

Supporting Information S2. The benchmark dataset $S_{\xi=6}(T)$ used to train and test the model for predicting the possibility of phosphorylation at Thr site. It contains 10,662 samples, of which 923 are positive samples and 9,739 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 923 peptide samples in the positive subset $S_{\xi=6}^+(T)$

Sample #	Protein ID	Site	Sequences
1	O00257	497	LQVKPE T PASAAV
2	O00267	775	PMYGSQ T PMYGSG
3	O00267	784	YGSQSR T PMYGSQ
4	O00267	1034	EHLEPI T PTKNNK
5	O00399	186	TMKGSS T PVKNNN
6	O00418	348	LLQSAK T ILRGTE
7	O00418	353	KTILRG T EEKCGS
8	O00562	59	GGSGQY T HKVYHV
9	O00562	287	AASNTG T PDGPEA
10	O14607	887	DKLNPP T PSIYLE
11	O14672	719	PKPLPG T LKRRRP
12	O14713	38	GLSRSS T VASLDT
13	O14745	293	RSASSD T SEELNS
14	O14950	19	KRPQRA T SNVFAM
15	O14965	287	APSSRR T TLCGTL
16	O14965	288	PSSRRT T LCGTLD
17	O14974	443	RLGLRK T GSYGAL
18	O14974	696	RQSRRS T QGVTLT
19	O15162	161	GPSRPF T LRIIDN
20	O15232	442	ARRLV S T EDACGC
21	O15240	424	KRSQEE T PGHRRK
22	O15264	180	HADAEM T GYVVTR
23	O15350	27	SLEPDS T YFDLPQ
24	O15357	165	PLPAPE T PTAPAA
25	O15357	958	PREEPL T PRLKPE
26	O15392	34	LEGCAC T PERMAE
27	O15392	48	GFIHCP T ENEPDL
28	O15392	117	NKIAKE T NNKKKE
29	O15516	451	VSDPSS T PTKIPT
30	O15516	461	IPTDTS T PPRQHL
31	O15530	354	ENLHQ Q T PPKLTA
32	O15530	513	EAKNF K T FFVHTP
33	O43164	246	KSSAGD T EFVHQN
34	O43164	389	VITQRE T ENNQMT
35	O43255	26	PPQPQH T PSPAAP
36	O43255	119	TCRGAL T PSIRNL
37	O43257	103	EGPNYL T ACAGPP
38	O43318	184	TACDI Q T HMTNNK
39	O43318	187	DIQTHM T NNKGSA
40	O43493	302	TESGEE T DLISPP
41	O43524	32	SRPRSC T WPLQRP
42	O43524	179	SPDKRL T LSQIYE
43	O43526	217	MDRRGG T WKLLGS

44	043663	470	YGSAPR T PSKRRG
45	043663	481	RGLAPN T PGKARK
46	043663	616	SGILNS T NIQSSS
47	043683	609	AAQLAS T PFHKLP
48	060285	211	KDKFLQ T FCGSPL
49	060343	568	KAKRSL T SSLENI
50	060343	642	FRRRAH T FSHPPS
51	060566	792	RNSAEL T VIKVSS
52	060566	1008	NANDEA T VSVLGE
53	060566	1042	WKVGKL T SPGALL
54	060610	768	VLPPGL T PKKLYK
55	075367	129	KLEAII T PPPAKK
56	075367	178	DSTTEG T PADGFT
57	075449	133	GNNRST T VRVHRS
58	075531	2	MMMMMM T TSQKHR
59	075531	3	MMMMMT T SQKHRD
60	075533	142	FADGGK T PDPKMN
61	075533	203	KRRWDQ T ADQTPG
62	075533	207	DQTADQ T PGATPK
63	075533	211	DQTPGA T PKKLSS
64	075533	223	SWDQAE T PGHTPS
65	075533	227	AETPGH T PSLRWD
66	075533	244	RAKGSE T PGATPG
67	075533	248	SETPGA T PGSKIW
68	075533	257	SKIWDP T PSHTPA
69	075533	261	DPTPSH T PAGAAT
70	075533	267	TPAGAA T PGRGDT
71	075533	273	TPGRGD T PGHATP
72	075533	278	DTPGHA T PGHGGA
73	075533	296	KNRWDE T PKTERD
74	075533	299	WDETPK T ERDTPG
75	075533	303	PKTERD T PGHGSG
76	075533	313	GSGWAE T PRTDRG
77	075533	326	GDSIGE T PTPGAS
78	075533	328	SIGETP T PGASKR
79	075533	341	KSRWDE T PASQMG
80	075533	350	SQMGG S TPVLTPG
81	075533	354	GSTPVL T PGKTPI
82	075533	434	ARKLTA T PTPLGG
83	075533	436	KLTA T PTPLGGMT
84	075581	1479	SSSTKG T YFPAIL
85	075581	1493	PPPSPA T ERSHYT
86	075582	581	DNQPLK T PCFTLH
87	075582	700	SSNPLM T PDILGS
88	075689	276	FRKRWF T MDDRRL
89	075716	185	GSRQAL T LQDWAA
90	075821	38	KGIPLA T GDTSP
91	075821	41	PLATGD T SPEPEL
92	075822	109	EEPKVL T PEEQLA
93	076024	30	RSRLNA T ASLEQE
94	076061	254	EPSSRE T GRGAKG
95	094811	14	AKAANR T PPKSPG
96	094811	92	IDGRNV T VDVDI
97	094916	135	VQQHPS T PKRHTV
98	095071	637	YKRRRS T PAPKEE
99	095071	1115	KDARGM T PFMSAV
100	095071	1135	AITILE T AQKIAK
101	095071	1736	APSSTS T PAASSA

102	O95071	1969	QQTTLD T PQLERK
103	O95071	2030	RRSDSM T FLGCIP
104	O95071	2213	EPGSIL T ELGGFE
105	O95251	85	RSQQQP T PVTPKK
106	O95251	88	QQPTPV T PKKYPL
107	O95267	184	DWSRKL T QRIKSN
108	O95551	88	KTYVDL T NEETTD
109	O95551	92	DLTNEE T TDSTTS
110	O95714	647	GSDGCK T PKLIEK
111	O95714	1944	SAEDSD T EDDSEA
112	O95714	4827	SFASDS T QDYL TG
113	O95786	770	SILRLQ T WDEAVF
114	O95835	246	PQVRSV T PPPPPR
115	O95835	1079	HAFYEF T FRRFFD
116	O95863	203	GHVRTH T GKPFPS
117	O96017	68	SLETVS T QELYSI
118	O96017	383	ETSLMR T LCGTPT
119	O96017	387	MRTL CG T PTYLAP
120	P00740	205	VDYVNS T EAETIL
121	P01008	63	SPEKKA T EDEGSE
122	P01100	232	GLPEVA T PESEEA
123	P01100	325	ELEPLC T PVVTCT
124	P01100	331	TPVVTCT T PSCTAY
125	P01106	8	PLNVSF T NRNYDL
126	P01106	58	KFELLP T PPLSPS
127	P02765	319	HYDLRH T FMGVVS
128	P02768	107	VATLRE T YGEMAD
129	P02768	444	KVPQVS T PTLVEV
130	P02768	446	PQVSTP T LVEVSR
131	P03956	274	QPIGPQ T PKACDS
132	P04004	69	TRGDVF T MPED EY
133	P04004	76	MPED EY T VYDDGE
134	P04406	75	INGNPI T IFQERD
135	P04406	177	VEGLMT T VHAITA
136	P04406	182	TTVHAI T ATQKTV
137	P04406	184	VHAITA T QKTVDG
138	P04406	211	NIIPAS T GAAKAV
139	P04406	229	ELNGKL T GMAFRV
140	P04406	237	MAFRVP T ANVS VV
141	P04637	18	PPLSQE T FS DLWK
142	P04637	55	DIEQWF T EDPGPD
143	P04637	284	PGRDRR T EEENLR
144	P05067	729	LKKKQY T SIHHGV
145	P05067	743	EVDAAV T PEERHL
146	P05106	779	YKEATS T FTNITY
147	P05107	758	PLFKSA T TTVMNP
148	P05107	759	LFKSAT T TVMNPK
149	P05107	760	FKSATT T VMNPKF
150	P05412	2	MMMMMM T AKMETT
151	P05412	8	TAKMET T FYDDAL
152	P05412	89	SSNGHI T TTPTPT
153	P05412	91	NGHITT T PTPTQF
154	P05412	93	HITTT T PTPTQFLC
155	P05412	239	PEMPGE T PPLSPI
156	P05412	286	LEEKVK T LKAQNS
157	P05771	17	SEGEES T VRFARK
158	P05771	250	IWDWDL T SRNDFM
159	P05771	314	AKISQG T KVPEEK

160	P05771	324	EEKTTN T VSKFDN
161	P05771	500	DGVTTK T FCGTPD
162	P05771	504	TKTFCG T PDYIAP
163	P05771	635	NFDKEF T RQPVEL
164	P05771	642	RQPVEL T PTDKLF
165	P05814	18	LALARE T IESLSS
166	P06400	252	INGSPR T PRRGQN
167	P06400	356	SFETQR T PRKSNL
168	P06400	373	NVIPPH T PVRTVM
169	P06400	821	ISEGLP T PTKMTP
170	P06400	823	EGLPTP T KMTPRS
171	P06400	826	PTPTKM T PRSRIL
172	P06400	841	IGESFG T SEKFQK
173	P06702	113	PGLGEG T PPPPPP
174	P06748	75	GSPIKV T LATLKM
175	P06748	95	LGGFEI T PPVVLRL
176	P06748	199	KKSIRD T PAKNAQ
177	P06748	219	DSKPSS T PRSKGQ
178	P06748	234	FKKQEK T PKTPKG
179	P06748	237	QEKTPK T PKG PSS
180	P06748	279	KNCFRM T DQEA IQ
181	P07332	421	EREGGR T PTLEIL
182	P07358	418	DRNKRD T MVEDLV
183	P07900	5	MMMPEE T QTQDQP
184	P07900	7	MPEETQ T QDQ PME
185	P08047	278	VSAATL T PSSQAV
186	P08047	453	GPIIIR T PTVGPN
187	P08047	640	GKVYGK T SHLRAH
188	P08047	651	AHLRWH T GERPFM
189	P08047	668	YCGKRF T RSDELQ
190	P08047	681	RHKRTH T GEKKFA
191	P08047	739	EGSGTA T PSALIT
192	P08833	157	LWDAIS T YDGSKA
193	P08833	193	LAKAQE T SGEEIS
194	P08865	241	APEFTA T QPEVAD
195	P09603	266	SFEPPE T PVVKDS
196	P0DI83	69	PRVIFG T PRARVI
197	P10244	266	DLDAVR T PEPLEE
198	P10244	440	DSCNSL T PKSTPV
199	P10244	444	SLTPKS T PVK TLP
200	P10244	487	QKV VVT T PLHRDK
201	P10244	494	PLHRDK T PLHQKH
202	P10244	520	NTPHTP T PFKNAL
203	P10415	69	RDPVAR T SPLQTP
204	P10451	66	AVSSEE T NDFKQE
205	P10451	185	IQYPDA T DEDITS
206	P10451	190	ATDEDI T SHMESE
207	P10451	237	DDQSAE T SHKQS
208	P10636	470	GKTKIA T PRGAAP
209	P10636	498	TPPAPK T PPSSGE
210	P10636	522	SPGSPG T PGSRSR
211	P10636	529	PGSRSR T PSLPTP
212	P10636	534	RTPSLP T PPTREP
213	P10636	548	KVAVVR T PPKSPS
214	P10636	744	DSPQLA T LADEV S
215	P11171	60	KASNGD T PTHEDL
216	P11277	2110	VSHHAA T ERTSPV
217	P11309	114	CNDLHA T KLAPGK

218	P11388	282	KDKLDE T GNSLKV
219	P11388	1205	KAKGKK T QMAEVL
220	P11388	1343	SDFDEK T DDDEFV
221	P11388	1470	RKRKPS T SDDSDS
222	P13498	147	RPQIGG T IKQPPS
223	P13569	717	FSIVQK T PLQMNG
224	P13639	54	SARAGE T RFTDTR
225	P13639	57	AGETR F TDRKDE
226	P13639	59	ETRFTD T RKDEQE
227	P13639	435	IMGPNY T PGKKED
228	P15056	332	IGPQIL T SPSPSK
229	P15056	373	PNVHIN T IEPVNI
230	P15056	396	GDGGST T GLSATP
231	P15056	401	TTGLSA T PPASLP
232	P15056	753	ACASPK T PIQAGG
233	P15336	52	KHKHEM T LKFGPA
234	P15336	69	VIVADQ T PTPTRF
235	P15336	71	VADQTP T PTRFLK
236	P15336	73	DQTPT P TFLKNC
237	P15336	116	DLSP L A T PIIRSK
238	P15927	21	GGAGGY T QSPGGF
239	P15941	1224	YVPPSS T DRSPYE
240	P16066	532	SAGSRL T LSGRGS
241	P16066	545	NYGSL L T EGQFQ
242	P16401	11	APAETA T PAPVEK
243	P16401	39	AAKRKA T GPPVSE
244	P16401	138	KKPAGA T PKKAKK
245	P16401	155	KKAVKK T PKKAKK
246	P17096	39	PPVSPG T ALVGSQ
247	P17096	53	EPSEVP T PKRPRG
248	P17096	78	TRKTT T T P GRKPR
249	P17612	49	QFERIK T LGTGSF
250	P17612	196	KRVKGR T WTLCGT
251	P17612	198	VKGRTW T LCGTPE
252	P17612	202	TWTLCG T PEYLAP
253	P17661	17	VSSYRR T FGGAPG
254	P17676	226	SSGSL S T SSSSSP
255	P17676	235	SSSPPG T PSPADA
256	P17676	266	KSKAKK T VDKHSD
257	P18887	198	FSRINK T SPVTAS
258	P18887	202	NKTSPV T ASDPAG
259	P18887	257	NQEEKK T PSKPPA
260	P18887	453	SPQKPP T PEETKA
261	P18887	457	PPTPEE T KAASPV
262	P18887	488	AEDSGD T EDELRR
263	P18887	519	DPYAGS T DENTDS
264	P18887	523	GSTDEN T DSEEHQ
265	P19021	943	GFDRLS T EGSDQE
266	P19419	336	GPGPER T PGSGSG
267	P19419	353	APGPAL T PSLLPT
268	P19419	363	LPTH T L T PVLLTP
269	P19419	368	LTPVLL T PSSLPP
270	P19419	417	SVDGLS T PVVLSP
271	P19429	31	NYRAYA T EPHAKK
272	P19429	51	RKLQLK T LLLQIA
273	P19429	78	KGRALS T RCQPLE
274	P19429	129	TEIADL T QKIFDL
275	P19429	143	GKFKRP T LRRVRI

276	P19429	181	QVKKEDTEKENRE
277	P19525	88	VSPLLLTTNSSE
278	P19525	89	SPLLLTTNSSEGL
279	P19525	90	PLLLTTNSSEGL
280	P19525	255	LPDMKETKYTVDK
281	P19525	258	MKETKYTVDKRFG
282	P19525	446	KNDGKRTRSKGTL
283	P19525	451	RTRSKGTLRYMSP
284	P20020	1116	GLNRIQTQMDVVN
285	P20020	1203	IPLIDDDAEDDA
286	P21127	488	SLREINTILKAQH
287	P21127	595	SPLKAYTPVVVTL
288	P21453	236	TRSRRLTFRKNIS
289	P23246	687	RGMGPGTPAGYGR
290	P23327	76	ENKDVSTENGHHF
291	P23396	42	GVEVRVTPTRTEI
292	P23396	70	RRIRELTAVVQKR
293	P23396	221	DEILPTTPISEQK
294	P23396	242	MPQPVPAAAAAA
295	P23443	252	DGTVTHTFCGTIE
296	P23443	412	QVFLGFTYVAPSV
297	P23443	444	FIGSPRTPVSPVK
298	P24385	286	EVDLACTPTDVRD
299	P24864	77	PCSLIPTPKEDD
300	P24864	395	LPSGLLTPPQSGK
301	P25963	291	DEESYDTESEFTE
302	P25963	299	SEFTEFTEDELPY
303	P26651	92	ELSPSPTSPTATS
304	P26678	17	AIRRASTIEMPQQ
305	P27361	198	DPEHDHTGFLTEY
306	P27361	202	DHTGFLT EYVATR
307	P27361	207	LTEYVATRWYRAP
308	P27708	456	VYFLPITPHYVTQ
309	P27708	1884	EPELMGTPDGTCY
310	P28749	332	AEEEIGTPRKFTTR
311	P28749	369	RSFAPSTPLTGRR
312	P28749	385	EKEAVITPVASAT
313	P28749	997	KNGSGLTPRSALL
314	P29474	33	GKQGPATPAPEPS
315	P29474	495	GITRKKTFKEVAN
316	P29474	1175	VTSRIRTQSFSLQ
317	P29590	28	TMPPPETPSEGRQ
318	P29590	42	SPSPSPTERAPAS
319	P29590	409	SPEAASTPRDPID
320	P30260	205	ETVLTETPQDTIE
321	P30260	209	TETPQDTIELNRL
322	P30260	244	AVISPDVPLGTG
323	P30260	313	VIDVPS TGAPSKK
324	P30260	366	PQVLSPITSPPN
325	P30260	430	NDSLEITKLDSSI
326	P30260	446	GKISTITPQIQAF
327	P30291	190	LFDTPHTPKSLLS
328	P30291	239	VNINPFTPDLLLL
329	P30304	507	FRTKSR TWAGEKS
330	P30307	48	CPDVPRTPVGKFL
331	P30307	67	SILSGGTPKRCLD
332	P30307	130	AQLLCSTPNGLDR
333	P31645	276	IWKGVKTSKGVVW

334	P31645	613	RIIKSI T PETPTE
335	P31645	616	KSITPE T PTEIPC
336	P31751	309	DGATMK T FCGTPE
337	P31751	449	FTAQSI T ITPPDR
338	P31751	451	AQSITI T PPDRYD
339	P31949	10	ISSPTE T ERCIES
340	P34947	485	DIEQFS T VKGVNL
341	P35222	41	IHSGAT T TAPSLS
342	P35222	556	RTSMGG T QQQFVE
343	P35236	66	PICSVN T PREVTL
344	P35269	331	EEKKAP T PQEKKR
345	P35269	389	GNSRPG T PSAEGG
346	P35269	446	PPSGKT T PNSGDV
347	P35367	140	RYLKYR T KTRASA
348	P35367	142	LKYRTK T RASATI
349	P35367	279	LKSPSQ T PKEMKS
350	P35398	183	GEAEPL T PTYNIS
351	P35611	331	CEIQVR T LASAGG
352	P35611	445	KQQREK T RWLNSG
353	P35611	480	KEDGHR T STSAVP
354	P35612	55	EQKKRV T MILQSP
355	P35612	611	PAKEAE T KSPLVS
356	P35659	13	AAEGEG T PTQPAS
357	P35659	199	LPKSKK T CSKGSK
358	P35659	289	KKADSS T TKKNQN
359	P35659	290	KADSST T KKNQNS
360	P36507	394	RLNQPG T PTRTAV
361	P36507	396	NQPGTP T RTAVVV
362	P36871	185	NKFKPF T VEIVDS
363	P36871	467	ANDKVY T VEKADN
364	P36871	507	VFRLSG T GSAGAT
365	P38398	1394	QSDILT T QQRDTM
366	P38936	80	PKLYLP T GPRRGR
367	P38936	145	GRKRRQ T SMTDFY
368	P41235	166	VLSRQI T SPVSGI
369	P41235	429	PRGQAA T PETPQP
370	P41235	432	QAATPE T PQPSPP
371	P41279	80	SSVRYG T VEDLLA
372	P41279	290	PKDLRG T EIYMSP
373	P41743	3	MMMMMP T QRDSST
374	P41743	9	TQRDSS T MSHTVA
375	P41743	412	PGDTTS T FCGTPN
376	P41743	564	NEPVQL T PDDDDI
377	P42345	1162	IHPIVR T LDQSPE
378	P42345	2164	PSLQVI T SKQRPR
379	P42345	2173	QRPRKL T LMGSNG
380	P42345	2446	KRSRTR T DSYSAG
381	P43405	256	GLLRVL T VPCQKI
382	P43405	317	GNRQES T VSFNPY
383	P43405	345	EALPMD T EVYESP
384	P43405	384	GSGNFG T VKKGYI
385	P43405	530	NYYKAQ T HGKWPV
386	P43405	582	MKGSEV T AMLEKG
387	P45985	261	VDSIAK T RDAGCR
388	P46060	409	QGEKSA T PSRKIL
389	P46060	436	PPADV S TFLAFPS
390	P46527	157	IRKRPA T DDSSTQ
391	P46527	170	NKRANR T EENVSD

392	P46527	187	AGSVEQ T PKKPGL
393	P46527	198	GLRRRQ T TTTTTT
394	P46695	18	TILQAP T PAPSTI
395	P46695	123	AASLAP T PVSAVL
396	P46734	222	VDSVAK T MDAGCK
397	P46937	63	VRGDSE T DLEALF
398	P46937	110	HSRQAS T DAGTAG
399	P46937	119	GTAGAL T PQHVR
400	P46937	154	VSGPAA T PTAQHL
401	P46937	412	SYSVPR T PDDFLN
402	P49137	25	PPPQPP T PALPHP
403	P49137	222	SHNSLT T PCYTPY
404	P49137	334	STKVPQ T PLHTR
405	P49760	127	RRRRSR T FSRSSS
406	P49760	344	HSTIVS T RHYRAP
407	P49815	927	LLSFDD T PEKDSF
408	P49815	1330	LGMDRR T DAYSRS
409	P49815	1462	LRPRGY T ISDSAP
410	P50548	3	MMMMMK T PADTGF
411	P50548	7	MKTPAD T GFAFPD
412	P50548	441	SEEVEV T DISDED
413	P50548	526	EAGGPL T PRRVSS
414	P50552	278	ARRRKA T QVGEKT
415	P50552	316	WEKNST T LPRMKS
416	P50613	170	SPNRAY T HQVVTR
417	P50750	29	AKIGQG T FGEVFK
418	P50750	186	SQPNRY T NRVVT
419	P50750	350	RKGSQI T QQSTNQ
420	P50750	354	QITQQS T NQSRNP
421	P50750	362	QSRNPA T TNQTEF
422	P50750	363	SRNPAT T NQTEFE
423	P51575	389	LAATSS T LGLOEN
424	P51587	3387	RLKRR T CTSLIKE
425	P51617	66	ERSGQR T ASVLWP
426	P51617	209	CEISRG T HNFS
427	P51617	387	TQTVRG T LAYLPE
428	P51955	170	RILNHD T SFAKTF
429	P51955	175	DTSFAK T FVGTPY
430	P51955	179	AKTFVG T PYYMSP
431	P52630	294	YQDDPL T KGVDLR
432	P52630	800	DLRHLN T EPMEIF
433	P52732	458	SDLQNK T QLETT
434	P52732	926	DIPTGT T PQRKSY
435	P53350	6	MMSAAV T AGKLAR
436	P53350	210	DGERKK T LCGTPN
437	P53350	214	KKTLCG T PNYIAP
438	P53350	498	KAGANI T PREGDE
439	P53667	229	ILEING T PIRNVP
440	P53667	508	DRKKRY T VVGNPY
441	P53779	221	GTSFMM T PYVVTR
442	P54198	555	SPSVLT T PSKIEP
443	P54198	576	TERSKA T PGAPAL
444	P54198	586	PALTSM T PTAVER
445	P54646	172	DGEFLR T SCGSPN
446	P54646	258	DPLKRA T IKDIRE
447	P54829	255	LTLDMC T PGCNEE
448	P55211	125	EVLRP T EPRPVDI
449	P57059	182	SGEPLS T WCGSPP

450	P57059	322	GVDRQR T VESLQN
451	P60484	366	SSSTSV T PDVSDN
452	P60484	382	HYRYSD T TDSDPE
453	P60484	383	YRYSDT T DSDPEN
454	P60484	401	DQHTQI T KVVVVV
455	P62136	320	PGGRPI T PPRNSA
456	P68104	432	VRDMRQ T VAVGVI
457	P68400	344	SMPGG S TPVSSAN
458	P68400	360	GISSVP T PSPLGP
459	P78362	492	SHDRSR T VSASST
460	P78527	2609	TPMFVE T QASQGT
461	P78527	2638	AGQIRA T QQQHDF
462	P78527	2647	QHDFTL T QTADGR
463	P78536	735	PFPAPQ T PGRLQP
464	P80192	304	AREWHR T TKMSAA
465	P80192	305	REWHRT T KMSAAG
466	P80192	312	KMSAAG T YAWMAP
467	P98177	32	SRPRSC T WPLPRP
468	Q00534	49	KRVRVQ T GEEGMP
469	Q00534	70	VLRHLE T FEHPNV
470	Q00534	177	SFQMAL T SVVVTL
471	Q00534	325	NTSELN T AAAAAA
472	Q00613	142	SVTKLL T DVQLMK
473	Q00613	323	RPSSVD T LLSPTA
474	Q00987	419	EFEREE T QDKEES
475	Q01860	235	ARKRKR T SIENRV
476	Q02156	228	GLKKQE T PDQVGS
477	Q02156	309	LADLGV T PKITN
478	Q02156	566	NGVTTT T FCGTPD
479	Q02156	703	NFDQDF T REEPVL
480	Q02156	710	REEPVL T LVDEAI
481	Q02818	148	DPQNQH T FEARDL
482	Q04206	254	VAIVFR T PPYADP
483	Q04206	435	TQAGEG T LSEALL
484	Q04206	505	AITRLV T GAQRPP
485	Q04759	219	AINSRE T MFHKER
486	Q04759	538	GDAKTN T FCGTPD
487	Q04760	107	LTHNWG T EDDETQ
488	Q05655	43	STERGK T LVQKKP
489	Q05655	50	LVQKKP T MYPEWK
490	Q05655	141	DEAKFP T MNRRGA
491	Q05655	218	AANSRD T IFQKER
492	Q05655	451	FELYRA T FYAAEI
493	Q05655	507	GESRAS T FCGTPD
494	Q06413	293	SAQSLA T PVVSVA
495	Q06413	300	PVVSVA T PTLPGQ
496	Q06609	309	RKGRGE T RICKIY
497	Q06830	90	HLAWVN T PKKQGG
498	Q07820	163	DGSLPS T PPPAEE
499	Q08050	611	TLPISS T PSKSVL
500	Q08050	620	KSVLPR T PESWRL
501	Q08050	627	PESWRL T PPAKVG
502	Q08050	662	LMDLST T PLQSAP
503	Q08999	642	IAGSPL T PRRVTE
504	Q08999	974	VMRSS S TLPVPQP
505	Q08999	986	PSSAPP T PTRLTG
506	Q09161	21	PHKRRK T SDANET
507	Q0VD86	182	EEDRFL T PGRAQL

508	Q12778	24	PRPRSC T WPLPRP
509	Q12834	70	SSKVQT T PSKPGG
510	Q12834	106	QPENSQ T PTKKEH
511	Q12834	157	LYSQKA T PGSSRK
512	Q12888	302	EPEVLS T QEDLFD
513	Q12888	543	DEDGEN T QIEDTE
514	Q12888	548	NTQIED T EPMSPV
515	Q12888	855	ELQQPQ T QEKTSN
516	Q12888	922	PPLTGA T PPLIGH
517	Q12888	1214	SAPGDD T ESLHSQ
518	Q12888	1372	GVSQTG T PVCEED
519	Q12888	1609	GPYEAV T PLTKAA
520	Q12906	188	KVLAGE T LSVNDP
521	Q12906	315	QQREDI T QSAQHA
522	Q12906	592	EKLFPD T PLALDA
523	Q12933	7	MAAASV T PPGSLE
524	Q12933	22	QPGFSK T LLGTKL
525	Q12933	117	GCTWKG T LKEYES
526	Q13042	581	AEETGL T PLETSR
527	Q13042	599	RPSLEE T FEIEMN
528	Q13045	818	HRPRHA T VSRSL
529	Q13098	479	GSQGEL T PANSQS
530	Q13153	84	PSDFEH T IHVGFD
531	Q13153	185	DDDDDA T PPPVIA
532	Q13153	212	IEPLPV T PTRDVA
533	Q13153	219	PTRDVA T SPISPT
534	Q13153	230	PTENNT T PPDAL
535	Q13153	423	EQSKRS T MVGTPY
536	Q13163	315	VNSIAK T YVGTNA
537	Q13188	117	IRLRNK T LIEDEI
538	Q13188	180	TMAKRN T VIGTPF
539	Q13188	336	SVESVG T MRATST
540	Q13188	384	TMKRNA T SPQVQR
541	Q13342	726	PVEAER T PWNCIF
542	Q13522	35	IRRRRP T PATLVL
543	Q13542	37	PHDYCT T PGGTLF
544	Q13542	46	GTLFST T PGGTRI
545	Q13542	70	NSPMAQ T PPCHLP
546	Q13554	287	MMHRQE T VECLKK
547	Q13554	306	LKGAIL T TMLATR
548	Q13554	307	KGAILT T MLATRN
549	Q13554	401	SDSANT T IEDEDA
550	Q13568	10	SIPVAP T PPRRVR
551	Q13627	402	EKLDPG T WNLKKT
552	Q14164	501	LSRRLR T LAEVLS
553	Q14194	101	AALVGG T TMIIDH
554	Q14194	102	ALVGGT T MIIDHV
555	Q14194	509	VYEVPA T PKYATP
556	Q14194	514	ATPKYA T PAPSAK
557	Q14207	1270	DLPVPR T PGSGAG
558	Q14207	1350	SRTTSA T PLKDNT
559	Q14344	203	LLARRP T KGIHEY
560	Q14457	119	SRRLKV T GDLDI
561	Q14493	61	RRPESF T TPEGPK
562	Q14493	62	RPESFT T PEGPKP
563	Q14493	171	PGIHPK T PNKFKK
564	Q14524	38	QARGST T LQESRE
565	Q14653	3	MMMMMG T PKPRIL

566	Q14653	75	DKPDLPTWKRNFR
567	Q14653	180	PSLDNPTPFPNLG
568	Q14653	237	SEVGDRTLPGWPV
569	Q14653	244	LPGWPVTLPDPGM
570	Q14653	253	DPGMSLTDGRVMS
571	Q14653	404	SHPLSLTSDQYKA
572	Q14654	341	NTIKVPTPLCTAR
573	Q14676	4	MMMEDTQAIDWD
574	Q14676	301	PGEDSDTDVDDDS
575	Q14676	331	GFIDSDTDAEEER
576	Q14676	378	SQAGSDTDVEEGK
577	Q14676	404	MVINSDDDEEEV
578	Q14676	449	QRSQTTTERDSDT
579	Q14676	455	TERDSDTDVEEEE
580	Q14676	523	TTVDINTQVEKEV
581	Q14676	1157	NRSSVKTPEPVVP
582	Q14676	1198	SRSSVKTPETVVP
583	Q14676	1302	STDRPVTPKPTSR
584	Q14676	1403	NRSSGKTPETLVP
585	Q14676	1425	STDQPVTPPEPTSQ
586	Q14676	1548	STDQPVTPPEPTSR
587	Q14676	1567	NRSSVKTPESIVP
588	Q14676	1589	SRNQLVTPPEPTSR
589	Q14676	1630	STDQPVTPKLTSR
590	Q14676	1664	SDLEPFTPTDQSV
591	Q14676	1671	PTDQSVTPEAIAQ
592	Q14676	1697	AMPVPTTPEFQSP
593	Q14676	1800	AGRSRFTPELQPK
594	Q14676	1858	KEEDVVTPKPGKR
595	Q14680	56	DLPRIKTEIEALK
596	Q14680	167	KDYHLQCCGSLA
597	Q14680	398	QFTKYWTESNGVE
598	Q14680	409	VESKSLTPALCRT
599	Q14680	478	NQCLKETPIKIPV
600	Q14680	494	GTDKLMTGVISPE
601	Q14680	518	QAHMEETPKRKGA
602	Q14680	539	GLDKVITVLTRSK
603	Q14686	1321	QNSNGATKRASPS
604	Q14694	24	FNQFFVTPRSSVE
605	Q14694	42	GTVLCGTQAVDKL
606	Q14694	100	CTASKITPDGITK
607	Q14980	163	PSTCSSTFPEELS
608	Q14980	211	MGDILQTPQFQMR
609	Q14980	1776	LESLYFTPIPARS
610	Q14980	1804	LDSGRKTRSARRR
611	Q14980	2000	PHQGPGTPESKKA
612	Q14980	2015	CFPRPMTPRDRHE
613	Q14980	2055	AFSILNTPKKLGN
614	Q14980	2106	AAAIGATPRAKGK
615	Q14994	38	KGFFRRTVSKSIG
616	Q15078	138	AVTSAGTPKRVIV
617	Q15080	154	RRLRPRTRKVKSV
618	Q15208	74	AHARKETEFRLRK
619	Q15208	444	WVFINYTYKRFEG
620	Q15291	252	QDLVNRTPWKKCC
621	Q15398	326	LKTYQVTPMTPRS
622	Q15398	329	YQVTPMTPRSANA
623	Q15398	338	SANAFLTPSYTWT

624	Q15398	401	LNKNEA T TKNLNG
625	Q15398	402	NKNEAT T TKNLNGL
626	Q15398	639	PSQRLG T PKSVNK
627	Q15398	759	ELNSSI T SQDVLM
628	Q15398	784	ILEEGE T KISQSE
629	Q15554	230	MSKDPT T QKL RND
630	Q15648	805	DCPAIG T PLRDSS
631	Q15648	1032	SSNRPF T PPTSTG
632	Q15648	1051	SAGRSQ T PPGVAT
633	Q15648	1057	TPPGVA T PPIPKI
634	Q15648	1215	MKPVP G TPPSSKA
635	Q15648	1457	SKSPAY T PQNLDS
636	Q15788	1179	YGTNP G TPPASTS
637	Q15796	8	SSILPF T PPVVKR
638	Q15796	220	SNYIPE T PPPGYI
639	Q15831	189	LLTTGG T LKISDL
640	Q15831	336	DRWRSM T VVPYLE
641	Q15831	363	EDDIIY T QDFTVP
642	Q15910	345	TAERIK T PPKRPG
643	Q15910	367	NSSRPS T P TINVL
644	Q15910	487	PAEDVD T PPRKKK
645	Q16512	774	YGDRTS T FCGTPE
646	Q16512	778	TSTFCG T PEFLAP
647	Q16512	914	FTGEAP T LSPPRD
648	Q16513	121	ITDCPR T PDT PNN
649	Q16513	124	CPRTPD T PNNDPR
650	Q16513	628	SEYKPD T PQSGLE
651	Q16513	958	SEAPIL T PPREPR
652	Q16518	101	EKRIVI T EFGTCA
653	Q16518	105	VITEFG T CAFPDP
654	Q16566	200	HQVLMK T VCGTPG
655	Q16584	277	AREWHK T TQMSAA
656	Q16584	708	TPDSP P TPAPLLL
657	Q16625	403	HYETDY T TGGESC
658	Q16625	404	YETD Y TGGESCD
659	Q16637	25	VLFRRG T GQSDDS
660	Q16637	85	KSQKKN T AASLQQ
661	Q16665	555	PFSTQD T DL DLEM
662	Q16695	4	MMMMAR T KQTARK
663	Q16695	7	MARTKQ T ARKSTG
664	Q16695	12	QTARKS T GGKAPR
665	Q16695	81	IAQDFK T DLRFQS
666	Q16695	108	VGLFED T NLCVIH
667	Q2M2Z5	379	STSSDL T ISISED
668	Q2NKX8	813	SADSIAT L PKGF
669	Q2NKX8	1063	KQFDAS T PKNDIS
670	Q2PPJ7	715	MRFRSA T TSGAPG
671	Q4G163	234	SQQKTS T IDDSKD
672	Q53GL7	101	GLPPGT T PQRLEQ
673	Q53HL2	88	ALEEAA T ADLDIT
674	Q53HL2	94	TADLDI T EINKLT
675	Q53HL2	106	TAEAIQ T PLKSAK
676	Q53HL2	169	RSSRAN T VTPAVG
677	Q53HL2	189	KPTPGL T PRFDSR
678	Q53HL2	204	KTPGLR T PAAGER
679	Q53HL2	230	SKEIFL T VPVGGG
680	Q5VT25	240	SSVAVG T PDYISP
681	Q6P5Z2	718	FGDRTS T FCGTPE

682	Q6P5Z2	860	GLPPAL T PPAPHS
683	Q6PKG0	376	GVEGPR T PKYMNN
684	Q6PKG0	526	GSPRAV T PVPTKT
685	Q6PKG0	649	ILIVTQ T PHYMRR
686	Q6PKG0	724	EQFDTL T PEPPVD
687	Q6PKG0	845	REHRPR T ASISSS
688	Q6Q788	55	MAREPA T LKDSLE
689	Q6R327	1135	RRIRTL T EPSVDF
690	Q71F23	78	DPPLHS T AIYADE
691	Q71F23	110	AKRSSD T SGNEAS
692	Q7RTN6	329	LSDSL T STPRPS
693	Q7RTN6	419	GIFGLV T NLEELE
694	Q86UC2	286	FLDRPP T PLFIPA
695	Q86W56	199	NDDHSD T DSEENR
696	Q8IU85	180	KGDVMS T ACGTPG
697	Q8IVT2	164	VATLQG T PDHGDP
698	Q8IVT2	172	DHGDPR T PGPPRS
699	Q8IVT2	219	SSPARG T PAGTTP
700	Q8IVT2	224	GTPAGT T PGASQA
701	Q8IVT2	287	SVESPG T PKETPI
702	Q8IVT2	377	HVGRAS T PDWVSE
703	Q8IVT2	577	PEVFS P TPDENSD
704	Q8IW41	182	DQGDL M T P QFTPY
705	Q8IY84	229	KGEMLN T FCGSPP
706	Q8N122	706	TEGGSL T PVRDSP
707	Q8N163	35	PPPGLL T PPVATE
708	Q8N163	454	AEAAPP T QEAQGE
709	Q8N163	484	SRRNAE T PEATTQ
710	Q8N264	452	LEKTQ T TPNGSLQ
711	Q8N4F0	52	QRALQV T VPHFLD
712	Q8N4N8	125	IPQKNQ T ASGDSL
713	Q8NB16	357	ELRKTQ T SMSLGT
714	Q8ND76	30	ESYRPD T DLSRED
715	Q8ND76	37	DLSRED T GCNLQH
716	Q8ND76	67	DHPRAS T IFLSKS
717	Q8ND76	75	FLSKSQ T DVREKR
718	Q8ND76	331	ASADNL T LPRWSP
719	Q8NHV4	382	RSINTD T LSKETD
720	Q8NHV4	550	PINGSS T PNPKIA
721	Q8NHW3	53	PGSLSS T PLSTPC
722	Q8NHW3	57	SSTPLS T PCSSVP
723	Q8TAE6	73	HQQGKV T VKYDRK
724	Q8TB45	241	SPSSQE T HDSPFC
725	Q8TB45	259	HDNRKS T SFMSVS
726	Q8TD08	175	PEDQAV T EYVATR
727	Q8TDC3	189	GDSLLE T SCGSPH
728	Q8WYK2	148	RTDSVK T PESEGN
729	Q92538	507	KLMEI I T V ENPKM
730	Q92538	1337	KIHRSA T DADVNN
731	Q92597	328	RLMRSR T ASGSSV
732	Q92597	346	TRSRSH T SEGTRS
733	Q92597	366	TRSRSH T SEGAHL
734	Q92597	375	GAHLDI T PNSGAA
735	Q92630	106	KRTVLT T QPNGLT
736	Q92630	381	EHQRVY T YIQSRF
737	Q92794	369	GRKRKI T LSSQSA
738	Q92918	165	SAQIGAT L ARRLS
739	Q92918	175	RLSFIG T PYWMAP

740	Q92918	355	TRPPAN T ARLQPP
741	Q92974	679	GVELLL T PREPAL
742	Q92974	945	DSSDPD T GSEEEG
743	Q92997	346	SPRGCF T LPRSEP
744	Q969H0	205	LVPCSA T PTTFGD
745	Q96A00	38	KRHARV T VKYDRR
746	Q96B36	246	PRPRLN T SDFQKL
747	Q96BR1	320	ISDTT T FCGTPE
748	Q96EB6	530	LSELPP T PLHVSE
749	Q96EB6	544	SSSPER T SPPDSS
750	Q96EB6	719	GGAGFG T DGDDQE
751	Q96EY5	130	LSGKTK T VPGYLR
752	Q96G74	507	AGADRA T SPLVSL
753	Q96J02	263	SRPPPP T PRRPAS
754	Q96J02	385	HFTRTT T WQRPTL
755	Q96L34	214	LGSKLD T FCGSPP
756	Q96Q89	1644	KHPGCT T PVTVKI
757	Q96R06	111	IPQISS T PKTSEE
758	Q96R06	336	RILGSD T ESWMSP
759	Q96R06	937	DEEPES T PVPLLG
760	Q96R06	978	EMSIMT T ELQSLC
761	Q96RG2	1161	RGKLFY T FCGTIE
762	Q96RG2	1165	FYTFCG T IEYCAP
763	Q99459	227	ALGFYD T SEENYQ
764	Q99459	377	ALTNVD T PLKGGL
765	Q99459	385	LKGGLN T PLHESD
766	Q99459	396	SDFSGV T PQRQVV
767	Q99459	404	QRQVVQ T PNTVLS
768	Q99459	411	PNTVLS T PFRTPS
769	Q99459	415	LSTPFR T PSNGAE
770	Q99459	424	NGAEG L T
771	Q99459	430	TPRSGT T PKPVIN
772	Q99459	438	KPVINS T PGRTPL
773	Q99459	442	NSTPGR T PLRDKL
774	Q99558	559	GDYIPG T ETHMAP
775	Q99613	524	AHQ R QL T P
776	Q99640	17	PMPTEG T PPPLSG
777	Q99640	495	LSLFED T LDPTTT
778	Q99683	813	DNVLIN T YSGVLK
779	Q99683	838	INPCTE T FTGTLQ
780	Q99683	842	TETFTG T LQYMAP
781	Q99708	847	RYIPP N T
782	Q99958	247	PRSAAS T PAGSPD
783	Q99986	355	LKAKTI T KKRKKE
784	Q9BQ15	117	PNPEYS T QQAPNK
785	Q9BQA1	5	MMMRKE T PPPLVP
786	Q9BUB5	250	SCTPIT T PELTTP
787	Q9BUB5	255	TTPELT T PCGSAE
788	Q9BUB5	385	PEKGLP T PQVLQR
789	Q9BWT1	163	RRPRRR T FPGVAS
790	Q9BX84	1851	NQVKPQ T IPYTPR
791	Q9BXA7	174	RMALSK T FCGSPA
792	Q9BYG3	223	VSGTLD T PEKTVD
793	Q9BYG3	234	VDSQGP T PVCTPT
794	Q9BYG3	238	GPTPVC T PTFLER
795	Q9BYG3	279	EIQETQ T PTHSRK
796	Q9GZN2	182	TGGLFN T PPPTPP
797	Q9GZN2	186	FNTPPP T PPEQDK

798	Q9GZX7	27	AKGRRE T YLCYVV
799	Q9H063	64	ALSP PQ T SGLSPS
800	Q9H063	212	ISGST Y T PSEAGN
801	Q9H093	208	QGKFL Q T FCGSPL
802	Q9H0H5	161	DISFD K T DESLDW
803	Q9H0H5	260	PWN S D T LN S RQL
804	Q9H0H5	342	IP T LIG T PKIGE
805	Q9H0H5	567	AFST PQ T PD I KVS
806	Q9H0H5	580	LLGP V T PEHQLL
807	Q9H0H5	588	EHQ L L K T PS S SSL
808	Q9H0H5	601	SQ R VR S T LT K NT P
809	Q9H0H5	606	STLT K N T PRFGSK
810	Q9H0K1	25	FYDIE G T L G KGN F
811	Q9H0K1	175	SGEL L A T WCGS P P
812	Q9H1A4	291	FSE Q G T PQ N VAT
813	Q9H1A4	537	PLDG V S T PKPLSK
814	Q9H1D0	742	ERLR Q G T LRDLR
815	Q9H211	29	PKLAC R T PSPAR P
816	Q9H2D6	2229	AEERE H T LRRC Q Q
817	Q9H300	69	RRSD P G T SGEAY K
818	Q9H4X1	111	LLSAT V T PQKAK L
819	Q9H7P6	122	LIDIK D T LPVG F I
820	Q9H7P6	204	HDSS Q P T PSQ S S
821	Q9H7P6	205	DSS Q P T PSQ S SA
822	Q9H8S9	12	SSR S S K T FKPK K N
823	Q9H8S9	35	LKHAE A T LGSG N L
824	Q9H8S9	74	INM L Y G T ITEF C T
825	Q9H8S9	181	EEAHL N T SFKH F I
826	Q9H8V3	359	LYEKAN T PELK K S
827	Q9H8V3	373	SMLSL N T PNSNR K
828	Q9H8V3	444	KSSK S S T PVPS K Q
829	Q9H8V3	846	AFS F S K T PKRAL R
830	Q9H8Y8	222	PGQ M A G T PITPL K
831	Q9H8Y8	225	MAG T P I T PLKD G F
832	Q9H8Y8	415	SLT V D V T PPTAK A
833	Q9H8Y8	433	DRVGD S T PVSE K P
834	Q9HAW4	916	ELLD L C T GKFT S Q
835	Q9HB96	346	GLLR L C T WLLAL S
836	Q9HBH9	244	DCSP I S T PELL T P
837	Q9HBH9	249	STPELL T PCGS A E
838	Q9HBH9	379	PENT L P T PMVL Q R
839	Q9HC16	32	ILSR R N T VWLC Y E
840	Q9HC16	218	VRGR H E T YLCY E V
841	Q9HC98	202	FFS S E T AAHSL V
842	Q9HC98	210	AHSL V G T PYYM S P
843	Q9HCC9	870	KPV R V C T HCYMF H
844	Q9HCX4	15	NMQRR H T TLRE K G
845	Q9NQS7	195	TEPL P R T LSPT A
846	Q9NQS7	199	PRTL S P T PASAT A
847	Q9NQS7	213	TSQ G I P T SDE E ST
848	Q9NQS7	239	VSSL M A T PQDP K G
849	Q9NQS7	292	LPDN F S T PTGS R T
850	Q9NQS7	406	SWPH N D T EIAN S T
851	Q9NQS7	832	LNSD D S T DDEAH P
852	Q9NQS7	892	PRYH K R T SSAV N N
853	Q9NRD5	82	RSIK G K T KVEV A K
854	Q9NRH2	173	PGK K L T SCGSL A
855	Q9NRM7	279	PSF Q S K T PPET G G

856	Q9NVI1	952	DADVSV T QRTAFQ
857	Q9NWZ3	342	SEKFAQ T VMTSRI
858	Q9NWZ3	345	FAQTVM T SRIVGT
859	Q9NX09	23	PSSLPR T PTPDRP
860	Q9NX09	25	SLPRT T PDRPPR
861	Q9NYL2	161	SRFHNH T THMSLV
862	Q9NYL2	628	IKYQQI T PVNQSR
863	Q9NYV4	57	KDMGLV T PEAASL
864	Q9NYV4	514	LKEEIV T PKETET
865	Q9NYV4	692	PEPKAI T PPQQPY
866	Q9NYV4	893	EESRPY T NKVITL
867	Q9NYV4	1244	PQGPRR T PTMPQE
868	Q9NYV6	200	ARYVPS T PWFLMP
869	Q9NZJ0	464	LPLPSN T PTFSIK
870	Q9NZJ0	516	SSSPPI T PPASET
871	Q9NZJ0	684	RSPSSQ T PNSRRQ
872	Q9P0L2	5	MMMSAR T PLPTVN
873	Q9P0L2	208	GFSNEF T VGNKLD
874	Q9P0L2	215	VGNKLD T FCGSPP
875	Q9P0L2	613	GSSSR S T T FHGEQL
876	Q9P1Z0	795	AERPGG T PTPVIA
877	Q9P1Z0	797	RPGGT T PVIAYS
878	Q9P1Z0	983	APPAPP T PPPPTL
879	Q9UBF6	10	VEDGEE T CALASH
880	Q9UBF8	263	LSPAPD T GLSPSK
881	Q9UBF8	438	LPECGI T HEQRAG
882	Q9UBF8	519	QLAHT P T T AFKRDP
883	Q9UBR4	63	KCSDCH T PLAERC
884	Q9UD71	34	IRRRR P T T PAMLFR
885	Q9UD71	75	PNPCAY T PPSLKA
886	Q9UJX2	562	LRNQGE T PTTEVP
887	Q9UJX2	565	QGET P T T TEVPAPF
888	Q9UJX2	582	SLSANN T PTRRVS
889	Q9UJX2	596	LNLSSV T PPPPPP
890	Q9UJY1	63	SSAWPG T LRSGMV
891	Q9UK32	581	ENGLLL T PCYTAN
892	Q9ULC4	81	EGPFYP T LRLLHK
893	Q9UPN6	6	MMEAVK T FNSELY
894	Q9UPN6	615	KETVQT T QSPTPV
895	Q9UPZ9	157	RSKPPY T DYVSTR
896	Q9UQ84	581	DKATVF T DEESYS
897	Q9UQ84	621	LGDFSR T PSPSPS
898	Q9UQC2	265	TEFRDS T YDLPRS
899	Q9UQC2	278	LASHGH T KGSLTG
900	Q9UQC2	287	SLTGSE T DNEDVY
901	Q9UQC2	331	QIPRT F T T LDKNHN
902	Q9UQC2	385	SRSVAA T I ^{PR} RNT
903	Q9UQC2	391	TIPRRN T LPAMDN
904	Q9UQF2	103	IDATGD T PGAEDD
905	Q9UQF2	205	LKTGEQ T PPHEHI
906	Q9UQF2	411	DESDSA T VYDNCA
907	Q9UQF2	448	CLSEDS T PDEPDV
908	Q9UQL6	292	DGTVIS T FKKRAV
909	Q9Y295	100	YEFTTL T TVPGVI
910	Q9Y2K2	13	YYEIDR T IGKGNF
911	Q9Y2K2	163	PGQLLK T WCGSPP
912	Q9Y2K2	411	LSMRRH T VGVADP
913	Q9Y371	145	SALNFL T PLRNFI

914	Q9Y3C5	135	WLMRSF T CPSCME
915	Q9Y6E0	18	LNKRRAT L PHPGG
916	Q9Y6E0	190	TQIKRN T FVGTPF
917	Q9Y6G9	213	SPQRRN T ASQEDK
918	Q9Y6G9	408	PGGSPR T PNRSVS
919	Q9Y6G9	512	PVTVSP T TPTSPT
920	Q9Y6G9	513	VTVSPT T PTSPTTE
921	Q9Y6G9	515	VSPTTP T SPTEGE
922	Q9Y6R1	49	RRHKRK T GHKEKK
923	Q9Y6R1	254	MTHRN L TSSSLND

(2) List of the 9,739 peptide samples in the negative subset $S_{\xi=6}^-(T)$

Sample #	Protein ID	Site	Sequences
1	A6ND36	509	PVPKPR T VPVADV
2	A6ND36	561	QRQLSV T QDDPES
3	A6ND36	589	DDDDYV T LSQDS
4	A6ND36	658	PHITRG T FVGPGQ
5	A6NHR9	493	EDFDWC T PPKKRG
6	A6NHR9	577	DKQIKF T LFKGVI
7	A6NHR9	1008	NIKKDQ T LKARIE
8	A6NHR9	1096	KIKVNW T PEINKE
9	A8K4G0	33	PEQGSL T VQCHYK
10	A8K4G0	115	RGPDLG T QVKVIV
11	A8K4G0	135	TTASSP T NSNMAV
12	A8K4G0	167	ILLILV T AILWLK
13	O00151	34	LAISRV T PGSKAA
14	O00151	58	AIDGENT T SNMTHL
15	O00151	62	ENTSNM T HLEAQN
16	O00151	291	VCTDCG T NLKQKG
17	O00159	251	EGGEE T LRRLGL
18	O00159	533	KLADQR T RKSLGR
19	O00159	599	DKKRPE T VATQFK
20	O00159	1038	DGTIDF T PGSELL
21	O00161	43	AGIKTI T MLDEQK
22	O00161	72	MRETEK T LTELNK
23	O00161	101	SGKAYK T TWGDGG
24	O00161	157	EMEENL T QVGSIL
25	O00165	28	PFFGGM T RDEDD
26	O00165	124	RLREGQ T LRDSML
27	O00165	214	FKSISV T KITKPD
28	O00165	236	VDSEGR T ETTVTR
29	O00168	16	FCVGLL T MAKAES
30	O00168	30	KEHDPF T YDYQSL
31	O00168	70	FNQQQR T GEPDEE
32	O00168	79	PDEEEG T FRSSIR
33	O00194	23	DSGVGK T TFLYRY
34	O00194	24	SGVGKT T TFLYRYT
35	O00194	41	NPKFIT T VGIDFR
36	O00194	192	EQCVEK T QIPDTV
37	O00204	55	ISLAENT T QDVRDD
38	O00204	258	NTMSNY T LLPPSL
39	O00204	286	DWKNHF T VAQSEA
40	O00204	337	PSLEPN T SLEREP
41	O00213	265	WMRVQD T SGTYYW

42	O00213	275	YYWHIP T GTTQWE
43	O00213	340	PEEGTL T FPAQSL
44	O00213	381	LGWVEM T EEELAP
45	O00231	60	GSLLAK T GQAAEL
46	O00231	195	ALTSAR T TANAIY
47	O00231	284	RYAGRQ T EALKCV
48	O00231	396	EPPVDK T YEAALE
49	O00232	110	MVQQCC T YVEEIT
50	O00232	253	YRAIYD T PCIQAE
51	O00232	310	DLLKL F T TMELMR
52	O00232	374	KYYTRI T MKRMAQ
53	O00257	101	GLQDSS T DNRAKL
54	O00257	184	KEAPS P T CPDLGA
55	O00257	242	APKEAV T GNGIGG
56	O00257	364	QPLQL T T KPDLA
57	O00257	377	WDPARN T HPPSHH
58	O00257	429	PCKKRL T ARSIST
59	O00257	435	TARSIS T PTCLGG
60	O00257	480	DLRCVK T RSEAGE
61	O00257	512	AAAAAP T TTAEKP
62	O00257	514	AAAPT T TAEKPPA
63	O00257	543	FGNII I T TDVTANC
64	O00257	551	VTANCL T VTFKEY
65	O00264	74	LKRRD F T PAELRR
66	O00264	101	GKVFDV T KGRKFY
67	O00264	146	DDLSDL T AAQQET
68	O00264	152	TAAQQE T LSDWES
69	O00267	412	EVVTE S TGKEREH
70	O00267	449	VDGNKI T IMPKHE
71	O00267	507	ILFSDL T MHELV
72	O00267	655	SKPRDV T NFTVGG
73	O00267	731	KDATE S TARVELH
74	O00267	751	VDRQRL T TVGSRR
75	O00267	768	TSTYGR T PMYGSQ
76	O00267	791	PMYGSQ T PLQDGS
77	O00267	806	PHYGSQ T PLHDGS
78	O00267	859	GTPNPQ T PGYPDP
79	O00267	981	NSSDWV T TDIQVK
80	O00267	991	QVKVRD T YLDTQV
81	O00273	17	ESGEIR T LKPCLL
82	O00273	68	VLAEDG T IVDDDD
83	O00273	103	NNSDGG T AWISQE
84	O00273	174	VQRLQH T LQQVLD
85	O00303	255	VDLIMK T CFSPNR
86	O00303	303	KVSADN T VGRFLM
87	O00303	338	NDLLMV T YLANLT
88	O00303	344	TYLANL T QSQIAL
89	O00330	67	MPSLS P T MEEGNI
90	O00330	225	LVQLKQ T GKITES
91	O00330	242	APTAT P T APSPLQ
92	O00330	250	PSPLQA T AGPSYP
93	O00391	160	LESHHD T WPPACP
94	O00391	221	VRRVLN T EANVVR
95	O00391	281	QTTVAP T TANKIA
96	O00391	289	ANKIAP T VWKLAD
97	O00399	28	EIRGDV T IGPRTV
98	O00399	33	VTIGPR T VIHPKA
99	O00399	71	AYPDNI T PDTEDP

100	O00399	74	DNITPD T EDPEPK
101	O00399	86	KPMIIG T NNVFEV
102	O00399	120	GRNVIL T SGCIIG
103	O00399	133	ACCNLN T FEVIPE
104	O00399	141	EVIPEN T VIYGAD
105	O00399	154	CLRRVQ T ERPQPQ
106	O00399	161	ERPQPQ T LQLDFL
107	O00399	180	YHHLKK T MKGSST
108	O00401	109	PRGYFH T FAGDTC
109	O00401	170	IKNPEI T TNRFYG
110	O00401	199	AKKKRL T KADIGT
111	O00401	464	PPTPAP T SGIVGA
112	O00410	269	LKLCGD T SLNNMQ
113	O00410	514	VLEQVV T SIASVA
114	O00410	645	EVALLD T QDMENM
115	O00410	700	EGFVEY T EQVVKL
116	O00418	64	KYYSNL T KSERYS
117	O00418	113	IATERA T RHRyna
118	O00418	121	HRYNAV T GEWLDD
119	O00418	149	MRECFR T KKLSNF
120	O00418	254	DDNIRL T PQAFSH
121	O00418	283	GVGDLY T DPQIHT
122	O00418	291	PQIHT T GTDFGD
123	O00418	401	SSPSSA T PHSQKL
124	O00418	590	DVSLKE T EENKTK
125	O00418	595	ETEENK T KGFDYL
126	O00418	677	EAEMLF T GGYGLE
127	O00418	694	RSGDLY T QAAEAA
128	O00429	17	LQDVFN T VGADII
129	O00429	282	LANRNG T KYLART
130	O00429	306	CLPELK T RINVLA
131	O00429	347	ATEYCN T IEGTAK
132	O00443	546	PCKEAM T RHPVEE
133	O00443	689	TEQLQF T IFAAHG
134	O00443	1372	EATIFF T RLIESS
135	O00443	1519	SLMNAST T DVAECD
136	O00459	187	LPAPLV T PEASAE
137	O00459	366	KIQGEY T LTLRKG
138	O00459	487	IEAFNE T IKIFEE
139	O00459	582	QYLVWL T QKGARQ
140	O00560	20	KVIQAQ T AFSANP
141	O00560	200	PFERTI T MHKDST
142	O00560	219	FKNGKI T SIVKDS
143	O00560	263	ILSTSG T VVTITI
144	O00562	49	LANRPY T DGPGGS
145	O00562	179	SDDWART T AAQTGP
146	O00562	464	SAFEAV T RIHFPE
147	O00562	523	ALPLLAT T SSSRYQ
148	O00562	775	SLLLAD T LQTHSS
149	O00562	778	LADTLQ T HSSLFL
150	O00562	810	KGSELAT T DPPAQP
151	O00562	917	VKIRNV T SNHRAS
152	O00562	925	NHRASD T VVCEGR
153	O00562	1066	YLIVYV T GRPDMQ
154	O00562	1223	EREGPG T PPTTLA
155	O00562	1226	GPGTP T PTLARGK
156	O00571	204	TRYTRP T VPQKHA
157	O00571	231	QTGSGK T AAFLLP

158	O00571	498	SPILVAT A VAAARG
159	O00571	542	GNLGLAT S FFNER
160	O00622	73	TQPCDH T KGLECN
161	O00622	233	QKCIVQ T TSWSQC
162	O00622	245	CSKTCG T GISTRV
163	O00622	299	PEPVRF T YAGCLS
164	O00763	130	GLEATD T NGLSSS
165	O00763	1641	NIRQTT T GSAPVI
166	O00763	1668	SLYKEV T DSRSGN
167	O00763	1975	LGREVV T SNNQLG
168	O14492	104	EPELAD T SALKAA
169	O14492	262	IIEVRT T MPLEMP
170	O14492	449	VIRQSE T RPGEYV
171	O14492	457	PGEYVL T FNFGK
172	O14493	42	IGSNIV T SQTIWE
173	O14493	59	NCVVQ S TGQMCK
174	O14493	139	IVPVSW T AHNIIQ
175	O14493	189	CNCPPR T DKPYSA
176	O14519	27	SVHSP S TSMATSS
177	O14519	31	PSTSMAT S SQYRQ
178	O14519	50	PPSLGY T QGTGNS
179	O14519	80	GKEIRP T YAGSKS
180	O14607	386	RCSNT S TLAARIK
181	O14607	469	EVAQVR T TGIHNG
182	O14607	530	GCIPCG T SKILGS
183	O14607	537	SKILGS T DTILLG
184	O14607	565	LQQNT H TLPHNHT
185	O14607	612	EQPLF S TGSAQYH
186	O14607	758	PAVHTK T DHSVAS
187	O14607	872	PPPRPP T SPYPPL
188	O14607	1028	RKGPFK T IKFGTN
189	O14607	1297	VTNESN T QKTYIV
190	O14607	1300	ESNTQK T YIVHCH
191	O14607	1312	HDCARK T SKSLEN
192	O14625	17	AVILCAT V VQGFP
193	O14625	65	KIEVII T LKENKG
194	O14653	82	DVQHLQ T ALRNFQ
195	O14653	161	RLTLKG T QKKILD
196	O14653	177	MLGLSN T VMRLIE
197	O14653	200	IGGMLL T CVVMFL
198	O14654	32	LAAVVT T PLLSSG
199	O14654	41	LSSGT P TALIGTG
200	O14654	259	VFRLCL T DEEVVF
201	O14654	270	VFVRLN T EVASVV
202	O14672	79	LRMKRD T SLFSDE
203	O14672	130	FEGFIQ T RGGTFY
204	O14672	215	LRKKRT T SAEKNT
205	O14672	221	TSAEKNT C QLYIQ
206	O14672	228	CQLYIQ T DHLFFK
207	O14672	260	DTIYQT T DFSGIR
208	O14672	287	ADEKDP T NPFRFP
209	O14672	364	LNTGII T VQNYGS
210	O14672	512	SQGPCC T AQCAFK
211	O14672	540	GICNGF T ALCPAS
212	O14672	559	TDCNRH T QVCING
213	O14672	581	YGLEEC T CASSDG
214	O14713	21	QSSEIS T KSKSVD
215	O14713	44	TVASLD T DSTKSS

216	O14713	47	SLDSTDSTKSSGQS
217	O14713	59	SNNNSDTCAEFRI
218	O14713	123	YGIKVS ^T SDQYDV
219	O14713	159	SLLALK ^T TDASNE
220	O14713	160	LLALK ^T TDASNEE
221	O14713	189	ICKVLS ^T AFDSVL
222	O14718	30	EHNIVAT ^Y LIMAG
223	O14718	140	RRMTTN ^Y IGLIL
224	O14718	203	NFIVPL ^T VMFYCY
225	O14718	239	SDQIDV ^T KMSVIM
226	O14744	29	VPEIAD ^T LGAVAK
227	O14744	80	SGRDWN ^T LIVGKL
228	O14744	176	NAP ^T TH ^T EEYSGE
229	O14744	597	TVREGQ ^T ICVRFW
230	O14745	71	ENVEKE ^T HQQVVS
231	O14745	95	LVVDPE ^T DEQLQK
232	O14745	156	LRPRLC ^T MKKGPS
233	O14745	226	RAGGDE ^T KLLVVD
234	O14745	235	LVVDRE ^T DEFFKK
235	O14745	260	PLPVPF ^T NGEIQK
236	O14745	309	PPKQDST ^T APSSTS
237	O14745	314	STAPSS ^T SSSDPI
238	O14746	726	IPQDRL ^T EVIASI
239	O14746	839	QGSILS ^T LLCSLC
240	O14746	917	DEALGG ^T AFVQMP
241	O14746	1039	LRVISD ^T ASLCYS
242	O14757	31	LAVNRV ^T EEAVAV
243	O14757	323	SQPEPR ^T GLSLWD
244	O14757	348	ISFSQP ^T CPDHML
245	O14757	362	NSQLLG ^T PGSSQN
246	O14777	39	QTKEKP ^T FGKLSI
247	O14777	229	KLFLDY ^T IKCYES
248	O14777	350	TIKQEN ^T RLQNII
249	O14777	571	QLVVQT ^T TEERRK
250	O14791	42	QNVPSG ^T DTGDPQ
251	O14791	276	GNTYQL ^T RGIGKD
252	O14791	336	SRGVKL ^T DVAPVS
253	O14791	367	EGAKSE ^T AELKK
254	O14818	8	SYDRAI ^T VFSPDG
255	O14818	97	CQSHRL ^T VEDPVT
256	O14818	152	QTDPSG ^T YHAWKA
257	O14818	183	TDEAIE ^T DDLTIK
258	O14827	188	IIALNK ^T KERMRP
259	O14827	459	LLDTSQ ^T FIRQGS
260	O14827	630	DICFSK ^T LNCKV
261	O14827	1172	EGTPNF ^T EEGLVN
262	O14920	202	QQKYTV ^T VDYWSF
263	O14920	293	QRGTDPT ^Y GPNGC
264	O14920	439	VWHSIQ ^T LKEDCN
265	O14920	506	QTEFGI ^T SDKLLL
266	O14936	573	IVPSYR ^T QSSSCE
267	O14936	608	SDLPST ^T QPKGRQ
268	O14936	727	DQLDLV ^T YEEVVK
269	O14936	822	YGTKLE ^T IRKIHE
270	O14950	8	SSKKAK ^T KTTKKR
271	O14950	10	KKAKTK ^T TKKRPQ
272	O14950	11	KAKTKT ^T KKRPQR
273	O14950	66	SLGKNP ^T DAYLDA

274	O14950	84	PGPINFT TM FLTMF
275	O14950	88	NFTMFL TM FGEKL
276	O14950	97	GEKLNG TD PEDVI
277	O14950	115	CFDEEAT GT IQED
278	O14950	117	DEEATG TI QEDYL
279	O14950	128	YLRELL TT MGDRF
280	O14950	129	LRELLT TM MGDRFT
281	O14950	160	FNYIEF TR ILKHG
282	O14958	66	VSSDKV TQ KQFQL
283	O14958	198	YIKFFAT TF DKGVA
284	O14958	354	DDDDL P TAEELED
285	O14958	372	LSGKIN TE DDDED
286	O14965	28	PKRVLV TQ QFPCQ
287	O14965	82	QKQLQAT SV PHPV
288	O14965	95	SRPLNN TQ KSKQP
289	O14965	204	GYFHDA TR VYLIL
290	O14965	217	EYAPLG TV RELQ
291	O14965	233	KFDEQR TAT YITE
292	O14965	235	DEQRTA TY ITELA
293	O14965	292	RTTLCG TD YLPP
294	O14965	333	PPFEAN TY QETK
295	O14965	337	ANTYQ ET YKRISR
296	O14965	353	TFPDFV TE GARDL
297	O14965	384	LEHPWI TAN SSKP
298	O14974	34	VVKRQ KT KVFDD
299	O14974	374	EAETDK TK PLASV
300	O14974	399	VAVTTP TV SSGQA
301	O14974	406	VSSGQA TP TSPIK
302	O14974	408	SGQATP TS PIKKF
303	O14974	453	GALAEI TAS KEGQ
304	O14974	571	SSVPST TT STPTVT
305	O14974	594	SSTST TT KITTGS
306	O14974	649	ASTTTL TTTT AGT
307	O14974	700	RSTQGV TL LDLQE
308	O14974	774	RYRPV STS SSTTP
309	O14974	873	QEQQSD TE EGSNK
310	O14979	107	AAAATR TAR QHPP
311	O14979	165	TSKKDL TE YLSRF
312	O14979	185	IKTDPV TGR SRGF
313	O14979	402	YSGQQ STY GKASR
314	O14994	102	VIDDAH TD WSKYF
315	O14994	283	AKTYAT TE AFIDS
316	O14994	402	LPMPGG TAP SPLR
317	O14994	556	DTSQRG TP SEDEA
318	O15055	134	AKGKAS TL ATLKY
319	O15055	182	EEMESV TE SEHIVK
320	O15055	781	APGLRN TS GIDSP
321	O15055	1004	EAPEGG TG AMGTT
322	O15084	308	KSKDGK TP LMHTA
323	O15084	483	YAATSD TD GKCLE
324	O15084	688	KDKWGR TAL HARGA
325	O15084	961	VDENGY TP PALACA
326	O15105	96	ADLKAL TH SVLKK
327	O15105	121	VESRGG TR TACLL
328	O15105	235	VPSSAE TG GTNYL
329	O15105	354	DNPD SR LLVHKV
330	O15151	151	TSRKRT TE DDIPT
331	O15151	222	GSTD LQ TNQDVGT

332	O15151	299	DTDVEV T SEDEWQ
333	O15151	406	SSESQ E TISSMGE
334	O15160	27	VRNVHT T DFPGNY
335	O15160	147	RLQVR C TRNPHAA
336	O15160	189	DLFPEG T IRPVHD
337	O15160	313	IFSVEST T GVLPDP
338	O15162	15	NASHP E TNLPVGY
339	O15162	28	PPQYP P TAFQGPP
340	O15162	121	ELLEVL T GFETNN
341	O15162	125	VL T GFETNNKYEI
342	O15162	146	YFAAED T DCCTRN
343	O15162	150	EDTDC C TRNCCGP
344	O15162	174	MGQEV I TLERPLR
345	O15162	209	IGYVI Q TWHPCLP
346	O15162	218	PCLPK F TIQNEKR
347	O15162	264	KISKHW T GILREA
348	O15162	272	ILREAF T DADNFG
349	O15162	308	FMFFEST T GSQEQK
350	O15169	230	QSSGSG T GKGISG
351	O15169	336	ADTL S LTDSSVDG
352	O15169	543	HHVHH S TARPKEQ
353	O15169	815	QFKELL T KKGSYR
354	O15232	104	EFTKV K TFVSRII
355	O15232	120	DIGPAD T RVAVVN
356	O15232	160	TPLST G TMSGLAI
357	O15232	168	SGLAI Q TAMDEAF
358	O15232	195	KVAI I VTDGRPQD
359	O15232	314	DRCALN T HGCEHI
360	O15232	345	LNEDRK T CSAQDK
361	O15232	368	ICVND R TGSHHCE
362	O15232	380	ECYEG Y TLNADKK
363	O15232	387	LNADK K TCSVRDK
364	O15232	429	LNEDK K TCSATEE
365	O15232	467	YLQRLN T KLDDIL
366	O15240	118	EALL T ETVRSQTH
367	O15240	123	ETVRS Q THSLPAP
368	O15240	142	APPR P QTPENGPE
369	O15240	180	AKRQ Q ETAAAETE
370	O15240	185	ETAA A ETETRHT
371	O15240	191	TETR H TLTRVNL
372	O15240	193	TRTH T LTRVNLES
373	O15240	244	SGPL P ETHKFGEG
374	O15240	256	GVSS P KTHLGEAL
375	O15240	314	RRQAE A TRQAAAQ
376	O15240	451	EEMDP Q TIDSLIE
377	O15240	460	SLIEL S TKLHLPA
378	O15259	172	QQVGD L TFKKGEI
379	O15259	291	DTNG S ETGFRAWN
380	O15259	373	WDATE G TIRSRPS
381	O15259	423	VLSNI H TVRATWQ
382	O15264	17	KQDVN K TAWELPK
383	O15264	24	AWEL P KTYVSPTH
384	O15264	92	GLLDV F TPASSLR
385	O15264	203	WMHYN Q TVDIWSV
386	O15264	221	EMLT G KTLFKGKD
387	O15264	233	DYLD Q L T QILKVT
388	O15264	239	TQIL K VTGVPGTE
389	O15264	244	VTGV P GTEFVQKL

390	O15264	298	DVDKRL T AAQALT
391	O15264	304	TAAQAL T HPFFEP
392	O15264	318	RDPEEE T EAQQPF
393	O15264	334	LEHEKL T VDEWKQ
394	O15269	93	GPPSHK T VVNGKE
395	O15269	427	NRSIAL T QARYLE
396	O15269	449	SIRVVV T VEQTEE
397	O15269	453	VVTVEQ T EEELER
398	O15287	487	ELLFRAT T PEEKEQ
399	O15287	550	CPGNRD T YFHLLQ
400	O15287	568	DRRDEAT A LWWRL
401	O15287	578	WRLEAQ T KGSHEd
402	O15294	325	ALRLCP T HADSLN
403	O15294	643	VNMNGY T KGARNE
404	O15294	679	FMDYII T DQETSP
405	O15294	781	PVIPMN T IAEAVI
406	O15304	42	QEVFEK T KRLLFL
407	O15304	76	SPKPGP T GAPRAA
408	O15304	141	CGQCVR T CWGCGS
409	O15304	151	CGSVAC T LCGLVD
410	O15350	108	PSSTFD T MSPAPV
411	O15350	143	AKSATW T YSPLLK
412	O15350	158	YCQIAK T CPIQIK
413	O15350	167	IQIKV S TPPPPGT
414	O15350	188	KKAEHV T DVVKRC
415	O15350	251	VGTEFT T ILYNFM
416	O15350	482	VSGSHC T PPPPYH
417	O15350	498	SLVSFL T GLGCPN
418	O15350	524	YHLQNL T IEDLGA
419	O15350	556	QGHDY S TAQQLR
420	O15350	593	HFRVRH T ITIPNR
421	O15350	595	RVRHT I TIPNRGG
422	O15357	210	LPHLTR T LATSCR
423	O15357	324	VTLGDL T KIGKSQ
424	O15357	333	GKSQKF T LSVDVE
425	O15357	357	DSQEDW T TFTHDR
426	O15357	461	LDEVT V TIPHDIY
427	O15357	493	GGLKEL T DLDYRP
428	O15357	527	RISHV S TSSVKTG
429	O15357	600	DISLRF T HLFWFG
430	O15357	670	ERGSRD T YAWHKQ
431	O15357	763	VKTASR T KFFIEF
432	O15357	772	FIEFY S TCLEEKY
433	O15357	824	DQHLLL T VKSMDG
434	O15372	8	ASRKEG T GSTATS
435	O15372	60	QEEGQG T EVVQGV
436	O15372	123	VGWYQ S TYYGSFV
437	O15372	267	NTYMRN T SKQQQQ
438	O15382	87	QPFQNL T LHPASS
439	O15382	207	FPGGSV T PVSLLA
440	O15382	275	NIFVYW T HEDGVL
441	O15382	317	FRVVER T ITMKQL
442	O15392	21	KDHRIS T FKNWPf
443	O15392	97	KQFEEL T LGEFLK
444	O15392	127	KKEFE E TAKKVRr
445	O15400	66	NQLAKE T DKYIKE
446	O15400	78	EFGSLP T TPSEQR
447	O15400	79	FGSLPT T TPSEQRQ

448	O15400	237	QRKSRK TL CIIIL
449	O15446	182	KKEMQV TE APVTQ
450	O15446	232	AAGPVG TE PTVET
451	O15446	421	QAAPT ST KKKKKK
452	O15446	435	ERGHTV TE PIQPL
453	O15455	43	CSHLKL TQ VPDDL
454	O15455	86	LDVGFN TI SKLEP
455	O15455	123	KTFAF CT NLTELH
456	O15455	623	LQKNLI TS VEKKV
457	O15492	10	TLAAF P TT CLERA
458	O15492	11	LAAF P TT CLERAK
459	O15492	108	KKIRS A T KLASRA
460	O15492	159	DAAQ G K TR TLMEK
461	O15516	139	YVSES V TS LLEHL
462	O15516	201	CHMLRG T IDPKEP
463	O15516	209	DPKE P ST YEVKF
464	O15516	254	RVC F V A T VRLATP
465	O15516	259	ATVRL A T P QFIKE
466	O15516	277	EPNE E F TS RHSLE
467	O15516	353	QWIWL Q TH YYITY
468	O15516	429	RFDH S P TS PASSR
469	O15516	503	PVMS Q A T N LPIPQ
470	O15516	613	IQSGM N T GHIGTT
471	O15516	653	TS L P S Q T QSTLTA
472	O15516	834	QLSRH R T D SLPDP
473	O15530	33	SMV R T Q TE SSTPP
474	O15530	37	T Q TE S T P P GIPG
475	O15530	54	GPAM D G T A A EPRP
476	O15530	128	NKV P Y V T R ERDVM
477	O15530	182	SFDE T C T R FYTAE
478	O15530	186	TC T R F Y T A E IVSA
479	O15530	222	DMHI Q I T D FGTAK
480	O15530	226	Q I T D F G T A K VLSP
481	O15530	255	V S P E L L T E K SACK
482	O15530	359	Q T P P K L T A Y LPAM
483	O15530	402	S L S A S D T G L P QRS
484	O15530	522	V H T P N R T Y Y LMDP
485	O15547	27	G L L D Y K T E K Y VMT
486	O15547	223	LE T W D P T Y F K HCR
487	O15547	340	L I P T A V T L G T GAA
488	O15547	343	T A V T L G T G A A WLG
489	O15554	69	C T I S I S T F L L LCL
490	O15554	89	E V Q L F M T D N G LRD
491	O15554	247	L W L I P I T F L T IGY
492	O15554	398	L E K Q I D T L A G KLD
493	O43156	129	V I Q G L S T L M H SAY
494	O43156	288	K T G D K L T I L I K I
495	O43156	605	E H T C Q V T S F L A F S
496	O43156	977	G P V Y S H T L A F K L Q
497	O43164	50	S F K P C M T R H E R S L
498	O43164	112	G S A L N Q T T E S S Q S
499	O43164	131	S E E G R D T L G S S T N
500	O43164	136	D T L G S S T N L H N H S
501	O43164	165	G I A L V H T D S Y D P D
502	O43164	200	Q E S L G N T V F E L E N
503	O43164	331	S Q V D Q E T G F N R H E
504	O43164	395	T E N N Q M T S E S G A T
505	O43164	447	P H R F S G T E K D Q S S

506	O43164	460	SDESWE T LPGKDE
507	O43164	626	LVLEDH T AIGQEQ
508	O43164	648	IKDDIA T ELPCHH
509	O43175	60	RSATKV T ADVINA
510	O43175	89	VDLEAA T RKGILV
511	O43175	125	RQIPQA T ASMKDG
512	O43175	329	SAFSPH T KPWIGL
513	O43255	37	APPAA T ISAAGP
514	O43255	75	PQHHEL T SLFECF
515	O43255	113	KLSCCP T CRGALT
516	O43255	142	FPCKYA T TGCSLT
517	O43255	143	PCKYA T TGCSLTL
518	O43255	148	TTGCSL T LHHTEK
519	O43255	152	SLTLHH T EKPEHE
520	O43255	196	HAHKS I T TLQGED
521	O43255	197	AHKS I T TLQGED
522	O43255	254	IVLLIG T RKQAEN
523	O43255	275	GNRRRL T WEATPR
524	O43255	279	RLTWEA T PRSIHD
525	O43257	64	FDDDAD T GKKKKK
526	O43257	71	GKKKKK T RGDHFK
527	O43257	127	GFPSPY T CVSCGA
528	O43257	137	CGARYC T VRCLGT
529	O43257	143	TVRCLG T HQETRC
530	O43264	127	EYNCA L T EKKYVT
531	O43264	438	NVPELP T PDEDNK
532	O43264	498	QTLLEA T TSSDQC
533	O43264	499	TLLEA T TSSDQCA
534	O43294	14	LSDLET T TSHMPR
535	O43294	155	ASATS A T LELDRL
536	O43294	259	VCGGC S T ALGGSS
537	O43294	430	FHPDH F T CTFCLR
538	O43318	126	EPLPY Y T AAHAMS
539	O43318	169	LLVAGG T VLKICD
540	O43318	224	ILWEV I T RRKPFD
541	O43318	285	EIVKIM T HLMRYF
542	O43318	341	MEQVPA T NDTIKR
543	O43318	344	VPATND T IKRLES
544	O43318	382	VESLP P T SEGKRM
545	O43318	466	PSVRM I T TSGPTS
546	O43318	471	ITTSG P T SEKPTR
547	O43318	487	WTPDD S T DTNGSD
548	O43318	489	PDDSD T NGSDNS
549	O43318	564	EKDQQN T SRLVQE
550	O43324	35	QIPVL Q T NNGPSL
551	O43324	42	NNGPSL T GLTTIA
552	O43324	80	WLEYRV T QVDGHS
553	O43324	93	SKNDIH T LLKDLN
554	O43353	411	AFCDHK T TPC SSA
555	O43353	424	IINPL S T AGNSER
556	O43353	479	DYELV S T KPTRTS
557	O43353	494	RQLLD T T DIQGEE
558	O43390	119	SKVQES T KGPDEA
559	O43390	165	VQPGIG T EVFVGK
560	O43390	429	RQASR S T AYEDYY
561	O43390	588	DSKRR Q T NNQQNW
562	O43432	253	EGQTSE T TAIVSI
563	O43432	269	PLPPSP T TVSSVA

564	O43432	1019	KVQQLM T KEKRRP
565	O43432	1504	KYLDSD T EKELQA
566	O43463	146	SHLGRI T VENEVD
567	O43463	309	YVEDVY T VDAAYY
568	O43463	354	AFFATR T IRAGEE
569	O43463	377	PVDMES T RMDSNF
570	O43490	377	VQRQTT T VVAGIK
571	O43490	530	LFRVLD T PYLLNE
572	O43490	679	DAQTIK T IHQQRV
573	O43490	833	VYDDVE T IPMKNM
574	O43491	23	QLGTDA T KEKPKE
575	O43491	493	VCVEHH T FYRLVS
576	O43491	801	PEASPV T QAGASV
577	O43491	812	SVITVE T VIQENV
578	O43493	42	SAGNV S THPSLSQ
579	O43493	80	AQTPED T PNKSGA
580	O43493	104	SGAEAK T QKGSTS
581	O43493	132	SHPELQ T PKDSTG
582	O43493	146	SGAEAQ T PEDSPN
583	O43493	160	SGAEAK T QKDSPS
584	O43493	175	GSEAQT T KDVPNK
585	O43493	216	SGAEKQ T PKDGSN
586	O43493	280	ELPKAD T NQLADK
587	O43493	296	SPHAFK T ESGEET
588	O43493	318	VKSSEPT E DVEPK
589	O43493	391	FFAYLV T AAILVA
590	O43504	36	NLGCRG T LSDEHA
591	O43504	56	QQAAKL T SDPTDI
592	O43504	60	KLTSDP T DIPVVC
593	O43504	83	QKHDGI T VAVHKM
594	O43521	34	LRPGAP T SLQTEP
595	O43521	38	APTSLQ T EPQGNP
596	O43521	75	SPGPFAT R SPLFI
597	O43521	101	GYFSFD T DRSPAP
598	O43524	114	PGSGPAT A AGGLS
599	O43524	123	GGLSGG T QALLQP
600	O43524	261	DNSNKY T KSRGRA
601	O43524	307	DELDAW T DFRSRT
602	O43524	331	SPIMAS T ELDEVQ
603	O43524	363	SVSKPC T VELPRL
604	O43524	383	NLNDGL T ENLMDD
605	O43524	418	SSFPHY T TKGSLG
606	O43524	458	QENKPAT F SSMSH
607	O43524	595	GSSLYS T SANLPV
608	O43524	648	FDSLIS T QNVVGL
609	O43525	91	IGLLAK T PLSRPV
610	O43525	326	GDKTPK T WEGRLI
611	O43525	388	AWRYYAT N PNRID
612	O43525	446	TKGKLF T PLNVDA
613	O43525	492	SSEDAG T GDPMAE
614	O43525	579	TPGPPS T PKHKKS
615	O43525	663	YYPTKG T SSPAEA
616	O43525	733	SGKVQA T PPSSAT
617	O43525	739	TPPSSAT T YVERP
618	O43525	746	TYVERP T VLPILT
619	O43525	783	RQRRSI T RDSDTP
620	O43525	846	TDTDPF T PSGSMP
621	O43526	133	YILEIV T IVVFGV

622	O43526	194	QGNVFAT S ALRSL
623	O43526	234	HSKELV T AWYIGF
624	O43526	296	GRLLAAT F TLIGV
625	O43526	298	LLAAT F TLIGVSF
626	O43526	354	ATNLSR T DLHSTW
627	O43526	359	RTDLHS T WQYYER
628	O43526	368	YYERTV T VPMYSS
629	O43526	529	CPCEFV T EDLTPG
630	O43526	653	RMGIPP T ETEAYF
631	O43526	730	PRQGHG T SPVGDH
632	O43526	786	NLRDSD T SISIPS
633	O43541	176	QELKTV T YSLLKR
634	O43541	297	LDLSDS T LSYTET
635	O43541	326	SMSPDAT K P SHWC
636	O43541	416	IFVNSP T LDAPGG
637	O43548	210	FQTDPA T DCALRG
638	O43548	287	FAAVMCT T VMRCLG
639	O43548	308	FDSGHD T DGNLII
640	O43548	590	YSQYLS T DKLIRI
641	O43561	133	VWGPSW T RLTPVS
642	O43561	136	PSWTRL T PVSLPP
643	O43561	174	STPAT S TAAPSAP
644	O43561	184	SAPAL S TPGIRDS
645	O43602	55	VGMCEE T DASFNV
646	O43602	95	FDERDK T SRNMRG
647	O43602	293	SFEQVL T DITEAI
648	O43602	414	SPIST P TSPGSLR
649	O43633	10	LFGRRK T PEELLR
650	O43633	92	VSLKI Q TLKSNN
651	O43633	107	QAMKGV T KAMGTM
652	O43633	176	ELGLSL T DELSNL
653	O43663	40	DQRLQR T EVVKKH
654	O43663	78	CQKELN T LCSELH
655	O43663	95	QEEGET T ILQLEK
656	O43663	162	FRQHVT T LRETKA
657	O43663	241	VCEGLR T QIRELW
658	O43663	327	FCAEDY T ESLLQL
659	O43663	458	LKNKK Q TETEMLY
660	O43663	490	KARKLN T TTMSNA
661	O43663	509	RPIFGG T VYHSPV
662	O43663	536	TCSGKK T PRTGRH
663	O43663	539	GKKTPR T GRHGAN
664	O43663	593	SLSDSS T VGLQRE
665	O43683	173	VLNQMI T SKSNPG
666	O43683	343	APCLPV T YQQTPV
667	O43683	392	VPLKA Q TVTDSMF
668	O43683	440	NTSSFH T TPNTSL
669	O43683	444	FHTTPN T SLGMVQ
670	O43683	479	NMFQAP T LPDISD
671	O43683	552	KPTGAR T FGERSV
672	O43683	589	GIRCNK T LAPSPK
673	O43683	601	KSPGDF T SAAQLA
674	O43683	703	ACRLTD T DAAIAE
675	O43683	764	VSSYPN T FEWQCK
676	O43683	968	FTAKCE T SGFQCV
677	O43760	116	LFSALW T FLWFVG
678	O43760	127	VGFCFL T NQWAVT
679	O43760	150	SVRAAI T FSFFSI

680	O43760	214	FTQNAE T TEGYQP
681	O43768	14	ENPAEE T GEEKQD
682	O43768	93	PDKNLV T GDHIPT
683	O43768	99	TGDHIPT P QDL PQ
684	O43768	112	RKSSLV T SKLAGG
685	O43809	36	PLTLER T INLYPL
686	O43809	49	TNYTFG T KEPLYE
687	O43809	102	LLQLGT T FFKLPG
688	O43809	126	GLKRLM T EILGRQ
689	O60256	11	TPPELE T KMNITK
690	O60256	85	SKDVNT T IMELLI
691	O60256	323	EVVVTN T IPHEVQ
692	O60256	338	QCPKIK T VDISMI
693	O60260	125	LAVILH T DSRKDS
694	O60260	222	PTSDKE T SVALHL
695	O60260	351	PDQRKV T CEGGNG
696	O60260	410	EAASKET I KKTTK
697	O60285	65	ETLGKG T YGKVKR
698	O60285	73	GKVKRAT E RFSGR
699	O60285	155	RLSERE T RHFFRQ
700	O60285	245	LGVLLY T LVYGTM
701	O60285	250	YTLVYG T MPFDGF
702	O60285	274	GEYREPT Q PSDAR
703	O60285	339	DWHHR S TGLQADT
704	O60285	345	TGLQAD T EAKMKG
705	O60285	357	GLAKPT T SEVMLE
706	O60285	535	SKYSAG T MDPALV
707	O60285	641	SSFSL L TDMDDVT
708	O60285	647	TDMDDV T QVYKQA
709	O60331	69	VDASGE T TYKKT
710	O60331	74	ETTYKK T SSTLK
711	O60331	78	KKTT S TLKGAIQ
712	O60331	543	ERSPSE T SEQPRY
713	O60343	110	GTSPSAT Q PNPAV
714	O60343	274	PEEADG T DTHLGL
715	O60343	432	VDEVML T LKQAFS
716	O60343	439	LKQAF S TAAALQS
717	O60343	448	ALQSAK T QIKLCE
718	O60343	650	SHPP S TKRKLNL
719	O60343	701	SLPSLH T SFSAPS
720	O60343	709	FSAPS F TAPSFLK
721	O60343	1147	VEFLKN T LPDMNT
722	O60343	1153	TLPDMN T SEMEKI
723	O60343	1242	NLLTRE T KMKSLI
724	O60343	1261	KMAYQK T VEQLRK
725	O60493	8	AETVAD T RRLITK
726	O60493	13	DTRRLI T KPQNLN
727	O60493	38	DVSNP Q TVGVGRG
728	O60493	47	VGRGR F TTYEIRV
729	O60566	70	YEIRFY T GNDPLD
730	O60566	85	DRYISW T EQNYPQ
731	O60566	237	KSKGKK T ARAPII
732	O60566	464	TTQQER T GDQQEE
733	O60566	493	QKIPGM T LSSSVC
734	O60566	600	TGFRNV T ICPNPE
735	O60566	608	CPNPED T CDFARA
736	O60566	654	TSEDQQ T ACGTIY
737	O60566	695	SASVAST S SIKCL

738	060566	855	QHSEYITHEITVL
739	060566	1025	MNGVFDTTFQSHL
740	060566	1026	NGVFDTTFQSHLN
741	060602	62	NYIRTVTASSFPF
742	060602	398	RDNALTTIHFIPS
743	060602	468	SCSGDQTPSENPS
744	060602	491	LQLAWETELCWDV
745	060610	14	LGPGRGTRDKKKG
746	060610	131	VSQYLYTSKAGMS
747	060610	284	RVLEAMTERAEMD
748	060610	307	GLKSGTTIALKVG
749	060610	400	FQILLNTVKDSKA
750	060610	532	EKQQIATEKQDLE
751	060610	673	SSLPGGTAIPPPP
752	060610	1010	LCKLRDTKSTDQK
753	060610	1113	MHSNMETLYKELG
754	060610	1196	NAEGDETGVMDSL
755	060610	1238	LLASELTKDDAMA
756	060610	1259	NSETFPTILEEAK
757	060658	246	ANPAFETTMGYQS
758	060658	412	SSPMPVTEALDRV
759	060658	594	AALIAATIHDVDH
760	060658	771	PVFDRNTCSIPKS
761	060674	267	LQSAFYTEKFEVK
762	060674	530	PTLQRPTHMNQMV
763	060674	576	YGQLHETEVLKLV
764	060674	979	IHRDLATRNILVE
765	060678	58	FCNRLFTSAEETF
766	060678	426	KHIDCHTTSISDL
767	060678	443	DFTLKITRTSMCT
768	060678	504	ALKGKVTVHKSKK
769	060711	63	PAQLVYTTNIQEL
770	060711	64	AQLVYTTNIQELN
771	060711	146	QDLGIATVPKGHC
772	060711	224	ILDKVL TAMNQTW
773	060716	59	PLMANGTLTRRHQ
774	060716	177	SNNYIQTLGRDFR
775	060716	498	HALHALTDEVIIP
776	060716	528	EWESVLNTAGCL
777	060763	71	LIHVLQTDSDSE
778	060763	318	LLQQLCTILMATG
779	060763	490	QGSKIQTRVGLLM
780	060763	625	ELEGVITKAIYKS
781	060832	70	VRTTHYTPLACGS
782	060832	129	TLDPKV TGCLIVC
783	060832	294	PLEKLLTSHKRLV
784	060832	497	DGDSDTTKKKKKK
785	060841	13	NKSEDSTKDDIDL
786	060841	84	TVAVKPTENNEEE
787	060841	409	KEGKLLTKSQREA
788	060841	1179	GRHFEATDILVSK
789	060869	8	AESDWDTVTVLRK
790	060869	18	LRKKGPTAAQAKS
791	060869	58	HSITKN TAKLDRE
792	060869	74	LHHDRV TLEVGVK
793	060870	133	LCKVDETPKGWYI
794	060870	277	KKRTARTDYWLQP
795	060870	313	EVIDKYTAVVKMI

796	060870	330	KLKLDQ TH LETVI
797	060885	9	AESGPG TRL RNLFP
798	060885	221	PPP VQATPH PFPA
799	060885	573	EPPPK KTK KNNSS
800	060885	1186	QKQEP KTP VAPKK
801	060928	107	KYITS FTAA FSFS
802	060928	194	IFQVAN TRPS PLT
803	060928	220	NGKLY QTSV DFHL
804	060928	337	SKSPNR TDLD DIHI
805	060934	98	KSGDGI TFGV FGS
806	060934	144	FTVNNW TEEC THL
807	060934	158	MVSVKV TIKT ICA
808	060934	362	APVNTT TYVA DTE
809	075030	121	EVLKV QTH LENPT
810	075030	254	ALQMANT LPV SGN
811	075030	336	RIKELG TLIP KSN
812	075030	410	LSLIP STGL CSPD
813	075044	203	KQEDR QTPR SPDS
814	075044	446	RANQ QETE QFYFT
815	075044	452	TEQFY FTKM KEYL
816	075044	477	HDLLQ KTLG ESQR
817	075056	110	ALAVST TPAV LPT
818	075056	241	TAAVLD TEAP TPR
819	075056	280	STLPLG TTAP GPT
820	075056	300	PETFLT TTIR DEPE
821	075116	451	IQKKLY TL EEHLS
822	075116	554	QNSQIS TEKV NQL
823	075116	711	EAEHK ATKAR LAD
824	075116	806	TQKRCL TQND LKM
825	075143	116	EIKVSY TVYN RLS
826	075143	132	KSLLA ITRV TPAY
827	075143	135	LAITRV TPAY RLS
828	075143	238	RTAGED TGVI YPS
829	075151	97	KELRSR TFPS AED
830	075151	200	NLEFSD TRMS SFV
831	075151	654	KALRP P TSPGVFG
832	075151	986	STTPAS TTPA STT
833	075154	405	AELSP ETLC NGQL
834	075154	443	HQSGAL TME ALED
835	075154	587	DEIESL TLRL SEE
836	075154	690	LNGQII TL SIQGA
837	075155	16	SLLEKM TSSD KDF
838	075155	93	IVDTLC TNMR SDK
839	075155	301	PHVPNV TS LCLQY
840	075155	626	RLRNEI TRL PAIK
841	075179	978	GSIANL TEL QGVI
842	075179	1042	AMSNT P THSIAAS
843	075179	1830	TTTAAN TS LMGIK
844	075179	2223	SVQLP ST LSTQSA
845	075348	71	SRGSC TEVE KET
846	075348	77	TEVEKE TQEK MTI
847	075348	82	ETQEK MTIL QTYF
848	075348	86	KMTIL QTYF RQNR
849	075367	57	AVLEYL TA EILEL
850	075367	77	NKKGRV TPR HILL
851	075367	99	QLLKGV TI ASGGV
852	075367	174	AASAD ST TEGTPA
853	075367	175	ASAD ST TEGTPAD

854	075367	184	TPADGFT TV LSTKS
855	075367	188	GFTVLST TK SLFLG
856	075367	219	EAIINPT TN ADIDL
857	075367	232	KDDLGN TL EKKGG
858	075367	293	EELLEK TV KNCLA
859	075367	325	NGFPKQ TAA QLIL
860	075367	341	SSYFVST TM SSSIK
861	075381	72	AFQQSG TA ADEPS
862	075381	164	SVAQTV TQ LQTTL
863	075381	200	AKATTST TN WILES
864	075381	272	PVSNEST TS SSPGK
865	075410	197	LQDEAM TE GSMGV
866	075410	294	PPDLKET TP GTLS
867	075410	434	PFKPTT TL TSSDF
868	075410	559	AGIEKET TC QMEE
869	075449	46	LYSVKD TY LQQKW
870	075449	81	SFKLDS TP LKAAQ
871	075449	132	HGNRPST TV RVHR
872	075449	175	KSPAAV TE PETNK
873	075449	256	PPGTGK TL LAKAV
874	075449	264	LAKAVATE CK TTF
875	075449	268	VATECK TT FFNVS
876	075449	269	ATECKT TT FFNVSS
877	075449	343	MDGVGG TS ENDDP
878	075449	422	YSGADI TN VCRDA
879	075449	441	RRIEGL TP EEIRN
880	075449	457	EEMHMPT TM EDFE
881	075496	59	HRNDHL TS TSSP
882	075496	62	DHLTST TS SPGVI
883	075496	180	FDSEET TV EDSLV
884	075496	193	EDSEIG TC AEGTV
885	075530	55	NTERPD TP TNTPN
886	075530	285	DYNPNK TN RPFIS
887	075530	351	PSESNV TI LGRFD
888	075530	402	PHKAKC TL LTHHK
889	075531	66	REWLKD TC GANAK
890	075533	125	YKKHRR TM IISPE
891	075533	235	SLRWDE TP GRAKG
892	075533	362	GKTPIG TP AMNMA
893	075533	371	MNMATP TP GHIMS
894	075533	448	TGFHMQ TE DRTMK
895	075533	543	PLLMSP TL EDQER
896	075533	798	VKQCCG TD GVEAN
897	075533	1077	KAIRRA TV NTFGY
898	075533	1096	PHDVLAT TL LNNLK
899	075533	1113	QNRVCT TV AIAIV
900	075533	1170	DYIYAV TP LLEDA
901	075533	1294	YNDDKN TY IRYEL
902	075563	26	LLADVET TF VADIL
903	075563	85	FAGPPD TI SLASE
904	075563	147	WCALSK TV FYYYG
905	075563	309	QGLWDC TG AFSDE
906	075569	71	TFTFRV TV GDITC
907	075569	76	VTVGDI TC TGEGT
908	075569	146	WRLPEY TL SQEGG
909	075569	204	ENHISL TN VVGHS
910	075581	155	SGFMYW TD WGEVP
911	075581	337	LLLARR TD LRRIS

912	075581	435	VTRLNG T MRKILI
913	075581	649	RRISLE T NNNNVA
914	075581	659	NVAIPL T GVKEAS
915	075581	784	MDGSER T TLVPNV
916	075581	848	QDYIYW T DWSRRS
917	075581	928	LNADNR T CSAPTT
918	075581	1074	KGYMYF T NLQERS
919	075581	1258	QQFTCF T GEIDCI
920	075581	1363	ELDCYP T EEPAPQ
921	075581	1511	SSNSP S THRSYSY
922	075582	57	LLKVLG T GAYGKV
923	075582	74	KISGHD T GKLYAM
924	075582	95	VQAKT T EHTRTE
925	075582	100	TTEHTR T ERQVLE
926	075582	406	VERPGV T NVARSA
927	075582	669	LIQGLL T VDPNKR
928	075582	713	SGAAVH T CVKATF
929	075582	753	KKTST S TETRSSS
930	075582	774	SHSHGK T TPTKTL
931	075582	775	HSHGK T TPTKTLQ
932	075582	779	KTTPTK T LQPSNP
933	075582	793	DSNNP E TLFQFSD
934	075607	18	LSQESR T RAGGVG
935	075607	33	RVPAPV T MDSFFF
936	075607	72	LTMLCL T EGAKDE
937	075607	141	GRHQIV T MSNDVS
938	075636	23	GPACLK T QEHPS
939	075636	102	LLSQGAT L SGWYH
940	075636	218	GKFSEG T AGDSL
941	075636	232	HSGRP F TTYDADH
942	075689	35	PDWASY T LGVFIC
943	075689	97	SFYR P TPSDCQL
944	075689	154	SRKFVL T EREGAL
945	075689	183	IEHLNAT F QPAKI
946	075689	198	PHGLQV T YLDNS
947	075689	205	YLKDN S TRNIFY
948	075689	262	EGYMEK T GPKQTE
949	075689	307	SKESGY T VLHGFP
950	075689	316	HGFPP S TQGHWP
951	075689	326	HWP H GI T IIVTPDR
952	075689	329	HGITIV T PDRKFL
953	075689	340	FLFAC E TESDQRE
954	075716	12	CVCSR G TVIIDNK
955	075716	105	PFFKRG T LWNEIE
956	075716	121	DKGNFL T EDQILW
957	075716	152	HRDLKP T NILLGD
958	075716	195	WAAQR C TISYRAP
959	075716	216	CVIDER T DVWSLG
960	075716	274	LLNSMM T VDPHQR
961	075807	208	EAHRT S TALS
962	075807	232	EEENQ A TEDKRTE
963	075807	542	KRPET P THDPDPE
964	075807	563	RFSEKV T VHFLAV
965	075821	27	EDDKCV T SELLKG
966	075821	66	INGNIK T VTEYKI
967	075821	89	RTFRIE T RKASKA
968	075821	119	PGPNVAT T TVSDD
969	075821	120	GPNVAT T TVSDDV

970	075821	121	PNVATT TV SDDVS
971	075821	129	SDDVSM TF ITSKE
972	075821	174	RCPYKD TL GPMQK
973	075821	206	LEPVQAT Q NKTGK
974	075821	240	RADDNAT I RVTNL
975	075821	244	NATIRV TN LSEDT
976	075821	276	LAKDKT TG QSKGF
977	075822	33	KVGGGG T AGGDRW
978	075822	135	LELAKE TF GVNNA
979	075822	157	SSRDDF TE FGKLL
980	075822	168	LLKDKI TQ EKSL
981	075822	200	DDLKKI TN SLTVL
982	075822	204	KITNSL TV LCEK
983	075822	235	GGGLKAT TM KDDLA
984	075915	45	NLLYYQ TN YLVVA
985	075915	78	VVVLVF TG FWAA
986	075915	100	KKRYPT TF VMVVM
987	075915	180	EGINRL TD YISKV
988	075925	39	RKHELL TK ALHLL
989	075925	207	RFCLSE TS CPQED
990	075925	237	PGYLP PT KNGVEP
991	075925	412	QFKEDG TW APMRS
992	075934	40	ALVEEE TR RYRPT
993	075934	46	TRRYRP TK NYLSY
994	075934	101	GQKNDI T AWQECV
995	075934	198	NYEIERT TI VQLEN
996	075943	13	RPKVSS TK VDWV
997	075943	38	VSTITAT SL GVNN
998	075943	115	KIEEVE TW LKAQV
999	075943	633	ESLGE PT QATVPE
1000	075995	103	SEEMAD TL EEGSA
1001	075995	112	EGSAS PT SPDYSL
1002	075995	256	KRPKP KL HELLE
1003	075995	280	LLNGYQ TL EDFKE
1004	076021	312	RQQARK T ASVLSK
1005	076021	329	PESGDT TV KKPES
1006	076021	388	EIQKHAT G KKSPA
1007	076021	454	KKDARQ TP KKPEA
1008	076024	80	ADGTGP TK GDMEI
1009	076024	170	RQLSSE TD LERAV
1010	076024	337	FIVSNL TI DFFAF
1011	076024	442	TGFFT VTS YLSLS
1012	076024	461	TRRALA TE VTAGL
1013	076024	487	LKVLGQ TF ITVPV
1014	076024	595	FTSLEL TK IAVTV
1015	076024	600	LTKIAV TV AVCSV
1016	076024	681	PRAWKE TN MARTQ
1017	076024	686	ETNMART Q ILCSH
1018	076024	699	LEGHRV TW TGRFK
1019	076024	747	ACSPGN T STAESE
1020	076061	11	RLGQFM TL LALVLA
1021	076061	18	LALVLA TF DPARG
1022	076061	25	FDPARG TD ATNPP
1023	076061	28	ARGTDA TN PPEGP
1024	076061	50	RLSLQN T AEIQHC
1025	076061	87	LHGICM TF LNAG
1026	076061	153	AAAQEN TR VIVEM
1027	076061	180	LVNLLL TC GEEVK

1028	076061	190	EVKEAI TH SVQVQ
1029	076061	212	SILSFCT SA IQKP
1030	076061	220	AIQKP P TAPPERQ
1031	076061	232	QPQVDR TK LSRAH
1032	076094	46	INKDDV TAL HCKV
1033	076094	214	RSLS EDTD GTEED
1034	076094	602	DQIGKG TQ GATAG
1035	076094	606	KGTQGA TAG ASSE
1036	094760	91	EETALI TR PGAPS
1037	094760	165	KDYAVS TV PVADG
1038	094760	238	HVLLHR TP EEYPE
1039	094760	273	KVDGL L TCCSVLI
1040	094763	350	KRVRIN TG KNTTL
1041	094763	480	PEAFSG TV IEKEF
1042	094763	504	AHPAL P TIPERKE
1043	094763	519	LEASE ETG KRVSK
1044	094811	67	HGDAR ATG REMHG
1045	094811	94	GRNV TVTD VDIVF
1046	094811	110	KGKSCR TI TFEQF
1047	094811	112	KSCR TI TFEQFQE
1048	094811	155	PIISGV TK AISSP
1049	094811	162	KAIS SP TVSRLTD
1050	094811	167	PTVSRL TD TTKFT
1051	094811	169	VSRL TD TTKFTGS
1052	094811	170	SRL TD TTKFTGSH
1053	094811	173	TD TTKFTG SHKER
1054	094811	210	GYKHAG TYD QKVQ
1055	094832	96	KRRSKD TC CIVISG
1056	094832	109	ESGAGK TE ASKYI
1057	094832	566	RPLTA ATL FKNSM
1058	094832	631	GFAFRQ TYE KFLH
1059	094875	85	DESGIP TA IRTTV
1060	094875	90	PTAIR TTV DRPKD
1061	094875	289	DLPGS ST TLTKSF
1062	094875	1086	VGTSR RTK FFGTF
1063	094915	795	WIFAHV TQ GQDPW
1064	094915	1390	EVENV WTT LADGW
1065	094915	2076	ASTQEM TV HLLSK
1066	094915	2270	KTYGGD TG SPEIS
1067	094916	85	GACSS FTT SSSPT
1068	094916	140	STPKRH TV LYISP
1069	094916	188	NFSNM ST SSYNDN
1070	094916	261	LENQKG TG VKKSP
1071	094916	674	KAYNP ETL TTIQT
1072	094916	677	NPETL TTI QTQDI
1073	094916	852	FSST EP TVHTRPD
1074	094916	875	HPQSEN TL SNQQQ
1075	094916	1027	VNLF SS TKSMMSV
1076	094916	1275	LFSN QNT MATMAS
1077	094916	1349	QSESSQ T PLFHSS
1078	094916	1460	NCSQL L TSGPATL
1079	095069	39	PRLSF STK PTVLA
1080	095069	219	KWNV SQ TKIRIIS
1081	095069	378	NHNQEL T PCRRTL
1082	095069	411	IYLNGL TP HCAGE
1083	095071	605	KQEPVK TE MGPPP
1084	095071	1057	TTAATG TG QGPST
1085	095071	1071	TIPGP ST EPSVVE

1086	095071	1198	DIFECR TC GLLES
1087	095071	1242	EKCKCK TL IAGQK
1088	095071	1400	DILLLD TL LGLTV
1089	095071	1698	DEPLER TT NSSHA
1090	095071	1699	EPLERT TT NSSHAN
1091	095071	1760	RSGTIS TS AAAAA
1092	095071	1838	EEKLIPT TT WNWVS
1093	095071	2159	LAEIGL TE SEGPP
1094	095071	2671	NSLEDL TA EDFRL
1095	095084	158	TSVKLS TG CTGTL
1096	095084	187	KTYVKG TQ KLRVG
1097	095084	227	WIRVKR TH VPKGW
1098	095084	301	CDVKDE TY DLLYQ
1099	095235	572	VVEAMK TL LLKER
1100	095235	634	ILKESL TS FYQEE
1101	095235	686	LAASAS TQ QLQEV
1102	095235	706	KAELNS TT EELHK
1103	095251	67	NLQSF GTE EPAYS
1104	095251	74	EEPAYS TR RVTRS
1105	095251	104	RSSGSE TE QVDF
1106	095251	115	DFSDRE TK NTADH
1107	095251	130	SPPRT PTG NAPSS
1108	095251	197	NSLGHL TG KHERH
1109	095251	302	PLEN LT SEYDL
1110	095251	349	GRYELD TW YHSPY
1111	095251	447	FLFYVM TE ADNTG
1112	095251	452	MTEADN TG CHLIG
1113	095251	477	NVSCIL TM PQYMR
1114	095251	548	KEISQ ETA VNPVD
1115	095267	134	FVRYW ITE FWVMF
1116	095267	171	HCRLID TT QINAR
1117	095267	172	CRLID TT QINARD
1118	095267	243	CVKEN PTM ERSIA
1119	095267	293	QLQNF NL MAVIG
1120	095267	328	KVLGEM TE LLSSS
1121	095267	414	DLVHLL TL SLDLY
1122	095267	466	PKPDPK TI SKHVQ
1123	095267	547	PHNFQ ET TYLKPT
1124	095267	553	TTYLK PTF CDNCA
1125	095267	602	KNPVAP TEN NTSV
1126	095267	757	LEQEIN TL KADND
1127	095278	111	HHDRCC TY NENNL
1128	095278	187	KHELGI TA VMNFQ
1129	095278	233	AYIWM PTP DMSTE
1130	095278	274	AGVGRS TA AVCGW
1131	095297	57	GTQGKL TC KFKST
1132	095297	65	KFKSTS TT GGLTS
1133	095297	205	DYTGCS TS ESLSP
1134	095297	223	RKSPSD TE GLVKS
1135	095373	112	IRVQL TC IIHHI
1136	095373	395	PTTAAQ TL LFTAC
1137	095373	705	NYVTVD TD TLLSD
1138	095373	997	QLQDIAT TL ADQRR
1139	095453	44	PSVSAL TN GFDTP
1140	095453	316	EFKEMT TC VFPRL
1141	095453	353	EKRLKE TP FNPPK
1142	095453	458	FPKEWK TS DLYQL
1143	095470	148	EGRASG TV YSGEE

1144	095470	207	DSCGCV T SGGTES
1145	095470	280	RAISRNT A MLVCS
1146	095470	380	YQFFVD T DWQGGI
1147	095477	823	DGFNLT T SVSMML
1148	095477	947	TTMSIL T GLFPPT
1149	095477	1437	AGEEEW T TAPVPQ
1150	095477	1455	FQNGNW T MQNPSP
1151	095551	83	TISEPK T YVDLTN
1152	095551	93	LTNEET T DSTTSK
1153	095551	96	EETDST T TSKISP
1154	095551	97	ETDST T SKISPS
1155	095551	118	SMFSLI T WNIDGL
1156	095551	180	HEEGYF T AIMLKK
1157	095551	202	IIPFP S TKMMRNL
1158	095551	224	NELCLM T SHLEST
1159	095551	230	TSHLEST R GHAAE
1160	095551	263	VIFAGD T NLRDRE
1161	095551	299	CQYTD T QMNSNL
1162	095551	308	NSNLGI T AACKLR
1163	095630	281	TARGVE T CGILCG
1164	095630	330	DQQGLI T LGIHT
1165	095630	341	HTHPT Q TAFSSV
1166	095630	351	SSVDLH T HCSYQM
1167	095633	47	QQGQEA T CSVLQ
1168	095633	54	CSVLQ T DVTRAE
1169	095633	141	CGSDGA T YRDECE
1170	095633	246	AGSCAG T PEEPPG
1171	095644	405	PKPLSP T SYMSPT
1172	095644	646	WEMEAK T DRDLCK
1173	095644	669	FRNQRI T SPVHVS
1174	095644	756	PCPQR S TLMPAAP
1175	095714	333	ERSAQ G TSAPLLP
1176	095714	1074	GESIG Q TSDISSP
1177	095714	1842	AQGASAT V LEETR
1178	095714	1990	IMQSEAT K TLCGL
1179	095714	2036	VRSIAL T PQVCGA
1180	095714	2251	QFSDMR T CRVCPL
1181	095714	2550	VVTES Q TYKKRAD
1182	095714	2707	SIHPGV T CDGCQM
1183	095714	3293	GQQNG T TTVNRK
1184	095714	3294	QQNG T TTVNRKP
1185	095714	3648	FDRQC S TERRHDP
1186	095714	4666	PLLSLF T GYELET
1187	095777	12	ENYINR T VAVITS
1188	095777	17	RTVAVI T SDGRMI
1189	095777	26	GRMIV G TLKGFDQ
1190	095777	33	LKGFD Q TINLILD
1191	095785	871	DAQSL T TCEVCGA
1192	095785	1072	LRQMGV T EWYVNG
1193	095785	1153	PLGHSP T ASPPPT
1194	095785	1584	VPRPP Q TSLVKFV
1195	095786	145	ILQIC S TKGMMAG
1196	095786	170	KENWP K TLKLALE
1197	095786	206	LEDKME T SDIQIF
1198	095786	266	TIICAP T GCGKTF
1199	095786	377	FDECHN T SKQHPY
1200	095786	409	PQVIGL T ASVGVG
1201	095786	441	DASVIA T VKHNLE

1202	095786	542	KALFLY T SHLRKY
1203	095786	628	YHLNPET I TITILFV
1204	095786	630	LNPETI I TILFVKT
1205	095786	636	TILFVK T RALVDA
1206	095786	674	NQNTGM T LPAQKC
1207	095810	57	SQVNAV T VLTLDD
1208	095810	110	QASTSN T VSKLLE
1209	095810	196	NKSLEET L HTVDL
1210	095810	276	KIKKSL T SNHQKI
1211	095835	17	RQMRPK T FPASNY
1212	095835	307	PPPPLN T SPMNPP
1213	095835	367	NVVPAG T VNRQPP
1214	095835	379	PPPYPL T AANGQS
1215	095835	487	PSATTV T AITPAP
1216	095835	490	TTVTAI T PAPIQQ
1217	095835	510	LKPELQ T ALAPTH
1218	095835	813	FYIAEL T CAVESV
1219	095835	851	TDFGLC T GFRWTH
1220	095835	913	AHSLVG T PNYIAP
1221	095835	928	LLRTGY T QLCDWW
1222	095835	967	KVINWQ T SLHIP
1223	095863	30	DSNPEF T FQQPYD
1224	095863	53	PEILNP T ASLPML
1225	095863	89	PRVAEL T SLDED
1226	095863	116	PSSFSS T SVSSLE
1227	095863	177	MHIRSH T LPCVCG
1228	095863	184	LPCVCG T CGKAFS
1229	095863	201	LQGHVR T HTGEKP
1230	095863	229	LRAHLQ T HSDVKK
1231	095863	244	CQACAR T FSRMSL
1232	095866	71	WASSSG T PTVPPL
1233	095866	73	SSSGT T PVPPLQP
1234	095866	127	HVLGDR T YCKAPG
1235	095866	135	CKAPGP T HGSVYP
1236	095972	41	LLAEAP T LPLIEE
1237	095972	93	NRTIGAT M VRLVK
1238	095972	134	YQLVRAT V VYRHH
1239	095972	316	IAPPFY T PNYCKG
1240	095997	43	GRSQV S TPRFGKT
1241	095997	60	PALPKAT R KALGT
1242	095997	71	GTVNRAT E KSVKT
1243	095997	94	FSAKKM T EKTVKA
1244	096013	23	FEHRVH T GFDQHE
1245	096013	187	SGPDVG T PQPAGL
1246	096013	207	AGRPFN T YPRADT
1247	096013	449	SDSILL T HDGRVK
1248	096017	45	SSSST S TMPNSSQ
1249	096017	133	EPLLKR T DKYRTY
1250	096017	172	NGTFVN T ELVGKG
1251	096017	205	FVFFDL T VDDQSV
1252	096017	225	EYIMSK T LGSGAC
1253	096017	378	SKILGE T SLMRTL
1254	096017	401	VLVSVG T AGYNRA
1255	096017	441	SLKDQI T SGKYNF
1256	096017	476	DPKARF T TEEALR
1257	096017	506	SEENES T ALPQVL
1258	096017	517	VLAQP S TSRKRPR
1259	096017	532	EAEGA E TTKRPAV

1260	O96019	158	CKTAVL T AFANGR
1261	O96019	166	FANGRST T GLILDS
1262	O96019	273	LQVSDS T YDEQVA
1263	O96019	386	LIANN T TVERRFS
1264	O96033	19	AKSAE I TGVRSET
1265	O96033	25	TGVRSE T ISVPQE
1266	O96033	43	LWKEIE T RHPGLA
1267	P00167	38	HKVYDL T KFLEEH
1268	P00167	98	LNKPP E TLITTID
1269	P00167	102	PETLIT T IDSSSS
1270	P00167	111	SSSSWW T NWVIPA
1271	P00325	83	VGEGVT T VKPGDK
1272	P00325	132	DGTRR F TCRGKPI
1273	P00325	259	EVLKEM T DGGVDF
1274	P00325	348	SLDALI T HVLPFE
1275	P00367	239	MSWIAD T YASTIG
1276	P00367	436	LNAGGV T VSYFEW
1277	P00367	455	VSYGRL T FKYERD
1278	P00367	524	ARQIMR T AMKYNL
1279	P00439	193	WGT V FK T LKSLYK
1280	P00439	266	FRVFH C T QYIRHG
1281	P00439	278	GSKPMY T PEPDIC
1282	P00439	418	VRYPY T QRIEVL
1283	P00441	40	GSIKGL T EGLHGF
1284	P00441	55	HEFGDN T AGCTSA
1285	P00441	59	DNTAG C T SAGPHF
1286	P00441	117	HCIIGR T LVVHEK
1287	P00450	49	KLISVD T EHSNIY
1288	P00450	139	AIYPD N T TD F QRA
1289	P00450	788	VVYRQY T DSTFRV
1290	P00450	1032	LEMFP R T PGIWLL
1291	P00451	500	IYPHG I T DVRPLY
1292	P00451	834	QEAKY E T FSDDPS
1293	P00451	1548	GSL L Q G T E G AIKW
1294	P00451	2105	IIHG I K T Q G ARQK
1295	P00480	99	TRLST E T G F ALLG
1296	P00480	150	KQSDLD T LAK E AS
1297	P00480	247	G T K L L L T N D PLEA
1298	P00480	290	YQVT M K T AKVAAS
1299	P00491	13	YEDY K N T A E WLLS
1300	P00491	97	YPLW K V T F P RVF
1301	P00491	177	RQRAL S T W K Q M GE
1302	P00491	202	AGPS F E T VA E CRV
1303	P00492	111	YCNDQ S T G D IKVI
1304	P00492	124	GGDDL S T L T G K NV
1305	P00492	126	DDLST L T G K NVLI
1306	P00492	145	TGKT M Q T LLSLVR
1307	P00558	302	AKTGQ A T VASGIP
1308	P00558	352	EAFARG T KALMDE
1309	P00558	363	DEVVK A T SRGCIT
1310	P00558	369	TSRGC I T IIGGGD
1311	P00568	39	GYTHLS T GDL L RS
1312	P00568	113	RRIGQ P T LLLYVD
1313	P00568	145	VDDNE E T IKKRLE
1314	P00568	157	ETYY K A T EPVIAF
1315	P00734	164	RNPDS S T TGPWCY
1316	P00734	299	EAVEE E T GDGLDE
1317	P00734	322	ATSEY Q T FFNPRT

1318	P00734	488	CLPDRE TA ASLLQ
1319	P00736	45	PNNFET TT VITVP
1320	P00736	52	TVITVP T GYRVKL
1321	P00736	303	GWKLRY TT EIIKC
1322	P00736	665	AVRDPN TD RWVAT
1323	P00740	29	LLSAECT TV FLDHE
1324	P00740	85	ENTERT TE FWKQY
1325	P00740	186	RVSVSQ TS KLTRA
1326	P00740	190	SQTSKL TRA ETVF
1327	P00740	218	DNITQ ST QSFNDF
1328	P00740	271	AAHCVE TG VKITV
1329	P00740	290	IEETE HT EQKRN
1330	P00740	332	VLNSYV TP ICIAD
1331	P00740	381	PLVDRAT CL RSTK
1332	P00740	386	ATCLR STK FTIYN
1333	P00740	417	SGGPHV TE VEGTS
1334	P00740	445	GKYGIY TK VSRYV
1335	P00742	39	NILARV TR ANSFL
1336	P00742	264	EGFCGG TI LSEFY
1337	P00742	318	NRFTKE TY DFDIA
1338	P00742	430	VTRFKD TY FVTGI
1339	P00747	118	RGTMSK TK NGITC
1340	P00747	391	YRGTS STTT TGKK
1341	P00747	393	GTSS TTT TGKKCQ
1342	P00747	778	YILQGV TS WGLGC
1343	P00749	223	CWVISAT HC FIDY
1344	P00749	335	PEQLKM TV VKLIS
1345	P00749	389	SLQGRM TL TGIVS
1346	P00749	391	QGRMT LT GIVSWG
1347	P00813	42	IALPANTA E GLLN
1348	P00813	176	KKYQQQ TV VAIDL
1349	P00813	233	AVDILK TE RLGHG
1350	P00813	294	ANYSLN TD DPLIF
1351	P00915	36	SPVDIK T SETKHD
1352	P00915	39	DIKTSE TK HDTSL
1353	P00915	56	VSYNPAT A KEIIN
1354	P00915	200	TYPGSL TH PPLYE
1355	P01008	31	GFWD CV TCHGSPV
1356	P01008	41	SPVDIC T AKPRDI
1357	P01008	92	ANSRFAT TF YQHL
1358	P01008	93	NSRFAT TF YQHLA
1359	P01008	185	FGDKSL TF NETYQ
1360	P01008	226	KWVSNK TE GRITD
1361	P01008	231	KTEGRIT TD VIPSE
1362	P01008	243	EAINEL TV LVLVN
1363	P01008	299	RRVAEG TQ VLELP
1364	P01008	312	FKGDDI TM VLILP
1365	P01008	332	KVEKEL TP EVLQE
1366	P01008	433	LNPNRV TF KANRP
1367	P01009	96	LGTKAD TH DEILE
1368	P01009	137	DSQLQL TT GNGLF
1369	P01009	174	TVNFGD TEE AKKQ
1370	P01009	320	KLSITG TY DLKSV
1371	P01019	207	AQLLL STV VGVFT
1372	P01019	259	RFMQAV TG WKTGC
1373	P01019	306	FWVDN ST SVSVP
1374	P01019	470	VYDQSA TAL HFLG
1375	P01024	77	SEKTVL TP ATNHM

1376	P01024	801	LKDSIT T WEILAV
1377	P01024	824	ADPFEV T VMQDFF
1378	P01024	991	TPVAQM T EDAVDA
1379	P01033	25	APSRAC T CVPPHP
1380	P01033	49	RAKFVG T PEVNQT
1381	P01033	120	DGLLHI T TCSFVA
1382	P01033	171	GTHCLW T DQLLQG
1383	P01034	97	DVELGR T TCTKTQ
1384	P01034	98	VELGR T TCTKTQP
1385	P01034	100	LGRT T CTKTQPNL
1386	P01034	135	AVPWQG T MTLSKS
1387	P01042	65	ITEATK T VGSDTF
1388	P01042	90	PVQSGK T WQDCEY
1389	P01042	609	ISDFPD T TSPKCP
1390	P01042	629	SEINPT T QMKEYS
1391	P01100	51	NAQDFC T DLAVSS
1392	P01100	65	NFIPTV T AISTSP
1393	P01100	69	TVTAIS T SPDLQW
1394	P01100	90	SVAPSQ T RAPHPF
1395	P01100	114	RAGVVK T MTGGRA
1396	P01100	116	GVVK T MTGGRAQS
1397	P01100	162	NRRREL T DTLQAE
1398	P01100	169	DTLQAE T DQLEDE
1399	P01100	266	SSMELK T EPFDDF
1400	P01100	285	RPSGSE T ARSVPD
1401	P01100	329	LCTPVV T CTPSCT
1402	P01100	344	TSSFV T TYPEADS
1403	P01106	78	PSYVAV T PFSLRG
1404	P01106	95	GGGSF T ADQLEM
1405	P01106	103	DQLEMV T ELLGGD
1406	P01106	123	CDPDDE T FIKNII
1407	P01106	173	GHSVC T SSLYLQ
1408	P01106	244	LVLHEE T PPTTSS
1409	P01106	247	HEETP T TSSDSE
1410	P01106	248	EETP T TSSDSEE
1411	P01106	304	KRCHV T HQHNYA
1412	P01106	343	SNNRK T SPRSSD
1413	P01106	350	SPRSSD T ENVKR
1414	P01106	400	VILKAT T AYILSV
1415	P01112	20	VGKSAL T IQLIQN
1416	P01112	124	CDLAAR T VESRQA
1417	P01112	144	GIPYIE T SAKTRQ
1418	P01112	148	IETSAK T RQGVED
1419	P01148	15	AGLILL T WCVEGC
1420	P01148	58	VGQLAE T QRFECT
1421	P01148	64	TQRFEC T THQPRS
1422	P01148	65	QRFEC T THQPRSP
1423	P01185	69	LGCFVG T AEALRC
1424	P01185	112	NDESCV T EPECRE
1425	P01185	133	SDRSNA T QLDGPA
1426	P01189	58	PDLSAE T PMFPGN
1427	P01189	71	GDEQPL T ENPRKY
1428	P01189	181	EFKREL T GQRLRE
1429	P01189	248	TSEKSQ T PLVTLF
1430	P01236	42	AARCQV T LRDLFD
1431	P01236	80	HGRGF T IKAINSC
1432	P01236	151	VEIEEQ T KRLLEG
1433	P01236	169	SQVHP T ENEIY

1434	P01241	53	HQLAFD TY QEFEE
1435	P01241	93	PSNREET TQ QKSNL
1436	P01241	149	LEEGIQ TL MGRLE
1437	P01241	174	TYSKFD TN SHNDD
1438	P01258	41	SPADPA TL SEDEA
1439	P01258	90	RCGNLS TC MLGTY
1440	P01258	95	STCMLG TY TQDFN
1441	P01258	105	DFNKFH TF PQTAI
1442	P01266	741	EQAFLR TV QALLS
1443	P01266	754	NSSMLP TL SDTYI
1444	P01266	1432	QGDHFG TS PRTWf
1445	P01266	2561	RVEAAAT WY YSLE
1446	P01275	26	QRSLOD TE EKSRS
1447	P01275	59	HSQGT FT SDYSKY
1448	P01275	102	ERHAEG TF TSdVS
1449	P01275	157	FSDEM NT ILDNL
1450	P01282	23	SVLFSQ TS AWPLY
1451	P01282	70	ALAEND TP YYDVS
1452	P01282	87	HADGV FT SDFSKL
1453	P01282	131	HSDAV FT DNYTRL
1454	P01286	12	FFFVIL TL SNSSH
1455	P01286	26	SPPPPL TL RMRRY
1456	P01286	38	YADAI FT NSYRKV
1457	P01303	13	LGLSGL TL ALSLL
1458	P01303	60	HYINLI TR QRYGK
1459	P01303	72	KRSSPE TL ISDLL
1460	P01303	83	LLMRES TEN VPRT
1461	P01350	36	PDAPLG TG ANRDL
1462	P01579	50	DVADNG TL FLGIL
1463	P01579	95	IQKSVE TI KEDMN
1464	P01579	124	LTNYSV TD LVNQR
1465	P01579	149	LSPAAK TG KRKRS
1466	P01591	107	LDNQIV TAT QSNi
1467	P01591	120	CDEDSAT ET CYTY
1468	P01591	122	EDSAT ET CYTYDR
1469	P01591	133	DRNKCY TAV VPLV
1470	P01700	13	PPSVSG TP GQRT
1471	P01700	30	GGSSNG TG NNYVY
1472	P01700	44	YQQLPG TAP KLLI
1473	P01700	71	SGSKSG TS ASLAI
1474	P01744	15	FLVAA TR VHSQT
1475	P01744	77	NPNSGG TNY APRF
1476	P01744	90	QGRVT MTR DASFS
1477	P01744	133	NFDYSY TL DVWGQ
1478	P01772	69	SVKGR FT ISRDN
1479	P01772	78	RDNSKN TL FLQMD
1480	P01772	91	SLRPED TG VYFCA
1481	P01814	21	KQPLTL TCT FSGF
1482	P01814	31	SGFSL STS RMRS
1483	P01814	63	DKFYWS TS LRTRL
1484	P01814	94	NPVDTA TY YCARV
1485	P01825	35	FSNDYY TW VRQPP
1486	P01825	56	YVFYHG TS DDTTP
1487	P01825	73	VTMLVD TS KNQFS
1488	P01825	90	SVTAAD TA VYYCA
1489	P02008	20	MWAKIS TQ ADTIG
1490	P02008	24	ISTQAD TI GTETL
1491	P02008	27	QADTIG TE TLERL

1492	P02008	119	RFPADFTAEAHAA
1493	P02511	42	DLFPTSTSLSPFY
1494	P02511	63	APSWFDTGLSEMR
1495	P02511	134	VDPLTITSSSLSSD
1496	P02511	158	VSGPERTIPITRE
1497	P02545	10	PSQRRATRSGAQA
1498	P02545	436	FSQHARTSGRVAV
1499	P02545	534	TALINSTGEEVAM
1500	P02545	623	ASSVTVTRSYRSV
1501	P02647	40	RVKDLATVYVDVL
1502	P02647	185	HVDALRTHLAPYS
1503	P02647	221	EYHAKATEHLSTL
1504	P02647	226	ATEHLSTLSEKAK
1505	P02649	11	WAALLVTFLAGCQ
1506	P02649	85	RALMDETMKELKA
1507	P02649	212	GRVRAATVGSLAG
1508	P02649	243	EEMGSRTDRDLDE
1509	P02652	12	ATVLLLITICSLEG
1510	P02652	40	VSQYFQTVTDYGK
1511	P02652	73	KSKEQLTPLIKKA
1512	P02652	81	LIKKAGTELVNFL
1513	P02671	320	GTGGTATWKPGSS
1514	P02671	383	SSVSGSTGQWHSE
1515	P02671	412	NNPDWGTFFEEVSG
1516	P02671	505	TLSGIGTLDGFRH
1517	P02675	81	PAKAAATQKKVER
1518	P02675	228	YCRTPCTVSCNIP
1519	P02675	308	GFGNVATNTDGKN
1520	P02675	407	NGMFFSTYDRDND
1521	P02679	80	HQVENKTSEVKQL
1522	P02679	168	QEPCKDTVQIHDI
1523	P02679	247	FGHLSPTGTTEFW
1524	P02679	264	KIHLISTQSAIPY
1525	P02686	57	ANQNNGTSSQDTA
1526	P02686	62	GTSSQDTAVTDSK
1527	P02686	151	GSKYLATASTMDH
1528	P02686	214	QKSHGRQDENPV
1529	P02730	197	QHSSLETQLFCEQ
1530	P02730	422	ALSPAITFGGLLG
1531	P02730	581	LVLMAGTFFFAMM
1532	P02730	837	WRMHLFTGIQIIC
1533	P02741	11	LCFLVLTSLSHAF
1534	P02741	59	VCLHFYTELSSTR
1535	P02741	94	DIGYSFTVGGSEI
1536	P02741	191	SPDEINTIYLGGP
1537	P02745	61	GAPGIRTTGIQGLK
1538	P02745	102	IPGIKGTKGSPGN
1539	P02745	154	SGRFVCTVPGYYY
1540	P02745	192	SLGFCDTTNKGLF
1541	P02746	55	PDGQPGTPGIKGE
1542	P02746	119	SGDYKATQKIAFS
1543	P02746	127	KIAFSATRTINVP
1544	P02746	227	NVFLQATDKNSLL
1545	P02751	365	PCVLPFTYNGRTF
1546	P02751	704	TTTSTSTPVTSTNT
1547	P02751	746	WVSASDTVSGFRV
1548	P02751	1079	QESPKATGVFTTL
1549	P02763	40	ATLDQITGKWFYI

1550	P02763	85	FLREYQ TR QDQCI
1551	P02763	105	VQRENG T ISRYVG
1552	P02763	127	ILRDTK TY MLAFD
1553	P02765	59	PWGYKH TL NQIDE
1554	P02765	88	IDTLET T CHVLDP
1555	P02765	95	CHVLDP TP VARCS
1556	P02765	197	VPLPPS TY VEFTV
1557	P02765	202	STYVEF TV SGTDC
1558	P02765	206	EFTVSG TD CVAKE
1559	P02765	214	CVAKEA TE AAKCN
1560	P02765	233	YGFC KATL SEKLG
1561	P02765	248	EVAVT CTV FQTQP
1562	P02765	256	FQTQPV TS QPQPE
1563	P02765	270	ANEAV P TPVVDPD
1564	P02765	341	HPRKTR TV VQPSV
1565	P02766	23	VSEAG P TGTGESK
1566	P02766	69	PFASG K TSESGEL
1567	P02766	95	YKVEID TK SYWKA
1568	P02766	139	PYSYST T AVVTNP
1569	P02768	76	VTEFA K TCVADES
1570	P02768	92	CDKSLH TL FGDKL
1571	P02768	103	KLCTVA TL RETYG
1572	P02768	149	EVDVM CTA FDNE
1573	P02768	190	RYKAA FTE CCQAA
1574	P02768	263	KLVTDL TK VHTEC
1575	P02768	379	LAKTY ETT LEKCC
1576	P02768	436	ALLVRY TK KVPQV
1577	P02768	530	KEFNA ETFT FHAD
1578	P02768	532	FNA ETFT FHADIC
1579	P02768	539	FHADIC TL SEKER
1580	P02768	564	KHKPKA TK EQLKA
1581	P02771	38	LDSYQ CTA EISLA
1582	P02771	59	QFVQE ATY KEVSK
1583	P02771	208	FQTKAA TV TKELR
1584	P02771	457	TRKMAA TA ATCCQ
1585	P02778	15	CCLIFL TL SGIQG
1586	P02778	27	GVPLSR TV RCTCI
1587	P02778	31	SRTVR CTC ISISN
1588	P02778	65	RVEIIA TM KKKGE
1589	P02786	141	LDSTDF TG TIKLL
1590	P02786	305	GHAHLG TG DPYTP
1591	P02786	367	STCRMV TS ESKNV
1592	P02786	708	WGS GSH TLPALLE
1593	P02788	36	VSQPEA TK CFQWQ
1594	P02788	150	WNVPIG TL RPFLN
1595	P02788	232	AFIRE STV FEDLS
1596	P02788	468	RSDTSL TW NSVKG
1597	P02792	30	YLQAS YTY LSLGF
1598	P02792	93	EDEWG KTP DAMKA
1599	P02792	132	LCDFLE TH FLDEE
1600	P02792	150	KMGDHL TL NLHRLG
1601	P02814	18	ALAAC F TPGESQR
1602	P03372	182	MESAK E TRYCAVC
1603	P03372	371	PGFVDL TL HDQVH
1604	P03372	570	DQSHLA T AGSTSS
1605	P03372	574	LATAG STSS SHSLQ
1606	P03950	19	VLGLGL TP PPTLAQ
1607	P03950	22	LGLTP P TLAQDNS

1608	P03950	31	QDNSRY TH FLTQH
1609	P03950	35	RYTHFL TQ HYDAK
1610	P03956	26	FPATLE TQE QDVD
1611	P03956	76	FFGLKV TG KPDAE
1612	P03956	103	VAQFVL TE GNPRW
1613	P03956	112	NPRWEQ TH LTYRI
1614	P03956	115	WEQTHL TY RIENY
1615	P03956	241	LMYPSY TF SGDVQ
1616	P03956	283	ACDSKL TF DAITT
1617	P03956	288	LTFDAI TT IRGEV
1618	P03956	373	SFGFPR TV KHIDA
1619	P03956	386	ALSENT TK TYFF
1620	P03956	389	EENTGK TY FFVAN
1621	P03956	451	YKFDPK TK RILTL
1622	P03999	221	LICFSY TQ LLRAL
1623	P03999	239	QQESAT TTQ KAER
1624	P03999	240	QQESAT TTQ KAERE
1625	P03999	286	LDLRLV TT IPSFFS
1626	P04001	70	VIASVF TN GLVLA
1627	P04001	201	WPHGLK TS CGPDV
1628	P04001	226	MIVLMV TC CITPL
1629	P04001	315	FFAKSA TI YNPVI
1630	P04004	55	SCCTDY TA ECKPQ
1631	P04004	99	VGGPSL TS DLQAQ
1632	P04004	113	KGNPEQ TP VLKPE
1633	P04004	141	IDSRPE TL HGRP
1634	P04004	165	KPFDAF TD LKNGS
1635	P04004	219	INCQGK TY LFKGS
1636	P04004	325	LLFWGR TS AGTRQ
1637	P04004	329	GRTSAG TRQ PQFI
1638	P04004	400	RRPSRA TW LSLFS
1639	P04004	429	DWLVPAT CE PIQS
1640	P04004	451	YRVNLR TR RVDTV
1641	P04004	456	RTRRVD TV DPYP
1642	P04070	310	HLAQPA TL SQTIV
1643	P04070	337	NQAGQE TL VTGWG
1644	P04070	413	VASFHG TW FLVGL
1645	P04070	436	HNYGVY TK VSRYL
1646	P04075	65	YRQLLL TA ADDRVN
1647	P04075	123	AGTNGE TTT QGLD
1648	P04075	125	TNGETT TTQ GLDGL
1649	P04075	235	LKPNMV TP GHACT
1650	P04083	95	GKPLDE TL KKALT
1651	P04083	132	AMKGLG TD EDTLI
1652	P04083	145	EILASR TN KEIRD
1653	P04083	216	GERRKG TD VNVFN
1654	P04090	51	AICGMST W SKRSL
1655	P04090	81	SFINKD TE TINMM
1656	P04090	83	INKDTE TI NMMSE
1657	P04090	177	CCHVG CT KRSLAR
1658	P04114	283	GMVAQV TQ TLKLE
1659	P04114	328	AEAVLK TL QELKK
1660	P04114	392	GQPQC STH ILQWL
1661	P04114	1380	SGGNT STD HFSLR
1662	P04150	93	GLYMGE TE TKVMG
1663	P04150	152	AVSAAP TE KEFPK
1664	P04150	174	QHLKGQ TG TNGGN
1665	P04150	376	SGDDNL TS LGTLN

1666	P04179	9	SRAVCG TSRQLAP
1667	P04179	79	LAKGDV TAQIALQ
1668	P04179	136	KFKEKL TAASVGV
1669	P04179	174	DPLQGT TGLIPLL
1670	P04181	189	SAISS STDPTS YD
1671	P04181	192	SSSTD PTS YDGFG
1672	P04181	254	GVREL CTRHQVLF
1673	P04181	369	LPSDV VTA VRGKG
1674	P04183	17	PGSPSK TRGQIQV
1675	P04183	72	CTHDR NTMEALPA
1676	P04183	118	MANAG KTVIVAAL
1677	P04183	163	FREAAY TKRLGTE
1678	P04198	8	PSCST STMPGMIC
1679	P04198	142	HGRGP P TAGSTAQ
1680	P04198	296	NTKAV TFT ITVR
1681	P04198	298	KAV TFT ITVRPK
1682	P04264	32	NYQRT TS SSTRR
1683	P04264	220	LLQQV D TSTRTHN
1684	P04264	328	ELSQM Q TQISETN
1685	P04264	383	YEELQ I TAGRHGD
1686	P04406	19	RIGRL V TAAAFNS
1687	P04406	52	MFQYD S THGKFHG
1688	P04406	59	HGKFH G TVKAENG
1689	P04406	99	EYV V ESTGVFTTM
1690	P04406	104	STGV F TMEKAGA
1691	P04406	153	ISNAS C TNCLAP
1692	P04406	154	SNAS C TNCLAPL
1693	P04406	176	IVEGL M TTVHAIT
1694	P04406	187	ITATQ K TVDGPST
1695	P04406	246	VSVVD L TCRLEKP
1696	P04406	277	KGILG Y TEHQVVS
1697	P04406	294	SDTHS S TFDAGAG
1698	P04424	119	RNDQV V TDLRLWM
1699	P04424	313	CAGLL M TLKGLPS
1700	P04424	320	LKGLP S TYNKDLQ
1701	P04424	400	AVFMA E TKGVALN
1702	P04626	127	DPLN N TPVTGAS
1703	P04626	233	CKG P LPTDCCHEQ
1704	P04626	402	QLQV F ETLEEITG
1705	P04626	472	ALIH H NTHLCFVH
1706	P04629	264	LNRKN V TCWAEND
1707	P04629	340	EPAAN E TVRHGCL
1708	P04629	352	LRLNQ P THVNNGN
1709	P04629	360	VNNGN Y TLLAANP
1710	P04632	57	GGGGG G TAMRILG
1711	P04632	85	EPPPP R THYSNIE
1712	P04632	143	DGFG I DCRSMVA
1713	P04632	188	DTDRS G TICSSSEL
1714	P04637	81	PAPAA P TPAAPAP
1715	P04637	102	SVPSQ K TYQGSYG
1716	P04637	123	GTAKS V TCTYSPA
1717	P04637	125	AKSV T CTYSPALN
1718	P04637	140	FCQLA K TCPVQLW
1719	P04637	170	KQSQH M TEVVRRC
1720	P04637	230	EVGS D CTTIHYN
1721	P04637	253	NRRP I LTIITLED
1722	P04637	256	PILTI I TLEDSSG
1723	P04637	304	ELPPG S TKRALPN

1724	P04637	329	LDGEYF TL QIRGR
1725	P04637	377	SKKGQ ST SRHKKL
1726	P04745	86	VSYKLC TR SGNED
1727	P04745	269	FGNGRV TE FKYGA
1728	P04745	279	YGAKLG TV IRKWN
1729	P04745	422	VDGQPF TN WYDNG
1730	P04792	110	FAPDEL TV KTKDG
1731	P04792	113	DELT TV KTKDGVVE
1732	P04792	151	PPGVD P TQVSSSL
1733	P04792	174	PMPKL A TQSNEIT
1734	P05060	74	VKDKET T ENENTK
1735	P05060	330	KRDHHS TH YRASE
1736	P05060	492	QGD LQD TKENREE
1737	P05060	556	EEENEL TL NEKNF
1738	P05067	22	RALEV P T D GNAGL
1739	P05067	59	DSDPSG T KTCIDT
1740	P05067	61	DPSG T KTCIDTKE
1741	P05067	157	HTVAK E TCSEKST
1742	P05067	163	TCSEK ST NLHDYG
1743	P05067	215	WWGGAD TD YADGS
1744	P05067	276	TSIAT TTTTTT TES
1745	P05067	278	IAT TTTTTT TESVE
1746	P05067	352	SQSLL K TTQEPLA
1747	P05067	367	PVKLP T TAAS T PD
1748	P05067	603	LTET K TTVELLPV
1749	P05067	719	ATVIV I TLV M LKK
1750	P05090	54	EIEKI P TTFENGR
1751	P05090	100	ATPVN L TEPAKLE
1752	P05090	135	ALVYS C TCIIQLF
1753	P05090	180	VKKMT V TDQVNCP
1754	P05106	162	SIQNL G TKLATQM
1755	P05106	172	TQMR K LTSNLRIG
1756	P05106	208	PCYDM K TTCLPMF
1757	P05106	223	KHVL T LDQVTRF
1758	P05106	256	DAIMQ A TV C DEKI
1759	P05106	311	NHYS A STMDYPS
1760	P05106	337	NLIFAV T ENVVNL
1761	P05106	420	GLKIG D TVSFSIE
1762	P05106	456	SLIVQ V TFDCDCA
1763	P05106	588	YYCN C TT R TDTCM
1764	P05106	623	PGSY G D T CEKCPT
1765	P05106	674	VKEL K D T GKDAVN
1766	P05107	52	CQKLN F TGPGDPD
1767	P05107	64	DSIR C D TR PQLLM
1768	P05107	82	DDIMD P TS L AETQ
1769	P05107	104	LSPQ K V T LYLRPG
1770	P05107	175	GSFV D K TV LPFVN
1771	P05107	263	RLLV F ATDDGFHF
1772	P05107	329	TSRMV K TYEKLTE
1773	P05107	377	HNALP D TLKVTYD
1774	P05107	391	FCSNG V THRNQPR
1775	P05107	485	KNCEC Q TQGRSSQ
1776	P05107	579	CQCER T TEGCLNP
1777	P05107	708	AAIVG G TVAGIVL
1778	P05109	40	LKKL L E TE CPQYI
1779	P05109	62	KELDIN T DGAVNF
1780	P05114	52	SDKKV Q TKGKRG
1781	P05114	70	EVANQ E TKEDLPA

1782	P05114	81	PAENGET TK TEESP
1783	P05114	83	ENGETK TE ESPAS
1784	P05161	70	GLGPGS TV LLVVD
1785	P05161	95	NKGRSS TY EVRLT
1786	P05161	101	TYEVRL TQ TV AHL
1787	P05161	103	EVRLT Q TV AHLKQ
1788	P05164	413	SEMPEL TS MHTLL
1789	P05164	417	ELTSMH TL LLREH
1790	P05164	553	LRGLMA TP AKLNR
1791	P05164	619	TVGQLG TV LRNLK
1792	P05231	110	SGFNEE TC LVKII
1793	P05231	147	RAVQMS TK VLIQF
1794	P05231	170	ITTPDP TT NASLL
1795	P05231	190	QWLQDM TT HLILR
1796	P05386	22	LHDDEV TV TEDKI
1797	P05386	24	DDEVTV TE DKINA
1798	P05386	84	GGPAPS TAA PAE
1799	P05412	39	ILKQSM TL NLADP
1800	P05412	62	KNSDLL TS PDVGL
1801	P05412	90	SNGHIT TT PTPTQ
1802	P05412	95	TTTPTP TQ FLCPK
1803	P05412	104	LCPKNV TD EQEGF
1804	P05412	126	ELHSQN TL PSVTS
1805	P05412	131	N TL PSV TS AAPV
1806	P05412	231	LKEEP Q TVPEMPG
1807	P05412	297	NSELAS TAN MLRE
1808	P05451	27	QQQEAQ TEL PQAR
1809	P05451	40	ISCPEG TN AYRSY
1810	P05451	56	FNEDRE TW VDADL
1811	P05451	141	GYCVSL TS STGFQ
1812	P05455	145	NIQMR RTL HKAFK
1813	P05455	244	GDLD DQ TCREDLH
1814	P05455	302	LRNKEV TWE VLEG
1815	P05455	379	HDENGAT GP VKRA
1816	P05546	66	HKENTV TND WIPE
1817	P05546	147	LKDQVN TF DNIFI
1818	P05546	197	SKYEIT TI HNLFR
1819	P05546	442	LFKHQ G ITVNEE
1820	P05549	21	EDRHDG TS NGTAR
1821	P05549	48	APPLSH TP NADFQ
1822	P05549	349	QICKEF TD LLAQD
1823	P05549	377	GIQ SCL THFN LIS
1824	P05771	48	RFFKQ P TFCSHCT
1825	P05771	54	TFCSH CT DFIWGF
1826	P05771	108	HKFKIH TY SSPTF
1827	P05771	113	HTYSS P TFCDHCG
1828	P05771	134	QGMKCD TC MMNVH
1829	P05771	153	VPSLCG TD HTERR
1830	P05771	156	LCGTDH TE RRGRI
1831	P05771	212	SESKQ K TKIKCS
1832	P05771	226	NPEWNE TF RFQLK
1833	P05771	322	VPEEK T TNTVSKF
1834	P05771	412	LHSCF Q TMDRLYF
1835	P05771	644	PVELTP TD KLFIM
1836	P05783	234	IASSGL TV EVDA P
1837	P05783	404	SSNSMQ TI QKTTT
1838	P05783	408	MQ TI QK TT RRIV
1839	P05783	422	GKVVSE TND TKVL

1840	P05813	15	ELETLPTTKMAQT
1841	P05813	24	MAQTNPTPGSLGP
1842	P05813	49	GKRMEFTSSCPNV
1843	P05813	79	WIGYEHTSFCGQQ
1844	P05814	30	SSEESI TEYKQKV
1845	P05814	107	VPKAKD TVYTKGR
1846	P05814	110	AKDTVY TKGRVMP
1847	P05814	122	PVLKSPTIPFFDP
1848	P05814	134	PQIPKL TDLENLH
1849	P05814	160	PQPIPQ TLALPPQ
1850	P05814	207	ELLLNPTHQIYPV
1851	P05814	214	HQIYPV TQPLAPV
1852	P05997	125	GLVPVV TGIRGRP
1853	P05997	901	LKGGRGTQGPPGA
1854	P05997	1271	DPGVHATLKSLS
1855	P05997	1281	LSSQIETMRSPDG
1856	P06213	45	DIRNNLTRLHELE
1857	P06213	816	SGLRHFTGYRIEL
1858	P06213	928	SVRIRATSLAGNG
1859	P06213	1215	KDGVFTTSSDMWS
1860	P06276	136	PKPKNATVLIWIY
1861	P06276	434	CPALEFTKKFSEW
1862	P06276	516	ETQNNSTSWPVFK
1863	P06276	524	WPVFKSTEQKYLT
1864	P06307	20	LAAGALTQPVPPA
1865	P06307	50	LRVSQRTDGESRA
1866	P06396	361	RKAALKTASDFIT
1867	P06396	367	TASDFITKMDYPK
1868	P06396	402	WRDPDQTDGLGLS
1869	P06396	733	AKRYIETDPANRD
1870	P06400	58	TEEPDFTALCQKL
1871	P06400	142	KEIDTSTKVDNAM
1872	P06400	168	FSKLERTCELIYL
1873	P06400	183	PSSSISTEINSAL
1874	P06400	197	LKVSWITFLLAKG
1875	P06400	241	LKEPYKTAVIPIN
1876	P06400	271	KQLENDTRIIEVL
1877	P06400	502	ATYSRSTSQNLDS
1878	P06400	619	PKKKGSTTRVNST
1879	P06400	645	QKPLKSTSLSLFY
1880	P06400	664	AYLRLNTLCERLL
1881	P06400	766	FMQRLKTNILQYA
1882	P06401	157	PPAAPATQORVLSP
1883	P06401	674	ALSQRFTFSPGQD
1884	P06401	706	YAGHDNTKPDTS
1885	P06401	829	VLLLLNTIPLEGL
1886	P06454	8	SDAAVDTSSEITT
1887	P06454	13	DTSSSEITTKDLKE
1888	P06454	87	EEAESATGKRAAE
1889	P06454	102	EDDDVDTKKQKTD
1890	P06702	14	LERNIETIINTFH
1891	P06702	18	IETIINTFHQYSV
1892	P06702	31	KLGHPTLNQGEF
1893	P06702	68	IMEDLDTNADKQL
1894	P06702	87	MLMARLTWASHEK
1895	P06730	11	EPETTPTPNPPTT
1896	P06730	22	TTEEEKTESNQEV
1897	P06730	167	DKIAIWTECENR

1898	P06730	205	SHADTAT TK SGSTT
1899	P06733	19	DSRGNPT VE VDLF
1900	P06733	229	GLELLK TA IGKAG
1901	P06733	376	SHRSGE TE DTFIA
1902	P06733	395	CTGQIK TG APCRS
1903	P06737	229	LALPYD TP VPGYM
1904	P06737	376	QKTFAY TN HTVLP
1905	P06737	379	FAYTNH TV LPEAL
1906	P06737	800	NPKAWN TM VLKNI
1907	P06744	109	LRNRSN TP ILVDG
1908	P06744	150	YTGKTI TD VINIG
1909	P06744	309	MDQHFR TT PLEKN
1910	P06744	536	DGSAQV TS HDAST
1911	P06746	20	GITDML TE LANFE
1912	P06746	101	SSINFL TR VSGIG
1913	P06746	121	VDEGIK TL EDLRK
1914	P06746	297	FTINEY TI RPLGV
1915	P06748	46	HQLSLR TV SLGAG
1916	P06748	78	IKVTLA TL KMSVQ
1917	P06748	86	KMSVQP TV SLGGF
1918	P06850	108	PSPEQA TAN FFRV
1919	P06850	164	PISLDL TF HLLRE
1920	P07101	59	AASYTP TP RSPRF
1921	P07101	212	KCHHLV TK FDPDL
1922	P07101	269	WKEVYT TL KGLYA
1923	P07101	399	EIEKLS TL YWFTV
1924	P07108	18	EVRHLK TK PSDEE
1925	P07108	36	GHYKQA TV GDINT
1926	P07108	42	TVGDIN TER PGML
1927	P07108	51	PGMLDF TG KAKWD
1928	P07148	51	GKHFKF TI TAGSK
1929	P07148	75	CELETM TG EKVKT
1930	P07148	81	TGEKVK TV VQLEG
1931	P07148	110	LNGDII TN TMTLG
1932	P07195	18	VAEEEE ATV PNNKI
1933	P07195	87	DKDYSV TAN SKIV
1934	P07195	249	IKLKG YN WAIGL
1935	P07195	276	RIHPV STM VKGMY
1936	P07199	64	KYGVAS TCR KTNK
1937	P07199	150	RNAAPR TPA PAS
1938	P07199	283	YLKALD TR MAAES
1939	P07199	500	EEAQCP TL HFLEG
1940	P07204	61	LRGHL M TVRSSVA
1941	P07204	117	VTGDNN TSY SRWA
1942	P07204	421	ADCDPN TQ ASCEC
1943	P07204	440	DDGFIC TD IDECE
1944	P07225	331	AEFDFR TY DSEGV
1945	P07225	478	NKHCLV TV EKGSY
1946	P07225	520	IRPSTG TG VMLAL
1947	P07225	557	LLSVEN TVI YRIQ
1948	P07305	77	SIKRLV TTG VLKQ
1949	P07305	78	IKRLVT TG VLKQT
1950	P07305	110	SVAFKK TK KEIKK
1951	P07305	119	EIKKV ATP KKASK
1952	P07311	27	VFFRKH TQA EKKK
1953	P07311	43	VGWVQN TD RGTVQ
1954	P07311	47	QNTDRG TV QGQLQ
1955	P07311	68	MQEWLE TR GSPKS

1956	P07332	115	RQQLRK TY SEQWQ
1957	P07332	279	DVPPCV TF DESLL
1958	P07332	311	SVQH TL TSV T DEL
1959	P07332	321	DELAVAT EM VFR
1960	P07332	332	RRQEMV TQ LQ Q EL
1961	P07332	409	QDDRH ST SS S EQE
1962	P07332	627	RLIGV CT Q K QPIY
1963	P07332	646	QGGDF L T F LRTEG
1964	P07332	659	ARLRV K T L LQ M VG
1965	P07332	727	QVPV KW T A PEALN
1966	P07332	753	GILLW ET F S LGAS
1967	P07332	769	NLSN QQ T R EFVEK
1968	P07333	39	KPGATV TL RCVGN
1969	P07333	79	NATF Q N T GTYRCT
1970	P07333	587	NLQFG K T L GAGAF
1971	P07333	722	SSQGV D T Y VEMRP
1972	P07358	75	SWSSW T T C DPCQK
1973	P07358	112	EVEDCV T NRPCRS
1974	P07358	130	GFVCA Q T G RCVNR
1975	P07358	183	SGIN L F T NSFEGP
1976	P07358	208	PHYIL N T R FRKPY
1977	P07358	223	ESYTP Q T Q GK Y EF
1978	P07358	288	TKRFS H T K SVFLH
1979	P07358	342	LFRDFG T H Y ITEA
1980	P07358	346	FGTH Y I T EAVLGG
1981	P07358	371	MERGD Y T L NNVHA
1982	P07358	475	PLYELV T ATDFAY
1983	P07358	484	DFAYSS T VRQ N MK
1984	P07359	320	FPTKA H T T PWGLF
1985	P07359	375	SITFS K T P KSTTE
1986	P07359	387	EPTP S T T SEPVP
1987	P07359	460	PIPTI A T S PTILV
1988	P07360	8	LPPGT A T L L T LL
1989	P07360	35	PASPI S T I QPKAN
1990	P07360	74	HRAE A T T LHVAPQ
1991	P07360	130	HVVVA E T D YQSFA
1992	P07492	32	LPAGG G T V LTKMY
1993	P07492	35	GGGT V L T KMYPRG
1994	P07492	55	LMGK K S T GESSSV
1995	P07550	66	KFERL Q T V TNYFI
1996	P07550	164	WIVS G L T SFLPIQ
1997	P07550	195	TCCDFF T NQAYAI
1998	P07550	283	IIMGT F T L CWLPF
1999	P07737	90	FSMDLR T KSTGGA
2000	P07737	98	STGGAP T FNVTVT
2001	P07737	104	TFNVT V T K TDKTL
2002	P07737	106	NVTVT K T D KTLVL
2003	P07741	21	SFPDF P T P GVVFR
2004	P07741	96	GKLP G P T LWASYS
2005	P07741	132	VDDLL A T G GT M NA
2006	P07741	135	LLATG G T M NAACE
2007	P07766	32	EEMGG I T Q TPYKV
2008	P07766	43	KVSIS G T T VILTC
2009	P07766	48	GTTV I L T CPQYPG
2010	P07766	141	IVDICI T GGLLLL
2011	P07814	63	YLARV A T T AGLYG
2012	P07814	76	SNLME H T E IDHWL
2013	P07814	397	THALRT E YHDRD

2014	P07814	1391	DTGEKL T VAENEA
2015	P07900	36	MSLIINT F FYSNKE
2016	P07900	65	IRYESL T DPSKLD
2017	P07900	171	SAGGS F TVRTDTG
2018	P07900	174	GSFTVR T DTGEPM
2019	P07900	305	RNPDDI T NEEYGE
2020	P07900	467	ELLRY Y T SASGDE
2021	P07900	498	YYITGE T KDQVAN
2022	P07900	594	VSNRLV T SPCCIV
2023	P07900	603	CCIVT S TYGWTAN
2024	P07900	683	SLEDPQ T HANRIY
2025	P07900	708	DPTADD T SAAVTE
2026	P07900	713	DTSAAV T EMPPL
2027	P07910	9	SNVTNK T DPRSMN
2028	P07910	109	EMYGSV T EHSPSPS
2029	P07910	165	QRVSGN T SRRGKS
2030	P07910	201	AIKKEL T QIKQKV
2031	P07947	21	KYRPENT T PEPVST
2032	P07947	37	HYGAEP T TVSPCP
2033	P07947	107	DYEART T EDLSFK
2034	P07947	467	LQTEL V T KGRVPY
2035	P07949	152	YFSFFN T SFPACS
2036	P07949	170	ELCFPE T RPSFRI
2037	P07949	369	SISENR T MQLAVL
2038	P07949	675	ISSAEM T FRRPAQ
2039	P08047	12	HSMDEM T AVVKIE
2040	P08047	49	TGSSSS T GGGGQE
2041	P08047	96	TGELDL T ATQLSQ
2042	P08047	98	ELDLT T ATQLSQA
2043	P08047	119	SSGATP T SKEQSG
2044	P08047	216	ANQQII T NRGSGG
2045	P08047	250	NVL S GQ T QYVTNV
2046	P08047	265	ALNGNI T LLPVNS
2047	P08047	332	SYSTTT T TSNMGI
2048	P08047	355	TNSQGQ T PQRVSG
2049	P08047	531	SMPGLQ T INLSAL
2050	P08047	737	GSEGS G T ATPSAL
2051	P08069	28	ALSLWP T SGEICG
2052	P08069	748	VMQVAN T TMSSRS
2053	P08069	749	MQVAN T TMSSRSR
2054	P08069	1148	MVAEDF T VKIGDF
2055	P08151	59	YGPARE T NSCTEG
2056	P08151	101	LQTVIR T SPSSLV
2057	P08151	527	SLSHTG T TVSRRV
2058	P08151	528	LSHTGT T VSRRVG
2059	P08195	99	SKNAEV T GTMSQD
2060	P08195	411	LSDSGS T GEHTKS
2061	P08195	426	TQYLNAT G NRWCS
2062	P08195	442	SQARLL T SFLPAQ
2063	P08397	59	IIAMST T GDKILD
2064	P08397	145	EKS V VG T SSLRRA
2065	P08397	190	SAIILAT A GLQRM
2066	P08397	298	QETMQA T IHVPAQ
2067	P08493	17	AALAVV T LCYESH
2068	P08493	42	NRRNAN T FISPOQ
2069	P08514	107	FDLRDE T RNVGSQ
2070	P08514	156	TEEA E K T PVGSCF
2071	P08514	207	GFSSVV T QAGELV

2072	P08514	281	FDGDLN T TEYVVG
2073	P08559	54	EGPPVT T VLTRD
2074	P08559	57	PVTTVL T REDGLK
2075	P08559	111	EAGINP T DHLITA
2076	P08559	240	ERAAAS T DYYKRG
2077	P08567	56	LKGSTL T SPCQDF
2078	P08567	114	KFARKS T RRSIRL
2079	P08567	157	IFNHC F TGNCVID
2080	P08567	319	NLFEII T ADEVHY
2081	P08581	263	NFIYFL T VQRETL
2082	P08581	511	ITGKKI T KIPLNG
2083	P08581	579	APLEGG T RLTICG
2084	P08581	1355	YVHVNA T YVNVKC
2085	P08582	105	YDQEVG T SYAVA
2086	P08582	287	VVVRAD T DGGLIF
2087	P08582	431	IYTAGK T YGLVPA
2088	P08582	576	VAFVRH T TVFDNT
2089	P08697	75	VCSRDP T PEQTHR
2090	P08697	128	LGAQN H T L QRLQQ
2091	P08697	212	QWVKEA T EGKIQE
2092	P08697	321	ANLSWD T LHPPLV
2093	P08709	143	EGRNC E THKDDQL
2094	P08709	168	CSDHTG T KRSCRC
2095	P08709	241	AQLCGG T LINTIW
2096	P08709	298	STYVPG T TNHDIA
2097	P08833	17	LVLLLL T VQVGV
2098	P08833	23	TVQVGV T AGAPWQ
2099	P08833	52	ASCSEV T RSAGCG
2100	P08833	75	AACGVAT A RCARG
2101	P08833	98	QPLHAL T RQGQAC
2102	P08833	127	PESPE S TEITEEE
2103	P08833	130	PESTE I TEEELLD
2104	P08833	167	SKALHV T NIKKWK
2105	P08833	219	HSRQC E TSMDGEA
2106	P08842	113	SSGGLP T DEITFA
2107	P08842	117	LPTDEI T FAKLLK
2108	P08842	196	LQIVGV T LLTLAA
2109	P08842	566	QLCCP S TGLSCQC
2110	P08865	23	KFLAAG T HLGGTN
2111	P08865	28	GTHLGG T NLDFQM
2112	P08865	82	VISSRN T GQRAVL
2113	P08865	94	LKFAAA T GATPIA
2114	P08865	97	AAATGA T PIAGRF
2115	P08865	107	GRFTP G TFTNQIQ
2116	P08865	125	PRLLVV T DPRADH
2117	P08865	135	ADHQPL T EASYVN
2118	P08865	144	SYVNL P TIALCNT
2119	P08865	188	VLRMRG T ISREHP
2120	P08865	223	AAEKAV T KEEFQG
2121	P08865	285	APTAQ A TEWVGAT
2122	P08949	52	RGNLWA T GHFMGK
2123	P08949	71	SPSPLG T APHTSL
2124	P08949	75	LGTAPH T SLRDQR
2125	P09012	11	ETRPNH T IYINNL
2126	P09012	89	RIQYAK T DSIIIA
2127	P09012	148	PGMPP M TQAPRIM
2128	P09012	213	NHILFL T NLPEET
2129	P09038	13	GDVEDV T PRPGGC

2130	P09038	140	MAAGSI TT LPALP
2131	P09038	231	LASKCV T DECEFF
2132	P09038	254	YRSRKY TS WYVAL
2133	P09211	35	WKEEVV TV ETWQE
2134	P09211	62	FQDGD LTL YQSNT
2135	P09211	76	LRHLGR TL GLYGK
2136	P09211	142	QNQGGK TF IVGDQ
2137	P09382	58	AHGDAN TI VCNSK
2138	P09382	71	DGGAWG TE QREAV
2139	P09382	91	VAEVC ITF DQANL
2140	P09382	98	FDQAN LTV KLPDG
2141	P09417	57	SIIVKM TD SFTEQ
2142	P09417	61	KMTDS FTE QADQV
2143	P09417	187	LPVTLD TP MNRKS
2144	P09417	211	LEFLVE TF HDWIT
2145	P09493	199	LEEELK TV TNNLK
2146	P09493	201	EELKT V TNNLKSL
2147	P09493	237	KLKEA E TRAEFAE
2148	P09493	247	FAERSV TK LEKSI
2149	P09603	13	AGRCPP TT WLGS
2150	P09603	14	GRCPP TT WLGSLL
2151	P09603	66	ETSCQ ITF EFVDQ
2152	P09603	96	QDIMED TM RFRDN
2153	P09603	137	DKACVR TF YETPL
2154	P09603	141	VRTFY ETPL QLLE
2155	P09603	229	WEDSEG TE GSSLL
2156	P09603	257	QRPPR STC QSFEP
2157	P09603	321	IPVPQ GTE LSPSR
2158	P09603	387	NHTPQ KTD HPSAL
2159	P09603	479	SVPLT DTG HERQS
2160	P09603	544	PEGSPL TQ DDRQV
2161	P09619	95	NLTGLD TG EYFCT
2162	P09619	192	RSYICK TT IGDRE
2163	P09619	494	EFEVV STL RLQHV
2164	P09619	592	QLPYD STW ELPRD
2165	P09683	32	RRHSDG TF TSELS
2166	P09683	34	HSDGT F TSELSRL
2167	P09683	69	ENSM A WTRLSAGL
2168	P09683	95	WMPLD G TWSPWLP
2169	P09693	45	DGSVLL TC DAEAK
2170	P09693	54	AEAKNI TW FKDGK
2171	P09693	66	KMIGFL TE DKKKW
2172	P09693	152	RASDKQ TLL PNDQ
2173	P09871	181	CSGDV F TALIGEI
2174	P09871	472	NEYWVL TA AHVVE
2175	P09871	573	ISGWGR TE KRDRA
2176	P09871	604	VKVEKP T ADAEAY
2177	P09874	258	LKKVC ST NDLKEL
2178	P09874	312	SDAYYC TG DVTAW
2179	P09874	327	CMVKTQ TP NRKEW
2180	P09874	821	RKYVK N THATTHN
2181	P09917	138	RRKELE TR QKQYR
2182	P09917	428	FDKAN ATG GGGHV
2183	P09917	484	VWEAIR TF TAEVV
2184	P09917	541	QLSEYL TV VIFTA
2185	P09958	33	QKVFT N TWAVRIP
2186	P09958	657	CQGPAL TD CLSCP
2187	P09958	674	LDPVEQ TC SRQSQ

2188	P09958	785	EGRGERT T AFIKDQ
2189	P09960	36	FTRRTL T GTAALT
2190	P09960	120	SALQWL T PEQTSQ
2191	P09960	150	ILPCQD T PSVKLT
2192	P09960	588	HDQAVR T YQEHKA
2193	P0C0L4	125	DSLRT T NIQGIN
2194	P0C0L4	303	RGLESQ T KLNGQ
2195	P0C0L4	1410	KGHVEY T MEANED
2196	P0C0L4	1721	ERLCR S TRQRAAC
2197	P0CG48	14	LTGKT T LEVEPS
2198	P0CG48	88	KTLTGK T ITLEVE
2199	P0CG48	389	IFVKTL T GKTITL
2200	P0CG48	539	MQIFVK T LTGKTI
2201	P0DI83	22	PRVIVG T IRPRVI
2202	P0DI83	50	RPPPDG T PRPQLA
2203	P0DI83	101	ASPRPR T PVGSPW
2204	P0DI83	114	PRVVVG T PRPRVI
2205	P0DI83	153	QDEHSG T RAEGSR
2206	P10070	286	ALSPA F TFPHPIN
2207	P10070	322	LIQSP T FLAQQP
2208	P10070	812	RDSST S TVSSAYT
2209	P10070	1240	CPG M TT T MSPHAC
2210	P10071	27	VKCSTR T DVSEKA
2211	P10071	39	AVASST T SNEDES
2212	P10071	183	SPHRNP T AASESP
2213	P10071	219	LSMIS A TRGLSPT
2214	P10082	12	RPWPAL T TVLLAL
2215	P10082	13	PWPAL T TVLLALL
2216	P10082	72	KRDGPD T LLSKTF
2217	P10082	77	DTLLSK T FFPDGE
2218	P10145	39	RCQCIK T YSKPFH
2219	P10145	64	GPHCAN T EIIIVKL
2220	P10153	33	VKPPQ F TWAQWFE
2221	P10153	46	TQHIN M TSQQCTN
2222	P10153	114	IHCNLT T PSPQNI
2223	P10153	128	NCRYAQ T PANMFY
2224	P10155	45	FGSEGG T YYIKEQ
2225	P10155	203	IVTKYI T KGWKEV
2226	P10155	222	KALSVET E KLLKY
2227	P10155	260	VREHLL T NHLKSK
2228	P10244	65	SHFPNR T DQQCQY
2229	P10244	87	LVKGPW T KEEDQK
2230	P10244	168	KMLPGR T DNAVKN
2231	P10244	250	ELAAAT S SKEQEP
2232	P10244	286	EGSPPE T SLPYKW
2233	P10244	396	IPISP S TEVGGSG
2234	P10244	424	VALSPV T ENSTSL
2235	P10244	538	LKPLPQ T PHLEED
2236	P10244	601	VKLMM S TLPKSLS
2237	P10244	611	SLSLPT T APSNSS
2238	P10244	654	KPRSH F TTAPAMS
2239	P10244	655	PRSH F TTAPAMSS
2240	P10275	168	LSLLGP T FPGLSS
2241	P10275	229	YLG G TS T ISDNAK
2242	P10275	342	TLELP S TL S LYKS
2243	P10275	497	GQESD F TAPDVWY
2244	P10276	251	QLPG F TT L TIADQ
2245	P10276	253	PG F TT L TIADQIT

2246	P10276	285	PEQDTMT TF SDGLT
2247	P10276	382	KMLMKI TD LRSIS
2248	P10415	56	SSQPGH TP HPAAS
2249	P10415	74	RTSPLQ TP AAPGA
2250	P10415	96	PPVVHL TL RQAGD
2251	P10415	122	SSQLHL TP FTARG
2252	P10415	125	LHLTP FT ARGRFA
2253	P10415	132	ARGRFAT TV VEELF
2254	P10415	178	NIALWM TE YLNHR
2255	P10415	187	LNRLH LT WIQDNG
2256	P10415	219	SWLSLK TL LSLAL
2257	P10415	231	LVGACI TL GAYLG
2258	P10451	14	FCLLGI TC AIPVK
2259	P10451	42	YPDAVAT TW LNPD
2260	P10451	73	NDFKQ ET LPSSKN
2261	P10451	114	SDDVDD TD DSHQS
2262	P10451	134	ESDELV TD FPTDL
2263	P10451	138	LVTDF PT DLPATE
2264	P10451	143	PTDLPAT EV FTP
2265	P10451	147	PATEV FT PPVPTV
2266	P10451	152	FTPVV PT VDTYDG
2267	P10451	155	VVPTV DT YDGRGD
2268	P10451	227	GKDSY ET SQLDDQ
2269	P10515	50	RRNSV TT GYGGVR
2270	P10515	68	TPSSGAT TP RNRLL
2271	P10515	107	PTMQAG TI ARWEK
2272	P10515	288	RDVPLG TP LCIIV
2273	P10588	72	KHYGV FT CEGCKS
2274	P10588	91	RRNLSY TC RSNRD
2275	P10588	213	ARLLF ST VEWARH
2276	P10588	384	GKTPI ET LIRDML
2277	P10599	9	KQIESK TA FQEAL
2278	P10599	30	VVDFSAT WC GPCK
2279	P10599	76	EVKCM PT FQFFKK
2280	P10636	17	MEDHAG TY GLGDR
2281	P10636	30	KDQGGY TM HQDQE
2282	P10636	76	PTAEDV TA PLVDE
2283	P10636	95	AAAQP HT EIPEGT
2284	P10636	123	EAAGHV TE QEPESG
2285	P10636	248	DGRPPQ TA AREAT
2286	P10636	346	PSLGED TK EADLP
2287	P10636	397	KKAKT STR SSAKT
2288	P10636	486	KGQANAT RI PAKT
2289	P10636	562	AKSRLQ TA PVPMP
2290	P10636	580	KSKIG ST ENLKHQ
2291	P10636	731	LSNVSS TS SIDMV
2292	P10644	73	NLQKAG TR TD
2293	P10644	106	ISAEVY TE EDAAS
2294	P10644	192	VNNEWAT SV GEGG
2295	P10644	239	RILMG ST LRKRKM
2296	P10645	17	LCAGQV TA LPVNS
2297	P10645	30	PMNKG DT EVMKCI
2298	P10645	43	VEVISD TL SKPSP
2299	P10645	353	QLAKEL TA EKRLE
2300	P10721	84	KQNEWI TE KAEAT
2301	P10721	354	WIYMN RT FTDKWE
2302	P10721	391	TEGGTY TF LVSNS
2303	P10721	594	RLSFGK TL GAGAF

2304	P10809	54	ADAVAV TM GPKGR
2305	P10809	114	EAGDGT TT ATVLA
2306	P10809	428	TDALNA TRA AVEE
2307	P10809	541	VASLLT TA EVVVT
2308	P10914	76	KEPDPK TW KANFR
2309	P10914	147	GDSSPD TF SDGLS
2310	P10914	266	EPGVQP TS VYGDF
2311	P10914	296	SLQRVF TD LKNMD
2312	P10997	23	LNHLKA TP IESHQ
2313	P10997	37	EKRKC N TATCATQ
2314	P10997	42	NTATCA TQ RLANF
2315	P10997	63	GAILSS TN VGSNT
2316	P11047	71	ATNTCG TP PEEYC
2317	P11047	902	SSCNPV TG QCECL
2318	P11047	1420	SAAADA TE AKNKA
2319	P11047	1529	QLGQLD TV DLNKL
2320	P11142	177	RIINEP TA AAIAY
2321	P11142	222	IFEVK ST AGDTHL
2322	P11142	341	VLVGG STR IPKIQ
2323	P11142	495	SAVDK STG KENKI
2324	P11171	62	SNGDTP TH EDLTK
2325	P11171	120	KEIEFG TS LDEEI
2326	P11171	155	SLSSA ETQ PAQEE
2327	P11171	195	PQSKA ETEL KASQ
2328	P11171	490	HTFFRL TS TD TIP
2329	P11171	627	IEVTV PTS NGDQT
2330	P11171	633	TSNGD QTQ KLAEK
2331	P11171	716	THSPFR TL NINGQ
2332	P11171	734	GPPLVK QT VTIS
2333	P11171	766	TETKT ITY EAAQT
2334	P11171	789	VLLTA QTIT SETP
2335	P11171	801	PSSTTT TTQ ITKT
2336	P11226	24	SYSETV TC EDAQK
2337	P11226	31	CEDAQ KTC PAVIA
2338	P11226	127	RIKKWL TF SLGKQ
2339	P11226	187	EAFLGI TD EKTEG
2340	P11274	403	VVVSE ATI VGVRK
2341	P11274	654	DRVTR STL VLHDL
2342	P11274	700	PRRQSM TV VKKGEH
2343	P11274	891	SCVKL QTV HSIPL
2344	P11277	59	EVVQKK TF TKWVN
2345	P11277	591	KAITA ATL KFTEG
2346	P11277	670	DYGKDL TS VLILQ
2347	P11277	902	EMKTL MTQ IDGVN
2348	P11277	1132	KVIQ GGTD PEYLL
2349	P11277	1296	INDKLL TS QDVSY
2350	P11277	1368	DELQA TTKE KTQH
2351	P11277	1372	ATTKE KTQH LSAA
2352	P11277	1699	FQLKRE TTD LEQW
2353	P11277	1830	VGLDAS TA ESFHR
2354	P11277	2073	ALEKPT TTLE LKER
2355	P11277	2098	QEEEG ETAGE APV
2356	P11309	10	EPHEPL TP PFSA
2357	P11309	53	SHSRNA TR SHSHS
2358	P11309	175	GELPNG TR VPMEV
2359	P11309	225	DLFDF ITER GALQ
2360	P11309	287	GALLKD TV YTD
2361	P11309	290	LKDTVY TD FDGTR

2362	P11309	295	YTDFDG TR VYSPP
2363	P11309	371	RPSDRP TF EETIQN
2364	P11309	390	VLLPQ ET AEIHLH
2365	P11362	17	AVLVTAT LT CTARP
2366	P11362	79	LAESNR TR ITGEE
2367	P11362	319	TAGVNT TD KEMEV
2368	P11362	783	SPSFPD TRS STCS
2369	P11387	258	KAEEVA TF FAKML
2370	P11387	269	MLDHEY TT KEIFR
2371	P11387	591	TAKVFR TY NASIT
2372	P11387	718	KQIALG TS KLNYL
2373	P11388	108	MSCIRV TI DPENN
2374	P11388	181	TKFTVE TA SREYK
2375	P11388	193	KKMFKQ TW MDNMG
2376	P11388	377	PTFDSQ TK ENMTL
2377	P11388	825	PPKDDH TL KFLYD
2378	P11388	964	REYHTD TT VKFVV
2379	P11388	996	KLQTS LT CNSMVL
2380	P11388	1272	QKREP GTK KKQT
2381	P11388	1278	TKTKKQ TT LAFKP
2382	P11388	1279	KTKKQ TT LAFKPI
2383	P11388	1360	SPPK TKTS PKLSN
2384	P11388	1460	KPDPAK TKN RRKR
2385	P11413	10	QVALSR TQ VCGIL
2386	P11413	76	YARSRL TV ADIRK
2387	P11413	91	EPFFKA TP EEKLK
2388	P11413	406	VYTKMM TKK PGMF
2389	P11474	44	APGPAP TR CLPGH
2390	P11474	124	SNECEI TK RRRKA
2391	P11474	190	AGGPRK TA APVNA
2392	P11474	391	LPLLRQ TA GKVL
2393	P11488	85	AIVRAM TT LNIQY
2394	P11488	177	LRSRVK TT GIIET
2395	P11488	258	HRYFAT TS IVLFL
2396	P11488	336	FVFDAV TD IIKE
2397	P11498	514	MVNGPT TP IPVKA
2398	P11498	584	LATRV TR HDLLKI
2399	P11498	750	AGLLK PTA CTMLV
2400	P11498	853	AFDCTA TM KSGNS
2401	P11831	231	PPRSDP TTD QRMS
2402	P11831	387	QTSSSG TV TLPAT
2403	P11831	389	SSSG TV TLPATIM
2404	P11831	429	LGDGSL TV LNAFS
2405	P11926	63	KALPRV TP FYAVK
2406	P11926	83	VKTLA ATG TGFDC
2407	P11926	176	FGATLR TS RLLLE
2408	P11926	390	ENMGAY TV AAAST
2409	P12004	73	AMGVNL TS MSKIL
2410	P12004	196	KEEEAV TI EMNEP
2411	P12004	206	NEPVQL TF ALRYL
2412	P12004	226	PLSSTV TL SMSAD
2413	P12111	22	FLSGFP TT HAQQQ
2414	P12111	2560	ALQINN TA VGHAL
2415	P12111	2980	AAKPA ATK PATTK
2416	P12111	3076	YHGSF STK KSQPP
2417	P12235	84	VIRYFP TQ ALNFA
2418	P12235	126	GGAAG ATSL CFVY
2419	P12235	233	VSYPFD TV RRRMM

2420	P12235	254	DIMYTGT V DCWRK
2421	P12259	598	YVPESI T TLGFCF
2422	P12259	1552	YDDPYK T DVRTNI
2423	P12259	1614	DIPEDT T YKKVVF
2424	P12259	2207	IRVIPK T WNQZIA
2425	P12270	1716	TTTPTAT V MPPTQ
2426	P12270	1863	KKLKSV T PGVTEE
2427	P12270	2086	PLPPRL T IHAPPQ
2428	P12270	2259	TTNETAT G DDGDE
2429	P12273	70	ECMVVK T YLISSI
2430	P12273	87	AFNYKY T ACLCDD
2431	P12273	97	CDDNPK T FYWDFY
2432	P12273	104	FYWDFY T NRTVQI
2433	P12429	46	MLISIL T ERSNAQ
2434	P12429	119	LIEILT T RTSRQM
2435	P12429	121	EILT T RTSRQMKD
2436	P12429	289	DLDIR T EFKKHY
2437	P12644	60	LRDFEAT L LQMFG
2438	P12644	210	LVHHNV T RWETFD
2439	P12644	239	GLAIEV T HLHQTR
2440	P12644	376	KACCV P TELSAIS
2441	P12814	240	DEKAIM T YVSSFY
2442	P12814	293	LEWIR R TIPWLEN
2443	P12814	737	VENQIL T RDAKGI
2444	P12814	820	DFMSRE T ADTDTA
2445	P12821	331	VAEEFF T SLELSP
2446	P12821	430	LALSV S TPEHLHK
2447	P12821	755	TTYSVAT V CHPNG
2448	P12821	1082	VFDGSI T KENYNQ
2449	P12830	66	CTGRQ R TAYFSLD
2450	P12830	340	DRESFP T YTLVVQ
2451	P12830	358	GEGLST T ATAVIT
2452	P12830	646	IQYND P TQESIIL
2453	P12956	58	QSEDEL T PFDMSI
2454	P12956	188	KASRAR T KAGDLR
2455	P12956	449	KRKMP F TEKIMAT
2456	P12956	455	TEKIMAT P EQVGK
2457	P13010	19	CMDVG F TMSNSIP
2458	P13010	122	DVIQHE T IGKKFE
2459	P13010	277	RVKKT W TVVDAKT
2460	P13010	524	PPAEVT T KSQIPL
2461	P13224	35	PCSCAG T LVDAGR
2462	P13224	51	TWASLP T AFFVDT
2463	P13224	57	TAFFVD T TELVL
2464	P13224	63	TTELVL T GNNLTA
2465	P13498	23	SGLILI T GGIVAT
2466	P13498	29	TGGIVAT A GRFTQ
2467	P13498	34	ATAGR F TQWYFGA
2468	P13498	64	KRKKGS T MERWGQ
2469	P13498	74	WGQKYM T AVVKLF
2470	P13498	84	KLFGP F TRNYYVR
2471	P13498	107	AGFLLAT I LGTAC
2472	P13498	111	LATILG T ACLAIA
2473	P13498	132	VRGEQ W TPIEPKP
2474	P13500	16	LLLIAA T FIPQGL
2475	P13500	33	AINAPV T CCYNFT
2476	P13500	55	ASYRR I TSSKCPK
2477	P13500	68	EAVIFK T IVAKEI

2478	P13501	30	SPYSSD TT PCCFA
2479	P13501	31	PYSSD TT PCCFAY
2480	P13501	53	IKEYFY TS GKCSN
2481	P13501	66	PAVV FVTR KNRQV
2482	P13521	227	EEQKLY TD DEDDI
2483	P13521	336	QNGER ATRL FEKP
2484	P13521	418	KSGYPK TP GRAGT
2485	P13521	559	QGSSQ ETD KLAPV
2486	P13569	338	ILRKIF TT ISFCI
2487	P13569	382	QKQ EYKTL EYNLT
2488	P13569	501	SWIMPG TI KENII
2489	P13569	787	QNIHRK TT ASTRK
2490	P13569	791	RKTT ASTR KVSLA
2491	P13569	816	RRLS QETG LEISE
2492	P13569	845	SIPAV TTW NTYLR
2493	P13569	854	TYLRY ITV HKSLI
2494	P13569	910	AVIIT STSS YYVF
2495	P13569	1019	PYIFV ATVP VIVA
2496	P13569	1064	SLKGL WTL RAFGR
2497	P13569	1115	IFFIA VTF ISILT
2498	P13611	592	SEDTI HTH LEDLE
2499	P13611	1794	DSTPV FTE TNTLE
2500	P13611	2195	GL ESYTT LPEATE
2501	P13611	3057	FNTEV ATPP FSLI
2502	P13612	19	RAAVR ETV MLLLC
2503	P13612	100	GKNPG QTC QLQL
2504	P13612	332	GAPMQ STI REEGR
2505	P13612	941	KFEIR ATGF PEPN
2506	P13639	36	HGKST LTD SLVCK
2507	P13639	69	EQERC ITIK STAI
2508	P13639	73	CITIK STAI SLFY
2509	P13639	139	SGVCV QTE TVLRQ
2510	P13639	224	LHGWA FTLK QFAE
2511	P13639	355	ALLQM ITIH LPS
2512	P13639	404	ISKMV PTSD KGRF
2513	P13639	484	FLVKT GTIT TFEH
2514	P13639	666	NILTD ITKG VQYL
2515	P13639	687	AGFQW ATKE GALC
2516	P13639	735	LYASV LTAQ PRLM
2517	P13639	779	ESQV AGT PMFVVK
2518	P13646	34	GVSTC STR FVSGG
2519	P13646	107	TGNEK ITM QNLND
2520	P13646	298	AE EFH TKSAELN
2521	P13646	319	MIQTS KTE ITELR
2522	P13688	32	TFWN PPTA QLTT
2523	P13688	241	YGPDT PTIS PSDT
2524	P13688	311	VTGCN RTTV KTII
2525	P13688	380	LSQGN TTLS INPV
2526	P13693	39	GKMVS RT EGNIDD
2527	P13693	62	GPEGE GTE STVIT
2528	P13693	65	GEGT ESTV ITGVD
2529	P13693	81	NHHLQ ETS SFTKEA
2530	P13796	60	TENLM ATGD LDQD
2531	P13796	84	FHGLK STD VAKTF
2532	P13796	394	GALEGE TRE ERTF
2533	P13796	614	NPKM VMTV FACLM
2534	P13798	112	LRKAG GTP GEEK
2535	P13798	179	AESFF QTK ALDVS

2536	P13798	426	MVAQFS T PSLPPT
2537	P13798	692	YYRALK T RNVVPR
2538	P13807	49	IYTVLQ T KAKVTG
2539	P13807	207	IFTTHA T LLGRYL
2540	P13807	529	GIPSIS T NLSGFG
2541	P13807	715	NSVDTA T SSSLST
2542	P14210	239	QRWDHQ T PHRHKF
2543	P14210	316	GEGYRG T VNTIWN
2544	P14210	406	MGNLSQ T RSGLTC
2545	P14210	476	EGDTP T IIVNLDH
2546	P14314	26	PRGVSL T NHHFYD
2547	P14314	115	GVICENT T CKEKGR
2548	P14314	242	THPELD T DGDGAL
2549	P14314	298	PSAPDL T EPKEEQ
2550	P14316	127	KGKKPK T EKEDKV
2551	P14316	268	YLSNMG T RGSYLL
2552	P14316	291	KPDLQV T IKEESN
2553	P14316	338	ASVIKK T SDITQA
2554	P14317	16	VSVSV T QGDDWD
2555	P14317	148	GEVEKH T SQKDYS
2556	P14317	272	QERKAV T KRSPEA
2557	P14317	456	DPDDVI T DIEMVD
2558	P14410	1368	FPDFFR T STAEEW
2559	P14410	1406	SFVNGT T TNQCRN
2560	P14410	1563	NHNIAN T RRQDPA
2561	P14410	1734	DGESID T YERDLY
2562	P14598	53	IYEFHK T LKEMFP
2563	P14598	133	LPTDNQ T KKPETY
2564	P14598	150	DGKSTAT T DITGPI
2565	P14598	382	NRCSE T KRKLAS
2566	P14618	114	VAVALD T KGPEIR
2567	P14618	121	KGPEIR T GLIKGS
2568	P14618	129	LIKSG T ALEVELK
2569	P14618	522	RPGSG T NTMRVV
2570	P14625	288	WSSKT T VEEPME
2571	P14625	323	EEKKPK T KKVEKT
2572	P14625	376	MAYIH T AEGEVT
2573	P14625	709	EDEDDK T VLDLAV
2574	P14635	71	EAKPSA T GKVIDK
2575	P14635	321	VDVEQH T LAKYLM
2576	P14635	330	KYLMEL T MLDYDM
2577	P14635	399	GLTKHM T VKNKYA
2578	P14672	76	SSIPPG T LTLWA
2579	P14672	174	LRGALG T LNQLAI
2580	P14672	316	STSIF T AGVGQP
2581	P14672	486	SAAFHR T PSLLEQ
2582	P14678	30	GRIFIG T FAFDK
2583	P14678	81	ENLVSM T VEGPPP
2584	P14678	90	GPPPKD T GIARVP
2585	P14678	166	SIAGAP T QYPPGR
2586	P14778	54	PNEHKG T ITWYKD
2587	P14778	210	GKQYPI T RVIEFI
2588	P14778	311	FYKHP T CFAKNT
2589	P14778	346	GICVTL T VIIIVCS
2590	P14859	500	VTGTSD T TSNNTA
2591	P14859	543	ASSASE T STTQTT
2592	P14859	545	SASETS T TQTTST
2593	P14859	551	TTQTT T SPLSSPL

2594	P14866	175	AFVNYST S QKISR
2595	P14866	282	FKNDQD T WDYTNP
2596	P14866	437	AVDRAI T HLNNNF
2597	P14866	513	NAPLEV T EENFFE
2598	P15036	174	KENQEK T EDQYEE
2599	P15036	200	NTLGFG T EQAPYG
2600	P15036	385	QSFISW T GDGWEF
2601	P15036	433	KNIIHK T SGKRYV
2602	P15056	57	KQMIKL T QEHIEA
2603	P15056	121	ASMDTV T SSSSSS
2604	P15056	142	SVFQN P TDVARSN
2605	P15056	176	PARCGV T VRDSLK
2606	P15056	233	LENVPL T THNFVR
2607	P15056	244	VRKTF F TLAFCDF
2608	P15056	263	QGFRCQ T CGYKFH
2609	P15056	313	LAETAL T SGSSPS
2610	P15056	411	SLPGSL T NVKALQ
2611	P15056	458	IPDGQI T VGQRIG
2612	P15056	521	LFMGY S TKPQLAI
2613	P15056	589	FLHEDL T VKIGDF
2614	P15121	114	YLIHW P TGFKPGK
2615	P15121	136	NVVPSD T NILDTW
2616	P15121	244	AAKHNK T TAQVLI
2617	P15121	266	VIPKSV T PERIAE
2618	P15151	59	VPNMEV T HVSQLT
2619	P15151	199	PGFLSG T VTVTSL
2620	P15151	309	DKPINT T LICNVT
2621	P15151	385	HLCPS S TEHASAS
2622	P15172	14	LRDVDL T APDGSL
2623	P15172	105	KACKRK T TNADRR
2624	P15172	261	IVERIS T ESPAAP
2625	P15172	298	ESSGD P TQSPDAA
2626	P15289	70	VPVSLC T PSRAAL
2627	P15289	106	LPLEEV T VAEVLA
2628	P15289	274	LGLLE T LVIFTA
2629	P15289	391	GVFAVR T GKYKAH
2630	P15311	98	ELIQDI T QKLFFL
2631	P15311	164	MDQHKL T RDQWED
2632	P15311	299	RRRK P DTIEVQQM
2633	P15311	519	NEEKRI T EAEKNE
2634	P15336	144	LPHPE S TTSDEKE
2635	P15336	145	PHPE S TTSDEKEV
2636	P15336	156	EVPLAQ T AQPTSA
2637	P15336	199	TSSTVI T QAPSSN
2638	P15336	305	GSGLV R TQSEESR
2639	P15336	320	SLQQP A TSTTETP
2640	P15336	322	QQPAT S TTETPAS
2641	P15336	325	ATST T ETPASPAH
2642	P15336	336	AHT T PQTQSTSGR
2643	P15336	339	TPQTQ S TSGRRRR
2644	P15336	449	VPSSPH T EAIQHS
2645	P15336	485	QMADQ S TEPALSQ
2646	P15391	47	GTSDG P TQQLTWS
2647	P15391	112	AWQPGW T VNVEGS
2648	P15391	287	WHWLL R TGGWKVS
2649	P15391	475	TQPVAR T MDFLSP
2650	P15502	248	AGYPTG T GVGPQA
2651	P15502	300	GIAGVG T PAAAAA

2652	P15502	396	GVGGIPT Y GVGAG
2653	P15502	485	GVPGVG T PAAAAA
2654	P15529	76	YIPPLA T HTICDR
2655	P15529	78	PPLA T HTICDRNH
2656	P15529	292	VLPPSS T KPPALS
2657	P15529	303	LSHSV S TSSTTKS
2658	P15927	50	QHIVP C TISQLLS
2659	P15927	58	SQLLSA T LVDEVF
2660	P15927	75	VEISQV T IVGIIR
2661	P15927	88	HAEKAP T NIVYKI
2662	P15927	98	YKIDDM T AAPMDV
2663	P15927	110	VRQWVD T DDTSSE
2664	P15927	113	WVD T DDTSSENTV
2665	P15927	118	DT S SENTVVPET
2666	P15927	124	TVVPP E TYVKVAG
2667	P15927	157	DMNE F TTHILEVI
2668	P15927	206	MPANGL T VAQNQV
2669	P15927	258	EGHI Y STVDDDH
2670	P15941	30	SGHAS S TPGGEKE
2671	P15941	37	PGGE K ETSATQRS
2672	P15941	93	ASGSA T WGQDVT
2673	P15941	159	PPAHGV S APDTR
2674	P15941	384	VTSAPD T RPAPGS
2675	P15941	731	RPAPGS T APPAHG
2676	P15941	939	PPAHGV S APDNR
2677	P15941	1010	TLASH S TKTDASS
2678	P15941	1202	IFPARD T YHPMSE
2679	P15976	101	GWAYG K TGLYPAS
2680	P15976	176	STFF S PTGSPLNS
2681	P15976	259	RAGTQ C TNCQTTT
2682	P15976	263	QCTNCQ T TTTTLW
2683	P16066	373	TLAHGG T VDGEN
2684	P16066	393	RSFQGV T GYLKID
2685	P16066	429	VLNYNG S SQELVA
2686	P16066	603	RFVGAC T DPPNIC
2687	P16066	640	MFRYSL T NDIVKG
2688	P16066	694	DPEQGH T VYAKKL
2689	P16066	756	EIIERV T RGEQPP
2690	P16066	866	QLKRGE T VQAEAF
2691	P16066	886	SDIVGF T ALSAES
2692	P16066	893	ALSAES T PMQVVT
2693	P16066	977	LRIGI H TGPVCAG
2694	P16066	1048	GKGKVR T YWLLGE
2695	P16070	234	SATATE T ATKRQE
2696	P16070	260	SKNHL H TTTQMAG
2697	P16070	484	SITLQ P TANPNTG
2698	P16070	515	NSQS F TSHEGLE
2699	P16150	79	EGSPLW S SIGAST
2700	P16150	93	SPLPE P TTYQEV
2701	P16150	235	STMMS P TTSTNAS
2702	P16150	238	MSPT T STNASTVP
2703	P16152	101	FKVAD P TPFHIQA
2704	P16152	118	KTNFFG T RDVCTE
2705	P16152	179	NKFVED T KKGVHQ
2706	P16152	241	MAGPKA T KSPEEG
2707	P16157	267	RGAQIE T KTDEL
2708	P16157	981	IIALGP T GAQFLS
2709	P16157	1262	LRCYCM T DDKVDK

2710	P16157	1850	QEHEEV T VEGPLE
2711	P16220	52	ATSSAP T VTLVQL
2712	P16220	186	GQYIAI T QGGAIQ
2713	P16220	208	QGLQTL T MTNAAA
2714	P16220	256	QTYQIR T APTSTI
2715	P16234	105	TCYYNH T QTEENE
2716	P16234	393	EDSGHY T IVAQNE
2717	P16234	632	VKMLKP T ARSSEK
2718	P16234	674	GPIYII T EYCFYG
2719	P16284	54	QNGKNL T LQCFAD
2720	P16284	64	FADVST T SHVKPQ
2721	P16284	235	VTESFS T PKFHIS
2722	P16284	335	ELESSF T HLDQGE
2723	P16401	9	ETAPAET T ATPAPV
2724	P16401	25	PAKKKAT T KKAAGA
2725	P16401	48	PVSELI T KAVAAS
2726	P16401	95	SLVSKG T LVQTKG
2727	P16401	99	KGTLVQ T KGTGAS
2728	P16401	102	LVQTKG T GASGSF
2729	P16401	187	AKPKKAT T KSPAKP
2730	P16410	72	ATEVRV T VLQRAD
2731	P16410	115	GNQVNL T IQGLRA
2732	P16410	124	GLRAMD T GLYICK
2733	P16410	197	KKRSPL T TGVYVK
2734	P16435	146	YGEDPT T DNAQDF
2735	P16435	218	LEEDFI T WREQFW
2736	P16435	296	RKLNQG T ERHLMH
2737	P16435	369	CPTSYR T ALTYYL
2738	P16930	114	ISQASAT T MHLPAT
2739	P16930	171	SVVVSG T PIRRPM
2740	P16930	257	LGKSFG T TVSPWV
2741	P16930	325	FKYMYW T MLQQLT
2742	P16949	102	MAEEKL T HKMEAN
2743	P17096	21	KQEKDG T EKRGRG
2744	P17096	72	NKGAAK T RKTTTT
2745	P17096	75	AAKTRK T TTTPGR
2746	P17096	76	AKTRKT T TTTPGRK
2747	P17096	77	KTRKTT T TPGRKP
2748	P17302	39	RILLG T AVESAW
2749	P17302	154	RGGLLR T YIISIL
2750	P17302	186	SLSAVY T CKRDPC
2751	P17302	204	CFLSRP T EKTIFI
2752	P17612	38	ESPAQN T AHLDQF
2753	P17612	52	RIKTLG T GSFGRV
2754	P17612	66	LVKHKE T GNHYAM
2755	P17612	89	LKQIEH T LNEKRI
2756	P17612	154	AAQIVL T FEYLHS
2757	P17612	184	QGYIQV T DFGFAK
2758	P17612	279	LLQVDL T KRFGNL
2759	P17612	300	NHKWFAT T TDWIAI
2760	P17612	301	HKWFAT T DWIAIY
2761	P17612	325	FKGPGD T SNFDDY
2762	P17661	76	RASRLG T TRTPSS
2763	P17661	77	ASRLGT T TRTPSSY
2764	P17661	79	RLGTTR T PSSYGA
2765	P17661	106	EFLTTR T NEKVEL
2766	P17661	149	LKGREP T RVAELY
2767	P17661	170	RQVEVL T NQRARV

2768	P17661	271	MSKPDLTAAALRDI
2769	P17661	283	IRAQYETIAAKNI
2770	P17661	341	IDALKGTNDSLMR
2771	P17661	404	LDVEIATYRKLL
2772	P17661	445	EVHTKKTVMIKTI
2773	P17661	453	MIKTIETRDGEVV
2774	P17676	92	QAPAPATATDTFE
2775	P17676	94	PAPATATDTFEAA
2776	P17676	96	PATATDTFEAAPP
2777	P17676	246	DAKAPPTACYAGA
2778	P17676	299	KMRNLETQHKVLE
2779	P17676	307	HKVLELTAENERL
2780	P17676	326	LSRELSTLRNLFK
2781	P17707	34	GSGDLRTIPRSEW
2782	P17707	81	RRFILKTCGTLL
2783	P17707	84	ILKTCGTLLLLKA
2784	P17707	323	DYNFVFTSFAKKQ
2785	P17735	82	LSIGDPTVFGNLP
2786	P17735	321	RILGPCITIVQGAL
2787	P17735	334	KSILCRTPGEFYH
2788	P17735	342	GEFYHNLSFLKS
2789	P17858	38	AAVRAVTRMGIYV
2790	P17858	193	EVIDAITTTAQSH
2791	P17858	337	TPACVVTLSGNQS
2792	P17858	617	MTEKMKTDIQRGL
2793	P17931	98	SGQPSATGAYPAT
2794	P17931	133	VPRMLITILGTVK
2795	P17931	137	LITILGTVKPNAN
2796	P17931	175	RVIVCNTKLDNNW
2797	P17936	85	QPCGIYTERCGSG
2798	P17936	157	SPSVSSTHRVSDP
2799	P17936	195	DYESQSTDTQNFS
2800	P17936	208	SESKRETEYGPCR
2801	P17948	166	VTSPNITVTLKKF
2802	P17948	198	FIIISNATYKEIGL
2803	P17948	612	KQKMAITKEHSIT
2804	P17948	747	ESSAYLTVQGTSD
2805	P17987	60	ITNDGATILKLL
2806	P17987	244	DFSLQKTKMKLGV
2807	P17987	451	LLVIPNTLAVNAA
2808	P17987	507	AGVFEPITIVKVKS
2809	P18031	91	QGPLPNTCGHFE
2810	P18031	178	LHFHYTTWPDFGV
2811	P18031	224	GIGRSGTFCLADT
2812	P18031	230	TFCLADTCLLLMD
2813	P18124	67	YRQMYRTEIRMAR
2814	P18124	121	RQIFNGTFVKLNK
2815	P18124	170	KKRIALTDNALIA
2816	P18124	224	GGMKKKTTHFVEG
2817	P18206	64	GKETVQTTEDQIL
2818	P18206	614	LLAVAATAPPDAP
2819	P18206	1088	EESEQATEMLVHN
2820	P18206	1123	RTDAGFTLRWVRK
2821	P18509	138	HSDGIFTDSYSRY
2822	P18669	66	QKRAIRTLWTVLD
2823	P18669	96	RHYGGLTGLNKA
2824	P18669	146	RRYADLTEDQLPS
2825	P18669	159	CESLKDTIARALP

2826	P18754	252	FCGAYFTFAISHE
2827	P18754	339	EEKSIPTLISRLP
2828	P18754	379	TNYQLGTGQDEDA
2829	P18754	411	SSGGQHTVLLVKD
2830	P18887	18	CSSQDSTHCAENL
2831	P18887	42	AKAGEKTISSVVLQ
2832	P18887	90	YEVLLVTSSFMSP
2833	P18887	215	PSYAAATLQASSA
2834	P18887	279	PKLPAPTTRTPATA
2835	P18887	281	LPAPTRTPATAPV
2836	P18887	284	PTRTPATAPVPAR
2837	P18887	296	RAQGAVTGKPRGE
2838	P18887	304	KPRGEGTEPRRPR
2839	P18887	354	KYRPDWTRDSTHL
2840	P18887	367	ICAFANTPKYSQV
2841	P18887	586	RVQFVITAQEWDP
2842	P19021	100	PRASMDTVHHMLL
2843	P19021	143	ARNAPPTRLPKGVS
2844	P19021	328	HAVSFMCTQNVAV
2845	P19021	330	VSFMTCTQNVAPD
2846	P19021	487	PPPGEGTWEPEHT
2847	P19021	493	TWEPEHTGDFHME
2848	P19021	642	VAVDPGTGAIYVS
2849	P19021	684	PLPGQFTVPHSLA
2850	P19021	792	VASEDGTVIIGDA
2851	P19021	802	GDAHTNTVWKFTL
2852	P19021	809	VWKFTLTEKLEHR
2853	P19021	870	VPVVLITLLVIP
2854	P19022	435	GRFAIQTDPNSND
2855	P19022	615	EAETCETPDPNSI
2856	P19022	647	LPLSPVTIKRNWT
2857	P19022	795	QLQQPDVPEPAI
2858	P19113	149	GGVLQSTVSESTL
2859	P19113	248	CATLGTGVCAPD
2860	P19113	456	VTSQFTTRDDILR
2861	P19113	544	NGLHLETLDPVD
2862	P19174	61	LETRQITWSRGAD
2863	P19174	618	SRQDAGTPKFFLT
2864	P19174	624	TPKFFLTDLNVFD
2865	P19174	1185	PVKGLKTGYRAVP
2866	P19367	275	SLEDIRTEFDREI
2867	P19367	325	LFEGRITPELLTR
2868	P19367	330	ITPELLTRGKFNT
2869	P19367	503	LGLRKQTHNNAV
2870	P19404	28	VRNLHKTVMQNGA
2871	P19404	44	LFVHRDTPENNP
2872	P19404	120	EVATFYTMYNRKP
2873	P19404	232	EPAGGLTSLTEPP
2874	P19419	27	GHIISWTSRDGGE
2875	P19419	53	GLRKNKTNMNYDK
2876	P19419	96	EVAGCSTEDCPPQ
2877	P19419	126	HAAPGDTVSGKPG
2878	P19419	161	RSGLYSTFTIQSL
2879	P19419	163	GLYSTFTIQSLQP
2880	P19419	199	PSGSRSTSPSPLE
2881	P19419	269	RGFVPETTKAEPE
2882	P19419	270	GFVPETTKAEPEV
2883	P19419	293	PAVVMDTAGQAGG

2884	P19419	359	TPSLLP T HTLTPV
2885	P19419	361	SLLPTH T LTPVLL
2886	P19429	119	DIEAKV T KNITEI
2887	P19429	123	KVTKNI T EIADLT
2888	P19525	16	FMEELN T YRQKQG
2889	P19525	149	SIGTGS T KQEAQ
2890	P19525	170	QILSE T SVKSDY
2891	P19525	184	SSGSF T TCESQS
2892	P19525	197	NSLVT S TLASESS
2893	P19525	336	FDYDP E TSDDSL
2894	P19525	359	NSSRSK T KCLFIQ
2895	P19525	425	NIFLVD T KQVKIG
2896	P19525	487	LLHVCD T AFETSK
2897	P19525	513	FDKKE K TLQKLL
2898	P19525	529	PEDRP N TSEILRT
2899	P19525	535	TSEIL R TLTVWKK
2900	P19793	223	ENEVE S TSSANED
2901	P19793	266	SPNDPV T NICQAA
2902	P19793	328	DGILL A TGLHVHR
2903	P19793	449	GDTPI D TFLMEML
2904	P19801	68	TTMAK N TVFLIEM
2905	P19801	503	HGTRL H THLIGNI
2906	P19801	511	LIGNI H THLVHYR
2907	P19801	531	TKNSF Q TLQMKLE
2908	P19823	335	TVEAM K TILDDL
2909	P19823	609	AAKR R ITRSILQM
2910	P19823	781	ISTET I TLSHGSS
2911	P19823	849	GIYIP P TNKFSPK
2912	P19827	147	RTMEQ F TIHLTVN
2913	P19827	659	THSS S NTQRLPDR
2914	P19827	706	LVQDP N TGFSVNG
2915	P19827	747	DFQLE V TPQNITL
2916	P19838	24	DPSL T H T IFNPEV
2917	P19838	303	FGDF S P T DVHRQF
2918	P19838	315	FAIV F K T PKYKDI
2919	P19838	566	RDLLE V TSGLISD
2920	P20020	244	IDESS L TGESDHV
2921	P20020	264	PLLL S G T HVMEGS
2922	P20020	276	SGRM V V T AVGVNS
2923	P20020	440	GLPL A V T ISLAYS
2924	P20020	477	AICSD K TGTLTMN
2925	P20020	516	ILSYL V TGISVNC
2926	P20020	525	SVNC A Y T SKILPP
2927	P20020	545	RHVGN K T ECALLG
2928	P20020	672	NENDI V TGLTCIA
2929	P20020	831	ASDI I L T DDNFTS
2930	P20020	927	KPLIS R TMMKNIL
2931	P20020	945	QLVV V F T LLFAGE
2932	P20138	125	RMERG S TKYSYKS
2933	P20138	192	SLGPR T THSSVLI
2934	P20138	268	IGGAG V TALLALC
2935	P20138	303	NDTH P T T GSASPK
2936	P20155	16	LLLL A V T FAASLI
2937	P20155	33	LFSKY R T PNCSQY
2938	P20155	58	CGSD M S T YANECT
2939	P20155	64	TYANE C T LCMKIR
2940	P20336	105	ILMYD I T NEESFN
2941	P20336	122	WSTQ I K T YSWDNA

2942	P20336	193	MSESLD T ADPAVT
2943	P20336	199	TADPAV T GAKQGP
2944	P20338	9	QTAMSE T YDFLFK
2945	P20338	45	KDDSNH T IGVEFG
2946	P20338	137	DADREV T FLEASR
2947	P20338	155	ELMFLE T SALTGE
2948	P20366	15	VFFLV S TQLFAEE
2949	P20366	100	SHKRHK T DSFVGL
2950	P20393	239	SQCPLE T SPTQHP
2951	P20393	242	PLETS P TQHPTPG
2952	P20393	326	SGSPPA T TPHRWE
2953	P20393	502	MFLSRT T YSLQEL
2954	P20472	22	VGAFS A TDSFDHK
2955	P20472	83	DLSAKE T KMLMAA
2956	P20591	242	DPEGDR T IGILTK
2957	P20591	477	DMLHTV T DMVRLA
2958	P20591	501	FFNLHR T AKSKIE
2959	P20591	651	ERLARL T QARRRL
2960	P20749	108	PLVNL P TPLYPMM
2961	P20749	363	ILRGKA T RPASTS
2962	P20749	368	ATRPAS T SQPDPS
2963	P20749	381	PDRSANT S PESSES
2964	P20908	188	DCKKK T TKFLDRS
2965	P20908	304	EAAKET T EVPEEL
2966	P20908	408	GEFTE T IRNLDE
2967	P20908	990	TGFQ G KTGPPGPP
2968	P20933	86	DELGET T LDAMIM
2969	P20933	123	KVLEHT T HTLLVG
2970	P20933	149	NEDLST T ASQALH
2971	P20933	310	VICANV T GSYGAA
2972	P21127	217	VSAHHR T MREDYS
2973	P21127	319	EEEE G STSEES
2974	P21127	337	EEEEEE T GSNSEE
2975	P21127	448	NRIE G TYGVVYR
2976	P21127	541	LPGEV K TLMIQLL
2977	P21127	565	LHRDL K TSNLLLS
2978	P21127	600	YTPVV V TLWYRAP
2979	P21127	675	PAVK K MTFSEHPY
2980	P21127	705	LMNK F LYFPGRR
2981	P21127	737	DPSM F PWPASE
2982	P21127	751	QRVK R GTSRPPE
2983	P21127	773	DDDL K ETGFHLTT
2984	P21283	18	EKTC Q Q T WEKLHA
2985	P21283	26	EKLHA A TSKNNNL
2986	P21283	35	NNNLAV T SKFNIP
2987	P21283	203	WIKQ Y ETLAEMVV
2988	P21397	167	IDKIC W TKTARRE
2989	P21397	276	INAIP P TLAKIH
2990	P21397	417	FPPGIM T QYGRVI
2991	P21397	489	AVEITH T FWERNL
2992	P21453	48	ENSIKL T SVVFIL
2993	P21453	73	LLTIW K TKKFHRP
2994	P21453	108	LLLSG A TTYKLTP
2995	P21453	109	LLSG A TTYKLTPA
2996	P21453	145	AIERY I TMLKMKL
2997	P21453	193	ALSSC S TVLPLYH
2998	P21453	207	HYIL F CTTVFTLL
2999	P21453	230	IYSLVR T RSRRLT

3000	P21453	257	SLALLK T VIIIVLS
3001	P21453	286	VGCKVK T CDILFR
3002	P21453	312	TNPIIY T LTNKEM
3003	P21453	371	EGDNP E TIMSSGN
3004	P21549	9	SHKLLV T PPKALL
3005	P21549	154	PVLLFL T HGESST
3006	P21549	160	THGES S TGVLQPL
3007	P21549	322	LRLPTV T TVAVPA
3008	P21675	521	DEKEE A TSNSPSK
3009	P21675	929	IDDEV R TAPWNTT
3010	P21675	1422	DYYKII T RPMDLQ
3011	P21675	1703	ADEEE G TVQQPQA
3012	P21730	29	NTPVDK T SNTLRV
3013	P21730	129	SILL A TISADRF
3014	P21730	240	ATRSTK T LKVVVA
3015	P21730	274	LEPSS P TFLLLKK
3016	P21754	62	SKDLFG T GKLIRA
3017	P21754	114	DALVYS T FLLHDP
3018	P21754	260	PRPGPD T LQFTVD
3019	P21754	403	VVSL T LTAVILVL
3020	P21796	51	GSANT E TTKVTGS
3021	P21796	65	ETKYRW T EYGLTF
3022	P21796	77	FTEKW N TDNTLGT
3023	P21796	175	FAVG Y KTDEFQLH
3024	P21815	122	EDATPG T GYTGLA
3025	P21815	125	TPGT G YTGAAIQ
3026	P21815	181	GINGT S TNSTEAE
3027	P21815	217	AEDT T ETGRQGKG
3028	P21980	16	CDLE L ETNGRDHH
3029	P21980	42	GQPF W LTLHFEGR
3030	P21980	295	RCLG I PTRVVTNY
3031	P21980	513	LLLCAR T VSYNGI
3032	P22061	25	KNGI I KTDKVFEV
3033	P22061	35	FEV M LATDRSHYA
3034	P22061	103	ARMVG C TGKVIGI
3035	P22061	129	VRKDD P TLLSSGR
3036	P22234	84	TRKC G ETAFIAPQ
3037	P22234	238	RDLKE V TPEGLQM
3038	P22234	309	HKGP D ETLRIKAE
3039	P22234	354	ISCP P LTPDWGVQ
3040	P22314	280	TFSIC D TSNFSY
3041	P22314	682	TLRL A G T QPLEVL
3042	P22314	735	FPPD Q L T SSGAPF
3043	P22314	981	FLDY F K T EHKLEI
3044	P22466	35	KEKRG W TLNSAGY
3045	P22466	61	SDK N GL T SKRELR
3046	P22466	89	ENNIM R T IIEFLS
3047	P22681	126	ENLM K K T KQTISL
3048	P22681	129	MKK T K Q T ISLFKE
3049	P22681	568	RRPL P C T PGDCPS
3050	P22681	615	WTGRE L TNRHSLP
3051	P22692	58	GCGCC A T CALGLG
3052	P22692	92	VEKPL H T LMHGQG
3053	P22692	151	KIRDR S T SGGKMK
3054	P22692	233	WCVDR K T GVKLPG
3055	P22735	22	PLQP P T TPSPEPE
3056	P22735	461	WQVVD A T PQETSS
3057	P22735	647	GASDR V T MPVAYK

3058	P22735	749	DIGGNET TV TLRQS
3059	P22736	27	LASDPL T PEFIKP
3060	P22736	48	AAPAAP T ALPSFS
3061	P22736	166	HFSPSQ TY EGLRA
3062	P22736	196	FSFSPPT TG PSPSL
3063	P22891	296	HLLIPR TR GLLSG
3064	P22891	320	LTTRPV TL VEGEE
3065	P22891	358	MDGSVV TR HRGS
3066	P22891	386	AHMLV TK VSRY
3067	P22914	9	KTGT KI TFYEDKN
3068	P22914	32	DCADF H TYLSRCN
3069	P22914	111	SGQMY ET TEDCPS
3070	P22914	112	GQMY ET TEDCPSI
3071	P23025	51	ARPYSAT AAA ATG
3072	P23025	71	APKI ID TGGGFIL
3073	P23025	125	NHFDLP T CDNCRD
3074	P23025	239	SVWKRE T IVHQHE
3075	P23193	154	LAAALR TG DDYIA
3076	P23193	241	EMRKNL TK EAI
3077	P23193	258	KTGGT Q TDLFTCG
3078	P23193	286	SADEPM TT FVVCN
3079	P23229	80	LQRANR TG GLYSC
3080	P23229	718	ALEITV TN SPSNP
3081	P23229	803	TEVTFD T PDLDIN
3082	P23229	932	INSLNL TE SHNSR
3083	P23246	138	PPATPP T SGAPPG
3084	P23246	152	GPGPT P PPPAVT
3085	P23246	176	PSSGV P TPPQAG
3086	P23246	294	PGEKTY TQ RCRLF
3087	P23246	309	NLPAD I TEDEFKR
3088	P23246	355	KAELDD T PMRGRQ
3089	P23246	368	LRVRFAT H AAALS
3090	P23246	411	DDRGR ST GKGIVE
3091	P23246	440	GVFLL T TPRPVI
3092	P23246	441	VFLL T TPRPVIV
3093	P23246	476	YQKER E TPPFAQ
3094	P23246	485	RFAQHG T FEYEYS
3095	P23297	11	LETAM E TLINVFH
3096	P23297	40	LKELL Q TELSGFL
3097	P23297	83	VLVAAL T VACNNE
3098	P23327	27	LLPPAM TQ QLRGD
3099	P23327	44	RNRNN ST GVAGLS
3100	P23327	142	GHGSE D TEDSA
3101	P23327	207	EEEEAS TE YGHQA
3102	P23327	384	EEEE E ITVQFGHY
3103	P23327	412	FQDEY K TEVPHHH
3104	P23327	469	HHPPGH T VVKDRS
3105	P23327	509	EQGEKG TH HGSRD
3106	P23327	585	EDEPR F TIIPNPL
3107	P23327	610	EESGED TG PQDAQ
3108	P23327	637	SFCNR C TECESCH
3109	P23327	671	CPLVC E TVCAPGS
3110	P23396	26	ELNEFL T RELAED
3111	P23396	44	EVRVT P TRTEIII
3112	P23396	46	RVTP TR TEIIILA
3113	P23396	53	EIIILAT RT QNVL
3114	P23396	55	IILAT RT QNVLGE
3115	P23396	93	YAEKVAT TR GLCAI

3116	P23396	170	VNYYVD T AVRHVL
3117	P23396	195	MLPWD P TGKIGPK
3118	P23396	220	KDEIL P TTPISEQ
3119	P23434	40	GVGAVR T LRTGPA
3120	P23434	54	LSVRKF T EKHEWV
3121	P23434	68	TENGIG T VGISNF
3122	P23434	121	PLSGEV T EINEAL
3123	P23443	77	KFEISE T SVNRGP
3124	P23443	112	FQVRKV T GANTGK
3125	P23443	137	VRNAKD T AHTKAE
3126	P23443	140	AKDTA H TKAERNI
3127	P23443	164	LIYAF Q TGGKLYL
3128	P23443	235	QGHVKL T DFGLCK
3129	P23443	248	ESIHDG T VHTTFC
3130	P23443	250	IHDGT V THTFCGT
3131	P23443	288	LMYDML T GAPPFT
3132	P23443	390	SKFTR Q TPVDSPD
3133	P23443	470	STAN P QTPVEYPM
3134	P23443	487	IEQMDV T MSGEAS
3135	P23458	147	KKIPDA T PLLDAS
3136	P23458	373	SYFPEI T HIVIKE
3137	P23458	901	DPEGDN T GEQVAV
3138	P23458	1025	IGDFGL T KAIETD
3139	P23508	103	DRLQGT T IREEDE
3140	P23508	420	NDLLT I TLEECKS
3141	P23508	562	SCDTE F TKEDEQR
3142	P23508	713	LAE L RTTCSENEL
3143	P23526	57	AGCLH M TVETA V L
3144	P23526	106	YAWKGE T DEEY L W
3145	P23526	261	EGYEV T TMDEAC Q
3146	P23526	274	EGNIF V TTTGCID
3147	P23528	70	VDDPYA T FFVKMLP
3148	P23528	88	YALYDA T YETKES
3149	P23528	91	YDATY E TKESKKE
3150	P23528	129	AIKKKL T GIKHEL
3151	P23588	18	GKTISL T DFLAED
3152	P23588	205	WRARPA T DSFDDY
3153	P23588	355	ASTSQ S TRAAS I F
3154	P23588	506	TEQQS P TSGGGK V
3155	P23760	304	AMPTL P TYQL S ET
3156	P23760	397	QVMGL L TNHGG V P
3157	P23760	423	GGLE P TTVSAS C
3158	P23760	456	PPTY S T T GY S MD P
3159	P24385	12	LCCEV E TIRRAY P
3160	P24385	37	MLKA E ETCAP S VS
3161	P24385	62	MRKIV A T W MLE V C
3162	P24385	105	LQLLG A T C MFV A S
3163	P24385	116	ASKM K E T IPLT A E
3164	P24385	120	KETI P L T AEK L CI
3165	P24385	128	EKLCIY T DN S IR P
3166	P24385	156	WNLAAM T PHDF I E
3167	P24385	184	IRKHA Q T F VAL C A
3168	P24385	191	FVALCA T DVK F IS
3169	P24385	230	LSYYRL T RFLSR V
3170	P24390	45	LFVV V F T ARY L DL
3171	P24390	85	YSKFKA T YDGN H D
3172	P24390	146	KTGEA E TITSH L
3173	P24390	160	ALGVYR T LYLF N W

3174	P24394	133	GNLTVH T NVSDTL
3175	P24394	178	FRIYNV T YLEPSL
3176	P24394	307	HWKNCL T KLLPCF
3177	P24394	487	NLTCTE T PLVIAG
3178	P24593	58	GCGCCM T CALAEG
3179	P24593	124	EHEEPT T SEMAEE
3180	P24593	131	SEMAEE T YSPKIF
3181	P24593	172	VGGAEN T AHPRII
3182	P24666	47	RVDSAAT S GYEIG
3183	P24666	79	HVARQI T KEDFAT
3184	P24666	85	TKEDFAT T FDYILC
3185	P24666	109	KSNQVK T CKAKIE
3186	P24821	212	ICDDGF T GEDCSQ
3187	P24821	1667	SEPLEI T LLAPER
3188	P24821	1811	LVTANI T DSEALA
3189	P24821	1973	IQTIFT T IGLLYP
3190	P24864	15	DAKERD T MKEDGG
3191	P24864	36	KRKANV T VFLQDP
3192	P24864	52	MAKIDR T ARDQCG
3193	P24864	91	RVYPNS T CKPRII
3194	P24864	126	MLNKEK T YLRDQH
3195	P24864	165	YKLHRE T FYLAQD
3196	P24864	186	QENVVK T LLQLIG
3197	P24864	217	HQFAYV T DGACSG
3198	P24864	228	SGDEIL T MELMIM
3199	P24864	245	WRLSPL T IIVSWLN
3200	P24864	341	AMVIRE T GSSKLK
3201	P24864	362	DAHNIQ T HRDSL
3202	P24928	850	REGLID T AVKTAE
3203	P24928	1660	SPSYS P TSPSYSP
3204	P24928	1772	SPSYS P TSPNYTP
3205	P24928	1933	SPTYSP T SPKGST
3206	P25205	198	VYKDHQ T ITIQEM
3207	P25205	555	DNLLHG T KKKKEK
3208	P25205	617	SPVTAR T LETIR
3209	P25205	722	EMPQVH T PKTADS
3210	P25311	35	SLTYIY T GLSKHV
3211	P25311	100	EDIFME T LKDIVE
3212	P25311	189	EEECPA T LRKYLK
3213	P25311	261	LHNGNG T YQSWVV
3214	P25398	16	GVMDVN T ALQEV
3215	P25398	24	LQEV L K T ALIHDG
3216	P25713	15	PSGGSC T CADSCK
3217	P25713	28	CEGCKC T SCKKSC
3218	P25788	14	YDLSAS T FSPDGR
3219	P25788	36	AVENS S T AIGIRC
3220	P25788	124	MYVHAY T LYSAVR
3221	P25788	175	ARQAAK T EIEKLQ
3222	P25963	71	PWKQQL T EDGDSF
3223	P25963	146	RDFRGN T PLHLAC
3224	P25963	164	ASVGVL T QSC T TP
3225	P25963	168	VLTQSC T TPHLHS
3226	P25963	169	LTQSC T TPHLHSI
3227	P25963	179	HSILKA T NYNGHT
3228	P25963	185	TNYNGH T CLHLAS
3229	P25963	219	EPCNGR T ALHLAV
3230	P25963	247	ADVNRV T YQGYSP
3231	P25963	257	YSPYQL T WGRPST

3232	P25963	263	TWGRPST TRI QQQL
3233	P25963	296	DTESEF T EFTED
3234	P26358	37	LERDSL T EKECVK
3235	P26358	382	DEPQML T NEKLSI
3236	P26358	533	LINKIE T TVPPSG
3237	P26358	1562	SQGFPD T YRLFNG
3238	P26368	66	RRSKPL T RGAKKE
3239	P26368	208	FRSVDE T TQAMAF
3240	P26368	296	LVKDSAT T GLSKGY
3241	P26368	450	KAMQGL T GRKFAN
3242	P26378	17	QVSN G PT S NTSNG
3243	P26378	46	TTDDSK T NLIVNY
3244	P26378	202	QKPSGATE P ITVK
3245	P26378	206	GATEPI T VKFANN
3246	P26599	215	TVLKII T FTKNNQ
3247	P26599	217	LKII T FTKNNQFQ
3248	P26599	407	GKPIRI T LSKHQN
3249	P26599	427	QEDQGL T KDYGNS
3250	P26640	166	ADLAAV T ALLLPF
3251	P26640	540	ATTRIE T MLGDVA
3252	P26640	1011	YDFPAV T TAQYSF
3253	P26640	1068	PFMPFV T EELFQR
3254	P26641	193	TNRWFL T CINQPQ
3255	P26641	287	AHLPK S T F VLDEF
3256	P26641	335	PEELTQ T FMSCNL
3257	P26641	409	DPGSE T QTLVRE
3258	P26651	26	PSDHGG T ESSPGW
3259	P26651	51	SSPSGV T SRLPGR
3260	P26651	59	RLPGR S TSLVEGR
3261	P26651	95	PSPTS P TATSTTP
3262	P26651	97	PTSPTAT S TTPSR
3263	P26651	106	TPSRYK T ELCRTF
3264	P26651	111	KTELCR T FSESGR
3265	P26651	144	RHPKYK T ELCHKF
3266	P26651	196	LPSGR R TSPPPPG
3267	P26651	238	FSAAPG T PLARRD
3268	P26651	246	LARRDP T PVCCPS
3269	P26651	257	PSCRRAT P ISVWG
3270	P26678	8	EKVQYL T RSAIRR
3271	P27105	110	PPQEIL T KDSVTI
3272	P27105	149	TRL L AQ T TLRNVL
3273	P27105	177	AHNMQ S TLDATD
3274	P27105	182	STLDDAT D AWGIK
3275	P27361	17	GGEPRR T EGVGPG
3276	P27361	43	DVGPRY T QLQYIG
3277	P27361	66	YDHVRK T RVAIKK
3278	P27361	80	SPFEHQ T YCQRTL
3279	P27361	85	QTYCQR T LREIQI
3280	P27361	127	VQDLME T DLYKLL
3281	P27361	176	SNLLIN T TCDLKI
3282	P27361	223	LNSKGY T KSIDIW
3283	P27361	312	LLDRML T FNPNKR
3284	P27361	320	NPNKR I TVEEALA
3285	P27361	337	EQYYDP T DEPVAE
3286	P27361	347	VAEEP F T F AMELD
3287	P27695	28	EAKKSK T AAKND
3288	P27695	53	DPPDQK T SPSGKP
3289	P27695	97	ILCLQ E T K CSENK

3290	P27695	268	YAYTFW TY MMNAR
3291	P27707	98	WSFTFQ TY ACLSR
3292	P27707	150	SECMNE TE WTIYQ
3293	P27707	184	LQATPE TC LHRIY
3294	P27707	235	QEVPI LTL DVNED
3295	P27708	313	DWAPLF TN ANDGS
3296	P27708	628	DPLGI HT GESIVV
3297	P27708	656	QTAIKV TQ HLGIV
3298	P27708	723	ELRNSV TG GTAAF
3299	P27708	905	AVKQID TV AAEWP
3300	P27708	924	YLTYWG TT HDLTF
3301	P27708	1080	ARQFCQ TV GYPV
3302	P27708	1772	FSKAHW TP FEGQK
3303	P27708	2069	IREELG TV NGMTI
3304	P27708	2074	GTVNGM TI TMVGD
3305	P27708	2076	VNGMT ITM VGDLK
3306	P27708	2114	SLRMP P TVRAFVA
3307	P27815	82	RPGLRT TR MSWPS
3308	P27815	234	QQLARE TL EELDW
3309	P27815	392	AGGRSL TC IMYMI
3310	P27815	551	DMSKHM TLL ADLK
3311	P27816	82	TPSSKP TLL ANGG
3312	P27816	722	KAKTQ P TSLPKQP
3313	P27816	900	MPSRP S TTPFIDK
3314	P27816	1120	PEAGAP TS ASGLN
3315	P28072	36	EVSTGT TI MAVQF
3316	P28072	56	ADSRT TTG SYIAN
3317	P28072	94	AVADAV TY QLGFH
3318	P28072	182	TYREGM TK EECLQ
3319	P28223	311	SYTGR RTM QSI
3320	P28223	381	VNPLV YTL FNKTY
3321	P28223	386	YTLFN KTY RSAFS
3322	P28223	413	QLILVN TI PALAY
3323	P28370	476	EPGPP YT DEHIV
3324	P28370	624	RVFRL ITD NTVEE
3325	P28370	842	DGAEP LTP EETEE
3326	P28370	1018	FQRRCN TL ISLIE
3327	P28749	184	WTLFV YTK GNFRM
3328	P28749	346	TPLGKL TA QANVE
3329	P28749	391	TPVASA TSQ SVSRL
3330	P28749	443	TFCQH YTQ STDEQ
3331	P28749	446	QHYTQ ST DEQPGS
3332	P28749	627	RVKEVR TD SGSLR
3333	P28749	652	ERYSS P TAGSAKR
3334	P28749	701	SILPG QTL LTMAT
3335	P28749	714	APVTGT TG HKVTI
3336	P28749	766	GASPK QTN LTKAQ
3337	P28749	827	WTCFE F TLVHCPD
3338	P28749	1028	RQGEQ RTK KRVIA
3339	P29083	87	AADGK TR HNYYF
3340	P29083	149	QLFDPM TG TFRCT
3341	P29083	155	TGTFR CTF CHTEV
3342	P29083	332	LIHEK K TSSAMAG
3343	P29144	676	ATWAEV TV CSCSS
3344	P29144	940	KKSSN LTL PPKYN
3345	P29144	1228	MKLLGW TH CASFT
3346	P29144	1234	THCAS F TENWLPI
3347	P29317	395	PHGLTR TS VTVSD

3348	P29317	526	KVHEFQ TL SPEGS
3349	P29317	614	IHPSCV TR QKVIG
3350	P29317	898	SIRLP ST SGSEGV
3351	P29350	92	LQDRDG TI IHLKY
3352	P29350	351	RVIVMT TR EVEKG
3353	P29350	475	LMENIS TK GLDCD
3354	P29350	555	HAKASR TS SKHKE
3355	P29474	60	PPSSPL TQ PPEGP
3356	P29474	162	EVAATG TY QLRES
3357	P29474	424	VDHHA AT ASFMKH
3358	P29474	709	FQAACE TF CVGED
3359	P29474	854	PRLPPC TL RQALT
3360	P29474	860	TLRQAL TF FLDIT
3361	P29474	978	HYGVC ST WLSQLK
3362	P29474	1043	LQPTPM TL VFGCR
3363	P29474	1086	EPDNPK TY VQDIL
3364	P29474	1118	FVCGDV TM ATNVL
3365	P29474	1133	VQRIL ATE GDMEL
3366	P29474	1170	LRTQEV TS RIRTQ
3367	P29508	35	YSPIS IT SALGMV
3368	P29508	49	LGAKDN TA QQIKK
3369	P29508	301	LKDTLR TM GMDI
3370	P29508	357	GFGSS PT STNEEF
3371	P29590	75	LLPCLH TL CSGCL
3372	P29590	130	DAQAVC TR CKESA
3373	P29590	181	REFLDG TR KTNNI
3374	P29590	184	LDGTRK TN NIFCS
3375	P29590	198	PNHRT PT LTSIYC
3376	P29590	328	VLQRIR TG SALVQ
3377	P29590	471	GEDVS NTT TAQKR
3378	P29590	472	EDVS NTT TAQKRK
3379	P29590	473	DVS NTTT TAQKRKC
3380	P29590	482	KRKCSQ TQ CPRKV
3381	P29590	831	RYLSLQ TT TLPPA
3382	P29590	833	LSLQ TTT TLPPAQP
3383	P29597	573	ARASPR TL NLSQL
3384	P29597	668	MSQVSH TH LAFVH
3385	P29597	1096	TLYELL TH CDSSQ
3386	P29597	1120	IAQGQM TV LRLTE
3387	P29692	125	SPGHR ATA PQTQH
3388	P29692	129	RATAPQ TQ HVSPM
3389	P29692	147	PAKKPA TP AEDDE
3390	P29692	256	EDDKVG TD LLEEE
3391	P29966	120	AEPGS PTAA EGEA
3392	P29966	133	ASAAS STSS PKAE
3393	P29966	143	KAEDG ATP SPSNE
3394	P29966	150	PSPSNE TP PKKKK
3395	P30040	43	GALPLD TV TFYKV
3396	P30040	62	VLVKFD TQ YPYGE
3397	P30040	133	ENPVPY TG AVKVG
3398	P30040	249	KSLN ILTA FQKKG
3399	P30260	67	LKGHS CTTP QCKY
3400	P30260	68	KGHS CTTP QCKYL
3401	P30260	128	GHVYCK TD RLAKG
3402	P30260	185	CLPNS CTTQ VPNH
3403	P30260	289	GILPLE TP SPGDG
3404	P30260	302	SYLQNY TN TPPVI
3405	P30260	327	VARIGQ TG TKSVF

3406	P30260	383	RSSRLFTSDSSTT
3407	P30260	409	KIPNRKTKSKTNK
3408	P30260	419	TNKGGITQPNIND
3409	P30260	753	YKKLGQTHLALMN
3410	P30260	814	MTDADDTQLHAAE
3411	P30291	217	SSLFMDTEKSGKR
3412	P30291	257	CRRRKRTYWNDSC
3413	P30291	278	YELEDETRPAKRI
3414	P30291	285	RPAKRIITITESNM
3415	P30291	287	AKRITITESNMKS
3416	P30291	296	NMKSRYTTEFHLE
3417	P30291	437	NIFISRITSIPNAA
3418	P30291	468	GDLGHVTRISSPQ
3419	P30291	493	VLQENYTHLPKAD
3420	P30291	543	VLSQEFTELLKVM
3421	P30291	620	FTDRMATRSTTQS
3422	P30291	623	RMATRSTTQSNRT
3423	P30304	46	SPVTNLVTMDQL
3424	P30304	48	VTNLTVTMDQLQG
3425	P30304	80	MGSSSESTDSGFCL
3426	P30304	202	NFIPLFTPQSPVT
3427	P30304	208	TPQSPVTATLSDE
3428	P30304	210	QSPVTATLSDEDD
3429	P30304	242	CMASLWTAPLVMR
3430	P30304	249	APLVMRTTNLDNR
3431	P30304	250	PLVMRTTNLDNRC
3432	P30304	288	ESPPGSTKRRKSM
3433	P30304	325	ASSPKGTIENILD
3434	P30304	420	KKPIVPDQKRV
3435	P30305	76	PKSQVGTLLFRSR
3436	P30305	265	TPAEGDTEEDDGF
3437	P30305	404	KAFLQTVDGKHQ
3438	P30305	419	KYISPETMVALLT
3439	P30307	37	LLLERDTSFTVCP
3440	P30307	40	ERDTSFTVCPDVP
3441	P30307	83	LSSGEITATQLTT
3442	P30307	85	SGEITATQLTTSA
3443	P30307	88	ITATQLTTSADLD
3444	P30307	89	TATQLTTSADLDE
3445	P30307	261	GLCLKKTVSLCDI
3446	P30307	268	VSLCDITITQMLE
3447	P30307	270	LCDITITQMLEED
3448	P30307	309	KYVNPETVAALLS
3449	P30307	367	PIVPLDTQKRII
3450	P30307	442	HHQDHKTELLRCR
3451	P30411	37	VTLQGPTLNGTFA
3452	P30411	72	VLFVLATLENIFV
3453	P30411	162	YLALVKTMSMGRM
3454	P30411	269	QTERRATVVLV
3455	P30519	41	ELLKEGTKEAHDR
3456	P30519	51	HDRAENTQFVKDF
3457	P30519	180	ALKLPSTGEGTQF
3458	P30519	248	STLARETLEDGFP
3459	P30530	125	VFLGHQTFVSQPG
3460	P30530	488	GEVFEP TVERGEL
3461	P30530	738	VWSFGVTMWEIAT
3462	P30530	844	GGADPPTQDPKD
3463	P30566	204	VKGTGTQASFLQ

3464	P30566	330	VQWFERTLDDSAN
3465	P30566	347	LAEAFLTADTILN
3466	P30566	382	ELPFMATENIIMA
3467	P30793	94	RQGLLKTPWRAAS
3468	P30793	112	TKGYQETISDVLN
3469	P30793	209	GVVVEATHMCMVM
3470	P30793	229	SKTVTSTMLGVFR
3471	P30990	43	FLTNMHTSKISKA
3472	P30990	57	VPSWKMTLLNVCS
3473	P30990	103	SLEAMLTIYQLHK
3474	P30990	129	QEDILD TGNDKNG
3475	P31040	96	VTKLFP TRSHTVA
3476	P31040	143	DAIHYMTEQAPAA
3477	P31040	163	GMPFSRTEGKIY
3478	P31040	634	SYVDVG TGKVTLE
3479	P31151	21	DMFHKYTRRDDKI
3480	P31151	34	EKPSLLTMMKENF
3481	P31151	52	ACDKKG TNYLADV
3482	P31151	84	LLGDIA TDYHKQS
3483	P31269	61	SFQSKATVFGASW
3484	P31269	149	DCPTLD THTLSLT
3485	P31269	155	THTLSL TDYACGS
3486	P31269	218	PYTKHQ TLELEKE
3487	P31327	54	IVLEDG TKMKGYS
3488	P31327	493	ITPQFV TEVIKAE
3489	P31327	544	VESIMATE DRQLF
3490	P31327	1270	FPFVSK TLGVDFI
3491	P31645	66	RHSIPAT TTTTLVA
3492	P31645	67	HSIPAT TTTTLVAE
3493	P31645	192	YLISSF TDQLPWT
3494	P31645	221	EDNITW TLHSTSP
3495	P31645	225	TWTLHST SPAEEF
3496	P31645	233	PAEEFY TRHVLQI
3497	P31645	284	GKVWVW TATFPYI
3498	P31645	371	SVVNCMT SFVSGF
3499	P31645	409	PSLLFI TYAEAIA
3500	P31645	421	ANMPAST FFAIIF
3501	P31645	503	TGPAVL TVALIEA
3502	P31645	519	SWFYGI TQFCRDV
3503	P31751	21	RGEYIK TWRPRYF
3504	P31751	132	SPSDSST TEEMEV
3505	P31751	133	PSDSST TEEMEVA
3506	P31751	174	LVREKAT GRYYAM
3507	P31751	197	KDEVAH TVTESRV
3508	P31751	248	SRERVF TEERARF
3509	P31751	292	DGHIKI TDFGLCK
3510	P31751	306	GISDGAT MKTFCG
3511	P31751	313	MKTFCG TPEYLAP
3512	P31751	372	EIRFPRTLSPEAK
3513	P31751	431	PFKPQV TSEVDTR
3514	P31751	468	LELDQR THFPQFS
3515	P31948	143	LESDPR TRTLLSD
3516	P31948	145	SDPRTR TLLSDPT
3517	P31948	332	SLAEHR TPDLVKK
3518	P31948	405	NRAACY TKLLEFQ
3519	P31949	8	AKISSP TETERCI
3520	P31949	33	KDGYNY TLSKTEF
3521	P31949	37	NYTLSK TEFLSFM

3522	P31949	45	FLSFMN T ELAAFT
3523	P31949	51	TELA AFT TKNQKDP
3524	P31949	69	MMKKLD T NSDGQL
3525	P31995	164	KPLVKV T FFQNGK
3526	P31995	197	SGDYH C TGNIGYT
3527	P31995	230	IIVAVV T GIAVAA
3528	P31995	257	RISAN S TDPVKAA
3529	P32004	492	DLQAN D TGRYFCL
3530	P32004	507	NDQNNV T IMANLK
3531	P32004	734	TTNMV I TKPLRW
3532	P32004	1026	FGNIS A TAGENYS
3533	P33121	90	YFYDDV T TLYEGF
3534	P33121	144	IQKG F K T APDQFI
3535	P33121	461	YEGYG Q T ECTAGC
3536	P33121	464	YGQ T E C TAGCCLT
3537	P33241	196	PPLS P T T KLIDRT
3538	P33241	280	AQSA A K T PSCKDI
3539	P33241	305	QKGG S K S STIKS
3540	P33241	323	RYKFV A T G HGKYE
3541	P33316	16	LCYH F L T SLLRSA
3542	P33316	145	YSAYD Y T IPPM EK
3543	P33316	156	EKA V V K T DIQIAL
3544	P33316	239	VQAL D T ERGSGG
3545	P33764	15	VAA I V C T FQEYAG
3546	P33764	44	LQK E L A T W T P T E F
3547	P33764	48	L A T W T P T E F R E C D
3548	P33764	64	FMSV L D T NKDCEV
3549	P33993	168	TVRG I V T R V SEVK
3550	P33993	296	QGL L S E T YLEAHR
3551	P33993	415	SSGV L T AAVLRD
3552	P33993	582	SLAD Y I T AAYVEM
3553	P34059	200	FPIN L K T GEANLT
3554	P34059	248	SKP F L G T SQRGRY
3555	P34059	286	NTF V F F T SDNGAA
3556	P34059	469	EAL S R I T SVVQQH
3557	P34096	16	LLLL L T LLGLGL
3558	P34096	87	IRS I C S T TNIQCK
3559	P34096	112	VTDC R D T GSSRAP
3560	P34096	128	YRA I A S T RRVVIA
3561	P34741	69	VE S PE L T TSRPLP
3562	P34741	70	ES P EL T T SRPLPK
3563	P34741	101	NK I PA Q T K S PEET
3564	P34741	143	DSL F K R T EVLAAV
3565	P34896	94	FID E L E T LCQKRA
3566	P34896	178	YKVN P D T GYINYD
3567	P34896	321	AL K Q A M T LEFKVY
3568	P34896	343	AL S E A L T ELGYKI
3569	P34947	10	EN I V A N T VLLKAR
3570	P34947	48	CED L R R T IDRDYC
3571	P34947	73	FR Q F C E T RPGLEC
3572	P34947	182	LER Q P V T KNTFRQ
3573	P34947	185	QP V T K N T FRQYRV
3574	P34947	208	AC Q V R A T GKMYAC
3575	P34947	255	LAY A Y E T KDALCL
3576	P34947	307	DLH R E N T VYRDLK
3577	P34947	348	IR G R V G T VGYMAP
3578	P34947	404	DRR V L E T EEVYSH
3579	P34947	504	FYS K F S T GSVSIP

3580	P34947	518	QNEMIE TE CFKEL
3581	P34972	116	IGSVT MT FTASVG
3582	P34972	208	FSGIIY TY GHVLW
3583	P34972	338	APRSSV TE TEADG
3584	P34972	347	EADGKI TP WPDSR
3585	P34998	80	GVRynt TN NGYRE
3586	P34998	221	GWCRlV TA AYNYF
3587	P34998	244	EGCYLH TA IVLTY
3588	P34998	249	HTAIVL TY STDRL
3589	P35221	34	LLEPLV TQ VTTLV
3590	P35221	372	SAIDKM TK KTRDL
3591	P35221	506	DAVDDI TS IDDFL
3592	P35221	739	KGPLKN TS DVISA
3593	P35222	75	GFSQS FTQ EQVAD
3594	P35222	150	DDAEL ATRA IPeL
3595	P35222	205	VRTMQ NTND VeTA
3596	P35222	214	VeTAR CTAG TLHN
3597	P35222	297	VKFLAI TTD CLQI
3598	P35222	298	KFLAI TTD CLQIL
3599	P35222	371	ALGLHL TD PSQRL
3600	P35222	418	DDINV VTC AAGIL
3601	P35222	461	GDREDI TE PAICA
3602	P35222	551	QDTQR RTSM GGTQ
3603	P35222	637	IEAEG ATAP LTel
3604	P35222	679	RLSVEL TS SLFRT
3605	P35236	15	SRAQPL TL SLGAA
3606	P35236	23	SLGAAM TQ PPPEK
3607	P35236	71	NTPREV TL HFLRT
3608	P35236	83	TAGHPL TR WALQR
3609	P35236	168	EKVYI ATQ GMPN
3610	P35236	175	QGMPN TV SDFWE
3611	P35236	195	SLIVML TQ LREGK
3612	P35236	210	CVHYWP TEE ETYG
3613	P35236	232	KECPEY TVR QLTI
3614	P35236	280	VEESP ETA AHPGP
3615	P35236	304	TGCFI ATR IGCQQ
3616	P35236	336	RGGMI QTAE QYQF
3617	P35269	22	VRVPK NTTK KYNI
3618	P35269	23	RVPK NTTK KYNIM
3619	P35269	41	DKVNF ATWN QARL
3620	P35269	122	GGVT ENTSY YIFT
3621	P35269	147	HNWYN FTPL ARHR
3622	P35269	154	PLARH RTL AEeA
3623	P35269	397	SAEGGS TS STLRA
3624	P35269	400	GGST SSL RAAAS
3625	P35269	445	QPPSG KTTP NSGD
3626	P35269	479	LLKKF QTK KTGLS
3627	P35269	482	KFQ TKTGL SSEQ
3628	P35269	489	GLSSEQ TVN VLAQ
3629	P35270	129	YWALN LTSM LCLT
3630	P35270	151	SPGLN RTVV NISS
3631	P35270	203	APGPLD TD MQQLA
3632	P35270	212	QQLaRE TS VDpDM
3633	P35318	54	MSSSY PTGL ADVK
3634	P35318	66	KAGPA QTL IRPQD
3635	P35318	114	FGCRFG CTV QKL
3636	P35318	116	CRFG CTV QKLah
3637	P35367	20	MCEGN KTT MA SPQ

3638	P35367	36	LVVVLSTICLVTV
3639	P35367	41	STICLVTVGLNLL
3640	P35367	60	SERKLHTVGNLYI
3641	P35367	147	KTRASATILGAWF
3642	P35367	172	NHFMQQTSVRRED
3643	P35367	182	REDKCE T DFYDVT
3644	P35367	188	TDFYDV T WFKVMT
3645	P35367	340	DEQGLNTHGASEI
3646	P35367	365	SRTDSD T TTETAP
3647	P35367	382	LRSGSNTGLDYIK
3648	P35367	453	EHLHMF T IWLGYI
3649	P35398	60	SRGISV T KKTHTS
3650	P35398	63	ISVT T KKTHTSQIE
3651	P35398	106	SQQSNATYSCPRQ
3652	P35398	120	NCLIDR T SRNRCQ
3653	P35398	208	NYIDGH T PEGSKA
3654	P35398	248	EPICDY T PASGFF
3655	P35398	260	FPYCSF T NGETSP
3656	P35398	264	SFTNGET S PTVSM
3657	P35398	267	NGETSPT V SMAEL
3658	P35398	302	QQITWQ T FLQEEI
3659	P35398	468	REDGIL T KCLICKV
3660	P35398	485	ALCGRH T EKLMAF
3661	P35408	64	VCGLAV T DLLGTL
3662	P35408	175	WCFIDW T TNVTAH
3663	P35408	176	CFIDWT T NVTAHA
3664	P35408	225	RRTSLG T EQHHAA
3665	P35520	13	QAEVGPTGCPHRS
3666	P35520	318	PTVLDR T VVDKWF
3667	P35520	434	TITCGH T IEILRE
3668	P35520	493	FKQIRL T DTLGRL
3669	P35555	468	NGRCIP T PGSCRC
3670	P35555	1460	NICVFG T CHNLPG
3671	P35555	1572	LGKAWG T PCEMCP
3672	P35555	1950	NGQCIN T VGSFQC
3673	P35558	80	NCWLAL T DPRDVA
3674	P35558	271	MLILGI T NPEGEK
3675	P35558	339	FGVAPG T SVKTNP
3676	P35558	382	PLASGV T ITSWKN
3677	P35568	231	VGRSAV T GPGEFW
3678	P35568	335	SSDGEG T MSRPAS
3679	P35568	351	SPVSPS T NRTHAH
3680	P35568	793	QHLRLS T SSGRLL
3681	P35611	11	SRAAVV T SPPPTT
3682	P35611	17	TSPPPT T APHKER
3683	P35611	222	VNQAGF T LHSAIY
3684	P35611	242	CVVHIH T PAGAAV
3685	P35611	391	DNLGYR T GYPYRY
3686	P35611	417	EVPASV T GYSFAS
3687	P35611	494	LFVPLN T NPKEVQ
3688	P35611	559	HVIVST T GPNPFT
3689	P35611	565	TGPNPF T TLTRE
3690	P35611	568	NPFTTL T DRELEE
3691	P35611	640	AATFKP T LPDLSP
3692	P35611	724	KKKKFR T PSFLKK
3693	P35612	181	VSCSEV T ASSLIK
3694	P35612	206	SCFPVD T TGFCLH
3695	P35612	207	CFPVD T TGFCLHS

3696	P35612	233	HLHTPAT A AVSAM
3697	P35612	351	VQWAGS T FGPMQK
3698	P35612	460	GSPRPK T TWMKAD
3699	P35612	552	KDDSE T VPNPFS
3700	P35612	642	TTEPET T QPEGVV
3701	P35612	657	GREEEQ T AEEILS
3702	P35612	679	ADTDVD T SKDKTE
3703	P35612	684	DTSKDK T ESVTSG
3704	P35637	19	SYGAYP T QPGQGY
3705	P35637	45	SGYSQS T DTSGYG
3706	P35637	47	YSQSTD T SGYGQS
3707	P35637	338	KLKGEAT V SFDDP
3708	P35659	15	EGEGTP T QPA SEK
3709	P35659	67	KKVERL T MQVSSL
3710	P35659	79	LQREP F TIAQGKG
3711	P35659	103	FLSKKK T DELRNL
3712	P35659	119	LYNRPG T VSSLKK
3713	P35659	220	ARKAKR T KCPEIL
3714	P35659	259	EEPPKK T AKREKP
3715	P35659	270	KPKQKAT S SKSKS
3716	P35659	321	KLKKPP T DEELKE
3717	P35659	328	DEELKE T IKKLLA
3718	P35659	356	VYENYP T YDLTER
3719	P35659	360	YPTYDL T ERKDFI
3720	P35900	23	QAPVV S TVGMQRL
3721	P35900	32	MQRLGT T PSVYGG
3722	P35900	273	VLQQQ V TVNTEEL
3723	P35900	397	ERDIKK T RKIKT V
3724	P35916	209	YLQCET T WGDQDF
3725	P35916	289	RSQQ T HTELSSIL
3726	P35916	618	NVHLFAT T PLAASL
3727	P35916	1132	QRLRDG T MRAP E
3728	P35968	513	IEGKNK T VSTLVI
3729	P35968	577	CTADR S TFENLTW
3730	P35968	967	RRLDS I TSSQSSA
3731	P35968	1238	RPVSVK T FEDIPL
3732	P36507	13	PVLPAL T INPTIA
3733	P36507	17	ALTIN P TIAEGPS
3734	P36507	25	AEGPS P TSEGASE
3735	P36507	59	RLEAFL T QAKVG
3736	P36507	87	GNGGV V TKVQHRP
3737	P36507	230	ANSFVG T RSYMAP
3738	P36507	242	PERLQ G THYSVQS
3739	P36507	339	LPNGV F TPDFQEF
3740	P36507	364	ADLKML T NHTFIK
3741	P36507	367	KMLTN H TFIKRSE
3742	P36507	386	AGWLCK T LRLNQP
3743	P36578	23	SSGKN V TLPVFK
3744	P36578	62	ELAGHQ T SAESWG
3745	P36578	107	MFAPTK T WRRWHR
3746	P36578	228	RNIPGI T LLNVSK
3747	P36871	9	KIVTVK T QAYQDQ
3748	P36871	115	IGGIIL T ASHNPG
3749	P36871	267	HPDPNL T YAADLV
3750	P36871	275	AADLV E TMKSGEH
3751	P36871	326	IPYFQ Q TGVRGFA
3752	P36871	337	FARSM P TSGALDR
3753	P36871	348	DRVASAT K IALYE

3754	P36871	355	KIALYET T PTGWKF
3755	P36871	357	ALYETP T GWKFFG
3756	P36871	381	GEESFG T GSDHIR
3757	P36871	404	WLSILAT R KQSVE
3758	P36871	495	GLRLIF T DGSRIV
3759	P36888	252	TIDLNQ T PQTTLF
3760	P36888	255	LNQTPQ T TLPLF
3761	P36888	325	SVARND T GYTCS
3762	P36888	526	LGTSCET I LLNSP
3763	P36896	93	SEDLRN T HCCYTD
3764	P36896	325	HMEIVG T QKPGI
3765	P36896	366	HDAVTD T IDIANP
3766	P36896	377	PNQRVG T KRYMAP
3767	P36955	76	SSTSPT T NVLLSP
3768	P36955	121	SPDIHG T YKELLD
3769	P36955	372	EDGAGT T PSPGLQ
3770	P36955	383	LQPAHL T FPLDYH
3771	P37802	36	LIQWIT T QCRKDV
3772	P37802	60	NWLKDG T VLCELI
3773	P37802	84	KKIQAS T MAFKQM
3774	P37802	128	MACVQR T LMNLGG
3775	P37840	22	VAAAEK T KQGVAE
3776	P37840	54	VVHGVAT V AEKTK
3777	P37840	75	AVVTGV T AVAQKT
3778	P37840	81	TAVAQK T VEGAGS
3779	P38117	27	RVKPDR T GVVTDG
3780	P38117	31	DRTGVV T DGVKHS
3781	P38117	234	EDPPQR T AGVKVE
3782	P38117	242	GVKVET T EDLVAK
3783	P38159	19	GGLNTE T NEKALE
3784	P38159	85	IKVEQAT K PSFES
3785	P38159	216	RDDGYST K DSYSS
3786	P38159	231	YPSSRD T RDYAPP
3787	P38398	212	QITPQG T RDEISL
3788	P38398	278	EPCGTN T HASSLQ
3789	P38398	336	DRRTPS T EKKVDL
3790	P38398	367	SENPRD T EDVPWI
3791	P38398	557	SGHENK T KGDSIQ
3792	P38398	1246	QSTRHS T VATECL
3793	P38398	1256	ECLSKN T EEENLLS
3794	P38398	1289	HHLSEET K CSASL
3795	P38398	1619	SPAAAH T TDTAGY
3796	P38398	1620	PAAAH T TDTAGYN
3797	P38398	1681	TLTNLI T EETTHV
3798	P38398	1700	EFVCERT L KYFLG
3799	P38432	157	KAVTDQ T VSKKNK
3800	P38432	172	NKATCG T VGDDNE
3801	P38432	265	DGPSKV T LEARN
3802	P38432	431	CVVNR S TDNQRQQ
3803	P38646	62	VGIDL G TNSCVA
3804	P38646	111	AKRQAV T NPNTF
3805	P38646	249	YDLGGG T FDISIL
3806	P38646	347	HLNMKL T RAQFEG
3807	P38919	39	EVDVTP T FDTMGL
3808	P38919	107	DIQVRE T QALILA
3809	P38919	278	YDTLT I TQAVIFC
3810	P38919	398	IEQYY S TQIDEMP
3811	P38935	84	LPSNS F TSGDIVG

3812	P38935	144	KLANDV T YRRLKK
3813	P38935	493	PLLLVD T AGCGLF
3814	P38935	631	TLVEYF T QHGEVR
3815	P38936	55	WNFDFV T ETPLEG
3816	P38936	57	FDFVT T ETPLEGDF
3817	P38936	97	GGRRPG T SPALLQ
3818	P38936	105	PALLQG T AEDDHV
3819	P38936	118	DLSSL SCT LVPRSG
3820	P38936	148	RRQTS M TDFYHSK
3821	P39748	61	NEEGET T SHLMGM
3822	P39748	177	KVYAA A TEDMDCL
3823	P39748	184	EDMDCL T FGSPVL
3824	P39748	347	DDFFKV T GSLSSA
3825	P40189	18	LFIFLT T ESTGEL
3826	P40189	45	QLHSN F TAVCVLK
3827	P40189	80	IPKEQY T IINRTA
3828	P40189	555	GFIRNY T IFYRTI
3829	P40429	64	LRKRM N TNPSRGP
3830	P40429	132	VVRLKP T RKFAYL
3831	P40429	153	WKYQAV T ATLEEK
3832	P40429	155	YQAVT A TLEEKRK
3833	P40763	54	SKESH A TLVFHNL
3834	P40763	133	GQANH P TAAVVTE
3835	P40763	663	YKIMD A TNILVSP
3836	P40763	756	GQFES L TFDMELT
3837	P40925	10	PIRVLV T GAAGQI
3838	P40925	44	LVLLD I TPMMGVL
3839	P40925	139	ANTN CL TASKSAP
3840	P40925	225	LKGEFV T TVQQRG
3841	P40926	73	DLSHI E TKAAVKG
3842	P40926	109	PRKPG M TRDDLFN
3843	P40926	204	GGHAG K TIIPPLIS
3844	P40926	283	FVK SQ ETECTYFS
3845	P41091	26	LTTLDV T KLTPLS
3846	P41091	78	ELERN I TIKLGYA
3847	P41091	115	TPDEF P TDIPGTK
3848	P41091	369	ALPEIF T ELEISY
3849	P41181	126	ALSN ST TAGQAVT
3850	P41181	138	TVELFL TL QLVLC
3851	P41181	159	RGEN P GTPALSIG
3852	P41181	244	KGLEP D TDWEERE
3853	P41182	92	LLDFMY T SRLNLR
3854	P41182	246	GEYSR P TLEVSPN
3855	P41182	476	MHPP K CTSCGSQS
3856	P41182	569	SHKTV H TGEKPYR
3857	P41212	142	PGNSI H TQPEVIL
3858	P41212	188	SRSPIT T NHRPSP
3859	P41212	390	KNRTN M TYEKMSR
3860	P41212	431	EIMSGR T DRLEHL
3861	P41227	73	VPHGH I TSLAVKR
3862	P41227	125	LHLYSN T LNFAQIS
3863	P41227	218	LSEV S ETTESTDV
3864	P41227	219	SEV S ETTESTDVK
3865	P41235	24	ALDPAY T TLEFEN
3866	P41235	35	ENVQVL T MGNDS
3867	P41235	40	LTMGN D TS
3868	P41235	46	TSPSEG T NLNAPN
3869	P41235	68	ICGDR A TGKHYGA

3870	P41235	233	HLLLGAT TK RSMVF
3871	P41235	343	LLLLLP TL QSITW
3872	P41235	348	PTLQSI TW QMIEQ
3873	P41235	400	MQEHMG TN VIVAN
3874	P41235	407	NVIVAN TM PTHLS
3875	P41235	410	VANTMP TH LSNGQ
3876	P41235	455	LPGAVAT IV KPLS
3877	P41240	23	KYNFHG TA EQDLP
3878	P41240	75	EGVKAG TK LSLMP
3879	P41240	101	LLYPPE TG LFLVR
3880	P41240	157	QLVEHY TS DADGL
3881	P41279	48	YEPSLM TM CQDSN
3882	P41279	94	ANHISN TA KHFG
3883	P41279	115	LLNMVI TP QNGRY
3884	P41279	135	LIPWKL TY RNIGS
3885	P41279	202	AVLWGE TV HLMFE
3886	P41279	234	FEIIWV TK HVLKG
3887	P41279	278	GLSVQM TE DVYFP
3888	P41279	306	LCRGHS TK ADIYS
3889	P41279	316	IYSLGAT LI HMQT
3890	P41279	322	TLIHMQ TG TPPWV
3891	P41279	324	IHMQTG TP PWVKR
3892	P41279	432	SSCTGS TE ESEML
3893	P41597	77	KKLKCL TD IYLLN
3894	P41597	155	LKARTV TF GVVTS
3895	P41597	267	IVILLN TF QEFFG
3896	P41597	290	DQATQV TE TLGMT
3897	P41743	13	SSTMSH TV AGGGS
3898	P41743	39	RGDIMI TH FPSI
3899	P41743	67	DNEQLF TM KWIDE
3900	P41743	79	EEGDPCT TV SSQLE
3901	P41743	142	YCANGH TF QAKRF
3902	P41743	158	AHCAIC TD RIWGL
3903	P41743	215	HSDHAQ TV IPYNP
3904	P41743	276	LVRLKK TD RIYAM
3905	P41743	395	EGHIKL TD YGMCK
3906	P41743	416	TSTFCG TP NYIAP
3907	P41743	466	DNPDQN TE DYLFQ
3908	P41743	511	LGCHPQ TG FADIQ
3909	P42229	158	RLVTQD TE NELKK
3910	P42229	168	LKKLQQ TQ EYFII
3911	P42229	526	QSNRGL TK ENLVF
3912	P42229	684	VFSKYY TP VLAKA
3913	P42285	314	YTDYRP TP LQHYI
3914	P42285	368	KGRKGG TK GPSNV
3915	P42285	817	NDPNLE TV YTLCE
3916	P42285	1028	KFAEGIT TK IKRDI
3917	P42338	345	KGNKLN TE ETVKV
3918	P42338	454	FKGQLR TG DIILH
3919	P42338	744	GKEAMH TC LKQSA
3920	P42338	902	RAIEEF TL SCAGY
3921	P42345	15	ATTAAT TS SNVSV
3922	P42345	49	ELQHYV TM ELREM
3923	P42345	408	FRPSAF TD TQYLQ
3924	P42345	665	LLVVGIT TD PDPI
3925	P42345	1138	RKAALE TV DRLTE
3926	P42345	1149	TESLDF TD YASRI
3927	P42345	1469	YDKKMD TN KDDPE

3928	P42345	1540	CMIPRD TH DGAFY
3929	P42345	1830	NITNAT TA ATTAA
3930	P42345	1833	NATTAAT TA ATAT
3931	P42345	1837	AATTAAT TA TTTAS
3932	P42345	1983	TVASKS TTT ARHN
3933	P42574	62	HKSTGM TS SRSGTD
3934	P42574	130	EGIIFG TNG PVDL
3935	P42574	140	VDLKKI TN FFRGD
3936	P42574	237	EFMHIL TR VNRKV
3937	P42680	21	SQQKKK TS SPLNYK
3938	P42680	126	YHPKFW TD GSYQC
3939	P42680	306	YHIKET TT SPKKY
3940	P42680	307	HIKET TT SPKKYY
3941	P42684	68	GFEGDK TG GSSPE
3942	P42684	461	ESLAYN TF SIKSD
3943	P42684	664	KKRNAP TP PKRSS
3944	P42684	704	ADGFSF TP PAQQEA
3945	P42768	111	LVYSTP TP FFHTF
3946	P42768	164	QLPPPP TP ANEER
3947	P42768	375	PPPPPA TG RSGPL
3948	P42768	447	GIQLNK TP GAPES
3949	P42771	18	SADWLAT AA AARGR
3950	P42771	79	ADPATL TR PVHDA
3951	P42771	93	REGFLD TL VVLHR
3952	P42771	137	RAAAGG TR GSNHA
3953	P42858	1866	RHSLSS TK LLSPQ
3954	P42858	2172	EAAREV TL ARVSG
3955	P42858	2179	LARVSG TV QQLPA
3956	P42858	2333	LSPERR TN TPKAI
3957	P43220	175	FRHLHC TR NYIHL
3958	P43220	355	LAKSTL TL IPLLG
3959	P43220	378	DEHARG TL RFIKL
3960	P43220	440	KPLKC PT SSLSSG
3961	P43243	239	DSFFGE TS HNYHK
3962	P43243	349	FMLQQS TN PAPGI
3963	P43243	679	SSVGDE TD LANLG
3964	P43243	819	EEVAKN TH CSSLP
3965	P43268	273	AYDSDV TG CASMY
3966	P43268	282	ASMYLH TE GFSGP
3967	P43268	355	ALLDDP TN AHFIA
3968	P43268	453	PVSEED TV PLSHL
3969	P43351	297	PPAPPV TH STPVT
3970	P43351	318	DFLAGV TQ ELIKT
3971	P43351	324	TQELIK TL EDNSE
3972	P43351	357	PAQTS DT LALNNQ
3973	P43403	68	ERQLNG TY AIAGG
3974	P43403	155	VEKLIAT TA HERM
3975	P43403	231	EGTKFD TL WQLVE
3976	P43403	380	GTEKAD TE EMMRE
3977	P43405	21	FFFGNI TR EEAED
3978	P43405	65	RKAHHY TI ERELN
3979	P43405	73	ERELNG TY AIAGG
3980	P43405	81	AIAGGR TH ASPAD
3981	P43405	117	QGVQPK TG PFEDL
3982	P43405	135	REYVKQ TW NLQGQ
3983	P43405	160	LEKLIAT TA HEKM
3984	P43405	161	EKLIAT TA HEKMP
3985	P43405	188	VLIGSK TN GKFLI

3986	P43405	236	EGKKFD TL WQLVE
3987	P43405	264	PCQKIG TQ GNVNF
3988	P43405	371	LDRKLL TL EDKEL
3989	P43686	25	SVSRPQ TG LSFLG
3990	P43686	107	AIVGST TG SNYYV
3991	P43686	223	KAVAHH TT A AFIR
3992	P43686	311	VKVIMAT NR ADTL
3993	P45985	20	GGSGSG TP GPVGS
3994	P45985	56	NPPFKS TAR FTLN
3995	P45985	78	HIERLR TH SI ESS
3996	P45985	98	EQHWDF TA EDLKD
3997	P45985	136	VKRIRST TV DEKEQ
3998	P45985	183	CMELMS TS FDK FY
3999	P45985	209	EILGKI TL ATVKA
4000	P45985	212	GKITLA TV KALNH
4001	P45985	296	VWSLGI TL YELAT
4002	P45985	302	TLYELAT GR FPYP
4003	P45985	318	SVFDQL TQ VVKGD
4004	P45985	349	FVNLCL TK DESKR
4005	P46060	16	AETLAK TQ VAGGQ
4006	P46060	60	LRLEGNT VG VEAA
4007	P46060	89	HWSDMF TG R LRTE
4008	P46060	94	FTGRLR TE I PPAL
4009	P46060	109	LGEGLI TA GAQLV
4010	P46060	143	KSSACF TL QELKL
4011	P46060	259	AVAMAET LK TLRQ
4012	P46060	262	MAETLK TL RQVEV
4013	P46060	332	LDLNGN TL GEEGC
4014	P46060	419	KILDPN TG EPAPV
4015	P46060	461	VLIAQQ TD TS DPE
4016	P46060	511	SSFNSN TF LTRL L
4017	P46108	111	KIHYLD TT TLIEP
4018	P46108	113	HYLD TT TLIEPVS
4019	P46108	267	GELVKV TK INVSG
4020	P46108	289	RGHFPF TH VRL LD
4021	P46527	42	VDHEEL TR DLEKH
4022	P46527	128	PANSED TH LVDPK
4023	P46527	135	HLVDPK TD PSDSQ
4024	P46527	142	DPSDSQ TG LAEQC
4025	P46527	162	ATDDSS TQ NKRAN
4026	P46531	822	NCLLPY TG ATCEV
4027	P46531	1281	PCDARG TQ NCVQR
4028	P46531	1986	LIRNRAT TD L DARM
4029	P46531	2541	GVSSPP TS MQSQI
4030	P46695	10	SRSCHPT MT ILQA
4031	P46695	12	SCHPT MT ILQAPT
4032	P46695	23	PTPAPST IP GPRR
4033	P46695	37	SGPEIF TF FDPLPE
4034	P46695	92	LLFLLL TI VFCQI
4035	P46695	135	LEPFNL TS EPSDY
4036	P46695	147	YALDLS TF LQQHP
4037	P46734	39	PPAPNP TP PRNLD
4038	P46734	48	RNLDSR TF ITIGD
4039	P46734	51	DSRTFI TI GDRNF
4040	P46734	66	EADDLV TI SELGR
4041	P46734	123	TVDCFY TV TFYGA
4042	P46734	125	DCFYTV TF YGALF
4043	P46734	160	VLDKNM TI PEDIL

4044	P46734	257	VWSLGI T MIEMAI
4045	P46734	302	PEFVDF T AQCLRK
4046	P46734	326	MEHPFF T LHKTKK
4047	P46734	330	FFTLHK T KKTDIA
4048	P46734	333	LHKTKK T DIAAFV
4049	P46736	102	QLSAAS T EALERLA
4050	P46736	128	HSHPHI T VWPSHV
4051	P46736	163	FIEDKN T KTGRVL
4052	P46736	254	RRIHSL T HLDSVT
4053	P46776	8	PSRLRK T RKLRGH
4054	P46776	72	NQSFCP T VNLDKL
4055	P46776	86	TLVSEQ T RVNAAK
4056	P46776	95	NAAKNK T GAAPII
4057	P46779	24	IKRNKQ T YSTEPN
4058	P46779	75	GQRKPAT S YVRTT
4059	P46779	80	ATSYVR T TINKNA
4060	P46779	89	NKNARAT L SSIRH
4061	P46782	14	APAVAET P DIKLF
4062	P46782	25	LFGKWS T DDVQIN
4063	P46782	73	PIVERL T NSMMMH
4064	P46782	104	EIIHLL T GENPLQ
4065	P46783	101	RRSRPE T GRPRPK
4066	P46783	118	ERPARL T RGEADR
4067	P46783	126	GEADR D TYRRSAV
4068	P46783	148	AGAGSATE F QFRG
4069	P46821	140	HKLLVL T GQCFEN
4070	P46821	340	EQSQGS T TNSDWM
4071	P46821	801	VAAAVG T GATTAA
4072	P46821	1712	MEEPSY T QDNDLS
4073	P46937	41	QPAPAA T QAAPQA
4074	P46937	77	AVMNP K TANVPQT
4075	P46937	83	TANVPQ T VPMRLR
4076	P46937	114	ASTDAG T AGALTP
4077	P46937	197	NHIDQ T TTWQDPR
4078	P46937	255	INHKNK T TSWLDP
4079	P46937	256	NHKNK T TSWLDPR
4080	P46937	354	LRSQ L P T LEQDGG
4081	P46937	361	LEQDGG T QNPVSS
4082	P46937	390	PFLNSG T YHSRDE
4083	P46937	425	SVDEMD T GDTINQ
4084	P46937	493	ESVLAAT K LDKES
4085	P46940	435	YQKELAT L QRQSP
4086	P46940	1383	AEMDAR T ILLNTK
4087	P46940	1403	RFQPGE T LTEILE
4088	P46940	1564	KISLKY T AARLHE
4089	P47710	61	ILREKQ T DEIKDT
4090	P47710	67	TDEIKD T RNESTQ
4091	P47710	72	DTRNE S TQNCVVA
4092	P47710	171	SDISNP T AHENYE
4093	P47712	52	VELFIS T TPDSRK
4094	P47712	60	PDSRK R TRHFNND
4095	P47712	106	ETLGTAT T FTVSSM
4096	P47712	426	ELENIT T KHIVSN
4097	P47756	170	TAHYKL T STVMLW
4098	P47756	194	NLGGSL T RQMEKD
4099	P47756	227	ENKIRST L NEIYF
4100	P47756	236	EIYFGK T KDIVNG
4101	P47895	113	VERDRAT L AALET

4102	P47895	140	LEGCIR TL RYFAG
4103	P47895	155	DKIQGK TI PTDDN
4104	P47895	440	STDYGL TA AVFTK
4105	P47897	23	EQKARE TL KNSAL
4106	P47897	520	PRLFTL TA LRRRG
4107	P47897	617	IVFIER TD FKEEP
4108	P47897	641	PVGLRH TY GVIEL
4109	P47914	8	AKSKNH TH NQSR
4110	P47914	9	KSKNHT TH NQSRK
4111	P47914	133	AKAKDQ TK AQAAA
4112	P47914	151	AQAPKR TQ APTKA
4113	P48047	121	NGRLSN TQ GVVSA
4114	P48047	130	VVSAF STM MSVHR
4115	P48047	153	SPLEE ATL SELKT
4116	P48047	200	VDMSVK TK IQKLG
4117	P48048	129	ENINGL TS AFDFS
4118	P48048	241	VTPEGE TI ILDQI
4119	P48048	347	FHNFSK TV EVETP
4120	P48048	352	KTVEVE TP HCAMC
4121	P48059	9	NALAS ATC ERCKG
4122	P48059	242	GLAYCE TH YNQLF
4123	P48059	283	ACSTCN TK LTLKN
4124	P48059	286	TCNTKL TL KNKFV
4125	P48551	89	KNCANT TRS FCDL
4126	P48551	260	ALVLT STI VTLKW
4127	P48551	326	DESDSD TE AAPRT
4128	P48551	501	PSDQSD TS ESDVD
4129	P48552	553	RTTPV STP PLLTS
4130	P48552	738	PLRDE STQ EHSER
4131	P48552	1013	KTPVSP TF PEHLG
4132	P48552	1080	KGGNSV TS RETQD
4133	P48643	50	VANTMR TS LGPNQ
4134	P48643	76	VTNDGA TI LSMMD
4135	P48643	106	DEIGDG TT GVVVL
4136	P48643	384	KNSRAV TI FIRGG
4137	P48735	146	RNILGG TV FREPI
4138	P48735	169	GWTKPI TI GRHAH
4139	P48735	364	HQKGR PTST NPIA
4140	P48735	435	EHFLNT TD FLDTI
4141	P48736	46	IEFVL PTS QRKCK
4142	P48736	229	VIHRST TS QTIKV
4143	P48736	733	AMLHDF TQ QVQVI
4144	P48736	746	EMLQKV TL DIKSL
4145	P49023	39	YPTGNH TY QEIAV
4146	P49023	236	SPVPAI TV NQGEM
4147	P49023	543	GCQKPI TG RCITA
4148	P49023	572	KQLNKG TF KEQND
4149	P49137	66	IDDYKV TS QVLGL
4150	P49137	86	QIFNK RTQ EKFAL
4151	P49137	159	RGDQAF TE REASE
4152	P49137	195	PENLLY TS KRPNA
4153	P49137	206	NAILKL TD FGFAK
4154	P49137	214	FGFAKE TT SHNSL
4155	P49137	221	TSHNSL TT PCYTP
4156	P49137	277	ISPGMK TR IRMGQ
4157	P49137	308	IRNLLK TE PTQRM
4158	P49137	311	LLKTE PTQ RMTIT
4159	P49137	317	TQRM ITE FMNHP

4160	P49137	329	PWIMQST TK VPQTP
4161	P49189	44	RVIATF TC SGEKE
4162	P49189	283	LMANFL TQ GQVCC
4163	P49189	379	MRPCVL TN CRDDM
4164	P49189	473	RENGRV TI EYYSQ
4165	P49327	196	VLLKPNT TS VQFLR
4166	P49327	889	RVLFPA TG YLSIV
4167	P49327	1053	YLPTRV TA IHIDP
4168	P49327	1363	VAFLT ST EPQYGQ
4169	P49368	96	EVGDGT TS VIILA
4170	P49368	265	TREEDF TR ILQME
4171	P49368	292	KPDVV ITE KGISD
4172	P49368	318	IRRVRK TD NNRIA
4173	P49407	116	EHAYPF TF EIPPN
4174	P49407	187	QPTAET TR QFLMS
4175	P49407	227	TNNTNK TV KKIKI
4176	P49407	275	CKVYTL TP FLANN
4177	P49450	23	SPSPT TP GPSRR
4178	P49450	58	RKLQK STH LLIRK
4179	P49450	79	EICVK FTR GVDFN
4180	P49450	120	LHAGRV TL FPKDV
4181	P49459	56	DGTFKL TI EFTTE
4182	P49459	60	KLTIEF TE EYPNK
4183	P49459	99	QNRWSP TY DVSSI
4184	P49459	107	DVSSIL TS IQSLL
4185	P49588	31	YVHSSA TI PLDDP
4186	P49588	608	MSNHTA TH ILNFA
4187	P49588	668	AAKAVY TQ DCPLA
4188	P49588	941	DVSAQA TG KNVGC
4189	P49675	47	GGPTP ST WINQVR
4190	P49675	66	GSRL ETL YSDQE
4191	P49675	167	GKDTF IT HELAAE
4192	P49675	196	AKRRGS TC VLAGM
4193	P49682	100	HLAVAD TL LVLT
4194	P49682	157	LNIVHA TQ LYRRG
4195	P49682	213	FPQVGR TAL RVLQ
4196	P49682	360	DSSWSE TSE ASYS
4197	P49715	98	KAAVG PTG GGGGG
4198	P49715	226	LQPGH PTP PPTPV
4199	P49715	230	HPTPP TP PVPSPH
4200	P49715	310	KQRNV ETQ QKVLE
4201	P49720	58	GLAGLA TD VQTV
4202	P49720	141	DFVVSG TC AEQMY
4203	P49720	196	IEKDK IT RTLKA
4204	P49720	197	EKDK IT RTLKAR
4205	P49736	9	ESSES FT MASSPA
4206	P49736	158	RQVERA TE DGEED
4207	P49736	415	GDEIEL TG IYHNN
4208	P49736	570	PVSREW TL EAGAL
4209	P49756	187	GNARPE TV TNDDE
4210	P49756	287	ISKFRD TH KKLEE
4211	P49756	634	SASGNA TP NTPGD
4212	P49756	747	LIEKIP TA KPELF
4213	P49760	93	GDAYYD TD YRHSY
4214	P49760	168	RYEIV STL GEGTF
4215	P49760	173	STLGEG TF GRVVQ
4216	P49760	250	ELLGL ST FDLKD
4217	P49760	287	LHDNKL TH TDLKP

4218	P49760	321	ERSVKSTAVRVVD
4219	P49760	340	DHEHHSITIVSTRH
4220	P49760	379	EYYVGFTLFQTHD
4221	P49760	383	GFTLTFQTHDNREH
4222	P49760	408	SRMIRKTRKQKYF
4223	P49760	425	LDWDENTSAGRYV
4224	P49760	443	PLRRYLITSEAEH
4225	P49768	74	EDEELTLKYGAK
4226	P49768	116	DGQLIYTPFTEDT
4227	P49768	147	SVIVVMITILLVVL
4228	P49768	245	KYLPEWTAWLILA
4229	P49789	19	SVVFLKTELSFAL
4230	P49789	61	VADLFQTTQRVGT
4231	P49789	76	EKHFGHTSLTFSM
4232	P49789	91	GPEAGQTVKHVHV
4233	P49790	348	RSGIDITDFQAKR
4234	P49790	1032	TGVINSTPAPANT
4235	P49790	1361	SQPAPPTFGTVSS
4236	P49790	1460	VFSSSGTSFSGRK
4237	P49795	12	EAEKQITGPEEAD
4238	P49795	28	SMSSHDITASPAAP
4239	P49795	176	QEPSAHTFDDAQL
4240	P49795	201	RFLSSPTYRALLL
4241	P49802	83	EALHLGTLMAAHG
4242	P49802	136	VYLCKRTMQNKAR
4243	P49802	210	PGCVNTTEVDIKK
4244	P49802	250	HTPTPETKPPTED
4245	P49815	147	EVFKALTDNGRHI
4246	P49815	317	SLRNSPTSVLPSF
4247	P49815	659	RGSEKKTSGPLSP
4248	P49815	667	GPLSPPTGPPGPA
4249	P49815	771	AVVPVLTALISYH
4250	P49815	938	SFRARSTSLNERP
4251	P49815	1071	KLVTVTTSVGTGT
4252	P49815	1160	TSPGPRTAPAAKP
4253	P49815	1206	RRPTGNTSWLMSL
4254	P49815	1485	ALKSRATASNAEK
4255	P49815	1542	QIPSYDTHKIAVL
4256	P49815	1576	RYTEFLTGLGRLI
4257	P49841	38	KDGSKVTTVVATP
4258	P49841	152	YSRAKQTLPVIYV
4259	P49841	330	TPTARLTPLEACA
4260	P49841	395	STPTNATAASDAN
4261	P50150	10	GMSNNSTTSISQA
4262	P50150	11	MSNSTTSISQAR
4263	P50402	13	LSDTELTTLLRRY
4264	P50402	102	EESYFTTRTYGEP
4265	P50402	184	DLSYPTSSSTSF
4266	P50402	202	SSSSWLTRRAIRP
4267	P50502	25	DPSVLHTEEMRFL
4268	P50502	46	GKVPPATQKAKSE
4269	P50502	55	AKSEENTKEECPD
4270	P50502	138	KAIDLFTDAIKLN
4271	P50548	97	KRILHKTKGKRFT
4272	P50548	103	TKGKRFTYKFNFN
4273	P50548	148	FRFPPTPSEVLS
4274	P50548	156	SEVLSPTEPRSP
4275	P50548	193	SDCSDGTSELEEP

4276	P50548	271	SPALPM T PTHLAY
4277	P50548	278	PTHLAY T PSPTLS
4278	P50548	282	AYTPSP T LSPMYP
4279	P50548	318	RYLQAHT Q SVYNY
4280	P50548	357	PPMAPET T PPVPSS
4281	P50548	456	DGEVFK T PRAPPA
4282	P50548	538	SDLQHATA Q LSLE
4283	P50552	12	ICSSRAT V MLYDD
4284	P50552	28	RWLPAG T GPQAFS
4285	P50552	43	QIYHN P TANSFRV
4286	P50552	76	VKYNQAT P NFHQW
4287	P50552	126	PPPAL P TWSVPNG
4288	P50552	249	EASGG P TAPKAES
4289	P50552	284	TQVGEK T PKDESA
4290	P50552	315	PWEKN S TTLPRMK
4291	P50552	327	KSSSS V T T SETQP
4292	P50552	328	SSSS V T T SETQPC
4293	P50552	331	SVTT S ET Q PCTPS
4294	P50552	335	SETQ P CT P SSSDY
4295	P50583	39	DGIHH W T P PKGHV
4296	P50583	59	ETALRE T QEEAGI
4297	P50583	71	IEAGQL I IEGFK
4298	P50583	90	ARNK P K T VIYWLA
4299	P50613	34	KARDK N T N QIVAI
4300	P50613	58	KDGINR T ALREIK
4301	P50613	96	VDFDM E T D LEVII
4302	P50613	223	SDLD Q L T RIFETL
4303	P50613	228	LTRIF E T L GTPTE
4304	P50613	231	IFET L G T PTEEQW
4305	P50613	233	ET L G T P T EEQWPD
4306	P50613	248	SLPDY V T F KSFPG
4307	P50613	287	CARITAT Q ALKMK
4308	P50613	302	SNRPG P T P GCQLP
4309	P50613	316	PNC P VE T LKEQSN
4310	P50613	332	AIKRKR T EALQGG
4311	P50750	41	KARHRK T GQKVAL
4312	P50750	62	KEGF P IT A LREIK
4313	P50750	87	LIEICR T KASPYN
4314	P50750	122	NVLVK F T L SEIKR
4315	P50750	158	AANV L I T RDGVLK
4316	P50750	191	YTNRV V T L WYRPP
4317	P50750	224	IMAEM W T R SPIMQ
4318	P50750	233	PIMQGN T EQHQLA
4319	P50750	249	QLCG S I T PEVWPN
4320	P50750	330	LKGML S T H LTSMF
4321	P50750	333	MLST H L T S M FEYL
4322	P50895	276	WVGSP S T P AGWVR
4323	P50895	286	WVREGD T VQLLCR
4324	P50895	328	LTLEG V T R GQSGT
4325	P50895	539	HVFHFG T VSPQTS
4326	P50990	261	GTV L IK T AEELMN
4327	P50990	331	CKTVGAT A LPRLT
4328	P50990	337	TALPR L T P PVLEE
4329	P50990	415	VPGGGAT E IELAK
4330	P51114	125	KTVK K N T FFKCTV
4331	P51114	259	IELDED T GTFRIY
4332	P51114	340	PFV F V G T K ESIGN
4333	P51114	605	GEEKIN T LKEENT

4334	P51397	11	PEGKLE TK AGHPP
4335	P51397	33	VQKHPH T GDTKEE
4336	P51397	36	HPHTGD T KEEKDK
4337	P51397	94	KHPSPR T QHIQQP
4338	P51575	18	FLFEYD T PRMVLV
4339	P51575	57	YEKG YQ T SSGLIS
4340	P51575	104	NSFVVM T NFIVTP
4341	P51575	109	MTNFIV T PKQTQG
4342	P51575	113	IVTPK Q T QGYCAE
4343	P51575	155	CVAFND T VKTCEI
4344	P51575	158	FNDTVK T CEIFGW
4345	P51575	216	NAAHMK T CLFHKT
4346	P51575	222	TCLFHK T LHPLCP
4347	P51575	245	SGQNF S T LAEKGG
4348	P51575	256	GGVVG I T IDWHCD
4349	P51575	302	HFVEN G T NYRHLF
4350	P51587	568	SWPATT T QNSVAL
4351	P51587	587	STLKK K T NKFIYA
4352	P51587	1346	DSSKND T VCIHKD
4353	P51587	1378	FMKEGN T QIKEDL
4354	P51587	1673	SALAF Y T SCSRKT
4355	P51587	1980	TCGIF S T ASGKSV
4356	P51587	2255	ATHSL F T CPENEE
4357	P51587	2790	RPARW Y T KLGFFP
4358	P51587	2881	EHEENT T KPYLPS
4359	P51587	3030	NIQLA A T KKTQYQ
4360	P51587	3204	CTSGPY T AQIIPG
4361	P51587	3249	PVSAQ M T SKSCKG
4362	P51617	88	DLVHIL T HLQLLR
4363	P51617	100	RARDI I T AWHPPA
4364	P51617	179	SPAP S T KPGPES
4365	P51617	234	RAVMR N T VYAVKR
4366	P51617	250	NADLEW T AVKQSF
4367	P51617	258	VKQS F L T EVEQLS
4368	P51617	322	LDILL G T ARAIQF
4369	P51617	417	GVVV L E T LAGQRA
4370	P51617	426	GQRAV K T HGARTK
4371	P51617	512	KRRPP M T QVYERL
4372	P51617	551	NSYV S T GRAHSG
4373	P51617	625	GCPQ G D T AGESSW
4374	P51636	62	VIAEP V T THSFDK
4375	P51636	63	IAEP V T THSFDKV
4376	P51636	106	AGILF A T LSCLHI
4377	P51636	121	LMPFV K T CLMVLP
4378	P51654	71	CLPK G P T CCSRKM
4379	P51654	84	EEK Y Q L TARLNME
4380	P51654	180	LFPVI Y T QLMNPG
4381	P51654	217	FPKLI M T QVSKSL
4382	P51809	66	IVYLC I T DDDFER
4383	P51809	88	IKKR F Q T TYGSRA
4384	P51809	96	YGSRA Q T ALPYAM
4385	P51809	170	LVDSS V T FKTTSR
4386	P51813	36	LFVL T K T NLSYYE
4387	P51813	144	KAAP G C T LWEAYA
4388	P51813	353	KHYH V H T NAENKL
4389	P51813	640	PHLAS D T IYQIMY
4390	P51884	129	INHNN L T ESVGPL
4391	P51884	145	LEDL Q L T HNKITK

4392	P51884	162	EGLVNL T FIHLQH
4393	P51884	209	LPVSL L TLYLDNN
4394	P51946	12	SQKRHW T FSSEEQ
4395	P51946	190	PEILRK T ADDFLN
4396	P51946	215	PSQIAL T AILSSA
4397	P51946	315	HEEEEW T DDDLVE
4398	P51955	13	DYEVLY T IGTGSY
4399	P51955	16	VLYTIG T GSYGRC
4400	P51955	45	LDYGSM T EAEKQM
4401	P51955	78	DRIIDR T NTTLYI
4402	P51955	80	IIDRTN T TLYIVM
4403	P51955	81	IDRTNT T LYIVME
4404	P51955	102	SVITKG T KERQYL
4405	P51955	118	FVLRVM T QLTLAL
4406	P51955	121	RVMTQL T LALKEC
4407	P51955	217	ALMP P F T AFSQKE
4408	P51955	249	ELNEI I T RMLNLK
4409	P51955	405	NSESQ L T SKSKCK
4410	P51991	60	HFEKWG T LDCVV
4411	P51991	82	RGFGFV T YSCVEE
4412	P51991	124	KPGAHL T VKKIFV
4413	P51991	179	TFDDHD T VDKIVV
4414	P52272	205	AGRLGS T VFVANL
4415	P52272	475	IERM G T MERIGS
4416	P52272	507	IDRV G T IERMGS
4417	P52272	665	NLPFD F T WKMLKD
4418	P52292	151	TNIAS G T SEQTKA
4419	P52292	232	LRNL T W T LSNLCR
4420	P52292	255	VEQIL P T LVRLH
4421	P52292	358	QKEAT W T MSNITA
4422	P52333	8	APPSE E T PLIPQR
4423	P52333	21	SCS L L T EAGALH
4424	P52333	209	QGLSFV T RRRIRR
4425	P52333	551	DGEARK T EVLLKV
4426	P52434	63	RLVIA S T LYEDGT
4427	P52434	69	TLYED G T LDDGEY
4428	P52434	104	RIEGDE T STEAA T
4429	P52434	110	TSTEA A T RLSAYV
4430	P52435	25	ITINKD T KVPNAC
4431	P52435	77	IIIRV Q T PDYSP
4432	P52435	88	SPQEA F T NAITDL
4433	P52435	92	AFTNA I T DLISEL
4434	P52565	76	VVVTGL T LVCSA
4435	P52565	91	PLELD L T GDLE S
4436	P52565	132	MKYIQ H T YRKGVK
4437	P52565	142	GVKIDK T DYMGVS
4438	P52630	102	PFSQD P T QLAEMI
4439	P52630	185	IQAKG K T PSLDPH
4440	P52630	202	QKILQ E T LNELDK
4441	P52630	226	LLGRL T T LIELLL
4442	P52630	263	QLETW F T AGAKLL
4443	P52630	305	LRNAQV T ELLQRL
4444	P52630	341	KTGSK F T VRTRLL
4445	P52630	380	RKF N I L T SNQKTL
4446	P52630	385	LTSN Q K T LTP E K G
4447	P52630	611	SSEGG I T CSWVEH
4448	P52630	642	LQSL P L T E I IRHY
4449	P52630	828	LLAG Q N T VDEVYV

4450	P52655	157	PVQQIL T NSGQLL
4451	P52655	244	TTVAAP T PAQAQI
4452	P52655	253	QAQITAT G QQQPQ
4453	P52655	331	GQELFD T ENVVVC
4454	P52732	226	KRTTAAT L MNAYS
4455	P52732	294	INQSL L TLGRVIT
4456	P52732	330	LGGRTR T SIIATI
4457	P52732	463	KTQELE T TQKHLQ
4458	P52732	643	EMILSP T VVSILK
4459	P52732	663	IFKTS L TVADKIE
4460	P52732	730	KLMNLW T ERFCAL
4461	P52732	885	IFLDQ M TIDEDKL
4462	P52732	923	LKLDIP T GTTPQR
4463	P52732	937	SYLYPS T LVRTEP
4464	P52732	972	ENNKE E TIPDVDV
4465	P52732	1039	SKVEET T EHLVTK
4466	P52735	134	PFPSE E TTENDDD
4467	P52735	315	QKVEEC T LKVQDG
4468	P52735	547	KMFLRG T FYQGYM
4469	P52735	555	YQGYMC T KCGVGA
4470	P52907	77	EDQVL I TEHGDLG
4471	P52907	217	DVQDSL T VSNEAQ
4472	P52907	253	YQTMSD T TFKALR
4473	P52907	267	QLPVTR T KIDWNK
4474	P52926	13	GAGQP S TAQGQP
4475	P52926	40	KQQQE P TGEPSPK
4476	P52926	97	KPAQE E TEETSSQ
4477	P52926	100	QEETE E TSSQESA
4478	P52945	11	EQYYA A TQLYKDP
4479	P52945	125	FPWMK S TKAHAWK
4480	P52945	154	RTRTAY T RAQLLE
4481	P52945	186	AVMLNL T ERHIKI
4482	P53350	253	GKPPF E TSCLKET
4483	P53350	259	TSCLK E TYLRIKK
4484	P53350	288	IQKML Q TDPTARP
4485	P53350	291	MLQTD P TARPTIN
4486	P53350	317	PARLP I TCLTIPP
4487	P53350	341	SNRKPL T VLNKGL
4488	P53350	366	EPVVRE T GEVVDC
4489	P53350	440	VLFND S TRLILYN
4490	P53350	464	GTESYL T VSSHPN
4491	P53350	513	RLPYLR T WFRTRS
4492	P53350	539	NFFQD H TKLILCP
4493	P53350	551	PLMAAV T YIDEKR
4494	P53355	1018	AQQLH S TGEINIM
4495	P53355	1053	KLLSV E TPRALHH
4496	P53355	1065	HYRGRY T VEDIQR
4497	P53355	1271	ETSLTN T MGGYKE
4498	P53396	322	TYDYAK T ILSLMT
4499	P53396	348	GSIAN F TNVAATF
4500	P53396	582	RSAYD S TMETMNY
4501	P53396	1014	LEVEKI T TSKKPN
4502	P53667	9	LTL L CC T WREERM
4503	P53667	113	ECFIC L TCGTFIG
4504	P53667	123	FIGDGD T YTLVEH
4505	P53667	141	GHCY Y Q T VVTPVI
4506	P53667	144	YYQ T VV T PVIEQI
4507	P53667	198	GTEH S H T VRVQGV

4508	P53667	270	HGLGPET S PLSSP
4509	P53667	413	KRLNFIT E EYIKGG
4510	P53667	420	EYIKGG T LRGIK
4511	P53667	583	PSFFPIT V RCCDL
4512	P53667	606	LEHWLE T LRMHLA
4513	P53667	631	DRGFWE T YRRGES
4514	P53674	31	GAPPAG T SPSPGT
4515	P53674	38	SPSPGT T LAPTTV
4516	P53674	42	GTTLAP T TVPITS
4517	P53674	43	TTLAPT T VPITSA
4518	P53779	13	YYCSEPT L LDVKIA
4519	P53779	57	VEVGDS T FTVLKR
4520	P53779	103	RPFQ N Q T HAKRAY
4521	P53779	131	SLLN V F T PQKTLE
4522	P53779	202	VVKSDC T LKILDF
4523	P53779	226	MTPY V V T RYRAP
4524	P53779	281	VIEQLG T PCPEFM
4525	P53779	308	PKYAGL T FPKLFP
4526	P53779	386	LDEREH T IEEWKE
4527	P53779	405	MNSEEK T KNGVVK
4528	P53779	444	SMSTDQ T LASDTD
4529	P53779	449	QTLASD T DSSLEA
4530	P53804	806	NEEQKE T VDNVQR
4531	P53804	886	ENNRVK T RIFLHV
4532	P53804	1306	LEDVKP T YWAQSH
4533	P53804	1479	IHQEVN T EPYNPF
4534	P53999	42	PVKKQK T GETSRA
4535	P53999	45	KQKTGE T SRALSS
4536	P54105	207	NMAGVR T EDSIRD
4537	P54105	222	DGMEVD T TPTVAG
4538	P54105	223	GMEVD T TPTVAGQ
4539	P54105	225	EVD T T P TVAGQFE
4540	P54198	101	MVWKRA T YIGPST
4541	P54198	260	EREGWK T NMDFVG
4542	P54198	378	SRIHQ S T YGKSLA
4543	P54198	387	KSLAIM T EAQLST
4544	P54198	462	DGRRRI T PLCIAQ
4545	P54198	554	LSPSVL T TPSKIE
4546	P54198	583	PGAPAL T SMTPTA
4547	P54198	735	EWETVL T SRILTA
4548	P54198	783	ISTLHC T GSYVMA
4549	P54198	791	SYVMAL T AAATLS
4550	P54198	823	LAGSDM T VSQILL
4551	P54198	893	AI I QGR T SNSGRQ
4552	P54253	235	RAPGLI T PGSPPP
4553	P54253	510	AAPAIV T SSPQFA
4554	P54253	665	SCCPERT S QLFDL
4555	P54253	686	DVCISL T LKNLKN
4556	P54259	351	GPEKG P T LAPSPH
4557	P54259	606	PFPPVP T VTTSSA
4558	P54259	620	LSTVIAT V ASSPA
4559	P54259	1098	IPYPAG T LPNPLL
4560	P54274	269	VVESKR T RTITSQ
4561	P54274	293	TEANLD T RKSVSD
4562	P54274	358	KESRRATE S RIPV
4563	P54274	426	LKDRWR T MKKLKL
4564	P54577	44	IYWGTAT T GKPHV
4565	P54577	130	QLSKEY T LDVYRL

4566	P54577	193	DQRKIF TF AEKYL
4567	P54577	219	PMVPGL TG SKMSS
4568	P54646	21	HYVLGD TL GVGTF
4569	P54646	26	DTLGVG TF GKVKI
4570	P54646	38	IGEHQL TG HKVAV
4571	P54646	87	QVISTP TD FFMVM
4572	P54646	221	DDEHVP TL FKKIR
4573	P54646	303	CEKFEC TE SEVMN
4574	P54646	447	RRKNPV TG NYVKM
4575	P54646	485	QRSGSS TP QRSCS
4576	P54646	506	SSFDS T AESHSL
4577	P54646	517	SLSGSL TG SLTGS
4578	P54646	524	GSLTGS TL SSVSP
4579	P54646	536	PRLGSH TM DFFEM
4580	P54753	240	LVIAPG TC IPNAV
4581	P54753	793	PSDPTY TS SLGK
4582	P54753	920	QPLLD RT VPDYTT
4583	P54753	926	TVPDY TT FTTVGD
4584	P54829	125	LVSSLL TL LKQLE
4585	P54829	140	AWLDSG TW GVPSL
4586	P54829	168	VWHLLR TP PEPPT
4587	P54829	192	SRQPS F TYSEWME
4588	P54829	230	KPEAD P TSLTVKS
4589	P54829	342	HSRVCL TS PD
4590	P54829	372	EKVYIA TQ GPIVS
4591	P54829	425	YDGVEI TV QKVIH
4592	P54829	446	ISLKSG TE ERGLK
4593	P54829	457	LKHYWF TS WPDQK
4594	P54829	509	TGCFIA TS ICCCQ
4595	P54829	528	VDILKT TC QLRQD
4596	P55060	152	INGVLR TA HSLFK
4597	P55060	341	EDQNTL TS ICEKV
4598	P55060	629	CLSIRI TC KANPA
4599	P55060	784	LQNSKT TK FIKSF
4600	P55072	56	QLFRGD TV LLKKG
4601	P55072	127	DTVEGI TG NLFV
4602	P55072	249	LYGPPG TG KTLIA
4603	P55072	403	EQVAN TH GHVGA
4604	P55211	64	LIIDLE TR GSQAL
4605	P55211	80	ISCLED TG QDMLA
4606	P55211	91	LASFLR TN RQAAK
4607	P55211	102	AKLSKP TL ENLTP
4608	P55211	107	PTLENL TP VVLRP
4609	P55211	179	RESGLR TR TGSNI
4610	P55211	181	SGLRTR TG SNIDC
4611	P55211	208	EVKGD L TAKKMVL
4612	P55211	253	PGAVYG TD GCPVS
4613	P55211	270	VNIFNG TS CPSLG
4614	P55211	317	NPEPDA TP FQEGL
4615	P55211	366	GSWYVE TL DDIFE
4616	P55212	138	AKIEIQ TL TGLFK
4617	P55212	182	DVVDNQ TE KLDTN
4618	P55212	250	EFTELL TL VNRKV
4619	P55212	283	CFASML TK KLHFF
4620	P55263	83	YHAGGS TQ NSIKV
4621	P55263	211	ENNRI F TLNLSAP
4622	P55263	255	REQGF E TKDIKEI
4623	P55263	297	ATESEV TA FAVLD

4624	P55268	113	RIQNVV TS FAPQR
4625	P55268	595	GETPSW TG SGFVR
4626	P55268	667	DDRIQG TL QPHAR
4627	P55268	1221	AQELQQ TG VLGAF
4628	P55273	54	VMMFGS TA IALEL
4629	P55273	72	SPNVQD TS GTSPV
4630	P55273	75	VQDTSG TS SPVHDA
4631	P55273	84	VHDAAR TG FLDTL
4632	P55735	30	YGTRLA TC SSDRS
4633	P55735	135	ISLLTY TG EGQWE
4634	P55735	230	IGLPT ST IASCSQ
4635	P55735	287	GGDNKV TL WKESV
4636	P55769	19	LADAH LTK LLDL
4637	P55769	43	KGANEA TK TLNRG
4638	P55769	45	ANEAT KTL NRGIS
4639	P55769	105	VIACSV TI KEGSQ
4640	P55795	193	SRAEVR TH YDPPR
4641	P55795	328	GPDGRV TG EADVE
4642	P55795	337	ADVEFA TH EDAVA
4643	P55795	384	ELFLNS TA GASGG
4644	P55884	274	DFDKYM TI SDEWD
4645	P55884	347	RWSPKG TY LATFH
4646	P55884	542	GTQGVV TN FEIFR
4647	P55884	668	TGRYVV TS SVSWS
4648	P56537	45	EGELSD TI PVVHA
4649	P56537	91	RNSLPD TV QIRRV
4650	P56537	210	AFCGLD TT STELS
4651	P56537	213	GLD TTST ELSVVE
4652	P56817	47	LRLPRE TD EPEE
4653	P56817	80	GYVEM TV GSPPQ
4654	P56817	94	LNILVD TG SSNFA
4655	P56817	437	VEGPFV TL DMEDC
4656	P56945	81	GPGPPA TP AQPQP
4657	P56945	644	PSPPKF TS QDSPD
4658	P56945	756	QCEANL TT LTNAV
4659	P56945	771	FFTAV ATN QPPKI
4660	P57059	32	FYDIER TL GKGNF
4661	P57059	231	DGPNL P TLRQVL
4662	P57059	298	FSAHSY TS NLGDY
4663	P57059	395	LCPQPQ TL VQSVL
4664	P57059	473	STGRRH TL AEVST
4665	P57059	485	TRLSPL TA PCIVV
4666	P57059	495	IVVSP ST TASPAE
4667	P57059	496	VVSP ST TASPAEG
4668	P57059	523	PAGLSG TP ATQGL
4669	P57059	526	LSGTPA TQ GLLGA
4670	P57059	549	LGSQSA TP VLQAQ
4671	P57059	596	LRKTTR TK GFLGL
4672	P57081	109	RRCTAL TF IASEE
4673	P57081	188	SFCLGH TE FVSRI
4674	P57081	265	ALLCDG TP VVYIF
4675	P57081	331	QSVPE ST VLKKVS
4676	P58340	67	EDSLTH TD VSSFQ
4677	P58340	130	FQASTQ TR RAPGG
4678	P58340	140	PGGIKE TR KAMRD
4679	P58340	175	KSKNKK TG DEEVN
4680	P59665	82	GERRYG TC IYQGR
4681	P59998	15	LSAVRA TL QAALC

4682	P59998	52	LLLQPVTISRNEK
4683	P59998	119	DISFLITNFHTEQ
4684	P59998	123	LITNFHTEQMYKH
4685	P60228	101	FEDPETTRQMQST
4686	P60228	212	QSLQQRTWLIHWS
4687	P60228	248	YLNAIQTMCPHIL
4688	P60228	263	LTTAVITNKDVRK
4689	P60468	30	ARAAGSTVRQRKN
4690	P60468	41	KNASCGTRSAGRT
4691	P60468	48	RSAGRTTSAGTGG
4692	P60468	60	GMWRFYTEDSPGL
4693	P60484	26	GFDLDLTYIYPNI
4694	P60484	78	AERHYDTAKFNCR
4695	P60484	131	KAGKGRTGVMICA
4696	P60484	167	RDKKGVTIIPSQRR
4697	P60484	210	PMFSGGTCNPQFV
4698	P60484	232	SSNSGPTRREDKF
4699	P60484	277	FHFVWNTFFIPGP
4700	P60484	286	IPGPEETSEKVEN
4701	P60484	319	KEYLVLTLTKNDL
4702	P60484	321	YLVLTLTKNLDLKD
4703	P60484	348	KVKLYFTKTVEEP
4704	P60484	363	PEASSSTSVTPDV
4705	P60866	58	GPVRMPTKTLRIT
4706	P60866	60	VRMPTKTLRITTR
4707	P60866	68	RITTRKTPCGEGS
4708	P60866	102	EIVKQITSISIEP
4709	P60953	17	DGAVGKTCLLISY
4710	P60953	25	LLISYTTNKFPS
4711	P60953	75	PLSYPQTDVFLVC
4712	P60953	102	KWVPEITHHCPKT
4713	P61073	8	EGISIIYTSDNYTE
4714	P61073	241	RKALKTTVILILA
4715	P61073	287	HKWISITEALAFF
4716	P61073	342	GHSSVSTESESSS
4717	P61081	20	EESAGGTKGSSKK
4718	P61081	46	ELNLPKTCDISFS
4719	P61081	97	PKVKCETMVYHPN
4720	P61081	124	DWKPVLINSIIY
4721	P61086	37	LVDENFTELARGEI
4722	P61086	105	QWAAAMTLRTVLL
4723	P61086	144	PEMFKQTARLWAH
4724	P61086	192	KSWDVEATATELLL
4725	P61158	17	DCGTGYTKLGYAG
4726	P61158	126	PENREYTAIEIMFE
4727	P61158	175	DSGDGVTHVIPVA
4728	P61158	257	KWIKQYTGINAIS
4729	P61244	68	QILDKATEYIQYM
4730	P61244	80	MRRKNHTHQQDID
4731	P61244	113	SSAQLQTNYPSSD
4732	P61244	124	SDNSLYTNAKGST
4733	P61289	73	PDPILLTNSHDGL
4734	P61289	99	EEAFQGTKVFVMP
4735	P61289	135	LIEKCNVTKMWVQ
4736	P61289	207	DYRRTVTEIDEKE
4737	P61457	51	RAFGFMTRVALQA
4738	P61457	76	YNKVHITLSTHEC
4739	P61457	79	VHITLSTHECAGL

4740	P61604	25	ERSAAET TV TKGGI
4741	P61604	27	SAAETV TK GGIML
4742	P61604	45	GKVLQAT TV VAVGS
4743	P61604	79	LPEYGG TK VVLDD
4744	P61769	24	LEAIQRT TP KIQVY
4745	P61769	88	FYLLYY TE FTPTE
4746	P61769	91	LYYTEF TP TEKDE
4747	P61769	93	YTEFT PT EKDEYA
4748	P61803	20	EEYLSS TP QRLKL
4749	P61803	37	LLYILL TG ALQFG
4750	P61803	50	YCLLVG TF PFNSF
4751	P61803	102	DFLFAST TI LHLVV
4752	P61923	12	LEPSLY TV KAILI
4753	P61923	66	ALLEGL TV VYKSS
4754	P61923	156	GEDVPL TE QTVSQ
4755	P61923	159	VPLTEQ TV SQVLQ
4756	P61978	9	TEQPEE TF PNTET
4757	P61978	70	NIKALR TD YNASV
4758	P61978	120	LPSPTA TS QLPLE
4759	P61978	440	IITITG TQ DQIQN
4760	P62136	31	GKNVQL TE NEIRG
4761	P62136	103	GKQSLE TI CLLLA
4762	P62136	151	NIKLWK TF TD CFN
4763	P62136	153	KLWK TF TD CFNCL
4764	P62136	193	RRIMR PT DVDPQG
4765	P62136	226	DRGVS TF FGAEVV
4766	P62136	265	AKRQLV TL FSAPN
4767	P62136	288	MMSVDE TL MCSFQ
4768	P62253	60	VFKAHL TF PKDYP
4769	P62253	76	PKMKFI TE IWHPN
4770	P62253	116	RWLPIH TV ETIMI
4771	P62253	119	PIHTVE TI MISVI
4772	P62258	38	GMDVEL TV EERNL
4773	P62258	91	YRQMVET EL KLIC
4774	P62258	166	MTELP PTH PIRLG
4775	P62258	232	DNLT LTW TS DMQGD
4776	P62266	9	KCRGLR TA RKLRS
4777	P62266	34	KKAHLG TA LKANP
4778	P62266	82	KNGKKI TA FVPND
4779	P62269	31	KIAFAI TA IKGVG
4780	P62269	69	EVERVI TI MQNPR
4781	P62269	136	RVRGQH TK TTGRR
4782	P62269	138	RGQHT KT TGRRGR
4783	P62280	28	RVLLGE TG KEKLP
4784	P62280	54	KEAIEG TY IDKKC
4785	P62280	137	CRPLSK TV RFNVL
4786	P62280	146	FNVLKV TK AAGTK
4787	P62306	15	PFLNGL TG KPVMV
4788	P62306	47	NMQLAN TE EYIDG
4789	P62316	26	EEEEFN TG PLSVL
4790	P62316	33	GPLSVL TS QSVKNN
4791	P62316	40	QSVKNN TQ VLINC
4792	P62316	75	NVKEMW TE VPKSG
4793	P62495	76	SVLGA ITS VQQRL
4794	P62495	160	SGALFG TL QGNTR
4795	P62495	234	GSADFK TE LSQSD
4796	P62495	358	KDKSHF TD KETGQ
4797	P62633	21	WARECP TG GGRRGR

4798	P62633	38	RGRGGFTSDRGFQ
4799	P62633	133	HIQKDC T KVKCYR
4800	P62633	143	CYRCGE T GHVAIN
4801	P62745	19	DGACGK T CLLIVF
4802	P62745	37	PEVYVPT V FENYV
4803	P62745	77	PLSYPD T DVILMC
4804	P62745	129	SDEHVR T ELARMK
4805	P62753	26	DERKLR T FYEKRM
4806	P62753	89	CYRPRR T GERKRK
4807	P62753	181	KIQRLV T PRVLQH
4808	P62753	241	SSLRA S TSKSESS
4809	P62805	31	DNIQGI T KPAIRR
4810	P62805	74	RDAVTY T EHAARK
4811	P62805	81	EHAARK T VTAMDV
4812	P62805	83	AKRK T VTAMDVVY
4813	P62820	43	TESYIS T IGVDFK
4814	P62820	75	GQERFR T ITSSYY
4815	P62820	129	GNKCDL T TKKVVD
4816	P62820	137	KKVVDY T TAKEFA
4817	P62826	42	EKKYVAT L GVEVH
4818	P62826	93	IIMFDV T SRVTYK
4819	P62826	206	DLEVAQ T TALPDE
4820	P62826	207	LEVAQT T TALPDED
4821	P62847	9	DTVTIR T RKFMTN
4822	P62847	14	RTRKFM T NRLLR
4823	P62847	69	HFGGGK T TGFGMI
4824	P62847	102	LYEKKK T SRKQRK
4825	P62873	65	YAMHWG T DSRLLV
4826	P62873	178	ETGQQT T TFTGHT
4827	P62873	196	LSLAPD T RLFVSG
4828	P62873	249	TGSDDA T CRLFDL
4829	P62877	9	AAMDVD T PSGTNS
4830	P62877	13	VDTPSG T NSGAGK
4831	P62877	64	ANQASAT T SEECTV
4832	P62877	69	ATSEECT V AWGVC
4833	P62913	34	ESGDRL T RAAKVL
4834	P62913	73	KIAVHCT V RGAKA
4835	P62913	102	KNNFSD T GNFGFG
4836	P62913	148	ADKKRR T GCIGAK
4837	P62917	84	AAEGIH T GQFVYC
4838	P62917	111	GTMPEG T IVCCLE
4839	P62917	143	ISHNPET K KTRVK
4840	P62917	249	TGRLRG T KTVQEK
4841	P62937	32	ADKVPK T AENFRA
4842	P62937	68	CQGGDF T RHNGTG
4843	P62937	73	FTRHNG T GGKSIY
4844	P62937	157	KTSKKI T IADCGQ
4845	P62979	22	EVEPSD T IENVKA
4846	P62979	86	RKKKSY T TPKKNK
4847	P62979	147	CGKCCL T YCFNKP
4848	P62995	33	GKSARH T PARSRS
4849	P62995	129	FGLSLY T TERDLR
4850	P62995	196	RVDFS I TKRPHTP
4851	P62995	203	KRPHTP T PGIYMG
4852	P63010	290	LAPPLV T LLSGEP
4853	P63010	401	LLDLIQ T KVNYVV
4854	P63010	730	EISGTF T HRQGHI
4855	P63010	913	PGNPNY T LSLKCR

4856	P63165	10	QEAKPST ED LGDK
4857	P63165	41	HFKVKMT TH LKKL
4858	P63165	42	FKVKMT TH LKKLK
4859	P63165	76	RIADNH TP KELGM
4860	P63167	26	DSVECAT Q ALEKY
4861	P63167	53	DKKYN P TWHCIVG
4862	P63167	67	NFGSYV TH ETKHF
4863	P63167	70	SYV TH ETKHFIYF
4864	P63218	50	QHDPLL TG VSSST
4865	P63218	56	TGVSSST NP FRPQ
4866	P63220	43	AEVDKV TG RFNGQ
4867	P63220	52	FNGQFK TY AICGA
4868	P63241	48	EMSTSK TG KHGHA
4869	P63241	65	VGIDIF TG KKYED
4870	P63241	136	GEEILI TV LSAMT
4871	P63241	142	TVLSAM TE EAAVA
4872	P63244	10	QMTLRG TL KGHNG
4873	P63244	50	KLTRDE TN YGIPQ
4874	P63244	86	SGSWDG TL RLWDL
4875	P63244	297	WSADGQ TL FAGYT
4876	P63252	75	LADIFT TC VDIRW
4877	P63252	130	SEVNSF TA AFIFS
4878	P63252	353	TYEVP N TPCSAR
4879	P63252	400	VPEST ST DTPPDI
4880	P63279	35	TKNPDG TM NLMNW
4881	P63279	51	IPGKKG TP WEGGL
4882	P63279	108	DWRPAI TI KQILL
4883	P63279	135	AQAEAY TI YCQNR
4884	P63316	13	AAVEQL TE EQKNE
4885	P63316	53	MLGQN P TPPELQE
4886	P63316	124	KIMLQ A TGETITE
4887	P63316	129	ATGETI TE DDIEE
4888	P67775	98	YSVETV TL LVALK
4889	P67775	176	LSPSID TL DHIRA
4890	P67775	227	GQDISE TF NHANG
4891	P67775	258	HDRNVV TI FSAPN
4892	P67809	25	ALSAAD TK PGTTG
4893	P67809	29	ADTKPG TT GSGAG
4894	P67809	30	DTKPG TT GSGAGS
4895	P67809	57	DKKVI A TKVLGTV
4896	P67870	37	QDKFNL TG LNEQV
4897	P67870	90	HARYIL TN RGIAQ
4898	P67870	145	KCMDVY TP KSSRH
4899	P67870	161	DGAYFG TG FPHML
4900	P68032	68	SKRGIL TL KYPIE
4901	P68032	150	LYASGR TT GIVLD
4902	P68032	196	YLMKIL TE RGYSF
4903	P68032	279	SAGIH ET TYNSIM
4904	P68104	22	VDSGK ST TTGHLI
4905	P68104	23	DSGK ST TTGHLIY
4906	P68104	82	SLWKFE TS KYYVT
4907	P68104	88	TSKYV VI IDAPG
4908	P68104	106	KNMITG TS QADCA
4909	P68104	158	VNKMD ST EPYSQ
4910	P68104	176	IVKEV ST YIKKIG
4911	P68104	217	FKGWKV TR KDGNA
4912	P68104	227	GNASGT TL LEALD
4913	P68104	279	KPGMV V TFAPVNV

4914	P68104	341	MEAAGF TA QVIIL
4915	P68104	452	AGAGKV TK SAQKA
4916	P68363	41	QMPSDK TI GGGDD
4917	P68363	292	LSVAEI TN ACFEP
4918	P68363	361	INYQP P TVVPGGD
4919	P68363	382	CMLSNT TA IAEAW
4920	P68400	13	SRARVY TD VNTHR
4921	P68400	17	VYTDVN TH RPREY
4922	P68400	60	FEAINI TN NEKVV
4923	P68400	96	GGPNII TL ADIVK
4924	P68400	108	KDPVSR TP ALVFE
4925	P68400	119	FEHVN N TD TK QLY
4926	P68400	127	FKQLYQ TL TDYDI
4927	P68400	129	QLYQ TL TDYDIRF
4928	P68400	251	IAKVLG TE DLYDY
4929	P68400	314	DHQ SRL TA RE AME
4930	P68400	326	EHFYFY TV VKDQA
4931	P68871	13	EEKSAV TAL WGKV
4932	P68871	51	SFGDL ST PD AV MG
4933	P68871	88	LKGT FATL SELHC
4934	P68871	124	HFGKE FT PPVQAA
4935	P78344	260	LCQIMR TV GPRLD
4936	P78344	301	RFL LQD TV EL REH
4937	P78344	418	GHIMP P T QS QFGE
4938	P78344	691	QDREWL TEL FQ QS
4939	P78346	59	AVSEL F T TL PIVQ
4940	P78346	130	LVCITV TE KLPFY
4941	P78346	169	STMRRY TI SSALN
4942	P78346	234	ALLHGE TR KTA FG
4943	P78347	260	QAGPSE TD DV DE K
4944	P78347	359	KWNARI TD LRKQV
4945	P78347	785	PFRRP ST FGIPRL
4946	P78347	984	TEEIKE TD GSSQI
4947	P78348	86	VAASQL TF PAVTL
4948	P78348	214	KTMKG G T GN GLEI
4949	P78348	289	LPPPWG TC KAVTM
4950	P78348	370	EMPCNL TRY GKEL
4951	P78362	41	PPLPD P TP PE PEE
4952	P78362	94	GWGHF ST VWLCWD
4953	P78362	121	AQHYTE TAL DEIK
4954	P78362	327	PEVKLK TT GLEEA
4955	P78362	338	EAAEA E TA KD NGE
4956	P78362	383	WIESPK TN GH IE N
4957	P78362	426	NAESDY TY SSSYE
4958	P78362	455	QFPEF ST SLFSGS
4959	P78362	478	SEGSPL TE QE ES S
4960	P78362	498	TVSASS TG DLPKA
4961	P78362	506	DLPKAK TRA ADLL
4962	P78362	547	FTEDIQ TR QYRSI
4963	P78371	165	LMNIAG TT LSSKL
4964	P78371	379	IVLRG AT QQILDE
4965	P78371	422	LMAHAV TQ LANRT
4966	P78371	474	AHSEGN TT AGLDM
4967	P78527	137	LIKLLQ TF RSSRL
4968	P78527	400	QMFLTQ TD TGDDR
4969	P78527	432	TVPEVY TP VLEHL
4970	P78527	516	ASGEVR TG KWKVP
4971	P78527	582	VEKLDL TL EIQTV

4972	P78527	1346	RIMEFT T TLLNTS
4973	P78527	1366	KKDLCN T HLMRVL
4974	P78527	1566	YSLFSE T INTELL
4975	P78527	1620	QGLKLA T TILQHW
4976	P78527	2063	QDPRPA T GRFRRR
4977	P78527	2723	KGAAGR T DLLRLR
4978	P78527	4001	PGLLTN T MDVFKV
4979	P78536	62	RKRDLO T STHVET
4980	P78536	246	GRGEES T TTNYLI
4981	P78536	385	YLNSGL T STKNYG
4982	P78536	396	YGKTIL T KEADLV
4983	P78536	500	MYLNND T CCNSDC
4984	P78536	529	KNCQFET A QKKCQ
4985	P78536	541	QEAINAT T CKGVSY
4986	P78536	549	KGVSYCT T GSSECC
4987	P78536	596	SCACNET T DNSCKV
4988	P78536	631	RKGKPC T VGFCDM
4989	P78536	761	DHQRMDB T IQEDPS
4990	P78536	796	KSFEDL T DHPVTR
4991	P78543	26	LSSLLR T RGCVSE
4992	P78543	47	ALQEAL T EHYKHH
4993	P78543	101	LLPSEL T LWVDPY
4994	P78543	136	ASCGLL T CKNQVL
4995	P80188	24	AQAQDST S DLIPA
4996	P80188	113	CQPGEFT L GNIKS
4997	P80188	133	LVRVVS T NYNQHA
4998	P80188	161	ITLYGR T KELTSE
4999	P80192	397	HSRPSF T NILDQL
5000	P80192	404	NILDQL T TIEESG
5001	P80192	452	TWEEEL T RAALQQ
5002	P80192	529	DFQHKFT V QASPT
5003	P80192	554	SPPASPT I IPRLR
5004	P80192	598	PKKKGR T WGPGTL
5005	P80192	808	SRPRRS T SPPSRK
5006	P80192	876	PPLSPC T HNPLVN
5007	P80192	902	LTPTHV T LTPSQ
5008	P80192	982	NTQQDS T LERPKT
5009	P80192	1026	PANSSS T ETPSNL
5010	P80192	1080	GQSQDS T VPLCRA
5011	P82979	81	EEPPEK T VDVAEE
5012	P82979	100	TSEIPQ T ERMQKR
5013	P82979	134	GISSVP T KGLSSD
5014	P82979	192	SSAGTG T TEDTEA
5015	P84090	11	ILLVQP T KRPEGR
5016	P84090	18	KRPEGR T YADYES
5017	P84090	76	LVYRAD T QTYQPY
5018	P84090	78	YRADTQ T YQPYNK
5019	P98161	1418	YTWDFG T EEAAPT
5020	P98161	2322	GPRGS T VTIPRE
5021	P98161	2582	EPNGSAT T GLTVWL
5022	P98161	3080	NYIVML T CAVCLV
5023	P98170	135	LDRPSE T HADYLL
5024	P98170	369	TRRIDDB T IFQNPM
5025	P98170	429	QDESSQ T SLQKEI
5026	P98170	470	PCGHLV T CKQCAE
5027	P98177	60	LGEKVH T EGRSEP
5028	P98177	123	APEKRL T LAQIYE
5029	P98177	134	YEWVVR T VPYFKD

5030	P98177	172	KVHNEAT T GKSSWW
5031	P98177	227	APPEGAT T PTSPVG
5032	P98177	254	EEADMW T TFRPRS
5033	P98177	255	EADMW T TFRPRSS
5034	P98177	313	LDGLNL T SSHSL
5035	P98177	340	VTGPLH T YSSSLF
5036	P98177	384	PADVLM T QVDPIL
5037	P98177	395	ILSQAP T LLLLGG
5038	P98177	455	LGTPVL T PPTEAA
5039	P98179	43	VVKDRE T QSRGF
5040	P98179	53	RGFGFI T FTNPEH
5041	P98179	55	FGFIT T FNPEHAS
5042	P98179	89	GKSARG T RGGGFG
5043	P99999	20	KCSQCH T VEKGGK
5044	P99999	29	KGGKHK T GPNLHG
5045	P99999	41	GLFGRK T GQAPGY
5046	P99999	79	KKYIPG T KMIFVG
5047	Q00059	77	QNPDAK T TELIRR
5048	Q00059	78	NPDAK T TELIRRI
5049	Q00059	144	LKRKAM T KKKELT
5050	Q00059	209	HAKED T RYHNEM
5051	Q00341	201	QIKITG T KEGIEK
5052	Q00341	271	RTEIVF T GEKEQL
5053	Q00341	295	EEKKK T TTIAVE
5054	Q00341	340	SDSISE T VILRGE
5055	Q00534	84	RLFDV T VSRTDR
5056	Q00534	88	VCTVSR T DRETKL
5057	Q00534	92	SRTDRE T KLTLVF
5058	Q00534	95	DRETKL T LVFEHV
5059	Q00534	106	HVDQDL T TYLDKV
5060	Q00534	119	PEPGVP T ETIKDM
5061	Q00534	121	PGVPT T ETIKDMMF
5062	Q00534	154	PQNILV T SSGQIK
5063	Q00534	182	LTSVV T LWYRAP
5064	Q00534	198	LQSSY T PPVDLWS
5065	Q00534	267	PIEKFV T DIDELG
5066	Q00534	282	LLLKCL T FNPAKR
5067	Q00536	24	GRGIDK T NGAPEQ
5068	Q00536	164	GFGKLE T YIKLDK
5069	Q00536	385	GTPTE T WPGILS
5070	Q00536	424	DGADLL T KLLQFE
5071	Q00610	214	GNAEES T LFCFAV
5072	Q00610	473	VKSVD T LALSVY
5073	Q00610	1031	QNLLIL T AIKADR
5074	Q00610	1250	ARKANS T RTWKEV
5075	Q00613	24	FLTKLW T LVSDPD
5076	Q00613	31	LVSDPD T DALICW
5077	Q00613	97	KPERDD T EFQHPC
5078	Q00613	120	NIKRKV T SVSTLK
5079	Q00613	138	IRQDSV T KLLTDV
5080	Q00613	269	PIISDI T ELAPAS
5081	Q00613	346	PAPASV T ALT D AR
5082	Q00613	349	ASVTAL T DARGHT
5083	Q00613	367	PPSPPP T STPEKC
5084	Q00613	423	LFSPSV T VPDMSL
5085	Q00613	511	GFAEDP T ISLLTG
5086	Q00613	516	PTISLL T GSEPPK
5087	Q00653	79	GRKTY T PKICNY

5088	Q00653	279	FGDFSPTDVHKQY
5089	Q00653	636	ERQGGRTALHLAT
5090	Q00653	651	EELGLVTHLVTKL
5091	Q00839	168	QPQPPATQQQQPQ
5092	Q00839	367	IGWSLTTSGMLLG
5093	Q00839	515	GKTTWVTKHAAEN
5094	Q00839	653	ECFDEITYVELQK
5095	Q00987	16	TDGAVTTSQIPAS
5096	Q00987	49	AQKDTYTMKEVLF
5097	Q00987	63	LGQYIMTKRLYDE
5098	Q00987	158	LVSRRPSTSSRRRA
5099	Q00987	216	SSSSESTGTSPSNP
5100	Q00987	218	SSESTGTSPSNPDL
5101	Q00987	288	QAGESDTSDFEED
5102	Q00987	306	ADYWKCTSCNEMN
5103	Q00987	351	AKLENSTQAEEGF
5104	Q00987	365	VPDCKKTIIVNSR
5105	Q00987	399	DYSQPSTSSSIY
5106	Q00987	463	HLMACFTCAKKLK
5107	Q01081	11	LASIFGTEKDKVN
5108	Q01081	41	RLHNKPTFSQTIA
5109	Q01081	45	KPTFSQTIALJNI
5110	Q01081	148	AELSPVTDFREAC
5111	Q01094	171	RRIYDITNVLEGI
5112	Q01094	195	QWLGSHTTVGVGG
5113	Q01094	302	FLCPEETVGGISP
5114	Q01094	344	PPSSLTTDPSQSL
5115	Q01130	14	PDVEGMTSLKVDN
5116	Q01130	25	DNLTyrTSPDTLR
5117	Q01130	29	YRTSPDTLRRVFE
5118	Q01130	51	IPRDRYTKESRGF
5119	Q01469	59	TIKTESTLKTTQF
5120	Q01469	63	ESTLKTTQFCTL
5121	Q01469	83	TADGRKTQTVCNF
5122	Q01469	126	CVMNNVTCTRIYE
5123	Q01518	203	IKEFHTTGLAWSK
5124	Q01518	307	SAPKPQTSPSPKR
5125	Q01518	407	VMGKVPITISINKT
5126	Q01518	443	MNVLIPTTEGGDFN
5127	Q01804	179	YEKVFKTDVSKIV
5128	Q01804	213	DSCKSKTAAAAAD
5129	Q01804	636	VSQAHLTPSPVPV
5130	Q01804	974	LNRRERETVPVELE
5131	Q01826	478	PQVKTATIATERN
5132	Q01826	481	KTATIATERNGKP
5133	Q01826	677	DEEAIQTLSAQLD
5134	Q01826	755	LSVEGNTDINTDL
5135	Q01844	101	TGAYDTTTATVTT
5136	Q01844	104	YDTTATVTTTQA
5137	Q01844	108	TATVTTTQASYAA
5138	Q01844	193	PPSYPPTSYSSTQ
5139	Q01860	34	GWVDPRTWLSFQG
5140	Q01860	92	PQGGLETSQPEGE
5141	Q01860	116	ASPEPCTVTPGAV
5142	Q01860	159	LKQKRITLGYTQA
5143	Q01860	163	RITLGYTQADVGL
5144	Q01860	182	GKVFSQTTICRFE
5145	Q01860	183	KVFSQTTICRFEA

5146	Q01860	225	EICKAET TL VQARK
5147	Q01860	256	LQCPKP TL QQISH
5148	Q01860	331	YGSPHF TAL YSSV
5149	Q01860	351	FPPVSV TTL GSPM
5150	Q01860	352	PPVSV TTL GSPMH
5151	Q01954	176	FLRFGE TKS IVEL
5152	Q01954	444	YKCPGF TVT SPDC
5153	Q01954	497	FYRSPAT TPA EVAN
5154	Q01954	624	SGAISQ TPE QATH
5155	Q01974	127	RIQDL DT DTGY
5156	Q01974	143	ATNGMK TI TATGV
5157	Q01974	147	MKTITAT TV LFVR
5158	Q01974	215	AFTMIG TS THLSD
5159	Q02156	21	AVSLKP TA WSLRH
5160	Q02156	35	VGPRPQ TF LLDPY
5161	Q02156	60	TATKQK TNS PAWH
5162	Q02156	71	WHDEFV TD VCNGR
5163	Q02156	175	GHKFMAT TY LRQPT
5164	Q02156	181	TYLRQ PTY CSHCR
5165	Q02156	205	YQCQV TC VVHKR
5166	Q02156	218	CHELI ITK CAGLK
5167	Q02156	314	VTPDK ITNS GQRR
5168	Q02156	453	DDDVD CTM TEKRI
5169	Q02156	563	GILNGV TTTT FCG
5170	Q02156	691	FKPRIK TKR DVNN
5171	Q02388	225	AGGVPV TR PPDDS
5172	Q02388	232	RPPDD STS APRDL
5173	Q02388	512	LPVSPV TD LQATE
5174	Q02388	949	GPSAEV TAR TESP
5175	Q02447	118	LSATPT TIK DEAG
5176	Q02447	189	QVQIG FTG SSDNG
5177	Q02447	494	TLTPVQ TL TLGQV
5178	Q02447	601	LRRVAC TC PNCKE
5179	Q02763	237	GVCHED TGE CICP
5180	Q02763	349	EGIQR MT PKIVDL
5181	Q02763	1017	NYSVYT TNS SDVWS
5182	Q02763	1043	TPYCG MT CAELYE
5183	Q02790	58	RVFVHY TG WLLDG
5184	Q02790	65	GWLLDG TKF DSSL
5185	Q02790	106	GEVCHI TKC PEYA
5186	Q02790	156	IIRRIQ TR GEGYA
5187	Q02818	39	APNKE TP PATESP
5188	Q02818	42	KEETP ATES PDTG
5189	Q02818	47	ATESPD TGL YYHR
5190	Q02818	160	LELLIQ TAT RDLA
5191	Q02818	162	LLIQ TAT RDLAQY
5192	Q02818	247	NRFNPK TF FILHD
5193	Q02818	270	ELEAL FTK ELEKV
5194	Q02818	313	NQDRLV TL EEFLA
5195	Q02818	335	TGEGWE TV EMHPA
5196	Q02818	343	EMHPAY TEE ELRR
5197	Q02818	372	QRLSQ ETE ALGRS
5198	Q02818	426	LKFHPD TD DVPVP
5199	Q02978	103	TRLGIY TV LFERL
5200	Q02978	128	KAVIG MT AGATGA
5201	Q02978	245	PVDIAK TRI QNMR
5202	Q02978	283	SLWKGF TP YYARL
5203	Q03135	15	SEGHLY TV PIREQ

5204	Q03135	46	QVYDAH T KEIDLV
5205	Q03135	90	IWKAS F T TFTVTK
5206	Q03135	93	AS F T T F T VTKYWF
5207	Q03393	67	GEIDPA T GMVMNL
5208	Q03393	106	FADV V S T TENVAV
5209	Q03393	107	ADV V S T TENVAVY
5210	Q03393	135	KVKV Y E T DNNIVV
5211	Q03468	513	LFKY Q Q T GVRWLW
5212	Q03468	575	TVIV C P T T VMHQW
5213	Q03468	587	WVKE F H T WWPPFR
5214	Q03468	1111	DRLGE E T NAVSGP
5215	Q03721	53	HETY R S T LR T LPG
5216	Q03721	138	FWGID E T DVEPCC
5217	Q03721	435	WAV V T M T T LG Y GD
5218	Q03721	594	ACFLL S T GDYACA
5219	Q04206	54	GER S T D T T KT H PT
5220	Q04206	55	ER S T D T T KT H PTI
5221	Q04206	60	T T K T H P T I K I N G Y
5222	Q04206	67	I K I N G Y T G P G T V R
5223	Q04206	164	RLC F Q V T V R D P S G
5224	Q04206	229	DIE V Y F T G P G W E A
5225	Q04206	352	PQ P Y P F T S S L S T I
5226	Q04206	357	F T S S L S T I N Y D E F
5227	Q04206	365	N Y D E F P T M V F P S G
5228	Q04206	429	PPAP K P T Q A G E T
5229	Q04206	488	IPVAP H T T E P M L M
5230	Q04206	501	EY P E A I T R L V T G A
5231	Q04323	65	ILGRE P T S S E Q G G
5232	Q04323	224	VRL P D G T S L T Q T F
5233	Q04323	227	PDG T S L T Q T F R A R
5234	Q04323	229	GT S L T Q T F R A R E Q
5235	Q04637	207	RTAS T P T P P Q T G G
5236	Q04637	834	PTTE K P T V T V N F R
5237	Q04637	912	FKLK M L T E A I M H D
5238	Q04637	1119	ARPAT S T L N R F S A
5239	Q04759	51	YIQ K K P T M Y P P W D
5240	Q04759	85	VDL I S E T T V E L Y S
5241	Q04759	86	DL I S E T T V E L Y S L
5242	Q04759	103	RKN N G K T E I W L E L
5243	Q04759	128	FLEM S D T K D M N E F
5244	Q04759	163	VK C H E F T A T F F P Q
5245	Q04759	165	C H E F T A T F F P Q P T
5246	Q04759	210	KVIA K C T G S A I N S
5247	Q04759	250	FCE H C G T L L W G L A
5248	Q04759	275	VHH R C Q T K V A N L C
5249	Q04759	307	ARCL R D T E Q I F R E
5250	Q04759	402	LAE F K K T N Q F F A I
5251	Q04760	12	PPSG G L T D E A A L S
5252	Q04760	27	SDAD P S T K D F L L Q
5253	Q04760	35	D F L L Q Q T M L R V K D
5254	Q04760	50	KSL D F Y T R V L G M T
5255	Q04760	56	TRV L G M T L I Q K C D
5256	Q04760	98	ALSR K A T L E L T H N
5257	Q04760	102	KAT L E L T H N W G T E
5258	Q04760	112	GTED D E T Q S Y H N G
5259	Q04864	41	IPGE H S T D N N R T Y
5260	Q04864	121	VKEA I I T R I K A G I
5261	Q04864	254	PYCKA I T E P V T V K

5262	Q04864	425	TPRSGN T NPLSSF
5263	Q04912	93	SVQSLA T GPA GDP
5264	Q04912	352	LFGVFV T GKDGGP
5265	Q04912	1002	LASLDQ T AGATPL
5266	Q04912	1120	KSLSR I TEMQQVE
5267	Q05066	48	SKYQCE T GENSKG
5268	Q05066	102	YQWKML T EAEKWP
5269	Q05066	169	LYRDDC T KATHSR
5270	Q05066	172	DDCTKA T HSRMEH
5271	Q05086	254	SNEK I ETAFNLAL
5272	Q05086	471	TFFKV E TENKFSF
5273	Q05086	591	PDIGM F TYDESTK
5274	Q05086	839	DTERLP T SHTCFN
5275	Q05209	106	PKAYVA T QGPLAN
5276	Q05209	238	SAGCGR T GAICAI
5277	Q05209	587	LVDHDN T SPLFRT
5278	Q05209	593	TSPLFR T PLSFTN
5279	Q05315	16	EAASLS T GSTVTI
5280	Q05315	21	STGSTV T IKGRPL
5281	Q05315	111	NGQSSY T FDHRIK
5282	Q05315	133	WRDISL T KFNVSY
5283	Q05397	138	GFLNQ F TEDKPTL
5284	Q05397	678	LKAQLS T ILEEEK
5285	Q05397	929	KVYENV T GLVKAV
5286	Q05397	963	VGLALR T LLATVD
5287	Q05655	38	MKEALS T ERGKTL
5288	Q05655	170	TFFGQ P TFCSVCK
5289	Q05655	209	KIIGR C TGTAANS
5290	Q05655	242	HNYMS P TFCDHCG
5291	Q05655	295	EALNQV T QRASRR
5292	Q05655	333	MQDNSG T YGKIWE
5293	Q05655	526	LQGLKY T FSVDWW
5294	Q05655	564	ESIRVD T PHYPRW
5295	Q05655	572	HYPRW I TKESKDI
5296	Q05655	594	TKRLGV T GNIKIH
5297	Q05655	605	IHPFF K TINWTLL
5298	Q05655	609	FKTINW T LLEKRR
5299	Q05707	267	KIGILI T DGKSQD
5300	Q05707	497	KIGETH T DIELSG
5301	Q05707	620	PLTGV F TTEEVPA
5302	Q05707	1274	ALVSQ P TRYLHPE
5303	Q06187	339	HYVVC S TPQSQYY
5304	Q06187	474	RPIFI I TEYMANG
5305	Q06187	495	MRHRF Q TQQLLEM
5306	Q06187	602	MPYER F TNSETAE
5307	Q06413	9	RKKIQ I TRIMDER
5308	Q06413	51	LIIFNS T NKLFQY
5309	Q06413	60	LFQYAS T DMDKVL
5310	Q06413	70	KVLLKY T EYNEPH
5311	Q06413	80	EPHESR T NSDIVE
5312	Q06413	187	SMSPGV T HRPPSA
5313	Q06413	205	LMGGDL T SAGATS
5314	Q06413	210	LTSGAG T SAGNGY
5315	Q06413	317	YPSAIS T TYGTEY
5316	Q06413	402	SPPRDR T TTPSRY
5317	Q06413	403	PPRDR T TTPSRYP
5318	Q06413	450	HSPIGL T RPSPDE
5319	Q06481	168	NHQHWH T VVKEAC

5320	Q06481	242	YKSEFP TE ADLED
5321	Q06481	303	MSDKEI TH DVKAV
5322	Q06481	582	TASISE TP VDVRV
5323	Q06609	87	LVPMGF TT ATEFH
5324	Q06609	88	VPMGF TT ATEFHQ
5325	Q06609	90	MGFT TT ATEFHQRR
5326	Q06609	119	LQGGIE TS GITEM
5327	Q06609	123	IETGS IT EMFGEF
5328	Q06609	134	EFRTGK TQ ICHTL
5329	Q06609	139	KTQICH TL AVTCQ
5330	Q06609	143	CHTLAV TC QLPID
5331	Q06609	165	YIDTEG TF RPERL
5332	Q06609	201	FNTDHQ TQ LLYQA
5333	Q06609	225	LIVDSAT AL YRTD
5334	Q06609	266	GVAVVI TN QVVAQ
5335	Q06787	108	TYNEIV TI ERLRS
5336	Q06787	371	FSQPN STK VQRVL
5337	Q06787	414	DSIANAT TV LLDYH
5338	Q06787	489	RRGPGY TS GTNSE
5339	Q06828	49	DPYPYE TY EPYPY
5340	Q06828	129	GVFDNAT TG LLWIA
5341	Q06828	289	NGLASN TF NSSSL
5342	Q06828	313	KIPPVN TN LENLY
5343	Q06830	18	APNFKAT AV MPDG
5344	Q06830	49	FYPLDF TF VCPTE
5345	Q06830	54	FTFVC PT EIIAFS
5346	Q06830	111	VSDPKR RT IAQDYG
5347	Q06830	143	GILRQI TV NDLPV
5348	Q06830	156	GRSVDE TL RLVQA
5349	Q06830	166	VQAFQ FTD KHGEV
5350	Q06830	183	WKPGSD TI KPDVQ
5351	Q07065	186	QHKQDL TE KAVKQ
5352	Q07065	313	MEALRS TL QTMES
5353	Q07065	512	VQEQVH TL LSQDQ
5354	Q07065	555	DLKMLR TA VDSLV
5355	Q07666	33	HPSVRQ TP SRQPP
5356	Q07666	77	ATGPDAT TV GGPAP
5357	Q07666	191	KRLQE ETG AKISV
5358	Q07666	324	PVRGAI TR GATVT
5359	Q07817	35	DVEENR TE APEGT
5360	Q07817	41	TEAPEG TE SEMET
5361	Q07817	109	RAFSDL TS QLHIT
5362	Q07817	118	LHITPG TAY QSFE
5363	Q07820	29	AGSGGAT TR PGGRL
5364	Q07820	38	GGRL LA TEKEASA
5365	Q07820	68	GASPP ST LT PDSR
5366	Q07820	70	SPP STL TPDSRRV
5367	Q07820	90	AEVPDV TAT PARL
5368	Q07820	92	VPDVTAT PAR LLF
5369	Q07820	102	LLFFAP TR RAAPL
5370	Q07820	191	YLREQAT GAK DTK
5371	Q07820	212	SRKALE TL RRVGD
5372	Q07820	259	VFSDGV TN WGRIV
5373	Q07820	280	VAKHLK TI NQESC
5374	Q07820	301	TDVLVR TK RDWL
5375	Q07866	127	RDELAN TQ QKLQK
5376	Q07866	215	IPARLR TL HNLVI
5377	Q07866	402	KFKQAE TL YKEIL

5378	Q07866	464	VDSPTV T TTLKNL
5379	Q07912	262	RNLLLA T RDLVKI
5380	Q07912	325	TLWEMF T YGQEPW
5381	Q07912	432	RGQNTR T LCVGPF
5382	Q07912	886	QSPEEP T PLPVPL
5383	Q07954	804	QQQQVG T NKCRVN
5384	Q07954	1790	SQLGKA T ALAIMG
5385	Q07954	2898	PKNPHC T SQEHKC
5386	Q07954	3833	ECLRFG T CSQLCN
5387	Q07955	29	LPPDIR T KDIEDV
5388	Q07955	95	PRSGRG T GRGGGG
5389	Q07955	157	DVYRDG T GVVEFV
5390	Q07955	187	RSHEGE T AYIRVK
5391	Q08050	69	KIINHPT T MPNTQV
5392	Q08050	73	HPTMPN T QVVAIP
5393	Q08050	89	NIHSII T ALTAKG
5394	Q08050	127	LRPQTQ T SYDAKR
5395	Q08050	137	AKRTEV T LETLGP
5396	Q08050	166	CEQKRE T CADGEA
5397	Q08050	252	QFAINST T ERKRMT
5398	Q08050	258	TERKRM T LKDIYT
5399	Q08050	264	TLKDIY T WIEDHF
5400	Q08050	319	SANRYL T LDQVFK
5401	Q08050	354	ELRRNM T IKTELP
5402	Q08050	605	KTPIKE T LPI SST
5403	Q08188	97	SNGNTL T ISISSP
5404	Q08188	168	IIFVG T NRIGMI
5405	Q08188	425	IGRYIS T KAVGSN
5406	Q08188	512	KNLSRD T KTVTVN
5407	Q08345	57	SSWSD T AARHSR
5408	Q08345	379	SPALGG T FPPAPW
5409	Q08345	538	PAWAKP T NTQAYS
5410	Q08345	832	VWAFGV T LWEVLM
5411	Q08426	27	VNAIST T LLRDIK
5412	Q08426	366	GPKPRL T SSVKEL
5413	Q08426	458	SPTTIA T VMNLSK
5414	Q08426	548	PTLLPG T PARKRG
5415	Q08431	56	FPSYTC T CLKGYA
5416	Q08431	210	YVRLYP T SCHTAC
5417	Q08431	247	IPDKQI T ASSSYK
5418	Q08431	304	EVTGII T QGARNF
5419	Q08495	159	VGGSPQ T KHLIED
5420	Q08495	203	SLAVVE T EWKRKR
5421	Q08495	267	LPIRRK T RS LPDR
5422	Q08495	356	VTNKGR T KLPPGV
5423	Q08722	44	VIPCFV T NMEAQN
5424	Q08722	120	CEVTEL T REGETI
5425	Q08722	176	GGMDEK T IAL LVA
5426	Q08722	208	YSLKNAT T GLGLIV
5427	Q08945	91	LSDFFK T HYRLEL
5428	Q08945	170	RFYVPP T QEDGVD
5429	Q08945	385	FARGTT T TRSFDF
5430	Q08945	386	ARGTTT T RSFDFE
5431	Q08999	319	GKEENL T GFLEPG
5432	Q08999	647	LTPRRV T EV RADT
5433	Q08999	664	RSITSPT T LYDRY
5434	Q08999	665	SITSPT T LYDRYS
5435	Q08999	678	SPPAST T RRRLFV

5436	Q08999	720	GETVSV TP VPGQT
5437	Q08999	729	PGQTLV TM ATATV
5438	Q08999	732	TLVTMA TA TVTAN
5439	Q08999	736	MATATV TAN NGQT
5440	Q08999	758	NENGGI TF FPVQV
5441	Q08999	991	PTPTRL TG ANSDM
5442	Q08999	1019	YIKQIK TF FAMKYS
5443	Q08J23	362	KWMPGI TQ WKVMT
5444	Q08J23	368	TQWKVM TK DGQWF
5445	Q08J23	583	KMKVIN TG IKVWC
5446	Q08J23	755	ANSPDV TA GCDPA
5447	Q09028	37	LYDLVM TH ALEWP
5448	Q09028	72	LVLGTH TS DEQNH
5449	Q09028	155	VLVFDY TK HPSKP
5450	Q09028	201	SASDDH TI CLWDI
5451	Q09161	209	LKRRQK TH VPMQLQ
5452	Q09161	277	FTPPPH TE DSVYP
5453	Q09161	331	HWKERK TC AAQLV
5454	Q09161	395	QVLAQA TE MLYMR
5455	Q09161	408	LDTMNT TC VDRFI
5456	Q09161	472	LDIVPP TF SALCP
5457	Q09161	513	AFKSKA TN DEIFS
5458	Q09161	550	IEVQVQ TL LHLAA
5459	Q09161	611	VDKMIR TQ IVDCA
5460	Q09161	737	DGTSVL TP WYKNC
5461	Q09161	764	IQQYMV TL ENLLF
5462	Q09161	771	LENLLF TA ELDPH
5463	Q0VD86	53	NLNQR PT PTWLEE
5464	Q0VD86	55	NQRPT PT WLEEQH
5465	Q0VD86	69	PPMLRA TG CSQLG
5466	Q0VD86	117	ARVRAV TY HLEDL
5467	Q0VD86	160	GCGFP ST NEYPDL
5468	Q0VD86	172	LEEERAT TY PQED
5469	Q0VD86	215	SLASF ST VTARRN
5470	Q0VD86	217	ASFSTV TA ARNPL
5471	Q12778	170	SYADLI TK AISS
5472	Q12778	231	RVQNEG TG KSSWW
5473	Q12778	323	TSSNAST TI SGRLS
5474	Q12778	385	NLLSS PT SLTVST
5475	Q12778	397	TQSSPG TMM QQTP
5476	Q12778	412	SFAPPN TS LNSPS
5477	Q12778	425	PNYQKY TY GQSSM
5478	Q12778	467	LLKELL TS DSPPH
5479	Q12778	478	PHNDIM TP VDPGV
5480	Q12778	506	PNSVM ST YGSQAS
5481	Q12778	627	DLMDGD TL DFNFD
5482	Q12778	647	FPHSVK TT THSWV
5483	Q12792	104	KMLYA AT RATLKK
5484	Q12792	107	YAATRA TL KKEFG
5485	Q12792	148	SSPAPL TA AEEL
5486	Q12792	217	IIILAN TT NTELK
5487	Q12834	55	SHSAGR TP GRTPG
5488	Q12834	69	SSSKVQ TP PSKPG
5489	Q12834	245	NYLAVG TS SAEVQ
5490	Q12834	265	KRLRN MT SHSARV
5491	Q12834	304	AEHHVA TL SGHSQ
5492	Q12834	352	VPLQT FT QHQA
5493	Q12834	373	QSNVLA TG GGTSD

5494	Q12834	377	LATGGG T SDRHIR
5495	Q12834	432	VIWKYP T MAKVAE
5496	Q12834	443	AELKGH T SRVLSL
5497	Q12834	450	SRVLSL T MSPDGA
5498	Q12834	457	MSPDGA T VASAAA
5499	Q12841	72	CGSNGK T YLNHCE
5500	Q12841	182	ETAINI T TYPDQE
5501	Q12841	263	CGNWVC T AMTCDG
5502	Q12841	284	QTEEM T RYVQEL
5503	Q12866	45	FPGSLQ T DHTPLL
5504	Q12866	75	QPGRPH T GNVAIP
5505	Q12866	563	RRAIEL T LHSLGV
5506	Q12866	681	KYGDLH T YLLYSR
5507	Q12874	233	PGWPK T SSALTH
5508	Q12874	288	AQRLF T KGKSLE
5509	Q12874	314	KGTKRD T ERNKDI
5510	Q12874	341	GEQRHL T HENVQR
5511	Q12888	205	TTNSGY T RLSDVD
5512	Q12888	338	ASTPAT T LHLLQL
5513	Q12888	434	VSPQAS T PISQST
5514	Q12888	519	CKLML T SEYSQS
5515	Q12888	591	KTKGDD T DTRDDI
5516	Q12888	620	DVCIDL T CDSGSQ
5517	Q12888	919	DIIPPL T GATPPL
5518	Q12888	1012	NLEKPAT T GERKNG
5519	Q12888	1020	ERKNG T AVAESV
5520	Q12888	1198	QDATVQ T ERGSGE
5521	Q12888	1273	RKVTE T EPIVE
5522	Q12888	1812	ADQHCR T RKYFLC
5523	Q12906	38	QNMVSH T ERALKA
5524	Q12906	88	TEHMTR T LRGVMR
5525	Q12906	140	IQLAAV T EDKYEI
5526	Q12906	160	AIVIK T KEPPLS
5527	Q12906	172	SLTIHL T SPVRE
5528	Q12906	261	CEKSIG T ANRPMG
5529	Q12906	356	ENPVDY T VQIPPS
5530	Q12906	364	QIPPST T YAITPM
5531	Q12906	452	SGPSKK T AKLHVA
5532	Q12906	469	QDMGLP T GAERD
5533	Q12906	547	YELISE T GGSHDK
5534	Q12906	683	YGGNSA T AGYSQF
5535	Q12933	26	SKTLLG T KLEAKY
5536	Q12933	113	CPSDGC T WKGTK
5537	Q12933	134	RCPLML T ECPACK
5538	Q12933	188	CPKFPL T CDGCGK
5539	Q12933	226	AIGCLE T VEGEKQ
5540	Q12933	279	ESLEKK T ATFENI
5541	Q12933	281	LEKKT T ATFENIVC
5542	Q12933	299	VERVAM T AACSR
5543	Q12933	349	LEMEAS T YDGVFI
5544	Q12933	383	FSPAFY T SRYGYK
5545	Q12933	401	YLNKG T GRGTHL
5546	Q12933	405	DGTGRG T HLSLFF
5547	Q12962	114	KPVVSS T PLVDFL
5548	Q12962	129	LEDYTP T IPDAVT
5549	Q12962	179	HCKMKG T ASGSSR
5550	Q12962	194	SKDRKY T LTMEDL
5551	Q12968	114	CPSIQ T ISISPNC

5552	Q12968	837	LFQQDATLSGLVN
5553	Q12968	869	GHLLAHTPHSVHT
5554	Q12968	1032	IGLQDITLDDVNE
5555	Q12972	114	QIPIDSTVSFGAS
5556	Q12972	125	ASTRAYTLREKPQ
5557	Q12972	167	TELDNLTEFNTAH
5558	Q12972	179	HNKRISTLTIEEG
5559	Q13002	380	RITFNKTNGLRTD
5560	Q13002	535	FSKPFMTLGISIL
5561	Q13002	730	GIQRVLTSDYAFI
5562	Q13002	753	QRNCNLQIGGLI
5563	Q13042	147	DALDNRTLATYSY
5564	Q13042	171	EAFDLLTSHHMLT
5565	Q13042	177	TSHHMLTAQEEKE
5566	Q13042	218	YNKPSETVIPESV
5567	Q13042	274	LPVHIGTLVELNK
5568	Q13042	328	YLSKATTLKTYG
5569	Q13042	332	ATTLEKTYGPAWI
5570	Q13042	381	GLEYGLTNNSKLA
5571	Q13042	481	IPQNASTYSAIGY
5572	Q13042	504	AVDYFHTALGLRR
5573	Q13042	513	GLRRDDTFSVTML
5574	Q13042	517	DDTFSVTMLGHCI
5575	Q13045	43	WLKLNRTGLCYLP
5576	Q13045	151	QLFINLTDLLYLD
5577	Q13045	273	QWVHVETLNLARN
5578	Q13045	282	LSRNQLTSLPSAI
5579	Q13045	317	SGIGKLTNLEEFM
5580	Q13045	619	EDTHYVTRMYRVY
5581	Q13045	665	WRGAQATLSSTTK
5582	Q13045	670	ATLSSTTKARLFA
5583	Q13045	826	SRSLEGTEAQVFK
5584	Q13045	847	VLTVDYTRNAEAV
5585	Q13045	999	SNMGWLTFTFSLQ
5586	Q13045	1255	NEQHAFTRCFHAW
5587	Q13049	300	AVKKPRTVNVEDS
5588	Q13049	312	SWAMEATASAAS
5589	Q13049	520	VRPKFVTCDAEGT
5590	Q13049	526	TCDAEGTVYFTQG
5591	Q13085	888	VERLMKTLRDPSL
5592	Q13085	1196	NRGNIPTLNRMSF
5593	Q13085	1480	FLNFVPTVIMDPS
5594	Q13085	1970	MQPWAQTVVVGRA
5595	Q13098	85	LSFVQRTFNVDMY
5596	Q13098	128	EPPALDTAWVEAT
5597	Q13098	134	TAWVEATRKKALL
5598	Q13098	147	KLEKLDTDLKNYK
5599	Q13098	193	RARDYCTSAKHVI
5600	Q13098	242	GERDSQTQAILTK
5601	Q13098	364	LAPHVRTLYTQIR
5602	Q13098	367	HVRTLYTQIRNRA
5603	Q13098	395	MAAAFNTTVAAL
5604	Q13098	396	AAAFNTTVAAL
5605	Q13098	405	ALEDELTLQILEG
5606	Q13098	434	DVDQRSTTFEKS
5607	Q13115	123	SLREDSTVSLVVQ
5608	Q13115	188	GCSSCGTPLHDQ
5609	Q13115	289	GISRSATICLAYL

5610	Q13115	359	RGKTPA T PTSQFV
5611	Q13153	22	PMRNTS T MIGAGS
5612	Q13153	167	VKAVSE T PAVPPV
5613	Q13153	197	APRPEH T KSVYTR
5614	Q13153	214	PLPVT P TRDVATS
5615	Q13153	225	TSPISE T ENNTTP
5616	Q13153	229	SPTENN T TPPDAL
5617	Q13153	236	TPPDAL T RNTEKQ
5618	Q13153	239	DALTRN T EKQKKK
5619	Q13153	286	ASGTVY T AMDVAT
5620	Q13153	292	TAMDVAT G QEVAI
5621	Q13153	359	TDVVTE T CMDEGQ
5622	Q13153	481	LIATNG T PELQNP
5623	Q13158	21	LSSSEL T ELKFLC
5624	Q13158	124	QLKVSD T KIDSIE
5625	Q13158	138	RYPRNL T ERVRES
5626	Q13158	151	LRIWKN T EKENAT
5627	Q13163	32	SGAVDW T VHSGPQ
5628	Q13163	56	QVLPEAT T TAFEY
5629	Q13163	57	VLPEAT T TAFEYE
5630	Q13163	58	LPEAT T TAFEYED
5631	Q13163	71	EDGDRI T VRSEEE
5632	Q13163	88	LSYYYS T VMEQQV
5633	Q13163	171	DIRYRD T LGHGNG
5634	Q13163	202	VILLDI T LELQKQ
5635	Q13163	241	NRISIC T EFMDGG
5636	Q13163	293	SNMLVN T RGQVKL
5637	Q13163	306	CDFGV S TQLVNSI
5638	Q13163	397	PFVHF I TQCMRKQ
5639	Q13164	219	EHQYFM T EYVATR
5640	Q13164	448	PGPAPD T IDLTQ
5641	Q13164	509	EPRKP V TAQERQR
5642	Q13164	596	APAPT P TPTPVQP
5643	Q13188	20	LSEDSL T KQPEEV
5644	Q13188	93	GSYFKN T DLWIVM
5645	Q13188	125	IEDEIA T ILKSTL
5646	Q13188	130	ATILKS T LKLEY
5647	Q13188	156	GNILLN T EGHAKL
5648	Q13188	172	GVAGQL T DTMAKR
5649	Q13188	174	AGQLTD T MAKRNT
5650	Q13188	292	ILRDL I TEAMEIK
5651	Q13188	329	SHTMV K TSVESVG
5652	Q13188	356	MIEHNS T MLES DL
5653	Q13188	364	LES DLG T MVINSE
5654	Q13188	471	ELRQRY T AKRQPI
5655	Q13191	174	GDNFR I TKADAAE
5656	Q13191	219	AMALK S TIDLTCN
5657	Q13191	398	MCTSC L TAWQESD
5658	Q13191	885	NVKTNR T SQDYDQ
5659	Q13217	8	VAPGS V TSRLGSV
5660	Q13217	105	QLKMD F TAARLQR
5661	Q13217	297	YESVM K TEPSIAE
5662	Q13217	305	PSIAEY T VRSEER
5663	Q13247	96	GYSSR R TSGRDKY
5664	Q13247	137	RQAGE V TYADAHK
5665	Q13247	185	IEDKPR T SHRRSY
5666	Q13247	323	PPPKR A TSRSRSR
5667	Q13257	56	GLTLL V TTDLELI

5668	Q13257	136	SVIRQITATVTFL
5669	Q13257	140	QITATVTFLPLLE
5670	Q13257	157	FDLLIYTDKDLVV
5671	Q13263	191	KYTKDHTVRSTGP
5672	Q13263	228	ESCDTLTCRDCQL
5673	Q13263	321	NDAQKVTEGQQR
5674	Q13263	728	QLATDSTFSLDQP
5675	Q13283	162	PEERQQTPEVVPD
5676	Q13283	222	EPVLEETAPEDAQ
5677	Q13283	248	VQEDLRTFSWASV
5678	Q13283	268	SGAVPVTGIPPHV
5679	Q13285	29	YHYGLLTCESCKG
5680	Q13285	75	RFQKCLTVGMRLE
5681	Q13285	327	GSILLVTGQEVEL
5682	Q13285	405	AALLDYTLCHYPH
5683	Q13303	86	GINLFDTAEVYAA
5684	Q13303	164	NRDPNTPMEETV
5685	Q13303	208	ARQFNLTPPICEQ
5686	Q13303	302	AERLGCTLPQLAI
5687	Q13309	21	NVATSFTWGDSS
5688	Q13309	250	SEFALQTLSSCS
5689	Q13309	284	VAHVSETITQLNL
5690	Q13309	375	GIVPDGTLQLLKE
5691	Q13310	147	AFVHFETQEAADK
5692	Q13310	217	FSQFGKTLVKVM
5693	Q13310	347	SSPEEATKAVTEM
5694	Q13310	461	QSGPRPTLRHLAP
5695	Q13315	664	DKMDFLTIVRECG
5696	Q13315	1840	KTDFCQTVLPYLI
5697	Q13315	2348	GNWLAETCLENPA
5698	Q13315	2556	MDHPHHTLFIIILA
5699	Q13322	76	CSMQSDTVPLLQN
5700	Q13322	132	EDQQFRTSSLPAI
5701	Q13322	178	VFSEDGTSKVVEI
5702	Q13322	210	VDDNSWTLVEHHP
5703	Q13330	332	YYMWKTTDRYVQ
5704	Q13330	467	PKFAMKTRQAFYL
5705	Q13330	479	LHTTKLTRIARRL
5706	Q13330	662	DVFYMAETEETRKI
5707	Q13342	58	EIASAITRPF PFL
5708	Q13342	92	RNLVPVTRVMYCV
5709	Q13342	246	KLLPYDTEVLESN
5710	Q13342	263	AARTYSTAPGEKQ
5711	Q13342	304	ETFDLKTTPQVTNE
5712	Q13342	308	LKTPQVTNEGEPE
5713	Q13342	480	SDQACGTMDTVDI
5714	Q13342	491	DIANNSTLGKPKR
5715	Q13342	582	RKHKDETVDFKAP
5716	Q13342	617	LVKCIQTEDGKWF
5717	Q13342	626	GKWFTPTEFEIKG
5718	Q13342	707	ELFCCDTC SRVFH
5719	Q13363	154	QALREGTRVQSVE
5720	Q13363	264	GAFLVNTARGGLV
5721	Q13363	340	EIRRAITGRIPDS
5722	Q13363	391	VVGVAPTGIPAAV
5723	Q13371	57	EGISVNTGPKGVI
5724	Q13371	74	RFKQLETEQREEQ
5725	Q13371	229	GASSQFTRNALPA

5726	Q13371	252	GNFVRV TD QLGDD
5727	Q13404	32	KGVGDG TV SWGLE
5728	Q13404	44	EDDEDM TL TRWTG
5729	Q13404	46	DEDM TL TRWTGMI
5730	Q13404	86	PFVRFV TK INMNG
5731	Q13421	36	WVQPSR TL AGETG
5732	Q13421	300	RREVEK TAC PSGK
5733	Q13421	543	DAVLPL TVA EVQK
5734	Q13421	619	GPGPVL TV LALLL
5735	Q13422	235	SMGLPG TL YPVIK
5736	Q13422	333	LRPLVQ TP PGGSE
5737	Q13422	454	ALRVVS TS GEQMK
5738	Q13422	510	EFSSHI TR GEHRF
5739	Q13426	27	QVSWEK TL ESGFV
5740	Q13426	35	ESGFVI TL TDGHS
5741	Q13426	46	HSAWTG TV SESEI
5742	Q13426	241	EESENQ TD LGLA
5743	Q13444	178	LHLPGH TC ALSWR
5744	Q13444	239	QHLLNR TL EVALL
5745	Q13444	307	AQLVTG TS FSGPT
5746	Q13444	382	CIMEAS TD FLPGL
5747	Q13509	221	LKLATP TY GDLNH
5748	Q13509	237	ATMSGV TT SLRFP
5749	Q13509	274	PGFAPL TAR GSQQ
5750	Q13509	399	AFLHWY TG EGMDE
5751	Q13522	13	PRKIQF TV PLLEP
5752	Q13522	38	RRPTPA TL VLTSD
5753	Q13522	42	PATLV LTSD QSSP
5754	Q13522	63	NPHLK STL AMSPR
5755	Q13522	75	RQRKM TR ITPTM
5756	Q13522	108	EGAAES TET QESR
5757	Q13522	110	AAEST ET QESRPP
5758	Q13522	121	PPGIPD TE VESRL
5759	Q13522	132	RLGTSG TAK KTAE
5760	Q13522	136	SGTAK KTAE CIPK
5761	Q13522	153	GSKEP STKE PSTH
5762	Q13522	158	STKEP STH IPPLD
5763	Q13526	29	YYFNHI TNA SQWE
5764	Q13526	79	WRQEKI TRT KEEA
5765	Q13526	81	QEKITR TKEE ALE
5766	Q13526	143	ASFALR TG EMSGP
5767	Q13535	285	HLVEMD TD QLKLY
5768	Q13535	947	LHSSQM TAL PNTF
5769	Q13535	1374	RLDFST TET QGKD
5770	Q13535	1663	HFESFI TEK KQNI
5771	Q13542	19	QSRaip TRT VAIS
5772	Q13542	21	RAIPTR TV AISDA
5773	Q13542	36	LPHDYC TP GGTL
5774	Q13542	41	CTTPGG TLF STTP
5775	Q13542	45	GGTLF STTP GGTR
5776	Q13542	50	STTPGG TRI IYDR
5777	Q13542	82	PNIPGV TS PGTLI
5778	Q13542	86	GVTSPG TLI EDSK
5779	Q13546	38	SLCFHR TQ GLMIM
5780	Q13546	432	YENFQ NTE GKGTA
5781	Q13546	456	HQPSGL TS QPQVL
5782	Q13546	583	DNTTSL TD KHLDP
5783	Q13547	38	PHRIRM TH NLLLN

5784	Q13547	277	LGCNLT TI KGHAK
5785	Q13547	304	LGGGGY TI RNVAR
5786	Q13547	460	EEKKEV TE EEKTK
5787	Q13554	94	LVFDLV TG GELFE
5788	Q13554	254	LINQML TI INPAKR
5789	Q13554	311	LTTMLA TR NFSVG
5790	Q13554	328	APATMS TA ASGTT
5791	Q13554	333	STAASG TT MGLVE
5792	Q13554	334	TAASGT TM MGLVEQ
5793	Q13554	359	KPQTN ST KNASAAA
5794	Q13554	371	ATSPKG TL PPAAL
5795	Q13554	531	IPGPLP TP SRKQE
5796	Q13554	541	KQEIIK TE QLIE
5797	Q13554	566	ICDPGL TS FEPEA
5798	Q13554	634	GQGRPR TS QSEET
5799	Q13561	335	LVQRLV TI KQLHE
5800	Q13561	355	LLTHLD TT QQMIA
5801	Q13561	356	LTHLDT TT QQMIAN
5802	Q13561	384	MRENLA TV EGNFA
5803	Q13568	51	IPWRHA TR HGPSQ
5804	Q13568	62	SQDGDN TI FKAWA
5805	Q13568	71	KAWAKE TG KYTEG
5806	Q13568	75	KETGKY TE GVDEA
5807	Q13568	160	LPSLSL TE DEVKWP
5808	Q13568	168	DVKWPP TL QPPTL
5809	Q13568	173	PTLQP PTL RPPTL
5810	Q13568	178	PTLRP PTL QPPTL
5811	Q13568	183	PTLQP PTL QPPVV
5812	Q13568	314	DKQRFY TN QLLDV
5813	Q13568	389	QKGQTN TP PPFEI
5814	Q13568	415	REKKLI TV QVVPV
5815	Q13572	61	VIIHKL TD VILEA
5816	Q13572	164	TRVAHG TN SEMA
5817	Q13572	288	IIINN Q TGQHVI
5818	Q13572	325	VLQGQ ST AMAATG
5819	Q13573	11	SFLPAP TQ LSQDQ
5820	Q13573	117	VIYSKY TD LVPKE
5821	Q13573	261	KNAKG YTI PLDKR
5822	Q13573	401	GVPNPR TS NEVQY
5823	Q13601	91	EHNVNA TL DLIEG
5824	Q13601	103	GSMTVC TT KKTFD
5825	Q13601	171	IGPKG STL KALEL
5826	Q13601	179	KALELL TN CYIMV
5827	Q13614	104	TGAVRG TL TVTNY
5828	Q13614	282	ESQATI TR CSQPM
5829	Q13614	377	YPNIE ETH WLSNL
5830	Q13614	496	MTRQFP TA FEFNE
5831	Q13627	271	FAQQMC TAL LFLA
5832	Q13627	408	TWNLKK TK DGKRE
5833	Q13627	495	TSNSV ST SPAMEQ
5834	Q13627	507	QSQSSG TT SSSTSS
5835	Q13627	553	QAMDC ETH SPQVR
5836	Q13627	575	SGTEAP TQ VTVET
5837	Q13627	637	RVYNSP TN SSSTQ
5838	Q13627	642	PTNSS STQ DSMEV
5839	Q13627	667	STTSS ST SSSSTG
5840	Q13627	672	STSSSS TGN QGNQ
5841	Q13627	689	RPVAAN TL DFGQN

5842	Q13627	733	GPAHYM TE GH LTM
5843	Q13637	21	AAPAPET RE HLFK
5844	Q13637	39	ELGVGK TS IIKRY
5845	Q13637	73	LNWDSR TL VRLQL
5846	Q13637	92	ERFGNM TR VYYKE
5847	Q13671	218	QELDQG TG AALCF
5848	Q13671	236	PGDLGP TK REKFK
5849	Q13671	661	LNQLCAT TK FRVTQ
5850	Q13671	666	ATKFRV TQ PNTFG
5851	Q13765	44	LEEQDS TQ ATTQQ
5852	Q13765	47	QDSTQAT TT QQAQL
5853	Q13765	92	RQVTGV TR VTIRK
5854	Q13765	161	ENTQTPT TV QEESE
5855	Q13769	58	YELYKY TC QELQR
5856	Q13769	322	AEEEQT TK RRRPT
5857	Q13769	374	MNLNIM TV KAKVT
5858	Q13769	591	NWKGEK TN SNDDN
5859	Q13829	91	NYLRDD TI TLPQN
5860	Q13829	141	CNIPII TS LKEEE
5861	Q13829	232	TSIVYAT TE KKQTK
5862	Q13829	302	HVKRYST TY DDRQL
5863	Q13882	72	YLAERET VE SEPW
5864	Q13882	99	QAEGNAT TG AFLIR
5865	Q13882	121	VLSVRD TQ AVRHY
5866	Q13882	422	VHKLML TC WCRDP
5867	Q13884	62	AYNGIG TAT NGSF
5868	Q13884	285	RSKDSAT AQ AWFS
5869	Q13884	417	HLFRAET SR DLSH
5870	Q13884	466	ENGFSI TT EPQEG
5871	Q13905	187	DKEMVT TV KGVIK
5872	Q13905	237	PAELPL TD REVEI
5873	Q13905	819	KLLRCAT SS QPLA
5874	Q13905	950	LEWQKQ TSE GLAE
5875	Q13950	198	GRGKS FTLT ITVF
5876	Q13950	327	LSSTRG TGL PAIT
5877	Q13950	405	TYTPPV TS GMSLG
5878	Q13950	449	PYLYYG TSS GSYQ
5879	Q14118	414	PGYVEP TAV ATPP
5880	Q14118	483	PTRIRT TT SGVPR
5881	Q14118	734	PSEAPP TE VPDRD
5882	Q14118	753	DDVYLH TVI PAVV
5883	Q14141	65	MDTLFN TK FEGEP
5884	Q14141	241	FAVIGS TE ELKIG
5885	Q14141	260	RQYPWG TVQ VENE
5886	Q14141	418	QAGGSQ TL KRDKE
5887	Q14152	189	KFCLQY TR KAEFR
5888	Q14152	311	EMRKNL TQ DEMQR
5889	Q14152	366	GLQAPP TR IGLIN
5890	Q14152	435	PQLQNN TI LRL LQ
5891	Q14155	9	SAEQTV TW LITLG
5892	Q14155	586	TSVGNP TI KPHSV
5893	Q14155	631	HPSHHG TP HTTIN
5894	Q14155	722	VIEAYC TS AKTRQ
5895	Q14164	11	ANYLWH TD DL LGQ
5896	Q14164	42	AVKVFN TT SYLRP
5897	Q14164	176	FVSVYG TE EYLHP
5898	Q14164	238	EIMYRI TE KPAG
5899	Q14164	262	PLEWSY TL PITCQ

5900	Q14164	266	SYTLPI TC QLSLG
5901	Q14164	302	DQFFAE TS DILQR
5902	Q14164	343	EAVHKQ TS VAPRH
5903	Q14164	380	TASSPL TL FSTAI
5904	Q14164	384	PLTLF STA IPKGL
5905	Q14164	453	MEVLQ ATC RRTLE
5906	Q14164	483	FSSVAG TP EIQEL
5907	Q14194	13	KSIPH ITS DRLLI
5908	Q14194	57	VPGGV KTI EANGR
5909	Q14194	118	PGSSLL TS FEKWH
5910	Q14194	218	ILEMGI TG PEGHA
5911	Q14194	253	NCPVY ITK VMSKS
5912	Q14194	288	SLGTDG TH WSKN
5913	Q14194	303	KAAAFV TS PPLSP
5914	Q14194	312	PLSPDP TT PDYLT
5915	Q14194	329	CGDLQ VTG SGHCP
5916	Q14194	384	NQFVAV TS TNAAK
5917	Q14194	419	DPDKLK TI TAKSH
5918	Q14194	554	DNNPR RTG HRIVA
5919	Q14207	26	LISTCQ TF ILESS
5920	Q14207	71	EYVAM KTK ETSNN
5921	Q14207	148	YLSGQ FTTP PSTG
5922	Q14207	158	STGTQ VTR PSGQI
5923	Q14207	220	ESQRK STTL SGPH
5924	Q14207	434	FKTAV PTE QCDI
5925	Q14207	443	KCDIDI TF ESVPN
5926	Q14207	479	NQMST ETEM AIGI
5927	Q14207	873	LIATCV TD PTALG
5928	Q14207	963	NGNNF STPP RQVL
5929	Q14207	1334	VNMAA HTLM ILSR
5930	Q14207	1366	RASSR STTK KRKI
5931	Q14242	67	EMLRN STDT TPLT
5932	Q14242	133	AATEA QTT QPVPT
5933	Q14242	143	VPTEA QTT PLAAT
5934	Q14242	173	AATEA QTT PPAAT
5935	Q14247	182	FDYQG KTE KHESQ
5936	Q14247	240	GKFGV QTD RQDKC
5937	Q14247	344	VPVEA VTS KTSNI
5938	Q14247	347	EAVTS KTS NIRAN
5939	Q14289	15	SRVKL GTL RRPEG
5940	Q14289	751	ASSPT LTSP MEYP
5941	Q14289	765	PVNSL HTP PLHRH
5942	Q14289	876	TANLDR TDDL VYL
5943	Q14315	1240	PVPKF PTR VHVQP
5944	Q14315	1372	NKANR FTV ETRGA
5945	Q14315	1563	SLPVE FTI DARDA
5946	Q14315	2186	RSSHTY TR TERTE
5947	Q14344	43	CLSRE KTY VKRLV
5948	Q14344	63	GESG KSTF LKQMR
5949	Q14344	87	REEFR PTI YSNVI
5950	Q14344	127	KMMSF DTRA PMAA
5951	Q14344	139	AQGMV ETRV FLQY
5952	Q14344	241	ECFDS VTS ILFLV
5953	Q14344	262	LMEDRL TN RLTES
5954	Q14344	266	RLTNRL TES LNIF
5955	Q14344	293	ILFLNK TD LLEEK
5956	Q14344	348	LYHHF TTA INTEN
5957	Q14344	352	FTTAINT ENI RILV

5958	Q14344	365	FRDVKD T ILHDNL
5959	Q14393	104	KYGSPY T KNSGFA
5960	Q14393	360	FKRLQP T RLVAEF
5961	Q14393	370	AEFDFR T FDPEGI
5962	Q14393	504	DTTIQ E TVKVNTR
5963	Q14457	43	VTIQEL T APLLTT
5964	Q14457	48	LTAPLL T TAQAKP
5965	Q14457	62	ETQEE E TNSGEEP
5966	Q14457	91	PARMM S TESANSF
5967	Q14457	98	ESANS F TLIGEAS
5968	Q14457	150	LLDQLD T QLNVTE
5969	Q14457	259	QMRYAQ T QLDKLK
5970	Q14457	284	HSGQFG T INNFR
5971	Q14457	343	SYLES L TDKSKEL
5972	Q14457	388	EVEKGE T RFCLPY
5973	Q14457	417	GSYSIK T QFNSEE
5974	Q14457	426	NSEEQ W TKALKFM
5975	Q14493	86	EEDEM R TRVNKEM
5976	Q14493	123	SKESM S TVPADFE
5977	Q14493	130	VPADF E TDES
5978	Q14493	148	INYGK N TIAYDRY
5979	Q14493	226	SSSEP Q TSSQDDF
5980	Q14493	238	FDVYSG T PTKVRH
5981	Q14493	240	VYSG T PTKVRHMD
5982	Q14493	260	DLEAC L TEPLRDF
5983	Q14498	175	LEEFF S TVGKVRD
5984	Q14498	214	PLAIG L TGQRVLG
5985	Q14498	330	GHVTER T DASSAS
5986	Q14498	522	PDSMT A TQLLVPS
5987	Q14511	31	RKGDIL T VIEQNT
5988	Q14511	537	FVMVAK T VPDDAK
5989	Q14511	764	FIGDT L TRQVTAQ
5990	Q14511	794	KTIVM A TKMAALH
5991	Q14524	37	KQARG S TTLQESR
5992	Q14524	143	IMCTIL T NCFVMA
5993	Q14524	169	TFTAI Y TFESLVK
5994	Q14524	449	KEHEAL T IRGVDT
5995	Q14524	550	ADDEN S TAGESES
5996	Q14524	644	GGPQML T SQAPCV
5997	Q14524	902	CGEWIE T MWDCME
5998	Q14524	976	LRFVKR T TWDFCC
5999	Q14524	1094	APPDSR T WSQVSA
6000	Q14524	1197	WWRLR K TCYHIVE
6001	Q14524	1709	CLFQIT T SAGWDG
6002	Q14524	1858	DILFA F TKRVLGE
6003	Q14526	521	SYKDPAT L RQHEK
6004	Q14526	579	TRQYRL T EHMRIH
6005	Q14526	677	AELLAQ T THFLHD
6006	Q14526	698	YPLAK F TAELGLS
6007	Q14527	16	VWKYLQ T VQYGVH
6008	Q14527	346	KLGGNN T SEKADG
6009	Q14527	641	SLIKNI T LRRTKT
6010	Q14527	861	LVVSQ F TTFLSLI
6011	Q14653	32	WVNKS R TRFRIPW
6012	Q14653	122	DFSQPD T SPDTNG
6013	Q14653	126	PDTSPD T NGGGST
6014	Q14653	135	GGSTSD T QEDILD
6015	Q14653	207	EWEF E VTAFYRGR

6016	Q14653	219	RQVFQQ T ISCPEG
6017	Q14653	291	RLGHCH T YWAVSE
6018	Q14653	331	FIVDLI T FTEGSG
6019	Q14653	333	VDLIT F TEGSGRS
6020	Q14653	359	PQDQPW T KRLVMV
6021	Q14653	370	MVKVVP T CLRALV
6022	Q14653	390	ASSLENT V DLHIS
6023	Q14654	15	PEEYVL T RLAEDP
6024	Q14654	61	FLQDV F T TLVDLK
6025	Q14654	62	LQDV F T TLVDLKW
6026	Q14654	106	LAPSEG T AEPCVT
6027	Q14654	214	SMIISAT I HMQVV
6028	Q14654	224	QVVRKT T SPEGEV
6029	Q14654	294	EGVVET T GITTQA
6030	Q14654	297	VET T GIT T QARTS
6031	Q14654	298	ET T GIT T QARTSY
6032	Q14654	302	IT T QART S YLADE
6033	Q14654	336	YSKFGN T IKVPTP
6034	Q14654	360	SLLEAL T LASARG
6035	Q14671	179	RDSAWG T SDHSVS
6036	Q14671	493	SANQQT T PQAQQG
6037	Q14671	615	AGGLAG T TNGPFR
6038	Q14671	671	SAQPANT S LGFGS
6039	Q14674	968	QKAAVET S FLDYG
6040	Q14674	1346	GRGLP C T PKPPDR
6041	Q14674	1621	ATAFLV T ESVSIT
6042	Q14674	1724	PGTVGN T LLLTRL
6043	Q14676	341	EERIPAT P VVIPM
6044	Q14676	358	IFHGVG T RGP GAP
6045	Q14676	740	HCSFQ T T GTLDEP
6046	Q14676	1131	PEPHP S T STAQPV
6047	Q14676	1174	LQPST S T DQPVTS
6048	Q14676	1228	EPTSQAT R GRKNR
6049	Q14676	1265	PVTSE P T YQATRG
6050	Q14676	1485	DRSSVK T PETVVP
6051	Q14676	1593	LVTPE P T SRATRC
6052	Q14676	1846	KEEEED T AEKPGK
6053	Q14676	1898	APKVL F T GVVDAR
6054	Q14676	2041	PQRVVI T CPQDFP
6055	Q14678	35	DPYFVET P YGYQL
6056	Q14678	544	VGTSVET N SVGIS
6057	Q14678	709	LDKQTS T QTVETR
6058	Q14678	740	RSIGVG T LLSGHS
6059	Q14680	16	YYELHE T IGTGGF
6060	Q14680	19	LHETIG T GGFAKV
6061	Q14680	300	HRNNRQ T MEDLIS
6062	Q14680	348	ASATP F T DIKSNN
6063	Q14680	387	LSTGAAT P RTSQF
6064	Q14680	394	PRTSQ F T KYWTES
6065	Q14680	446	MFPEPK T PNKNQ
6066	Q14680	459	HKREIL T TPNRYT
6067	Q14680	542	KVITVL T RSKRKG
6068	Q14680	564	KLHYNV T TTRLVN
6069	Q14680	595	FVQKGY T LKCQTQ
6070	Q14680	600	YTLKCQ T QSDFGK
6071	Q14681	40	PRPAG P T PRGHGR
6072	Q14681	126	LIDRD P T YFGPIL
6073	Q14681	143	HGKLI I T KELAE

6074	Q14681	178	RDNENR TS QGPVK
6075	Q14683	93	EGAEDR TF FARVIV
6076	Q14683	682	EKKERL TE ELKEQ
6077	Q14683	1079	CFESVAT TN IDEIY
6078	Q14683	1134	LSGGEK TV AALAL
6079	Q14686	537	GQVPST TAT TPGN
6080	Q14686	730	NKQQFN TQ NQSNV
6081	Q14686	807	HGDPAT TAN NDVS
6082	Q14686	883	NKDVTL TS PLLVN
6083	Q14686	1164	QNQLMM TG PKPGP
6084	Q14686	1176	PSPLSAT TQ GATPQ
6085	Q14686	1402	LNPQNS TV SVAAV
6086	Q14686	1533	KASVIP TL QDLSS
6087	Q14686	1618	TSAALP TH LQSAL
6088	Q14686	1627	QSALMS TV VTMPN
6089	Q14686	1860	GQGLDT TAP GLMG
6090	Q14686	1978	SKETST TAL QASV
6091	Q14690	42	STEEGS TK RKKSQ
6092	Q14690	54	QKGPAK TK KLKIE
6093	Q14690	191	KPGMLL TG TVSSL
6094	Q14690	305	NFLTFF TG VVDFM
6095	Q14694	95	EFILGC TAS KITP
6096	Q14694	105	ITPDGI TK EASYG
6097	Q14694	173	GDDSI STE ALVNG
6098	Q14694	238	LGSDTR TAG QPEG
6099	Q14694	362	PVAYVE TK YSPPA
6100	Q14694	429	WCYINAT LQ ALVA
6101	Q14694	554	PSNEKL TI SNGPK
6102	Q14694	592	RNKTSV TR QADFV
6103	Q14694	603	FVQTP ITG IFGGH
6104	Q14694	661	SVQGY TTK TKQEV
6105	Q14694	674	EISRRV TL EKLPP
6106	Q14694	786	KPTAER TAY LLYY
6107	Q14703	42	PGCSHL TL KVEFS
6108	Q14703	50	KVEFS STV VEY EY
6109	Q14703	196	PRQVAQ TL QADVL
6110	Q14703	251	DGLGHG TF VAGVI
6111	Q14739	38	STSQLY TV KYKDG
6112	Q14739	58	NDIKPL TS FRQRK
6113	Q14739	256	LYELWE TR VFGVY
6114	Q14739	311	TSAVIG TS LFQGV
6115	Q14764	60	PPRHYC TV ANPVS
6116	Q14764	222	VDAVIL TE KTALH
6117	Q14764	256	LVTVQD TE AHVPD
6118	Q14764	558	RKDPQ ETAK LFSV
6119	Q14766	187	PGSQRC TK PSCVP
6120	Q14766	357	RIKVVF TP SICKV
6121	Q14766	622	YKRVNN TF CQDIN
6122	Q14766	1485	DGQCVN TE GSYNC
6123	Q14790	77	RLDLLI TY LNTRK
6124	Q14790	207	ELCGVM TI SDSPR
6125	Q14790	444	DILTIL TE VNYEV
6126	Q14790	467	KQMPQ PTF TLRKK
6127	Q14814	145	NFAMPV TV PVSNQ
6128	Q14814	170	VTPSLV TS SLTDP
6129	Q14814	274	PDLRV ITS QAGKG
6130	Q14814	316	PVVSVA TP SLLSQ
6131	Q14847	15	GKIVYP TE KVNCL

6132	Q14847	113	LQRIKK T QDQISN
6133	Q14847	166	QPHHIP T SAPVYQ
6134	Q14847	250	VERTGD T GMLPAN
6135	Q14865	82	YFLPED T PQGRNS
6136	Q14865	337	YMKERK T PIERIP
6137	Q14865	354	KQINLW T MFQAAQ
6138	Q14865	741	THHGQS T DHMAVS
6139	Q14934	124	ITSISP T PEPPAA
6140	Q14934	435	HRAHYE T EGSRGA
6141	Q14934	645	LQSNEV T LTLTVP
6142	Q14934	711	SATPFG T DMDfsp
6143	Q14974	195	NVKLAAT N ALLNS
6144	Q14974	205	LNSLEFT T KANFDK
6145	Q14974	427	SVVVRD T AAWTVG
6146	Q14974	587	QSLLCAT L QNVLR
6147	Q14980	289	DKNESL T MRLHET
6148	Q14980	295	TMRLHE T LKQCQD
6149	Q14980	304	QCQDLK T EKSQMD
6150	Q14980	508	SLTSEL T TLNATI
6151	Q14980	509	LTSEL T TLNATIQ
6152	Q14980	538	QAQLAQ T LQQQEQ
6153	Q14980	688	SEQQK T EKERVA
6154	Q14980	714	KESLKV T KGSLEE
6155	Q14980	743	SELKA T RSLVEQ
6156	Q14980	782	EAHQA T EVLRRE
6157	Q14980	963	GRQFC S TQAALQA
6158	Q14980	1952	LSLGT I TDEEMKT
6159	Q14994	27	YHFNAL T CEGCKG
6160	Q14994	116	QEELIR T LLGAHT
6161	Q14994	122	TLLGAH T RHMGTM
6162	Q14994	127	HTRHMG T MFEQFV
6163	Q14994	150	HHQPL P TLAPVLP
6164	Q14994	166	HFADIN T FMVLQV
6165	Q14994	208	CHIVLN T TFCLQT
6166	Q14994	214	TTFCLQ T QNFLCG
6167	Q14994	225	CGPLRY T IEDGAR
6168	Q14994	235	GARVSP T VGFQVE
6169	Q14994	252	LFHFHG T LRKLQL
6170	Q14994	280	PDRPGV T QRDEID
6171	Q15004	12	ADSVPG T YRKVVA
6172	Q15004	30	KVLGS S TSATNST
6173	Q15004	36	TSATNS T SVSSRK
6174	Q15004	58	PVCVR P TPKWQKG
6175	Q15005	89	GRLTIC T ISCFFA
6176	Q15005	149	AHRKDP T GMDPDD
6177	Q15005	171	RFDDKY T LKLTFI
6178	Q15005	190	QREAE F TKSIAKF
6179	Q15007	221	VEGMQ S TILVLQQ
6180	Q15007	299	HREGNT T EDDFPS
6181	Q15007	356	THQSND T DSSHDP
6182	Q15007	375	SGKGNR T VGSRHV
6183	Q15020	47	RAVAA A TYKTMGP
6184	Q15020	705	SSKDS I TVFVSNL
6185	Q15020	813	GLPFSC T KEELEE
6186	Q15020	865	MKMDGM T IKENII
6187	Q15024	39	RCVEVE T DVVSNT
6188	Q15024	68	VKAEMG T PKLEKP
6189	Q15024	90	DCSAS A TPEFEGR

6190	Q15024	123	SSVDLK T LCISPR
6191	Q15025	272	SPKMEG T GKKAVA
6192	Q15025	379	KIEMEET D KEQLT
6193	Q15025	457	RKQELV T QNELLK
6194	Q15025	619	QVMDPP T ARPTEP
6195	Q15027	289	WSRRWF T IQSNQL
6196	Q15027	587	HPPSLP T MADALA
6197	Q15027	678	EGRDPL T IAMETA
6198	Q15027	683	LTIAMET A NADIV
6199	Q15046	56	QATAAA T NHTTDN
6200	Q15046	337	HNPEFT T CEFYMA
6201	Q15046	411	GMKLPET N LFETE
6202	Q15046	460	VTCINP T FICDHP
6203	Q15050	56	LRCAGP T PEAELQ
6204	Q15050	129	IRPKKK T NLVWDE
6205	Q15050	210	AAGLHP T GHQSKE
6206	Q15050	285	KPQLDV T RATNKQ
6207	Q15054	15	NIDEFV T DQNKIV
6208	Q15054	174	ANNELT T NGHGPP
6209	Q15054	277	TEPKLAT P PAGLKK
6210	Q15054	314	DDETKET E NMRKK
6211	Q15056	38	SQKELP T EPPYTA
6212	Q15056	43	PTEPPY T AYVGNL
6213	Q15056	100	SLKEAL T YDGALL
6214	Q15056	217	LQLKPR T VATPLN
6215	Q15078	15	PSYRKAT L FEDGA
6216	Q15078	23	FEDGAAT V GHYTA
6217	Q15078	28	ATVGHY T AVQNSK
6218	Q15078	79	SYQNNI T HLNNEN
6219	Q15078	97	SCANLS T FAQPPP
6220	Q15078	119	QLSGSQ T GGSSSV
6221	Q15078	134	APHPAV T SAGTPK
6222	Q15078	148	VIVQAS T SELLRC
6223	Q15078	172	LKHLSP T DPVLWL
6224	Q15078	197	QDQGF T PANVVF
6225	Q15078	228	LQAVLL T CLYLSY
6226	Q15078	283	ADPHYF T QVFSDL
6227	Q15080	36	EEKRGF T SHFVfV
6228	Q15080	47	FVIEVK T KGGSKY
6229	Q15080	85	SSALACT L PTLPA
6230	Q15080	88	LACTLP T LPAKVY
6231	Q15080	182	EALFDF T GNSKLE
6232	Q15080	211	KDWLEG T VRGATG
6233	Q15080	216	GTVRGAT G IFPLS
6234	Q15080	237	PEEDDP T NWLRcy
6235	Q15080	251	YEDTIS T IKDIAV
6236	Q15080	264	EEDLSS T PLLKDL
6237	Q15080	274	KDLEL T RREFQR
6238	Q15080	327	PWKLHI T QKDNyR
6239	Q15084	100	GVQGF P TIKIFGS
6240	Q15084	119	DYQGG R TGEAIVD
6241	Q15084	223	LAAVDAT V NQVLA
6242	Q15084	337	MWGWLW T EAGAQs
6243	Q15118	139	KAIYDF T DTVIRI
6244	Q15118	338	FNYMY S TAPRPRV
6245	Q15118	383	SLEGY G TDAVIYI
6246	Q15118	413	AWKHYN T NHEADD
6247	Q15139	279	FVIHSY T RPTVCQ

6248	Q15139	325	NCLGEV T INGDLL
6249	Q15139	688	ITKFLI T QILVAL
6250	Q15139	844	WLQDYQ T WLDLRE
6251	Q15147	49	EFGFFL T WRSE GK
6252	Q15147	104	VCVCSG T DLVNIS
6253	Q15147	122	AENPEV T KQWVEG
6254	Q15147	1021	EIVAQH T KEWSEM
6255	Q15149	536	CLQRIV T KLQMEA
6256	Q15149	786	DWSDRNT T NMTAKK
6257	Q15149	1282	AEAQQP T FDALRD
6258	Q15149	4007	CRRDDG T GQLLLP
6259	Q15170	27	RGLRWS T LPKSSP
6260	Q15170	66	RCSSRR T PSAGLS
6261	Q15185	37	FEKSKL T FSC LGG
6262	Q15185	69	DSKHKR T DRSILC
6263	Q15185	90	QSWPRL T KERAKL
6264	Q15208	21	HTKERV T MTKVTL
6265	Q15208	26	VTMTKV T LENFYS
6266	Q15208	111	LVQKKD T GHVYAM
6267	Q15208	176	PGGDM T LLMKKD
6268	Q15208	183	LLMKD T LTEEET
6269	Q15208	196	QFYIAE T VLADS
6270	Q15208	235	SDFGLC T GLKKAH
6271	Q15208	243	LKKAHR T E FYRNL
6272	Q15208	326	PPFCSE T PQETYK
6273	Q15208	422	SDILKP T VATSNH
6274	Q15208	431	TSNHPET T DYKNKD
6275	Q15208	452	KRFEG L TARGAIP
6276	Q15287	62	DRGRDK T RKR RSA
6277	Q15287	89	SSSGS T STGSSS
6278	Q15287	234	IDGQEI T ATAVLA
6279	Q15287	236	GQEI T ATAVLAPW
6280	Q15291	20	PEEADG T LDCISM
6281	Q15291	168	RGEYI T YTGNAKGK
6282	Q15291	180	KILVLK T DSQDLV
6283	Q15291	192	VASFRV T TGTSNT
6284	Q15291	198	TTGTSN T TAIKSI
6285	Q15291	217	SCFLIN T ADRIIR
6286	Q15291	232	DGREIL T CGRDGE
6287	Q15291	293	VKILHG T RGELLL
6288	Q15291	378	DEEVDV T SVDPPIA
6289	Q15291	425	PPDAVQ T SLMDEG
6290	Q15291	455	KKKPK T TNIELQG
6291	Q15291	529	ELSQPL T AGGAIS
6292	Q15293	32	VLRAKP T VRKERV
6293	Q15293	100	DGDGFV T TEELKT
6294	Q15293	101	GDGFV T TEELKTW
6295	Q15293	211	EIVVLE T LEDIDK
6296	Q15303	412	SWPPNM T DFSVFS
6297	Q15303	422	VFSNLV T IGGRVL
6298	Q15303	699	ELVEPL T PSGTAP
6299	Q15303	716	LRILKE T ELKRVK
6300	Q15334	77	LHRDAAT T VTQMHF
6301	Q15334	251	WGRDSS T VVSSH S
6302	Q15334	277	FPTLQP T VATT PY
6303	Q15334	976	LSQANG T PSILLA
6304	Q15370	13	IRRHK T TIFTDAK
6305	Q15370	16	HKTTIF T DAKESS

6306	Q15370	66	CGFTSQ T ARPQAP
6307	Q15370	74	RPQAPAT V GLAFR
6308	Q15398	75	GLVPEK T NVKPRA
6309	Q15398	164	KDQMEQ T KIDNES
6310	Q15398	210	RMTRSAT Q AAKQV
6311	Q15398	230	TARKPV T RAANEN
6312	Q15398	270	VDSEENT L NSQTN
6313	Q15398	278	NSQTNAT S GMNPD
6314	Q15398	322	PLDGLK T YQVTPM
6315	Q15398	342	FLTPSY T WTPLKT
6316	Q15398	502	RGIKET T CTDLDG
6317	Q15398	595	QEECAET A VSVIP
6318	Q15398	671	NAGPQN T KSEHVK
6319	Q15398	799	DNKSLT T ECHLLD
6320	Q15424	188	AIEDKET T INNLDT
6321	Q15424	194	TINNLD T SSSDFT
6322	Q15424	340	ELAEAP T EAPSPE
6323	Q15424	456	GFVTMS T AEEATK
6324	Q15427	14	ERNQDAT V YVGGL
6325	Q15427	50	MPKDRV T GQHGY
6326	Q15427	280	GPPSAG T PGAGHP
6327	Q15427	407	LPPPRP T PRPPVP
6328	Q15428	80	QGKKHQ T NLARRA
6329	Q15428	178	AAEPYE T IAFKVP
6330	Q15428	197	AEGKFW T HWNRET
6331	Q15428	326	PGVHP T SGVHPP
6332	Q15485	14	GVLGAAT L LLSFL
6333	Q15485	120	FLSGWH T IYLPDC
6334	Q15485	143	TDGGGW T VFQRRV
6335	Q15485	245	NNQSF S TKDQDND
6336	Q15545	44	NLKDRL T IELHPD
6337	Q15545	84	KTIDKK T FYKTAD
6338	Q15545	98	CQMLV S TVDGDLY
6339	Q15545	189	IIAEDE T KEAENQ
6340	Q15554	186	MIKTEF T LTEAVV
6341	Q15554	188	KTEFT L TEAVVES
6342	Q15554	258	QNFSYE T FQQKML
6343	Q15554	280	AEPYLL T MAKKAL
6344	Q15554	295	ESAASS T GKEDKQ
6345	Q15554	323	QLRNPP T TIGMMT
6346	Q15554	324	LRNPPT T IGMRTL
6347	Q15554	434	APPSKP T VLNQPL
6348	Q15554	464	GVEEKE T WVEEDE
6349	Q15554	483	APDEDS T TNITKK
6350	Q15554	484	PDEDS T TNITKKQ
6351	Q15554	525	YPFVNR T AVMIKD
6352	Q15637	101	NTREFR T RKKLEE
6353	Q15637	208	PLHALV T ANTMEN
6354	Q15637	270	PWQSSE T RSITNT
6355	Q15637	533	QNTTTT T TSAGTG
6356	Q15648	428	GSCVKR T ILKEDS
6357	Q15648	473	MDVQDS T HVSCKL
6358	Q15648	531	LSLIAE T VEDMVK
6359	Q15648	561	NPMSGT T TPTNTF
6360	Q15648	704	EKPKHQ T EDDFQR
6361	Q15648	747	APSQC S TPPTTYP
6362	Q15648	751	CSTPPT T YPQPVP
6363	Q15648	796	ASKLP S TSDDCPA

6364	Q15648	905	ASQALN TL GV PML
6365	Q15648	1110	SSSSAS TS GKMKS
6366	Q15648	1409	SIKAKV TL QKPGE
6367	Q15648	1550	LSMTSN TI LSADR
6368	Q15653	60	VTEDGD TAL HLAV
6369	Q15653	107	AAILGE TS TVEKL
6370	Q15653	239	LDKPEP TC GRSPL
6371	Q15653	338	HSSRSQ TRL PPTP
6372	Q15654	260	DELDRL TK KLVDH
6373	Q15654	309	GCFVC ST CRAQLR
6374	Q15654	335	EGCYVA TL EKCAT
6375	Q15654	415	EPGQEE TV RIVAL
6376	Q15691	33	SLQLNL TK IEQLC
6377	Q15691	135	ARQGQ ET AVAPSL
6378	Q15691	206	VNVLKL TV EDLEK
6379	Q15691	249	VDILYA TD EGFVI
6380	Q15717	32	YLPQNM TQ DELRS
6381	Q15717	118	GLPRTM TQ KDVED
6382	Q15717	180	GSSEPI TV KFAAN
6383	Q15717	281	VIRDFN TN KCKGF
6384	Q15726	16	LLFLCA TH FGEPL
6385	Q15726	54	EQSLPC TER KPAA
6386	Q15726	61	ERKPA A TARLSRR
6387	Q15726	69	RLSRRG TS LSPPP
6388	Q15746	15	SSHISK TS LSVDP
6389	Q15746	937	RQVKPK TV SEEER
6390	Q15746	1132	PATIIW TL NGKTL
6391	Q15746	1599	CVNKTG TRI KLID
6392	Q15750	209	LNVDHT TEN EDEL
6393	Q15750	315	IAAMID TE FAKQT
6394	Q15750	376	GEMSQ P TPSPAPA
6395	Q15750	446	TLTLQ ST NHTQS
6396	Q15788	342	TMLSAH TK CKLCY
6397	Q15788	405	GVARSS TL PPSNS
6398	Q15788	479	NSPMEG TG ISLAQ
6399	Q15788	639	LVQLLT TT AEQQL
6400	Q15788	792	TNPTPM TK PTPEE
6401	Q15788	862	SATAR P TSRLNRL
6402	Q15788	885	QFGQP G TGDQIPW
6403	Q15788	922	LLCPPT TV EGRND
6404	Q15788	946	LSGKDE TEL AELD
6405	Q15788	1175	YPPNYG TN PGTPP
6406	Q15788	1379	STDLLK TE ADGTQ
6407	Q15788	1399	FADVQC TV NLVGG
6408	Q15796	66	ELEKAI TT QNCNT
6409	Q15796	89	EIWGL ST PNTIDQ
6410	Q15796	92	GLSTPN TI DQWDT
6411	Q15796	98	TIDQWD TT GLYSF
6412	Q15796	172	HYQRVE TP VLPPV
6413	Q15796	184	VLVPRH TE ILTEL
6414	Q15796	197	PPLDDY TH SIPEN
6415	Q15796	252	PAELS P TTLSPVN
6416	Q15796	253	AELS P TTLSPVNH
6417	Q15796	372	YGWHPA TV CKIPP
6418	Q15796	430	AEYRRQ TV TSTPC
6419	Q15796	432	YRRQ TV TSTPCWI
6420	Q15831	13	QQLGMF TE GELMS
6421	Q15831	24	MSVGMD TF IHRID

6422	Q15831	32	IHRIDS TE VIYQP
6423	Q15831	71	EVLDSE TL CRRAV
6424	Q15831	185	PGNLLL TT GGTLK
6425	Q15831	209	PFAADD TC RTSQG
6426	Q15831	212	ADDT CR TSQSPA
6427	Q15831	244	IWSAGV TL YNITT
6428	Q15831	249	VTLYNI TT GLYPF
6429	Q15831	328	IPPSPD TK DRWRS
6430	Q15831	367	IYTQDF TV PGQVP
6431	Q15831	402	EAAQLS TK SRAEG
6432	Q15835	212	ACQMKAT TK LYAC
6433	Q15835	259	LAYAFET TK ADLCL
6434	Q15835	355	TKGYAG TP GFMAP
6435	Q15835	381	YFALGV TL YEMIA
6436	Q15848	22	HDQETT TT QPGVL
6437	Q15848	37	LPKGACT TK WMAGI
6438	Q15848	185	DKAML F TYDQYQE
6439	Q15848	235	DNDST F TGFLLYH
6440	Q15907	32	NLLSR F TRNEFNL
6441	Q15907	43	NLESKS TI GVEFA
6442	Q15907	67	KAQIWD TA GQERY
6443	Q15907	98	DIAKHL TY ENVER
6444	Q15910	53	QKILER TE ILNQE
6445	Q15910	72	QPVHIL TS VSSLR
6446	Q15910	236	MFPDKG TA EELKE
6447	Q15910	248	EKYKEL TE QQLPG
6448	Q15910	283	SLHSF HT LFCRRC
6449	Q15910	305	FHATPN TY KRKNT
6450	Q15910	313	KRKNT ET ALDNKP
6451	Q15910	386	SDREAG TE TGGEN
6452	Q15910	446	FRVLIG TY YDNFC
6453	Q15910	460	IARLIG TK TCRQV
6454	Q15910	462	RLIG TK TCRQVE
6455	Q15910	568	CKAQC N TKQCPCY
6456	Q15942	250	PVSLAN TQ PRGPP
6457	Q15942	315	PQPPS F TYAQORE
6458	Q15942	352	GAPGPL TL KEVEE
6459	Q15942	440	EGCYTD TL EKCNT
6460	Q16236	221	SPEAKL TE VDNYH
6461	Q16236	276	SLNSDA TV NTDFG
6462	Q16236	395	KQNGPK TP VHSSG
6463	Q16236	439	SPGHRK TP FTKDK
6464	Q16270	53	GCLLGE TR DACGC
6465	Q16270	125	VCGSDG TT YPSGC
6466	Q16270	155	TQVSKG TC EQGPS
6467	Q16270	173	KDIWNV TA QVYL
6468	Q16401	118	ENSDAV TE ILNNA
6469	Q16401	177	LKSVMK TD NDIVRY
6470	Q16401	318	IGVAVD TV GILGS
6471	Q16401	335	KQVLQK TK TRFER
6472	Q16512	64	NLRRAT TD LGRSL
6473	Q16512	106	LPDPA A THDGPQS
6474	Q16512	157	TYSNGS TK DRKLL
6475	Q16512	165	DRKLLL TA QQMLQ
6476	Q16512	202	QAAPDD TQ GSPDL
6477	Q16512	323	CKPAPL TK TLEVR
6478	Q16512	339	CRDLPET TI PWNPT
6479	Q16512	393	NTSEVS TV LKLDN

6480	Q16512	527	RLIPNAT T GTGTFS
6481	Q16512	557	EKLNLG T DSOSSP
6482	Q16512	750	DNLLLD T EGYVKI
6483	Q16512	894	PPPFV P TLSGRTD
6484	Q16513	304	LVAAS P TLSPRQS
6485	Q16513	320	TQNQYS T LSKPAA
6486	Q16513	330	PAALT G TLVRLM
6487	Q16513	352	PGRSK A TSVALPG
6488	Q16513	364	GWSPSE T RSSFMS
6489	Q16513	372	SSFMSR T SKSKSG
6490	Q16513	503	SKQQG K TFLRAPQ
6491	Q16513	562	PPASDS T VTKLDF
6492	Q16513	711	EKRIF E TVNSVRH
6493	Q16513	729	LFACF Q TKEHVCF
6494	Q16513	792	DNLLLD T EGFVKI
6495	Q16513	814	MGYGD R TSTFCGT
6496	Q16518	27	ELSS P LTAHVTGR
6497	Q16518	39	RIPLW L TGSLLRC
6498	Q16518	78	FKEGHV T YHRRFI
6499	Q16518	86	HRRF I RDAYVRA
6500	Q16518	94	AYVRAM T EKRIVI
6501	Q16518	129	FRGVEV T DNALVN
6502	Q16518	178	VSVNG A TAHPHIE
6503	Q16518	246	VHSFGL T PNYIVF
6504	Q16518	306	LNNKYR T SPFNLF
6505	Q16518	317	LFHHIN T YEDNGF
6506	Q16518	379	NIDKAD T GKNLVT
6507	Q16518	392	LPNTT A TAILCSD
6508	Q16566	18	SSCSSV T ASAAPG
6509	Q16566	25	ASAAP G TASLVPD
6510	Q16566	57	ELGRG A TSIVYRC
6511	Q16566	88	DKKIVR T EIGVLL
6512	Q16566	110	LKEIF E TPTEISL
6513	Q16566	112	EIFET P TEISLVL
6514	Q16566	122	LVLELV T GGELFD
6515	Q16566	174	ENLLY A TPAPDAP
6516	Q16566	291	PKKRL T TFQALQH
6517	Q16566	301	LQHPWV T GKAANF
6518	Q16566	312	NFVHMD T AQKKLQ
6519	Q16566	443	AEEKLK T VEEAAA
6520	Q16581	218	DPSSF Q TNDHPWT
6521	Q16581	224	TNDHPW T VPTVFQ
6522	Q16581	337	TPLVAI T ITRLVV
6523	Q16581	391	VFLVCW T PYHIFG
6524	Q16584	47	YANPVW T ALFDYE
6525	Q16584	157	DEDISV T AESVRQ
6526	Q16584	285	QMSAAG T YAWMAP
6527	Q16584	340	VAVNKL T LPIPST
6528	Q16584	425	SREEEL T RAAREQ
6529	Q16584	503	DFKHRI T VQASPG
6530	Q16584	526	GPGDS P TFPRFRA
6531	Q16584	637	RGSSSG T PKLIQR
6532	Q16584	676	ERGESP T TPPTPT
6533	Q16584	677	RGESP T TPPTPT
6534	Q16584	688	TPAPCP T EPSPSP
6535	Q16584	702	ICFSLK T PDSPPT
6536	Q16623	71	PNPDEK T KEELEE
6537	Q16623	118	DLRIRK T QHSTLS

6538	Q16623	122	RKTQHSTLSRK FV
6539	Q16623	160	EITGRTTTSEELE
6540	Q16625	86	FACVASTLAWDRG
6541	Q16625	95	WDRGYGTSLLGGS
6542	Q16625	132	YGYGGYTDPRAAK
6543	Q16625	158	ALVIFVTSVIRSE
6544	Q16625	168	RSEMSRTRRY YLS
6545	Q16625	225	FYTPAATGLYVDQ
6546	Q16625	267	IFFAVKTRRKMDR
6547	Q16625	305	KNVSAGTQDV PSP
6548	Q16625	376	SGGNFETPSKRAP
6549	Q16625	393	AGRSKRTEQDHYE
6550	Q16625	424	REYPPI TSDQQRQ
6551	Q16625	438	YKRNFD TGLQEYK
6552	Q16637	37	SDIWDD TALIKAY
6553	Q16637	62	NGDICETSGKPKT
6554	Q16637	68	TSGKPKTPKRKP
6555	Q16637	69	SGKPKTPKRKPA
6556	Q16637	112	GCIYPATIASIDF
6557	Q16637	122	IDFKRET C VVY T
6558	Q16637	128	TCVVVY TGYGNRE
6559	Q16637	167	NESQVSTDESENS
6560	Q16637	274	YMSGYHTGY YMGF
6561	Q16643	343	SPSDSSTASTPVA
6562	Q16643	440	APVEPATADATEI
6563	Q16643	444	PATADATEIHDAA
6564	Q16643	631	PPEIDI TCWDADP
6565	Q16655	22	GHGHSYTTAE EAA
6566	Q16655	23	HGHSYTTAE EAAAG
6567	Q16655	66	KSLHVG TQCALTR
6568	Q16655	71	GTQCAL TRRC PQE
6569	Q16656	118	LRKL RATLDEYTT
6570	Q16656	324	SLIQVG TGATVAT
6571	Q16656	342	ELPTTV TVAQVNY
6572	Q16656	443	AAVGAL TGVQDAN
6573	Q16658	178	GVDSLITLAFQDQ
6574	Q16658	190	QRYSVQ TADHRFL
6575	Q16658	311	CAFRTH TGKYWTL
6576	Q16658	356	SNGKFV TSKKNGQ
6577	Q16659	92	PSGSQL TDDVGSL
6578	Q16659	230	EMLTGK TLFAGAH
6579	Q16659	347	ILLMDE THSHIYN
6580	Q16659	448	HTCNYK TRSSSYL
6581	Q16665	128	LTQFEL TGHSVFD
6582	Q16665	149	EMREML THRNLV
6583	Q16665	163	KGKEQN TQRSFFL
6584	Q16665	181	LTSRGR TMNIKSA
6585	Q16665	376	KMTQLF TKVESED
6586	Q16665	383	KVESED TSSLFDK
6587	Q16665	407	APAAGD TIISLDF
6588	Q16665	420	GSNDTE TDDQQL
6589	Q16665	498	PQIQDQ TPSPSDG
6590	Q16665	616	PTANAT TTTATTD
6591	Q16665	700	ALSQRT TVPEEEL
6592	Q16665	796	SGLPQL TSYDCEV
6593	Q16666	111	TSPAPST SSVTKT
6594	Q16666	586	VMVLNAT ESFVYE
6595	Q16666	603	KKMFHAT VATENE

6596	Q16666	736	GDKLKL TC FELAP
6597	Q16695	23	PRKQLA TK VARKS
6598	Q16695	33	RKSAPAT TGGV KKP
6599	Q16695	46	HRYRPG TVAL REI
6600	Q16695	59	RRYQKS TELL IRK
6601	Q16695	119	IHAKRV TI MPKDI
6602	Q16719	111	GKRPWI TGDE SIV
6603	Q16719	138	ALMNAL TVNL HLL
6604	Q16719	152	LSFFKP TPKR YKI
6605	Q16719	198	PREGE ETLR IEDI
6606	Q16773	239	PGMWERT TLTI GSA
6607	Q16773	241	MWERTL TI GSAGK
6608	Q16773	252	GKTFSAT TGWK VGW
6609	Q16773	282	SVFHC PTQS QAAV
6610	Q16790	257	HVVHLS TA FARVD
6611	Q16790	362	LHTLS DTLW GPGD
6612	Q16790	427	GLLFAV TSVA FLV
6613	Q16790	443	RQHRRG TKGG VS Y
6614	Q16832	47	IPDEDI TASS QWS
6615	Q16832	56	SQWSE STAA KYGR
6616	Q16832	335	PSARFV TVPL HHR
6617	Q16832	646	LLAVCI TDDP LCM
6618	Q16853	69	LSREEL TA VMRFL
6619	Q16853	458	FGGLAE TVLV VRS
6620	Q16853	515	NQVSEH TLGT VHT
6621	Q16853	657	NDPWAP TVDF SDF
6622	Q16875	129	VFDATN TTRE RRH
6623	Q16875	307	LKSTIQ TA EALRL
6624	Q16875	416	LKCPLH TVLK LTP
6625	Q16875	471	LASPE PTKK PRIN
6626	Q1KMD3	9	VKRLKV TE LRSEL
6627	Q1KMD3	244	DEEEDQ TLVN LDT
6628	Q1KMD3	299	CFEAKV TQNL PMK
6629	Q1KMD3	466	LPGSGK TQ WALKY
6630	Q24JP5	133	SVEAAV TPAE PYA
6631	Q24JP5	307	ARPAQ PTLW TAKL
6632	Q24JP5	427	VPVRLV TVDG GGA
6633	Q24JP5	823	EARKE TE AREEE
6634	Q2HXU8	9	EEVTYA TLTF QDS
6635	Q2HXU8	48	AALGLV TLCL MLL
6636	Q2HXU8	158	NSCYY FTNE EKT
6637	Q2HXU8	164	TTNEEK TWAN SRK
6638	Q2M2Z5	49	EYNQSD TCRV KLK
6639	Q2M2Z5	75	SEKKAH TRNQ EYL
6640	Q2M2Z5	175	SMRDF STE HKSPQ
6641	Q2M2Z5	183	HKSPQ PTKN FSIP
6642	Q2M2Z5	239	GEKMPV TA SVLSE
6643	Q2M2Z5	249	LSEEEQ THCL EIG
6644	Q2M2Z5	288	LSPENR TTDL KCD
6645	Q2M2Z5	445	SEKES STNA PTRE
6646	Q2M2Z5	449	SSTNAP TTRE PGQT
6647	Q2M2Z5	559	AADIPI TE TEAYQ
6648	Q2M2Z5	576	ATLQDN TNQT ENR
6649	Q2M2Z5	607	GAFETK TANK IAS
6650	Q2NKX8	175	PGMRVK TFHG PSK
6651	Q2NKX8	201	NGVIIT TYQM LIN
6652	Q2NKX8	235	EAHKIK TSST KSA
6653	Q2NKX8	285	LLGTLK TFK MEYE

6654	Q2NKX8	303	AREKDA T PGEKAL
6655	Q2NKX8	397	KELLMET RS SPLAE
6656	Q2NKX8	479	RDEGHQ T LVFSQS
6657	Q2NKX8	511	RIDGTV T HLLERE
6658	Q2NKX8	679	DHDLMY T CDLSVK
6659	Q2NKX8	873	YVLSKS T KADIGP
6660	Q2NKX8	1142	GEASKY T EEDPSG
6661	Q2NKX8	1197	DKAAEAT T NDYETL
6662	Q2PPJ7	26	PKKDVL T RLKHLR
6663	Q2PPJ7	281	PKPVYI T TTRDNE
6664	Q2PPJ7	320	KKYLTAT T QNTKNG
6665	Q2PPJ7	355	LDGGGP T EQDKSH
6666	Q2PPJ7	654	TAVLAR T VYGVEM
6667	Q2PPJ7	734	IVRQKA T EVEECQ
6668	Q2PPJ7	754	AGSGHL T VGQQQQ
6669	Q2PPJ7	856	DTTLGC T NEAELS
6670	Q2PPJ7	868	SMGPWQ T CEEDPE
6671	Q2PPJ7	1706	NGSTGQ T APYYAT
6672	Q2PPJ7	1714	PYYATS T VEVIFH
6673	Q2PPJ7	1785	MFFIAI T KKPEVP
6674	Q2TAY7	29	LHRALAT T LQEETT
6675	Q2TAY7	72	LKLDPK T LIDLIE
6676	Q2TAY7	276	MCFSRD T EMPLATG
6677	Q2TAY7	399	TAGTDI T VNSVIL
6678	Q2V2M9	60	HKLDDC T LQLSHN
6679	Q2V2M9	102	HSIILR T QLSVRV
6680	Q2V2M9	272	MTLVNK T LSGLPD
6681	Q2V2M9	782	APVQPK T ESDYIW
6682	Q2V2M9	1036	AEQFLL T LSSISE
6683	Q2V2M9	1100	GNFLNG T NAKAFE
6684	Q2V2M9	1131	LLHHVC T MVVENF
6685	Q2V2M9	1276	HRERNK T RGKMIT
6686	Q2V2M9	1335	PALGVR T RSRASR
6687	Q2V2M9	1348	GSTSSW T MGTDSD
6688	Q2V2M9	1351	SSWTMG T DDSPNV
6689	Q2V2M9	1374	RIVKSAT T QVPSQR
6690	Q3MHD2	73	EIINDR T ETPPPL
6691	Q3MHD2	75	INDRT T ETPPPLAS
6692	Q3MHD2	93	LASKAR T EKEEKL
6693	Q3MHD2	143	MEEVVI T PPYQVE
6694	Q3SXM5	76	AVVSGA T DGIGKA
6695	Q3SXM5	163	PYPQY T QLSEDK
6696	Q3SXM5	256	YVATSM T APSNFL
6697	Q3SXM5	290	GISKRT T GYWSHS
6698	Q3V6T2	93	KFY T YQETLQQLIM
6699	Q3V6T2	458	HEVNE L TSSRLK
6700	Q3V6T2	898	ELVKRA T IDIKTL
6701	Q3V6T2	1261	SQLLKE T EVLTQTD
6702	Q4G163	20	EAYVTL T SKSSRF
6703	Q4G163	27	SKSSRF T DETEIL
6704	Q4G163	30	SRFTDE T EILKMS
6705	Q4G163	63	VNSKY S TFRDFCS
6706	Q4G163	213	VTSTLK T EEVTSC
6707	Q4G163	291	SSVSG T TCGTDED
6708	Q4G163	330	VRGSIS T PEDSGF
6709	Q4G163	440	LKNLSK T PALQLV
6710	Q4G163	499	EKLDIL T ELKYRN
6711	Q4G163	518	MVLES L TAESLCS

6712	Q4G163	598	QREQGSTLSPWGE
6713	Q4G163	661	RGLCSR T ACGFDF
6714	Q53EL6	33	DEENAG T EEIKNE
6715	Q53EL6	154	ENCVYET T VVLPLD
6716	Q53EL6	229	LSDLCG T VMSTTD
6717	Q53EL6	375	IMVLE S TGESTFK
6718	Q53ET0	307	LSGGNS T SNLTHT
6719	Q53ET0	385	RHVLPT T SLGHPS
6720	Q53ET0	458	PKQFSPT T MSPTLS
6721	Q53ET0	462	SPTMSPT L SSITQ
6722	Q53EZ4	39	EIAHLK T SVDEIT
6723	Q53EZ4	220	HSLPQQ T KKPESE
6724	Q53EZ4	337	QVQFLY T SLLKQQ
6725	Q53EZ4	411	ITEPLV T FQGETE
6726	Q53FA7	116	PEGLTL T QAAAIP
6727	Q53FA7	171	GAIPLV T AGSQKK
6728	Q53FA7	201	EDFSEAT L KFTKG
6729	Q53FA7	205	EATLK F TKGAGVN
6730	Q53GL7	55	GCGGVL T FREPAD
6731	Q53GL7	100	QGLPPG T TPQRL
6732	Q53GL7	162	NLGLEG T LVSLAR
6733	Q53GL7	280	KHALLR T GGLVTA
6734	Q53GL7	322	GRGIM T TGSGQEP
6735	Q53GL7	546	FQCVFG T ERLATA
6736	Q53GL7	553	ERLATAT L DTGLE
6737	Q53GL7	564	LEEVD P TEALPVL
6738	Q53GL7	579	NAHTLW T PDSTGG
6739	Q53GL7	644	EPVAP S TVAPRWL
6740	Q53GL7	827	ERLAENT G EFQEV
6741	Q53GL7	840	VRAFYD T LDAARS
6742	Q53H47	54	PAPFQY T PDHVVG
6743	Q53H47	380	NAFGPG T ANERTV
6744	Q53H47	494	FLDRIV T CDEKWI
6745	Q53H47	663	STDFYAT G INQLI
6746	Q53HL2	13	SSRVAK T NSLRRR
6747	Q53HL2	100	TEINKL T AETAIQT
6748	Q53HL2	113	PLKSAK T RKVIQV
6749	Q53HL2	139	ERKNLQ T ARVKRC
6750	Q53HL2	152	PPSKR T QSIQ GK
6751	Q53HL2	171	SRANTV T PAVGRL
6752	Q53HL2	185	VSMVK P TPGLTPR
6753	Q53HL2	199	DSRVFK T PGLRTP
6754	Q5FBB7	50	CQIITN T STLLKN
6755	Q5FBB7	146	QIPLE E TELPGQG
6756	Q5FBB7	181	SGEAK S TDNVLP
6757	Q5FBB7	488	VNYKE P TLASKLR
6758	Q5FYB1	102	SRSQLL T GRYQIH
6759	Q5FYB1	172	TFLGSL T GNVDYY
6760	Q5FYB1	209	LSGQY S TMLYAQR
6761	Q5FYB1	254	YLYRYR T MGNVAR
6762	Q5JRA6	277	MTLDLK T KFGSTA
6763	Q5JRA6	292	LVSDDE T TRLVTS
6764	Q5JRA6	708	VGQTDQ T DSTGGP
6765	Q5JRA6	1093	QRVIGD T HASEVS
6766	Q5JVF3	156	RVCASD T RAGIED
6767	Q5JVF3	206	LKDDY S TAQRVTY
6768	Q5JVF3	267	LLGHMP T VELLKK
6769	Q5JVF3	321	EKLKI I TYRNLFK

6770	Q5KSL6	735	SAEKSAT E YADSS
6771	Q5KSL6	813	PEDINQ T SPRRRS
6772	Q5KSL6	938	IVVLNI T SYAGGI
6773	Q5KSL6	1149	NDAVDV T FSLKGL
6774	Q5SQ64	13	LLFLCG T PQAADN
6775	Q5SQ64	158	RRMDSV T WQEGKG
6776	Q5SQ64	205	IIRCLM T HNKGVS
6777	Q5SQ64	242	ILMLLL T MGQGVV
6778	Q5T1C6	82	LPSYKR T PTEWIQ
6779	Q5T1C6	84	SYKRTP T EWIQDF
6780	Q5T1C6	158	HGGAIAT T MIDATV
6781	Q5T1C6	221	QSVDEK T LYSEAT
6782	Q5TA31	173	RRKKAL T DYKKLR
6783	Q5TA31	208	DELADP T ERFRSL
6784	Q5TAQ9	144	DWVSSE T SALPRP
6785	Q5TAQ9	270	VAELSA T QCCKNT
6786	Q5TAQ9	325	ASKLVV T KEKEKK
6787	Q5TAQ9	391	ESKANI T CLVYSH
6788	Q5VT25	138	GDNKWI T TLHYAF
6789	Q5VT25	368	VSSPTD T SNFDVD
6790	Q5VT25	434	DVNVQR T LDNNLA
6791	Q5VT25	687	EHQQEI T KLKTDL
6792	Q5VT25	691	EITKLK T DLEKKS
6793	Q5VT25	746	KDKLEK T RRESQS
6794	Q5VT25	959	FLAFLN T PTDALD
6795	Q5VT25	992	TPLSVH T PTRLKK
6796	Q5VT25	1060	CVNKAP T TCPVPP
6797	Q5VT25	1483	SMEWIQ T LPLKKV
6798	Q5VT25	1505	NLLGLE T IRLIYF
6799	Q5VT25	1575	KLISNP T NFNHIA
6800	Q5VTD9	189	RRSHSG T RPFACD
6801	Q5VTD9	293	QSSNLI T HSRKHT
6802	Q5VTD9	299	THSRKH T GFKPFS
6803	Q5VTD9	310	FSCELC T KGFQRK
6804	Q5VWQ8	353	EFAEHI T NHYLGL
6805	Q5VWQ8	416	LIFRENT L ATKAI
6806	Q5VWQ8	655	VHTALS T PGSGQL
6807	Q5VWQ8	808	RAGQTP T TPGTSE
6808	Q5VWZ2	50	VLNQDL T FQHIKI
6809	Q5VWZ2	67	APPRSY T PMKGGI
6810	Q5VWZ2	84	FDRFKI T NDCPEH
6811	Q5VWZ2	102	VMCQVL T DLIDEE
6812	Q5VY43	36	SFWESF T TTTKES
6813	Q5VY43	64	PWEGPH T CPQPTV
6814	Q5VY43	288	GLCDRF T GQCRCA
6815	Q5VY43	512	TGACTC T PGWHGA
6816	Q5XUX0	28	RRGPAE T AAADSE
6817	Q5XUX0	285	QYDNCL T YRRIYL
6818	Q5XUX0	329	GRRARG T KITGDP
6819	Q5XUX0	515	YSRVQA T FRNADA
6820	Q684P5	259	EHEVNN T FKFGVI
6821	Q684P5	510	RSHSMET T MVGGQK
6822	Q684P5	541	SMEVTK T TFSPPV
6823	Q684P5	572	LFPRLH T GSEGQG
6824	Q69YN4	315	ADLERET T FKYPNF
6825	Q69YN4	435	GQLVDW T MQALNL
6826	Q69YN4	1223	QYTSQT T RLALL
6827	Q69YN4	1761	LRPLSS T GYRPSP

6828	Q6AI12	46	NEVNGW T CLHWAC
6829	Q6AI12	74	ADKEIL T TKGEMP
6830	Q6AI12	150	QNGG P ST P PPASPP
6831	Q6AI12	174	EPPL L G T FPRDHT
6832	Q6B0I6	73	SEILIA T PLQOVA
6833	Q6B0I6	265	IPFNRI T QEAGEF
6834	Q6B0I6	318	CGEARV T FSMDAF
6835	Q6B0I6	469	QELTLQ T PAKRPL
6836	Q6DN03	20	GSKKAV T KAQKGD
6837	Q6DN03	89	HYNKR S TITSRRS
6838	Q6DN03	110	PASWP S T P CPRAP
6839	Q6DN03	122	PRRSP S T P APSES
6840	Q6DN72	93	VMYIPQ T FTQTSE
6841	Q6DN72	134	VTLR C Q T KLHPLR
6842	Q6DN72	377	YSVVHR T SKRSEA
6843	Q6DN72	389	ARSAE F T V GRKDS
6844	Q6GTX8	123	ELLV K E T SGGPDS
6845	Q6GTX8	132	GPDS P D T EPGSSA
6846	Q6GTX8	220	VDVLER T ADKATV
6847	Q6GTX8	250	GSSQEV T YAQLDH
6848	Q6JBY9	94	KLQANL T FDPAAL
6849	Q6JBY9	124	FHSP P S T PSSPGV
6850	Q6JBY9	246	RRSPSR T EKQEED
6851	Q6JBY9	255	QEEDRA T EEAKNG
6852	Q6NXS1	19	GILKN K TSTTSSM
6853	Q6NXS1	92	CRDTET T EAMAPG
6854	Q6NXS1	177	DEEMLE T ADGESM
6855	Q6NXS1	185	DGESMN T EESNQG
6856	Q6NZI2	71	VDQIQ L TQAQLEE
6857	Q6NZI2	244	KEKME K TKVRTRE
6858	Q6NZI2	259	EKTRL K T K ENLEK
6859	Q6NZI2	292	RREKL K T S RDKLR
6860	Q6P1J9	38	WPKNV K T N YVVG
6861	Q6P1J9	199	KRSTI K TDLDDDI
6862	Q6P1J9	235	RVWRTR T ILQST
6863	Q6P1J9	495	VQKW D V T VLELSY
6864	Q6P1N0	334	QPPT P A T APSTTE
6865	Q6P1N0	418	IQGLEA T KPTQOS
6866	Q6P1N0	470	KAPPSR T PQSGSA
6867	Q6P1N0	478	QSGSA P TAKAPPK
6868	Q6P2Q9	231	YQRWQ F T L PMMST
6869	Q6P2Q9	418	NLRSGR T RRALDI
6870	Q6P2Q9	531	KPVK T L T TKERKK
6871	Q6P2Q9	1800	FEGNL T T K PINGA
6872	Q6P5Z2	45	NLRRVA T DRRHLG
6873	Q6P5Z2	128	QGAENM T HTCASG
6874	Q6P5Z2	135	HTCASG T PKERKL
6875	Q6P5Z2	275	GTPVK P T A LTGTL
6876	Q6P5Z2	315	SEGWL R T K AKHQR
6877	Q6P5Z2	344	NRVVGQ T GWQOVA
6878	Q6P5Z2	470	PCSSP S T I SPPKG
6879	Q6P5Z2	501	NFLPK K T P LGEEM
6880	Q6P5Z2	523	YLPQ E P T SEETPR
6881	Q6P5Z2	527	EPTSE E T P R T KRP
6882	Q6P5Z2	716	IGFGDR T STFCGT
6883	Q6P5Z2	821	QPFFR T T N WQALL
6884	Q6P988	97	LHLLL N T S VTEND
6885	Q6P988	157	DWPRT R T G TGILS

6886	Q6P988	284	DCVDTITCAPTEA
6887	Q6P988	427	SHKASKTPLKGCP
6888	Q6PCB0	84	VGSRPYTEFFPGQ
6889	Q6PCB0	221	PQQLHATEITSSG
6890	Q6PCB0	389	AGRNCTTLQGLAP
6891	Q6PCB0	404	AYLVTVTAAFRSG
6892	Q6PCD5	318	GYRCISTWLKGQV
6893	Q6PCD5	352	TLRALDTSSEQERM
6894	Q6PCD5	531	TSLETNTVVQTYN
6895	Q6PCD5	700	PTCKLLTKNAIFQ
6896	Q6PHR2	17	LDGFILTERLGSG
6897	Q6PHR2	27	GSGTYATVYKAYA
6898	Q6PHR2	61	SVENLLTEIEILK
6899	Q6PHR2	105	LSRFIHTRRILPE
6900	Q6PKG0	138	LPPVLTTVNGQSP
6901	Q6PKG0	178	DAINWPTPGEIAH
6902	Q6PKG0	295	KGSESATYVPVAP
6903	Q6PKG0	439	DGFLPITLIASFH
6904	Q6PKG0	515	QHYQKETESAPGS
6905	Q6PKG0	530	AVTPVPKTEEVVS
6906	Q6PKG0	540	EVSNLKTLPKGLS
6907	Q6PKG0	770	ARSLPTTVPESPN
6908	Q6PKG0	782	NYRNTRTPRTPRT
6909	Q6PKG0	865	VGSYGCTPQSLPK
6910	Q6PKG0	886	LKENGFTQHVVHK
6911	Q6PKG0	978	KDFQEETVKDYEA
6912	Q6Q788	9	SMAAVLTWALALL
6913	Q6Q788	21	LSAFSATQARKGF
6914	Q6Q788	34	WDYFSQTS GDKGR
6915	Q6Q788	133	QQLKPYTMDLMEQ
6916	Q6Q788	158	RVVGEDTKAQLLG
6917	Q6Q788	236	VLSRKLTLKAKAL
6918	Q6Q788	264	SRAFAGTGTEEGA
6919	Q6Q788	266	AFAGTGTEEGAGP
6920	Q6Q788	292	QAFRQD TYLQIAA
6921	Q6Q788	300	LQIAAFTRAIDQE
6922	Q6Q788	331	APEFQQTDSGKVL
6923	Q6Q788	352	DLWEDITHS LHDQ
6924	Q6R327	166	LFPSSVTNSLIIV
6925	Q6R327	424	HISVRATILLGEL
6926	Q6R327	653	QNNGLLTTLSQHY
6927	Q6R327	967	VLSIRGTCVYVLG
6928	Q6R327	1152	DFTPISTVQKTLQ
6929	Q6R327	1186	ENDLKFTKNFGTE
6930	Q6R327	1266	STKTIKTSHYLTP
6931	Q6R327	1472	GGLPSGTGGLVKN
6932	Q6R327	1558	SDWCEQTIHNPLE
6933	Q6R327	1605	KTIPDDTPMCRIL
6934	Q6R327	1646	KEKYPQTFDDICL
6935	Q6R327	1695	AEAVLATPPKQPI
6936	Q6S5L8	81	PSQESPTPLCTLI
6937	Q6S5L8	159	HRATALTPDSCPL
6938	Q6S5L8	448	VQSQRDTSLLKHT
6939	Q6S5L8	553	LVRESATSPGQYV
6940	Q6TGC4	63	LIDVANTVISEKE
6941	Q6TGC4	256	GNHLKETFYVEAI
6942	Q6TGC4	379	TSLILDTPQAADL
6943	Q6TGC4	597	FCLEKL TNIPSDQ

6944	Q6U736	125	GSLITMTAVSLDR
6945	Q6U736	164	AYASFWTTMPLVG
6946	Q6U736	184	PFGTSC ^T LDWWLA
6947	Q6U736	251	VLEMKL ^T KVAMLI
6948	Q6UUV9	163	QSTMTPTQ ^T PESFS
6949	Q6UUV9	191	VPGMEET ^T SEADK
6950	Q6UUV9	299	AGQGMST ^T PGSSPQ
6951	Q6UUV9	538	AAMMGL ^T GSHGSL
6952	Q6UWZ7	58	DVEVVY ^T IDIQKY
6953	Q6UWZ7	189	SGSCMST ^T GFSRAV
6954	Q6UWZ7	330	TLMVEHT ^T DIPEAS
6955	Q6UWZ7	374	KRSKAD ^T GSSNQD
6956	Q6WN34	116	SCQHNG ^T MYQHGE
6957	Q6WN34	154	IYCGLT ^T CPEPGC
6958	Q6WN34	379	KGIFHL ^T QIKKVR
6959	Q6WN34	420	TLELKV ^T ASPDKV
6960	Q6ZMU5	26	LFDAPV ^T AECGHS
6961	Q6ZMU5	50	EPAADG ^T VLCPC
6962	Q6ZMU5	235	VADKPQ ^T EFLMKY
6963	Q6ZMU5	245	MKYCLV ^T SRLQKI
6964	Q6ZN04	269	SLWSKPT ^T PSITPT
6965	Q6ZN04	297	SLGSAST ^T DSYFGG
6966	Q6ZN04	312	SSSAAAT ^T QRLADY
6967	Q6ZN04	559	ECPVCH ^T AVTQAI
6968	Q6ZSY5	267	FVVRYET ^T PEGTFW
6969	Q6ZSY5	350	KNMDDN ^T FAMAEH
6970	Q6ZSY5	379	RPWPQM ^T LQVSDV
6971	Q6ZSY5	671	SLGEAG ^T EAQIEV
6972	Q6ZUJ8	231	KVENEY ^T ISVKAP
6973	Q6ZUJ8	302	TLDKLL ^T ESLKNN
6974	Q6ZUJ8	610	GQRQLI ^T LQEQVK
6975	Q6ZUJ8	770	QVDGTP ^T MSLERP
6976	Q70E73	60	SPLRQET ^T NMANFS
6977	Q70E73	184	DTKPLV ^T NQHRRT
6978	Q70E73	190	TNQHRR ^T ASAGTV
6979	Q70E73	762	TQVAPP ^T PPPPPP
6980	Q712K3	31	VEGFRI ^T LVDESD
6981	Q712K3	74	YPYSPPT ^T FRFLTK
6982	Q712K3	185	DGVKVP ^T TTLAEC
6983	Q712K3	194	AEYCIK ^T KVPSND
6984	Q71F23	27	KNTLER ^T HSMKDK
6985	Q71F23	159	SAEKIST ^T QRHEVI
6986	Q71F23	168	HEVIRT ^T ASSELS
6987	Q71F23	186	SVTSKK ^T GPLSAQ
6988	Q71F23	208	IESQSK ^T QKKGKI
6989	Q71F23	231	KAIGSD ^T SDIVHI
6990	Q71F23	245	CPEGMK ^T SDIKEL
6991	Q71F23	261	LPEFEK ^T HLEHQQ
6992	Q71F23	280	CKAAIAT ^T FYVNVK
6993	Q71F23	339	QLKQLQ ^T KYDELK
6994	Q71F23	381	EPNVKET ^T YDSSSL
6995	Q71F23	396	LLFKART ^T LLGAES
6996	Q71RC2	89	TGIEEST ^T DGMILG
6997	Q71RC2	116	SNSAVST ^T EDLKEC
6998	Q71RC2	430	TYLQKET ^T STLQVE
6999	Q71RC2	595	KPSRAST ^T ASPCNN
7000	Q7KZF4	179	IRDLKY ^T IENTPRH
7001	Q7KZF4	633	LSKVHF ^T AERSSY

7002	Q7KZF4	691	VFVTEI T DDLHFY
7003	Q7KZF4	841	AGCPHV T LQFADS
7004	Q7L2H7	122	NTPVRY T VYCSLI
7005	Q7L2H7	142	AIQYIP T ELDQVR
7006	Q7L2H7	242	LIHDLL T IFVSAK
7007	Q7L2H7	328	YCKIDQ T QRKVVV
7008	Q7L5D6	60	MSQSKH T EARELM
7009	Q7L5D6	184	MLVEYS T SRGFRS
7010	Q7L5D6	253	VDGGKL T VFTVLC
7011	Q7L5D6	303	LLGNLL T SLMGSS
7012	Q7L5Y1	18	RDVRF T SLGGHG
7013	Q7L5Y1	57	GCGIT T LGKYTE
7014	Q7L5Y1	115	GVVHLA T AAVLNA
7015	Q7L5Y1	191	QGYPAY T TSCAWL
7016	Q7L804	18	PTHVQV T VLQAKD
7017	Q7L804	331	FEES T WDSSMN
7018	Q7L804	409	ESTNP T AKFRAS
7019	Q7L804	428	SFHMS T SNEDLR
7020	Q7RTN6	38	EQPPGD T RRKTND
7021	Q7RTN6	42	GDTRRK T NDASSE
7022	Q7RTN6	84	GFEDLM T VNLARY
7023	Q7RTN6	93	LARYKP T GEYVTV
7024	Q7RTN6	98	PTGEYV T VRRINL
7025	Q7RTN6	136	IVPYRA T FIADNE
7026	Q7RTN6	268	IYSVG T IACELAN
7027	Q7RTN6	285	FKDMPA T QMLLEK
7028	Q7RTN6	311	IPAEEL T MSPSR
7029	Q7RTN6	328	GLSDSL T TSTPRP
7030	Q7RTN6	347	SHPYHR T FSPHFH
7031	Q7RTN6	401	RPVTP T INFEGSQ
7032	Q7Z406	51	SPQVEW T ARRLVW
7033	Q7Z406	390	RNTDQA T MPDNTA
7034	Q7Z406	669	RRGMFR T VGQLYK
7035	Q7Z406	749	QRYEIL T PNAIK
7036	Q7Z417	117	LSSDEA T NPISRV
7037	Q7Z417	199	NNSGY T INGYMGK
7038	Q7Z417	289	ETGPGG T SRGKPA
7039	Q7Z417	437	GGQPLL T TAANTL
7040	Q7Z4W1	67	LGDWEA T ERALGS
7041	Q7Z4W1	184	NPTVVM T SMGQAT
7042	Q7Z4W1	190	TSMGQA T WSDPHK
7043	Q7Z4W1	231	DRSGMT T GSTLPV
7044	Q7Z5L9	33	AMIWDF T EPVCRG
7045	Q7Z5L9	147	SLAQPP T PQPPPV
7046	Q7Z5L9	394	KIPMT T SSFVSP
7047	Q7Z5L9	413	PHSNRT T PPEAAQ
7048	Q7Z6J0	91	PGGGSG T NCTNAL
7049	Q7Z6J0	185	IHGFF T PNFVQII
7050	Q7Z6J0	486	DGWFKG T SMHTSK
7051	Q7Z6J0	706	CGNSSA T KPKDKS
7052	Q86T82	75	QSRLML T LQDNSF
7053	Q86T82	182	GSGIAR T IPSLTS
7054	Q86T82	589	IIPRYL T LSSHCT
7055	Q86T82	762	ETEKPK T ITELDP
7056	Q86U42	184	NVDYG T AEELEA
7057	Q86U42	202	GSVNRV T ILCDKF
7058	Q86U42	256	NRPGIS T TDRGFP
7059	Q86U42	257	RPGIST T DRGFPR

7060	Q86UC2	126	HNTLAP T CFKAKL
7061	Q86UC2	151	SALTDRT S RAPST
7062	Q86UC2	159	RAPSTY T YTSRPR
7063	Q86UC2	161	PSTYTY T SRPRAL
7064	Q86UC2	179	RYRDSL T QPDEEP
7065	Q86UC2	207	NTYALQ T GPLLGR
7066	Q86UC2	277	VDMECQ T DAFLDR
7067	Q86UC2	454	YSMVGR T VLDMLI
7068	Q86UC2	494	GGPGAM T ESLEAS
7069	Q86UC2	510	EQSMSQ T RELLLD
7070	Q86UC2	523	GGYLQR T TYDRRS
7071	Q86UC2	524	GYLQRT T YDRRSS
7072	Q86UP2	770	ELNAIR T ENSSLT
7073	Q86UP2	893	EKDLAN T GKWLQD
7074	Q86UP2	1304	VKAAGD T TVIENS
7075	Q86UP2	1331	SVSLNQ T VTQLQQ
7076	Q86UQ8	25	LSSGAET T REGLRS
7077	Q86UQ8	46	RPRKQAT A AGQRK
7078	Q86UQ8	67	CACTSV T DLTYWG
7079	Q86UQ8	150	SQSNPP T RISSAL
7080	Q86UR1	66	AFDQAV T KDTCMA
7081	Q86UR1	111	HAAIDY T QLGLRF
7082	Q86UR1	263	ADRCTS T AYQEQR
7083	Q86UR1	317	EPLVTV T VQCAFT
7084	Q86V48	249	EDGISS T LPSKES
7085	Q86V48	537	SDTSSE T VFGKRG
7086	Q86V48	733	TMELPD T NGAGVK
7087	Q86V48	1004	TVSEVL T RRNRVG
7088	Q86V81	104	GGAGVET T GKLLV
7089	Q86V81	131	LFAEFG T LKKA AV
7090	Q86V81	201	VNRGGM T RNRGAG
7091	Q86V81	219	GGTRRG T RGGARG
7092	Q86VP1	207	AEQKGL T EVTQSL
7093	Q86VP1	366	EEQVQAT T RQEVVF
7094	Q86VP1	478	NNNNVF T KKTGNO
7095	Q86VP1	702	EDENVPT A PDPPS
7096	Q86W56	11	PGCEPCT T KRPRWG
7097	Q86W56	80	FKQKTI T SWMDTK
7098	Q86W56	104	SKENNN T RIESMM
7099	Q86W56	174	LESEPQ T VTLVPE
7100	Q86W56	322	SEADEET S PGFDE
7101	Q86W56	377	EGGESRT T GMNDLN
7102	Q86W56	411	KKDSKI T DHFMRL
7103	Q86W56	430	RKEQWET T KHQ RTE
7104	Q86W56	435	ETKHQR T ERKIPK
7105	Q86W56	772	IISRLF T EVLDHN
7106	Q86W56	919	SMHIFL T ERKLT V
7107	Q86W56	924	LTERKL T VGDVYK
7108	Q86WB0	229	DELDHRT T DERKTT
7109	Q86WB0	301	DASFGL T SSPIPG
7110	Q86WB0	375	ASPTTR T RPVTRS
7111	Q86WB0	446	SRENGG T EPDASA
7112	Q86WR7	17	SDMNSD T SPSCRL
7113	Q86WR7	167	PPPLPS T PDPPRR
7114	Q86WR7	227	RPGEWRT A PAARGP
7115	Q86WR7	377	GPALPS T RARQSF
7116	Q86WV6	32	LSACLVT L WGLGE
7117	Q86WV6	84	RGSYWR T VRACLG

7118	Q86WV6	229	DKLPQQ T GDHAGI
7119	Q86WV6	267	YATPLQ T LFAMSQ
7120	Q86X55	88	CSVSRE T ECSRVG
7121	Q86X55	217	YAVEAS T MAQHAE
7122	Q86X55	437	GDTLSG T CLLIAN
7123	Q86X55	541	LIPLAN T GIVNHT
7124	Q86XR7	51	VAEHSN T TEGPTG
7125	Q86XR7	52	AEHSN T TEGPTGK
7126	Q86XR7	90	LHAEDD T DEALRV
7127	Q86XR7	225	QTIWK E TRNMVQR
7128	Q86YS7	352	REFPFF T LTAFFP
7129	Q86YS7	547	MEYEVH T QLMNKL
7130	Q86YS7	788	DELIQV T VTAVAI
7131	Q86YS7	889	IPGAKI T KYLGII
7132	Q8IU85	28	IFEFKE T LGTGAF
7133	Q8IU85	31	FKETLG T GAFSEV
7134	Q8IU85	45	LAEEKAT T GKLFAV
7135	Q8IU85	117	VEKGFY T EKDAST
7136	Q8IU85	123	TEKDAS T LIRQVL
7137	Q8IU85	184	MSTACG T PGYVAP
7138	Q8IU85	269	DPNKRY T CEQAAR
7139	Q8IU85	283	PWIAGD T ALNKNI
7140	Q8IU85	313	RQAFNAT T AVVRHM
7141	Q8IU85	352	DCLAP S T LCSFIS
7142	Q8IU85	375	ERRPR P T TVTAVH
7143	Q8IU85	376	RRPR P T TVTAVHS
7144	Q8IUR7	77	QQETS S T ELKTEC
7145	Q8IUR7	261	TSAKCL T YMCRAG
7146	Q8IUR7	513	ILRSL S T EQLFRL
7147	Q8IUR7	576	IEVKEQ T LCILAN
7148	Q8IVP5	24	YEVLDL T EYARRH
7149	Q8IVP5	52	EKYSVAT T QIVMGG
7150	Q8IVP5	77	VGKLAAT T AVGGGF
7151	Q8IVP5	132	NLIEEAT E FIKQN
7152	Q8IVT2	50	GQDEPQ T WPTDHR
7153	Q8IVT2	74	YSVHAY T GQPSPR
7154	Q8IVT2	157	AVRKSS T VATLQG
7155	Q8IVT2	160	KSSTVAT L QGTPD
7156	Q8IVT2	179	PGPPRS T PLEENV
7157	Q8IVT2	223	RGTPAG T TPGASQ
7158	Q8IVT2	266	KVRAVP T WASVQV
7159	Q8IVT2	317	RGLRQAT D HQELV
7160	Q8IVT2	338	TKLSLI T APRRER
7161	Q8IVT2	433	PYLSPG T PQLEFS
7162	Q8IVT2	459	AEAKAAT S PKATM
7163	Q8IVT2	658	LEAIRV T RHKNAM
7164	Q8IW19	23	ALAPGE T VIGRGP
7165	Q8IW19	128	DNILNE T PKSPVI
7166	Q8IW19	160	KTQMT P TNSVSFL
7167	Q8IW19	258	GEECKN T DQEEST
7168	Q8IW41	25	EYSINW T QKLGAG
7169	Q8IW41	44	VCVKK S T QERFAL
7170	Q8IW41	186	LMTPQ F T PYYVAP
7171	Q8IW41	211	KSGIIP T SPTPYT
7172	Q8IW41	214	IIPTSP T PYTYNK
7173	Q8IW41	217	TSPTPY T YNKSCD
7174	Q8IW41	249	SKHHSR T IPKDMR
7175	Q8IW41	260	MRRKIM T GSFEFP

7176	Q8IW41	294	KPEERL T IEGVLD
7177	Q8IW41	307	HPWLNS T EALDNV
7178	Q8IW41	368	KRKLLG T KPKDSV
7179	Q8IW41	435	CKLLRD T LQSFSW
7180	Q8IWL1	133	LQGSIM T VGEKVF
7181	Q8IWL1	183	FVKKYNT T YAYVGL
7182	Q8IWL1	209	GTPVNY T NWYRGE
7183	Q8IWL1	229	QCVEMY T DGQWND
7184	Q8IWT6	28	PWWDVF T DIYSIV
7185	Q8IWT6	48	GGTLQV T QDKMIC
7186	Q8IWT6	579	SINNEG T KLIVLN
7187	Q8IWT6	716	LQNLAI T ANRIET
7188	Q8IX03	229	AIKKAI T CGEKEK
7189	Q8IX03	363	ISPRKW T QGEVEQ
7190	Q8IX03	660	SEAVGAT T RIQIAL
7191	Q8IX03	778	RSGERST T RWYNLL
7192	Q8IXJ6	48	RNLFSQ T LSLGSQ
7193	Q8IXJ6	63	RLLEL T LEGVAR
7194	Q8IXJ6	171	YTQNID T LERIAG
7195	Q8IXJ6	218	KIFSEV T PKCEDC
7196	Q8IY84	31	VESGCQ T ESSKEG
7197	Q8IY84	46	GQPRQL T PFEKLT
7198	Q8IY84	52	TPFEKL T QDMSQD
7199	Q8IY84	66	KVVREI T LGKRIG
7200	Q8IY84	96	LGIHSL T KEKVAI
7201	Q8IY84	114	TKLDQK T QRLLSR
7202	Q8IY84	205	AENVFY T SNTCVK
7203	Q8IY84	268	YFMVTG T MPFRAE
7204	Q8IY84	287	KSILEG T YSVPPH
7205	Q8IY84	332	QGVPHY T PLEPFQ
7206	Q8IY84	349	HLSET T SLKEEEN
7207	Q8IY84	367	LEHLGI T EEHIRN
7208	Q8IYA6	149	NIEQLK T TKQQLT
7209	Q8IYA6	316	YERPNE T KIRSYP
7210	Q8IYA6	449	VTTVNG T QTNPNI
7211	Q8IYA6	610	RTTEGI T SDSLVA
7212	Q8IYB3	53	VIKPWI T KRVTEI
7213	Q8IYB3	288	SKSRSR T SRSPS
7214	Q8IYB3	378	KKPPKR T SSPPRK
7215	Q8IYB3	727	IRRVSR T PEPKKI
7216	Q8IZP0	50	RKALEE T KAYTTQ
7217	Q8IZP0	121	NKNTSR T HKI IAP
7218	Q8IZP0	191	PMSGRG T LGRNTP
7219	Q8IZP0	458	VAIYDY T KDKDDE
7220	Q8IZS5	14	QKALKQ T KQKSK
7221	Q8IZS5	54	DLSACQ T AEEKVI
7222	Q8IZS5	68	HDMPDR T LAAHQQ
7223	Q8IZS5	217	ILLKVT T AVIRSR
7224	Q8N122	101	PQKALE T IGANLQ
7225	Q8N122	264	LPADLF T TSCLTTP
7226	Q8N122	268	LFTSCL T TPIKIA
7227	Q8N122	395	CLSQLP T IIIEGT
7228	Q8N122	639	RTDHST T IDHNVA
7229	Q8N122	680	YESNFC T VALQFI
7230	Q8N122	699	ALPSPAT T TEGGSL
7231	Q8N122	714	VRDSPCT T PRLRSV
7232	Q8N122	745	LQNL T SLTEESGGA
7233	Q8N122	857	LDTSSL T QSAPAS

7234	Q8N122	954	KSFISATVQTGFC
7235	Q8N122	1088	SLLLTATDDGAIR
7236	Q8N163	21	GRNFSGTASTSLL
7237	Q8N163	229	PYRVHLTPYTVDS
7238	Q8N163	232	VHLTPYTVDSPIC
7239	Q8N163	299	AGAEPITADSDPA
7240	Q8N163	338	MAEPRETPEHPLK
7241	Q8N163	383	PQVLVRTAIRCAQ
7242	Q8N163	431	YLPDVWTIMPTLE
7243	Q8N163	464	QGETEPTAQAPDA
7244	Q8N163	488	AETPEATTQQETD
7245	Q8N163	493	ATTQQETDSDLPE
7246	Q8N163	495	TQQETDSDLPEAP
7247	Q8N163	790	PPPGKSTKPGAAP
7248	Q8N1G4	322	ENPVPLTVRVSP
7249	Q8N1G4	360	RFLTSQTKLHEDL
7250	Q8N1G4	470	ITNSEKTKVKKTT
7251	Q8N1G4	574	SKADLATAPPHVT
7252	Q8N264	8	EENNDSTENPQQG
7253	Q8N264	97	GDRDRMTANHESY
7254	Q8N264	202	PSFDSNTDVHTVA
7255	Q8N264	354	EIQKKATMGQLQN
7256	Q8N264	449	AEGLEKTQTPNG
7257	Q8N264	491	GILNSDTLGNPTN
7258	Q8N264	531	QHNRLSTYDNVHQ
7259	Q8N264	554	QSIDSATWSTSSC
7260	Q8N264	576	SCRSTTTCPEQD
7261	Q8N264	624	GRSSRATSSSDNS
7262	Q8N264	675	LEQRNLTELEMM
7263	Q8N264	678	RNLTELEMMSLH
7264	Q8N2E6	36	LASLRCTLGAFCE
7265	Q8N2E6	84	VRDPAPTCKPLVLS
7266	Q8N2E6	97	LHGWTGTGKSYVS
7267	Q8N2E6	151	WVQGNLTACGRSL
7268	Q8N4F0	22	PVVGASTPGTVVR
7269	Q8N4F0	129	TQSSIRTPVVSIS
7270	Q8N4F0	153	FDGSNSTSHALLV
7271	Q8N4F0	190	VNVHLGTLIGLNP
7272	Q8N4F0	212	SMVSVPTVTSYI
7273	Q8N4F0	214	VSVPTVTSYISL
7274	Q8N4F0	237	KPIILPTDATPFV
7275	Q8N4F0	256	TEGSMATVGLSQQ
7276	Q8N4F0	346	FVEVLATASNSAF
7277	Q8N4F0	378	KVKLQGTTSVLGD
7278	Q8N4F0	388	LGDVQLTVASSNV
7279	Q8N4F0	404	DTDQVRTLMGTVF
7280	Q8N4N8	180	RALDVNTRNPNYE
7281	Q8N4N8	228	PLNQRETTLKDLD
7282	Q8N4N8	229	LNQRETTLKDLDI
7283	Q8N4N8	237	KDLDIITVPSDNV
7284	Q8N4N8	283	ELVYQFTAQPLVE
7285	Q8N4N8	305	CFAYGQTGSGKTY
7286	Q8N4N8	355	DLKVYGTFFEIYG
7287	Q8N4N8	412	IGNSCRTSRQTPV
7288	Q8N4N8	492	GQNKPHTPFRASK
7289	Q8N4N8	514	IGQNSSTCMIATI
7290	Q8N4N8	533	CENTLNLTRYANR
7291	Q8N4N8	610	LLGKDTTISGKGS

7292	Q8N5C8	452	RVIPNP TT TVFKIT
7293	Q8N5C8	458	TTVFKI TV GRATT
7294	Q8N5C8	566	RRVSCT TA IPTPE
7295	Q8N5C8	570	CTTAIP TP EEMTR
7296	Q8N5Z0	21	NPSPIR TM TDILS
7297	Q8N5Z0	50	NMFPFK TA VITVE
7298	Q8N5Z0	190	KNPQKN TP KFLYT
7299	Q8N5Z0	275	LRIGFL TG PKPLI
7300	Q8NB16	90	NICRFL TA SQDKI
7301	Q8NB16	175	MKEIKE TL RQYLP
7302	Q8NB16	246	IAIVRQ TF NKEIK
7303	Q8NB16	253	FNKEIK TM KKFES
7304	Q8NB16	273	GICIDE TV TPPQF
7305	Q8NB16	275	CIDETV TP PQFSI
7306	Q8NB16	290	EYCELG TL RELLD
7307	Q8NB16	340	SSNFLV TQ GYQVK
7308	Q8NB16	355	GFELRK TQ TSMSL
7309	Q8NB16	364	SMSLGT TR EKTDR
7310	Q8NB16	368	GTTREK TD RVKST
7311	Q8NB16	374	TDRVKS TA YLS PQ
7312	Q8NBJ4	126	LQDQLK TL QRNYG
7313	Q8NBJ4	146	QFQKNQ TN LERKF
7314	Q8NBJ4	178	ERIEEV TK KGNEA
7315	Q8NBJ4	362	NEAESE TD KQAAL
7316	Q8NBP7	339	VITVGAT NA QDQP
7317	Q8NBP7	459	WQLFCR TV WSAHS
7318	Q8NBP7	468	SAHSGP TR MATAV
7319	Q8NBP7	472	GPTRMAT AV ARCA
7320	Q8NBX0	166	DLGVIY TR NKMNG
7321	Q8NBX0	351	YSQGTG TD KNKPN
7322	Q8NBX0	362	PNIKIC TQ VKGPE
7323	Q8NBX0	400	KAGGVF TP GAAFS
7324	Q8NCD3	334	SEPVKG TG ALRDC
7325	Q8NCD3	351	DVSCRK TG LKLEK
7326	Q8NCD3	380	WKERKV TP SKYSS
7327	Q8NCD3	673	AITRDG TR DHQFP
7328	Q8ND76	103	KYSSCS TI FLDDS
7329	Q8ND76	110	IFLDDS TV SQPNL
7330	Q8ND76	119	QPNLKY TI KCV AL
7331	Q8ND76	177	IYRFVR TL FSAAQ
7332	Q8ND76	185	FSAAQL TA ECAIV
7333	Q8ND76	192	AECAIV TL VYLER
7334	Q8ND76	201	YLERLL TY AEIDI
7335	Q8ND76	245	QILKDI TV EDMNE
7336	Q8NDC0	58	GLPPSAT TP STVPF
7337	Q8NDC0	61	PSATPS TV PFGPA
7338	Q8NDC0	78	YPSVPP TG PPPGP
7339	Q8NDC0	220	TPGLYP TP SNPFQ
7340	Q8NE71	449	EMQNR P TQKFSGG
7341	Q8NE71	479	LMLDE P TNHLDLN
7342	Q8NE71	580	QTKEAL TR KQQKC
7343	Q8NE71	737	LESHA TI QICKL
7344	Q8NFW8	121	VSKDSS TS SLDAII
7345	Q8NFW8	145	VGNIQAT SP CLHP
7346	Q8NFW8	191	KGVREV TE PLNLN
7347	Q8NFW8	396	PADAC ST AQKAVG
7348	Q8NG66	108	DNFCII TE YCEGR
7349	Q8NG66	302	CRYSEM TL EDKNL

7350	Q8NG66	517	SQPAYR T NQQDSD
7351	Q8NG66	544	TSLDTK T ITTTMAE
7352	Q8NHV4	51	NNNFLV T ASSSGD
7353	Q8NHV4	81	AEGQKQ T CVNLNS
7354	Q8NHV4	88	CVNLNS T SMYLV
7355	Q8NHV4	123	DHKDQV T CVTYNW
7356	Q8NHV4	149	IILHSV T TNLSST
7357	Q8NHV4	155	TTNLS T PFHGGS
7358	Q8NHV4	292	TISAHK T SVQCIA
7359	Q8NHV4	303	IAFQYS T VLTKSS
7360	Q8NHV4	387	DTLSKE T DSGKNQ
7361	Q8NHV4	451	PRKNPV T SSTS
7362	Q8NHV4	505	QLAKLV T SGAESG
7363	Q8NHV4	515	ESGNLN T SPSSNQ
7364	Q8NHW3	75	CAPSPG T GGGGGA
7365	Q8NHW3	107	PGAVGG T SGKPAL
7366	Q8NHW3	134	PEALNL T PEDAVE
7367	Q8NHW3	261	LKQKRR T LKNRGY
7368	Q8TAE6	10	ATGSSE T AGGASG
7369	Q8TAE6	52	DSAPVAT A AAAGQ
7370	Q8TAE6	140	VDCYKP T EEFIKE
7371	Q8TAP9	10	QNFRPP T PPYPGP
7372	Q8TAP9	110	SPGQQQ T HPQGS
7373	Q8TAP9	167	SQQYSN T QTFTGK
7374	Q8TAP9	169	QYSNTQ T FTGKKG
7375	Q8TB45	36	MAEVLV T GEQLRL
7376	Q8TB45	84	EASDRE T AIKLMQ
7377	Q8TB45	123	FRKDDG T FPLDNE
7378	Q8TB45	149	LMSPEN T LLQPRE
7379	Q8TB45	164	GVKYER T FMASEF
7380	Q8TB45	181	VQEGEA T TRKEAE
7381	Q8TB45	182	QEGEA T TRKEAEQ
7382	Q8TB45	295	YFSSSP T LSSSPP
7383	Q8TB45	315	VLKRPV T SEELLT
7384	Q8TB45	321	TSEELL T PGAPYA
7385	Q8TB45	387	LHVDYR T VSNLIL
7386	Q8TB45	394	VSNLIL T GPRTIV
7387	Q8TCT0	63	IIAVEE T DVHGKH
7388	Q8TCT0	85	EKPYA T VHCVKR
7389	Q8TCT0	170	TTDIIV T EHANQA
7390	Q8TCT0	241	IIPAGS T DCVCYS
7391	Q8TD08	62	RTFREI T LLQEF
7392	Q8TD08	150	LLDANC T VKLCDF
7393	Q8TD08	180	VTEYVA T RWYRAP
7394	Q8TD08	196	LSSHRY T LGVDMW
7395	Q8TD08	223	LFPGT T HLQLEL
7396	Q8TD08	273	ALLPPD T SPEALD
7397	Q8TD08	296	DKRLSA T QALQHP
7398	Q8TD08	352	CGGSSG T SREKGP
7399	Q8TD08	421	SAPLLQ T ALLGNG
7400	Q8TD08	440	KEAPPL T LSLVKP
7401	Q8TD08	456	GAAPSL T SQAAAQ
7402	Q8TD08	504	GRRMF T SALQGA
7403	Q8TD30	117	QVMALC T YPNLLD
7404	Q8TD30	184	PDNIYL T TGASDG
7405	Q8TD30	193	ASDGIS T ILKILV
7406	Q8TD30	207	GGGKS T RGMIP
7407	Q8TDC3	39	PYRLEK T LGKGQT

7408	Q8TDC3	45	TLGKGQ T GLVKLG
7409	Q8TDC3	56	LGVHC I TGQKVAI
7410	Q8TDC3	472	RGGGS P TSKTQTL
7411	Q8TDC3	523	LHSPL H T P PRASPT
7412	Q8TDC3	529	TPRAS P T G TPGTT
7413	Q8TDC3	531	RASPT G T P PGTTPP
7414	Q8TDC3	575	RKM Q V P T A EEMSS
7415	Q8TDC3	583	EEMSS L T P ESSPE
7416	Q8TDC3	693	IYSVT F T L ISGPS
7417	Q8TDC3	716	QAQL L S T HDQPSV
7418	Q8TDC3	734	EKNGA Q T R PAGAP
7419	Q8TEP8	212	RASMS D T W DLSLP
7420	Q8TEP8	1693	TTEP G E T SESCLE
7421	Q8TEP8	1855	VYRFR P T S VGESR
7422	Q8TEP8	1874	RNNS F I T HSLKFL
7423	Q8TEW0	153	ALIG L S T SVSDSN
7424	Q8TEW0	184	GFLK Q N T AGSPKT
7425	Q8TEW0	895	SLESL Q T A VAEVT
7426	Q8TEW0	1283	ARVM L E T QELLRQ
7427	Q8TEX9	808	AVL Q R K T A CQDTD
7428	Q8TEX9	871	KTK Q G C T V AEKSF
7429	Q8TEX9	907	LPV L L S T A QEADP
7430	Q8TEX9	1056	FLAK Q H T DSFQAA
7431	Q8TF09	32	EGIP I R T TLDNST
7432	Q8TF09	38	TTLD N S T TVQYAG
7433	Q8TF09	39	TLDN S T T VQYAGL
7434	Q8TF09	56	TMK A K S T V RDIDP
7435	Q8TF76	128	PP Q K C S T PCGPLR
7436	Q8TF76	410	SIYTT A T S LSGSL
7437	Q8TF76	712	MDED L F T GDGDYQ
7438	Q8TF76	764	FKTK C N T PAMKQI
7439	Q8WTQ7	14	DNLI A N T AYLQAR
7440	Q8WTQ7	76	FRDF L A T VPTFRK
7441	Q8WTQ7	168	PFKD F V T SAFYDK
7442	Q8WTQ7	389	EMV A GR T PFKDYK
7443	Q8WU03	72	DDQD H Y T NTYHIF
7444	Q8WU03	79	NTYH I F T KAPDKL
7445	Q8WU03	100	VISWE Q T L QIQGC
7446	Q8WU03	228	ELRM G Y T VPKYRH
7447	Q8WUI4	247	APF A L P T V SLLPA
7448	Q8WUI4	411	SAED L E T DGGGPG
7449	Q8WUI4	468	RGST G D T VLLPLA
7450	Q8WUI4	646	WAAG S V T DLAFKV
7451	Q8WUM4	176	ALSRE P T V DISPD
7452	Q8WUM4	186	SPDT V G T LSLIML
7453	Q8WUM4	497	EGTN F R T VLDKAV
7454	Q8WUM4	674	ANLKE G T K FYNEL
7455	Q8WV28	105	PPVE Q E T RPVHPA
7456	Q8WV28	152	KARLT S T L PALTA
7457	Q8WV28	223	PASPP G T A SGRNS
7458	Q8WV28	253	RAGK K P T TPLKTT
7459	Q8WVM8	8	AAAA A T A AAAAAS
7460	Q8WVM8	182	INRP D I T DTEMET
7461	Q8WVM8	379	SMLS D N T AKLTSA
7462	Q8WVM8	449	SDPD A G T PEDKMR
7463	Q8WW12	66	DLPT K P T KISKFG
7464	Q8WW12	80	AIG S Q T TKKASAI
7465	Q8WW12	139	KNIG R D T P T SAGP

7466	Q8WW12	141	IGRDTPT S SAGPNS
7467	Q8WWA1	20	SQVHRE T EDVDYG
7468	Q8WWA1	28	DVDYGE T DFHKQD
7469	Q8WWA1	193	LGVGLL T FASLET
7470	Q8WWA1	199	TFASLE T VGIYFG
7471	Q8WWM7	683	KSTSTPT S SPGPRT
7472	Q8WWM7	839	AIVSSST P QYPSA
7473	Q8WWM7	877	HQPQPAT T PTGSQ
7474	Q8WWM7	964	TNMAHV T QAHVQT
7475	Q8WX93	70	ISQIFST S SPASLC
7476	Q8WX93	354	NPSGSD T SAEVF
7477	Q8WX93	425	QQVHSP T SYLCRP
7478	Q8WX93	450	TKELQNT A VAEQG
7479	Q8WYJ6	48	INSLFL T NLYEDR
7480	Q8WYJ6	64	EASARL T QTLAIE
7481	Q8WYJ6	251	RRYSWG T VEVENP
7482	Q8WYJ6	317	LSRQSAT E IPLPM
7483	Q8WYK2	12	IPDPSV T TGSLPG
7484	Q8WYK2	13	PDPSVT T TGSLPGL
7485	Q8WYK2	23	PGLGPL T GLPSSA
7486	Q8WYK2	31	LPSSAL T VEELKY
7487	Q8WYK2	97	NKKKER T EFLQRE
7488	Q8WYK2	116	MNAELK T QIEELK
7489	Q8WYK2	138	LNRHRP T CIVRTD
7490	Q8WYK2	143	PTCIVR T DSVKTP
7491	Q8WYL5	403	VSRAS T VIAYAM
7492	Q8WYL5	678	NAPAIC T QPAFLP
7493	Q8WYL5	802	ESEKPT T NSYLMQ
7494	Q8WYL5	968	LRLAGL T VSSPLK
7495	Q92504	270	GRQER S TKEKQSS
7496	Q92504	283	EEEEKE T RGVQKR
7497	Q92504	352	GLGILT T MTVLLH
7498	Q92504	387	MRLQLL T AVGALA
7499	Q92522	72	SLAKIY T EAKKVP
7500	Q92522	108	LLQVKG T GANGSF
7501	Q92522	135	GAPAA A TAPAPTA
7502	Q92522	140	ATAPAP T AHKAKK
7503	Q92538	117	NMADAV T HARFVG
7504	Q92538	319	GSPGY S TATEPGS
7505	Q92538	340	PDLQEG T HVEKSQ
7506	Q92538	386	PRGVR F TQSSQKE
7507	Q92538	556	NLFEEL T KLLSKN
7508	Q92538	583	SLDALL T VIDSTE
7509	Q92538	608	QQEKKE T ARPSCE
7510	Q92538	707	KLLITG T EQFNQK
7511	Q92538	1407	RDAAH I TPDNFEL
7512	Q92538	1417	FELCVK T LRIFVE
7513	Q92538	1742	LASAH L TSAGDT
7514	Q92538	1825	VGVPP M TLPIILN
7515	Q92556	78	GTILRL T TSPAQN
7516	Q92556	421	RSSI E LTKMLCEI
7517	Q92556	447	FHPM F THDRSFE
7518	Q92556	473	WKEMR A TSEDFNK
7519	Q92563	85	GDEALD T TKDPCQ
7520	Q92563	125	HRIKQ P TVKLHGN
7521	Q92563	259	MFSKLD T SADLFL
7522	Q92563	366	QLGLEL T GTRTHG
7523	Q92574	308	NSYGCAT S TOPYST

7524	Q92574	380	SKVFGT T AGGKGT
7525	Q92574	904	QTQRLD T SQKRIL
7526	Q92574	1047	SSSEL S TPEKPPH
7527	Q92597	22	LVEKGE T ITGLLQ
7528	Q92597	39	QEQDI E TLHGSVH
7529	Q92597	51	HVTLCG T PKGNNRP
7530	Q92597	61	NRPVIL T YHDIGM
7531	Q92597	71	IGMNHK T CYNPLF
7532	Q92597	147	AGAYIL T RFALNN
7533	Q92597	248	PMPGTH T VTLQCP
7534	Q92597	279	NSKLD P TKTTLLK
7535	Q92597	281	KLD P TKTTLLKMA
7536	Q92597	282	LD P TKTTLLKMAD
7537	Q92597	321	MPSASM T RLMRSR
7538	Q92597	350	SHTSEG T RSRSHT
7539	Q92600	13	AAPVPT T LAQVDR
7540	Q92600	106	VASHP E TRSAFLA
7541	Q92600	138	FEYLRL T SLGVIG
7542	Q92600	202	LAYIC Q TYERFSH
7543	Q92616	418	LWCNR F TMEVPPK
7544	Q92616	541	SEDALC T VLHLTE
7545	Q92616	1994	SEIMK S TSRDAVL
7546	Q92616	2106	VAGDAL T RHLGVI
7547	Q92620	287	RRHLG S TPRLSRG
7548	Q92620	492	EPDKAV T EDGKVD
7549	Q92620	629	TLIKYM T DGILLR
7550	Q92620	1206	RSTKIY T PGRKEQ
7551	Q92625	522	PFQLLC T AGQSHP
7552	Q92625	585	SHPETL T HTASPH
7553	Q92625	632	SDSDLL T CSPTED
7554	Q92625	986	TIILSI T YKGVKF
7555	Q92630	16	APAA P TGRGGDS
7556	Q92630	44	TRSGVG T GPPSPI
7557	Q92630	105	NKRTVL T TQPNGL
7558	Q92630	117	LTTVGK T GLPVVP
7559	Q92630	155	VKATPM T PEQAMK
7560	Q92630	168	QYMQKL T AFEHHE
7561	Q92630	292	HMLEN F TFRNHIC
7562	Q92630	417	ILAE L TGYPLLP
7563	Q92630	468	PRYCTV T TLSDG
7564	Q92630	469	RYCTV T TLSDGSV
7565	Q92630	544	RLPK P TGEKTSV
7566	Q92630	548	PPTGEK T SVKRIT
7567	Q92673	310	DKYMFAT K VVHLL
7568	Q92673	342	RAAQFV T RHPINE
7569	Q92673	1002	ILANQL T GLMDMK
7570	Q92673	1768	YLSFTL T MESDIK
7571	Q92731	73	GGPGR Q TTSPNVL
7572	Q92731	123	LPVNRE T LKRKVS
7573	Q92731	290	RPSAP F TEASMMM
7574	Q92731	384	DMLLAT T SRFREL
7575	Q92734	133	GEPGP S TNIPEND
7576	Q92734	206	AEDRS G TPDSIAS
7577	Q92734	280	ASYS Q QTPQQPQ
7578	Q92734	364	QPRPG F TSPLGST
7579	Q92736	153	VGLQED T TGEACW
7580	Q92736	989	LSFIKL T PSQEAM
7581	Q92736	2107	ALPKTY T INGVSV

7582	Q92736	2510	TAALSA T DMALAL
7583	Q92783	166	VAKDPG T VANKKE
7584	Q92783	201	STLYP S TSSLLTN
7585	Q92783	206	STSSLL T NHQHEG
7586	Q92783	317	LQMLQ S TDPSDDQ
7587	Q92793	140	PKQAAS T SGPTPA
7588	Q92793	1171	WLYNRK T SRVYKF
7589	Q92793	1220	YGKQLC T IPRDAA
7590	Q92793	1805	KRVVQH T KGCKRK
7591	Q92794	454	STSDWP T DNQDGW
7592	Q92794	1009	PILTKP T LKRKKP
7593	Q92794	1035	HNSSVV T ETISET
7594	Q92794	1263	SSNSPE T ETKEPE
7595	Q92794	1308	EDAAA E TAQNDDH
7596	Q92794	1382	EQPSHD T SVVSEQ
7597	Q92794	1424	SELDLE T VQAVQS
7598	Q92794	1559	LGSIES T TENYEN
7599	Q92794	1712	SMNNS F TPAPMIM
7600	Q92794	1762	LQQLTN T IMDPHA
7601	Q92794	1803	SHPLAG T PQAQAT
7602	Q92794	1979	HGNMMY T GPSHHS
7603	Q92804	42	SGYGQT T DSSYGQ
7604	Q92804	222	RDYGPR T DADSES
7605	Q92804	266	IKTNKK T GKPMIN
7606	Q92804	287	KPKGEA T VSFDDP
7607	Q92888	299	AEKPGA T DRKGGV
7608	Q92888	366	LAPPE S TDEGAET
7609	Q92888	744	YELVAQ T VSERKN
7610	Q92888	826	EGQLAA T ALRKVL
7611	Q92900	28	ELLGAD T QGSEFE
7612	Q92900	446	TFAVDE T SVSGYI
7613	Q92900	510	PPGTGK T VTSATI
7614	Q92900	805	DQIGII T PYEGQR
7615	Q92905	103	ALPVEG T ETRVNA
7616	Q92905	154	SGIDV S TQMLNQQ
7617	Q92905	310	TRDSCK T TIEAIH
7618	Q92905	311	RDSCKT T TIEAIHG
7619	Q92918	106	QDIYQV T GSLSEL
7620	Q92918	204	IWSLG I TAIELAE
7621	Q92918	254	HNFIKV T LTKSPK
7622	Q92918	393	PTPAED T PPPLPP
7623	Q92918	505	HSTA A WTHPSTKD
7624	Q92918	559	MSLSGK T PHLYSH
7625	Q92918	576	LLERKE T RAGNPI
7626	Q92918	629	LCGALE T SVVLLQ
7627	Q92918	690	KSVLFH T VRFGAL
7628	Q92918	705	WLGEM S TEHRGPV
7629	Q92918	750	TPEIPM T EAVEAV
7630	Q92918	805	RLECSG T ISPHCN
7631	Q92922	368	DEQEDL T KDMEDP
7632	Q92922	398	KKDSENT T PVKGGT
7633	Q92922	937	QRQQL L TERQNFH
7634	Q92922	1068	GPRVPL T APNGMY
7635	Q92934	56	HQQEQ P TSSSHHG
7636	Q92934	80	SSYPAG T EDDEGM
7637	Q92934	137	RPKSAG T ATQMRQ
7638	Q92934	148	RQSSSW T RVFQSW
7639	Q92945	94	IGGDA A TTVNNST

7640	Q92945	234	NGGQNG TV QEIMI
7641	Q92945	433	MTFSIP TH KCGLV
7642	Q92945	660	KQAQVA T GGGPGA
7643	Q92974	22	RELASK T REKEKM
7644	Q92974	37	AKDARY T NGHLFT
7645	Q92974	82	HNRC KT LANCTK
7646	Q92974	246	IYELIQ TEL HHVR
7647	Q92974	388	ECILLV TQ RITKY
7648	Q92974	483	GCLLWK TAT GRFK
7649	Q92974	497	VLVLLM TD VLVFL
7650	Q92974	700	NTSPGV T ANGEAR
7651	Q92974	707	ANGEAR TF NGSIE
7652	Q92974	761	AVAQQD TL MEARF
7653	Q92974	906	PQPSRG TD RDLDP
7654	Q92974	915	LDLPVT TRS VHRN
7655	Q92979	54	EGASLE TV KVGKT
7656	Q92979	60	TVKVGK TY ELLNC
7657	Q92979	112	LQVYIH TQ KNVLI
7658	Q92979	234	LTCAKL TTA FEEV
7659	Q92985	208	GADPV PTK APGEG
7660	Q92985	255	QPAALT TGE AAAP
7661	Q92985	292	PGALDV TI MYKGR
7662	Q92985	465	RVHLEG TQ REGVS
7663	Q92993	59	RLDEWV TH ERLDL
7664	Q92993	79	KEAKTP TKN GLPG
7665	Q92993	227	SHDDIV TRM KNIE
7666	Q92993	372	NVACIL TL PPYQR
7667	Q92997	106	PPPMER TGG IGDS
7668	Q92997	186	MSSELE TT SFFDS
7669	Q92997	205	SRFSS STE QSSAS
7670	Q92997	332	PGPITL TV AKCWD
7671	Q92997	365	AAWVSH TA AMTGT
7672	Q92997	371	TAAMTG TF PAYGM
7673	Q92997	383	MSPSLS TI TSTSS
7674	Q92997	398	TSSIPD TER LDDF
7675	Q92997	459	HNVEGF TD RREAR
7676	Q92997	485	HTVNKI TF SEQCY
7677	Q92997	608	GSESDH TT RSSLR
7678	Q92997	695	SVPPEL TA SRQSF
7679	Q93009	190	IDDDKV TFE VFVQ
7680	Q93009	231	MNSLLQ TL FFTNQ
7681	Q93009	511	LSVRHC T NAYMLV
7682	Q93009	659	DNENPW TI FLETV
7683	Q93084	19	LRHFSV TA EGLS
7684	Q93084	501	SVYCTP TR PHPTG
7685	Q93084	645	LGIFGD TE DVAGK
7686	Q93084	672	QRQACR TAR CFAR
7687	Q969H0	138	SREDEH TH TNSVT
7688	Q969H0	163	LSSPFY TK TKMK
7689	Q969H0	165	SPFYTK TK MKRK
7690	Q969H0	166	PFYTK TK MKRKL
7691	Q969H0	385	HDDHVI TC LQFCG
7692	Q969H0	410	KVWSAV TG KCLRT
7693	Q969H0	416	TGKCLR TL VGHTG
7694	Q969H0	541	HTLQGH TNR VYSL
7695	Q969H0	570	RVWDVE TG NCIHT
7696	Q969H0	616	TGQCLQ TL QPNK
7697	Q969H0	639	NKNFVI TS SDDGT

7698	Q969H0	695	RNGTEET TK LLVLD
7699	Q969M7	70	CFQLTV TP DEGY
7700	Q969M7	102	PKVKCL TK IWHPN
7701	Q969M7	133	GTGWAP TR TLKDV
7702	Q969M7	135	GWAP TR TLKDVVW
7703	Q969Q0	10	VPK TRR TF CKKCG
7704	Q969Q0	24	HQPHKV TQ YKKGK
7705	Q969Q0	62	FRKKAK TT KKIVL
7706	Q969Q0	63	RKKAK T KKIVLR
7707	Q969S2	45	SLWLQD TQ VHGKK
7708	Q969S2	97	EP SGQK TL DGSSR
7709	Q969S2	219	AQ PVCY TL LDQRY
7710	Q969S2	269	HVVEF ST AWLQ GK
7711	Q969U6	87	PCVEV Q TL REHTD
7712	Q969U6	115	SCSKD CTV KIWSN
7713	Q969U6	197	VFGCWL TE TSLIS
7714	Q969U6	354	SKYLIF TT GCCLTY
7715	Q96A65	30	LISVIR TL STSD
7716	Q96A65	330	QRGEN V TVENQPR
7717	Q96A65	406	YLD MKN TR TASEP
7718	Q96A65	944	GVGEL T TQ NTRLQ
7719	Q96A72	72	IDDSEI TK EDDAL
7720	Q96A72	102	DEHIS F TT SKIGS
7721	Q96A72	103	EHIS F TT SKIGSL
7722	Q96AD5	54	AGALT A TALVTGV
7723	Q96AD5	119	RLGISL TR VSDGE
7724	Q96AD5	183	ELKNTI TV SPFSG
7725	Q96AD5	339	AMMV PY TL PLESA
7726	Q96AX2	38	VMLLG D TG VGKTC
7727	Q96AX2	73	FRNK V TV DGVRV
7728	Q96AX2	96	ERFRSV TH AYYRD
7729	Q96AX2	160	RSE D GE TL AREYG
7730	Q96B36	24	ERFRAR TG TELVL
7731	Q96B36	32	TELVL LTA APPPP
7732	Q96B36	90	PQPP S TP SPPRP
7733	Q96B36	97	PSPPR P TL AREDN
7734	Q96B36	111	EDEDE P TE TETSG
7735	Q96B36	113	EDE P TE TE TSGEQ
7736	Q96B36	136	VMDEDA TL QDLPP
7737	Q96B36	151	ESD P EST TD DGSL
7738	Q96B36	160	GSLSE E TP AGPPT
7739	Q96B36	177	PASAL P TQ QYAKS
7740	Q96B36	198	GFKEKR TE ARSSD
7741	Q96B36	233	LREAE D TQ VFGDL
7742	Q96BD6	11	VTGGIK TV DMRDP
7743	Q96BD6	130	LHSVGY TT LVGNN
7744	Q96BD6	160	KNQPSK TY PAFLE
7745	Q96BD6	187	LDMDDG TL SFIVD
7746	Q96BR1	32	EKKKR F TV YKVLV
7747	Q96BR1	60	FDKLYN TL KKQFP
7748	Q96BR1	143	SQKLH S TS QNINL
7749	Q96BR1	160	NPHAK P TD FDLFLK
7750	Q96BR1	317	GIAIS D TTTT FCG
7751	Q96BR1	318	IAIS D TTTT FCGT
7752	Q96BR1	319	AIS D TTTT FCGTP
7753	Q96BR1	324	TTTT FCG TP EYLAP
7754	Q96BR1	341	KQPYDN TV DWWCL
7755	Q96BR1	387	RPGVSL TA WSILE

7756	Q96BR1	451	DIRNFD T AFTTEET
7757	Q96BR1	457	TAFTEET V VPYSVC
7758	Q96BT3	142	ELEPPT T LAPGLL
7759	Q96BT3	261	YHSLPCT P PHTGAE
7760	Q96BT3	264	LPCTPHT G AEDAE
7761	Q96BT3	526	RRQGLV T DQVSLH
7762	Q96C19	8	ATDELAT K LSRRL
7763	Q96C19	24	GEGGGE T PEQPGL
7764	Q96C19	84	RVFNPY T EFKEFS
7765	Q96C19	129	KLGAPO T HLGLKN
7766	Q96C36	59	TRSNKE T VKHSDV
7767	Q96C36	133	VVQEGAT V YATGT
7768	Q96C36	160	SSVGFC T EVEEDL
7769	Q96C36	296	VKLESPT V STLTP
7770	Q96C86	129	QLNDVK T TVVYPA
7771	Q96C86	136	TVVYPAT E KHLQK
7772	Q96C86	162	DDYRNIT L PHLES
7773	Q96C86	316	RHYQQR T LTFALR
7774	Q96CF2	32	LVRLRE T EEMLGK
7775	Q96CF2	80	RFEKQL T QIDGTL
7776	Q96CF2	101	ALENSHT T NTEVLR
7777	Q96CF2	103	ENSHTN T EVLRNM
7778	Q96CN5	120	KSIQSL T LEWNSL
7779	Q96CN5	172	LALKGN T TLQQLD
7780	Q96CN5	173	ALKGNT T LQQLDL
7781	Q96CN5	398	QTRQEM T SMSAEL
7782	Q96CT7	70	LERKKET Q RLLLEE
7783	Q96CT7	91	KAPRVAT S SKVTR
7784	Q96CT7	96	ATSSKV T RAQIED
7785	Q96CT7	103	RAQIED T LRRDHQ
7786	Q96CV9	36	PNLDTF T PEELLQ
7787	Q96CV9	204	SPGPTR T VSTGTA
7788	Q96CV9	209	RTVSTG T ALSKYR
7789	Q96CV9	460	QEEDLE T MTILRA
7790	Q96DA6	11	VVAVGL T IAAAGF
7791	Q96DA6	59	GFEPKM T KREAAL
7792	Q96DA6	72	ILGVSP T ANKGKI
7793	Q96DG6	59	GWQLPN T RYIADM
7794	Q96DG6	73	SGNGYT T IVPDFE
7795	Q96DG6	171	YNLKNP T LFIFAE
7796	Q96DG6	211	KTFSGQ T HGFVHR
7797	Q96EB6	154	FGDEII T NGFHSC
7798	Q96EB6	196	QHLMIG T DPRTIL
7799	Q96EB6	200	IGTDPRT T ILKDLL
7800	Q96EB6	242	KRKDINT T IEDAVK
7801	Q96EB6	344	KLLRNY T QNIDTL
7802	Q96EB6	511	VKLSEI T EKPPRT
7803	Q96EB6	517	TEKPPRT Q KELAY
7804	Q96EB6	554	DSSVIV T LLDQAA
7805	Q96EB6	607	KNVGSS T GKNER
7806	Q96EB6	619	RTSVAG T VRKCWP
7807	Q96EB6	679	SNSDSG T CQSPSL
7808	Q96EB6	738	SVKQEV T DMNYPS
7809	Q96EG1	335	GSPAKQ T TWEGGH
7810	Q96EG1	360	PVNVTS T ALLSVL
7811	Q96EG1	434	YKAFYI T GGARAC
7812	Q96EG1	504	ISSADY T QDPSVT
7813	Q96EP5	22	GLDWST T QETLRS

7814	Q96EP5	86	IDPKPCTPRGMQP
7815	Q96EP5	225	AGQPPPTWQQGYG
7816	Q96EP5	269	TSYIVSTPPGGFP
7817	Q96EY1	70	RPGVSLTGTKHNP
7818	Q96EY1	274	PFVMRSTCRRCGG
7819	Q96EY1	375	YETINVTIIPPGTQ
7820	Q96EY1	450	TSSGGSTMDSSAG
7821	Q96EY5	34	FSAISCTVEGAPA
7822	Q96EY5	115	LLPLGATDTAVFD
7823	Q96EY5	117	PLGATDTAVFDVR
7824	Q96EY5	128	VRLSGKTKTVPGY
7825	Q96EY5	186	GGLLERTASRLGS
7826	Q96EY5	196	LGSRASTLRRNDS
7827	Q96EY5	221	MDGVPFTLHPRFE
7828	Q96EY5	243	SAFGDLTIKSLAD
7829	Q96EY5	263	GFVVEKTAARLP
7830	Q96G03	19	ARLDQETAQWLRW
7831	Q96G03	59	ARMEFGTAGLRAA
7832	Q96G03	290	PDPEFPTVKYPNP
7833	Q96G03	372	RSALKDTYMLSST
7834	Q96G74	195	EAMDPATVEQQEH
7835	Q96G74	263	YFSNYVTEDFTTY
7836	Q96G74	268	VTEDFTTYINRKR
7837	Q96G74	305	YQYSTGTSAVEPI
7838	Q96G74	313	AVEPINTFHGIHQ
7839	Q96G74	345	VNPNKATIGVGLG
7840	Q96G74	389	EDKKRATDWEATN
7841	Q96G74	433	PRKASATCSSATA
7842	Q96G74	438	ATCSSATAAASSG
7843	Q96G74	449	SGLEEWTSRSPRQ
7844	Q96G74	480	KPPSPGTVLALAK
7845	Q96G74	495	SPCAPGTSSQFSA
7846	Q96GA7	18	EPFHVVTPLLESW
7847	Q96GA7	91	KLGI PATIVLPES
7848	Q96GA7	223	VTLPDITSVAKSL
7849	Q96GA7	302	CLPPSLTSVVVIV
7850	Q96H79	11	TVCSFLT KVLC AH
7851	Q96H79	56	LLQEVETQEGLGD
7852	Q96H79	124	NRDCWSTCTLSHD
7853	Q96H79	240	NFQIISTYKHMKL
7854	Q96HC4	156	FTPAHATTSSHAS
7855	Q96HC4	208	NVPRQPTVTSVCS
7856	Q96HC4	292	LAQITGTEHLKES
7857	Q96HC4	344	PGVTSLTAAAAFK
7858	Q96HQ2	105	EDLPQFTTRSELM
7859	Q96HQ2	106	DLPQFTTRSELMK
7860	Q96I15	96	PQDIIFTSGGTES
7861	Q96I15	124	QTSKGHTGGHHSP
7862	Q96I15	187	LAAVRPTTRLVTI
7863	Q96I15	200	MLANNETGIVMPV
7864	Q96J02	88	RVWSHQTLKSDVL
7865	Q96J02	155	VTNGETTCSENG
7866	Q96J02	297	TNTNTNTSEGATS
7867	Q96J02	353	HVEKRTTWDRPEP
7868	Q96J02	383	VDHFTRTTTWQRP
7869	Q96J02	384	DHFTRTTTWQRPT
7870	Q96J02	503	VDHNRRTTTYIDP
7871	Q96J02	504	DHNRRTTTYIDPR

7872	Q96J02	551	PQHIKI TV TRKTL
7873	Q96J02	657	HGKFID TG FSLPF
7874	Q96J02	805	YRHYAR TS KQIMW
7875	Q96J02	832	RLQFV TG TCRLP
7876	Q96JB2	84	SVVPE ST EDILLK
7877	Q96JB2	104	EEERIE TA QQFFS
7878	Q96JB2	117	WFAKLQ TQ MDQDE
7879	Q96JB2	125	MDQDE GTK YRQMR
7880	Q96KP4	131	LYGRGS TD DKGPV
7881	Q96KP4	183	IFARKD TF FKDVD
7882	Q96KP4	270	EAVAAV TE EEHKL
7883	Q96KP4	460	YNYIE GTK MLAAY
7884	Q96KQ7	171	SEPPPA TT SPEGQ
7885	Q96KQ7	602	CDPLAD TI DSSGP
7886	Q96KQ7	787	QDSGGW TP IIWAA
7887	Q96KQ7	853	VNYHGD TP LHIAA
7888	Q96L34	93	IKIIDK TQ LNPS
7889	Q96L34	127	LFEVIE TE KTLYL
7890	Q96L34	130	VIETEK TL YLVME
7891	Q96L34	300	NPAKR CTLE QIMK
7892	Q96L34	394	RAPSD TTNG TSSS
7893	Q96L34	403	TSSSK GTS HSGQ
7894	Q96L34	415	QRSSSS TY HRQRR
7895	Q96L34	495	ERRKD ST TPNNL
7896	Q96L34	497	RKDST STP NNLPP
7897	Q96L34	507	LPSPMM TR RNTYV
7898	Q96L34	624	KLTSKL TR RVAD
7899	Q96L34	640	IGGPEV TS CHLPW
7900	Q96LA8	21	GEGGEG TE EEDGA
7901	Q96LA8	39	LERPR RTK RERDQ
7902	Q96LA8	85	AALRGK TV LDVGA
7903	Q96LA8	175	SVLHAR TK WLKEG
7904	Q96LC7	140	GFFLKV TAL TQKP
7905	Q96LC7	181	PPSFSW TGA ALSS
7906	Q96LC7	366	ENLGNG TS LPVLE
7907	Q96LC7	653	PEPKSS TQ APESQ
7908	Q96P11	145	RVNTLK TC SDDVV
7909	Q96P11	195	LVFPAQ TD LHEHP
7910	Q96P11	325	EEPGAG TP SPVRL
7911	Q96P11	358	QRLVYS TC SLCQE
7912	Q96P16	42	HSRPIV TV WEREL
7913	Q96P16	58	KPNRKL TF LYLAN
7914	Q96P16	139	KKPRKR TYE QIKV
7915	Q96P16	296	SRLPNV TG SHMHL
7916	Q96P70	297	LPIVWN TL TESAA
7917	Q96P70	371	ILYMQI TEE QIKV
7918	Q96P70	701	PAVAQC TL HTDDN
7919	Q96P70	769	VGRLV STL ISKAG
7920	Q96PD5	118	LAPDGS TV AVEPL
7921	Q96PD5	213	KAKSP PTM VDSLL
7922	Q96PD5	470	HWVGAH TL GHNSR
7923	Q96PD5	548	WPHFTA TV KPRPA
7924	Q96PU5	121	LPTED PTM ERPYT
7925	Q96PU5	367	GRARSS TV TGGEE
7926	Q96PU5	688	LFEYSAT TD NYTLQ
7927	Q96PU5	711	DHLSYF TF IGRVA
7928	Q96PU8	60	KDMYND TL NGSTE
7929	Q96PU8	117	KQLEAE TG CKIMV

7930	Q96PU8	230	AAPRIITGPAPVL
7931	Q96PU8	271	NGTPHPTAAIVPP
7932	Q96Q83	41	HQKPGQTWKNKEH
7933	Q96Q83	142	YGELPYTYSRITM
7934	Q96Q83	169	NRIEENTGHTFNS
7935	Q96Q83	230	EENGDYTYVERVK
7936	Q96Q89	241	TLYGSLTNSLNIS
7937	Q96Q89	484	KVCVPDTLNSSQE
7938	Q96Q89	596	EKKEKLTFLEFKIR
7939	Q96Q89	606	KIREEVTOEFTQY
7940	Q96Q89	662	AKDICATKVEETEE
7941	Q96Q89	858	HVSSAITEDQKKS
7942	Q96Q89	976	TATRSITNNVSQI
7943	Q96Q89	987	QIKLMHTKIDELR
7944	Q96Q89	1471	EKMMLITQAKEAE
7945	Q96Q89	1707	RPSSKKTYSLSRQ
7946	Q96Q89	1723	IGVNLATKKKEGT
7947	Q96Q89	1754	AKKIIETMSSSKL
7948	Q96R06	50	PACSSLTPSLCKL
7949	Q96R06	114	ISSTPKTSEEAVD
7950	Q96R06	306	VEDILSTCLTPNL
7951	Q96R06	376	RDAAIGTTPFSTC
7952	Q96R06	400	QEKSTNTSQTGLV
7953	Q96R06	541	ESRRAETLVCCCF
7954	Q96R06	708	EECKGQTEQLELE
7955	Q96R06	720	ENSRLATDLRAQL
7956	Q96R06	761	ELLCQLTQSNEEQ
7957	Q96R06	890	LTLFLQTKLKEKT
7958	Q96R06	920	PLPNDRTFLGSIL
7959	Q96R06	1106	NCQPMATNWIQEK
7960	Q96RG2	34	GPAAQTAAEPSRS
7961	Q96RG2	199	AAVVFGTVVDIIS
7962	Q96RG2	356	TLLPDGTIHGINH
7963	Q96RG2	374	LFGYGKTELLGKN
7964	Q96RG2	382	LLGKNITFLIPGF
7965	Q96RG2	709	DLCGGCTGSSSAC
7966	Q96RG2	720	ACYALATDLPGGL
7967	Q96RG2	803	LLLLTGTCVDLGQ
7968	Q96RG2	823	CVGHDPTEPLEVC
7969	Q96RG2	872	RLNVQVVTSTPVIV
7970	Q96RG2	874	NVQVTS TPVIVMR
7971	Q96RG2	1050	PKLGKVTLIAIL
7972	Q96RI1	324	KLPGFQTLDHEDQ
7973	Q96RI1	392	IGELKMTQEEYAL
7974	Q96RI1	452	CLLGRLTELRTFN
7975	Q96RI1	456	RLTELRTFNHHHA
7976	Q96RL1	62	GLQKTKTKQSNRA
7977	Q96RL1	395	LLEEEPTTSHGQS
7978	Q96RL1	549	TKSDSGTAAQTSL
7979	Q96RL1	707	VQPGSRTRTKAGR
7980	Q96RU2	260	QDVSEFTHKLLDW
7981	Q96RU2	516	PKSKPLTSSRSSM
7982	Q96RU2	966	AASLFETNDDHSV
7983	Q96RU2	1048	VLKEPPTIRPNSP
7984	Q96S19	71	DSIAATTQAQGLT
7985	Q96S19	77	TQAQGLTNVKAPL
7986	Q96S19	88	PLHLDV TWGWEHW
7987	Q96S19	138	PRALLITYGPYAI

7988	Q96SB4	15	QARKKR TK AKKDK
7989	Q96SB4	347	TLMERD TE GGAAE
7990	Q96SB4	418	DSCTPI T SEVSDT
7991	Q96SB4	537	PADIWS T ACMAFE
7992	Q96SD1	65	LYCSPV TK ELLLT
7993	Q96SD1	71	TKELLL T SPKYRF
7994	Q96SD1	291	ISIKPS TM WFGER
7995	Q96SD1	641	SLNLST TN ADSQS
7996	Q96T51	192	EASDIAT TS VRNLP
7997	Q96T51	378	EKSVEI TK QDTKV
7998	Q96T51	491	TSFEGK TN QVMSS
7999	Q96T51	674	GHIFCN TC SSNEL
8000	Q96T88	23	DSLRL TK VEELR
8001	Q96T88	93	DSELSD TD SGCCL
8002	Q96T88	390	AKMASAT TS SSQRD
8003	Q96T88	492	LSGNKR TAE QSCD
8004	Q96TA1	225	SKELYG TW EMLCG
8005	Q96TA1	314	DMDQII TS KEHLA
8006	Q96TA1	651	ASPDGV TE IRGLL
8007	Q96TA1	735	HPALHT TT EDSAG
8008	Q99259	21	AGADPN TT NLRPT
8009	Q99259	93	RFRRT ET DFSNLF
8010	Q99259	229	VLMEQI TL KKMRE
8011	Q99259	347	VNATAG TT VYGAF
8012	Q99426	10	TGVSAP TV TVFIS
8013	Q99426	21	ISSSLN TF RSEKR
8014	Q99426	33	RYSRSL TI AEFKC
8015	Q99426	230	VKPAVV TV GDFPE
8016	Q99459	61	DPSIKK TE WSREE
8017	Q99459	80	LAKLMP TQ WRTIA
8018	Q99459	84	MPTQWR TI APIIG
8019	Q99459	162	RARLAN TQ GKKAK
8020	Q99459	282	PSAILQ TS GVSEF
8021	Q99459	352	NSVALR TP RTPAS
8022	Q99459	407	VVQTPN TV LSTPF
8023	Q99459	429	LTPRSG TP KPVI
8024	Q99459	510	EREIDD TY IEDAA
8025	Q99459	602	GNKKGK TV GFGTN
8026	Q99459	704	INRGHM TE AKRA
8027	Q99459	751	AHLELR TF EELKK
8028	Q99490	252	GGSTAS TS GGVGA
8029	Q99490	356	GIFTKS TG GPPGS
8030	Q99490	773	EGLEAT TP MPSPS
8031	Q99490	925	SKVKLR TD SQSEA
8032	Q99497	19	GAEEME TV IPVDV
8033	Q99497	34	RAGIKV TV AGLAG
8034	Q99497	110	AICAGP TA LLAHE
8035	Q99497	140	MNGGHY TY SEN RV
8036	Q99504	24	QESGEQ TI SQVSN
8037	Q99504	57	EEIMTC TD YIPRS
8038	Q99504	274	TPPSKD TD DQSRK
8039	Q99504	334	KYGKDP TV VIGSG
8040	Q99536	12	EVAEAA TG EDASS
8041	Q99536	80	PGPGQL TL RLRAC
8042	Q99536	162	LIPEAM TF EEEAAA
8043	Q99536	243	PIDYHT TD YVDEI
8044	Q99558	63	ILNDVI TK GTAKE
8045	Q99558	66	DVITKG TA KEGSE

8046	Q99558	193	APYVRN TP QFTKP
8047	Q99558	197	RN TP Q FTK PLKEP
8048	Q99558	359	LTSLAK T WAARGS
8049	Q99558	374	REPSPK TED NEGV
8050	Q99558	383	NEGVLL TE KLKPV
8051	Q99558	448	MACAGL TS PRIVP
8052	Q99558	685	QANYHQ TL HAQPR
8053	Q99558	731	NKSPPL TL SKEES
8054	Q99558	823	SQSSRD TL SSGVH
8055	Q99558	854	RGRPTD TP SYFNG
8056	Q99572	90	VHSVFD TD ADYTFP
8057	Q99572	283	RLDDKT TN VSLYP
8058	Q99572	308	NNVEKR TL IKVFG
8059	Q99572	340	VVYIGS TL SYFGL
8060	Q99613	66	LTNLIR T IRNAMK
8061	Q99613	157	DFESH ITS YKQNP
8062	Q99613	233	DDEDWD TG STSSD
8063	Q99613	322	KMFAKG TE ITHAV
8064	Q99613	345	ARGKKG TD RAAQI
8065	Q99613	496	LEEKGT TEE VCRI
8066	Q99613	561	IYAKDR TD RIRTC
8067	Q99613	626	AFRQGL TK DAHNA
8068	Q99613	751	KMGDWK TC HSFII
8069	Q99613	790	QEE SLR TY LFTYS
8070	Q99613	794	LR TY L FTY SSVYD
8071	Q99613	806	DSISME TL SDMFE
8072	Q99615	71	YGNRAA TL MMLGR
8073	Q99615	326	AVKLDD TY IKAYL
8074	Q99615	341	AQCYMD TE QYEEA
8075	Q99615	360	VYQTEK TK EHKQL
8076	Q99623	21	GPRGMG TAL KLLL
8077	Q99623	155	NASQLI TQ RAQVS
8078	Q99623	263	AQNISK TI ATSQN
8079	Q99623	288	LQDES FTR GSDSL
8080	Q99627	91	DFPGIY TT INAHQ
8081	Q99627	101	AHQWSE TV QPIME
8082	Q99627	158	GWQAD STTR MVLP
8083	Q99627	159	WQAD STTR MVLP
8084	Q99638	189	EEEAD STAK AMVT
8085	Q99638	195	TAKAMV TEM CLGE
8086	Q99638	268	LATLSD TD SHSQD
8087	Q99638	351	DEAEP STVP GTPP
8088	Q99640	14	LAMPMP TEGT PPP
8089	Q99640	24	PPPLSG TP IPVPA
8090	Q99640	71	RLFPPR TP GWHQL
8091	Q99640	91	RGEASE TL QSPGY
8092	Q99640	187	GILYLQ TEL CGPS
8093	Q99640	217	WGYLRD TL LALAH
8094	Q99640	260	LLVELG TAG AGEV
8095	Q99640	285	LQGSYG TA ADVFS
8096	Q99640	325	YLPPE F TAGLSSE
8097	Q99640	412	PLGPPA TP PGSPP
8098	Q99640	449	EAVLAR TV GSTST
8099	Q99640	461	TPRSRC TP RDALD
8100	Q99661	242	IKEFRAT LE CHPL
8101	Q99661	335	ARPLVQ TI FEGGK
8102	Q99661	461	CRTSGQ TF ANSNS
8103	Q99661	545	FRESKL TQ VLRDS

8104	Q99665	188	DFGINL T PESPES
8105	Q99665	322	TPEEEPT T GMLDVW
8106	Q99665	363	ILHYQV T LQELTG
8107	Q99665	409	KGSSL P TRINIMN
8108	Q99683	77	TSSSSA T RGRGSS
8109	Q99683	288	KARNLY T GKELAA
8110	Q99683	409	DSNFTD T ESRDHG
8111	Q99683	428	AFESEPT T LQSGIN
8112	Q99683	552	LVEATK T DVTVVR
8113	Q99683	784	QTIGFY T KQILEG
8114	Q99683	840	PCTET F TGTLQYM
8115	Q99683	1053	DSERRA T LHRILT
8116	Q99683	1059	TLHRIL T EDQDKI
8117	Q99683	1308	NSSGT N TEDSELT
8118	Q99683	1345	DVLYYV T RDDLKC
8119	Q99683	1361	RGGMLC T LWKAI I
8120	Q99704	129	SWTLAP T DNPPKL
8121	Q99704	204	LLSWPY T LLRRYG
8122	Q99704	232	SGPGT F TFQTAQG
8123	Q99704	354	LLKAKL T DPKEDP
8124	Q99708	76	QKVLHE T IKVLED
8125	Q99708	126	LMNER N TLQEENK
8126	Q99708	192	YIEQ T HTKLEHSV
8127	Q99708	315	SDSTSK T PPQEEL
8128	Q99708	323	PQEEL P TRVSSPV
8129	Q99708	333	SPVFGA T SSIKSG
8130	Q99708	422	LGEQNR T EYGKDS
8131	Q99708	430	YGKDS N TDKHLEP
8132	Q99708	671	QYKMDV T VIDTKD
8133	Q99708	687	SKLGGE T VMDMCT
8134	Q99708	693	TVDMDC T LVSETV
8135	Q99708	859	EVGFPS T QTCMER
8136	Q99759	30	RMPGYE T MKNKDT
8137	Q99759	263	EYSDRE T QLYDKG
8138	Q99759	470	SVTRKY T RQILEG
8139	Q99759	618	SAEELL T HHFAQL
8140	Q99828	20	AEYQDL T FLTKQE
8141	Q99828	23	QDL T FLTKQEILL
8142	Q99828	103	VFSDTA T PDIKSH
8143	Q99828	142	TGEGED T RLSASE
8144	Q99832	38	IAEAVR T TLGPRG
8145	Q99832	98	DGTT S VTLAAEF
8146	Q99832	519	IVSVDE T IKNPRS
8147	Q99832	531	STVDAP T AAGRGR
8148	Q99935	152	ITTAD T TITNPP
8149	Q99935	155	ADTTIT T NPPTTA
8150	Q99935	165	TTATAT T STSTKP
8151	Q99935	172	STSTKP T MTISSS
8152	Q99958	82	SYIALI T MAIQNA
8153	Q99958	147	GKGSYW T LDPDSY
8154	Q99958	226	PALPVI T KVETLS
8155	Q99958	280	NIMTLR T SPPGGE
8156	Q99958	340	RAMSLY T GAERPA
8157	Q99958	366	DHPSGP T SPLSAL
8158	Q99958	385	EGALA A TGHHHQH
8159	Q99958	411	APQPQP T PQPGAA
8160	Q99958	439	NHLPGH T FAAQQQ
8161	Q99958	446	FAAQ Q QT F PNVRE

8162	Q99958	465	LGIENST L GESQV
8163	Q99958	484	QLPYRST P PPLYRH
8164	Q99983	85	DNRKLK T IPNIPM
8165	Q99983	107	NEIEAV T ANSFIN
8166	Q99983	115	NSFINA T HLKEIN
8167	Q99983	359	CFPHIH T IYYGEQ
8168	Q99986	30	AVGEII T DMAKKE
8169	Q99986	82	DNGPLF T ELKFYQ
8170	Q99986	102	IQKWIR T RKLKYL
8171	Q99986	153	KRFSRK T VLQLSL
8172	Q99986	228	DGTIEF T SIDAHN
8173	Q99986	256	CMIQWL T GHLPWE
8174	Q99986	305	IAKYM T VKLLDY
8175	Q99986	312	VKLLDY T EKPLYE
8176	Q99986	353	GGLKAK T ITKKRK
8177	Q99986	373	EPGVED T EWSNTQ
8178	Q99986	378	DTEWSN T QTEEAI
8179	Q99986	386	TEEAIQ T RSRTRK
8180	Q9BPZ7	24	HVTSDD T GMCCEMV
8181	Q9BPZ7	86	IRRRSN T AQRLER
8182	Q9BPZ7	415	VEIDPV T NQKAST
8183	Q9BPZ7	421	TNQKAST T KFWIKQ
8184	Q9BQ15	26	IFIVLE T GRVTKT
8185	Q9BQ15	30	LETGRV T TKTDGH
8186	Q9BQ15	32	TGRVTK T KDGHEV
8187	Q9BQ15	40	DGHEVR T CKVADK
8188	Q9BQ15	47	CKVADK T GSINIS
8189	Q9BQ15	71	GDIIRL T KGYASV
8190	Q9BQ15	86	GCLTLY T GRGGDL
8191	Q9BQ15	137	PSASQP T TGPSAA
8192	Q9BQ15	170	GPHPPH T PSHPPS
8193	Q9BQ15	177	PSHPPS T RITRSQ
8194	Q9BQ15	180	PPSTR T RSQPNH
8195	Q9BQ15	187	RSQPNH T PAGPPG
8196	Q9BQA1	79	CSAGVQ T EAGVAD
8197	Q9BQA1	87	AGVADL T WVGERG
8198	Q9BQA1	113	ELDEN T LIVSKF
8199	Q9BQA1	130	HDDIVS T VSVLSS
8200	Q9BQA1	197	RILLWD T RCPKPA
8201	Q9BQA1	216	APGYLP T SLAWHP
8202	Q9BQA1	236	FGDENG T VSLVDT
8203	Q9BQA1	242	TVSLVD T KSTSCV
8204	Q9BQA1	259	VHSQCV T GLVFSP
8205	Q9BQA1	304	DFVRDA T WSPLNH
8206	Q9BQA1	315	NHSLLT T VGWDHQ
8207	Q9BQA1	329	VHHVVP T EPLPAP
8208	Q9BR39	76	HGLGI T EKGRWLY
8209	Q9BR39	122	DGYGT T EYADGGT
8210	Q9BR39	287	ADIDAT T TETYM
8211	Q9BR39	525	EGSRSV T PSEGAG
8212	Q9BR76	143	IIAWHP T ARNVLL
8213	Q9BR76	311	HFLNT T FSKEPQR
8214	Q9BR76	351	CEPIVM T VPRKSD
8215	Q9BR76	434	APAST T TAADATP
8216	Q9BRK3	136	TDAGLY T CNLHHH
8217	Q9BRK3	163	TDGPPA T PAYWDG
8218	Q9BRK3	185	GAPALL T CVNRGH
8219	Q9BRK3	319	APGPD T PLARGHN

8220	Q9BSJ6	10	RWQNMGT S VRRRS
8221	Q9BSJ6	38	VVSHQ E TSVGALG
8222	Q9BSJ6	133	KGSGSP T HSLSQK
8223	Q9BSJ6	190	RSPYSS T EPLCSP
8224	Q9BT78	179	LLQNE S TNEQLQI
8225	Q9BT78	292	MPHQK A TTADGSS
8226	Q9BT78	293	PHQK A TTADGSSI
8227	Q9BT78	320	KLYNN I T F EELGA
8228	Q9BTC0	26	SKEFRK T WGFRRT
8229	Q9BTC0	841	SMLKDT T SQHRAH
8230	Q9BTC0	959	CGSGVV T TVTVSG
8231	Q9BTC0	1046	SPPEG D TTFLLSR
8232	Q9BTM9	28	IKK H RV T LPQEE
8233	Q9BTY2	173	VAIRNR T DLRFGL
8234	Q9BTY2	259	VRGTVV T NDRWGA
8235	Q9BTY2	326	VKQLV E TVSCGGN
8236	Q9BTY2	370	GEAIY E THTWRSQ
8237	Q9BTY7	97	DPGLH E TLLAADP
8238	Q9BTY7	208	QRL L PL T QYDSS
8239	Q9BTY7	223	RGGVV G TLRNCCF
8240	Q9BTY7	299	IMLLT A TAPGRQQ
8241	Q9BUA3	282	LQLFS H TQLRGPD
8242	Q9BUA3	349	SRHPQ G TKRVGAG
8243	Q9BUA3	357	RVGAG D TSDWPTV
8244	Q9BUA3	362	DTSDW P TVLSESS
8245	Q9BUB5	37	KRRGR A TD S LP GK
8246	Q9BUB5	51	EDMYK L TSELLGE
8247	Q9BUB5	97	VFREVE T LYQCQG
8248	Q9BUB5	118	EFFED D TRFYLVF
8249	Q9BUB5	163	ALDFL H TKDKVSL
8250	Q9BUB5	187	GLTAAP T SLGSSD
8251	Q9BUB5	204	ASQVAG T TGIAHR
8252	Q9BUB5	246	KLNN S CT P ITTP E
8253	Q9BUB5	249	NSCT P I T PELTT
8254	Q9BUB5	254	ITTP E L T PCGSA
8255	Q9BUB5	276	VFTDQ A TFYDKRC
8256	Q9BUB5	399	SSTM D L T LF A AEA
8257	Q9BV73	293	ELSALL T QSQKQN
8258	Q9BV73	389	DADK A L T LVR S VL
8259	Q9BV73	923	CQM Q L E TEK E RV S
8260	Q9BV73	2405	AQA P EAT V LEA E T
8261	Q9BV86	62	GPN K T G TSCALDC
8262	Q9BV86	93	VDMVD I TE D FLVQ
8263	Q9BV86	102	FLVQ A K T YL G EEG
8264	Q9BV86	123	CGLQ D F T PEPDSY
8265	Q9BWF3	76	SKNK S K T STKLHV
8266	Q9BWF3	90	NIS P TC T NKELRA
8267	Q9BWF3	248	YNYAE Q TL S QLPQ
8268	Q9BWF3	285	TSGAA A TAAAAAA
8269	Q9BWT1	30	KLIS M ETSSSSDD
8270	Q9BWT1	49	SDNFAN T RLQSVR
8271	Q9BWT1	60	VREGCR T RSQCRH
8272	Q9BWT1	81	KFPAR S TRGATNK
8273	Q9BWT1	85	RSTRG A T N KK A ES
8274	Q9BWT1	181	RRAR P L T RSRSRI
8275	Q9BWT1	213	LVRKR K TVDGYMN
8276	Q9BWT1	234	RSR S SV T LP H IIR
8277	Q9BWT1	269	NRSLG S T C HQCRQ

8278	Q9BWT1	277	HQCRQK T IDTKTN
8279	Q9BWT1	282	KTIDTK T NCRNPD
8280	Q9BWT1	341	RDGRCA T GVLVYL
8281	Q9BX63	121	PSENG T SSTCQD
8282	Q9BX63	266	TRELRR T AYSGVP
8283	Q9BX63	486	MGITT T FPILQG
8284	Q9BX63	1226	ELELGK T HEIEIK
8285	Q9BX84	40	KNPHRC T PVCQVC
8286	Q9BX84	150	GGIQN T MPSKFK
8287	Q9BX84	240	PLSKLT T LNSMHS
8288	Q9BX84	404	TALLKG T NLSASE
8289	Q9BX84	488	KQGPTN T LLHHLV
8290	Q9BX84	509	LSGYRI T LIDIGL
8291	Q9BX84	723	RPFVSH T CTQMLL
8292	Q9BX84	759	LPPTIL T LEFKSK
8293	Q9BX84	881	VSIYIF T NAIEVV
8294	Q9BX84	899	SEPGKF T QKVQVW
8295	Q9BX84	1181	VTSERV T EMYFQL
8296	Q9BX84	1375	VPDVL T EQDIQT
8297	Q9BXA7	75	HCSI K T YEIFET
8298	Q9BXA7	81	TYE I F T SHGKVY
8299	Q9BXA7	104	LLELIK T RGA L HE
8300	Q9BXA7	242	PRSKHL T GECKDL
8301	Q9BXA7	294	GESSRG T EPLWTP
8302	Q9BXA7	299	GTEPLW T PEPGSD
8303	Q9BXA7	310	SDKKS A T KLEPEG
8304	Q9BXA7	326	PQAQ P E T KPEGTA
8305	Q9BXA7	331	ETK P E G T AMQMSR
8306	Q9BXA7	350	FPSKP S T METE E G
8307	Q9BXA7	353	KPST M E T EEGPPQ
8308	Q9BXM7	22	ALLLR F T GKPGRA
8309	Q9BXM7	282	RVLRA F T SSVPLL
8310	Q9BXM7	324	MKNYP C T LRQYLC
8311	Q9BXM7	545	LLANRL T EKCCVE
8312	Q9BXS0	81	IHL L P D T LDHLKT
8313	Q9BXS0	299	NGPKGD T GEKGDP
8314	Q9BXS0	392	KQGES G T RGP K GS
8315	Q9BXS0	444	ALQRIT T LTVTGP
8316	Q9BXS5	70	NLYLV A T SKKNAC
8317	Q9BXS5	126	FGYPQ T TD S KILQ
8318	Q9BXS5	144	EGHK L E T GAPRPP
8319	Q9BXS5	328	SPKF K T TVGSV K W
8320	Q9BXS6	67	ASSCDE T EIQISN
8321	Q9BXS6	86	QPLGHV T KTRRRC
8322	Q9BXS6	94	TRRR C K T VRVDPD
8323	Q9BXS6	263	GPASQ S T LGLKGS
8324	Q9BXW9	23	TEDASK T RKQPLS
8325	Q9BXW9	193	VDGKDL T TKIMQL
8326	Q9BXW9	294	SVTAM D T LE V ISE
8327	Q9BXW9	914	TGKEEK T SLLLHN
8328	Q9BY32	73	PVLVED T CLCFNA
8329	Q9BY32	117	SAYALC T FALSTG
8330	Q9BY32	122	CTFAL S T GDPSQP
8331	Q9BY32	163	PDGYEQ T YAEMPK
8332	Q9BY41	72	EMATF H T DAYLQH
8333	Q9BY41	268	LQLGAD T IAGDPM
8334	Q9BY41	298	LQWQL A T LILGGG
8335	Q9BY41	338	PDHEFF T AYGPDY

8336	Q9BY44	49	IFSKDGT TL FAWGN
8337	Q9BY44	160	ENNNFN T IANKLH
8338	Q9BY44	314	PVFD FGT GPRNAA
8339	Q9BY44	522	QSTPRN TV SQ S IS
8340	Q9BY77	47	LSQSTR TATF QQR
8341	Q9BY77	280	LSPLEG TKMT VNN
8342	Q9BY77	283	LEG TKMT VNNLHP
8343	Q9BY77	356	MNGN VIT SDQPIL
8344	Q9BY84	66	QDKVL IT ELIQHS
8345	Q9BY84	473	IPKKLQ TAR PSDS
8346	Q9BY84	489	RLHSVR TSS SGTA
8347	Q9BY84	494	RTSSSG TAQ RSL
8348	Q9BYE7	8	EGVAV VTA GSVGA
8349	Q9BYE7	17	SVGA AKTE GAAAL
8350	Q9BYE7	129	INLSEL TPY ILCS
8351	Q9BYE7	266	IGANEG TGH FKPL
8352	Q9BYG3	34	QVRKR ITQ RKKQE
8353	Q9BYG3	43	KKQEQL TPG VVYV
8354	Q9BYG3	59	PNLLDE TQI FSYF
8355	Q9BYG3	70	YFSQ FGTV TRFRL
8356	Q9BYG3	82	LSRSKR TGN SKGY
8357	Q9BYG3	105	AKIVA ETM NNYLF
8358	Q9BYG3	154	RYNRN RTL TQKLR
8359	Q9BYG3	156	NRN RTL TQKLRME
8360	Q9BYG3	193	SLILQ KTES ISKT
8361	Q9BYG3	220	KKKVSG TLDT PEK
8362	Q9BYG3	240	TPVCTP TFL ERRK
8363	Q9BYG3	277	KEEIQ ETQ TPTHS
8364	Q9BYV9	170	EDEEE ETMD SETA
8365	Q9BYV9	377	PFDKG ITQ GD L KT
8366	Q9BYV9	519	LETRTR TSS SCSS
8367	Q9BYV9	640	IKMHKL TSE QLEF
8368	Q9BZE4	139	ALGRM CTVI KRQK
8369	Q9BZE4	163	HLSRLP TID PNTR
8370	Q9BZE4	308	DDQK IFTD LQSEG
8371	Q9BZE4	518	AKKVQ RTV LEKEM
8372	Q9BZL4	46	GERRAR TVR FERA
8373	Q9BZL4	136	ADNEG WTP LVHAA
8374	Q9BZL4	209	ELLLH DTR CWLNG
8375	Q9BZL4	226	EARHP RTG ASALH
8376	Q9BZL4	290	GGMDSL THA GQRP
8377	Q9BZL4	425	RFGLLK TG SSGAL
8378	Q9BZL4	461	WLEG TS TQAKELR
8379	Q9BZL4	472	LRLAR ITPT PSPK
8380	Q9BZL4	517	AKPNV P TASTAPP
8381	Q9BZL4	564	RSTQGV TLT DLKE
8382	Q9BZL4	705	EALTET TLR LAQL
8383	Q9BZL4	719	VELER ATQ RQERF
8384	Q9BZL6	101	LFKHDP TS ANLLQ
8385	Q9BZL6	434	LFQNN T TNRYYKE
8386	Q9BZL6	651	RLPERL TK FLITQ
8387	Q9BZL6	714	RRSVVG TP AYLAP
8388	Q9BZS1	73	SQLQLP TL PLVMV
8389	Q9BZS1	344	PPFTY ATL IRWAI
8390	Q9BZS1	368	EIYHW FTR MFAFF
8391	Q9BZS1	407	EKGAV WTV DELEF
8392	Q9BZZ5	256	SKNVH STR FVTYF
8393	Q9BZZ5	275	NLGTL TTP VEGLD

8394	Q9BZZ5	440	SYKSTV TL SWKPV
8395	Q9BZZ5	461	RASEDT TS GSPPK
8396	Q9GZN2	58	LSLSGQ TN LSVLQ
8397	Q9GZN2	92	KDPNQ FT ISRRGG
8398	Q9GZN2	122	VSVPA PTN VLSLS
8399	Q9GZN2	159	SPKPLV TP GSTLT
8400	Q9GZN2	163	LVTPGS TL TLLTR
8401	Q9GZN2	165	TPGSTL TL LTRAE
8402	Q9GZN2	168	STLTLL TR AEAGS
8403	Q9GZN2	176	AEAGSP TG GLFNT
8404	Q9GZN2	227	SLPLL HT PIPLVS
8405	Q9GZT4	81	KPKAVV TH SSGNH
8406	Q9GZT4	92	NHGQAL TY AAKLE
8407	Q9GZT4	263	DDIFTV TE DEIKC
8408	Q9GZT4	271	DEIKCA TQ LVWER
8409	Q9GZT9	232	VRALHD TG KFTDG
8410	Q9GZT9	236	HDTGK FTD GQLVS
8411	Q9GZT9	268	KEPGCE TI GLLMS
8412	Q9GZT9	296	YKINGR TK AMVAC
8413	Q9GZV1	31	EAVMDG TM EDSEA
8414	Q9GZV1	183	CDQFR RTAL HRAS
8415	Q9GZV1	216	QDRLCD TAM HWAC
8416	Q9GZV1	327	QLWQAD TR HALEH
8417	Q9GZV5	151	HIEKIT TW QDPRK
8418	Q9GZV5	175	HPAVSS TP VPPRS
8419	Q9GZV5	226	SMPNAL TT QQQQQ
8420	Q9GZV5	339	NVDEMD TG ENAGQ
8421	Q9GZX7	40	KRRDS ATS FSLDF
8422	Q9GZX7	79	GRCYRV TW FTSWS
8423	Q9GZX7	82	YRVTW FTS WSPCY
8424	Q9GZX7	110	LSLRIF TAR LYFC
8425	Q9GZX7	140	VQIAIM TF KDYFY
8426	Q9GZX7	150	YFYCW NTF VENHE
8427	Q9GZX7	158	VENHER TF KAWEG
8428	Q9GZY6	53	EDQQS FTG SRTYS
8429	Q9GZY6	57	SFTGS RTY SLVGQ
8430	Q9GZY6	147	ICKQKT TET GAQQ
8431	Q9GZY6	175	ALKTGP TS GLCPS
8432	Q9H063	17	AINSQL TV ETGDA
8433	Q9H063	20	SQLTVE TG DAHII
8434	Q9H063	92	DKCSRK TL FYLIA
8435	Q9H063	99	LFYLI ATL NESFR
8436	Q9H063	112	PDYDFS TAR SHEF
8437	Q9H063	210	RSISGS TY TPSEA
8438	Q9H063	243	GSGAE ETST MEED
8439	Q9H063	245	GAEET STME EDRV
8440	Q9H093	13	ARRSGP TP SAAEL
8441	Q9H093	63	ETLGKG TY GKVKK
8442	Q9H093	227	VNGKPY TG PEVDS
8443	Q9H093	293	NPTRRA TL EDVAS
8444	Q9H093	309	VNWGYA TR VGEQE
8445	Q9H093	365	PGGGST TP GLERQ
8446	Q9H093	391	QSLHSD TAD DTAH
8447	Q9H093	511	NGKFSQ TA LELAA
8448	Q9H093	520	ELAAPT TF GSLE
8449	Q9H093	608	DSCFSL TD CQEV
8450	Q9H093	614	TDCQEV TAT YRQA
8451	Q9H093	616	CQEV TATY RQALR

8452	Q9H0H5	47	RKKWQR TD HEL GK
8453	Q9H0H5	174	DSSLVK TF KLK KR
8454	Q9H0H5	186	REKRRS TS RQFVD
8455	Q9H0H5	220	SIVAKT TV TPND
8456	Q9H0H5	235	PIEAVS TI ETVPY
8457	Q9H0H5	238	AVSTIE TV PYWTR
8458	Q9H0H5	270	RQLEPR TE TDSVG
8459	Q9H0H5	293	HDFVSK TV IKPES
8460	Q9H0H5	435	LKEPLL TF RLNRA
8461	Q9H0H5	449	MEAAEI TD EDNSI
8462	Q9H0H5	503	AKVFGP TI VAHAV
8463	Q9H0H5	617	SKSKSA TN LGRQG
8464	Q9H0K1	359	RQRRPS TI AEQTV
8465	Q9H0K1	370	TVAKAQ TV GLPVT
8466	Q9H0K1	450	PSNMM TS IDEGL
8467	Q9H0K1	484	SGQRRH TL SEVTN
8468	Q9H0K1	489	HTLSEV TN QLVVM
8469	Q9H0K1	608	LQNLAR TK GILEL
8470	Q9H0K1	696	LSKAQN TC QLYCK
8471	Q9H0K1	758	PLPRQE TP PPSQQ
8472	Q9H0K1	805	LQPLPS TS GPRAA
8473	Q9H0K1	816	AAPPLP TQ LQQQQ
8474	Q9H0K1	848	LQFSYQ TC ELPSA
8475	Q9H0K1	863	PAPDYP TP CQYPV
8476	Q9H0N0	27	EQSVAK TS LITRF
8477	Q9H0N0	96	VVVYDI TN VNSFQ
8478	Q9H0N0	151	AKGLNV TF IETRA
8479	Q9H0N0	200	EKPQE TV SEGGC
8480	Q9H0S4	11	EEHDS TE ASQPI
8481	Q9H0S4	32	FKDLGV TD VLCEA
8482	Q9H0S4	101	ALVLT PT RELAFQ
8483	Q9H0S4	320	RSILLAT TD VASRG
8484	Q9H1A4	183	VANVWP TK YGLLF
8485	Q9H1A4	416	DHLWTE TI TNIRE
8486	Q9H1A4	921	FSFRHS TS VSSLA
8487	Q9H1A4	1007	SDVPSG TE ETEEED
8488	Q9H1A4	1190	HLTKLAT TL NIHDY
8489	Q9H1A4	1289	PEMEYC TD RESYS
8490	Q9H1A4	1392	WLRAPD TM YLLDF
8491	Q9H1A4	1497	FAKDFM TY LSAPN
8492	Q9H1A4	1576	GRYSL TS NSSSIA
8493	Q9H1A4	1637	YALLEV TY KGTQW
8494	Q9H1A4	1780	VLYECV TQ ETPEM
8495	Q9H1A4	1855	KCTIDN TL DQWLQ
8496	Q9H1D0	151	LVFEP MT SELYEG
8497	Q9H1D0	190	SARATG TA FRRSF
8498	Q9H1D0	309	RKHTQW TY GPLTS
8499	Q9H1D0	316	YGPLTS TL YDLTE
8500	Q9H1D0	351	RQILDQ TP VKELV
8501	Q9H1D0	384	LYIICF TM CCIYR
8502	Q9H1D0	406	TSPRDN TL LQQKL
8503	Q9H1D0	519	QMLGPF TI MIQKM
8504	Q9H1D0	554	FYIIFQ TE DPEEL
8505	Q9H1D0	598	PFMYSI TY AFAI
8506	Q9H1D0	640	RAQIVAT TV MLER
8507	Q9H1D0	728	PSVSR TS SRSSAN
8508	Q9H1Y3	189	VHGLGC TV DWWSK
8509	Q9H1Y3	240	CVEDLQ TI QVIKI

8510	Q9H1Y3	376	SIIFIIT T SDESLS
8511	Q9H1Y3	389	VDDSDK T NGSKVD
8512	Q9H211	82	EVSSP S TPEAPDI
8513	Q9H211	112	GQPPHL T SAQDQD
8514	Q9H211	152	DAGESC T PEAEGR
8515	Q9H211	215	NRSETP T FAKVQR
8516	Q9H211	241	NVGQIK T VYPASY
8517	Q9H211	257	QERSVP T FKDGTR
8518	Q9H211	358	PATEKL T TAQEV
8519	Q9H211	359	ATEKL T TAQEVLA
8520	Q9H211	402	RPALPAT T PPATPP
8521	Q9H211	439	KQLAQ M TRCPEQE
8522	Q9H211	488	MVGSCC T IMSPGE
8523	Q9H211	519	HRIRTD T YVKLDK
8524	Q9H2D6	211	GQKKED T GGGGRS
8525	Q9H2D6	380	QRENPR T PCVQQD
8526	Q9H2D6	396	ASSPNR T TQRENS
8527	Q9H2D6	502	TRDNPT T SQAQRD
8528	Q9H2D6	528	TRDNPR T SQAQRD
8529	Q9H2D6	620	SSPNR A TRDNPRT
8530	Q9H2D6	762	ASSPNR T IQQENL
8531	Q9H2D6	770	QQENLR T SCTRQD
8532	Q9H2D6	836	QQDNPK T SCTKRD
8533	Q9H2D6	866	QRDNPG T SSSQCC
8534	Q9H2D6	1271	LEREEY T VLADLP
8535	Q9H2D6	1952	VELSPL T QASPQR
8536	Q9H2G4	52	PRLQE E TEAAQVL
8537	Q9H2G4	459	SDFMET T DYFETT
8538	Q9H2G4	464	TTDYF E TTDNEIT
8539	Q9H2G4	493	VPNNET T DNNEA
8540	Q9H2K2	402	KTKEFL T PLHVAS
8541	Q9H2K2	821	VRSPG A TADALSS
8542	Q9H2K2	948	PYLTLN T SGSGTI
8543	Q9H2K2	1010	KLWERY T HRKEV
8544	Q9H2K8	445	KSASLV T RQIHEH
8545	Q9H2K8	640	ELNKKR T QKEMEH
8546	Q9H2K8	752	PKNEHK T ILKTLK
8547	Q9H2K8	762	TLKDEQ T RKLAIL
8548	Q9H2W2	91	SQRRKR T SFSAEQ
8549	Q9H2W2	166	NHCAPG T ETKCLK
8550	Q9H2W2	168	CAPGT E TKCLKPQ
8551	Q9H2W2	206	QGQNF E TCSPLE
8552	Q9H300	30	RSCEEL T AVLTPP
8553	Q9H300	34	ELTAVL T PPQLLG
8554	Q9H300	86	IPPVE E TVFYFSP
8555	Q9H300	105	IKPLFF T VGFTGC
8556	Q9H300	168	LSDGQR T VTGIIA
8557	Q9H300	170	DGQRTV T GIIAAN
8558	Q9H300	197	TMIRY F TSNPASK
8559	Q9H300	213	SPMLLS T FSHFSL
8560	Q9H300	267	YVGKV A TGRYGPS
8561	Q9H300	305	IFLPM F TFTAGNA
8562	Q9H300	307	LPMFT F TAGNALK
8563	Q9H300	347	FGIWYV T YGHELI
8564	Q9H307	30	ENIRKL T GRDPND
8565	Q9H307	235	IIKYIR T KTKPHL
8566	Q9H307	513	LAVLQ P TPQVTQE
8567	Q9H307	517	QPTPQV T QEQGHL

8568	Q9H3K6	26	HVEVED TT LNRC
8569	Q9H3K6	27	VEVED T LNRCSC
8570	Q9H3K6	74	HAFEQ K TLTPDQW
8571	Q9H3K6	76	FEQ K TLTPDQWAR
8572	Q9H3Y6	43	NTDPV P TLPAEPC
8573	Q9H3Y6	63	LALYD F TARCGGE
8574	Q9H3Y6	431	CPYEG M TNHETLQ
8575	Q9H3Y6	435	GMTNH E TLQQIMR
8576	Q9H3Z4	11	RQRSL S TSGESLY
8577	Q9H3Z4	146	APEGE E TEFYVSP
8578	Q9H3Z4	169	EREAT D TPIVIQP
8579	Q9H3Z4	182	ASAT E TQLTADS
8580	Q9H400	76	SLSK S TRLHELH
8581	Q9H400	188	EPQ Q GKTEVTPAA
8582	Q9H400	214	RRDPG P TTDPLDP
8583	Q9H400	269	PAGR S TCGAGTP
8584	Q9H425	114	FGDED L TWQDEHS
8585	Q9H425	211	AEFQ S LTPSQIKS
8586	Q9H425	300	QDDG E DLFSEPK
8587	Q9H425	319	SNV V LKTGFDFLD
8588	Q9H479	65	LEAL R STGLVRVP
8589	Q9H479	147	DKFG F HVTCCGF
8590	Q9H479	149	FGF H TVTCCGFIP
8591	Q9H479	261	FPR S FFTAYHRKI
8592	Q9H492	50	LPVL D KTKFLVPD
8593	Q9H492	76	RLQ L NPTQAFFLL
8594	Q9H492	93	SMV S VSTPIADY
8595	Q9H4X1	99	EKL N SPTDSTPAL
8596	Q9H4X1	102	NSPT D STPALLSA
8597	Q9H4X1	109	PALL S ATVTPQKA
8598	Q9H4X1	120	KAK L GD T KELEAF
8599	Q9H5V8	414	WMN V EKTISCTDH
8600	Q9H5V8	519	ISV T LR T FAPSFQ
8601	Q9H5V8	589	DQV A CL T FFKERS
8602	Q9H5V8	821	DVSS K DTDIPLN
8603	Q9H706	141	GEC N EDTEVYNIT
8604	Q9H706	348	AVRD V KTDWNEEC
8605	Q9H706	553	PSIP P RTVKPARQ
8606	Q9H706	583	NISV T KTDNTPSE
8607	Q9H7P6	27	PPP Q RGT D QSTMP
8608	Q9H7P6	45	SEAL P ET S MDPIT
8609	Q9H7P6	64	SRN R APTGYDVVA
8610	Q9H7P6	72	YDV V AQTADGVDA
8611	Q9H7P6	136	IQET V DTQEVAFR
8612	Q9H7P6	177	QAPP Q Y T FIGELN
8613	Q9H7P6	226	PRH S LTLPATFR
8614	Q9H7P6	230	SLTL P AT F RGRNS
8615	Q9H7P6	237	FRGR N STRTDYFY
8616	Q9H7P6	281	FDLL G ITIKSLAE
8617	Q9H7P6	298	YEYS F RT E QSAAA
8618	Q9H7P6	311	RLPP S P T RCQQIP
8619	Q9H7X0	47	SWYR D IT S NKKFF
8620	Q9H7X0	126	LKD H IST T TAQDHC
8621	Q9H7X0	141	IY L HVLT T NNTAI
8622	Q9H7X0	142	YLH V L T T N NTAIN
8623	Q9H7Z6	155	INH V Q K T YAEMDP
8624	Q9H7Z6	389	KDLS Q M T SITQND
8625	Q9H7Z6	399	QND I IST L QSLNM

8626	Q9H7Z6	437	YKKPPI T VDSVCL
8627	Q9H8M9	49	CIGLV L TLAALVI
8628	Q9H8M9	61	IRISCH T DCRRRP
8629	Q9H8M9	91	EDGSED T VSDLV
8630	Q9H8M9	113	LNKNV F TSAEELE
8631	Q9H8S9	61	EWIAVN T VDFFNQ
8632	Q9H8S9	76	MLYGT I TEFCTEA
8633	Q9H8S9	80	TITEF C TEASCPV
8634	Q9H8S9	101	YHWADG T NIKKPI
8635	Q9H8S9	120	YIDYLM T WVQDQL
8636	Q9H8S9	130	DQLDDE T LFPSKI
8637	Q9H8S9	150	FMSVAK T ILKRLE
8638	Q9H8V3	8	AENSV L TTSTGRT
8639	Q9H8V3	10	NSVL T STTGRTSL
8640	Q9H8V3	14	TSTTG R TSRADSS
8641	Q9H8V3	39	NLLIG S TSYVEEE
8642	Q9H8V3	131	ENVFV V TDQDSV
8643	Q9H8V3	222	HLVAN C TQGEKFR
8644	Q9H8V3	309	LGDER C THLVVEE
8645	Q9H8V3	463	AKELY Q TESNYVN
8646	Q9H8V3	500	APEEI K TIFGSIP
8647	Q9H8V3	513	DIFDV H TKIKDDL
8648	Q9H8V3	636	SLKEVM T HINEDK
8649	Q9H8V3	713	RHKVIG T FRSPHG
8650	Q9H8Y8	76	LIYSS K TLELRET
8651	Q9H8Y8	82	TLELRE T SVTPSN
8652	Q9H8Y8	85	LRETS V TPSNLWG
8653	Q9H8Y8	141	YIIGAD T VMNESE
8654	Q9H8Y8	155	LFSLIE T HEAKPL
8655	Q9H8Y8	168	KLYVYN T DTDNCR
8656	Q9H8Y8	278	LSTGV P TVPLLPP
8657	Q9H8Y8	291	QVNQ S LTSVPPMN
8658	Q9H8Y8	300	PPMNP A TTLPGLM
8659	Q9H8Y8	400	PSDPAT T TAKADA
8660	Q9H8Y8	401	SDPAT T TAKADAA
8661	Q9H8Y8	423	PTAKAP T TVEDRV
8662	Q9H9B4	40	PRNILL T NEQLES
8663	Q9H9B4	64	IVPPGL T ENELWR
8664	Q9H9B4	102	QVPMN M ITGCMM
8665	Q9H9B4	155	TAYVS A TTGAVAT
8666	Q9HAW4	142	LQSGN S TDFTTDR
8667	Q9HAW4	271	SELSKG T TRKERK
8668	Q9HAW4	272	ELSKG T TRKERKA
8669	Q9HAW4	377	AENEVE T NALPVV
8670	Q9HAW4	467	PQNPE E TDEKVEE
8671	Q9HAW4	550	KPRAG Q TVNVNVI
8672	Q9HAW4	576	ADVVP V TLAPKKL
8673	Q9HAW4	724	SLSSD S TLLLFKD
8674	Q9HAW4	802	GTSFF P TAGGFRS
8675	Q9HAW4	867	FCLEDD T QSQLLD
8676	Q9HAW4	1193	AQQGK I TAEEEEEE
8677	Q9HAW4	1313	RGPSF M TSPSPKH
8678	Q9HB71	68	AVVAP I TTGYTVK
8679	Q9HB71	94	KIYIT L TGVHQVP
8680	Q9HB71	161	RKKVEN T RWDYLT
8681	Q9HB71	183	EKPSYD T ETDPSE
8682	Q9HB75	352	PAGAT A TPITIRY
8683	Q9HB75	426	SWGDL E TYLEEEA

8684	Q9HB75	485	IFPPGAT TE EPRRV
8685	Q9HB75	596	YWLWYT TK NCVGG
8686	Q9HB96	148	RDLGVG TS MEGAS
8687	Q9HB96	297	LQQLLK TL EEGLE
8688	Q9HB96	376	GRILSL TS SASRL
8689	Q9HB96	385	ASRLLT TAL TSFC
8690	Q9HB96	395	SFCAKY TY PVCSA
8691	Q9HB96	412	VLQAPG TG PAQTE
8692	Q9HB96	417	GTGPAQ TE LLCCL
8693	Q9HB96	485	KGLAAT TS MAYAK
8694	Q9HB96	498	LMLTVM TK YQANI
8695	Q9HB96	505	KYQANI TET QRLG
8696	Q9HB96	520	MALEPN TT FLRKS
8697	Q9HB96	521	ALEPNT TF LRKSL
8698	Q9HBH9	72	KKRGRAT DS FSGR
8699	Q9HBH9	100	AHARVQ TC INLIT
8700	Q9HBH9	106	TCINLI TS QEYAV
8701	Q9HBH9	376	GCAPENT LT PTPMV
8702	Q9HBH9	393	SCAKDL TS FAAEA
8703	Q9HBH9	430	PVLVRAT SR CLQL
8704	Q9HBL0	84	GWPD LH TP ALEKI
8705	Q9HBL0	410	SDSGNST AST KTD
8706	Q9HBL0	1229	TGFHGS TV SSPQS
8707	Q9HBL0	1667	YPLNTV TF CDLDP
8708	Q9HBV2	33	ARGTNV TA AVQDA
8709	Q9HBV2	198	VATIKF TV YTSSE
8710	Q9HBV2	215	RSSLPAT DA ALIF
8711	Q9HBV2	257	WGAKAS TP EVQSE
8712	Q9HC16	8	KPHFRN TV ERMYR
8713	Q9HC16	16	ERMYRD TF SYNFY
8714	Q9HC16	89	DQEYEV TW YISWS
8715	Q9HC16	106	CTRDMAT FL AEDP
8716	Q9HC16	117	DPKVTL TI FVARL
8717	Q9HC16	201	HSMDPP TF TFNFN
8718	Q9HC16	203	MDPPT TF TFNFNNE
8719	Q9HC16	231	ERMHND TV VLLNQ
8720	Q9HC16	280	DQDYRV TC FTSWS
8721	Q9HC16	283	YRVTC TS WSPCF
8722	Q9HC16	311	VSLCIF TA RIYDD
8723	Q9HC16	327	CQEGLR TL AEAGA
8724	Q9HC77	97	DKSETH TA FPCIK
8725	Q9HC77	424	QQLQRK TA LKNKE
8726	Q9HC77	798	DFDDER TV TDLEE
8727	Q9HC77	982	VFEKYT TA ARTFP
8728	Q9HC98	20	SNNLCH TL GPVHP
8729	Q9HC98	35	PQRHPN TL SFRCS
8730	Q9HC98	63	SEVYKA TC LLDRK
8731	Q9HC98	70	CLLDRK TV ALKKV
8732	Q9HC98	148	RLIPER TV WKYFV
8733	Q9HC98	181	PANVFI TA TGVVK
8734	Q9HC98	183	NVFITAT TV VKLG
8735	Q9HC98	201	RFFSSE TTA AHSL
8736	Q9HCC9	152	ALRDLN TY TEKMR
8737	Q9HCC9	201	IVLFC ET VERALD
8738	Q9HCC9	275	DLLQTL TE EELHT
8739	Q9HCC9	409	MDDVEG TA EALAR
8740	Q9HCC9	468	NLEAEG TD GASLA
8741	Q9HCC9	508	EMIAHR TV GGMKLS

8742	Q9HCC9	516	GMKLSA T VIFNPK
8743	Q9HCC9	630	REPKAP T SDKCLP
8744	Q9HCC9	687	SGSSSS T AGSCSS
8745	Q9HCC9	743	VADQLQ T NYASDL
8746	Q9HCC9	793	CALCQ E TLSSSEL
8747	Q9HCC9	831	ACKAP F TVIRRKH
8748	Q9HCE9	11	ASGAGG T SLEGER
8749	Q9HCE9	139	AEFGGG T RGFSCE
8750	Q9HCE9	655	LEPGVF T LAEEDD
8751	Q9HCE9	994	FLSSGAT S SLAAA
8752	Q9HCN4	140	ASGTII T EALASS
8753	Q9HCN4	157	VIYVMD T SRSTNP
8754	Q9HCN4	325	PSDLIL T RGTLDL
8755	Q9HCN4	348	DIDHRV T EESHEE
8756	Q9HCQ7	13	KLFILL T LATSSL
8757	Q9HCQ7	21	ATSSLL T SNIFCA
8758	Q9HCQ7	105	ERSAGAT A NLPLR
8759	Q9HCQ7	134	PQRFGR T TTAKSV
8760	Q9HCX4	166	RFSHDI T PIILAA
8761	Q9HCX4	204	CKCNEC T EKQRKD
8762	Q9HCX4	241	SEDPVL T ALELSN
8763	Q9HCX4	257	RLANIE T EFKNDY
8764	Q9HCX4	422	LPNET F TDYPKQI
8765	Q9HCX4	433	QIFRVK T TQFSWT
8766	Q9HCX4	434	IFRVKT T QFSWTE
8767	Q9HCX4	439	TTQFSW T EMLIMK
8768	Q9HCX4	525	PEVAY F TYARDKW
8769	Q9HCX4	575	QISLGR T VKDIFK
8770	Q9HCX4	769	RNSEN L TANNTLS
8771	Q9HCX4	778	NTLSKP T RYQKIM
8772	Q9HD40	50	NGWDE S TLELFLH
8773	Q9HD40	325	SLDVL I TLLSLGS
8774	Q9HD40	366	NERLL H TPHNPIS
8775	Q9HD40	476	DDNYDK T EDVDIE
8776	Q9NP72	32	LRFTDD T FDPELA
8777	Q9NP72	72	GQERFR T LTPSY
8778	Q9NP72	108	WLNELE T YCTRND
8779	Q9NP72	154	IEASAK T CDGVQC
8780	Q9NP79	45	RLYAMQ T GMKIDS
8781	Q9NP79	81	GDNEAI T QEIVGC
8782	Q9NP79	135	TVFGEL T DENVKH
8783	Q9NP79	256	DPALFN T ISQGDV
8784	Q9NPD3	46	YIEQGN T KALAVV
8785	Q9NPD3	113	FEAAIL T QLHPRS
8786	Q9NPD3	168	AGFVDG T ALADLS
8787	Q9NPD3	226	AARDVH T LLDRVV
8788	Q9NQ92	48	SSQERE T EKAMDR
8789	Q9NQ92	59	DRLARG T QSIPND
8790	Q9NQ92	73	PARGEG T HSEEEG
8791	Q9NQ92	176	SKMVFE T GQFDDA
8792	Q9NQC3	216	KEQPGN T ISAGQE
8793	Q9NQC3	450	DTSFP S TPEGIKD
8794	Q9NQC3	512	TEKNT S TKTSNPF
8795	Q9NQC3	690	NAALQE T EAPYIS
8796	Q9NQC7	177	GRGQG F TDGVYQG
8797	Q9NQC7	451	VMEELN T APVQES
8798	Q9NQC7	514	DECAGC T DGTFRG
8799	Q9NQC7	525	RGTRY F TCALKKA

8800	Q9NQR1	90	DGENVFTGQSKIY
8801	Q9NQR1	294	GDLIEITDAKKRE
8802	Q9NQR1	331	VDATEITNRLGRL
8803	Q9NQR1	348	KCGNCQTKLHDID
8804	Q9NQS7	46	EAERMFTREFSKE
8805	Q9NQS7	135	AAAAAATMALAAP
8806	Q9NQS7	189	VTQLMSTEPLPRT
8807	Q9NQS7	204	PTPASATAPTSQG
8808	Q9NQS7	207	ASATAPTSQGIPT
8809	Q9NQS7	250	KGQGVGTGRSASK
8810	Q9NQS7	434	GQQEAKTDQADGP
8811	Q9NQS7	478	QPPRSKTPSSPCP
8812	Q9NQS7	507	RNQMLMTPTSAPR
8813	Q9NQS7	509	QMLMTPTSAPRSV
8814	Q9NQS7	802	VQSPACTSYQMTP
8815	Q9NQS7	807	CTSYQMTPOGHRA
8816	Q9NQT5	22	RARAARTVLGQVV
8817	Q9NQT5	81	GDRLLVTKCGRRLR
8818	Q9NQT5	122	HVIGIVTAKSGDI
8819	Q9NQT5	243	IWVKAKTIQQTLI
8820	Q9NQT8	116	SYTMMGTADQPGL
8821	Q9NQT8	170	PKGSRQTLKVREH
8822	Q9NQT8	1017	SAKDVPTGGIFQL
8823	Q9NQT8	1575	FSHSVSTATLSDA
8824	Q9NQX4	595	FFQENPTPPSPFG
8825	Q9NQX4	1148	EGLKKATRVLESH
8826	Q9NQX4	1560	QLSYFYTTMCQNG
8827	Q9NQX4	1659	EIYERCTSLSAVQ
8828	Q9NR20	83	PEKFSKTSFDDEH
8829	Q9NR20	294	WSLGCITAELYTG
8830	Q9NR20	299	ITAELYTGYPLFP
8831	Q9NR20	368	LTMVLKTYDTSFL
8832	Q9NR22	122	LDVGSGTGILSMF
8833	Q9NR22	282	KEVDIYTVKTEEL
8834	Q9NR22	316	YFNIEFTKCHKKM
8835	Q9NR22	347	YLEDYLTVRRGEE
8836	Q9NR30	41	KPKSDKTEEIAEE
8837	Q9NR30	111	KVVSSKTKKVTKN
8838	Q9NR30	569	IGVPSATEIIKAS
8839	Q9NR30	589	LDSVPPTAISHFK
8840	Q9NR50	110	LSCDLITDVALHE
8841	Q9NR50	163	FIGVDSYGKRLLF
8842	Q9NR50	272	FIKEANTLNLAPY
8843	Q9NR50	388	KDRVITINCLLMN
8844	Q9NRD5	24	TVPGKVTLQKDAQ
8845	Q9NRD5	56	VQVFDNTPAALDG
8846	Q9NRD5	63	PAALDGTVAAGDE
8847	Q9NRD5	71	AAGDEITGVNGRS
8848	Q9NRD5	98	EVKGEVTIHYNKL
8849	Q9NRD5	133	ENMSSGTADALGL
8850	Q9NRD5	159	LEELERTAELYKG
8851	Q9NRD5	183	FYELSQTHRAFGD
8852	Q9NRD5	227	GIRLLKTIKPMLT
8853	Q9NRD5	367	EVDLAHTTLAYGL
8854	Q9NRD5	368	VDLAHTTLAYGLN
8855	Q9NRD5	399	GEPSRDTRGAAGP
8856	Q9NRF9	16	LPNAVITRIIKEA
8857	Q9NRF9	49	VFVLYATSCANNF

8858	Q9NRF9	83	EFQRFV T PLKEAL
8859	Q9NRF9	114	KDKDKK T DSEEQD
8860	Q9NRH2	38	LARHV F TGEKVAV
8861	Q9NRH2	50	VKVIDK T KLDTLA
8862	Q9NRH2	84	LYEVID T QTKLYL
8863	Q9NRH2	247	ECKDLI T RMLQRD
8864	Q9NRH2	319	IVEALE T NRYNHI
8865	Q9NRH2	378	DLEDDL T ATPLSH
8866	Q9NRH2	386	TPLSH A TVPQSPA
8867	Q9NRH2	426	AGPAL S TVPPASL
8868	Q9NRH2	521	NIASPG T VHKRYH
8869	Q9NRH2	619	GGNPT N TSGTTRR
8870	Q9NRH2	692	KMCIS S TGNAGQV
8871	Q9NRH2	739	LPLCEK T ISVNIQ
8872	Q9NRM7	9	PKTFP A TTYSGNS
8873	Q9NRM7	165	GKGLMP T PVTRRP
8874	Q9NRM7	168	LMPTP V TRRPSFE
8875	Q9NRM7	283	SKTPP E TGGYASL
8876	Q9NRM7	406	CPVPSR T NSFNH
8877	Q9NRM7	616	VENVIK T YQQKVN
8878	Q9NRM7	776	FYIAEL T LAIESV
8879	Q9NRM7	808	DGHIKL T DFGLCT
8880	Q9NRM7	819	CTGFRW T HNSKYY
8881	Q9NRM7	931	VINWENT L HIPAQ
8882	Q9NRM7	999	ISHPMD T SNFDPV
8883	Q9NRM7	1080	SDLVDQ T EGCQPV
8884	Q9NRY4	97	MHIVEQ T EFIDDQ
8885	Q9NRY4	1052	PVHFEI T KGDLSY
8886	Q9NRY4	1118	TQGKI I TIRNINK
8887	Q9NRY4	1160	KPVLYR T RCTRLG
8888	Q9NS18	81	TSCSYC T MAKKLF
8889	Q9NS18	129	RIFVNG T FIGGAT
8890	Q9NS18	135	TFIGG A TDTHRLH
8891	Q9NS18	137	IGGATD T HRLHKE
8892	Q9NS28	61	PEFHED T RSSRS
8893	Q9NS28	73	GHLAKE T RVSPEE
8894	Q9NS28	190	MEQDSY T RFLKSD
8895	Q9NS28	210	GRPQR P TNLRRS
8896	Q9NS56	173	YNGSFV T PDRRFR
8897	Q9NS56	204	PVNRRT T TPPDSG
8898	Q9NS56	393	SDSSVI T ISPDEA
8899	Q9NS56	566	KEEKR S TSLSPPR
8900	Q9NS69	52	ERLWGL T EMFPER
8901	Q9NS69	89	AALWIG T TSFMIL
8902	Q9NS69	103	LPVVF E TEKLQME
8903	Q9NS69	125	ILLGP N TGLSGGM
8904	Q9NUB1	80	GPLARD T LVWDTP
8905	Q9NUB1	137	ERDEPG T EVURITY
8906	Q9NUB1	193	RIGAVH T VIFAGF
8907	Q9NUB1	509	WPGMAR T IYGDHQ
8908	Q9NUP9	74	EVRA N ATAKATVA
8909	Q9NUP9	78	NATAK A TVAAFAA
8910	Q9NUP9	99	VVELPK T EEGLGF
8911	Q9NUP9	174	KLVVRY T PKVLEE
8912	Q9NV92	144	SAPALE T DSSPPP
8913	Q9NV92	160	ITVEVP T SDTEV
8914	Q9NV92	204	AAAA A ETSQRIQE
8915	Q9NV92	257	SFCIT N TIAGRYG

8916	Q9NVI1	23	LQEFLO TL REGDL
8917	Q9NVI1	187	FKDVPL TA EVEVF
8918	Q9NVI1	317	ALLLSV TRI QRFQ
8919	Q9NVI1	362	HRSYVS TM ILEVV
8920	Q9NVI1	450	VLNRVV TR ASSPI
8921	Q9NVI1	886	VLLWRY TS IPTSV
8922	Q9NVI1	937	LRALDV TD KEGEE
8923	Q9NVI1	990	LLVTVL TS LSKLL
8924	Q9NVI1	1079	AIVNLR TA APTVC
8925	Q9NVI1	1124	EASSQA TL PNQPV
8926	Q9NVI1	1151	FHELVQ TAL PSGS
8927	Q9NVI1	1206	LSGSHL TP LCYSF
8928	Q9NVI7	221	EAMRRAT VER EME
8929	Q9NVI7	340	RETSRI TV LEALR
8930	Q9NVI7	386	AIATRNT TK NRSL
8931	Q9NVI7	488	NAFLYRT QG HSNK
8932	Q9NVJ2	52	SEDMIPT TV GFMNR
8933	Q9NVJ2	61	FNMRKV TK GNVTI
8934	Q9NVJ2	66	VTKGNV TI KIWDI
8935	Q9NVJ2	173	KDNIDI TL QWLIQ
8936	Q9NVX2	40	DVPVDI TP DRLQL
8937	Q9NVX2	107	RAVTRC TS SLEGH
8938	Q9NVX2	233	SVRIWD TT AGRCE
8939	Q9NVX2	268	SASQDR TI KVWRA
8940	Q9NW13	51	RGFGYV TF SMLED
8941	Q9NW13	198	KDKYKD TQ SVSAI
8942	Q9NW13	385	AFAQFM TQ EAAQK
8943	Q9NW13	437	VKKPTG TR NLYLA
8944	Q9NWH9	337	GDKEKD TL KKGPS
8945	Q9NWH9	395	SGLSSN TK AADLK
8946	Q9NWH9	488	SGDKKN TS DRSSK
8947	Q9NWH9	563	MVILDQ TK GDHCR
8948	Q9NWQ8	31	AIFFVI TF LIFLC
8949	Q9NWQ8	147	AVDTML TAR SVDG
8950	Q9NWQ8	361	CNDLYA TV KDFEK
8951	Q9NWQ8	404	EKATLG TNG HHGL
8952	Q9NWZ3	9	KPITPS TY VRCLN
8953	Q9NWZ3	62	FEALLQ TG KSPTS
8954	Q9NWZ3	76	LLFDWG TT NCTVG
8955	Q9NWZ3	111	VPKTAN TL PSKEA
8956	Q9NWZ3	163	SLEVSD TR FHSFS
8957	Q9NWZ3	208	KGYVNN TT VAVKK
8958	Q9NWZ3	222	AAMVDI TT EELKQ
8959	Q9NWZ3	280	LSCLDG TP PLSWH
8960	Q9NWZ3	351	TSRIVG TT AYMAP
8961	Q9NWZ3	365	ALRGEI TP KSDIY
8962	Q9NWZ3	409	IEDEEK TI EDYID
8963	Q9NWZ3	424	MNDAD TS VEAMY
8964	Q9NX09	13	RFSSSS TS SSPSS
8965	Q9NX09	38	SAWGSAT TR EEGFD
8966	Q9NX09	47	EGFDRS TS LESSD
8967	Q9NX09	70	FGPEED TAY LDGV
8968	Q9NX09	172	DPSLVP TF QLTLV
8969	Q9NX09	176	VPTFQL TL VLRLD
8970	Q9NX09	209	GFSQSL TL STGFR
8971	Q9NX09	212	QSLT LS TGFRVIK
8972	Q9NX76	11	AVYSPT TE EDPGP
8973	Q9NX76	110	SSDFYI TL GTGCV

8974	Q9NX76	127	SIIFVSTHDRTSA
8975	Q9NX76	172	RKPENTTRAERALT
8976	Q9NXV6	223	SVSSQVTTAGSGK
8977	Q9NXV6	257	SVNSHMTQSTDSR
8978	Q9NXV6	320	TASSGLTSKTSSE
8979	Q9NXV6	429	KFSCKLTNEDVKQ
8980	Q9NYA1	54	SFTLMLTERRNHA
8981	Q9NYA1	139	DLLTNCTLLLCRR
8982	Q9NYA1	193	LGEMRFTLGTFLR
8983	Q9NYA1	196	MRFTLGTFRLAA
8984	Q9NYF0	455	SKHLPKTAKPASQ
8985	Q9NYF0	600	LENGLPVREKTR
8986	Q9NYF0	674	KPKHKRTDYRRWK
8987	Q9NYF0	790	WSQFVQTLPIQTV
8988	Q9NYF8	42	SRSRSRTYSRSRS
8989	Q9NYF8	464	NYKLKETGYVVER
8990	Q9NYF8	494	ITVKKETQSPEQV
8991	Q9NYF8	661	IDISPSTLRKHTR
8992	Q9NYL2	226	EKNERLTIIPSSCP
8993	Q9NYL2	290	RCEIEATLERLKK
8994	Q9NYL2	328	LTEQSNTPLLPSF
8995	Q9NYL2	374	FKENNI TGKRLLL
8996	Q9NYL2	471	GDEIAITYIKDVT
8997	Q9NYL2	491	AEILKMTKPPFVM
8998	Q9NYL2	526	VRTPKSTKHVHSI
8999	Q9NYL2	537	SIQWSRTPKPQDEV
9000	Q9NYL2	552	VQLAIQTLFTNSD
9001	Q9NYL2	742	DLHQPNTIPGMPL
9002	Q9NYL2	769	VSEGGWTKVEYRK
9003	Q9NYL2	785	RPSPAKTNKERAR
9004	Q9NYV4	128	LLKAKQTEKEKSQ
9005	Q9NYV4	255	SPSRSHTSNNYDS
9006	Q9NYV4	518	IVTPKETETSEKE
9007	Q9NYV4	520	TPKETETSEKETP
9008	Q9NYV4	542	PPPLPTTTPPPQT
9009	Q9NYV4	715	YGERRQTESDWGK
9010	Q9NYV4	749	KAKDKDTGELVAL
9011	Q9NYV4	770	KEGFPIAIREIK
9012	Q9NYV4	1070	KTSRKETTSGTST
9013	Q9NYV4	1341	NRTYGNTDGPETG
9014	Q9NYV4	1375	TLVKNRTFSGSLS
9015	Q9NYV4	1435	SVVHAETKLQNYG
9016	Q9NYV6	8	AAPLLHTRLPGDA
9017	Q9NYV6	29	KL GASRTGISNMR
9018	Q9NYV6	55	TVRFGGTVTEVLL
9019	Q9NYV6	57	RFGGTVTEVLLKY
9020	Q9NYV6	103	SSIMYLTKDFEQL
9021	Q9NYV6	141	NLVSAQTVFLRPC
9022	Q9NYV6	221	VRKSERTLECYVH
9023	Q9NYV6	277	TQTCGGTDSTEGL
9024	Q9NYV6	292	MDEDEETEHEHETKA
9025	Q9NYV6	296	EETEHEHETKAGPER
9026	Q9NYV6	340	KVDNGKTKDLYRD
9027	Q9NYV6	517	NFFAAITNKYQLV
9028	Q9NZ53	43	PGPEGLTSTSLLD
9029	Q9NZ53	54	LDLLLPTGLEPLD
9030	Q9NZ53	133	AGSIEDTSQAQEL
9031	Q9NZ53	249	LLLPSVTPTTVTP

9032	Q9NZC7	12	YAGLDD TD SEDEL
9033	Q9NZC7	38	VYYANH TE EKTQW
9034	Q9NZC7	67	YGWEQ ETD ENGQV
9035	Q9NZC7	112	RYDGST T AMEILQ
9036	Q9NZJ0	41	SGNDEH TS YGETG
9037	Q9NZJ0	158	EKAVF CTG GRDGN
9038	Q9NZJ0	170	NIMVWD TRC NKKD
9039	Q9NZJ0	196	NTSDK QTP SKPKK
9040	Q9NZJ0	229	LFQD ENTL VSAGA
9041	Q9NZJ0	285	LDSTGS TL FANCT
9042	Q9NZJ0	291	TLFAN CTDD NIYM
9043	Q9NZJ0	301	IYMFNM T GLKTSP
9044	Q9NZJ0	318	NGHQ NSTF YVKSS
9045	Q9NZJ0	429	VTSS QSTP AKAPR
9046	Q9NZJ0	466	LPSNT P TFSIKTS
9047	Q9NZJ0	616	KIEGAG TS ISEPP
9048	Q9NZJ5	110	SLVIIS TL DGRIA
9049	Q9NZJ5	202	GGKSL TTY GLSAY
9050	Q9NZJ5	731	GISCD Q TSSSESQ
9051	Q9NZJ5	987	HTGQ VG TKLYMSP
9052	Q9NZN3	73	YSTG K TFIRYLL
9053	Q9NZN3	93	RIGPE PT TD SFIA
9054	Q9NZN3	94	IGPE PT TD SFIAV
9055	Q9NZN3	463	PVDGKI T GANAKK
9056	Q9NZT1	27	DTDGNG T INAQEL
9057	Q9NZT1	40	GAALK ATG KNLSE
9058	Q9NZT1	71	SFQEF LTA AKKAR
9059	Q9NZT1	99	DGDGH ITV DELRR
9060	Q9NZU7	43	GPAPR RTA PPPPG
9061	Q9NZU7	69	AKSESK TS LLKAA
9062	Q9NZU7	316	AFREFD T NGDGEI
9063	Q9NZU7	324	GDGEIS T SELREA
9064	Q9P013	46	KIKYR QTT QDAPE
9065	Q9P013	47	IKYR QTT QDAPEE
9066	Q9P013	84	RPTREH TT SSSVS
9067	Q9P013	214	KRFVND TL RSEFH
9068	Q9P0L2	19	RDTE NH TSVDGYT
9069	Q9P0L2	32	EPHIQ PTK SSSRQ
9070	Q9P0L2	99	KTQLN P TSLQKLF
9071	Q9P0L2	465	RKLG STTV GSKSE
9072	Q9P0L2	473	GSKSEM T ASPLVG
9073	Q9P0L2	526	GKDSSL TE MSVSS
9074	Q9P0L2	581	AYRPG T TQRVPA
9075	Q9P0L2	596	SAHSIS T ATPDRT
9076	Q9P0L2	602	TATPD RTR FPRGS
9077	Q9P0L2	674	GEASGR TD TSRST
9078	Q9P0L2	708	FTWSM KTT SSMDP
9079	Q9P0L2	709	TWSM KTT SSMDPN
9080	Q9P126	14	ITLNI K TRKPALI
9081	Q9P126	93	QSELKG TF KGHKC
9082	Q9P126	122	FFRHNL T WEESKQ
9083	Q9P126	206	NGKM HP TFCENKH
9084	Q9P1Z0	189	DAWVP P TPAPMAT
9085	Q9P1Z0	195	TPAPM ATS QPEED
9086	Q9P1Z0	320	CERSY V TLSSLKR
9087	Q9P1Z0	373	CIFCW ET FVTTYN
9088	Q9P1Z0	411	YKPKLN TL KLYRL
9089	Q9P1Z0	429	AKRPY K TSQGAP

9090	Q9P1Z0	511	ASVITY T APPRPP
9091	Q9P1Z0	534	EPAATP T SPATAV
9092	Q9P1Z0	544	TAVSPATA A AGPAM
9093	Q9P1Z0	571	GRTLTY T AKPVGG
9094	Q9P1Z0	776	CAKVCK T AAALSR
9095	Q9P1Z0	844	AEEASE T ASLQDP
9096	Q9P2R3	181	EELNAS T LMNYCA
9097	Q9P2R3	218	KMIKSK T EYPLHK
9098	Q9P2R3	497	GETPLH T ACRHGL
9099	Q9P2R3	676	VVDAIC T RGADMS
9100	Q9P2Y5	73	TLHLC S TEKIYKE
9101	Q9P2Y5	93	KNSLN P TWRSLDF
9102	Q9P2Y5	229	KLRLT S TSNELKK
9103	Q9P2Y5	545	ETERKI T SLSSSL
9104	Q9UBC9	67	VPEPGC T KVPEPG
9105	Q9UBC9	107	VPEPGY T KVPEPG
9106	Q9UBC9	139	VPEQGY T KVPVPG
9107	Q9UBF6	49	WDVECD T CAICRV
9108	Q9UBF8	14	PAPLK P TSEPTSG
9109	Q9UBF8	34	SLLSV I TEGVGEL
9110	Q9UBF8	112	AAVASG T AKGARR
9111	Q9UBF8	234	QRHSRG T KLRKLI
9112	Q9UBF8	280	RSKSDA T ASISLS
9113	Q9UBF8	309	EELSS S TESIDNS
9114	Q9UBF8	349	PTKEQ K TQRLISE
9115	Q9UBF8	371	ARVWL P TAGFDHH
9116	Q9UBF8	411	ECENFD T TSVPAR
9117	Q9UBF8	476	ELPEVH T NSCDNI
9118	Q9UBF8	491	FSVDS I TSQESKE
9119	Q9UBF8	802	SMRSIT T KLYDGF
9120	Q9UBK5	20	PVAAAQ T TPGERS
9121	Q9UBK5	21	VAAAQ T TPGERSS
9122	Q9UBK5	35	PAFYPG T SGSCSG
9123	Q9UBL3	25	GAVANAT G AEEGE
9124	Q9UBL3	121	LQCGIC T KWFTAD
9125	Q9UBL3	177	SALANL T WQSRTQ
9126	Q9UBL3	616	VLYHVE T EVDGRR
9127	Q9UBN4	400	RQGPP P TIVEWMI
9128	Q9UBN4	448	NSLYLA T ISLKIV
9129	Q9UBN4	563	QNNAF S TLFETLQ
9130	Q9UBN4	640	EWKFAR T KLWMSY
9131	Q9UBP6	58	EFFAPL T QNQSHD
9132	Q9UBP6	155	FYKGQL T KMFFLF
9133	Q9UBP6	198	GLVYTI T DVLELH
9134	Q9UBP6	236	VVGHLG T STEEGK
9135	Q9UBQ5	28	NPENLA T LERYVE
9136	Q9UBQ5	35	LERYVE T QAKENA
9137	Q9UBQ5	63	NPAFFQ T TVTAQI
9138	Q9UBQ5	80	LTNLPH T DFTLCK
9139	Q9UBR4	21	GAAAVC T LGGTRE
9140	Q9UBR4	25	VCTLGG T REIPLC
9141	Q9UBR4	88	FFKRFG T KCAACQ
9142	Q9UBR4	127	CKRQLA T GDEFYL
9143	Q9UBR4	147	CKADYE T AKQREA
9144	Q9UBR4	156	QREAE A TAKRPRT
9145	Q9UBR4	162	TAKRP R TTITAKQ
9146	Q9UBR4	165	RPRTT I TAKQLET
9147	Q9UBR4	194	EQLSSE T GLDMRV

9148	Q9UBR4	280	GSLGEP T QALGRP
9149	Q9UBR4	342	SLVYPD T SLGLVP
9150	Q9UBR4	372	PSSDL S TGSSGGY
9151	Q9UBW8	74	TVFAYG T YADYLA
9152	Q9UBW8	89	RNLPPL T EAQKNK
9153	Q9UBW8	224	KTIKVT T AAAAAA
9154	Q9UBW8	240	DPEQHL T ELREPA
9155	Q9UD71	153	QSAGQK T TCGQGL
9156	Q9UD71	154	SAGQKT T CGQGLE
9157	Q9UER7	78	ELCKMQ T ADHPEV
9158	Q9UER7	132	YINELC T VLKAHS
9159	Q9UER7	556	EQPEEL T LEESP
9160	Q9UER7	611	AGMV S TSFN
9161	Q9UEW8	21	QQAAPV T AAAAAA
9162	Q9UEW8	224	ATGGDV T RNKVRK
9163	Q9UEW8	352	LIEKLL T RTPDIA
9164	Q9UEW8	473	DIRFE F TPGRDTA
9165	Q9UG01	151	SSTIYG T ESYVVS
9166	Q9UG01	231	EGHMLQ T FDYSRD
9167	Q9UG01	244	PQERE F TTAVSSP
9168	Q9UG01	1269	EYERE A TKKGARG
9169	Q9UGC7	134	DLILEV T AGVGGQ
9170	Q9UGC7	166	KRWHF E TLEYFPS
9171	Q9UGC7	243	KDLRID T KRASGA
9172	Q9UGC7	348	TLHDLE T FMQGDY
9173	Q9UGK3	72	GAFEKL T DEIPWG
9174	Q9UGK3	115	WKGFI L TVVELRV
9175	Q9UGK3	282	PGPAPC T GGPKPL
9176	Q9UGK3	388	AGLADM T AELQKK
9177	Q9UH99	33	VAGSQ S TLFKDSP
9178	Q9UH99	187	YWWAG T TWYRLTT
9179	Q9UH99	193	TWYRL T TAASLLD
9180	Q9UH99	524	EGVIGV T EEQVHH
9181	Q9UHD1	79	VKPEVK T TEKKEL
9182	Q9UHD1	155	DEIKIG T SCKNGG
9183	Q9UHD1	237	RHDWHQ T GGEVTI
9184	Q9UHD1	294	VKRSYV T MTATKI
9185	Q9UHD2	96	PCGS L YTVLEEPS
9186	Q9UHD2	239	VMYKII T GKPSGA
9187	Q9UHD2	503	EISDIH T KLLRLS
9188	Q9UHD2	634	KQLLSL T NQCFDI
9189	Q9UHM6	48	LPSIS P TAPGTWA
9190	Q9UHM6	83	ILLVGL T GMLGNL
9191	Q9UHM6	162	SSMITL T AIALDR
9192	Q9UHM6	265	FRAIRE T GRALQT
9193	Q9UHP3	286	MKAEE E TDEECPK
9194	Q9UHP3	364	GQEHWF T ELPPVL
9195	Q9UHP3	504	SSELP S TSPSSVA
9196	Q9UHP3	680	PLVGIE T LPPDLR
9197	Q9UIA9	363	RLIAN F TVTSLQH
9198	Q9UIA9	406	HMLETY T PEVTKA
9199	Q9UIA9	436	EDPLED T GLVQQQ
9200	Q9UIA9	666	TDMRCR T TFYTAL
9201	Q9UIB8	70	TPGDSE T APVVTV
9202	Q9UIB8	148	MASVN S TCNVTLT
9203	Q9UIB8	265	EGSCLN T FTKNPY
9204	Q9UIB8	277	YAASK K TIYTYIM
9205	Q9UIF9	66	TVSHT T TSGILNS

9206	Q9UIF9	224	AAEKEM T SVVAEN
9207	Q9UIF9	507	PAAAF P TASPANK
9208	Q9UIF9	1513	KEKTYE T DLAVLQ
9209	Q9UJ70	13	GVEGGG T RSEVLL
9210	Q9UJ70	35	EADGL S TNHWLIG
9211	Q9UJ70	42	NHWLIG T DKCVER
9212	Q9UJ70	303	NFFSS F TLMKLRH
9213	Q9UJQ4	125	VLSHQ P TSPGSKD
9214	Q9UJQ4	164	ETAL P TPQDISY
9215	Q9UJQ4	420	VCGHR F TTKGNLK
9216	Q9UJQ4	944	TMALL G TDGKRVS
9217	Q9UJX2	13	MVPVAV T AAVAPV
9218	Q9UJX2	43	LLIAG L TRERGLL
9219	Q9UJX2	196	DVFVEA T HVLPLH
9220	Q9UJX2	214	ELCNLI T DKEMLK
9221	Q9UJX2	227	FLSL P DTWMKEFF
9222	Q9UJX2	239	FLAHY I TELQLIE
9223	Q9UJX2	302	RIENMD T FSNLLY
9224	Q9UJX2	333	DKYRV E TCCVIGN
9225	Q9UJX2	369	RYLGAW T LMGHEY
9226	Q9UJX2	408	WYGLG Q TYEILKM
9227	Q9UJX2	531	LWDEAS T CAQKCC
9228	Q9UJX2	542	CCAFND T REEGKA
9229	Q9UJX4	129	EPEVH K TSVVGLE
9230	Q9UJX4	156	QVFKLY T ALQQYF
9231	Q9UJX4	394	RAFAG K TANKLMD
9232	Q9UJX4	536	SLVTG I TALNSIE
9233	Q9UJX5	199	FKIAR V TGIAGTC
9234	Q9UJX5	296	FVQEKN T TTSVQD
9235	Q9UJX5	453	FVAEFL T EHFNEA
9236	Q9UJX5	656	TVVLK D TVGREGR
9237	Q9UJX6	26	LLVAWN T VSTGLV
9238	Q9UJX6	144	LGLLM G TGAQGLR
9239	Q9UJX6	398	NTCDI I TLYISAI
9240	Q9UJX6	459	AVELSK T DPASLE
9241	Q9UJY1	45	PFPDDL T ASWPDW
9242	Q9UJY1	74	MVPRG P TATARFG
9243	Q9UJY1	76	PRGPTA T ARFGVP
9244	Q9UJY1	87	VPAEGR T PPPFPG
9245	Q9UJY1	114	EELMV K TKDGYVE
9246	Q9UJY1	140	IVSKNF T KKIQLP
9247	Q9UJY1	153	AEVDP V TVFASLS
9248	Q9UJY1	176	QVPPY S TFGESSF
9249	Q9UJZ1	9	ARAARG T GALLLR
9250	Q9UJZ1	210	VLESEG T TRESAIN
9251	Q9UJZ1	306	SNPGDV T TSMVAQA
9252	Q9UJZ1	342	SRDVQ G TDASLDE
9253	Q9UK32	171	SKEVL F TEEDVKF
9254	Q9UK32	215	IGHIK L TDFGLSK
9255	Q9UK32	236	AYSFC G TVEYMAP
9256	Q9UK32	357	SGKPDD T FCFDPE
9257	Q9UK32	365	CFDPE F TAKTPKD
9258	Q9UK32	447	KRCIH A TNMEFA
9259	Q9UK32	497	RYVYL V TDLMKGG
9260	Q9UK32	530	LYVIS K TVDYLHC
9261	Q9UK32	620	TMLAG Y TPFANGP
9262	Q9UK32	629	ANGPND T PEEILL
9263	Q9UK32	684	LKHSW I THRDQLP

9264	Q9UK32	710	KGAMVATYSALTH
9265	Q9UK55	31	SPQSPETPAPQNQ
9266	Q9UK55	79	QQLAKETSNGFS
9267	Q9UK55	278	AGKFASTFDKNFR
9268	Q9UK55	323	TTDLVETWLRNMK
9269	Q9UK76	38	LGFDPETEQPVRK
9270	Q9UK76	54	ASNIFGTPEENQA
9271	Q9UK76	110	IHENVDTDLP GSL
9272	Q9UKG1	231	FLANIGTSVQNV R
9273	Q9UKG1	250	IETMQQTIEDLEV
9274	Q9UKG1	425	RPPTARTSSSGSL
9275	Q9UKG1	489	GESGGSTKSETED
9276	Q9UKI8	192	PNSPSP TALAFGD
9277	Q9UKI8	214	SFKIIQTDLTMLK
9278	Q9UKI8	283	LLIEKSTQEKLSS
9279	Q9UKI8	536	DTDTFCTVLEYCE
9280	Q9UKM9	11	LQASNVTKNDPK
9281	Q9UKM9	175	RSTAVTTSSAKIK
9282	Q9UKM9	192	ELQAIKTELTQIK
9283	Q9UKM9	263	APQENTTSEAGLP
9284	Q9UKT5	60	EAASTLTRLPIDV
9285	Q9UKT5	92	NHYWNETVRDPIL
9286	Q9UKT5	239	ILILYSTTRKERD
9287	Q9UKT5	240	LILYSTTRKERDR
9288	Q9UKV3	486	LSSPSDTKAESPA
9289	Q9UKV3	720	SAEKHVTQRLQPE
9290	Q9UKV3	868	PSISITTESLKSL
9291	Q9UKV3	902	RISEDETERNGDD
9292	Q9UKV8	118	KVELEVTLPGEGK
9293	Q9UKV8	293	RPASHQTFPLQQE
9294	Q9UKV8	368	STMIRATARSAPD
9295	Q9UKV8	657	IQFYKSTRFKPTR
9296	Q9UL25	50	FNDKHIITTLQASF
9297	Q9UL25	51	NDKHITTLQASFL
9298	Q9UL25	58	LQASFLTCKLNIG
9299	Q9UL25	102	ILVYDITDEDSFQ
9300	Q9UL42	42	QEVLQETLKSLGR
9301	Q9UL42	73	LELLEDTDVSAIP
9302	Q9UL42	198	VKEWPVTEAEKKR
9303	Q9UL42	249	SLESRRTAQVRYL
9304	Q9UL46	58	LNVAIDLTSLRAPL
9305	Q9UL46	123	KCILVITWQHLLI
9306	Q9UL46	155	RVNAVKTKEAFQ
9307	Q9UL46	163	VEAFQTTISKYFS
9308	Q9UL54	185	ANSFVGTPYWMAP
9309	Q9UL54	471	HFATIRTASLVSR
9310	Q9UL54	767	ALGPPNTGTPIEQ
9311	Q9UL54	1179	PPWAIHTLASWGL
9312	Q9ULC4	19	NCIQLKTSVIKGI
9313	Q9ULC4	63	EHIEILTVNGELL
9314	Q9ULC4	117	IMCPGLTSPGAKL
9315	Q9ULC4	130	YPAAVDTIVAIMA
9316	Q9ULV5	33	LVGDPGTDHLIRW
9317	Q9ULV5	153	RGVQESTEARLRE
9318	Q9ULV5	319	ECDFCVTAPPPLP
9319	Q9ULV5	471	GLPGALTIYSTPE
9320	Q9ULV8	158	TKAPAHTFWRESC
9321	Q9ULV8	201	RTTIDLTCSGHVS

9322	Q9ULV8	243	GYMAFLTYDEVQE
9323	Q9ULV8	347	YWAMDS T FELCKI
9324	Q9UM07	130	TGKVKP T RAVKDQ
9325	Q9UM07	198	DFFT NH TLVLHVA
9326	Q9UM07	266	DFPGLI T LTISLL
9327	Q9UM07	324	DFLKSV T TLAMKA
9328	Q9UM11	134	FTYSL S TKRSSPD
9329	Q9UM11	207	LSVGLG T CVYLWS
9330	Q9UM11	387	CIRFW N TLTGQPL
9331	Q9UM11	479	FSKTR S TKVKWES
9332	Q9UM21	25	LTLSWY T TWQNGK
9333	Q9UM21	76	KRVGA E TNGSKDA
9334	Q9UM21	180	VVFIGE T DIDYVH
9335	Q9UM21	224	LTNLKE T FGDSKE
9336	Q9UM73	533	PASESA T VTSATF
9337	Q9UM73	697	SGPHGP T QAQCNN
9338	Q9UM73	1026	SCI V SP T PEPHLP
9339	Q9UM73	1457	KAAK K P T AAEISV
9340	Q9UMD9	68	SGYIN S TGSTRGH
9341	Q9UMD9	292	NLAP S L T TLSHGT
9342	Q9UMD9	303	GTTTT S TAYGVKK
9343	Q9UMD9	330	TSAAC T TSVQSDD
9344	Q9UMS4	317	GLSLHA T GDYLLS
9345	Q9UMS4	396	GHSGPI S IAFSE
9346	Q9UMS4	409	NGYYLA T AADDSS
9347	Q9UMS4	478	TEHSG L T TGVAFG
9348	Q9UNE7	54	CYGRAI T RNPLVA
9349	Q9UNE7	251	ITPSGI T YDRKDI
9350	Q9UNE7	271	GHFDPV T RSPLTQ
9351	Q9UNE7	276	VTRSP L T QEQLIP
9352	Q9UNF1	72	ATEVSK T PEAREA
9353	Q9UNF1	86	ATQAS S T TQLTDT
9354	Q9UNF1	117	ADPQAV T MPATET
9355	Q9UNF1	141	NTKAQ E T EAAPSQ
9356	Q9UNL4	35	RDLDQ R T EDLKAE
9357	Q9UNL4	89	VQLAMQ T YEMVDK
9358	Q9UNL4	167	KLKLVR S PEYGM
9359	Q9UNL4	230	FACVGL T TKPRGK
9360	Q9UNS2	87	VQLFI S T CNGEHI
9361	Q9UNS2	139	MNTN Q L S IHADL
9362	Q9UNS2	245	QQLPKY S SQIVGR
9363	Q9UNS2	313	IQRLTK T FLTSL
9364	Q9UP65	76	GLLDAV T YLAGVS
9365	Q9UP65	123	AKSLQ K T IQAARS
9366	Q9UP65	191	EARAP E T WFEFTP
9367	Q9UP65	488	WSDTYD T FKLADT
9368	Q9UPN6	27	ISKAK M T QITKAA
9369	Q9UPN6	166	TPVTPV T PANVVQ
9370	Q9UPN6	209	LQQLIQ T LQIQQQ
9371	Q9UPN6	237	VQLQAL T AQLTAA
9372	Q9UPN6	477	TL S VCS T TLWVGQ
9373	Q9UPN6	556	LNKGVK E YKQFW
9374	Q9UPN6	614	VKETV Q T TQSPTP
9375	Q9UPN6	706	PVVPP P T IPPVVP
9376	Q9UPN6	761	NVFNAP T KQAEPE
9377	Q9UPN6	899	TPGLLG T QPPAGP
9378	Q9UPN6	995	QSVDNV T NPEKRI
9379	Q9UPN6	1203	DYFEG A S SQRKGD

9380	Q9UPP1	110	SSKGHD TH KGKPV
9381	Q9UPP1	351	QTLFI PT GWIHAV
9382	Q9UPP1	571	SHQALK TG SFQKA
9383	Q9UPP1	614	LMSNG ST KRVKSL
9384	Q9UPT6	357	LDMCP ET RLDRTG
9385	Q9UPT6	433	NSQL LE TKNALNV
9386	Q9UPT6	795	DANQPG TV VDQFT
9387	Q9UPT6	925	LTEHV F TDPA PT P
9388	Q9UPV0	1311	DPKST P TPTYYGS
9389	Q9UPV0	1328	SALSSA PT PTSTQW
9390	Q9UPV0	1330	LSSA PT PTSTQAW
9391	Q9UPV0	1332	SATPT ST QAWDS
9392	Q9UPY6	152	DGLKFY TD PSYFF
9393	Q9UPY6	169	EKMLQ D TE DK RKE
9394	Q9UPY6	188	QKRID G TTRE V KK
9395	Q9UPY6	388	PPHP ST TGLLVTA
9396	Q9UPZ9	14	RQLGD G TYGSVLL
9397	Q9UPZ9	195	IMAEV Y TLRPLFP
9398	Q9UPZ9	208	GASEID T IFKICQ
9399	Q9UPZ9	218	ICQVL G TPKKTDW
9400	Q9UPZ9	248	VPNNL K TLIPNAS
9401	Q9UPZ9	294	HPLG ST TQNLQDS
9402	Q9UPZ9	348	QPPLHL TY PYKAE
9403	Q9UPZ9	387	HPQSKI T AGLEHK
9404	Q9UPZ9	463	PSEPVG T GNSAPT
9405	Q9UPZ9	469	TGNSA PT QT S YQR
9406	Q9UPZ9	478	SYQRRD T PTLRSA
9407	Q9UPZ9	552	TSSSG L TGNYVPS
9408	Q9UQ35	288	AAAK TH TTALAGR
9409	Q9UQ35	1880	RRSR S RTPLISRR
9410	Q9UQ35	1990	SRTSPV T RRRSRS
9411	Q9UQ80	60	AMIME E TGKIFKK
9412	Q9UQ80	124	IANVA H TFVVDVA
9413	Q9UQ80	133	VDVAQ G TQVTGRK
9414	Q9UQ80	382	KTAEN A TSGETLE
9415	Q9UQ84	309	DDVD P ETLSYAGQ
9416	Q9UQ84	334	GNKDIN T FEQIDD
9417	Q9UQ84	405	VERVIS T KG L NLP
9418	Q9UQ84	528	IQPLDE T AVTDKE
9419	Q9UQ84	531	LDETA V TDKENNL
9420	Q9UQ84	594	FESSK F TRTISPP
9421	Q9UQ84	601	RTISP P TLGTLS
9422	Q9UQ84	604	SPPTLG T LRSCFS
9423	Q9UQ84	628	PSPSP S TALQQFR
9424	Q9UQ84	719	DSQSD Q TSKLRLS
9425	Q9UQ84	752	SADSL S TTKIKPL
9426	Q9UQ84	824	RDNIQ L TPEAEED
9427	Q9UQC2	101	FYLVA E TEEDMNK
9428	Q9UQC2	125	NQAE S TD S LRNV
9429	Q9UQC2	183	SNHM Q PTLST S AP
9430	Q9UQC2	225	FLMRSD T AVQKLA
9431	Q9UQC2	301	FKTPSN T LCREFG
9432	Q9UQC2	363	KPSQA E TPRWGSP
9433	Q9UQC2	446	VGRSD S T N SEDNY
9434	Q9UQC2	495	LGYP S TTL P VHRG
9435	Q9UQC2	526	DRKAK P TPLDLRN
9436	Q9UQC2	632	PHRK P STSSVTSD
9437	Q9UQC2	657	TQALQ N TMQEWTD

9438	Q9UQC2	662	NTMQEWTDVRQSS
9439	Q9UQE7	369	ARLAQATQERTDL
9440	Q9UQE7	876	NKRVKDTMARSED
9441	Q9UQE7	1094	PSVDQFTGVGIRV
9442	Q9UQE7	1103	GIRVSFTGKQGEM
9443	Q9UQF2	36	PPNFRLTHDISLE
9444	Q9UQF2	65	SLQCKDTLSLRPP
9445	Q9UQF2	155	GPGSGDTYRPKRP
9446	Q9UQF2	226	QSGPAPTDDRGT
9447	Q9UQF2	241	SPCRRSTATQMAP
9448	Q9UQF2	284	TEEIYLTTPVQRPP
9449	Q9UQF2	296	PDAAEPTSAFLPP
9450	Q9UQF2	303	SAFLPPTESRMSV
9451	Q9UQF2	371	ASLSSDTSALSVD
9452	Q9UQF2	492	GEEQEQTTHRAIFR
9453	Q9UQF2	595	AMQKIATTRRLTV
9454	Q9UQF2	661	KYFGFITKHPADH
9455	Q9UQL6	31	LHSIPVTVEVKPV
9456	Q9UQL6	328	PNSSHSTIAENGF
9457	Q9UQL6	365	NQFSLYTSPSLPN
9458	Q9UQL6	379	SLGLQATVTVTNS
9459	Q9UQL6	381	GLQATVTVTNSHL
9460	Q9UQL6	420	TGKFMTSSIPGC
9461	Q9UQL6	459	QARQQSTLIAVPL
9462	Q9UQL6	650	APLSLATVPHQAL
9463	Q9UQL6	682	PVKHLFTTGVVYD
9464	Q9UQL6	790	IGVDSDTVWNEMH
9465	Q9UQL6	979	LGGYSVTARCFGH
9466	Q9UQL6	1080	EAQAGETEEAETV
9467	Q9Y230	154	DRPATGTGSKVGK
9468	Q9Y230	176	TIYDLGTKMIESL
9469	Q9Y230	222	DAMGSQTKFVQCP
9470	Q9Y230	333	ATNRGITRIRGTS
9471	Q9Y232	25	WQYEGPTQKLFLK
9472	Q9Y232	177	QKFRKNTAPSLSS
9473	Q9Y232	381	VQSALSTAAADDS
9474	Q9Y232	473	EKAWFQTPYTTFG
9475	Q9Y233	15	QHLTGLTDEKVKA
9476	Q9Y233	42	ESVSAETVEKWVK
9477	Q9Y233	161	VAKSRKTLLEDI
9478	Q9Y233	183	TGLESGETRIQSVL
9479	Q9Y233	195	LCLPIVTAIGDLI
9480	Q9Y233	224	SHQEVATANLAWA
9481	Q9Y233	337	AGQVARTGEVLNI
9482	Q9Y233	363	DLYTGYTTRNILC
9483	Q9Y233	442	SYHSICTSEEWQG
9484	Q9Y233	578	LAALYSTSTMEQH
9485	Q9Y233	623	RKAI IATDLALYF
9486	Q9Y233	763	RGEETATWISSPS
9487	Q9Y237	86	GDLGWMTRGSMVG
9488	Q9Y237	112	MDKPVFDDPPVKT
9489	Q9Y237	118	TDPPVKTKFGYHI
9490	Q9Y241	54	LKSRGNTKMSIHL
9491	Q9Y241	76	FVVGAMTVGMGYS
9492	Q9Y259	32	SKCPDTPPKRRRA
9493	Q9Y259	232	RKLLESTPSPVVF
9494	Q9Y259	305	RPTDYPTQEQQQLH
9495	Q9Y259	365	LQASMSTIEFGYL

9496	Q9Y262	44	RQYEQQ TY QVIPE
9497	Q9Y262	110	ERFFKN TP WPPEAE
9498	Q9Y262	468	SFLKLY TT MPVAK
9499	Q9Y262	482	AGFLDL TE QEFRI
9500	Q9Y266	56	MAEKL IT QTFSHH
9501	Q9Y266	175	LPNYRW TQ TLSEL
9502	Q9Y266	283	SDLDSE TR SMVEK
9503	Q9Y266	303	KSMGLP TS DEQKK
9504	Q9Y272	46	IVSRFL TG RFEDA
9505	Q9Y272	54	RFEDAY TP TIEDF
9506	Q9Y272	56	EDAYTP TI EDFHR
9507	Q9Y272	95	RRLSIL TG DVFIL
9508	Q9Y283	102	FMKLLL TR RANWM
9509	Q9Y283	144	APGEVD TQ DKNKQ
9510	Q9Y283	235	VADGNV TV VDVLT
9511	Q9Y283	408	HKDVIQ TL IKGGA
9512	Q9Y285	190	SISKQ ETE LSPEM
9513	Q9Y285	326	RKNLLR TH TTTAS
9514	Q9Y285	329	LLRTH TT SASARA
9515	Q9Y285	401	FTKLGI TQ LRFKP
9516	Q9Y294	98	VTVVL IT CTYRGQ
9517	Q9Y294	118	YVNNEY TE TELRE
9518	Q9Y294	157	INWEDN TE KLEDA
9519	Q9Y294	176	LQSLL ST DALPSA
9520	Q9Y295	18	EAEMAR TQ KNKAT
9521	Q9Y295	24	TQKNKA TA HHLGL
9522	Q9Y295	44	LRREL IT PKGGGG
9523	Q9Y295	62	GFDVAK TG DARIG
9524	Q9Y295	98	AAYEFT TL TTVPG
9525	Q9Y295	141	VIAVAR TC NLILI
9526	Q9Y295	192	KGGINL TAT CPQS
9527	Q9Y295	194	GINLT AT CPQSEL
9528	Q9Y295	204	SELDAE TV KSILA
9529	Q9Y295	220	IHNADV TL RS DAT
9530	Q9Y295	296	KLVR IYTK PKGQL
9531	Q9Y295	306	GQLPDY TS PVVLP
9532	Q9Y2I7	133	QLRSL STV LKRLK
9533	Q9Y2I7	1069	REPFL LTE KGMRC
9534	Q9Y2I7	1179	SKDAS STSS GQSG
9535	Q9Y2I7	1351	FYGHQY TR RANAE
9536	Q9Y2K2	76	LYQVM ETER MIYL
9537	Q9Y2K2	116	KFKQIV TA VYFCH
9538	Q9Y2K2	156	GFSNL FTP GQLLK
9539	Q9Y2K2	463	MQNLQ PTG QLEYK
9540	Q9Y2K2	478	SLLQP PTL QLLNG
9541	Q9Y2K2	612	GQIDERT LE KTQQ
9542	Q9Y2K2	795	RTNLMAT LS YGHR
9543	Q9Y2K2	902	PTPPDY TR HQQVP
9544	Q9Y2K2	1020	SQASS PTP PHGYA
9545	Q9Y2K2	1060	KSSSTL TK GCHDS
9546	Q9Y2K2	1072	SPLLL STG GPGDP
9547	Q9Y2K2	1240	SSCYP STC ITDIL
9548	Q9Y2N7	12	QRAR STTE LRKEK
9549	Q9Y2N7	252	SLDMKF TY CDDRI
9550	Q9Y2N7	430	GASVA ATP STPLA
9551	Q9Y2N7	628	SLQDP STP LLNLN
9552	Q9Y2R2	332	PNLPK STT KAAKM
9553	Q9Y2R2	445	NSKVPI TR TKSTP

9554	Q9Y2R2	460	LIQQRE T KEVDSK
9555	Q9Y2R2	723	SIETYST S YPDTM
9556	Q9Y2S0	25	AEGERK T ALEMVQ
9557	Q9Y2S0	41	TDRHCV T FVLHEE
9558	Q9Y2S0	72	EFCGYT T THPSES
9559	Q9Y2S0	86	INLRIQ T RGTLP
9560	Q9Y2V2	45	VPSPLP T RRTRTF
9561	Q9Y2V2	108	VEGDEV T YKMCSI
9562	Q9Y2V2	129	AVEVVI T H LAPGT
9563	Q9Y2V2	139	PGTKHE T WSGHVI
9564	Q9Y2W1	210	QTFSGG T SQDTKA
9565	Q9Y2W1	297	AGYQSG T HQGF
9566	Q9Y2W1	487	KEKQRK T EEEEEE
9567	Q9Y2W1	799	EEYTEE T EEREES
9568	Q9Y2W7	113	GLVDED T FKLIYA
9569	Q9Y2W7	162	SILLRG T VHEK
9570	Q9Y2W7	183	NKDG T YI T KEEMLA
9571	Q9Y2W7	231	NQDGVV T IEEFLE
9572	Q9Y2Z0	101	YAAALE T FTEGQK
9573	Q9Y2Z0	141	SQSAGI T GADANF
9574	Q9Y2Z0	234	IIPEQ T SFKVLST
9575	Q9Y2Z0	338	FMESGG T VLSTNW
9576	Q9Y365	109	FDIARL T VNADVG
9577	Q9Y365	132	KNRDVI T LRSWLP
9578	Q9Y365	169	RAVSIQ T GYLIQS
9579	Q9Y365	184	PKSCVI T YLAQVD
9580	Q9Y371	17	LAADAG T FLSR
9581	Q9Y371	63	EKIMKQ T EVLLQP
9582	Q9Y371	112	TEFGPG T AYGNAL
9583	Q9Y371	124	LIKCGE T QKRIGT
9584	Q9Y371	138	DRELIQ T SALNFL
9585	Q9Y371	177	DLDAAK T RLKKAK
9586	Q9Y371	187	KAKAAE T RNSSEQ
9587	Q9Y371	219	LEGIS T HAHHLR
9588	Q9Y371	266	LSNNNQ T SVTPVP
9589	Q9Y371	269	NNQTSV T PVPSVL
9590	Q9Y371	322	YDAANS T ELSLLA
9591	Q9Y371	333	LADEV T VFVSVVG
9592	Q9Y383	23	TSRDGD T TRQRIK
9593	Q9Y383	52	HDVLSG T RMDLGE
9594	Q9Y383	101	ADCDRR T EVAKKR
9595	Q9Y383	111	KKRLAE T QEEISA
9596	Q9Y3A5	13	TNQIRL T NVAVVR
9597	Q9Y3A5	53	LDEV L Q T HSVFN
9598	Q9Y3A5	89	ICKQIL T KGEVQV
9599	Q9Y3A5	146	IHYSVK T NKSTKQ
9600	Q9Y3C5	9	NCLKSP T SDDISL
9601	Q9Y3C5	30	ASFGE T EPDQEP
9602	Q9Y3C5	52	VPVYHP T PSQTRL
9603	Q9Y3C5	56	HPTPSQ T RLATQL
9604	Q9Y3C5	60	SQTRLA T QLTEEE
9605	Q9Y3C5	63	RLATQL T EEEQIR
9606	Q9Y3D6	34	GSVSK T QFEYAW
9607	Q9Y3D6	100	VRGL L Q T EPQNNQ
9608	Q9Y3P8	17	VCLW T LT S AAMSR
9609	Q9Y3P8	28	SRGDN C T DLLALG
9610	Q9Y3P8	39	LGIP S IT T QAWGLW
9611	Q9Y3P8	128	EEVM C Y T SLQLRP

9612	Q9Y3S1	332	CDNIFI T GPTGSV
9613	Q9Y3S1	615	SLASDS T FD SGQ
9614	Q9Y3S1	1144	YGGSDV T SGKELS
9615	Q9Y3S1	1469	LTSELE T SQPLAE
9616	Q9Y3Z3	25	PRTPSN T PSAEAD
9617	Q9Y3Z3	44	LHPDYK T WGPEQV
9618	Q9Y3Z3	74	IRENEI T GALLPC
9619	Q9Y3Z3	387	IIDTMI T DAFLKA
9620	Q9Y4E8	105	KLVSWY T LMEGQE
9621	Q9Y4E8	197	LNKPD S TIQDAGL
9622	Q9Y4E8	445	HGLFK S TLVCPEC
9623	Q9Y4E8	658	SPSEME T DEPDDE
9624	Q9Y4P1	70	TGPTSD T GWGCML
9625	Q9Y4P1	147	QWYGP N TVAQVLK
9626	Q9Y4P1	160	KLAVFD T WSSLAV
9627	Q9Y4P1	325	VGFFCK T EDDFND
9628	Q9Y4R8	269	AMEAVL T GLVEAA
9629	Q9Y4R8	584	RALVAV T VTDPAP
9630	Q9Y4R8	596	PVADYL T SQFYAL
9631	Q9Y4R8	713	FDRPLV T FDLLGE
9632	Q9Y4X4	33	PAVRVK T ELLESE
9633	Q9Y4X4	115	SPSST S TSSSSSS
9634	Q9Y4X4	144	SSSTVL T PGPLVA
9635	Q9Y4X4	209	PGNVN N TIVVPLL
9636	Q9Y4Z0	9	PLSLLK T AQNHPM
9637	Q9Y4Z0	46	LREVIC T SRDGDK
9638	Q9Y4Z0	65	CYIRGS T IKYLRI
9639	Q9Y4Z0	123	RGGIPG T GRGQPE
9640	Q9Y572	174	GGSQSG T SGGEPG
9641	Q9Y572	384	QVPQAW T AGTSSD
9642	Q9Y572	403	QTPET S TFRNQMP
9643	Q9Y572	471	YLTMQ Q TTALPTW
9644	Q9Y5A9	184	KAPGMN T IDQGMA
9645	Q9Y5A9	197	ALKLG S TEVASNV
9646	Q9Y5A9	217	VGSGSI T SNIVAS
9647	Q9Y5A9	300	QNIGQP T QGSPPQ
9648	Q9Y5B9	494	EAKRRL T EQKGEQ
9649	Q9Y5B9	690	VNGFR F TSVRGDK
9650	Q9Y5B9	869	DYSKKV T MINAIP
9651	Q9Y5B9	903	VQSLNW T KIMKTI
9652	Q9Y5P4	209	DEDDF P TTSDGD
9653	Q9Y5P4	210	EDDFP T TRSDGDF
9654	Q9Y5P4	473	VRNDWE T TIENFH
9655	Q9Y5P4	494	AIIIIY Q THKRVWP
9656	Q9Y5Q6	36	GLEYIR T VIYICA
9657	Q9Y5Q6	61	QAQQA E TGNSFQL
9658	Q9Y5Q6	100	WGGQMP T EELWKS
9659	Q9Y5Q6	119	SRQDL Q TLCTDG
9660	Q9Y5Y2	30	GGVGK S TISTELA
9661	Q9Y5Y2	133	DYLVVD T PPGTSD
9662	Q9Y5Y2	160	LGALVV T TPQAVS
9663	Q9Y5Y2	203	PHCTEC T SVFSRG
9664	Q9Y608	170	PTSAYY T RQSSSL
9665	Q9Y608	305	QYAENY T RPSSRN
9666	Q9Y608	470	QKIDTM T KEVFDL
9667	Q9Y608	646	AEQDIT T LEQSI
9668	Q9Y657	8	KTPFGK T PGQRSR
9669	Q9Y657	31	NMMKKR T SHKKHR

9670	Q9Y657	164	RAPVMN T WFIITY
9671	Q9Y657	229	EDGSKR T GMVIHQ
9672	Q9Y696	55	GVVFSV T TVDLKR
9673	Q9Y696	86	FNSEVK T DVNKIE
9674	Q9Y696	116	KHPESN T AGMDIF
9675	Q9Y696	215	DIPKEM T GIWRYL
9676	Q9Y6E0	37	DPEELF T KLEKIG
9677	Q9Y6E0	58	KGIDNR T QKVVAI
9678	Q9Y6E0	131	PGPLDE T QIATIL
9679	Q9Y6E0	135	DETQIA T ILREIL
9680	Q9Y6E0	182	GVAGQL T DTQIKR
9681	Q9Y6E0	184	AGQLTD T QIKRNT
9682	Q9Y6E0	194	RNTFVG T PFWMAP
9683	Q9Y6E0	220	IWSLGI T AIELAR
9684	Q9Y6E0	297	KKTSYL T ELIDRY
9685	Q9Y6E0	340	SGDWIF T IREKDP
9686	Q9Y6E0	378	FSQCL S T IISPLF
9687	Q9Y6E0	421	CPGISD T MVAQLV
9688	Q9Y6F6	80	SCSPT P T IIVLTGD
9689	Q9Y6F6	167	VSERFL T RRGRKS
9690	Q9Y6F6	283	KGLAPV T NSSGKM
9691	Q9Y6F6	606	KRMSK A T EVMMQY
9692	Q9Y6G9	22	GLSSTY T GGPLGN
9693	Q9Y6G9	144	AVSLKD T LVMLVV
9694	Q9Y6G9	231	LPLGAD T LTHNLG
9695	Q9Y6G9	245	PVLVVC T KCDAIS
9696	Q9Y6G9	285	GAALIY T SVKENK
9697	Q9Y6G9	342	LHENFQ T LKAEDN
9698	Q9Y6G9	354	NFEDII T KPPVRK
9699	Q9Y6G9	389	LAKQP P T AAGRPV
9700	Q9Y6G9	439	NMKAG A T SEGVLA
9701	Q9Y6G9	456	SLLSKK T GSPGGP
9702	Q9Y6G9	503	AELDRI T RKPVTV
9703	Q9Y6G9	508	ITRKP V T VSPTTP
9704	Q9Y6I3	347	AAGEGP T PDPWGS
9705	Q9Y6I3	517	ATGPSV T NPFQPA
9706	Q9Y6I3	527	QPAPP A T LTLNQL
9707	Q9Y6I3	529	APPAT L T LNQLRL
9708	Q9Y6K5	222	QGLWKE T LPPVYA
9709	Q9Y6K5	466	GSFGRG T DLRDGC
9710	Q9Y6K5	876	VLSFSL T SQTMLD
9711	Q9Y6K5	1003	TVLELV T QYRQLC
9712	Q9Y6K9	50	EQGAP E T LQRCLE
9713	Q9Y6K9	147	SVKAQV T SLLGEL
9714	Q9Y6K9	164	SRLEA A T KECQAL
9715	Q9Y6K9	409	QAPDMD T LQIHVM
9716	Q9Y6M9	11	ASGPYL T HQQKVL
9717	Q9Y6M9	89	PDSPGG T SYERYD
9718	Q9Y6M9	144	KQLQE E T PPGGPL
9719	Q9Y6M9	151	PPGGPL T EALPPA
9720	Q9Y6N7	446	KAYLEV T DVIADR
9721	Q9Y6N7	730	LVFEVR T PAKNSV
9722	Q9Y6N7	1028	QLDNKQ T NLMLPE
9723	Q9Y6N7	1475	GHLRRE T YTDDL P
9724	Q9Y6Q9	103	KADVSS T GQGVID
9725	Q9Y6Q9	142	FVSENV T QYLQYK
9726	Q9Y6Q9	347	TIVTAQ T SKLFR
9727	Q9Y6Q9	910	GPNRNV T VTQTPS

9728	Q9Y6R1	128	EMEWKETARWIKF
9729	Q9Y6R1	207	KDKVTTYLLRKHR
9730	Q9Y6R1	346	IGRAIATLMSDEV
9731	Q9Y6R1	439	CEELQRTGRFCGG
9732	Q9Y6R1	480	LFIYLATVTNAIT
9733	Q9Y6R1	584	QYFTRFTEEGFSS
9734	Q9Y6R1	643	ISISNDTTLAPEY
9735	Q9Y6R1	652	APEYLPMSSTDMD
9736	Q9Y6R1	663	DMYHNTTFDWAFL
9737	Q9Y6R1	721	TSPYFPTTARKLI
9738	Q9Y6R1	802	FMDQQITAVIVNR
9739	Q9Y6R1	845	PWYVAATVISIAH