b> VLWSFS
7069	Q9H300	249	EQFMAV <b>Y</b> LSAGVI
7070	Q9H307	232	NAKIIK <b>Y</b> IRTKTK
7071	Q9H307	243	TKPHLF <b>Y</b> IPGRMC
7072	Q9H3Y6	60	QLFLAL <b>Y</b> DFTARC
7073	Q9H3Y6	87	LEEGGG <b>Y</b> IFARRL
7074	Q9H3Y6	121	LSDQPW <b>Y</b> FSGVSR
7075	Q9H3Y6	156	ESSLGG <b>Y</b> SLSVRA
7076	Q9H3Y6	169	QAKVCH <b>Y</b> RVSMAA
7077	Q9H3Y6	180	AADGSL <b>Y</b> LQKGRL
7078	Q9H3Y6	196	LEELLT <b>Y</b> YKANWK
7079	Q9H3Y6	197	EELLTY <b>Y</b> KANWKL
7080	Q9H3Y6	240	RKLGE <b>Y</b> FGVWE
7081	Q9H3Y6	299	SGGEPV <b>Y</b> IVTELM
7082	Q9H3Y6	340	VAEGMS <b>Y</b> LEEQRV
7083	Q9H3Y6	400	APEAAN <b>Y</b> RVFSQK
7084	Q9H3Y6	422	LHEVFT <b>Y</b> GQCPYE
7085	Q9H3Y6	427	TYGQCP <b>Y</b> EGMTNH
7086	Q9H3Y6	443	QQIMRG <b>Y</b> RLPRPA
7087	Q9H3Y6	456	ACPAEV <b>Y</b> VLMLEC
7088	Q9H3Z4	79	RNIYDK <b>Y</b> GSLGLY
7089	Q9H3Z4	120	GLLTCC <b>Y</b> CCCCLC
7090	Q9H3Z4	149	GEETEF <b>Y</b> VSPEDL
7091	Q9H400	145	AGLEAT <b>Y</b> SNVGLA
7092	Q9H400	235	LAGDLA <b>Y</b> QTLPLR
7093	Q9H425	32	ERKRFT <b>Y</b> FSSLSP
7094	Q9H425	54	EKIREK <b>Y</b> GPEWAR
7095	Q9H425	229	KVLPPC <b>Y</b> RQEPAP
7096	Q9H479	31	ISEGRAYD <b>Y</b> TDAGP
7097	Q9H479	113	MADLHL <b>Y</b> NQKLRE
7098	Q9H479	296	NHFGRE <b>Y</b> RSPSLG
7099	Q9H492	38	PVIER <b>Y</b> KGEKQL
7100	Q9H492	110	DEDGFL <b>Y</b> MVYASQ
7101	Q9H492	113	GFLYM <b>Y</b> VASQETF
7102	Q9H4X1	53	HERHFH <b>Y</b> EEHLER
7103	Q9H4X1	84	ESADSL <b>Y</b> RNSFSF
7104	Q9H5V8	57	LLAKPC <b>Y</b> IVISKR
7105	Q9H5V8	240	TLMSAN <b>Y</b> PEGFPE
7106	Q9H5V8	283	KEERVE <b>Y</b> YIPGST
7107	Q9H5V8	284	EERVE <b>Y</b> YIPGSTT
7108	Q9H5V8	345	NESNKI <b>Y</b> VVDLSN
7109	Q9H5V8	422	SCTDHR <b>Y</b> CQRKSY
7110	Q9H5V8	428	YCQRKS <b>Y</b> SLQVPS
7111	Q9H5V8	482	CNTSFS <b>Y</b> LVASAI
7112	Q9H5V8	494	IPSQDL <b>Y</b> FGSFCP
7113	Q9H5V8	540	TVSFIP <b>Y</b> FKEEGV
7114	Q9H5V8	558	DTKSKV <b>Y</b> LRTPNW
7115	Q9H5V8	707	GPAVG <b>Y</b> IYNDNINT
7116	Q9H5V8	743	IEDTMV <b>Y</b> GHLLQD
7117	Q9H5V8	762	QPEVDT <b>Y</b> RPFQGT
7118	Q9H5V8	806	ESESEP <b>Y</b> TFSHPN
7119	Q9H706	30	DLLVST <b>Y</b> RLPQIA
7120	Q9H706	52	GLREND <b>Y</b> LLIHSC
7121	Q9H706	74	SLEEGH <b>Y</b> VIGPKI
7122	Q9H706	86	IEIPVH <b>Y</b> AGQFKL
7123	Q9H706	121	AFPERV <b>Y</b> VMEDIT

7124	Q9H706	144	NEDTEV <b>Y</b> NITLCT
7125	Q9H706	164	GQAEIL <b>Y</b> AKTFKE
7126	Q9H706	260	PPPRNP <b>Y</b> DLHFIR
7127	Q9H706	271	IREGHR <b>Y</b> KFVNIQ
7128	Q9H706	339	QFDIDE <b>Y</b> SRAVRD
7129	Q9H706	374	VPNSLS <b>Y</b> ARDEL
7130	Q9H706	391	RLSVCV <b>Y</b> GNNLHG
7131	Q9H706	423	PHDILP <b>Y</b> QDSGDS
7132	Q9H706	433	GDSGSD <b>Y</b> LFPEAS
7133	Q9H706	570	PSPTLS <b>Y</b> YSSGLH
7134	Q9H706	571	SPTLS <b>Y</b> YSSGLHN
7135	Q9H706	596	STPVSC <b>Y</b> PCNRVK
7136	Q9H706	630	LSWPNH <b>Y</b> SGASES
7137	Q9H706	650	LDPSRS <b>Y</b> SYPRQK
7138	Q9H706	652	PSRS <b>Y</b> SYPRQKTP
7139	Q9H706	701	CPKSAS <b>Y</b> SLESTD
7140	Q9H706	767	DLSEDQ <b>Y</b> FVKKGM
7141	Q9H706	781	DIFSAS <b>Y</b> PFSSPL
7142	Q9H7P6	93	KSKVTR <b>Y</b> LCFTRS
7143	Q9H7P6	176	KQAPPQ <b>Y</b> TFIGEL
7144	Q9H7P6	249	YQHSNL <b>Y</b> AISAMD
7145	Q9H7X0	136	DHCKAI <b>Y</b> LHVLTT
7146	Q9H7X0	164	HHYLP <b>Y</b> YSIRGV
7147	Q9H7X0	180	GFTYVL <b>Y</b> INGGHP
7148	Q9H7Z6	223	MKYEKS <b>Y</b> RFHLGQ
7149	Q9H7Z6	277	LDHKTL <b>Y</b> FDVEPF
7150	Q9H7Z6	361	DLGKLS <b>Y</b> RSYWSW
7151	Q9H8M9	24	SNILAA <b>Y</b> SFVSEN
7152	Q9H8M9	37	PERAAL <b>Y</b> FVSGVC
7153	Q9H8S9	26	PEGSHQ <b>Y</b> ELLKHA
7154	Q9H8S9	93	MSAGPR <b>Y</b> EYHWAD
7155	Q9H8S9	114	KCSAPK <b>Y</b> IDYLMT
7156	Q9H8V3	172	FSCRPL <b>Y</b> CTSMMN
7157	Q9H8V3	352	RAGETM <b>Y</b> LYEKAN
7158	Q9H8V3	547	KDLVKT <b>Y</b> PPFVNF
7159	Q9H8Y8	17	GGGTEG <b>Y</b> HVLRVQ
7160	Q9H8Y8	164	AKPLKL <b>Y</b> VYNTDT
7161	Q9H8Y8	166	PLKLYV <b>Y</b> NTDTDN
7162	Q9H9B4	54	RKIVHD <b>Y</b> RQGIVP
7163	Q9H9B4	73	ELWRAK <b>Y</b> IYDSAF
7164	Q9H9B4	133	FNAVVN <b>Y</b> TNRSGD
7165	Q9HAW4	81	SPEKTT <b>Y</b> DSAEED
7166	Q9HAW4	843	EDSQDL <b>Y</b> NASPEP
7167	Q9HAW4	887	RNHRNQ <b>Y</b> QALKPR
7168	Q9HB71	71	APITTG <b>Y</b> TVKISN
7169	Q9HB71	78	TVKISN <b>Y</b> GWDQSD
7170	Q9HB71	199	NVLKKI <b>Y</b> EDGDDD
7171	Q9HB75	651	RRLLE <b>Y</b> RGPEPS
7172	Q9HB75	724	RGQVSF <b>Y</b> RGAVPV
7173	Q9HB75	880	ELGRRK <b>Y</b> QDSIRR
7174	Q9HB96	394	TSFCAK <b>Y</b> TPVCS
7175	Q9HB96	396	FCAKYT <b>Y</b> PVCSAL
7176	Q9HB96	500	LTVMTK <b>Y</b> QANITE
7177	Q9HBH9	156	EEEDRF <b>Y</b> LVFEKM
7178	Q9HBH9	272	SEEASI <b>Y</b> DKRCDL
7179	Q9HBH9	292	YILLSG <b>Y</b> PPFVGR
7180	Q9HBL0	559	MVNGGG <b>Y</b> PYESAS
7181	Q9HBL0	796	GRSYSP <b>Y</b> DYQPC

7182	Q9HBL0	1345	QSSASGYQAPSTP
7183	Q9HBV2	149	PLNRFKYMWKLLR
7184	Q9HBV2	200	TIKFTVYTSSELQ
7185	Q9HBV2	269	EQSSVRVKDSTSL
7186	Q9HC16	59	IFRGQVYSELKYH
7187	Q9HC16	219	RGRHETYLCEVE
7188	Q9HC16	222	HETYLCYEVERMH
7189	Q9HC77	221	TCCFPSYVYPDPT
7190	Q9HC77	223	CFPSYVYPDPTQE
7191	Q9HC77	1096	EKYKKNYLPMQGN
7192	Q9HC98	152	ERTVWKYFVQLCS
7193	Q9HC98	224	RIHENGYNFKSDI
7194	Q9HC98	238	SLGCLLYEMAALQ
7195	Q9HCC9	10	RFRKWLYKPKRSD
7196	Q9HCC9	239	VCGLVVYADGPLN
7197	Q9HCC9	595	GVIGASYAAGLAK
7198	Q9HCE9	115	FFVTATYESLLRG
7199	Q9HCE9	150	CEEDFIYENVESE
7200	Q9HCE9	897	RQAQHRYQQQQR
7201	Q9HCN4	76	IRDTVKYKEVMKQ
7202	Q9HCN4	219	LNQETTYVSNLTR
7203	Q9HCN4	265	TSAAEEYEREYRP
7204	Q9HCQ7	41	LHSKENYDKYSEP
7205	Q9HCQ7	44	KENYDKYSEPRGY
7206	Q9HCQ7	162	CANDLFYSMTCQH
7207	Q9HCX4	502	ATEAQLYVDQHVQ
7208	Q9HCX4	603	MFNLYSYRGAKY
7209	Q9HCX4	791	KRLIKRYVLKAQV
7210	Q9HD40	429	MSHTNNYPCAYLN
7211	Q9HD40	433	NNYPCAYLNAASA
7212	Q9HD40	473	KESDDNYDKTEDV
7213	Q9NP72	78	TLTPSYYRGAQGV
7214	Q9NP72	88	QGVILVYDVTRRD
7215	Q9NP72	109	LNELETYCTRNDI
7216	Q9NP79	36	RDPVVAYYCRLYA
7217	Q9NP79	37	DPVVAYYCRLYAM
7218	Q9NP79	285	AGSALQYEDVSTA
7219	Q9NPD3	12	LLSDQGYRVDGRR
7220	Q9NPD3	76	ALVNCQYSSATFS
7221	Q9NPD3	135	QADGGTYAACVNA
7222	Q9NQ92	128	ADQGNPYDADDIQ
7223	Q9NQ92	155	PQGDMYDPSWHH
7224	Q9NQ92	168	PPPLIPYYSKMVF
7225	Q9NQC3	251	SFKEHEYLGNLST
7226	Q9NQC3	694	QETEAPYISIACD
7227	Q9NQC3	1057	TISFRIYKGVIIQA
7228	Q9NQC7	376	KSKNTWYIDEVAE
7229	Q9NQC7	653	PLRIYGVCATKI
7230	Q9NQC7	947	DAYMCMYQSPTMS
7231	Q9NQR1	98	QSKIYSYMSPNKC
7232	Q9NQR1	312	DPSTGCYMYFQY
7233	Q9NQR1	318	YMYFQYLSKTYC
7234	Q9NQS7	322	QVLAQKYSLVAKQ
7235	Q9NQS7	453	ARRKRSYKQAVSE
7236	Q9NQS7	822	KINPDNYGMDLNS
7237	Q9NQT5	109	DSQQKRYVPVKGD
7238	Q9NQT5	143	EPASLSYLSFEGA
7239	Q9NQT5	225	QEVGKLYPLEIVF

7240	Q9NQT8	154	VSYMEI <b>Y</b> NEKVRD
7241	Q9NQT8	1450	SNLAAS <b>Y</b> LNPVKS
7242	Q9NQT8	1758	FRCNPG <b>Y</b> GLLVRP
7243	Q9NQX4	747	RAGQVA <b>Y</b> LEKLRL
7244	Q9NQX4	889	LNIQLT <b>Y</b> RVQRLQ
7245	Q9NQX4	1559	QQLSYF <b>Y</b> TTMCQN
7246	Q9NR20	52	KNQLSP <b>Y</b> EQSEIL
7247	Q9NR20	60	QSEILG <b>Y</b> AELWFL
7248	Q9NR20	92	DDEHGF <b>Y</b> LKVLHD
7249	Q9NR20	102	LHDHIA <b>Y</b> RYEVLE
7250	Q9NR20	104	DHIA <b>Y</b> RYEVLETI
7251	Q9NR20	164	KDKDNT <b>Y</b> NVVHMK
7252	Q9NR20	174	HMKDFF <b>Y</b> FRNHFC
7253	Q9NR20	191	LLGINL <b>Y</b> ELMKNN
7254	Q9NR20	239	PENIVL <b>Y</b> QKGQAS
7255	Q9NR20	256	DFGSSC <b>Y</b> EHQKVY
7256	Q9NR20	262	YEHQKV <b>Y</b> TYIQSR
7257	Q9NR20	270	YIQSRF <b>Y</b> RSPEVI
7258	Q9NR20	281	VILGHP <b>Y</b> DVAIDM
7259	Q9NR20	298	CITAEL <b>Y</b> TGYPLF
7260	Q9NR20	301	AELYTG <b>Y</b> PLFPGE
7261	Q9NR20	356	NRGKKR <b>Y</b> PDSKDL
7262	Q9NR20	369	TMVLKT <b>Y</b> DTSFLD
7263	Q9NR22	76	MTSRDY <b>Y</b> FDSYAH
7264	Q9NR22	310	VHALVT <b>Y</b> FNIEFT
7265	Q9NR22	345	VFYLED <b>Y</b> LTVRRG
7266	Q9NR30	298	FYGGTP <b>Y</b> GGQFER
7267	Q9NR30	361	EILSV <b>Y</b> KKDSED
7268	Q9NR30	652	EMPNIS <b>Y</b> AWKELK
7269	Q9NR50	94	DSLRYI <b>Y</b> PKLKTD
7270	Q9NR50	124	VDLFR <b>Y</b> DASLAM
7271	Q9NR50	301	RSQVRC <b>Y</b> VHIMKE
7272	Q9NRD5	253	RLTIKK <b>Y</b> LDVKFE
7273	Q9NRD5	275	EMDDEE <b>Y</b> SCIALG
7274	Q9NRD5	294	STGNYE <b>Y</b> RLILRC
7275	Q9NRF9	47	ASVFVL <b>Y</b> ATSCAN
7276	Q9NRF9	92	KEALEA <b>Y</b> RREQKG
7277	Q9NRH2	8	AGFKRG <b>Y</b> DGKIAG
7278	Q9NRH2	322	ALETNR <b>Y</b> NHITAT
7279	Q9NRH2	329	NHITAT <b>Y</b> FLLAER
7280	Q9NRM7	135	IEAALE <b>Y</b> ISKMGY
7281	Q9NRM7	312	PPAAGL <b>Y</b> VPHPHH
7282	Q9NRM7	1051	FFDDNG <b>Y</b> PFRCPK
7283	Q9NRY4	185	KFVSNL <b>Y</b> NQLAKT
7284	Q9NRY4	305	MQASPE <b>Y</b> QDYVYL
7285	Q9NRY4	340	ERRRKL <b>Y</b> LAALPL
7286	Q9NRY4	416	VPAEQL <b>Y</b> EAHLEK
7287	Q9NRY4	473	WLEESV <b>Y</b> MDIYGK
7288	Q9NRY4	477	SVYMDI <b>Y</b> GKHQKQ
7289	Q9NRY4	504	EYSELF <b>Y</b> ELELDA
7290	Q9NRY4	626	CTNDDK <b>Y</b> VIDGKM
7291	Q9NRY4	633	VIDGKM <b>Y</b> ELSLRP
7292	Q9NRY4	665	HGCLCL <b>Y</b> NSKESL
7293	Q9NRY4	742	ASAGIG <b>Y</b> GRNINE
7294	Q9NRY4	840	ELSVLS <b>Y</b> HSSFSI
7295	Q9NRY4	855	SRLVHG <b>Y</b> IVFYSA
7296	Q9NRY4	859	HGYIVF <b>Y</b> SAKRKA
7297	Q9NRY4	954	IEATHM <b>Y</b> DNAAEA

7298	Q9NRY4	993	EDIEPSYSLFRED
7299	Q9NRY4	1058	TKGDLSYLDQGHR
7300	Q9NRY4	1246	ATWESNYFGVPLT
7301	Q9NRY4	1271	IERCIEYIEATGL
7302	Q9NRY4	1283	LSTEGIYRVSGNK
7303	Q9NRY4	1335	PDPLVPYNMQIDL
7304	Q9NRY4	1374	NHEVFKYVISHLN
7305	Q9NRY4	1421	LTATRTYQTIIEL
7306	Q9NRY4	1437	QCPFFFYNRPITE
7307	Q9NS18	104	ELDLLEYGNQFQD
7308	Q9NS18	113	QFQDALYKMTGER
7309	Q9NS18	154	PLVHQCYLKKSQR
7310	Q9NS28	139	LKAKAIYEKFIQT
7311	Q9NS28	181	AAQSRVYQLMEQD
7312	Q9NS28	189	LMEQDSYTRFLKS
7313	Q9NS56	374	FDQHANYDCPAPS
7314	Q9NS56	706	YKWEYTYYSRND
7315	Q9NS56	761	NHSEKYYYYERH
7316	Q9NS69	78	FVAQKMYRFSRAA
7317	Q9NUB1	366	FESTPVYPNAGRY
7318	Q9NUB1	543	RTEGGYQITGRM
7319	Q9NUB1	678	AEILSVYQCKDK
7320	Q9NUP9	58	EVYEHVYETVDIS
7321	Q9NUP9	118	EQNSPIYISRIIP
7322	Q9NUP9	173	VKLVRVYTPKVLE
7323	Q9NV92	105	QPGTGRYQVLLNE
7324	Q9NV92	186	ATSLPTYDEAEKA
7325	Q9NV92	262	NTIAGRYGAICGF
7326	Q9NV92	284	IVRFSDYFTGYFN
7327	Q9NV92	288	SDYFTGYFNGQYW
7328	Q9NV92	293	GYFNGQYWLWWIF
7329	Q9NV92	314	FRGFVNYLKVRNM
7330	Q9NVI1	469	LSNIVMYAPLVLQ
7331	Q9NVI1	487	VTEAFDYLSFLPL
7332	Q9NVI1	1225	KSKSLNYTGKKE
7333	Q9NVI7	421	LHSGMDYAIMTGG
7334	Q9NVI7	486	TLNAFLYRTGQHS
7335	Q9NVI7	540	RMFYDKYVLKPAT
7336	Q9NVJ2	85	RSMWERYCRGVNA
7337	Q9NVJ2	94	GVNAIVYMIDAAD
7338	Q9NVJ2	160	DREICCYSSISCKE
7339	Q9NVX2	128	FSPTGKYLASGSG
7340	Q9NVX2	299	MALSTDYALRTGA
7341	Q9NVX2	333	ERALSRYNLVRGQ
7342	Q9NW13	49	ACRGFGYVTFMML
7343	Q9NW13	441	TGTRNLYLAREGL
7344	Q9NW13	542	KGQSLGYAFAEFQ
7345	Q9NWH9	407	KNLFGKYGKVLSA
7346	Q9NWH9	427	SPGAKCYGIVTMS
7347	Q9NWH9	761	FGHGSDYSRQQNR
7348	Q9NWQ8	299	RFSSLSYKSREED
7349	Q9NWQ8	341	TVPESTYTSIQGD
7350	Q9NWZ3	204	GVVYKGYVNNTTV
7351	Q9NWZ3	262	DDLCLVYVYMPNG
7352	Q9NWZ3	413	EKTIEDYIDKKMN
7353	Q9NX09	72	PEEDTAYLDGVSL
7354	Q9NX09	136	ELLRLAYSEPCGL
7355	Q9NX09	222	VIKKKLYSSEQLL



7356	Q9NX76	28	RSGLAAYFFMGRL
7357	Q9NX76	89	LLILIVYCTPFYE
7358	Q9NX76	94	VYCTPFYERVDTT
7359	Q9NXV6	8	AQEVSEYLSQNPR
7360	Q9NXV6	115	VTDAPTYTTRDEL
7361	Q9NXV6	549	KICKRKYRGSEIE
7362	Q9NYA1	212	YRGRLAYLPVGRV
7363	Q9NYA1	289	GVMHLFYVRAGVS
7364	Q9NYA1	358	GQVHPNYFWMVSG
7365	Q9NYF0	267	KNGNDVYRYP SPL
7366	Q9NYF0	269	GNDVYRYP SPLHA
7367	Q9NYF0	749	EDEQSNYTTNCFG
7368	Q9NYF8	408	TEETEDYRQFRKS
7369	Q9NYF8	635	NERFTSYQKATEE
7370	Q9NYF8	839	EEWDPEYTPKSKK
7371	Q9NYL2	192	TCDTYSYGVVLWE
7372	Q9NYL2	715	RYPGKFYRVSQSA
7373	Q9NYL2	773	GWTKVEYRK KPHR
7374	Q9NYV4	246	ASYGQDYDLSPSR
7375	Q9NYV4	738	IIGEGTYGQVYKA
7376	Q9NYV4	968	DVIKLPYFNTMKP
7377	Q9NYV6	520	AAITNKYQLVFCY
7378	Q9NYV6	526	YQLVFCYTIERN
7379	Q9NYV6	578	KFIDPIYQVWEDM
7380	Q9NZ53	118	LGPTADYVFPDLT
7381	Q9NZ53	391	NLAGKNYIILNMT
7382	Q9NZ53	481	EIGIQNYSTTSSC
7383	Q9NZC7	34	KDGWVYANHTEE
7384	Q9NZC7	61	VAGDLPYGWEQET
7385	Q9NZC7	85	INKRTTYLDPRLA
7386	Q9NZC7	107	PTTRQRYDGSTTA
7387	Q9NZC7	238	NHLGHFYLVQLLQ
7388	Q9NZC7	293	YWAMLAYNRSKLC
7389	Q9NZC7	328	HPGNMMYSNIHRS
7390	Q9NZC7	338	HRSWWVYTL LFTL
7391	Q9NZC7	361	GAATTVYCAAVPE
7392	Q9NZC7	375	EGLGGMYFN NCCR
7393	Q9NZJ0	79	EGFVRLYNTESQS
7394	Q9NZJ0	252	RKNYTA YRQEPIA
7395	Q9NZJ0	712	MRKICTYFHRKSQ
7396	Q9NZJ5	186	SLLESSYKFGDDV
7397	Q9NZJ5	208	TYGLSAYS GKVRY
7398	Q9NZJ5	214	YSGKVR YICSALG
7399	Q9NZJ5	333	GHLEWEYQFCTPI
7400	Q9NZJ5	361	LFDDTSYTSNDDV
7401	Q9NZJ5	387	ATENSVYLGMYRG
7402	Q9NZJ5	391	SVYLGMYRGQLYL
7403	Q9NZJ5	396	MYRGQLYLQSSVR
7404	Q9NZJ5	464	KFSHEEY SNGALS
7405	Q9NZJ5	474	ALSILQYPYDNGY
7406	Q9NZJ5	476	SILQYPYDNGYYL
7407	Q9NZJ5	481	PYDNGY YLPYYKR
7408	Q9NZJ5	506	FLDNPHY NKNIRK
7409	Q9NZJ5	565	CQTENKYDSVSGE
7410	Q9NZJ5	589	SGYISR YLTDFEP
7411	Q9NZJ5	654	HPGIVRYFNAWLE
7412	Q9NZJ5	795	PSEASPYVRSRER
7413	Q9NZJ5	883	PSSPKVYLYIQMQ



7414	Q9NZJ5	885	SPKVYL <b>Y</b> IQMQLC
7415	Q9NZJ5	978	LTPMPA <b>Y</b> ARHTGQ
7416	Q9NZJ5	990	QVGTKL <b>Y</b> MSPEQI
7417	Q9NZJ5	1001	QIHGNS <b>Y</b> SHKVDI
7418	Q9NZJ5	1019	ILFELL <b>Y</b> PFSTQM
7419	Q9NZJ5	1051	QKYPCE <b>Y</b> VMVQDM
7420	Q9NZN3	253	PEVIRV <b>Y</b> IGSFWS
7421	Q9NZN3	426	GPFGHG <b>Y</b> GEGAGE
7422	Q9NZN3	453	MYDEIF <b>Y</b> TLSPVD
7423	Q9NZT1	13	PEEEAQ <b>Y</b> KKAFSA
7424	Q9NZT1	136	QDGRVN <b>Y</b> EEFARM
7425	Q9NZU7	244	DKDKDG <b>Y</b> INCRDL
7426	Q9NZU7	259	CMRTMG <b>Y</b> MPTME
7427	Q9P013	30	SQLSKQ <b>Y</b> SSRDLP
7428	Q9P013	43	SHTKIK <b>Y</b> RQTTQD
7429	Q9P0L2	60	QPHIGN <b>Y</b> RLQKTI
7430	Q9P0L2	627	ERRSVA <b>Y</b> NGPPAS
7431	Q9P0L2	732	DANNC <b>Y</b> EQKERF
7432	Q9P126	61	SVMQRN <b>Y</b> LQGENE
7433	Q9P126	83	AKRFCQ <b>Y</b> VVKQSE
7434	Q9P126	108	CDTNWR <b>Y</b> YGDSCY
7435	Q9P126	109	DTNWR <b>Y</b> YGDSCYG
7436	Q9P126	114	YYGDSC <b>Y</b> GFFRHN
7437	Q9P126	129	WEESKQ <b>Y</b> CTDMNA
7438	Q9P126	148	NRNIVE <b>Y</b> IKARTH
7439	Q9P126	197	GNMNCA <b>Y</b> FHNGKM
7440	Q9P126	213	FCENKH <b>Y</b> LMCERK
7441	Q9P1Z0	309	VGGHVL <b>Y</b> VCAACE
7442	Q9P1Z0	351	VFALAE <b>Y</b> RTKHEV
7443	Q9P1Z0	522	PPKKRE <b>Y</b> PPPPPE
7444	Q9P2R3	211	MSAQL <b>Y</b> KMIKSK
7445	Q9P2R3	553	LHMAIA <b>Y</b> NHPDVV
7446	Q9P2R3	1111	CDGSYC <b>Y</b> ECTARF
7447	Q9P2Y5	125	GGKENI <b>Y</b> QLLIEW
7448	Q9P2Y5	329	SELSYI <b>Y</b> PIDLNE
7449	Q9P2Y5	516	ENERLQ <b>Y</b> KTPPPS
7450	Q9UBC9	106	KVPEPG <b>Y</b> TKVPEP
7451	Q9UBC9	138	KVPEQG <b>Y</b> TKVPVP
7452	Q9UBC9	146	KVPVPG <b>Y</b> TKLPEP
7453	Q9UBF8	147	ISMAIS <b>Y</b> LYNSKE
7454	Q9UBF8	397	SKDKAP <b>Y</b> LIYVEV
7455	Q9UBF8	728	DGDMFN <b>Y</b> YKMLML
7456	Q9UBK5	32	SSLPAF <b>Y</b> PGTSGS
7457	Q9UBL3	489	GDVLGF <b>Y</b> INLPED
7458	Q9UBL3	544	HSEIIF <b>Y</b> KNGVNQ
7459	Q9UBL3	569	FPAISL <b>Y</b> KSCTVS
7460	Q9UBN4	14	RNVNAP <b>Y</b> RDR IPL
7461	Q9UBN4	36	SPSEKA <b>Y</b> LNAVEK
7462	Q9UBN4	45	AVEKGD <b>Y</b> ASVKKS
7463	Q9UBN4	58	LEEAEI <b>Y</b> FKININ
7464	Q9UBN4	95	LLSFNV <b>Y</b> VGDALL
7465	Q9UBN4	155	AAHTNN <b>Y</b> EIIKLL
7466	Q9UBN4	241	NEFKSE <b>Y</b> EELSRQ
7467	Q9UBN4	271	LEIILN <b>Y</b> RDDNSL
7468	Q9UBN4	295	LKLAIK <b>Y</b> RQKEFV
7469	Q9UBN4	347	PVFSVC <b>Y</b> LIAPKS
7470	Q9UBN4	373	ICHTAS <b>Y</b> LTFLFL
7471	Q9UBN4	429	DGGLQD <b>Y</b> IHDWWN

7472	Q9UBN4	445	FVMNSL <b>Y</b> LATISL
7473	Q9UBN4	459	IIVAFVK <b>Y</b> SALNPR
7474	Q9UBN4	538	NGLNQL <b>Y</b> FYYEET
7475	Q9UBN4	540	LNQLYF <b>Y</b> YEETKG
7476	Q9UBN4	541	NQLYFY <b>Y</b> EETKGL
7477	Q9UBN4	582	FGLINL <b>Y</b> VTNVKA
7478	Q9UBN4	604	ATMFGT <b>Y</b> NVISLV
7479	Q9UBN4	624	AMMNNS <b>Y</b> QLIADH
7480	Q9UBN4	646	TKLWMS <b>Y</b> FEEGGT
7481	Q9UBN4	668	SPKSLW <b>Y</b> LIKWIW
7482	Q9UBN4	706	LRRHHQ <b>Y</b> QEVMRN
7483	Q9UBN4	717	RNLVKR <b>Y</b> VAA MIR
7484	Q9UBP6	50	MDWSEL <b>Y</b> PEFFAP
7485	Q9UBP6	115	RVKVSD <b>Y</b> VQDRIR
7486	Q9UBP6	184	PTLLAE <b>Y</b> AYVLRV
7487	Q9UBQ5	32	LATLER <b>Y</b> VETQAK
7488	Q9UBQ5	42	QAKEN <b>Y</b> DLEANL
7489	Q9UBQ5	54	LAVLKL <b>Y</b> QFNPAF
7490	Q9UBR4	77	SRGESV <b>Y</b> CKDDFF
7491	Q9UBR4	111	RAQDFV <b>Y</b> HLCFA
7492	Q9UBR4	132	ATGDEF <b>Y</b> LMEDSR
7493	Q9UBR4	145	LVCKAD <b>Y</b> ETAKQR
7494	Q9UBR4	176	ETLKSA <b>Y</b> NTSPKP
7495	Q9UBR4	273	GPANGL <b>Y</b> GSLGEP
7496	Q9UBR4	306	LAGPEQ <b>Y</b> REL RPG
7497	Q9UBR4	315	LRPGSP <b>Y</b> GVPPSP
7498	Q9UBR4	339	LLSSLV <b>Y</b> PDTS LG
7499	Q9UBR4	378	TGSSGG <b>Y</b> PDFPAS
7500	Q9UBW8	75	VFAYGT <b>Y</b> ADYLAE
7501	Q9UBW8	137	LVIEAV <b>Y</b> ADVLRG
7502	Q9UBW8	156	QRLEVD <b>Y</b> SIGRDI
7503	Q9UD71	74	RPNPCA <b>Y</b> TPPSLK
7504	Q9UD71	116	ELRELG <b>Y</b> PREEDE
7505	Q9UER7	259	IEQRIP <b>Y</b> RGTRYP
7506	Q9UER7	264	PYRGTR <b>Y</b> PEVNRR
7507	Q9UER7	334	RHLDLI <b>Y</b> NFGCHL
7508	Q9UEW8	125	PNVVTY <b>Y</b> TSFVVK
7509	Q9UEW8	152	MLDIIK <b>Y</b> IVNRGE
7510	Q9UEW8	306	KEMMKK <b>Y</b> GKSFRK
7511	Q9UG01	154	IYGTES <b>Y</b> VVSLTT
7512	Q9UG01	461	DNKKLA <b>Y</b> LIDIKT
7513	Q9UG01	1670	RDERGA <b>Y</b> EASLVA
7514	Q9UGC7	156	FDMYQQ <b>Y</b> A AFKRW
7515	Q9UGC7	169	HFETLE <b>Y</b> FPSELG
7516	Q9UGC7	327	SEKIRT <b>Y</b> NFPQNR
7517	Q9UGK3	21	GVLPSH <b>Y</b> YESFLE
7518	Q9UGK3	36	GPCDRD <b>Y</b> KKFWAG
7519	Q9UGK3	49	LQGLTI <b>Y</b> FYNSNR
7520	Q9UGK3	51	GLTIYF <b>Y</b> NSNRDF
7521	Q9UGK3	133	LLPGHL <b>Y</b> MMSEVL
7522	Q9UGK3	169	QLLLER <b>Y</b> PECGNL
7523	Q9UGK3	204	THVVRH <b>Y</b> KVKREG
7524	Q9UGK3	213	KREGPK <b>Y</b> VIDVEQ
7525	Q9UGK3	232	LDAVVN <b>Y</b> FVSHTK
7526	Q9UGK3	256	YEKVLG <b>Y</b> VEADKE
7527	Q9UH99	69	SDAHTS <b>Y</b> YSESLV
7528	Q9UH99	687	APTMAT <b>Y</b> QVVELR
7529	Q9UH99	703	NWGHPE <b>Y</b> TCIYRF

7530	Q9UHD1	26	SDDACTYHPGVPV
7531	Q9UHD1	178	LEEVCVYHSGVPI
7532	Q9UHD1	191	FHEGMKYWSCCR
7533	Q9UHD2	95	CPCGSLYTVLEEP
7534	Q9UHD2	198	KDHQKKYGATVDL
7535	Q9UHD2	563	NCMTEIYYQFKKD
7536	Q9UHM6	330	AHVLTPYMSSVPA
7537	Q9UHM6	350	IHNPIIYAITHPK
7538	Q9UHM6	382	RRHSRPYPSYRST
7539	Q9UHP3	69	QQEETTYQTALP
7540	Q9UHP3	159	RDSRNPYDRKRQD
7541	Q9UHP3	227	FMRELRYLFALLV
7542	Q9UHP3	239	VGTKRKYVDPSRA
7543	Q9UHP3	300	PMVELFYGRFLAV
7544	Q9UHP3	323	TEMFGQYPLQVNG
7545	Q9UHP3	425	IKRLKDYLTVLQQ
7546	Q9UHP3	436	QQRLELYLSYGSG
7547	Q9UHP3	454	LVDVLQYALEFAS
7548	Q9UHP3	581	RTIELMYSDKSMI
7549	Q9UHP3	591	SMIQVPYRLHAVL
7550	Q9UHP3	608	QANAGHYWAYIFD
7551	Q9UHP3	623	ESRWMKYNDIAVT
7552	Q9UHP3	650	YRNASAYCLMYIN
7553	Q9UHP3	654	SAYCLMYINDKAQ
7554	Q9UHP3	785	SAIKLEYARLVKL
7555	Q9UHP3	802	TPPETDYRLHHVV
7556	Q9UHP3	810	LHHVVVYFIQNQA
7557	Q9UHP3	880	FRETTMYLIIGLE
7558	Q9UHP3	893	NFQRESYIDSLLF
7559	Q9UHP3	904	LFLICAYQNNKEL
7560	Q9UHP3	916	LLSKGLYRGHDEE
7561	Q9UHP3	927	EELISHYRRECLL
7562	Q9UHP3	1031	PPKLPSYSTHEL
7563	Q9UIA9	19	NLCKQLYETTDTT
7564	Q9UIA9	393	LAASVPYVKATEP
7565	Q9UIA9	454	TIGRCEYEKTCAL
7566	Q9UIB8	62	SKTSVAYVTPGDS
7567	Q9UIB8	81	TVTHRNYERIHA
7568	Q9UIB8	82	VTHRNYERIHAL
7569	Q9UIB8	92	HALGPNYNLVISD
7570	Q9UIB8	107	MEDAGDYKADINT
7571	Q9UIB8	118	NTQADPYTTTKRY
7572	Q9UIB8	124	YTTTKRYNLQIYR
7573	Q9UIB8	129	RYNLQIYRRLGKP
7574	Q9UIB8	166	EEKNVTYNWSPLG
7575	Q9UIB8	191	EDQELTYTCTAQN
7576	Q9UIB8	271	TFTKNPYAASKKT
7577	Q9UIB8	279	ASKKTIYTYIMAS
7578	Q9UIB8	281	KKTIYTYIMASRN
7579	Q9UIF9	34	SSGEGLYTNGSPM
7580	Q9UIF9	89	HHPSVAYDCLWNY
7581	Q9UIF9	168	FDSQELYDSFPDQ
7582	Q9UJ70	97	LRDRFPYLSESYL
7583	Q9UJ70	102	PYLSESYLITTD
7584	Q9UJ70	157	GDEGSAYWIAHQA
7585	Q9UJ70	183	APHDIGYVKQAMF
7586	Q9UJ70	191	KQAMFHYFQVPDR
7587	Q9UJ70	233	GDPLSRYIFRKAG

7588	Q9UJ70	331	HLLPMD <b>Y</b> SANAIA
7589	Q9UJQ4	170	TPQDIS <b>Y</b> LAKGKV
7590	Q9UJQ4	386	YKHKCK <b>Y</b> CSKVFG
7591	Q9UJQ4	528	PGVGN <b>Y</b> NSPRAG
7592	Q9UJX2	87	AQDMDA <b>Y</b> TLAKAY
7593	Q9UJX2	93	YTLAKA <b>Y</b> FDVKEY
7594	Q9UJX2	115	CNSKKA <b>Y</b> FLYMYS
7595	Q9UJX2	118	KKAYFL <b>Y</b> MYSRYL
7596	Q9UJX2	123	LYMYSR <b>Y</b> LSGEKK
7597	Q9UJX2	175	GFGLYL <b>Y</b> GVVLRK
7598	Q9UJX2	238	FFLAHI <b>Y</b> TELQLI
7599	Q9UJX2	264	GFSKSS <b>Y</b> IVSQIA
7600	Q9UJX2	308	TFSNLL <b>Y</b> VRS MKS
7601	Q9UJX2	318	MKSELS <b>Y</b> LAHNLC
7602	Q9UJX2	329	LCEIDK <b>Y</b> RVETCC
7603	Q9UJX2	340	CCVIGN <b>Y</b> YSLRSQ
7604	Q9UJX2	364	LKLNPR <b>Y</b> LGAWTL
7605	Q9UJX2	375	TLMGHE <b>Y</b> MEMKNT
7606	Q9UJX2	388	SAAIQ <b>Y</b> RHAIEV
7607	Q9UJX2	403	RDYRAW <b>Y</b> GLGQTY
7608	Q9UJX2	409	YGLGQT <b>Y</b> EILKMP
7609	Q9UJX2	420	MPFYCL <b>Y</b> YYRRAH
7610	Q9UJX2	460	KCYWRA <b>Y</b> AVGDVE
7611	Q9UJX2	490	EQAAQC <b>Y</b> IKYIQD
7612	Q9UJX2	498	KYIQDI <b>Y</b> SCGEIV
7613	Q9UJX2	515	ESTAFR <b>Y</b> LAQYYF
7614	Q9UJX2	519	FRYLAQ <b>Y</b> YFKCKL
7615	Q9UJX2	520	RYLAQ <b>Y</b> YFKCKLW
7616	Q9UJX4	161	YTALQQ <b>Y</b> FQNGEK
7617	Q9UJX4	348	HCLSWL <b>Y</b> VLGQKR
7618	Q9UJX4	721	YFQARL <b>Y</b> HTLGKT
7619	Q9UJX5	129	SVLTSF <b>Y</b> NAEDES
7620	Q9UJX5	149	PTLPKN <b>Y</b> SNTSKI
7621	Q9UJX5	188	SGFIEL <b>Y</b> AYGMFK
7622	Q9UJX5	190	FIELYA <b>Y</b> GMFKIA
7623	Q9UJX5	233	GASEVS <b>Y</b> FQLETN
7624	Q9UJX5	242	LETNLL <b>Y</b> SFLPEV
7625	Q9UJX5	264	ISALLQ <b>Y</b> INLSLT
7626	Q9UJX5	341	QSIESS <b>Y</b> SSIQKL
7627	Q9UJX5	361	GSESL <b>Y</b> HLSLK
7628	Q9UJX5	376	ASWKQ <b>Y</b> EPLGLD
7629	Q9UJX5	422	AFFRWL <b>Y</b> VAMLRM
7630	Q9UJX5	478	VERVGQ <b>Y</b> LKDEDD
7631	Q9UJX5	498	TEGNQW <b>Y</b> DFLQNS
7632	Q9UJX5	516	SPLLF <b>Y</b> YPRKSL
7633	Q9UJX5	557	AICIP <b>Y</b> LRDTRSE
7634	Q9UJX5	585	KTSNLH <b>Y</b> LLFTIL
7635	Q9UJX5	596	ILED <b>Y</b> SLKMCILR
7636	Q9UJX5	625	KFGSFT <b>Y</b> ATTEKV
7637	Q9UJX5	636	KVRSI <b>Y</b> SCLDAQ
7638	Q9UJX5	644	CLDAQ <b>Y</b> DDETVT
7639	Q9UJX5	675	LPLSLV <b>Y</b> NSEDSA
7640	Q9UJX5	683	SEDSAE <b>Y</b> QFTGTY
7641	Q9UJX5	689	YQFTGT <b>Y</b> STRLDE
7642	Q9UJX5	721	ESMKAQ <b>Y</b> VAGNGF
7643	Q9UJX6	622	RAALEA <b>Y</b> CKKYEQ
7644	Q9UJX6	774	LSLDRI <b>Y</b> NMLRMF
7645	Q9UJX6	798	LQELQ <b>Y</b> LQKKVR

7646	Q9UJY1	12	MPFSCH <b>Y</b> PSRLRR
7647	Q9UJY1	118	VKTKDG <b>Y</b> VEVSGK
7648	Q9UJY1	174	APQVPP <b>Y</b> STFGES
7649	Q9UJZ1	113	LRIMDP <b>Y</b> KASYGV
7650	Q9UJZ1	282	LTVAEQ <b>Y</b> VSAFSK
7651	Q9UJZ1	316	AQAMGV <b>Y</b> GALTKA
7652	Q9UK32	102	PDAGQL <b>Y</b> AMKVLK
7653	Q9UK32	149	QTEGKL <b>Y</b> LILDFL
7654	Q9UK32	492	VFDDGR <b>Y</b> VYLVTD
7655	Q9UK55	185	FNLSKR <b>Y</b> FDTECV
7656	Q9UK55	270	IKVPM <b>Y</b> GAGKFA
7657	Q9UK55	292	HVLKLP <b>Y</b> QGNATM
7658	Q9UKG1	36	ATAISN <b>Y</b> MNQLYQ
7659	Q9UKG1	41	NYMNQL <b>Y</b> QAMHRI
7660	Q9UKG1	161	ENDKVK <b>Y</b> EVTEDV
7661	Q9UKI8	501	DEKKEN <b>Y</b> HKHACR
7662	Q9UKI8	669	IFFQCL <b>Y</b> GRKPFG
7663	Q9UKI8	733	QLANDP <b>Y</b> LLPHMR
7664	Q9UKM9	109	RAASAI <b>Y</b> SGYIFD
7665	Q9UKM9	116	SGYIFD <b>Y</b> DYYRDD
7666	Q9UKM9	124	YYRDDF <b>Y</b> DRLFDY
7667	Q9UKT5	88	LGSTNH <b>Y</b> WNETVR
7668	Q9UKT5	161	KSSRPM <b>Y</b> GAVTSF
7669	Q9UKT5	343	KRMPCF <b>Y</b> LAHELH
7670	Q9UKV3	1056	SHCFVT <b>Y</b> STVEEA
7671	Q9UKV3	1086	KFLCAD <b>Y</b> AEQDEL
7672	Q9UKV3	1225	KAAPCI <b>Y</b> WLPLTD
7673	Q9UKV8	21	PPPIQG <b>Y</b> AFKPPP
7674	Q9UKV8	55	IPKIDI <b>Y</b> HYELDI
7675	Q9UKV8	57	KIDIYH <b>Y</b> ELDIKP
7676	Q9UL25	99	NGAILV <b>Y</b> DITDED
7677	Q9UL25	150	IQEAES <b>Y</b> AESVGA
7678	Q9UL25	159	SVGAKH <b>Y</b> HTSAKQ
7679	Q9UL42	162	PLLPMR <b>Y</b> RKLRVF
7680	Q9UL42	254	RTAQVR <b>Y</b> LKTYQE
7681	Q9UL42	355	PEERDG <b>Y</b> GRWNHE
7682	Q9UL46	33	EAEFEL <b>Y</b> RFLPQK
7683	Q9UL46	42	LPQKII <b>Y</b> LNQLLQ
7684	Q9UL46	187	ETHVMD <b>Y</b> RALVHE
7685	Q9UL54	309	ELDNLQ <b>Y</b> RKMKKI
7686	Q9UL54	646	ELQCRQ <b>Y</b> KRKMLL
7687	Q9UL54	1003	VGLGAS <b>Y</b> LLLCTA
7688	Q9ULC4	79	QREGPF <b>Y</b> PTLRLL
7689	Q9ULC4	88	LRLHLK <b>Y</b> PFILPH
7690	Q9ULC4	169	GIENIH <b>Y</b> LNDGLW
7691	Q9ULV5	62	KEVLPQ <b>Y</b> FKHSNM
7692	Q9ULV5	78	VRQLNM <b>Y</b> GFRKVV
7693	Q9ULV5	473	PGALTI <b>Y</b> STPESR
7694	Q9ULV8	83	GDFLLI <b>Y</b> LANLEA
7695	Q9ULV8	144	LFPGGK <b>Y</b> CGHMYQ
7696	Q9ULV8	149	KYCGHM <b>Y</b> QLTKAP
7697	Q9ULV8	238	AVNHPG <b>Y</b> MAFLTY
7698	Q9ULV8	244	YMAFLT <b>Y</b> DEVQER
7699	Q9ULV8	261	RDKPGS <b>Y</b> IFRPSC
7700	Q9ULV8	277	GQWAIG <b>Y</b> VSSDGS
7701	Q9ULV8	307	GQKDG <b>Y</b> LYPDGK
7702	Q9ULV8	309	KDGFYL <b>Y</b> PDGKTH
7703	Q9ULV8	402	WEAVSI <b>Y</b> QFHGQA

7704	Q9UM07	97	KVQISY <b>Y</b> GPKTPP
7705	Q9UM07	463	QAPVKL <b>Y</b> SDWLSV
7706	Q9UM07	636	INDFFT <b>Y</b> HIRHGE
7707	Q9UM11	130	KKGLFT <b>Y</b> SLSTKR
7708	Q9UM11	148	GNDVSP <b>Y</b> SLSPVS
7709	Q9UM11	189	ELQDDF <b>Y</b> LNLDVW
7710	Q9UM21	242	TKQNL <b>DY</b> CFLMMY
7711	Q9UM21	248	YCFLMM <b>Y</b> AQEKGI
7712	Q9UM21	316	EFIFMF <b>Y</b> KEKPID
7713	Q9UM73	46	PREPLS <b>Y</b> SRLQRK
7714	Q9UM73	67	PSLFRV <b>Y</b> ARDLLL
7715	Q9UM73	240	PSPSPD <b>Y</b> FTWNLT
7716	Q9UM73	262	LSHRSR <b>Y</b> GLECSF
7717	Q9UM73	276	FPCELE <b>Y</b> SPPLHD
7718	Q9UM73	406	FRVALE <b>Y</b> ISSGNR
7719	Q9UM73	479	KLPVGF <b>Y</b> CNFEDG
7720	Q9UM73	587	VWHVAA <b>Y</b> EGLSLW
7721	Q9UM73	635	SISLDC <b>Y</b> LTISGE
7722	Q9UM73	705	AQCNN <b>Y</b> QNSNLS
7723	Q9UM73	734	VPATDT <b>Y</b> SISGYG
7724	Q9UM73	739	TYSISG <b>Y</b> GAAGGK
7725	Q9UM73	772	EKDDML <b>Y</b> ILVGQQ
7726	Q9UM73	826	GGGGAT <b>Y</b> VFKMKD
7727	Q9UM73	849	GGGGRA <b>Y</b> GAKTDT
7728	Q9UM73	966	SPLGIL <b>Y</b> TPALKV
7729	Q9UM73	984	EVNIK <b>H</b> YLNCSHC
7730	Q9UM73	1059	SGIMIV <b>Y</b> RRKHQE
7731	Q9UM73	1282	DIYRAS <b>Y</b> YRKGGC
7732	Q9UM73	1330	SLGYMP <b>Y</b> PSKSNQ
7733	Q9UM73	1359	NCPGPV <b>Y</b> RIMTQC
7734	Q9UM73	1401	TALPIE <b>Y</b> GPLVEE
7735	Q9UM73	1584	PCGNVN <b>Y</b> GYQQQG
7736	Q9UM73	1586	GNVNYG <b>Y</b> QQQGLP
7737	Q9UMD9	1067	ASHVVS <b>Y</b> LRTSGY
7738	Q9UMD9	1099	RDDVRQ <b>Y</b> LRQYLM
7739	Q9UMD9	1395	LLQGM <b>Y</b> TVQGPP
7740	Q9UMS4	406	FSENG <b>Y</b> YLATAAD
7741	Q9UMS4	449	FDQSGT <b>Y</b> LALGGT
7742	Q9UMS4	460	GTDVQI <b>Y</b> ICKQWT
7743	Q9UNE7	63	PLVAV <b>Y</b> YTNRALC
7744	Q9UNE7	230	KRDIPD <b>Y</b> LCGKIS
7745	Q9UNE7	252	TPSGIT <b>Y</b> DRKDIE
7746	Q9UNF1	425	EFVKQK <b>Y</b> LDYARV
7747	Q9UNF1	428	KQKYLD <b>Y</b> ARVPNS
7748	Q9UNF1	439	NSNPPE <b>Y</b> EFFWGL
7749	Q9UNL4	49	DKLATE <b>Y</b> MSSARS
7750	Q9UNL4	72	KQIQEA <b>Y</b> GKCKEF
7751	Q9UNL4	171	VRTSPE <b>Y</b> GMPSVT
7752	Q9UNS2	95	NGEHIR <b>Y</b> ATDTFA
7753	Q9UNS2	176	CKENG <b>Y</b> DAKHFL
7754	Q9UNS2	203	NFERAL <b>Y</b> FYEQAI
7755	Q9UP65	77	LLDAVT <b>Y</b> LAGVSG
7756	Q9UP65	169	EEGTLP <b>Y</b> PIFAAI
7757	Q9UP65	365	TTHNFL <b>Y</b> KHGGIR
7758	Q9UPN6	100	STFQNL <b>Y</b> RCPGDD
7759	Q9UPN6	1016	QEGDRD <b>Y</b> RFPPIE
7760	Q9UPN6	1110	HRVLPV <b>Y</b> GGPKGL
7761	Q9UPP1	383	EMQLKA <b>Y</b> EIEKRL



7762	Q9UPP1	558	PAGQLS <b>Y</b> NLMDTY
7763	Q9UPP1	852	KDAEYI <b>Y</b> PSLESD
7764	Q9UPT6	383	INTDSL <b>Y</b> HELSTA
7765	Q9UPT6	538	LMERNQ <b>Y</b> KERLME
7766	Q9UPT6	647	EQKREQ <b>Y</b> RQVREH
7767	Q9UPV0	73	DITGDI <b>Y</b> YFNFAN
7768	Q9UPV0	254	LGGDFE <b>Y</b> EESLRT
7769	Q9UPV0	1090	QSKEDL <b>Y</b> LDSLSS
7770	Q9UPY6	63	NEANNF <b>Y</b> IRANSL
7771	Q9UPY6	125	NPVADI <b>Y</b> NQSDKP
7772	Q9UPY6	140	LNILTP <b>Y</b> RDDKKD
7773	Q9UPY6	156	FYTDPS <b>Y</b> FFDLWK
7774	Q9UPY6	210	EWNMM <b>Y</b> DKELRP
7775	Q9UPY6	225	RLSQSV <b>Y</b> HGASSE
7776	Q9UPY6	250	DVTDYS <b>Y</b> PATPNH
7777	Q9UPY6	267	QPVT <b>Y</b> PSYAAGDVP
7778	Q9UPY6	286	QAAEHE <b>Y</b> RPPSAS
7779	Q9UPY6	327	PMA <b>Y</b> PADYGMLPAQ
7780	Q9UPY6	338	AQIIE <b>Y</b> YNPSGPP
7781	Q9UPZ9	15	QLGDGT <b>Y</b> GSVLLG
7782	Q9UPZ9	40	KMKRKF <b>Y</b> SWEECM
7783	Q9UPZ9	76	RENDHL <b>Y</b> FIFEYM
7784	Q9UPZ9	81	LYFIFE <b>Y</b> MKENLY
7785	Q9UPZ9	87	YMKENL <b>Y</b> QLIKER
7786	Q9UPZ9	107	AIRNIM <b>Y</b> QILQGL
7787	Q9UPZ9	156	IRSKPP <b>Y</b> TDYVST
7788	Q9UPZ9	165	YVSTRW <b>Y</b> RAPEVL
7789	Q9UPZ9	177	LLRSTN <b>Y</b> SSPIDV
7790	Q9UPZ9	194	CIMAEV <b>Y</b> TLRPLF
7791	Q9UPZ9	228	TDWPEG <b>Y</b> QLSSAM
7792	Q9UPZ9	281	ASQALR <b>Y</b> PFQVG
7793	Q9UPZ9	283	QALR <b>Y</b> PFQVGHP
7794	Q9UPZ9	316	KAGPPP <b>Y</b> IKPVPP
7795	Q9UPZ9	349	PPLHLT <b>Y</b> PYKAEV
7796	Q9UPZ9	351	LHLT <b>Y</b> PYKAEVSR
7797	Q9UPZ9	473	APTQTS <b>Y</b> QRRDTP
7798	Q9UPZ9	489	SAAKQH <b>Y</b> LKHSRY
7799	Q9UPZ9	495	YLKHSR <b>Y</b> LPGISI
7800	Q9UPZ9	555	SGLTGN <b>Y</b> VPSFLK
7801	Q9UPZ9	583	PDPSPG <b>Y</b> SSLKAM
7802	Q9UQ35	171	PEPPKP <b>Y</b> SLVRES
7803	Q9UQ35	967	SRLLR <b>Y</b> SHSGSS
7804	Q9UQ35	996	SGSISP <b>Y</b> PKVKAQ
7805	Q9UQ80	98	LKSDQD <b>Y</b> ILKEGD
7806	Q9UQ80	247	GQRTTI <b>Y</b> KRDPSK
7807	Q9UQ80	309	QPFNVL <b>Y</b> EKEGEF
7808	Q9UQ84	157	ADAQLA <b>Y</b> LNKAGI
7809	Q9UQ84	271	ITVPED <b>Y</b> INGFIR
7810	Q9UQ84	742	NKVPGL <b>Y</b> KSSSAD
7811	Q9UQC2	25	EKKLRR <b>Y</b> AWKKRW
7812	Q9UQC2	48	DPDVLE <b>Y</b> YKNDHS
7813	Q9UQC2	49	PDVLE <b>Y</b> YKNDHSK
7814	Q9UQC2	96	TSERTF <b>Y</b> LVAETE
7815	Q9UQC2	192	TSAPQE <b>Y</b> LYLHQC
7816	Q9UQC2	194	APQEYL <b>Y</b> LHQCIS
7817	Q9UQC2	249	GQVHGF <b>Y</b> SLPKPS
7818	Q9UQC2	324	ATPLSA <b>Y</b> QIPRTF
7819	Q9UQC2	409	ASSCET <b>Y</b> EYPQRG



7820	Q9UQC2	411	SCETYE <b>Y</b> PQRGGE
7821	Q9UQC2	476	DNSQSV <b>Y</b> IPMSPG
7822	Q9UQC2	491	HFDSLG <b>Y</b> PSTTLP
7823	Q9UQC2	563	NSSSSQ <b>Y</b> CRPIST
7824	Q9UQC2	584	GDSEEN <b>Y</b> VPMQNP
7825	Q9UQC2	614	STGSVD <b>Y</b> LALDFQ
7826	Q9UQC2	643	SDEKVD <b>Y</b> VQVDKE
7827	Q9UQE7	137	SRSNPY <b>Y</b> IVKQ GK
7828	Q9UQE7	225	MRRALE <b>Y</b> TIYNQE
7829	Q9UQE7	455	EELDRK <b>Y</b> YEVKNK
7830	Q9UQF2	269	HRDRIH <b>Y</b> QADVRL
7831	Q9UQF2	431	SAIGEE <b>Y</b> EEAPRP
7832	Q9UQF2	656	HPKNNK <b>Y</b> FGFITK
7833	Q9UQL6	246	LPLPGP <b>Y</b> DSRDDF
7834	Q9UQL6	364	PNQFSL <b>Y</b> TSPSLP
7835	Q9UQL6	626	EEPGAG <b>Y</b> KKLFSD
7836	Q9Y230	387	EMSEDA <b>Y</b> TVLTRI
7837	Q9Y230	401	LETSLR <b>Y</b> AIQLIT
7838	Q9Y230	442	ESRSTQ <b>Y</b> MKEYQD
7839	Q9Y232	86	LVRWKG <b>Y</b> DSEDDT
7840	Q9Y232	339	RQTESA <b>Y</b> RYRDIV
7841	Q9Y232	341	TESAYR <b>Y</b> RDIVVR
7842	Q9Y233	76	NMQGVV <b>Y</b> ELNSYI
7843	Q9Y233	207	IGILEL <b>Y</b> RHWGKE
7844	Q9Y233	300	HKNKEL <b>Y</b> SDLFDI
7845	Q9Y237	71	NEVAAQ <b>Y</b> SEDKAR
7846	Q9Y237	122	VKTKFG <b>Y</b> HIIMVE
7847	Q9Y241	12	GVSLPS <b>Y</b> EEDQGS
7848	Q9Y241	43	FAAIVAY <b>Y</b> GLYKLK
7849	Q9Y241	46	IVAYGL <b>Y</b> KLKSRG
7850	Q9Y259	216	MNLLEM <b>Y</b> SLKDEM
7851	Q9Y259	272	EYSSYN <b>Y</b> RGFDIG
7852	Q9Y259	316	LHFIRH <b>Y</b> LAEAKK
7853	Q9Y262	72	LIDQKV <b>Y</b> ELQASR
7854	Q9Y262	137	LYKELY <b>Y</b> RHIYAK
7855	Q9Y262	539	TKVARR <b>Y</b> GDFFIR
7856	Q9Y266	172	GADLPN <b>Y</b> RWTQTL
7857	Q9Y266	223	IIDGEL <b>Y</b> NEVKVE
7858	Q9Y266	292	MVEKMM <b>Y</b> DQRQKS
7859	Q9Y272	25	IPAKNC <b>Y</b> RMVILG
7860	Q9Y272	65	DFHRKF <b>Y</b> SIRGEV
7861	Q9Y272	72	SIRGEV <b>Y</b> QLDILD
7862	Q9Y283	219	LLNWQD <b>Y</b> EGRTPL
7863	Q9Y283	243	VDVLTS <b>Y</b> ESCNIT
7864	Q9Y283	295	GATPLH <b>Y</b> AAQSNF
7865	Q9Y285	310	GYGSQG <b>Y</b> KYNWKL
7866	Q9Y285	312	GSQGYK <b>Y</b> NWKLDE
7867	Q9Y285	488	VNLQMV <b>Y</b> DSPLCR
7868	Q9Y294	44	LEWKII <b>Y</b> VGSAES
7869	Q9Y294	53	SAESEE <b>Y</b> DQVLDS
7870	Q9Y294	101	VLITCT <b>Y</b> RGQEFI
7871	Q9Y295	108	VPGVIR <b>Y</b> KGAKIQ
7872	Q9Y295	212	KSILAE <b>Y</b> KIHNAD
7873	Q9Y295	240	VEGNRV <b>Y</b> IPCIYV
7874	Q9Y2I7	212	DLRACT <b>Y</b> CRKIAL
7875	Q9Y2I7	713	LKCSIE <b>Y</b> LYREET
7876	Q9Y2I7	1921	GVYRIG <b>Y</b> KNSQNN
7877	Q9Y2K2	8	PARIGY <b>Y</b> EIDRTI

7878	Q9Y2K2	548	AVQSST <b>Y</b> KDSNTL
7879	Q9Y2K2	623	QQQHML <b>Y</b> QQEQHH
7880	Q9Y2N7	89	EPLDAC <b>Y</b> LKALEG
7881	Q9Y2N7	264	IAEVAG <b>Y</b> SPDDL I
7882	Q9Y2N7	304	QAVTGQ <b>Y</b> RFLARS
7883	Q9Y2R2	68	DILPYD <b>Y</b> SRVELS
7884	Q9Y2R2	279	VQTQEQ <b>Y</b> ELVYNA
7885	Q9Y2R2	528	ALGVYS <b>Y</b> IPLVEN
7886	Q9Y2S0	57	LGNSLR <b>Y</b> MIMKNP
7887	Q9Y2S0	70	EVEFCG <b>Y</b> TTTHPS
7888	Q9Y2S0	121	EASIKD <b>Y</b> KDQKAS
7889	Q9Y2V2	63	ASQGPV <b>Y</b> KGVCKC
7890	Q9Y2V2	99	SDVEGE <b>Y</b> VPVEGD
7891	Q9Y2V2	109	EGDEVT <b>Y</b> KMCSIP
7892	Q9Y2W1	80	RGHNRG <b>Y</b> RRPYYF
7893	Q9Y2W1	704	SPREPG <b>Y</b> KAEGKY
7894	Q9Y2W1	880	TPKSKK <b>Y</b> YLHDDR
7895	Q9Y2W7	130	QGDATT <b>Y</b> AHFLFN
7896	Q9Y2W7	181	DINKDG <b>Y</b> ITKEEM
7897	Q9Y2W7	203	MMGRHT <b>Y</b> PILRED
7898	Q9Y2Z0	95	EYHEKN <b>Y</b> AAALET
7899	Q9Y2Z0	174	HQSKIK <b>Y</b> DWYQTE
7900	Q9Y2Z0	277	ADVKNL <b>Y</b> PSSSPY
7901	Q9Y365	148	DYIIMN <b>Y</b> SVKHPK
7902	Q9Y365	185	KSCVIT <b>Y</b> LAQVDP
7903	Q9Y365	222	YKACLK <b>Y</b> PEWKQK
7904	Q9Y371	238	EAQMT <b>Y</b> YAQCYQY
7905	Q9Y371	259	GSFPSN <b>Y</b> LSNNNQ
7906	Q9Y371	316	ARVLYD <b>Y</b> DAANST
7907	Q9Y383	71	LALRAD <b>Y</b> EIASKE
7908	Q9Y383	173	REAEV <b>Y</b> RNSMPA
7909	Q9Y383	371	KDKKRS <b>Y</b> ESANGR
7910	Q9Y3A5	32	RFEIAC <b>Y</b> KNKVVG
7911	Q9Y3A5	142	AMKDIH <b>Y</b> SVKTNK
7912	Q9Y3A5	202	VIESED <b>Y</b> GQQLEI
7913	Q9Y3C5	40	QEPPPP <b>Y</b> QEQVPV
7914	Q9Y3C5	49	QVPVPV <b>Y</b> HPTPSQ
7915	Q9Y3C5	85	HLPKGV <b>Y</b> DPGRDG
7916	Q9Y3D6	38	KSTQFE <b>Y</b> AWCLVR
7917	Q9Y3D6	47	CLVRSK <b>Y</b> NDDIRK
7918	Q9Y3D6	82	YLAVG <b>Y</b> NRLKEYE
7919	Q9Y3P8	95	LYGNLH <b>Y</b> LQTGRL
7920	Q9Y3S1	406	QNAAQI <b>Y</b> RKVTCG
7921	Q9Y3S1	912	LPGQP <b>Y</b> VPAAFPQ
7922	Q9Y3S1	1231	PDEIAT <b>Y</b> MVEHDF
7923	Q9Y3Z3	146	QFQRLR <b>Y</b> IKQLGG
7924	Q9Y3Z3	155	QLGGGY <b>Y</b> VFP GAS
7925	Q9Y3Z3	450	ILKQIE <b>Y</b> RNLFKY
7926	Q9Y4E8	479	ERTLEV <b>Y</b> LVRMDP
7927	Q9Y4E8	550	MERDDI <b>Y</b> VFEINI
7928	Q9Y4E8	906	DDGKW <b>Y</b> YFDDSSV
7929	Q9Y4P1	143	KSIGQW <b>Y</b> GPNTVA
7930	Q9Y4P1	239	TDINEA <b>Y</b> VETLKH
7931	Q9Y4P1	269	AHYFIG <b>Y</b> VGEELI
7932	Q9Y4R8	600	YLTSQ <b>Y</b> FALNYSL
7933	Q9Y4R8	604	QFYALN <b>Y</b> SLRQRM
7934	Q9Y4R8	765	RFHIDA <b>Y</b> VRQGLL
7935	Q9Y4X4	328	EGCNKV <b>Y</b> TKSSHL

7936	Q9Y4X4	347	HTGEKP <b>Y</b> KCTWEG
7937	Q9Y4X4	368	DELTRH <b>Y</b> RKHTGV
7938	Q9Y4Z0	25	LKNGET <b>Y</b> NGHLVS
7939	Q9Y4Z0	60	WRMPEC <b>Y</b> IRGSTI
7940	Q9Y4Z0	68	RGSTIK <b>Y</b> L RIPDE
7941	Q9Y572	45	QHRKWG <b>Y</b> D VAVKI
7942	Q9Y572	185	PGGTLG <b>Y</b> LAPELF
7943	Q9Y572	205	STASDV <b>Y</b> SFGILM
7944	Q9Y572	453	RPLVNI <b>Y</b> NC SGVQ
7945	Q9Y572	465	QVGDNN <b>Y</b> LTMQQT
7946	Q9Y5A9	60	SYLPS <b>Y</b> SPSIGF
7947	Q9Y5A9	68	PSIGFS <b>Y</b> SLGEAA
7948	Q9Y5A9	85	GDTAMP <b>Y</b> LTSYGQ
7949	Q9Y5A9	153	SGYSSN <b>Y</b> AYAPSS
7950	Q9Y5A9	456	NGKGPV <b>Y</b> LLFSVN
7951	Q9Y5A9	547	LKIIAS <b>Y</b> KHTTSI
7952	Q9Y5B9	18	RRVKRL <b>Y</b> SNWRKG
7953	Q9Y5B9	46	VDEEIV <b>Y</b> AKSTAL
7954	Q9Y5B9	230	AIEEK <b>Y</b> LAGADP
7955	Q9Y5B9	565	MSVEGD <b>Y</b> TYLRIN
7956	Q9Y5B9	600	FVKEIT <b>Y</b> RASNIK
7957	Q9Y5B9	811	GFNGAP <b>Y</b> RSTCLL
7958	Q9Y5B9	975	EAEESD <b>Y</b> SKE SLG
7959	Q9Y5P4	181	VDTLQ <b>Y</b> FDACAD
7960	Q9Y5P4	430	EGEMKV <b>Y</b> RREVEE
7961	Q9Y5P4	461	GHEVCN <b>Y</b> FWNV DV
7962	Q9Y5P4	492	DNAIII <b>Y</b> QTHKRV
7963	Q9Y5P4	579	ILCKIT <b>Y</b> VANVNP
7964	Q9Y5P4	612	LKRFTS <b>Y</b> VQEKTA
7965	Q9Y5Q6	33	RLCGLE <b>Y</b> IRTVIY
7966	Q9Y5Q6	39	YIRTVI <b>Y</b> ICASSR
7967	Q9Y5Y2	128	AWGELD <b>Y</b> LVVDTP
7968	Q9Y5Y2	151	IEALRP <b>Y</b> QPLGAL
7969	Q9Y608	150	DLLSGL <b>Y</b> FDQRNY
7970	Q9Y608	207	ASLASL <b>Y</b> NGGLYN
7971	Q9Y608	225	TPSECS <b>Y</b> YSSRIS
7972	Q9Y608	348	SELRDI <b>Y</b> DLKDQI
7973	Q9Y608	379	SEVEEK <b>Y</b> KKAMVS
7974	Q9Y608	398	EKNNLI <b>Y</b> QVDTLK
7975	Q9Y657	91	SLYLIK <b>Y</b> DGFDCV
7976	Q9Y657	98	DGFDCV <b>Y</b> GLELNK
7977	Q9Y657	170	TWFYIT <b>Y</b> EKDPVL
7978	Q9Y657	185	YQLLDD <b>Y</b> KEGDLR
7979	Q9Y657	220	VGKQVE <b>Y</b> AKEDGS
7980	Q9Y657	254	DDDFHI <b>Y</b> VYDLVK
7981	Q9Y696	104	VLCPPK <b>Y</b> LKLSPK
7982	Q9Y696	128	FAKFS <b>Y</b> IKNSRP
7983	Q9Y696	154	LQKLDE <b>Y</b> LNSPLP
7984	Q9Y696	220	MTGIWR <b>Y</b> LTNAYS
7985	Q9Y696	225	RYLTNA <b>Y</b> SRDEFT
7986	Q9Y6E0	97	SPYVTK <b>Y</b> YGSYLK
7987	Q9Y6E0	101	TKYYGS <b>Y</b> LKDTKL
7988	Q9Y6E0	208	VIKQSA <b>Y</b> DSKADI
7989	Q9Y6E0	303	TELIDR <b>Y</b> KRWKAE
7990	Q9Y6E0	409	ELRGAI <b>Y</b> LAEEAC
7991	Q9Y6F6	271	NFDPLQ <b>Y</b> PETTPK
7992	Q9Y6F6	522	AFRND <b>Y</b> TLESRI
7993	Q9Y6F6	569	CEHRET <b>Y</b> QKLLED

7994	Q9Y6F6	620	ENLKRT <b>Y</b> EKDHA
7995	Q9Y6F6	757	RMEEEA <b>Y</b> SKGFQE
7996	Q9Y6F6	848	LGLYNS <b>Y</b> NSCAEQ
7997	Q9Y6G9	101	KGRGLE <b>Y</b> LYLNVH
7998	Q9Y6G9	278	RKFCLQ <b>Y</b> GAALIY
7999	Q9Y6G9	297	KNIDL <b>V</b> YKYIVQK
8000	Q9Y6G9	305	YIVQKL <b>Y</b> GFPYKI
8001	Q9Y6G9	309	KLYGFP <b>Y</b> KIPAVV
8002	Q9Y6I3	48	EIADLT <b>Y</b> NVVAFS
8003	Q9Y6I3	75	KNWRHV <b>Y</b> KAMTLM
8004	Q9Y6I3	83	AMTLME <b>Y</b> LIKTGS
8005	Q9Y6I3	111	TLKDFQ <b>Y</b> VDRDGK
8006	Q9Y6I3	548	PGAPPT <b>Y</b> ISPLGG
8007	Q9Y6K5	87	LDCFKS <b>Y</b> VDQRAR
8008	Q9Y6K5	609	LLVKHW <b>Y</b> RQVAAQ
8009	Q9Y6K5	917	VDLIHS <b>Y</b> SNAGEY
8010	Q9Y6K5	953	RLVKHW <b>Y</b> QQCTKI
8011	Q9Y6K5	1005	LELVTQ <b>Y</b> RQLCIY
8012	Q9Y6K5	1016	IYWTIN <b>Y</b> NAKDKT
8013	Q9Y6K9	241	HQLFQE <b>Y</b> DNHIKS
8014	Q9Y6K9	308	KAQADI <b>Y</b> KADFQA
8015	Q9Y6K9	374	LPPAP <b>A</b> YLLSSPLA
8016	Q9Y6K9	402	CCPKCQ <b>Y</b> QAPDMD
8017	Q9Y6M9	9	FLASGP <b>Y</b> LTHQQK
8018	Q9Y6M9	20	QKVLRL <b>Y</b> KRALRH
8019	Q9Y6M9	39	QRDKYR <b>Y</b> FACLMR
8020	Q9Y6M9	73	AEEEFW <b>Y</b> RQHPQP
8021	Q9Y6M9	91	SPGGTS <b>Y</b> ERYDCY
8022	Q9Y6M9	115	PSEKAM <b>Y</b> PDYFAK
8023	Q9Y6M9	118	KAMYPD <b>Y</b> FAKREQ
8024	Q9Y6N7	229	GKLMIT <b>Y</b> TRKSDA
8025	Q9Y6N7	238	KSDAGK <b>Y</b> VCVGTN
8026	Q9Y6N7	307	ELPKSR <b>Y</b> EIRDDH
8027	Q9Y6N7	328	AGDMGS <b>Y</b> TCVAEN
8028	Q9Y6N7	425	QRSDVG <b>Y</b> YICQTL
8029	Q9Y6N7	442	SIITKA <b>Y</b> LEVTDV
8030	Q9Y6N7	514	GVLQIR <b>Y</b> AKLGDT
8031	Q9Y6N7	594	GATPTS <b>Y</b> IIEAFS
8032	Q9Y6N7	630	LKPNAI <b>Y</b> LFLVRA
8033	Q9Y6N7	640	VRAANA <b>Y</b> GISDPS
8034	Q9Y6N7	711	QGYKIL <b>Y</b> RPSPAN
8035	Q9Y6N7	747	LRKGVN <b>Y</b> EIKARP
8036	Q9Y6N7	824	LGNETR <b>Y</b> HINKTV
8037	Q9Y6N7	848	LVPGIR <b>Y</b> SVEVAA
8038	Q9Y6N7	932	NGLTST <b>Y</b> AGIRKV
8039	Q9Y6N7	949	FTPTVT <b>Y</b> QRGGEA
8040	Q9Y6N7	1138	VPPTIP <b>Y</b> NQSYDQ
8041	Q9Y6N7	1142	IPYNQS <b>Y</b> DQNTGG
8042	Q9Y6N7	1202	HSNSEE <b>Y</b> NISVDE
8043	Q9Y6N7	1413	VAAAAE <b>Y</b> AGLKVA
8044	Q9Y6N7	1476	HLRRET <b>Y</b> TDDLPP
8045	Q9Y6N7	1529	DRKGSS <b>Y</b> KGREVL
8046	Q9Y6N7	1587	QEDILP <b>Y</b> CRPTFP
8047	Q9Y6N7	1636	MQVLGG <b>Y</b> ERGEDN
8048	Q9Y6Q9	144	SENV <b>T</b> Q <b>Y</b> LQYKQE
8049	Q9Y6Q9	158	LVNTSV <b>Y</b> NILHEE
8050	Q9Y6Q9	221	PEMRQR <b>Y</b> ETMQCF
8051	Q9Y6Q9	574	KSPLGF <b>Y</b> CDQNPV

8052	Q9Y6Q9	740	NNALLR <b>Y</b> LLDRDD
8053	Q9Y6Q9	1111	DQKAGL <b>Y</b> GQTYP A
8054	Q9Y6Q9	1390	QGNPAV <b>Y</b> SMVHMN
8055	Q9Y6R1	30	EGHHTI <b>Y</b> IGVHVP
8056	Q9Y6R1	64	ERISEN <b>Y</b> SDKSDI
8057	Q9Y6R1	579	ASFLVQ <b>Y</b> FTRFTE
8058	Q9Y6R1	610	MIKLAD <b>Y</b> YPINSN
8059	Q9Y6R1	621	SNFKVG <b>Y</b> NTLFSC
8060	Q9Y6R1	677	KKECSK <b>Y</b> GGNLVG
8061	Q9Y6R1	911	LYGVFL <b>Y</b> MGVASL