

Supporting Information S1. The benchmark dataset $\mathbb{S}_{\xi=6}(\mathbb{S})$ used to train and test the model for predicting the possibility of phosphorylation at Ser site. It contains 47,849 samples, of which 4,317 are positive samples and 43,532 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 4,317 peptide samples in the positive subset $\mathbb{S}_{\xi=6}^+(\mathbb{S})$

Sample #	Protein ID	Site	Sequences
1	P11171	14	VTEAENSQHQQKE
2	P11171	84	GLSRLFSSFLKRP
3	P11171	85	LSRLFSSFLKRPK
4	P11171	149	PSLDLHSLSSAET
5	P11171	151	LDLHSLSAETQP
6	P11171	152	DLHSLSAETQPA
7	P11171	188	IEVKEESPQSKEAE
8	P11171	191	KEESPQSKAETEL
9	P11171	540	TASKRASRSLDGA
10	P11171	542	SKRASRSLDGAAA
11	P11171	555	VDSADRSRPTSA
12	P11171	709	EWDKRLSTHSPFR
13	P11171	712	KRLSTHSPFRTLN
14	Q13542	65	LLDRRNSPMAQTP
15	Q13542	83	NIPGVTSPGTLIE
16	P28223	280	TRAKLASFSFLPQ
17	P01009	38	AQKTDTSHHQDH
18	P01009	383	LEAIIPMSIPPEVK
19	P05067	198	ESDNVDSADAED
20	P05067	206	DAEEDDSDVWWGG
21	P05067	441	FQEKVESLEQEA
22	P05067	730	KKKQYTSIHGVV
23	O95477	1042	GMQRKLSVALAFV
24	O95477	1296	AADPNDSIDPES
25	O95477	2054	GNKRKLSSTAMALI
26	Q8NE71	22	GDGESTSPSDKVV
27	Q8NE71	24	GESTSPSDKVVKK
28	Q8NE71	105	ERLKKLSVPTSDE
29	Q8NE71	109	KLSVPTSDEEDEV
30	Q8NE71	140	ALIQDQSSEEEEEE
31	Q8NE71	166	RINKAVSSEEQQPA
32	Q8NE71	228	KKAEQGSEEEGEG
33	Q8NE71	595	KNQDEESQEAPL
34	Q13085	5	MMMDDEPSPLAQPL
35	Q13085	23	SRFIIIGSVSEDNS
36	Q13085	25	FIIGSVSEDNSED
37	Q13085	29	SVSEDNSSEDEISN
38	Q13085	48	LEEKEGSLSPASV
39	Q13085	53	GSLSPASVGSDL
40	Q13085	78	ALHIRSSMSGHL
41	Q13085	80	HIRSSMSGLHLVK
42	Q13085	488	VSPWGDSPIDFED
43	Q13085	1201	PTLNRMSSNLN
44	Q13085	1216	GMTHVA SVSDVLL

45	Q13085	1263	SDSPPQSPTFPEA
46	Q13085	1273	PEAGHTS S LYDEDK
47	O00763	35	SKPITKS S KSEANL
48	O00763	91	AGR R NSLPPSHQ
49	O00763	95	RNSLPPS H QKPPR
50	O00763	200	ASLGALS S LEAYLT
51	O00763	222	TMRPSMS G LHLVK
52	O00763	469	GIRKAE S AEDFPI
53	Q15027	554	IRPRPGS L RSKPE
54	P12821	1299	HGPQFGS E VELRH
55	Q9UKV3	166	AELEEAS A ESEDE
56	Q9UKV3	169	EEASAES E DEMIH
57	Q9UKV3	208	SPRKSSS I SEEKGDS
58	Q9UKV3	210	RKSSSI S SEEKGDS
59	Q9UKV3	216	SEEKGDS S DDEKPR
60	Q9UKV3	240	ARAALKS E GSQPA
61	Q9UKV3	243	AKLSEGS Q PAEEE
62	Q9UKV3	295	DDEGQKS R EAPIL
63	Q9UKV3	328	ERPKTRS Q EQEVL
64	Q9UKV3	365	KEMKTT S PLEEEE
65	Q9UKV3	384	QGLKEKS K SPSPPP
66	Q9UKV3	386	LKEKS K SPSPRL
67	Q9UKV3	388	EKS K SPSPRLTE
68	Q9UKV3	400	EDRKKA S LVALPE
69	Q9UKV3	410	LPEQTA S EEETPP
70	Q9UKV3	434	PHPQLHS E EEIEP
71	Q9UKV3	453	AVLIQLS S PPNTDA
72	Q9UKV3	478	QLVGGLS P LSSPS
73	Q9UKV3	490	SDTKAES P AEKVP
74	Q9UKV3	561	KEGRRA S HTLLPS
75	Q9UKV3	655	SSNSRK S LSPGV S
76	Q9UKV3	657	NSRKSL S PGVSRD
77	Q9UKV3	710	VQARRLS Q PESAE
78	Q9UKV3	714	RLSQPES A EKHVT
79	Q9UKV3	729	LQPERGS P KKCEA
80	Q9UKV3	825	SFKRKIS V V S ATK
81	Q9UKV3	838	GVPAGNS D TEGGQ
82	Q9UKV3	895	DLHADD S R I SEDE
83	Q9UKV3	898	ADDSRI S EDETER
84	Q9UKV3	987	SISQQKS G V S ITI
85	Q9UKV3	990	QOKSGVS I TIDDP
86	Q9UKV3	1004	RTAQVPS P PRGKI
87	Q9UKV3	1180	PRSR S RS R DRRRK
88	P78536	791	SSTA A KS F E L T D
89	P78536	819	RQNRVDS K E T EC C
90	O75689	87	ARARFE S KVPSFY
91	P35611	12	RAAVVTS P PPTTA
92	P35611	59	EQKKRVS M ILQSP
93	P35611	64	VSMILQS P AFCEE
94	P35611	334	QVRTLAS A GGPDN
95	P35611	358	KSRSPGS P V G EGT
96	P35611	408	EKS K KY S D V E V PA
97	P35611	431	GDSGTCS P L R HSF
98	P35611	436	CSPLRHS F QKQQR
99	P35611	465	EGQNGSS P KS K TK
100	P35611	481	EDGHRT S TS A V P N
101	P35611	586	ERKQKG S SEENLDE
102	P35611	678	EAPTEAS P E P APD

103	P35611	707	AAADPGSDGSPGK
104	P35611	710	DPGSDGS PGKSPS
105	P35611	714	DGSPGK S PSKKKK
106	P35611	716	SPGKSP S KKKKF
107	P35611	726	KKFRTP S FLKKSK
108	P35612	60	VTMILQ S PSFREE
109	P35612	396	EKTKHKS EVEIPA
110	P35612	530	IAEKSRS PSTESQ
111	P35612	532	EKSRS SP TESQLM
112	P35612	535	RSPSTE S QLMSKG
113	P35612	592	APEEPGS PAKSAP
114	P35612	596	PGSPA K SAPASPV
115	P35612	600	AKSAPA S PVQSPA
116	P35612	604	PASPVQ S PAKEAE
117	P35612	613	KEAETKS S PLVSPS
118	P35612	617	TKSPLVS S PSKSLE
119	P35612	693	VTSGPMS S PEGSPS
120	P35612	697	PMSPEG S PSKSPS
121	P35612	701	EGSPSK S PSKKKK
122	P35612	703	SPSKSP S KKKKF
123	P07550	246	FHVQNL S QVEQDG
124	P07550	261	GHGLRR S SKFCLK
125	P07550	262	HGLRR S SKFCLKE
126	P07550	345	LLCLRR S SLKAYG
127	P07550	346	LCLRR S SLKAYGN
128	P07550	355	AYGNGY S SNGNTG
129	P07550	356	YGNGY S SNGNTGE
130	Q9GZX7	38	VVKRRD S SATSFSL
131	P31751	34	LLKSDGS S FIGYKE
132	P31751	126	MDYKCG S PSDSST
133	P31751	128	YKCGSP S DSSTTE
134	P31751	131	GSPSDSS T TEEME
135	P31751	447	DEFTAQS I ITTPP
136	P31751	474	THFPQF S YSASIR
137	P31751	478	QFSYSAS I REEEE
138	P02768	29	RRDAHK S SEVAHRF
139	P02768	82	TCVADES A ENCDK
140	P02768	89	AENCDKS L HTLFG
141	P02768	443	KKVPQVS T PTLV
142	P02768	513	NRRPCFS A LEVDE
143	P19021	929	LGNFFAS R KGYSR
144	P19021	942	KGFDRLS T EGSDQ
145	P19021	946	RLSTEGS D QEKE
146	Q9UJX6	218	YYRLLQ S PLCAGC
147	Q9UJX6	314	GPARPAS S PEAGNT
148	Q9UJX6	470	LETGQDS E DDSGE
149	Q9UJX6	534	LHQFSFS S PEREIR
150	P10275	81	QQQQETS S PRQQQQ
151	P10275	94	QQGEDGS S PQAHR
152	P10275	256	EALEHLS P GEQLR
153	P10275	650	EASSTTS P TEETT
154	Q9GZV1	99	ERVRKTS S LDLRRE
155	O60678	25	EDLPELS S DSGDEA
156	O60678	27	LPELSDS G DEAAW
157	Q9HCE9	801	FGQRVES S IGQWQK
158	P16066	519	EDVEPSS L ERHLR
159	P16066	529	HLRSAGS R LTL
160	P16066	534	GSRLTLS R GRGSNY

161	P16066	538	TLSGRGSNYGSLL
162	P16066	542	RGSNYGSLLTTEG
163	O75179	19	AAEGEGSPPAVAA
164	O75179	130	DEEEEVSEVESFI
165	O75179	134	EVSEVESFIELDQD
166	O75179	803	GYITNQSPESSIVE
167	O75179	1457	EANKNASILLEEL
168	O75179	1635	SNSSRKSDNHSPA
169	O75179	1696	CTKSGPSPLSSPN
170	O75179	1700	GPSPLSSPNGKLT
171	O75179	1709	GKLTVASPKRGQK
172	O75179	2042	EHYPVSSPSSPSP
173	O75179	2045	PVSSPSSPSPPAQ
174	O75179	2047	SSPSSPSPPAQPG
175	O75179	2059	GGVSRNSPLDCGS
176	O75179	2067	LDCGSASPNKVAS
177	O75179	2401	SGVRAPSAPSSV
178	O15084	1007	NRYTNTSKTVSFE
179	O15084	1011	NTSKTVSFEALPI
180	P01008	68	ATEDEGSSEQKIPE
181	P04083	5	MMMAMVSEFLKQA
182	P04083	27	YVQTVKS SKGGPG
183	P04083	34	SKGGPGSAVSPYP
184	P04083	37	GPGSAVS PYPTFN
185	P05549	239	EVQRRLSPPECLN
186	Q9H1A4	51	ASELWSSDGAAGL
187	Q9H1A4	60	AAGLVGS LQEVTI
188	Q9H1A4	202	HEVPPGS PREPLP
189	Q9H1A4	286	NVVLKFSEQGGTP
190	Q9H1A4	341	PSLHSRS PSISNM
191	Q9H1A4	355	ALSRAHS PALGVH
192	Q9H1A4	362	PALGVHS FSGVQR
193	Q9H1A4	373	QRFNISSH NQSPK
194	Q9H1A4	377	ISSHNQS PKRHSI
195	Q9H1A4	547	LSKLLGS LDEVVL
196	Q9H1A4	555	DEVVLLSPVPELR
197	Q9H1A4	686	NFDFEGSLSPVIA
198	Q9H1A4	688	DFEGSLS PVIAPK
199	Q9UJX5	757	EWELDES DEEEE
200	Q9UJX5	758	WELDESS DEEEEA
201	Q9UJX5	777	IKEEVLSE SESEAEN
202	Q9UJX5	779	EEVLSE S EAENQQ
203	Q9UJX4	195	KEELDVS VREEEV
204	Q8IW19	116	QCTLRNS QVLDED
205	Q06481	590	VDVRVSS SEESEE
206	P02652	54	LMEKVKS PELQAE
207	P02652	68	KSYFEKS KEQLTP
208	P04114	3279	VFPKAVS MPFSI
209	P04114	4048	ELRVRE S DEETQI
210	P02649	147	QAMLGQS STEELRV
211	O14791	311	RVTEPI S AESGEQ
212	O14791	314	EPISAE S GEQVER
213	P41181	256	EVRRRQS VELHSP
214	Q92974	143	SRRGRSS LSLAKS
215	Q92974	163	GHFNDES PLGLRR
216	Q92974	172	GLRRRILS QSTDSDL
217	Q92974	174	RRILSQS TDLSNM
218	Q92974	645	GLFRSES LESPRG

219	Q92974	648	RSESLES PRGERL
220	Q92974	691	LPLEPDS GGGNTSP
221	Q92974	696	DGGGNTS PGVTAN
222	Q92974	782	KLCRANS RDGEAG
223	Q92974	886	VDPRRRS L PAGDA
224	Q92974	896	GDALYLS FNPPQP
225	Q92974	932	ERQELGS PEERLQ
226	Q92974	940	EERLQDS SD PDTG
227	Q92974	941	ERLQDSS DPDTGS
228	Q92974	947	SD PDTG S EEEGSS
229	Q92974	953	SEE EGSS RLS PPH
230	Q92974	956	EGSSRLS PPH SPR
231	Q92974	960	RLS PPHS PRDFTR
232	Q14155	176	FQGQYRS LD MTDN
233	Q14155	249	A SEK PV S PKSGTL
234	Q14155	518	SAS PRMS GFI YQG
235	Q14155	694	K PER KPS DEEFAS
236	P49407	412	EED GTG S PQL NNR
237	Q9Y294	192	WST SENS LNV MLE
238	P78348	479	KEAKR SS A DKGVA
239	P15336	62	G PAR ND S VIVADQ
240	P15336	90	LFN EL AS PFENE F
241	P15336	112	KMPLD LS PLATPI
242	P15336	121	AT PI IIR S KIEEPS
243	P15336	328	TTETP AS PAH TTP
244	P15336	340	P QT QSTS GRR RRA
245	P15336	367	R NR A A AS RCR QKR
246	P15336	442	DSSEDI S VPSS PH
247	P15336	446	DIS VPSS P HTEAI
248	P15336	490	STEP AL S QIV MAP
249	P15336	498	I VMAP AS QS QPSG
250	O75143	355	TETV SNS SEGRAS
251	O75143	356	ETVS NS SEGRASP
252	O75143	361	SSEGRAS SPHD VLE
253	Q13315	367	TRS LEI S QSY TTT
254	Q13315	1893	ANLD SE S EH FFRC
255	Q13315	1981	LAFEE GS QSTTIS
256	Q13315	1983	FEE GS QSTT ISSL
257	Q13315	2996	ECKRN LS DID QSF
258	P54259	34	RSR GRAS S PGG VST
259	P54259	77	GRSEE I S ESE SEE
260	P54259	79	SEE I S ESE EETN
261	P54259	101	ELPRP Q S PSD LDS
262	P54259	103	PRP QSP S DLD SLD
263	P54259	107	S PSL DLS DLD GRSL
264	P54259	661	PGY KPG S PPS FRT
265	P54259	739	EYETPE S PVPPAR
266	P54259	746	PVPPA R S PS PPPK
267	P54259	748	PPAR SP S PPP KV
268	Q13535	428	SNS DGI S PKR RRL
269	P54253	238	GLIT PG S PPPA QQ
270	P54253	775	TRK RR W S APES RK
271	O14965	41	NPLPV NS GQA QRV
272	O14965	51	QRVLC P S NSS QRV
273	O14965	342	ETY KRI S RVE FTF
274	O15169	75	GYEPEG S ASPT PP
275	O15169	77	EPEGS A SPT PYL
276	O15169	217	TRTG SE S PKVC SD

277	O15169	469	HEENPESILDEHV
278	O15169	486	RTPGRQS PGPGHR
279	O15169	493	PGPGHRS PDSGHV
280	Q07817	49	SEMETPSAINGNP
281	Q07817	62	SWHLADS PAVNGA
282	O43521	69	PLAPPAS PGPFAT
283	Q13829	278	RSRSQAS PSEDEE
284	Q13829	280	RSQASP SEDEETF
285	Q9BYV9	521	TRTRTSS SCSSYS
286	O75531	4	MMMMTTSQKHRDF
287	Q92934	75	IIRSRHSS YPAGTE
288	Q92934	91	GMGEEPS PFRGRS
289	Q92934	99	FRGRSRSP APPNLW
290	Q92934	118	RELRRMS DEFVDS
291	Q92934	134	GLPRPKS AGTATQ
292	P50895	596	PGE PGLS HSGSEQ
293	P50895	598	EPGLSHS GSEQPE
294	P50895	600	GLSHSGS SEQPEQT
295	P50895	621	GGARGGS GGF GDE
296	P56945	134	YQVPGPS PQF QSP
297	P56945	139	PSPQF QSP PPAKQT
298	P56945	292	VYDVPPS VEKGLP
299	P56945	428	AEGKRLS SASSTGS
300	P56945	437	STGSTRS SQSASS
301	P56945	639	QSRPLPS PPKFTS
302	P10415	70	DPVARTS SPLQTPA
303	P10415	87	AAGPALSP VPPPVV
304	P20749	402	SASPSSSP SQSPP
305	P20749	406	SSSPSQSP PRDPP
306	Q9NYF8	102	VWNRRHS RSP RRG
307	Q9NYF8	104	NRRHSRS PRRGRS
308	Q9NYF8	177	GE PQEE S PLKS KS
309	Q9NYF8	181	EESPLKS KS QEEP
310	Q9NYF8	196	TFEHDPSES IDEFNK
311	Q9NYF8	198	EHDPS E S IDEFNK
312	Q9NYF8	222	LSAYDNS PRSPHS
313	Q9NYF8	259	SAKNTPS QHS HSI
314	Q9NYF8	264	PSQHSHS IQHSPE
315	Q9NYF8	268	SHSIQHS PERSGS
316	Q9NYF8	285	NGSSRYSP SQNSP
317	Q9NYF8	290	YSPSQNS PIHHIP
318	Q9NYF8	297	PIHHIPS RRSPAK
319	Q9NYF8	385	EALDYFS DKE SGK
320	Q9NYF8	389	YFSDKE SGK QKF N
321	Q9NYF8	397	KQKF ND S EGDDTE
322	Q9NYF8	472	YVVERP STTKDKH
323	Q9NYF8	496	VKKETQS PEQVKS
324	Q9NYF8	502	SPEQVKSE KL KDL
325	Q9NYF8	512	KDLFDYSPPLHKN
326	Q9NYF8	531	STFREE SP LRI KM
327	Q9NYF8	578	ASTLVHS VKKEQE
328	Q9NYF8	648	HSTRQKS SPEI HRR
329	Q9NYF8	658	HRRIDIS P STLRK
330	Q9NYF8	660	RIDI SP STLRK HT
331	Q9NYF8	690	KKLRCDS ADLRHD
332	Q9NYF8	760	SSASPSSP SSREE
333	P41182	333	GLVSPQSP QKSDC
334	P41182	343	SDCQPNS PTESCS

335	Q14457	90	PPARMMS S TESANS
336	Q14457	93	RMMSTE S ANSFTL
337	Q14457	96	STESANS S FTLIGE
338	P30411	366	PIQMENS S MGTLRT
339	P30411	373	MGTLR T SISVERQ
340	P30411	375	TLRTS I SVERQIH
341	O95972	273	RQADGI S AEV TAS
342	Q01954	537	ALPKKK S RKSSMP
343	Q01954	541	KKSRK S MPIKIE
344	P12644	91	DLYRLQ S GEEEEE
345	Q53HL2	110	IQTPLK S AKTRKV
346	Q53HL2	165	GKGKR S SRANTVT
347	Q53HL2	219	NISGNG S PLADSK
348	Q53HL2	224	GSPLADS E KEIFLT
349	Q53HL2	238	PVGGGE S LRLLAS
350	Q53HL2	244	SLRLLAS S DLQRHS
351	Q8N4F0	60	PHFLDWS S GEALQP
352	P15056	151	ARSNPK S PQKPIV
353	P15056	337	LTSPSP S KSIPIP
354	P15056	365	QRDRSS S APNVHI
355	P15056	399	GSTTGL S ATPPAS
356	P15056	405	SATPPA S LPGSLT
357	P15056	446	TLGRRD S SDDWEI
358	P15056	447	LGRRD S DDWEIP
359	P15056	729	KIHRSA S EPSLNR
360	P38398	114	AKKENNS S PEHLKD
361	P38398	308	AEFCNK S KQPGLA
362	P38398	395	SDELLG S DDSHDG
363	P38398	398	LLGSDD S HGESE
364	P38398	423	NEVDEY S GSSEKI
365	P38398	694	TSKRHD S DTFPEL
366	P38398	753	PKDLML S GERVILQ
367	P38398	840	GHEVNH S RETSIE
368	P38398	988	PLFPIK S FVKTKC
369	P38398	1143	MGSSH S QVCSET
370	P38398	1211	GAKKLE S SEENLS
371	P38398	1217	SSEENL S SEDEEL
372	P38398	1218	SEENL S SEDEELP
373	P38398	1280	VILAKA S QEHHLS
374	P38398	1328	KQMRHQ S ESQGVG
375	P38398	1336	SQGVGL S DKELVS
376	P38398	1342	SDKELV S DDEERG
377	P38398	1387	DCSGL S QSDILT
378	P38398	1423	VLEQHG S QPSNSY
379	P38398	1457	EKAVLT S QKSSEY
380	P38398	1524	QNRNYP S QEELIK
381	P51587	755	SDTDFQ S QKSLLY
382	P51587	3291	PICTFV S PAAQKA
383	O60885	470	PVVAV S PAVPPP
384	O60885	484	KVVAPP S SSDSSS
385	O60885	488	PPSSSD S SSDSSS
386	O60885	492	SDSSSD S SSDSDS
387	O60885	494	SSSDSS S SDSST
388	O60885	498	SSSDSD S STDSE
389	O60885	499	SSSDSD S TDDSEE
390	O60885	503	DSSTD S EEERAQ
391	O60885	601	PPPTY E SEEEDKC
392	O60885	1117	KEEKI H SPIIRSE

393	Q8TDC3	447	SSSPLSSPRSPVF
394	Q8TDC3	508	LPGPPGSPRSSGG
395	Q8TDC3	563	RNSFLGSPRFHRR
396	P78543	147	VLLGRSSPSKNYV
397	P78543	149	LGRSSPSKNYVMA
398	Q06187	21	QQKKKTSPLNFKK
399	Q06187	55	RGSKKGSIDVEKI
400	Q06187	115	GPLYVFSPTEELR
401	Q06187	180	SLKPGSSHRKTKK
402	Q06187	623	YRPHLASEKVYTI
403	Q06187	659	DVMDEESSSSSS
404	O60566	435	EAELLTSAEKRAE
405	O60566	543	SEKKNKSPPADPP
406	O60566	670	LSIKKLSPIIEDS
407	O60566	676	SPIIEDSREATHS
408	O60566	1043	KVGKLTSPGALLF
409	P00736	206	EASGYISLEYPR
410	Q86YS7	197	ARQRLISLMSGEL
411	Q86YS7	200	RLISLMSGELQRK
412	Q86YS7	293	LKNQTYSFSPSKS
413	Q86YS7	295	NQTYSFSPSKSYS
414	Q86YS7	643	SEEIIGSPIPEPR
415	Q86YS7	659	RLLRSQSSESSDEV
416	Q86YS7	671	VTELDLSHGKKDA
417	Q86YS7	852	MTVEKASPVGDGN
418	Q6P1N0	208	ASTPTYSPAPTQP
419	Q6P1N0	253	MPPGPCSPGPLAQ
420	Q6P1N0	324	LPPDPPSPSQPP
421	Q6P1N0	455	VPKKQNSPVAPTA
422	Q9Y5P4	132	SLRRHGSMVSLVS
423	Q9Y5P4	315	YEEGPNSLINEEE
424	Q9Y5P4	377	PYSRSSSMSSIDL
425	P21730	314	QGRLRKSLPSLLR
426	P21730	317	LRKSLPSLLRNVL
427	P21730	327	NVLTEESVVRESK
428	P21730	332	ESVVRESKSFTRS
429	P21730	334	VVRESKSFTRSTV
430	P21730	338	SKSFTRSTVDTMA
431	Q9NZU7	323	NGDGEISTSELRE
432	P19022	96	VRSFPLSSEHAKF
433	P19022	135	EESVKESAEVEEI
434	Q86X55	216	IYAVEASTMAQHA
435	P47710	31	ERLQNPSSESSEPI
436	P47710	33	LQNPSESEPIPL
437	P47710	41	EPIPLESREEYMN
438	P47710	71	KDTRNESSTQNCVV
439	P47710	86	PEKMESSISSSSE
440	P47710	88	KMESSISSSEEM
441	P47710	89	MESSISSSEEMS
442	P47710	90	ESSISSSEEMSL
443	P47710	91	SSISSSSEEMSLS
444	P05814	21	ARETIESLSSSEE
445	P05814	23	ETIESLSSSEESI
446	P05814	24	TIESLSSSEESIT
447	P05814	25	IESLSSSEESITE
448	Q14511	296	VARRHQSLSNPNHP
449	Q14511	369	DGINRLSFSSTGS
450	P55212	257	LVNRKVSQLRRVDF

451	Q14790	188	SKERSSSLEGS S
452	Q14790	211	VMTISDS S PREQDS
453	Q14790	387	LEMDLSSPQTRYI
454	O14958	385	DDDDDNS S DEEDND
455	O14958	393	EEDNDDSS D DDDDDE
456	P51636	23	DSYSHHS S GLEYAD
457	P51636	36	PEKFADS S DQDRDP
458	Q03135	37	AMADELS E KQVYD
459	Q13191	282	YSTKPGS S YIFRLS
460	Q13191	521	QKGIVRS S PCGSPT
461	Q13191	525	VRSPCGS S PTGSPK
462	Q13191	529	CGSPTG S PKSSPC
463	Q13191	634	RHSRVGS S DPVLMR
464	Q92793	121	LSAMGKS S PLSQGD
465	Q92793	1030	EDLQGAS S QVKEET
466	Q92793	1382	KSRFVDS S GEMSES
467	Q92793	1386	VDSGEMS S ESFPYR
468	Q92793	2063	QPPRSIS S PSALQD
469	Q92793	2076	LLRTLKS S PSSPQQ
470	Q92793	2079	TLKSPSS S PQQQQQ
471	Q96CT7	141	RVLEEGS S VEARTI
472	P14635	126	ILVDTAS S PSPMET
473	P14635	128	VDTASP S PMETSG
474	P14635	133	PSPMET S GCAPAE
475	P14635	147	DLCQAFS S DVILAV
476	P24864	103	IAPSRG S PLPVLS
477	P24864	387	SEQNRAS S PLPSGL
478	P24864	399	LLTPPQS S GKKQSS
479	P51946	5	MMMYHNS S SQKRHW
480	P51946	132	VGNLRES S PLGQEK
481	P51946	304	EDDDYVS S KKSKHE
482	P51946	322	DDDLVES S LLLLLL
483	Q8ND76	25	AHSRLES S YRPDTD
484	Q8ND76	33	RPDTDSL S REDTGC
485	Q8ND76	71	ASTIFLS S KSQTDV
486	Q8ND76	73	TIFLSKS S QTDVRE
487	Q8ND76	83	VREKRKS S LFINHH
488	Q8ND76	99	QIARKYS S SCSTIF
489	Q8ND76	100	IARKYSS S CSTIFL
490	Q8ND76	102	RKYSSCS S TIFLDD
491	Q8ND76	288	AEANNL S FPLEPL
492	Q8ND76	295	FPLEPLS S RERAHK
493	Q8ND76	324	RSARKRS S ASADNL
494	Q8ND76	326	ARKRSAS S ADNLTL
495	P21127	115	RRHRSHS S AEGGKH
496	P21127	482	EGFPITS S LREINT
497	P21127	589	LAREYGS S PLKAYT
498	P09693	145	QDGVRQS S RASDKQ
499	P09693	148	VRQSRAS S DKQTLL
500	P16070	672	VCIAVNS S RRRCGQ
501	P16070	686	KKLVINS S GNGAVE
502	P16070	697	VEDRKPS S GLNGEA
503	P16070	706	NGEASKS S QEMVHL
504	Q15078	8	GTVLSLS S PSYRKA
505	Q13042	112	KYLKDES S GFKDPS
506	Q13042	490	AIGYIHS S LMGNFE
507	Q13042	560	TLKNII S PPWDFR
508	Q13042	595	TPDSRPS S LEETFE

509	Q12834	41	AAGPAPS S PMRAAN
510	Q12834	72	KVQTTPS S KPGGDR
511	Q12834	92	AQMEVAS S FLLSKE
512	Q12834	153	RLKVLYS S QKATPG
513	Q12834	161	KATPGS S RKTCRY
514	P30260	291	LPLETPS S PGDGSY
515	P30260	339	FSQSGNS S REVTPI
516	P30260	386	RLFTSDS S STTKEN
517	P30260	426	QPNINDS S LEITKL
518	P30260	435	ITKLDSS I ISEGK
519	P30260	438	LDSSI I SEGKIST
520	P30260	821	QLHAAE S DEFFFF
521	Q99459	303	LPAPQI S DAELQE
522	Q99459	358	TPRTPAS S QDRILQ
523	Q99459	417	TPFRTPS S NGAEGL
524	Q99459	437	PKPVINS T PGRTP
525	Q00536	12	KIKRQLS S MTLRGG
526	Q00536	42	SGGGGG S DPGEAP
527	Q00536	78	EDLKMGS S DGESDQ
528	Q00536	82	MGSdge S DQASAT
529	Q00536	95	SSDEVQS S PVRVRM
530	Q00536	119	DINKRLS S LPADIR
531	Q00536	138	EKLTLNS S PIFDKP
532	Q00536	153	RRLRRVS L SEIGF
533	Q00536	155	LRRVSL S SEIGFGK
534	P50613	7	MALDVKS R AKRYE
535	P50613	164	LAKSFGS S PNRAYT
536	P50613	321	ETLKEQS S NPALAI
537	P50750	175	GLARAFS S LAKNSQ
538	P50750	347	PPRRKGS S QITQQS
539	P50750	353	SQITQQS S TNQSRN
540	P50750	357	QQSTNQS S RNPATT
541	O14519	46	SDYGP S SLGYTQG
542	P38936	114	EDHVDSL S LSCTLV
543	P38936	130	GEQAEGS S PGPGD
544	P38936	146	RKRRQTS S MTDFYH
545	P38936	160	KRRLIFS S KRKPPP
546	P46527	10	VRVSNGS S PSLERM
547	P42771	7	MEPAAGS S SMEPSA
548	P42771	8	EPAAGGS S MEPSAD
549	P42771	140	AGGTRGS S NHARID
550	P42771	152	DAAEGPS S DIPDDD
551	Q9UPV0	186	GELMLPS S QGLKTS
552	P49715	190	PPPPPPS S HPHPHP
553	P49715	234	PPTPVPS S PHPAPA
554	P49450	7	MGPRRRS S RKPEAP
555	P49450	17	EAPRRRS S PSPTPT
556	P49450	19	PRRRSPS S PTPTPG
557	P49450	27	TPTPGPS S RRGPSL
558	Q9HC77	589	QAADEIS S FSSNSS
559	Q9HC77	595	SFSSNSS S FVLKIL
560	Q9HC77	759	DVDLDLS S DKDYSS
561	Q96BT3	47	ALLETA S PRKLSG
562	Q96BT3	373	VTEAEGS S QGTAEA
563	Q96BT3	385	ADGPGAS S SGDEDAS
564	Q96BT3	386	DGPGASS S GDEDAS
565	Q96BT3	397	ASGRAAS S PESASS
566	Q53EZ4	425	REKVAAS S PKSPTA

567	Q53EZ4	428	VAASPKSPTAALN
568	Q53EZ4	436	TAALNESLVECPK
569	Q8TCT0	340	AQHTVGSPRDRKP
570	Q8TCT0	408	RSPRGLSPAAHLG
571	P00450	722	NQCRRQSEDSTFY
572	P13569	549	EGGITLSGGQRAR
573	P13569	660	SAERRNSILTEL
574	P13569	686	TETKKQSFQKTGE
575	P13569	700	GEKRKNSELNPIN
576	P13569	712	NSIRKFSIVQKTP
577	P13569	737	PLERRSLVPDSE
578	P13569	753	AILPRI SVISTGP
579	P13569	768	QARRRQSVNLMLT
580	P13569	790	HRKTTASTRKVSL
581	P13569	795	ASTRKVS SLAPQAN
582	P13569	813	IYSRRRLSQETGLE
583	P13569	1444	RQAISPSDRVKL
584	P13569	1456	FPHRNSSKCKSKP
585	Q9UNE7	19	LGAGGGSPPEKSPS
586	Q9UNE7	23	GGSPEKSPSAQELKE
587	Q9UNE7	25	SPEKSPSAQELKE
588	Q9UNE7	273	FDPVTRSPLTQE
589	O14757	280	KRPRVTS GGVSES
590	O14757	286	SGGVSESPSGFSK
591	O14757	296	FSKHIQS NLDFSP
592	O14757	301	QSNLDFSPVNSAS
593	O14757	317	NVKYSSSQPEPRT
594	O14757	345	VQGISFS QPTCPD
595	O96017	62	SSGTLS LETVST
596	O96017	73	STQELYSI PEDQE
597	O96017	379	KILGETSLMRTLC
598	O96017	456	EVWAEVSEKALDL
599	P06276	226	VTLFGE SAGAASV
600	Q96CF2	210	SSTARSSRAASSQ
601	Q9Y2V2	30	PRSRERS PSPLRG
602	Q9Y2V2	32	SRERSPS PLRGNV
603	Q9Y2V2	41	RGNVVPS PLPTRR
604	Q9Y2V2	52	RRTRTFSATVRAS
605	Q9Y2V2	146	WSGHVISSSSSS
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607	Q99828	78	RICRVFST SPAKD
608	Q9BUA3	148	VRAEQPSPPNSDS
609	Q9BUA3	248	PDPEPPSPDSPT
610	Q9BUA3	308	GLPRAES PSPAPP
611	Q9BUA3	310	PRAESPSPAPPG
612	Q07065	3	MMMMMPSAKQRGS
613	Q07065	17	GGHGAAS PSEKGA
614	Q07065	19	HGAASPSEKGHP
615	Q07065	232	RERDFTSLENTVE
616	Q07065	312	DMEALRS TLQTME
617	P49760	34	KRRRSRS WSSSD
618	P49760	98	DTDYRHSE YEQRE
619	P49760	142	SSRRAKS VEDDAE
620	P10645	142	SKEAEKS GEATDG
621	P10645	203	PQAEGDSEGLSQG
622	P10645	218	DREKGLS AEPGWQ
623	P10645	270	EIRKGES RSEALA
624	P10645	300	KGEQEHQQKEEE

625	P10645	322	LFRGGKSGELEQE
626	P10645	333	QEEERLSKEWEDS
627	P10645	398	RGWRPSSREDSLE
628	P10645	402	PSSREDSLEAGLP
629	P34972	335	KEEAPRSSVTETE
630	P34972	336	EEAPRSSVTETEA
631	P34972	352	ITPWPDSDRDLDLS
632	P01024	38	NILRLESEETMVL
633	P01024	70	GKKLVLSSEKTVL
634	P01024	297	IPIEDGSGEVVL
635	P01024	303	SGEVVLSRKVLLD
636	P01024	672	AARRRSVQLTEK
637	P01024	968	IPPADLSDQVPDT
638	P01024	1321	SASLLRSSEETKEN
639	P01024	1573	QTIKSGSDEVQVG
640	P0C0L4	918	KVVARGSFEPVPG
641	P23528	3	MMMMMASGVAVSD
642	P23528	8	ASGVAVSDGVIKV
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644	Q9UMD9	544	IGLHSDSQEELWM
645	P38432	105	NGDINLSLRKAKK
646	P38432	184	EEAKRKSPKKKEK
647	P38432	271	TLEARNSSEKLPT
648	P38432	272	LEARNSSEKLPT
649	P38432	301	AIKLGFSLTPSKG
650	P38432	489	ELTSSYSPDVSDY
651	P38432	566	PRLIIESPSNTSS
652	Q99708	326	ELPTRVSSPVFGA
653	Q99708	327	LPTRVSSPVFGAT
654	Q99708	349	NTSLSPSLLQPGK
655	Q99708	664	DPGADLSQLYKMDV
656	Q99708	679	IDTKDGSQLKLGG
657	Q99708	723	ERKMNDSLEDMFD
658	Q99708	745	CLADSFSQADEE
659	Q9BR76	2	MMMMMSFRKVVR
660	Q9BV73	2229	EKERLHSPGATST
661	Q9BV73	2252	VQLGEVS GVEAEP
662	Q9BV73	2417	TRRLDES LTQSLT
663	Q9BV73	2421	DESLTQS LTSPGP
664	Q6JBY9	68	QNGEEKSPPNASH
665	Q6JBY9	83	KFKVKSSPLIEKL
666	Q6JBY9	105	ALLPGASPKSPGL
667	Q6JBY9	108	PGASPKS PGLKAM
668	Q6JBY9	116	GLKAMVSPFHSP
669	Q6JBY9	120	MVSPFHSPPSTPS
670	Q6JBY9	123	PFHSPPS TPSSPG
671	Q6JBY9	177	SRRFRRSQSDCGE
672	Q6JBY9	179	RFRRSQSDCGELG
673	Q6JBY9	216	KSKAPGSPLSSEG
674	Q6JBY9	244	PLRRSPSRTEKQE
675	Q6JBY9	267	GEKARRSSEEVDG
676	Q6JBY9	268	EKARRSSEEVDGQ
677	Q6JBY9	284	QEEVPESPQTSGP
678	Q6JBY9	298	AENRCGS PREEKP
679	P23508	828	PHTNETS LLLLLL
680	Q6WN34	182	DEASEQS DEEDSV
681	P16220	133	IISRRPS YRKILN
682	P16220	142	KILNDLSSDAPGV

683	P16220	271	GVVMASSPALPTQ
684	P34998	330	MTKLRASTTSETI
685	Q6UUU9	151	SWRRTNSDSALHQ
686	Q53ETO	70	SSHYGGSLPNVNQ
687	Q53ETO	86	GLAEFQSPLHSPL
688	Q53ETO	90	FQSPLHSPLDSSR
689	Q53ETO	136	YSPAYLSPPPES
690	Q53ETO	171	ALNRTSSDSALHT
691	Q53ETO	274	AMNTGGSLPDLTN
692	Q53ETO	306	SLSGGNSTSNLTH
693	Q53ETO	368	QLQGSHSHPSLPA
694	Q53ETO	393	LGHPSLSAPALSS
695	Q53ETO	433	HRRVPLSPLSLLA
696	Q53ETO	456	QLPKQFSPTMSPT
697	Q53ETO	489	LPPYPYSSPSLVLP
698	Q53ETO	490	PPYPYSSPSLVLP
699	Q53ETO	492	YPYSSPSLVLPTQ
700	Q53ETO	613	HCSRHGSGPNIIL
701	Q53ETO	624	ILTGDSSPGFSKE
702	P02511	19	PFFPFHSPSRLFD
703	P02511	45	PTSTSLSPFYLRP
704	P02511	59	SFLRAPSWFDTGL
705	Q9Y2W7	63	PQGSDSSDSELEL
706	P68400	362	SSVPTPSPLGPLA
707	P68400	370	LGPLAGSPVIAAA
708	P67870	2	MMMMMMSSEEVS
709	P67870	3	MMMMMMSSEEVSW
710	P67870	209	AASNFKS PVKTIR
711	O14936	151	HCVLLAS KENSAP
712	O14936	155	LASKENSAPVKLG
713	O14936	313	AVLAAVSSHKFNS
714	P41240	364	LREKKFSTKSDVW
715	Q13098	468	NQIHVKSPPREGS
716	Q13098	474	SPPREGSQGELTP
717	Q13098	483	ELTPANSQSRMST
718	Q9UNS2	410	VQKSMGSQEEDSG
719	Q9UNS2	423	NKPSSYS SSSSSS
720	Q99627	175	AGALDVS FNKFIP
721	P13611	2116	IESETTS EEQIQE
722	Q13363	300	SEPFSFS QGPLKD
723	Q13363	422	HPPHAPS PGQTVK
724	O60716	4	MMMMDDS EVESTA
725	O60716	47	LERVRVSPQDANP
726	O60716	125	GAMSVVS VETSDD
727	O60716	225	DGYPGGS DNYGSL
728	O60716	230	GSDNYGS LSRVTR
729	O60716	252	EGYRAPS RQDVYG
730	O60716	268	QVRVGGS SVDLHR
731	O60716	269	VRVGGSS VDLHRF
732	O60716	288	LEDDQRS MGYDDL
733	O60716	320	PRRRLRS YEDMIG
734	O60716	346	AQHERGS LASLDS
735	O60716	349	ERGSLAS LDSLRK
736	O60716	352	SLASLDS LRKGGP
737	O60716	617	TGPHAA SCFGAKK
738	O60716	811	LVLINKS GNRSEK
739	O60716	847	KEGWKKSDFQVNL
740	O60716	857	VNLNNAS RSQSSH

741	O60716	859	LNNASRSQSSHSY
742	O60716	864	RSQSSH S YDDSTL
743	O60716	868	SHSYDD S TLPLID
744	O60716	879	IDRNQK S DKKPDR
745	O60716	899	MGSNTK S LDNNYS
746	O60716	920	NRTLDR S GDLGDM
747	O60716	943	QDEGQESLEEELD
748	P35222	23	DRKAAV S HWQQQS
749	P35222	29	SHWQQQ S YLDSGI
750	P35222	33	QQSYLDSGIHSGA
751	P35222	37	LDSGIH S GATTAA
752	P35222	45	ATTTAPSLSGKGN
753	P35222	191	RHAIMR S PQMVSA
754	P35222	246	LVKMLGS S PVDSVL
755	P35222	552	DTQRRT S MGGTQQ
756	P35222	675	DYKKRL S VELTSS
757	P17302	255	ATSGALS S PAKDCG
758	P17302	262	PAKDCGSQKYAYF
759	P17302	314	QNWANY S AEQNRM
760	P17302	325	RMGQAG S TISNSH
761	P17302	328	QAGSTI S NSHAQP
762	P17302	330	GSTISNS S HAQPFD
763	P17302	344	PDDNQNS S KKLAAG
764	P17302	365	VDQRPSS S RASSRA
765	P17302	368	RPSSRAS S RASSR
766	P17302	369	PSSRASS S RASSRP
767	P17302	373	ASSRASS S RPRPDD
768	P61073	319	AQHALTS S VRGSS
769	P61073	321	HALTSV S RGSSLK
770	P61073	324	TSVSRGS S SLKILS
771	P61073	325	SVSRGSS S LKILSK
772	P61073	330	SSLKIL S KGKRGG
773	P61073	339	KRGGHSS S VSTESE
774	P61073	348	TESESS S FHSSSS
775	P61073	351	ESSSFHS S SSSSSS
776	Q9NQC7	387	AEDPAKS S LTEIST
777	Q9NQC7	418	TENRFHS S LPFSLT
778	O00622	188	ELGFDAS S EVELTR
779	P01034	43	GGPMMDAS S VEEEGV
780	Q5VWQ8	728	SPARSS S YSEANE
781	Q5VWQ8	978	SSSKGD S PELKPR
782	Q9NYF0	237	AVCRSL S TPQFNS
783	Q9NYF0	827	KILRFRS S GSLKLM
784	P51397	3	MMMMMMS S PPEGKL
785	P51397	49	DDQEWE S PSPPPKP
786	P51397	51	QEWE S SPPKPTV
787	P51397	91	SMDKHPS S PRTQHI
788	P53355	289	ALSRKAS S AVNMKE
789	P53355	308	RKKWKQS S VRLISL
790	P53355	333	NMSVAR S DDTLDE
791	P53355	734	SSRFPPS S PLASKP
792	Q9UER7	25	AAQPGPS S HPLPNA
793	Q9UER7	178	ENTASQS S PRTRGS
794	Q9UER7	213	EKEELDL S ELDDPD
795	Q9UER7	495	GKDGDKS S PMSSLQ
796	Q9UER7	668	KICTLPS S PPSPLA
797	Q9UER7	671	TLPSPPS S PLASLA
798	Q9UER7	688	SSTRVDS S PSHGLV

799	Q9UER7	702	SSLCIPS PARLSQ
800	Q9UER7	737	EIIIVLSDSDDDDD
801	Q9UER7	739	IIVLSDSDDDDDD
802	Q9Y6G9	207	GEDFPAS PQRRNT
803	Q9Y6G9	398	GRPVDAS PRVPGG
804	Q9Y6G9	405	PRVPGGS PRTPNR
805	Q9Y6G9	419	VSSNVAS VSPIPA
806	Q9Y6G9	421	SNVASVS PIAGS
807	Q9Y6G9	487	PPSTKKSGQKPVL
808	Q9Y6G9	510	RKPVTVSPTTPTS
809	Q9Y6G9	516	SPTTPTSPTEGEA
810	P27707	11	PKRSCPFSASSE
811	P27707	15	CPSFSAS SEGTRI
812	P27707	74	FEELTMS QKNGGN
813	Q96SD1	645	LSTNADS QSSSDF
814	O43602	109	RMNGLPS PTHSAH
815	O43602	128	RTLQALS NEKKAK
816	O43602	155	IVYAVSS DRFRSF
817	O43602	171	LADLTRS LSDNIN
818	O43602	191	IYTIDGS RKIGSM
819	O43602	196	GSRKIGS MDELEE
820	O43602	346	YAQDDFS LDENEC
821	O43602	368	TAGPKAS PTPQKT
822	O43602	375	PTPQKTSAKSPGP
823	O43602	378	QKTSAKS PGPMRR
824	O43602	387	PMRRSKSPADSAN
825	O43602	408	TPKSKQS PISTPT
826	O43602	415	PISTPTSPGSLRK
827	O43602	418	TPTSPGS LRKHKD
828	O43602	430	DLYLPLS LDDSDS
829	O43602	436	SLDDSDS LGDSMM
830	Q9NX09	19	TSSSPSSL PRTPT
831	Q9NX09	121	ARLLMPS SQLVSQV
832	Q9NR30	13	SDAGLES DTAMKK
833	Q9NR30	71	SEVDMNS PKSKKA
834	Q9NR30	89	PSQNDIS PKTKSL
835	Q9NR30	121	TKNEEPSEEIDA
836	Q9NR30	147	GETREKS PKLKNG
837	Q9NR30	171	EAASEES NSEIEQ
838	Q9NR30	567	KRIGVPSATEIIK
839	O00571	102	FDDRGRS DYDGIG
840	O00571	131	SRWCDKS DEDDW
841	O00571	183	PHIESFS DVEMGE
842	O00571	612	SGASSSS FSSSRA
843	O95786	854	PKPKQFS SFEKRA
844	O95786	855	KPKQFSS FEKRAK
845	P35659	19	TPTQPA SEKEPEM
846	P35659	32	PGPREES SEEED
847	P35659	51	EEEKEKS LIVEGK
848	P35659	159	RNALKSK ICEVLD
849	P35659	201	KSKKTC SKGSKKE
850	P35659	204	KTC SKGSK KERN
851	P35659	210	SKKERN SGMARK
852	P35659	227	KCPEILS DESSSD
853	P35659	230	EILSDES SSSDEDE
854	P35659	231	ILSDES SDEDEK
855	P35659	232	LSDESS DEDEKK
856	P35659	243	KKNKEE S SDDEDK

857	P35659	244	KNKEESSDDEDKE
858	P35659	251	DDEDKESSEEEPPK
859	P35659	287	NVKKADSSTTKKN
860	P35659	288	VKKADSSSTTKKNQ
861	P35659	296	TKKNQNSSKKESE
862	P35659	301	NSSKKESESEDSS
863	P35659	303	SKKESESSEDSSDD
864	P35659	306	ESESEDSSDDEPL
865	P35659	307	SESEDSSDDEPLI
866	Q08495	16	TSPGSVSPSRDSS
867	Q08495	18	PGSVSPSRDSSVP
868	Q08495	96	STSPPPSPEVWAD
869	Q08495	105	VWADSRSPGIISQ
870	Q08495	156	RESVGGSPTKHL
871	Q08495	226	EEDDDSGEEMKA
872	Q08495	289	GTSKSSSLPAYGR
873	Q08495	333	RMDRGNSLPCVLE
874	Q08495	372	RLERHLSAEDFSR
875	Q08495	403	ELKKKASLFFFFF
876	P17661	12	SSSQRVSSYRRTF
877	P17661	28	PGFPLGSPLSSPV
878	P17661	60	YQVSRTSGGAGGL
879	P17661	68	GAGGLGSRLRASRL
880	Q15398	67	VELDETSQGLVPE
881	Q15398	618	GFFRVESPVKLFS
882	Q15398	627	KLFSGLSSVSEGP
883	Q15398	642	RLGTPKSVNKAWS
884	Q15398	662	IPQQTTSPENAGP
885	Q15398	725	LSSERMSLPLLAG
886	Q15398	757	GMELNSSITSQDV
887	Q15398	777	NTASQNSILEEGE
888	Q15398	806	ECHLLDSPLGLNCS
889	Q15398	812	SPGLNCSNPFTQL
890	Q15398	830	EHARHISFGGNLI
891	Q15398	839	GNLITFSPLQPGE
892	Q13217	274	LNKLIESAEELIR
893	Q9H3Z4	8	ADQRQRSLSTSGE
894	Q9H3Z4	10	QRQRSLSTSGESL
895	Q9H3Z4	15	LSTSgesLYHVLG
896	O00429	548	PASQEPPAASAE
897	O00429	607	LLAEEKSKPIPIM
898	O00429	616	IPIMPASPQKGHA
899	O00429	637	PVARKLSSAREQRD
900	P26358	127	GMADANSPPKPLS
901	P26358	133	SPPKPLSKPRTPR
902	P26358	143	TPRRSKSDGEAKP
903	P26358	152	EAKPEPPSPSPRIT
904	P26358	154	KPEPSPSPRITRK
905	P26358	394	IFDANESEGFESYE
906	P26358	509	QEKIYISKIVVEF
907	P26358	714	NIPEMPSPKKMHQ
908	P26358	732	QNKNRISWVGEAV
909	Q9UKG1	401	LEAVTPSPSFQQR
910	Q9UKG1	410	FQQRHESLRPAAG
911	Q8TB45	244	SQETHDSPFCLRK
912	Q8TB45	258	SHDNRKSTSFSMSV
913	Q8TB45	263	KSTSFMSVSPSKE
914	Q8TB45	265	TSFMSVSPSKEIK

915	Q8TB45	282	VRRSSMS S CGSSG
916	Q8TB45	283	RRSSSMS S CGSSGY
917	Q8TB45	287	MSSCGSS S GYFSSS
918	Q8TB45	293	SGYFSSS S PTLSSS
919	Q8TB45	297	SSSPTLSS S SSPPVL
920	Q8TB45	298	SSPTLSS S SPPVLC
921	Q8TB45	299	SPTLSS S PPVLCN
922	Q16643	141	NGLARL S SPVLHR
923	Q16643	142	GLARL S SPVLHRL
924	Q16643	337	TPIPTR S PSDSST
925	Q16643	339	IPTRSP S DSSTAS
926	Q16643	416	PPRGPG S PAEDLM
927	Q9BY84	446	NKLCQF S PVQELS
928	Q9BY84	501	AQRSLLS S PLHRSG
929	Q13115	386	SLPYLHS S PITTSP
930	Q13115	391	HSPITTS S PSCCCC
931	P33316	88	LPKAGGS S PAPGPE
932	Q92997	48	YKFFFKS S MDDDFG
933	Q92997	125	PHAGGGSQENLDN
934	Q92997	192	TTSFDFD S DEDDST
935	Q92997	700	LTASRQS S FRMAMG
936	P63167	88	AILLFKS S GGGGGG
937	Q13627	310	KIVDFGS S CQLGQ
938	Q13627	529	NSGRARS S DPTHQH
939	Q13627	748	GADREES S PMTGVC
940	Q13627	758	GVCVQQS S PVASSS
941	Q92630	442	ELLGMP S QKLLDA
942	Q92630	449	QKLLDAS S KRAKNF
943	P19525	83	KEKKAVS S PLLTT
944	P19525	242	QRKAKRS S LAPRFD
945	P19525	456	GTLRYMS S PEQISS
946	P68104	300	MHHEAL S EALPGD
947	P29692	60	RENIQKS S LAGSSG
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951	O00418	27	AGHDGDS S DGDSD
952	O00418	61	KVNKYYS S NLTKE
953	O00418	66	YSNLTKS S ERYSSS
954	O00418	71	KSERYSS S SGSPAN
955	O00418	78	SGSPAN S FHFKEA
956	O00418	359	TEEKCGS S PQVRTL
957	O00418	366	PQVRTLS S SRPPL
958	O00418	398	SLPSSPS S SATPHS
959	O00418	445	GDSGYPS S EKRGE
960	O00418	470	SNRKYES S DEDSL
961	O00418	474	YESDEDS S LGSSGR
962	O00418	477	DEDSLGS S GRVCV
963	O00418	491	KWNLLN S SRLHLP
964	O00418	500	LHLPRAS S AVALEV
965	P13639	502	VMKFSVS S PVVRVA
966	P13639	595	VLCLSKS S PNKHNR
967	Q14152	492	HTSRTL S FGSDLN
968	Q14152	881	ERRLGDS S SLSRKD
969	Q14152	882	RRLGDSS S LSRKDS
970	Q14152	1198	PRESRP S EEREWD
971	Q14152	1336	VPPPALS S DRERD
972	Q14152	1364	AEKDRE S LRRTKN

973	P55884	78	AEAEAAASGPSESP
974	P55884	81	EAASGPSESPPSPP
975	P55884	83	ASGPSESPSPPAEE
976	P55884	85	GPSESPSPPAAEE
977	P55884	119	RDERSDSRAQAVS
978	P55884	125	SRAQAVSSEDAGGN
979	P55884	152	GDADEPSFSDPED
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981	P55884	164	DFVDDVSSEEELLG
982	P55884	239	IFLEYASPAHAVD
983	Q99613	9	RFFTTGSDSESES
984	Q99613	11	FTTGSDSESESSL
985	Q99613	13	TGSDSESESSLG
986	Q99613	15	SDSESESLSLGEES
987	Q99613	16	DSESESSLSGEEL
988	Q99613	18	ESESSLSGEELVT
989	Q99613	39	KQPLLLSDEEEDT
990	Q99613	166	KQNPEQSADDAE
991	Q99613	909	GYRQQQSQTAYYY
992	O00303	46	AAAPASSSDPAAA
993	O00303	258	IMKTCFSPNRVIG
994	O75821	11	DFDSKPSWADQVE
995	O75821	42	LATGDTSPPEPELL
996	O75821	189	AEQLGLSTGEKEK
997	O15372	183	CKEKDFSPEALKK
998	O75822	11	AAAAGDSDSWDADAF
999	O75822	13	AAGDSDSWDADAF
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1003	P19419	383	HFWSTLSPPIAPRS
1004	P19419	389	SPIAPRSPIAKLSF
1005	P19419	422	STPVVLSPGPQKP
1006	P50402	8	DNYADLSDELT
1007	P50402	29	HGPVVGSSTRRLYE
1008	P50402	49	TQRRLSPPSSA
1009	P50402	54	LSPPSSSAASSYS
1010	P50402	60	SAASSYSFSDLNS
1011	P50402	87	DALLYQSKGYNDD
1012	P50402	171	THYRPVSASRSSL
1013	Q7L5Y1	148	DPRMLVSCIDFRY
1014	P14625	64	LDGLNASQIRELR
1015	P14625	306	KEEKEESDDEAAV
1016	P14625	447	DLPLNVSRRETLOQ
1017	O43768	2	MMMMMSQKQEEE
1018	O43768	67	GQKYFDSDGDYNMA
1019	O43768	109	LPQRKSSLVTSKL
1020	P29317	570	NQRARQSPEDVYF
1021	P29317	579	DVYFSKSEQLKPL
1022	P29317	869	KFADIVSILDKLI
1023	P29317	892	DFDPRVSIRLPST
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1025	P29317	901	LPSTSGSEGVFPR
1026	O95278	25	ELLVVGSRPELGR
1027	Q9Y6I3	382	SDPWGGSPAKPST
1028	Q9Y6I3	419	ALPTSGSSAGELE
1029	Q9Y6I3	420	LPTSGSSAGELE
1030	Q9Y6I3	435	GEVPARS PGAFDM

1031	Q9Y6I3	447	MSGVRGS LAEAVG
1032	Q9Y6I3	454	LAEAVG SPPAAT
1033	P24390	209	LKGKKL SLPAAA
1034	P50548	20	WAYKPE SPGSRQ
1035	P50548	185	RRLGRGS VSDCSD
1036	P50548	190	GSVSDC SDGTSEL
1037	P50548	327	VYNYHLS PRAFLH
1038	P50548	431	IKVEPI SEGESEE
1039	P50548	435	PISEGE SEEVEVT
1040	P50548	444	VEVTDI SDEDEED
1041	P50548	531	LTPRRV SSDLQHA
1042	P50548	548	SLEHRD SSSSSS
1043	P11474	19	IKAEP SPDSPKG
1044	P11474	22	EPASPDS PKGSSE
1045	Q14674	1126	APSTNS SPVLTK
1046	Q14674	1396	RLKVNFS DDSDLE
1047	Q14674	1399	VNFSDDS DLEDPV
1048	Q14674	1508	FEILRGS DGEDSA
1049	P03372	104	PPLNSVS SPSPLML
1050	P03372	106	LNSVSPS PLMLLH
1051	P03372	118	HPPPQLS PFLQPH
1052	P03372	167	GRERLAS TNDKGS
1053	Q92731	87	PTPGHLS PLVVH R
1054	Q92731	105	YAEHQKS PWCEAR
1055	P15036	220	KGGLLD SMCPAST
1056	P15036	225	DSMCPAS TPSVLS
1057	P15036	295	SDSLLQS WNSQSS
1058	P43268	101	IKKEPQS PRTDPA
1059	P43268	214	PYQHQLS SEPCPPY
1060	P41212	22	SYTPPES PVPSYA
1061	P41212	213	NMIRRLS SPAERAQ
1062	P41212	257	SHPKPSS PRQUEST
1063	Q9H8M9	114	NKNVFTS SAEELER
1064	Q9UQ84	376	IWHRNY SPRPESG
1065	Q9UQ84	422	IVKRPR S AELSED
1066	Q9UQ84	454	EGNKSL SFSEVFV
1067	Q9UQ84	598	KFTRT IS PPTLGT
1068	Q9UQ84	623	DFSRT PS PSTA
1069	Q9UQ84	639	FRRKSD SPTSLPE
1070	Q9UQ84	660	LKSEESS DDESHP
1071	Q9UQ84	674	REEACSS QSQESG
1072	Q9UQ84	714	NIKLLD SQSDQTS
1073	Q9UQ84	746	GLYKSS SADSLST
1074	Q99504	266	STSPS LSQTTPSK
1075	Q99504	472	SLLLQS RKNCVN
1076	Q15910	21	WRKRV KSEYMRLR
1077	Q15910	366	NNSSRP STPTINV
1078	P50502	346	QNPANMS SKYQSNP
1079	Q6UWZ7	386	DKASKM SSPETDE
1080	Q6UWZ7	387	KASKM S PETDEE
1081	Q6UWZ7	406	FGEYSRS PTFFFF
1082	Q16875	461	PLMRRN SVTPLAS
1083	Q16875	467	SVTPLAS PEPTKK
1084	P12259	859	GAGEFK SQEHAHK
1085	Q9BSJ6	16	TSVRR RS LQHQEQ
1086	Q9BSJ6	129	RGAQKG SGSPTHS
1087	Q9BSJ6	131	AQKGSG SPTHSLS
1088	Q9BSJ6	199	LCSPSE SDSDLEP

1089	Q9BSJ6	201	SPSESDS DLEPVG
1090	A6ND36	4	MMMMAFS SQVQCLD
1091	A6ND36	124	EYWPQKS DRDSIPQ
1092	A6ND36	127	PQKSDRS IPQLDL
1093	A6ND36	356	ALVKAKS VDEIAK
1094	A6ND36	610	PGPRRPS VASSVS
1095	A6ND36	614	RPSVASS VSEEYF
1096	A6ND36	616	SVASSV SSEEYFEV
1097	A6ND36	650	PPRRQLS APHITR
1098	A6ND36	666	VGPQGGS PWAQSR
1099	P00740	114	CKDDINS YECWCP
1100	P00740	204	DVDYVNS STEAETI
1101	Q9BXW9	8	VSKRRLS KSEDKE
1102	Q9BXW9	222	PEILGDS QHADVG
1103	Q9BXW9	592	AADRSE SPSLTQE
1104	Q9BXW9	594	DRSESPS LTQERA
1105	Q9BXW9	717	DGGPVT S QESGQK
1106	Q9BXW9	1401	QGEEIKS QNSQES
1107	Q9BXW9	1404	EIKSQNS QESTAD
1108	Q9BXW9	1412	ESTADE S EDDMSS
1109	Q9BXW9	1423	SSQASKS KATEDG
1110	Q9BXW9	1435	GEEDEV S AGEKEQ
1111	Q13158	194	NRSGAMS PMSWNS
1112	Q05397	29	GTGMERS S PGAMER
1113	Q05397	580	STYYKA S KGKLPI
1114	Q05397	722	SRPGYPS PRSSEG
1115	Q05397	732	SEGFYPS PQHMVQ
1116	Q05397	887	APGHLGS LASLSS
1117	Q05397	910	LQPQEIS PPPTAN
1118	Q9HB96	249	ADGGSAS PIKDQP
1119	Q9HB96	374	FLGRILS LTSSAS
1120	Q9NVI1	407	GKTIETS PSLSRM
1121	Q9NVI1	556	LGSLSSS QCSQL
1122	Q9NVI1	730	DKSADFS QSTSIG
1123	Q9NVI1	1121	LSEEASS S QATLPN
1124	O15287	7	MSRQTT S VGSSCL
1125	Q9BX63	927	YLLEAA S HLPEN
1126	Q9BX63	930	EAASHL S PENFVE
1127	Q9BX63	990	VISRSTS PTFNKQ
1128	Q9BX63	1032	SENSASS PPRFKT
1129	Q9BX63	1237	IKNFKPS PSKNKG
1130	P35555	2702	NPEPPVS GEMDDN
1131	Q5XUX0	33	ETAAAD S EPDTDP
1132	Q5XUX0	278	MKFIFT S QYDNCL
1133	Q9UKT5	12	PRSGTN S PPPPF
1134	Q969U6	151	QFNKDDS LLLASG
1135	Q969H0	227	QRRIITS VQPPTG
1136	P39748	187	DCLTFGS PVLMRH
1137	P39748	197	MRHLTA S EAKKLP
1138	P02771	111	LEKYGH S DCQS
1139	P02771	115	GHSDCCS QSEEGR
1140	P02771	117	SDCCSQ S EEEGRHN
1141	P02771	344	DFNQFS S GEKNIF
1142	P02771	444	KAPQLT S SELMAI
1143	P02771	445	APQLTS S SELMAIT
1144	P02765	134	VYAKCDS SPDSAE
1145	P02765	135	YAKCDSS PDSAED
1146	P02765	138	CDSSPD S AEDVRK

1147	P02765	325	TFMGVV S LGS PSG
1148	P02765	328	GVVSLG S PSGEVS
1149	P02765	330	VSLGSP S GEVSHP
1150	P02671	22	TAWTADS G EGLDFL
1151	P02671	45	VVERHQ S ACKDSD
1152	P02671	50	QSACKDS D WPFC
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1156	P02671	294	NPSSAG S WNNGSS
1157	P02671	364	GTWNPG S SERGSA
1158	P02671	451	GKEKVT S GSTTTT
1159	P02671	501	MDLGLT S GIGTL
1160	P02671	524	AFFDTA S TGKTFP
1161	P02671	560	FTNTKE S SSHHPG
1162	P02671	609	MADEAG S EADHEG
1163	P02679	68	VDKDLQ S LEDILH
1164	P02751	2384	QADREDS R EEEEEE
1165	Q13045	406	LRLAGAS S PATVAA
1166	Q13045	436	LRRRKDS A QDDQA
1167	Q13045	856	AEAVLQ S PGLSGK
1168	Q14315	1161	PSKVRA S GPGLER
1169	Q14315	1338	EVAVPK S PFRVG
1170	Q14315	2233	GRERLG S FGSITR
1171	P36888	574	KQFRYE S QLQM
1172	P36888	759	SGLHGNS F HSEDE
1173	P36888	993	QAQVED S SSSSSS
1174	Q06787	337	EIMPPNS S LPSNMS
1175	Q06787	370	HFSQPNS T KVQRV
1176	Q06787	500	SEASNA S ETESDH
1177	P01100	362	AAHRKG S SSNEPS
1178	P01100	374	SSDSLSS T LLAL
1179	Q99958	215	KKVVIK S EAASPA
1180	Q99958	219	IKSEAA S PALPVI
1181	Q99958	232	TKVETL S PESALQ
1182	Q99958	235	ETLSPE S ALQGSP
1183	Q99958	240	ESALQG S PRSAAS
1184	Q99958	251	ASTPAG S PDGSLP
1185	Q99958	281	IMTLRT S PPGGEL
1186	Q99958	288	PPGGEL S PGAGRA
1187	Q99958	367	HPSGPT S PLSALN
1188	Q08050	331	KPLDPG S PQLPEH
1189	Q08050	376	LLPRVSS Y LVPIQ
1190	Q08050	693	VPFGNS S PSDIDV
1191	Q08050	730	LDTMND S LSKILL
1192	Q08050	739	KILLDIS F PGLDE
1193	Q12778	212	SAGWKNS S IRHNLS
1194	Q12778	218	SIRHNL S LHSKFI
1195	Q12778	234	NEGTGKS S WWMLN
1196	Q12778	235	EGTGKSS W MLNP
1197	Q12778	249	GGKSGKS S PRRRAA
1198	Q12778	256	PRRRAAS S MDNNSK
1199	Q12778	287	QEGAGD S PGSQFS
1200	Q12778	319	FRPRTSS N ASTIS
1201	Q12778	322	RTSSNAS T ISGRL
1202	Q12778	325	SNASTIS S GRLSPI
1203	Q12778	329	TISGRL S PIMTEQ
1204	P98177	197	PRRRAAS S MDSSSK

1205	P98177	262	FRPRSSSNASSVS
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1207	Q43524	253	PRRRAVSMDNSNK
1208	Q43524	280	LQTAPE\$ADDSPS
1209	Q43524	284	PESADDSPSQLSK
1210	Q43524	315	FRSRTNSNASTVS
1211	Q43524	399	NITLPPSQPSPTG
1212	Q43524	413	LMQRSSSFYTTK
1213	Q43524	421	PYTTKGSGLGSPT
1214	Q43524	551	GGSRAL\$NSVSNM
1215	Q43524	555	ALSNSVS\$NMGLSE
1216	Q43524	588	TLSDSL\$GSSLYS
1217	Q43524	626	LECDME\$IIIRSEL
1218	Q9BZS1	19	SLALGPSPGASPS
1219	Q9BZS1	418	EFRKKRSQRPSRC
1220	Q16658	38	KVNASAS\$SLKKKQ
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1222	Q12841	165	GDSRLDS\$EFLKF
1223	Q95633	255	EPPGGE\$AEEEEEN
1224	Q92945	181	GCKVQI\$PDGGGL
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1226	Q92945	193	LPERSV\$LTGAPE
1227	Q92945	274	ILIQDG\$QNTNVD
1228	Q92945	480	LFIIRGS\$PQQIDH
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1230	P09958	773	WQECP\$DSEEDE
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1236	Q9Y2I7	1549	ASPRNI\$PGLQNG
1237	Q9Y2I7	1754	RGTAGK\$PDLSSQ
1238	Q13283	149	TEPQEE\$EEEVEE
1239	Q13283	231	EDAQKSS\$PAPAD
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1241	Q13283	373	VELRINS\$GGKLPN
1242	P04406	83	FQERDPS\$KIKWGD
1243	P04406	122	AKRVII\$APSADA
1244	P04406	148	NSLKII\$NASCTT
1245	P04406	151	KIISNA\$CTTNCL
1246	P04406	241	VPTANV\$VVDLTC
1247	P04406	312	HFVKLI\$WYDNEF
1248	P06744	185	PRVWYV\$NIIDGTH
1249	Q9UQC2	133	SLRNVS\$SAGHGPR
1250	Q9UQC2	140	AGHGPRS\$SPAELS
1251	Q9UQC2	141	GHGPRSS\$PAELSS
1252	Q9UQC2	148	PAELSS\$SQHLLR
1253	Q9UQC2	149	AELSSSS\$QHLLRE
1254	Q9UQC2	159	LRERKSS\$APSHSS
1255	Q9UQC2	164	SSAPSH\$SQPTLF
1256	Q9UQC2	210	ENARSAS\$FSQGTR
1257	Q9UQC2	218	SQGTRAS\$FLMRSD
1258	Q9UQC2	223	ASFMLRS\$DTAVQK
1259	Q9UQC2	264	NTEFRD\$TYDLPR
1260	Q9UQC2	281	HGHTKG\$LTGSET
1261	Q9UQC2	405	RLHRASS\$CETYEY
1262	Q9UQC2	480	SVYIPMS\$PGAHHF

1263	Q9UQC2	543	DELPFKSPITKSW
1264	Q9UQC2	622	ALDFQPSSPSPHR
1265	Q9UQC2	623	LDFQPSSPSPHRK
1266	P22466	117	LPAAASSEDIERS
1267	Q14393	71	CVEELCSREEARE
1268	P01350	96	MDFGRRSAEDENN
1269	P15976	26	DPALVSSTPESGV
1270	P15976	72	AEAYRHSPVFQVY
1271	P15976	142	LKTERLSPDLLTL
1272	P15976	178	FFSPTGSPLNSAA
1273	P15976	187	NSAAYSSPKLRGT
1274	P15976	310	TRNRKASGKGKKK
1275	P30793	60	KGERPRSEEDNEL
1276	P30793	81	YSSILSSLGENPQ
1277	P04150	113	QQQISLSSGETDL
1278	P04150	134	NLNRSTSVPENPK
1279	P04150	141	VOPENPKSSASTAV
1280	P04150	203	LEFSSGSPGKETN
1281	P04150	211	GKETNESPWRSSDL
1282	P04150	226	DENCLLSPLAGED
1283	P04150	267	GDLVLSSPSNVTL
1284	O75496	63	HLTSTTSSPGVIV
1285	O75496	64	LTSTTSSPGVIVP
1286	O75496	184	EETVEDSLVEDSE
1287	P10070	149	SAARGLSPADVAQ
1288	P10070	234	SRKRALSISPLSD
1289	P10070	236	KRALSISSPLSDAS
1290	P10070	242	SPLSDASLDLQRM
1291	P10070	388	EGLRPASPLALTQ
1292	P10070	1011	RGLRLQSHPSTDG
1293	P10071	664	SHSQSRSPGRPTQ
1294	P10071	849	MLNRRDSSASTIS
1295	P10071	865	LSSRRSSGISPCF
1296	P10071	877	FSSRRSSSEASQAE
1297	P10071	907	DASRRSSSEASQSD
1298	P10071	980	HAPRRCSDGGAHG
1299	P10071	1006	HGVRRASDPVRTG
1300	P14314	24	KRPRGVSLTNHHF
1301	P14314	89	KPLYIPSNRVNDG
1302	P14314	168	LQAGKKSLLEDQVE
1303	P14314	383	FEEAERSLKDME
1304	P14314	390	LKDMEESIRNLEQ
1305	P14314	434	CPFKLVSQKPKLG
1306	Q8NBJ4	187	GNEAVASRDLSEN
1307	Q8NBJ4	309	QAALSVSQENPEM
1308	P13224	191	RAAARLSSLTDPLV
1309	P51654	352	GKLCAHSQQRQYR
1310	Q13322	104	SIQPQVSPRQRVQ
1311	Q13322	150	ELCGPGSPPVLT
1312	Q13322	418	QRKALLSPFSTPV
1313	Q13322	428	TPVRSVSENSLVA
1314	Q13322	431	RSVSENSLVAMDF
1315	Q13322	476	NILGSQSPLHPST
1316	Q3V6T2	1387	YKFYDPSPPRRRG
1317	Q3V6T2	1417	NRERQKSLLTPT
1318	Q3V6T2	1675	HKIKTGSPGSEVV
1319	Q3V6T2	1837	LPISVDSPPAAAD
1320	Q13002	846	GEFLYKSKKNAQL

1321	Q13002	868	VEELRMS S LKCQRR
1322	P34947	484	LDIEQFS S TVKGVN
1323	Q8WTQ7	36	LQRRRRS S LALPGL
1324	P49841	9	GRPRTTS S FAESCK
1325	P49841	389	RIQAAAS S TPTNAT
1326	P78347	103	TQANRMS S VDAVEI
1327	P78347	207	VTDADRS S ILSPGG
1328	P78347	210	ADRSL S PGGSCG
1329	P78347	412	IPFRRP S TYGIPR
1330	P78347	668	NTKALQS S PKRPRS
1331	P78347	784	VPFRRP S TFGIPR
1332	P78347	823	ESTSSKS S PPRKIN
1333	P14672	274	ERERPL S LLQLLG
1334	P13807	8	PLNRTL S MSSLPG
1335	P13807	11	RTLSM S SLPGLED
1336	P13807	412	ESLLVGS S LPDMNK
1337	P13807	641	RYPRP S AVPPSPS
1338	P13807	645	PASVPPS S PSLSRH
1339	P13807	649	PPSPS S LRHSSPH
1340	P13807	653	SLSRHSS S PHQSED
1341	P13807	657	HSSPHQS E DEEDDP
1342	P13807	698	EWPRRA S CTSSTS
1343	P13807	727	TPSEPL S PTSSLG
1344	P16401	2	MMMMMM S ETAPAE
1345	P16401	18	PAPVEK S PAKKKA
1346	P16401	107	GTGASGS F KLNKK
1347	P16401	173	VKKVAK S PKKAKA
1348	P16401	189	PKKATK S PAPKA
1349	Q6DN03	15	PAPKKGS S KKAVTK
1350	Q6DN03	37	KRSRKE S SYIYVY
1351	Q16695	11	KQTARK S TGGKAP
1352	Q16695	29	TKVARK S APATGG
1353	Q16695	58	IIRRQ S TELLIR
1354	Q16695	87	TDLRFQ S SAVMAL
1355	P62805	2	MMMMMM S GRGKGG
1356	P62805	48	GGVKRI S GLIYEE
1357	Q8TF76	58	ASIGDPS S QSDDPD
1358	Q8TF76	93	VPKDRP S LTVTPK
1359	Q8TF76	143	PFPSRDS S GRLSPD
1360	Q8TF76	147	RDSGRL S PDLSVC
1361	Q9BY41	39	KIPKRA S MVHSLI
1362	Q8WUI4	109	RTVHPNS S PGIPYR
1363	Q8WUI4	155	PLRKT S EPNLKL
1364	Q8WUI4	181	PLLRK S SAPPRL
1365	Q8WUI4	283	RGPILGS S PHTPLF
1366	Q8WUI4	358	PLSRT S REPLPPS
1367	Q8WUI4	364	SEPLPPS S ATAPPP
1368	Q8WUI4	486	PLSRAQS S SPAAPA
1369	Q13547	393	DAIPEE S GDEDDED
1370	Q13547	421	ACEEEF S DSEEEG
1371	Q13547	423	EEEFSD S SEECEGEG
1372	Q9UQL6	259	PLRKT S EPNLKV
1373	Q9UQL6	498	PLSRTQ S SPLPQS
1374	Q9UQL6	661	ALGRTQ S SPAAPG
1375	P42858	411	TAKEE S GGGRSRS
1376	P42858	432	GGGSSCS S PVLSRK
1377	P42858	1179	TNPPSL S PIRRKG
1378	P42858	1199	QASVPL S PKKGSE

1379	P42858	1870	SSTKLLS PQMSGE
1380	P42858	1874	LLSPQMS GEEEDS
1381	P05546	37	GGETAQ SADPQWE
1382	Q16665	247	TFLSRHS LDMKFS
1383	Q16665	551	EAKNPF S TQDTDL
1384	Q16665	576	DDFQLRS FDQLSP
1385	Q16665	589	LESSSAS PESASP
1386	Q16665	657	TTSATSS PYRDTQ
1387	P54198	549	STPAALS PSVLTT
1388	P54198	557	SVLTPPS KIEPMK
1389	P54198	584	GAPALT S MPTAV
1390	P54198	610	PRDLLES SSDSDE
1391	P54198	611	RDLLES SDSDEK
1392	P54198	612	DILLESS SDSDEKV
1393	P54198	614	LESSSDS DEKVPL
1394	P54198	661	VSLSVQS PAALTA
1395	P54198	687	LKLPIPS PQRAFT
1396	P15515	21	SMISADS SHEKRHH
1397	Q8NCD3	123	GEVDAT S DQEESV
1398	Q8NCD3	140	APAVPQS PLKNEL
1399	Q8NCD3	185	PLPSLAS PAVPAP
1400	Q8NCD3	448	HREYCLS PRNQPR
1401	Q8NCD3	473	YRGGPAS PGGLQG
1402	Q8NCD3	486	LETRRRLS LPSSKA
1403	Q8NCD3	595	QKYCLKS PGQMTV
1404	Q8NCD3	642	FQKLPSS PLGCRK
1405	P17096	36	RKQPPVS PGTALV
1406	P17096	44	GTALVGS QKEPSE
1407	P17096	49	GSQKEP S EVPTPK
1408	P17096	99	EEEEGIS QESSEE
1409	P17096	102	EGISQES SEEEQQ
1410	P17096	103	GISQES SEEQQQ
1411	P05114	8	PKRKVSS AEGAAK
1412	P05114	21	EEPKRRS SARLSAK
1413	P05114	25	RRSARLS AKPPAK
1414	P05114	86	ETKTEES PASDEA
1415	P05114	89	TEESPAS DEAGEK
1416	P05114	99	GEKEAKS DDDDDD
1417	Q9UK76	80	REDLESS GLQRRN
1418	Q9UK76	87	GLQRRNS SEASSG
1419	Q9UK76	88	LQRRNS SEASSGD
1420	Q9UK76	131	PAAPVPS PVAPAP
1421	P41235	142	RISTRRLS SYEDSS
1422	P41235	167	LSRQITS PVSGIN
1423	P41235	313	KIKRLRS QVQVSL
1424	P41235	436	PETPQPS PPGGSG
1425	P07910	113	SVTEHPS PSPLLS
1426	P07910	115	TEHPSPS PLLSS
1427	P07910	162	SKRQRVS GNTSRR
1428	P07910	166	RVSGNTS RRGKSG
1429	P07910	233	EMKNDK S EEEQSS
1430	P07910	238	KSEEEQS SSSVKK
1431	P07910	239	SEEQSS SSSVKKD
1432	P07910	241	EEQSSSS VKKDET
1433	P07910	253	TNVKME S EGGADD
1434	P07910	260	EGGADDS AEEGDL
1435	P07910	299	GEDDRDS SANGEEDD
1436	P07910	306	ANGEDDS SSSSSS

1437	Q1KMD3	161	DEPEERSGDETPG
1438	Q1KMD3	228	YHSRSKSPLPSEE
1439	P61978	75	RTDYNASVSVPDS
1440	P61978	116	EGLQLPSPTATSQ
1441	P61978	214	IILDLIESPIKG
1442	P61978	216	LDLISESPIKGRA
1443	P61978	284	RDYDDMSPRRGPP
1444	P61978	379	YAGGRGSYGDLGG
1445	P14866	52	RYYGGGSSEGRAP
1446	P14866	101	PHKTPASPVVHIR
1447	P14866	185	ISRPGDSDDSRSV
1448	P14866	291	YTNPNLSGQGDPG
1449	P14866	298	GQGDPGSNPNKRQ
1450	P14866	544	KSERSSSGLLEWE
1451	P35367	396	TWKRLRSHSRQYV
1452	P35367	398	KRLRSHSRQYVSG
1453	P07900	231	ERDKEVSDEEAE
1454	P07900	252	EKEEKESEDKPEI
1455	P07900	263	EIEDVGSDEEEEK
1456	P07900	399	DLPLNISSREMLQQ
1457	Q00613	121	IKRKVTSVSTLKS
1458	Q00613	230	KYSRQFSLEHVHG
1459	Q00613	292	ERPLSSSPLVRVK
1460	Q00613	303	VKEEPSPPPQSPR
1461	Q00613	307	PPSPPQSPPVEEA
1462	Q00613	314	PRVEEASPGRPSS
1463	Q00613	326	SVDTLLSPTALID
1464	Q00613	344	SEPAPASVTALTD
1465	Q00613	363	TEGRPPSPPPST
1466	Q00613	419	ALLDLFSPSVTVP
1467	Q00613	444	SIQELLSPQEPPR
1468	Q9ULV5	298	LKEEPASPGGDGE
1469	P04792	15	SLLRGPSWDPFRD
1470	P04792	26	RDWYPHSRLFDQA
1471	P04792	65	PPAAIESPAVAAP
1472	P04792	78	AYSRALSRQLSSG
1473	P04792	82	ALSRQLSSGVSEI
1474	P04792	83	LSRQLLSSGVSEIR
1475	P04792	86	QLSSGVSEIRHTA
1476	P04792	98	ADRWRVSLDVNHF
1477	P04792	199	GPEAAKSDETAAK
1478	Q7Z5L9	71	CFPEGRSPPGAAA
1479	Q7Z5L9	175	PELNRQSPNPRRG
1480	Q7Z5L9	240	AHKRPASVSSAA
1481	Q7Z5L9	318	LHQHGHSGPFESK
1482	Q7Z5L9	360	ARKRKPSPEPEGE
1483	Q7Z5L9	455	STTRRNSNSPPSP
1484	Q7Z5L9	457	TRRNSNSPPSPSS
1485	Q7Z5L9	460	NSNSPPSPSSMNQ
1486	P08833	45	ALCPPVSASCSEV
1487	P08833	120	HAAEAGSPESPES
1488	P08833	123	EAGSPESPESTEI
1489	P08833	126	SPESPESTEITEE
1490	P08833	144	FHLMAPSEEDHSI
1491	P08833	156	ILWDAISTYDGSK
1492	P08833	194	AKAQETSGEEISK
1493	P08833	199	TSGEEISKFYLPN
1494	P08833	242	GKRIPGSPEIRGD

1495	P17936	148	EDRSAGSVEPSV
1496	P17936	201	TDTQNFSSESKRE
1497	P22692	255	CHQLADSFREEEE
1498	P24593	116	VKIERDSREHEEP
1499	Q16270	239	VLVSPLSKEDAGE
1500	P54105	102	DEEEEEDSDDDVEP
1501	P54105	144	DPEDEDSDDYDGE
1502	P46695	31	PGPRRGSGPEIFT
1503	P46695	126	LAPTPVS AVLEPF
1504	Q16666	95	VKGPA S RKRKKE
1505	Q16666	106	KEVDAT S PAPSTS
1506	Q16666	153	EQTQPPSPAGAGM
1507	Q16666	168	AMGRSPSPKTSLS
1508	Q16666	174	SPKTSLSAPPNSS
1509	Q16666	575	IEDSAQS DLKEVM
1510	Q16666	780	DSSMET S PDFFFF
1511	O60841	107	QKGKKQS FDDNDS
1512	O60841	113	SFDDND S SEELEDK
1513	O60841	135	PKVEMY S GSDDDD
1514	O60841	137	VE M YSG S DDDDDF
1515	O60841	164	NKKWDG S SEEDEDN
1516	O60841	171	EEDEDNS K KIKER
1517	O60841	182	ERSRINS S GESGD
1518	O60841	183	RSRIN S GESGDE
1519	O60841	186	INSSGE S GDESDE
1520	O60841	190	GESGDESDEFLQS
1521	O60841	214	PGPNIES S GNEDDD
1522	O60841	547	EEDEE S EEEEEE
1523	O60841	560	EGESEG S EGDEED
1524	O60841	588	KPSKEM S SDSEYD
1525	O60841	589	PSKEM S SDSEYDS
1526	O60841	591	KEMSSD S SEYDSDD
1527	O60841	595	SDSEYD S DDDRTK
1528	P23588	93	RSRLPK S P P YTA F
1529	P23588	192	RDRNRD S DKTD T D
1530	P23588	219	PRRGDD S FGDKYR
1531	P23588	283	GRRAFG S GYRRDD
1532	P23588	406	PRERHPS S WRSEET
1533	P23588	418	TQERERS S TGSES
1534	P23588	422	ERSRTG S ESSQTG
1535	P23588	425	RTGSE S SQTGTST
1536	P23588	445	RRESEK S LENETL
1537	P23588	459	KEEDCH S PTSKPP
1538	P23588	462	DCHSPT S KPPKPD
1539	P23588	498	PARSQ S S T EQQS
1540	P23588	504	SDTEQQ S PTSGGG
1541	P23588	597	SKYAAL S VDGEDE
1542	P06730	209	TATKSG S TTKNRF
1543	Q04637	314	GEPYRL S PEPTPL
1544	Q04637	1028	QLMAKG S DKRRGG
1545	Q04637	1092	APGGRL S WGKGSS
1546	Q04637	1145	RVVQRSS S LSRERG
1547	Q04637	1147	VQRSSL S RERGEK
1548	Q04637	1185	TPATKRS S FSKEVE
1549	Q04637	1187	ATKRSF S KEVEER
1550	Q04637	1209	GLRKAAS S LTEDRD
1551	Q04637	1231	AALPPV S PLKAAL
1552	Q04637	1596	REAE EE S D HNNNN

1553	O43432	230	PDPVLKSPSPVLR
1554	O43432	232	PVLKSPSPVRLRV
1555	O43432	267	ELPLPPSPPTVSS
1556	O43432	495	NLNSRRSPVPAQI
1557	O43432	1156	TFMRGGSSKDLLD
1558	P56537	166	LVHPKTSIEDQDE
1559	P56537	174	EDQDELSSLLQVP
1560	P56537	175	DQDELSSLLQVPL
1561	P56537	235	PSTIATS MRDSL I
1562	P56537	239	ATSMRDS LIDS LT
1563	P56537	243	RDSLIDS LTTTTT
1564	Q15653	19	ADEWCDS GLGSLG
1565	Q15653	23	CDSGLGS LGPDA A
1566	Q15653	183	VALYPDS DLEKEE
1567	Q15653	313	KSGPCSS SSSDSDS
1568	Q15653	315	GPCSSS DSDSGD
1569	P25963	32	LDDRHD S GLDSMK
1570	P25963	36	HDSGLDS MKDEEY
1571	P25963	283	LQMLPE SEDEES Y
1572	P25963	288	ESEDEE SYDTESE
1573	P25963	293	ESYDTE SEFTEFT
1574	O14920	177	KELDQGS LCTS FV
1575	O14920	181	QGSLCTS FVGTLQ
1576	O14920	670	KVRGPV S GSPDSM
1577	O14920	672	RGPVSGS PDSMNA
1578	O14920	675	VSGSPDS MNASRL
1579	O14920	682	MNASRLS QPGQLM
1580	O14920	689	QPGQLMS QPSTAS
1581	O14920	692	QLMSQPS TASN SL
1582	O14920	695	SQPSTAS NSLPEP
1583	O14920	697	PSTASNS LPEPAK
1584	O14920	705	PEPAKK S EELVAE
1585	O14920	733	VREQDQS FTALDW
1586	O14920	740	FTALDW S WLQTEE
1587	O14920	750	TEEEEHS CLEQAS
1588	Q14164	172	DDEKFVS VYGTEE
1589	Q14164	664	AKGAQAS PPPIAP
1590	Q13422	13	QDMSQVS GKE SPP
1591	Q13422	63	VKVETQS DEENGR
1592	Q13422	101	SHRDQGS SALSGV
1593	Q13422	168	RHIKLHS GEKPFK
1594	Q13422	196	GHLRTHS VGKPHK
1595	Q13422	258	DLCKIGS SERSLVL
1596	Q13422	295	SDTPYDS SASYEK
1597	Q13422	361	AEGTPRS NHSAQD
1598	Q13422	364	TPRSNHS AQDSAV
1599	Q13422	389	PSEREAS PSNSCQ
1600	Q13422	391	EREASP NSCQDS
1601	Q13422	393	EASPSNS CQDSTD
1602	Q13422	397	SNSCQDS TDTESN
1603	Q13422	445	RAASENS QDALRV
1604	P40189	661	VPDPSKSHIAQWS
1605	P40189	667	SHIAQWS PHTPPR
1606	P40189	782	VFSRSES TQPLLD
1607	P40189	829	ESSPDI SHFERSK
1608	P05231	81	SNMCES S KEALAE
1609	Q0VD86	23	SRVVSRS PPPRLP
1610	Q0VD86	191	RAQLLWS PWSPLD

1611	Q0VD86	194	LLWSPWSPLDQEE
1612	Q9NQS7	119	VVGENGSVLRRVT
1613	Q9NQS7	143	ALAAPSPTPESP
1614	Q9NQS7	148	SSPTPESPMLTK
1615	Q9NQS7	197	PLPRTLSPTPASA
1616	Q9NQS7	214	SQGIPTSDEESTP
1617	Q9NQS7	263	LRIAQVSPGPRDS
1618	Q9NQS7	269	SPGPRDSPAFPDS
1619	Q9NQS7	275	SPAFTPDSPOWERV
1620	Q9NQS7	296	FSTPTGSRTDSQS
1621	Q9NQS7	306	SQSVRHSPPIAPSS
1622	Q9NQS7	312	SPIAPSSPSPQVL
1623	Q9NQS7	314	IAPSSPSPVLAQ
1624	Q9NQS7	330	LVAKQESVVRRAS
1625	Q9NQS7	400	ENNGNNSWPHNDT
1626	Q9NQS7	446	PREPPQSARRKRS
1627	Q9NQS7	476	ELQPPRSKTPSSP
1628	Q9NQS7	510	MLMTPTSAFRSVM
1629	Q9NQS7	514	PTSAPRSVMKSF
1630	Q9NQS7	828	YGMDLNSDDSTDD
1631	Q9NQS7	831	DLNSSDDS TDDEAH
1632	Q9NQS7	893	RYHKRTSSAVWNS
1633	Q9NQS7	894	YHKRTSSAVWNSP
1634	Q9NQS7	899	SSAVWNSPPLQGA
1635	Q9NQS7	914	PSSLAYS LKKHHH
1636	Q6NXS1	121	RQEQQESGEEDS
1637	Q6NXS1	122	IQEQQESSGEEDSD
1638	Q6NXS1	127	SSGEEDSDLSPEE
1639	P46940	2	MMMMMMSSAADEV
1640	P46940	330	LFRALQS PALGLR
1641	P46940	1441	PDKMKKS KSVKED
1642	P46940	1443	KMKKS KSVKEDSN
1643	Q9NWZ3	346	AQTVMTRIVGTT
1644	Q14653	14	ILPWLVSQLDLGQ
1645	Q14653	97	RLAEDRS KDPHDP
1646	Q14653	188	FPNLGPSENPLKR
1647	Q14653	386	RVGGASSLENTVD
1648	Q14653	396	TVDLHISNSHPLS
1649	Q14653	398	DLHISNSHPLSLT
1650	Q14653	427	FQGPGE SSSSSS
1651	Q13568	158	RMLPSL S TEDVK
1652	Q13568	293	ELFGPI S LEQVRF
1653	Q13568	301	EQVRFPS PEDIPS
1654	Q13568	435	MFSGELS WSADSI
1655	Q13568	437	SGELS WSADSI RL
1656	Q13568	440	LSWSADSIRLQIS
1657	Q13568	446	SIRLQISNPDLKD
1658	Q92985	477	SSLDSSS LSLCLS
1659	Q92985	479	LDSSSL SLC LSSA
1660	P35568	99	FAIAADSEAEQDS
1661	P35568	270	FRPRSKSQSSNC
1662	P35568	307	RRSRTE SITATSP
1663	P35568	312	ESITAT S PASMVG
1664	P35568	323	VGGKPGS FRVRAS
1665	P35568	345	PASVDGS PVSPST
1666	P35568	348	VDGSPVSPSTNRT
1667	P35568	527	FRKRTHSAGTSPT
1668	P35568	629	PSGRKGSGDYMPM

1669	P35568	636	GDYMPMSPKSVSA
1670	P35568	794	HLRLSTSQRLLY
1671	P35568	1101	CRRRHSSSETFSST
1672	P13612	1021	EENRRDWSWSYINS
1673	P05107	745	EKEKLKSQWNNDN
1674	P05107	756	DNPLFKSATTTVM
1675	Q96J02	240	RVSGNNSPSLSNG
1676	Q96J02	273	PASVNGSPSATSE
1677	Q96J02	450	WEKRTDSNGRVYF
1678	P19823	60	RSLPGESEEMMEE
1679	P19823	466	DFLKRLSNENHGI
1680	P19823	886	PEKPEASMEVKGQ
1681	Q9UQF2	40	RLTHDISLEEFED
1682	Q9UQF2	152	QSQGPGSGDTYRP
1683	Q9UQF2	181	DTLNNNSLGKKHS
1684	Q9UQF2	187	SLGKKHSWQDRVS
1685	Q9UQF2	193	SWQDRVSRSSSPL
1686	Q9UQF2	195	QDRVSRSSPLKT
1687	Q9UQF2	196	DRVSRSSSLKTG
1688	Q9UQF2	214	HEHICLSDELPPQ
1689	Q9UQF2	311	SRMSVSSDPDPA
1690	Q9UQF2	328	AGRPHPSISEEEE
1691	Q9UQF2	330	RPHPSISEEEEGF
1692	Q9UQF2	340	EGFDCLSPERAE
1693	Q9UQF2	355	GGGWRGSLGEPPP
1694	Q9UQF2	366	PPPRASSLSSDTS
1695	Q9UQF2	369	PRASLSSDTALS
1696	Q9UQF2	407	GDYSDESDSATVY
1697	Q9UQF2	409	YSDESDSATVYDN
1698	Q9UQF2	444	QPPACLSEDSTPD
1699	Q9UQF2	447	ACLSEDSTPDEPD
1700	Q9UQF2	469	VFMGRSRSSSAE
1701	Q9UQF2	471	MSGRSRSSSAESF
1702	Q9UQF2	472	SGRSRSSSAESFG
1703	Q9UQF2	473	GRSRSSSAESFGL
1704	Q9UPT6	314	AREKRDSSRNMEVQ
1705	Q9UPT6	364	RLDRTGSPTQGI
1706	Q9UPT6	365	LDRTGSSPTQGIV
1707	Q9UPT6	676	AKYKQLSPNGGQE
1708	Q9BR39	165	LRTSLSSLRSEHS
1709	Q9BR39	469	PQPPRESPQLHER
1710	Q9BR39	484	PRPEGGSPPAGT
1711	Q9BR39	486	PEGGSPSPAGTPP
1712	P05412	58	HLRAKNSDLLTSP
1713	P05412	63	NSDLLTSVDVGLL
1714	P05412	73	GLLKLASSPELERL
1715	P05412	243	GETPPLSPIDMES
1716	P05412	249	SPIDMESQERIKA
1717	P13646	427	SSAGSVSPRSTSV
1718	P05783	7	MSFTTRSTFSTNY
1719	P05783	10	TTRSTFSTNYRSL
1720	P05783	15	FSTNYRSLGTVQA
1721	P05783	18	NYRSLGSVQAPSY
1722	P05783	30	YGARPVSSAASVY
1723	P05783	31	GARPVSSAASVYA
1724	P05783	34	PVSSAASVYAGAG
1725	P05783	42	YAGAGGSGRISV
1726	P05783	51	RISVSRSTSFRGG

1727	P05783	53	SVSRST S FRGGMG
1728	P05783	60	FRGGMG S GGLATG
1729	P05783	100	YLDRVR S LETEMNR
1730	P05783	177	ELAMRQ S VENDIH
1731	P05783	305	LRRTVQ S LEIDLD
1732	P05783	319	MRNLK S LENSLR
1733	P05783	323	KASLENS S LREVEA
1734	P05783	398	LGDALD S SNSMQT
1735	P05783	399	GDALD S SNSMQTI
1736	P05783	401	ALDSSNS M QTIQK
1737	P35900	13	SFHRS L SSLQAP
1738	Q14678	186	RRPRL A FGGMGT
1739	Q14678	325	VRKRS Y SAGNASQ
1740	P17612	11	AAAKKG S EQESVK
1741	P17612	140	RRIGRF S EPHARF
1742	P17612	339	EEEIRV S INEKCG
1743	Q92993	86	KNGLPG S RPGSPE
1744	Q92993	90	PGSRPG S PEREVP
1745	O95251	50	RSSARL S QSSQDS
1746	O95251	57	QSSQD S SPVRNLQ
1747	O95251	102	QTRSSG S ETEQVV
1748	O95251	124	TADHDE S PPRTPT
1749	O95251	158	SIAKDM S LKDGS
1750	O95251	162	DMSLK D GSIDLH
1751	O95251	164	SLKDSG S DLSHRP
1752	O95251	506	VEEKVG S PERPLS
1753	Q13303	9	PESTTG S PARLSL
1754	Q13303	20	SLRQTG S PGMIYS
1755	Q13303	31	YSTRYG S PKRQLQ
1756	Q13303	112	KGWRRS S LVITTK
1757	Q16566	12	VPSCSA S SCSSVT
1758	Q16566	13	PSCSASS C SSVTA
1759	Q16566	336	VKAVVA S SRLGSA
1760	Q16566	360	KASRD P SPIQDGN
1761	Q14654	385	KPKFS I S PDSLSS
1762	O60928	201	RPSPLT S VRVSAV
1763	O60928	287	ICQRRT S YLPSEI
1764	Q03721	8	ISSVCV S SYRGRK
1765	Q03721	9	SSVCV S SYRGRKS
1766	Q03721	15	SYRGRK S GNKPPS
1767	Q03721	21	SGNKPP S KTCLKE
1768	P48048	44	QRARLV S KDGRCN
1769	O95069	348	ETRRRL S VEIYDK
1770	O43526	52	EAPKRG S ILSKPR
1771	Q9NQT8	661	DRFSFH S PSAQQR
1772	Q9NQT8	1379	GKLSRR S ISSPNV
1773	Q9NQT8	1381	LSRRS I S SPNVNR
1774	Q9NQT8	1382	SRRSISS P NVNRL
1775	Q9NQT8	1410	NKGRWE S QQDVSQ
1776	Q9NQT8	1432	APALSV S PQNNHS
1777	Q9NQT8	1438	SPQNNH S PDPGLS
1778	Q9NQT8	1537	KPAKVP S PPPVIA
1779	Q9NQT8	1559	AQDGPP S PLSEAS
1780	Q9NQT8	1644	EAPAPG S PFRVRR
1781	Q9NQT8	1797	SATLSG S SATNLAS
1782	O95235	7	MSQGIL S PPAGLL
1783	O95235	14	PPAGLL S DDDVVV
1784	O95235	21	DDDVVV S PMFEST

1785	095235	528	SFIKEHS L QVSPS
1786	095235	532	EHSLQVS S PSLEKG
1787	095235	662	QEARQQ S VAHQQS
1788	095235	668	SVAHQQS G SELAL
1789	095235	825	KLQGQVS A KKRLG
1790	095235	867	QSSTD C SPYARIL
1791	Q8IX03	542	PRSSL S SPPPCS
1792	Q8IX03	899	TETPAPS P TVVRP
1793	Q8IX03	931	IRSKTF S PGPQSQ
1794	Q8IX03	947	RLNRSD S DSSTLS
1795	Q8IX03	975	RMKRPS S VKSLRS
1796	Q8IX03	978	RPSSVK S LRSERL
1797	P52732	1033	INTLERS K VEETT
1798	Q8N4N8	147	LMKQKK S PCLWEI
1799	Q8N4N8	204	LDSSKI S VLEPPQ
1800	Q99661	22	AIKIQRS N GLIHS
1801	Q99661	95	QKQKRR S VNSKIP
1802	Q99661	109	PKESL R SSTRMS
1803	Q99661	111	ESLRSR S TRMSTV
1804	Q99661	115	SRSTRMS T VSELR
1805	Q99661	166	IPLRMV S SEEMEEQ
1806	Q99661	192	NSVRRK S CLVKEV
1807	Q99661	621	LIPGNL S KEEEEL
1808	Q99661	633	LSSQM S FNEAMT
1809	P04183	13	PTVLPG S PSKTRG
1810	P04183	231	QQILQC S PANNNN
1811	P10721	741	KADKRR S VRIGSY
1812	P10721	746	RSVRIG S YIERDV
1813	P10721	821	RDIKN D SNYVVKG
1814	P10721	891	EGFRML S PEHAPA
1815	P10721	959	Hsvrin S VGSTAS
1816	Q07866	521	NMEKRR S RESLNV
1817	Q07866	524	KRRSRE S LNDVV
1818	P01042	332	TTCSKE S NEELTE
1819	P05771	16	PSEGEE S TVRFAR
1820	P05771	661	NEFAGFS S YTNP EF
1821	Q15139	205	VRRRRL S NVSLTG
1822	Q15139	208	RRLSNV S LTGVST
1823	Q15139	345	VVMEEG S DDNDSE
1824	Q15139	397	DANRT I S PSTSNN
1825	Q15139	401	TISPST S NNIPLM
1826	Q15139	448	HYWRLL S KCITLF
1827	Q15139	473	PLSEIL S LEPVKT
1828	Q15139	738	RIIGEK S FRRSVV
1829	Q15139	742	EKSFR R SVVGTPA
1830	Q15139	910	ALGERV S I LLLL
1831	Q9BZL6	200	RRLSST S LASGHS
1832	Q9BZL6	203	SSTSL S GHHSVRL
1833	Q9BZL6	206	SLASGH S VRLGTS
1834	Q9BZL6	214	RLGTSE S LPCTAE
1835	Q9BZL6	244	SSSSAS S YTGRP
1836	Q9BZL6	518	ILQDAP S APGHAP
1837	Q9BZL6	876	GLAERI S V LLLL
1838	Q05655	130	DVDCKQ S MRSEDE
1839	Q05655	299	QVTQR A SRRDSA
1840	Q05655	302	QRASRR S DSASSE
1841	Q05655	304	ASRRSD S SASSEPV
1842	Q05655	307	RSDSAS S EPVGIY

1843	Q05655	503	ENIFGE S RASTFC
1844	Q05655	506	FGESRAS T FCGTP
1845	Q05655	645	NEKARL S YSDKNL
1846	Q05655	654	DKNLID S MDQSAF
1847	Q05655	658	IDSM DQ SAFAGFS
1848	Q05655	664	SAFAGF S FVNPKF
1849	Q02156	234	TPDQVG S QRFSVN
1850	Q02156	316	PDKITNS G QRRKK
1851	Q02156	329	LIAGAE S PQPASG
1852	Q02156	346	EEDRSK S APTSPC
1853	Q02156	350	SKSAPT S PCDQEI
1854	Q02156	368	NIRKAL S FDNRGE
1855	Q02156	388	PDGQLMS P GENGE
1856	Q02156	729	EEFKG F SYFGEDL
1857	Q04759	348	QGISWE S PLDEV
1858	Q04759	676	NEKPRL S FADRAL
1859	Q04759	685	DRALIN S MDQNMF
1860	Q04759	695	NMFRNF S FMNPGM
1861	060256	219	EAQDAE S DLVDGR
1862	060256	227	LVDGRH S PPMVRS
1863	060256	233	SPPMVR S VAAIHP
1864	075582	212	ETERAY S FCGTIE
1865	075582	360	EMDPTY S PAALPQ
1866	075582	376	KLFQGY S FVAPSI
1867	075582	381	YSFVAPS I LFKRN
1868	075582	647	IKKGDF S FEGEAW
1869	075582	657	EAWKNV S REAKDL
1870	075582	691	EWLQDG S QLSSNP
1871	075582	695	DGSQQL S NPLMTP
1872	075582	750	RKMKT S TSTETR
1873	075582	752	MKKTST S TETRSS
1874	075582	758	STETRSS S SESSH
1875	075582	759	TETRSS S SESSH
1876	Q9UK32	232	QEKKAY S FCGTVE
1877	Q9UK32	372	AKTPKD S PGLPAS
1878	Q9UK32	389	QLFKG F SVATSI
1879	P23443	394	RQTPVDS P DDSTL
1880	P23443	434	FEPKIR S PRRFIG
1881	P23443	441	PRRFIG S PRTPVS
1882	P23443	447	SPRTPV S PVKFSP
1883	P23443	452	VSPVKF S PGDFWG
1884	P43405	44	LYLLRQS R NYLGG
1885	P43405	202	ARDNNNG S YALCLL
1886	P43405	295	IISRIKS S YFPKP
1887	P43405	297	SRIKS S FPKPGH
1888	P43405	316	QGNRQE S TVSFNP
1889	P43405	319	RQUEST S FNPYEP
1890	P43405	350	DTEVYE S PYADPE
1891	P43405	379	EDKELG S GNFGTV
1892	P43405	579	YRGMKG S EV
1893	Q86UP2	75	NGNLHE S DSESVP
1894	Q86UP2	156	KQPTPP S EEAASK
1895	Q86UP2	1084	KLFPKV S VPSNLS
1896	075449	42	MNKLY S VKDTYL
1897	075449	109	PVERRP S PGPRKR
1898	075449	170	REEKNK S PAAVTE
1899	P32004	1163	EDTQVD S EARPMK
1900	P32004	1181	EYRSLE S DNEEKA

1901	P32004	1194	FGSSQPSLNGDIK
1902	P32004	1248	DSSGATSPINPAV
1903	Q15334	663	KKSLRQSFRIRK
1904	P55268	1532	EGADPDSIEMVAT
1905	P11047	1149	RLIEIASRELEKA
1906	P11047	1493	MMAGMASQAAQEA
1907	Q6PKG0	75	GQQERESPRPLQL
1908	Q6PKG0	90	AEGPAISDGEEGG
1909	Q6PKG0	143	TTVNGQSPPEHSA
1910	Q6PKG0	165	PKQRKGSKVGDFG
1911	Q6PKG0	215	QEKGEGSDSKESP
1912	Q6PKG0	220	GSDSKESPKTKSD
1913	Q6PKG0	324	DQDETSVKSDGA
1914	Q6PKG0	327	ETSSVKSDGAGGA
1915	Q6PKG0	517	YQKETE SAPGS PR
1916	Q6PKG0	521	TESAPGS PRA VTP
1917	Q6PKG0	548	PKGLSASLPD LDS
1918	Q6PKG0	627	NTFTAWSDEESDY
1919	Q6PKG0	631	AWSDEESDYEIDD
1920	Q6PKG0	766	PSTIARS LPTTVP
1921	Q6PKG0	774	PTTVPES PNY RNT
1922	Q6PKG0	824	RKTRHSSNPPLES
1923	Q6PKG0	851	TASI SSSPSEGTP
1924	Q6PKG0	1040	GNHKRHSSVVAGGG
1925	O95835	278	SQTKRYSGNMEYV
1926	O95835	464	IPVRSNSFNNPLG
1927	O95835	613	KKQITTSPITVRK
1928	O95835	674	MMRVGLSQDAQDQ
1929	O95835	909	QRCLAHS LVGT PN
1930	Q9NRM7	83	LREIRYSLLPFAN
1931	P05455	366	KKTKFAS DDEHDE
1932	Q14739	67	RQRKGGS TSSSPS
1933	Q14739	71	GGSTSSSPSRRRG
1934	Q14739	86	SRSRSRS PGRPPK
1935	Q14739	97	PKSARRS ASASHQ
1936	Q14739	99	SARRSAS ASHQAD
1937	P09382	30	VAPDAKS FVLNLG
1938	P17931	6	MMADNFS LHDALS
1939	P17931	12	SLHDALS GSGNPN
1940	P16150	291	TGALVLS RGGKRN
1941	P16150	351	FFGRRKS RQGSLA
1942	P16150	355	RKS RQGS LAMEEL
1943	P16150	368	KSGSGPSLKGE EE
1944	Q9UBR4	71	LAERCFS RGESVY
1945	Q9UBR4	234	FRNMKRS RGGSKS
1946	Q9UBR4	238	KRSRGGSKSDKDS
1947	P53667	210	VDPGCMS PDVKNS
1948	P53667	302	SCSIDRS PGAGSL
1949	P53667	307	RSPGAGS LGSPAS
1950	P53667	310	GAGSLGS PASQRK
1951	P53667	323	DLGRSESLRVVCR
1952	P53667	337	HRIFRPS DLIHGE
1953	P09960	416	AYVEKFS YKSITT
1954	P02545	12	QRRATRS GAQASS
1955	P02545	18	SGAQASS TPLSPT
1956	P02545	22	ASSTPLSPTRITR
1957	P02545	212	FQKNIYSEELRET
1958	P02545	277	LDNARQSAERN SN

1959	P02545	301	SRIRIDSLSAQLS
1960	P02545	307	SLSAQLSQLQKQL
1961	P02545	390	EERLRLSPSPSTSQ
1962	P02545	392	RLRLSPSPTSQRS
1963	P02545	395	LSPSPTSQRSRGR
1964	P02545	403	RSRGRASSHSSQT
1965	P02545	404	SRGRASSHSSQTQ
1966	P02545	407	RASSHSSQTQGGG
1967	P02545	414	QTQGGGSVTKKRK
1968	P02545	431	ESRSSFSQHARTS
1969	P02545	458	VRLRNKSNEQSM
1970	P02545	463	KSNEQSMGNWQI
1971	P02545	546	MRKLVRSTVVVED
1972	P02545	612	QVGGPISSGSSAS
1973	P02545	628	VTRSYRSVGGSGG
1974	P02545	632	YRSVGGSGGSFG
1975	P02545	636	GGSGGGSGFDNLV
1976	P02545	652	YLLGNSSPRTQSP
1977	P09917	272	SLERQLSLEQEVQ
1978	P09917	524	MRGRKSSGFPKSV
1979	Q96CN5	661	LAYVQASPVRTLS
1980	O75581	1420	VVHGPASVPLGYV
1981	O75581	1430	GYVPHPSLGSGL
1982	O75581	1490	ILNPPPSPATERS
1983	Q9Y608	18	PVKDRFSAEDEAL
1984	Q9Y608	190	YKSDRASPTANSG
1985	Q9Y608	202	GLLRSASSLASLYN
1986	Q9Y608	312	RPSSRNSASATT
1987	Q9Y608	320	SATTPLSGNSSRR
1988	Q9Y608	324	PLSGNSSRRGSGD
1989	Q9Y608	328	NSSRRGSGDTSSL
1990	P33241	24	GPTAQWSVEDEEE
1991	P33241	111	EPPQCRSPGEQE
1992	P33241	177	QQPRTPSPLVLEG
1993	P33241	188	EGTIEQSPPPLSP
1994	P33241	189	GTIEQSSPPLSPT
1995	P33241	193	QSSPPLSPPTKLI
1996	P33241	252	KLARQASIELPSM
1997	Q9HCC9	586	RLREKCSPGVGIG
1998	Q14766	1414	VPAGESSEAGGE
1999	Q14766	1597	DALVDFSEQYTP
2000	Q16584	11	KSLFLKSPLGSWN
2001	Q16584	281	HKTTQMSAAGTYA
2002	Q16584	394	PRDSFHSMQEGWK
2003	Q16584	507	RITVQASPGDERR
2004	Q16584	524	EVGPGDSPTFPRF
2005	Q16584	548	QAWGRQSPRRLLED
2006	Q16584	555	PRRLEDSSNGERR
2007	Q16584	556	RRLEDSSNGERRA
2008	Q16584	654	GTALLASLGLGRD
2009	Q16584	693	PTEPPPSPLICFS
2010	Q16584	705	SLKTPDSPPTPAP
2011	Q16584	724	IPVGQRSAKSPPR
2012	Q16584	727	GQRSAKSPPREEE
2013	Q16584	740	PRGGTVSPPPGTS
2014	Q16584	748	PPGTSRSAPGTPG
2015	Q16584	758	TPGTPRSPPGLI
2016	Q16584	770	ISRPRPSPLRSRI

2017	Q16584	789	SAGPRPSPLPSPQ
2018	Q16584	793	RPSPLPSPPAPR
2019	Q16584	815	SDPFWDSPPANPF
2020	Q99683	83	TRGRGSSVGGGSR
2021	Q99683	958	SALSAGSNEYLRS
2022	Q99683	966	EYLRISILPVPL
2023	Q99683	1029	ENFEDHSAPPSP
2024	Q99683	1033	DHSAPPSPEEKDS
2025	P41279	62	NDERSKSLLLLSGQ
2026	P41279	141	TYRNIGSDFIIPRG
2027	P41279	400	DQPRCQSILDSALL
2028	P41279	443	MLKRQRSLYIDLG
2029	O43318	192	MTNNKGSAAWMAP
2030	O43318	389	SEGKRMSSADMSEI
2031	O43318	439	GQPRRRSITQDLTV
2032	Q99759	166	PRSRHLSVSSQNP
2033	Q99759	250	RMSRAQSFPDNRQ
2034	Q99759	337	PRGRLRSADSENA
2035	Q99759	340	RLRSADSSENALSV
2036	P80192	308	HRTTKMSAAGTYA
2037	Q92918	171	TLARRLSFIGTPY
2038	Q92918	405	PKPKFRSPSPSDEGP
2039	Q92918	407	PKFRSPSPDEGPGS
2040	Q92918	413	SDEGPGSMGDDGQ
2041	Q92918	421	GDDGQLSPGVLVR
2042	Q92918	586	NPIAHISPHRLLA
2043	Q9H063	60	HVLEALSPPPQTSG
2044	Q9H063	65	LSPPQTSGLSPSR
2045	Q9H063	68	PQTSGLSPSRLSK
2046	Q9H063	70	TSGLSPSRLSKSQ
2047	Q9H063	75	PSRLSKSQGGEET
2048	Q9H063	214	GSTYTPSEAGNEL
2049	Q8NHW3	14	GAELPSSPLAIEY
2050	Q8NHW3	49	HRLPPGSLSSSTPL
2051	Q8NHW3	61	LSTPCSSVPSSPS
2052	Q8NHW3	65	CSSVPSSPSFCAP
2053	P27816	14	DALTEPSPDIEGE
2054	P27816	60	DEKTGNSESKKKP
2055	P27816	99	GSDTTGSPTEFILE
2056	P27816	280	LAKDMESPTKLDV
2057	P27816	358	KETERASPIKMDL
2058	P27816	507	GLLKDMSPLESETE
2059	P27816	510	KDMSPLSETEMAL
2060	P27816	580	KDVPLSSETEATP
2061	P27816	624	APTFMISPETVTG
2062	P27816	636	GTGKKCSLPAEED
2063	P27816	643	LPAEEDSVLEKLG
2064	P27816	696	NKELPPSPEKKTK
2065	P27816	787	APEKRASPSKPAS
2066	P27816	797	PASAPASRSGSKS
2067	P27816	825	TGPSSRSPSTLLP
2068	P27816	827	PSSRSPSTLLPKK
2069	P27816	928	RLATNTSAPDLKN
2070	P27816	941	VRSKVGSSTENIKH
2071	P27816	1000	IVSKKVSYSHIQS
2072	P27816	1073	AQAKVGSLDNVGH
2073	P27816	1145	EAQTLDSQIQETS
2074	P27816	1151	SQIQETSIIIIII

2075	P49137	9	SNSQGQSPPVVPFP
2076	P49137	272	NHGLAISPGMKTR
2077	P49137	328	HPWIMQSSTKVPQT
2078	Q8IW41	115	ELFHRISSQHRHFT
2079	Q8IW41	212	SGIIPSTSPTPYTY
2080	Q16655	108	PAYEKLSAEQSPP
2081	P29966	26	GEAAVASSPSKAN
2082	P29966	27	EAAVASSPSKANG
2083	P29966	29	AVASSPSKANGQE
2084	P29966	46	KVNGDASPAAES
2085	P29966	63	ELQANGSAPAADK
2086	P29966	77	EPAAAGSGAASPS
2087	P29966	81	AGSGAASPSAAEK
2088	P29966	101	APEAGASPVEKEA
2089	P29966	118	EAAEPGSPTAAEG
2090	P29966	135	AASSTSSPKAEDG
2091	P29966	145	EDGATPSPSNETP
2092	P29966	147	GATPSPSNETPKK
2093	P29966	159	KKKKRFSFKKSFK
2094	P29966	163	RFSFKKSFKLSGF
2095	P29966	167	KKSFKLSSGFSFK
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2097	P29966	262	KAAEEPSKVEEKK
2098	P29966	314	SACAAPSQEAQPE
2099	O15232	441	EARRLVSTEDACG
2100	Q96EY5	163	PKPRGLSRDMQGL
2101	Q96EY5	170	RDMQGLSLDAASQ
2102	Q96EY5	202	TLRRNDSIYEASS
2103	Q96EY5	207	DSIYEASSLYGIS
2104	Q96EY5	232	FEGKSCSPLAFSA
2105	Q9H7P6	46	EALPETSMDPITG
2106	Q9H7P6	101	CFTRSFSKENSHL
2107	Q9H7P6	309	AARLPPSPTRCQQ
2108	P02686	141	ASQKRPSQRHGSK
2109	P02686	174	DTGILDSIGRFFG
2110	P02686	190	GAPKRGSGKDHH
2111	P02686	249	LSLSRFSWGAEGQ
2112	P02686	295	KLGGRDSRSGSPM
2113	P02686	299	RDSRSGSPMARR
2114	Q14703	168	LRRASLSLGSGFW
2115	Q07820	121	AADAISMSEEEELD
2116	Q07820	159	NTSTDGSLPSTPP
2117	Q07820	162	TDGSLPSTPPPAE
2118	P49736	12	ESFTMASSPAQR
2119	P49736	13	SFTMASSPAQR
2120	P49736	26	GNDPLTSSPGRSS
2121	P49736	27	NDPLTSSPGRSS
2122	P49736	40	RTDALTSPPGRDL
2123	P49736	41	TDALTSSPGRDLP
2124	P49736	53	PPFEDESEGLLGT
2125	P49736	108	VEELTASQREAAE
2126	P49736	139	RGLLYDSDDEEDEE
2127	P49736	381	RIRIQESPGKVA
2128	P25205	160	TIERRYSDLTTLV
2129	P25205	535	TDDPNFSQEDQQD
2130	P25205	668	KKRKKRSSEDESET
2131	P25205	672	KRSEDESETEDEE
2132	P25205	681	EDEEEKSQEDQEQ

2133	P25205	711	YDPYDFS DTEEEEM
2134	Q9ULC4	118	MCPGLTS PGAKLY
2135	Q13257	170	PEKWEES GPQFIT
2136	Q13257	178	PQFITS SEEVRLR
2137	Q13257	195	TIHKVNS MVAYKI
2138	Q00987	166	SRRRAIS SETEENS
2139	Q00987	240	DWLQDQS VSDQFS
2140	Q00987	242	LDQDSVS DQFSVE
2141	Q00987	246	SVSDQFS VEFIVE
2142	Q00987	260	LDSEDYSL SEEGQ
2143	Q00987	262	SEDYSL SEEGQEL
2144	Q00987	386	DKITQAS QSQESE
2145	Q00987	395	QESEDYSQPSTSS
2146	Q00987	407	SSIIYSS QEDVKE
2147	Q00987	425	TQDKEES VESSLP
2148	Q00987	429	EESVESS LPLNAI
2149	O15151	342	KLTHSLS TSDITA
2150	O15151	367	DCRRTIS APVVRP
2151	Q14814	121	DKYRRAS EELDGL
2152	Q14814	180	TDPRLLS PQQPAL
2153	Q14814	190	PALQRNS VSPGLP
2154	Q14814	231	YVSARAS PGLLPV
2155	Q14814	251	KVIPAKS PPPPTH
2156	Q14814	444	IKSEPVSPSRERS
2157	Q06413	59	KLFQYAS TDMDKV
2158	Q06413	396	IKSEPVSPPRDRT
2159	Q06413	419	RHEAGRS PVDSL
2160	Q14680	171	LQTCCGS SLAYAAP
2161	Q14680	253	DPKKRIS MKNLLN
2162	Q14680	336	VRLRLSS FSCGQA
2163	Q14680	343	FSCGQAS ATPFTD
2164	Q14680	356	IKSNNWS LEDVTA
2165	Q14680	391	AATPRTSQFTKYW
2166	Q14680	407	NGVESKS LT PALC
2167	Q14680	431	NVYTPKS AVKNEE
2168	Q14680	498	LMTGVI SPERRCR
2169	Q14680	505	PERRCRS VELDLN
2170	Q14680	529	GAKVFGS LERGLD
2171	Q6ZN04	462	LARRVRS DP GGGG
2172	Q08431	42	GLCEEIS QEVRGD
2173	P08493	22	VTLCYES HESMES
2174	P08493	25	CYESHES MESYEL
2175	P08493	28	SHESMES YELNP
2176	Q9UM21	474	SEGLEIS KETKDK
2177	Q5JRA6	226	AQGEQAS FESFEE
2178	Q5JRA6	229	EQASFES FEEMLQ
2179	Q5JRA6	727	EEDDYPSEELLED
2180	Q5JRA6	876	EPEGELS KEDHEN
2181	Q5JRA6	1067	LHEDNFS REKTAE
2182	Q5JRA6	1706	PRSEFGS VDGPLP
2183	Q5JRA6	1727	SGKPSPS DPGSGT
2184	Q5JRA6	1741	TMMNSSS RGSSPT
2185	Q5JRA6	1745	SSSRGSS PTRVLD
2186	Q5JRA6	1892	DEPPPAS QSTSQD
2187	Q5JRA6	1906	SQALKQS PPPPPP
2188	Q8IVT2	78	AYTGQPS PRGLHS
2189	Q8IVT2	214	KGAPHSS PARGT
2190	Q8IVT2	284	SLASVESPGTPKE

2191	Q8IVT2	382	STPDWVSSEGQPQPG
2192	Q8IVT2	394	GLRRALSSDSILS
2193	Q8IVT2	395	LRRALSSDSILSP
2194	Q8IVT2	397	RALSSD\$ILSPAP
2195	Q8IVT2	400	SSDSIL\$PAPDAR
2196	Q8IVT2	430	AYQPYL\$PGTPQL
2197	Q8IVT2	471	MSPRHLSSESGKP
2198	Q8IVT2	541	ALRLQKSQSSDLL
2199	Q8IVT2	543	RLQKSQS\$DLLE
2200	Q8IVT2	575	LFPEVFSPTPDEN
2201	Q8IVT2	582	PTPDENS\$DQNSRS
2202	Q8IVT2	586	ENSDQNS\$RSSSSQA
2203	Q8IVT2	675	ESRIYA\$SEEDDDD
2204	O75030	180	GSSAPNS\$PMAMLT
2205	O75030	405	ARAHL\$SLIPSTG
2206	O75030	414	PSTGLCS\$PDLVNR
2207	O75030	491	LMDDTLS\$PVGVTD
2208	O75030	516	TSSRRS\$MSMEET
2209	Q16659	189	SHKGHL\$EGLVTK
2210	Q9BYG3	218	KKKKKV\$GTLDTP
2211	Q9BYG3	230	PEKTVDS\$QGPTPV
2212	Q9BYG3	247	FLERRKS\$QVAELN
2213	O14950	20	RPQRATS\$NVFAMF
2214	P58340	34	QMIRSF\$EPFGRD
2215	Q8NB16	125	EQRMPV\$PISQGA
2216	Q8NB16	358	LRKTQT\$MSLGTT
2217	Q8NB16	360	KTQTSMS\$LGTTRE
2218	Q9H492	12	PFKQRRS\$FADRCK
2219	Q9NYL2	165	NHTTHMS\$LVGTFP
2220	Q9NYL2	275	LPDKCNS\$FLHNKA
2221	Q9NYL2	302	KLERDLS\$FKEQEL
2222	Q9NYL2	599	SNPILGS\$PFFSHF
2223	Q9NYL2	633	IITPVNQS\$RSSSPT
2224	Q9NYL2	727	ALNPHQ\$PDFKRS
2225	Q9NYL2	733	SPDFKRS\$PRDLHQ
2226	P03956	57	VEKRRNS\$GPVVEK
2227	Q13163	311	STQLVNS\$IAKTYV
2228	P36507	23	TIAEGPS\$PTSEGA
2229	P36507	222	SGQLIDS\$MANSFV
2230	P36507	226	IDSMANS\$FVGTRS
2231	P36507	293	EEGEPHS\$ISPRPR
2232	P36507	295	GEPHSIS\$PRPRPP
2233	P46734	3	MMMMMES\$PASSQP
2234	P46734	15	PASMPQS\$KGKSKR
2235	P46734	218	SGYLVDS\$VAKTMD
2236	P30304	76	NLQRMG\$SESTD
2237	P30304	79	RMGSSE\$TDGF
2238	P30304	82	SSESTD\$GFCLDS
2239	P30304	88	SGFCLDS\$GPLDS
2240	P30304	124	ALKRSH\$DSLHD
2241	P30304	178	FTQRQNS\$APARML
2242	P30304	279	LKRPER\$QEEESPP
2243	P30304	293	STKRRKS\$MSGASP
2244	P30304	513	TWAGEKS\$KREMYS
2245	P30304	519	SKREMY\$RLKKLL
2246	P30305	169	LRNITNS\$QAPDGR
2247	P30305	249	MEVEELS\$PLALGR
2248	P30305	323	RLFRSP\$MPCSVI

2249	P30305	353	QNKR R R S V T P PEE
2250	P30305	375	RVLRSK S LCHDEI
2251	P30307	38	LLERDT S FTVCPD
2252	P30307	57	GKF L GD S ANLSIL
2253	P30307	61	GDSANL S I L SGGT
2254	P30307	64	ANL S I L GGTPKR
2255	P30307	122	QHLMKCS P AQLLC
2256	P30307	129	PAQLLC S TPNGLD
2257	P30307	168	EMKYLG S PI T TV P
2258	P30307	191	DQAEEI S DELMEF
2259	P30307	198	DELMEF S LKDQEA
2260	P30307	214	RSGLYR S PSMPEN
2261	P30307	216	GLYRSP S MPENLN
2262	P30307	472	LLVKDM S PPPPP
2263	Q8TAP9	47	PRDGYG S PHHTPP
2264	Q8TAP9	72	SPRHGG S FPGRF
2265	Q8TAP9	80	PGGRFG S PSPGGY
2266	Q8TAP9	82	GRFGSP S PGGYPG
2267	Q8TAP9	93	PGSYSRS S PAGSQQ
2268	Q8TAP9	104	QQQFGY S PGQQQT
2269	Q8TAP9	124	TSTPF G S R RVREK
2270	Q8TAP9	133	VREKRM S NELENY
2271	Q5VT25	222	RLADFG S CLKLME
2272	Q5VT25	234	EDGTVQ S SVAVGT
2273	Q5VT25	1127	GKASQPS S VVISQV
2274	Q5VT25	1545	NNKRRY S FRVPEE
2275	Q5VT25	1651	ALKREF S GGSYSA
2276	Q5VT25	1669	PSPSEG S LSSGGM
2277	Q5VT25	1693	DGEDSD S PRHSTA
2278	Q5VT25	1719	SPRKT K SLSLEST
2279	Q5VT25	1721	RKTKSL S LESTD R
2280	Q9Y6F6	110	SPHKRL S HRHLKV
2281	Q9Y6F6	367	PLLRG L WD S GPE
2282	Q9Y6F6	657	RTARSM S LTLGKN
2283	Q9Y6F6	670	MPPRRRV S VAVVPK
2284	Q13421	200	GRFVAE S AEVLLP
2285	Q13614	6	MMEKSS S CESLGS
2286	Q13614	58	TSADNF S PD L RLV L
2287	P42345	567	LAHQ L ASPGLT T TL
2288	P42345	1261	MKKLHV S STINLQK
2289	P42345	2159	IQSIA P SLQVITS
2290	P42345	2448	SRTRTD S YSAGQS
2291	P42345	2478	GT T VPE S IHSFIG
2292	P42345	2481	VPESI H SFIGDGL
2293	P15941	1227	PSSTD R SPYEKVS
2294	Q9BRK3	228	LLDLYA S GERRAY
2295	P10244	241	IKEEEN S EEELAA
2296	P10244	577	KPGLRR S PIKKVR
2297	P04198	261	SGEDTL S SD S DEDDE
2298	P04198	263	EDTLSD S D D DEDE
2299	P01106	6	MMPLNV S FTNRNY
2300	P01106	62	LPTPPL S PSRRSG
2301	P01106	71	RRSGLC S PSYVAV
2302	P01106	161	ARKDSC S PNPARG
2303	P01106	329	KRVKLD S VRVLRQ
2304	O14974	299	EKRD K K S PLIEST
2305	O14974	422	TTATK T I S PKEEER
2306	O14974	432	EERKDE S PATWRL

2307	O14974	445	GLRKTGSYGALAE
2308	O14974	472	GVTRSAASSPRLSS
2309	O14974	473	VTRSASSPRLSSS
2310	O14974	477	ASSPRLSSSLDNK
2311	O14974	507	IPIRRLASTSDIEE
2312	O14974	601	KITTGSSAGTQS
2313	O14974	668	VRERRRSYLTPVR
2314	O14974	692	SRQARQSRRSTQG
2315	O14974	695	ARQSRRSSTQGVTL
2316	O14974	852	PREKRRSSTGVFW
2317	O14974	862	SFWTQDSDENEQE
2318	O14974	871	NEQEQQSDTEEGS
2319	O14974	910	LLGRSGSYSYLEE
2320	O14974	995	ALERRISSEMEEEL
2321	P41227	182	IENKVESKGNNSPP
2322	P41227	186	VESKGNSPPSSGE
2323	P41227	205	GLAAEDSGGDSKD
2324	P41227	209	EDSGGDSKDLSEV
2325	P41227	213	GDSKDLSEVSETT
2326	P41227	216	KDLSEVSETTEST
2327	Q13765	43	ELEEQDSTQATTQ
2328	Q13765	166	PTVQEESEEEEVD
2329	Q13765	186	DIELVMSQANVSR
2330	Q13765	191	MSQANVSRAKAVR
2331	Q13765	203	RALKNNNSNDIVNA
2332	PODI83	13	PRDDVGSPRPRVI
2333	PODI83	78	ARVILGSPPRPRVI
2334	PODI83	87	PRVIVSSPWPAVV
2335	PODI83	96	PAVVVASPRPRTP
2336	PODI83	123	PRVIVGSPRARVA
2337	O60934	278	DTGITNSQTLIPD
2338	O60934	343	TPGPSLSQGVSVD
2339	O60934	397	QKFRMLSQDAPTV
2340	O60934	432	IPNYQLSPTKLPS
2341	O60934	615	PESSKISQENEIG
2342	Q09161	7	MSRRRHSDENDGG
2343	Q09161	22	HKRRKTS DANETE
2344	P14598	303	GAPPRRS SIRNAH
2345	P14598	304	APPRRSS SIRNAHS
2346	P14598	320	RSRKRLSQDAYRR
2347	P14598	328	DAYRRNSVRFLQQ
2348	P14598	345	ARPGPQSPGSIPLE
2349	P14598	348	GPQSPGSPLEER
2350	Q15080	315	QARGLPSQKRLF
2351	Q15788	22	SHKRKGSPCDTLA
2352	Q15788	372	REHSGLSPQDDTN
2353	Q15788	395	SVNPSISPAHGVA
2354	Q15788	517	NISTLSSPVGMTS
2355	Q15788	569	QMSSQNSPSRLNI
2356	Q15788	698	RLLQEGPSDITT
2357	Q15788	1033	PPRGAFSPGMGMQ
2358	Q15788	1185	TPPASTSPFSQLA
2359	Q9Y6Q9	214	LEDINASPEMRQR
2360	Q9Y6Q9	551	GPKLDNSPNMNT
2361	Q9Y6Q9	601	DKESKES SVEGAE
2362	Q9Y6Q9	728	VKQEQLSPKKKEN
2363	Q9Y6Q9	857	PYNRAVSLDSPVS
2364	Q9Y6Q9	860	RAVSLDS PVSVGS

2365	Q9Y6Q9	867	PVSVGSSPPVKNI
2366	Q14686	884	KDVTLTSPLLVNL
2367	O14777	69	GHGSRNSQLGIFS
2368	O14777	165	GYPFALSKSSMYT
2369	Q92597	326	MTRLMRSRTASGS
2370	Q92597	330	MRSRTASGSSVTS
2371	Q92597	332	SRTASGSSVTSLD
2372	Q92597	333	RTASGSSVTSLDG
2373	Q92597	336	SGSSVTSLDGTRS
2374	Q92597	364	EGTRRSRSHTSEGA
2375	Q96PU5	342	SRLRSCSVTDAVA
2376	Q96PU5	446	QIRRPRSLLSPTV
2377	Q96PU5	448	RRPRSLSSPTVTLS
2378	Q96PU5	449	RPRSLSSPTVTLS
2379	Q96PU5	464	LEGAKDSPVRRAV
2380	Q96PU5	479	TLSNPQSPQPSPY
2381	Q96PU5	483	PQSPQPSPYNSPK
2382	Q96PU5	487	QPSPYNSPKPQHK
2383	Q8NHV4	397	KNQDFSSFDDTGK
2384	Q8NHV4	411	SLGDMFSPIRDDA
2385	Q8NHV4	426	NKGSDESIGKGDG
2386	Q8NHV4	516	SGNLNTSPSSNQT
2387	Q8NHV4	637	SLLERYSVNEGLV
2388	P51955	171	ILNHDTFAKTFV
2389	P51955	241	RIPYRYSDELNEI
2390	P51955	296	LGEPEKSQDSSPV
2391	P51955	356	NLLKNYSLLKERK
2392	P51955	365	KERKFLSLASNPE
2393	P51955	387	KKKVHFSGESKEN
2394	P51955	390	VHFSGESKENIMR
2395	P51955	397	KENIMRSENSESEQ
2396	P51955	402	RSENSESQLTSKS
2397	P51955	406	SESQLTSKSKCKD
2398	P51955	428	LRAQALS DIEKNY
2399	P51955	438	KNYQLKS RQILGM
2400	Q8NG66	273	MLNKNPSLRPSAI
2401	Q9HC98	37	RHPNTLSFRCSLA
2402	Q9HC98	206	ETTAAHSLVGTPY
2403	Q9Y6K9	31	DVLGEESPLGKPA
2404	Q9Y6K9	43	AMLHLPSEQGAPE
2405	Q9Y6K9	68	RDAIRQSNQILRE
2406	Q9Y6K9	85	LLHFQASQREEKE
2407	Q9Y6K9	376	PAPAYLSSPLALP
2408	Q9Y6K9	387	LPSQRSSPPEEPP
2409	Q16236	40	REVFDFTSQRKEY
2410	Q16236	215	ETTMVPSPEAKLT
2411	095644	245	STSPRASVTEESW
2412	095644	269	CNKRKYSLNGRQP
2413	095644	294	HGSPRVSVTDDSW
2414	Q14934	168	GGGAFFSPSPGSS
2415	Q14934	170	GAFFSPSPGSSL
2416	Q14934	213	SRFGLGSPPLSPR
2417	Q14934	217	LGSPLPSPRASPR
2418	Q14934	289	ALSRRGSLGEEGS
2419	Q14934	344	AVALPRSEEPASC
2420	094916	120	VSNRGVSEKQLTS
2421	094916	134	TVQQHPSTPKRHT
2422	094916	155	EDLLDNSRMSCQD

2423	P19838	337	VQLRRKSDLETSE
2424	P19838	892	EVIQAASSPVKTT
2425	P19838	903	TTSQAHSLPLSPA
2426	P19838	907	AHSLPLSPASTRQ
2427	P19838	927	SDSVCDSGVETSF
2428	P19838	932	DSGVETSFRKLSF
2429	P19838	937	TSFRKLSFTESLT
2430	Q00653	713	SPPTSDSDSEG
2431	Q00653	715	PTSDSDSDSEGPE
2432	Q00653	717	SDSDSDSEGPEKD
2433	Q00653	866	AEVKEDSAYGSQS
2434	Q00653	870	EDSAYGSQSVEQE
2435	O14745	46	RLVEPGSPAEKAG
2436	O14745	162	TMKKGPSGYGFNL
2437	O14745	269	EIQKENSREALAE
2438	O14745	280	AEAALESPRPALV
2439	O14745	290	ALVRSASSDTSEE
2440	O14745	291	LVRSASSDTSEEL
2441	O14745	294	SASSDTSEELNSQ
2442	O14745	302	ELNSQDSDPKQDS
2443	Q96TA1	568	HNLRYRDSMVMHNS
2444	Q96TA1	574	SMVMHNSDPNLHL
2445	Q96TA1	601	NSGGGGSPSPSTP
2446	Q96TA1	603	GGGGSPSPSTPES
2447	Q96TA1	609	SPSTPESATLSEK
2448	Q96TA1	624	RAKQVVSVVQDEE
2449	Q96TA1	638	GLPFEASPESPPP
2450	Q96TA1	641	FEASPESPPPASP
2451	Q96TA1	646	ESPPPASPDGVTE
2452	Q96TA1	665	QGLRPESPAPPAGP
2453	Q96TA1	681	GAPAGESPQPKAA
2454	Q96TA1	692	AAPEASSPPASPL
2455	Q96TA1	696	ASSPPASPLQHLL
2456	Q86WB0	24	WGAVVRSPEGTPQ
2457	Q86WB0	58	TSATSQSUNGSPQ
2458	Q86WB0	62	SQSVNGSPQAEQP
2459	Q86WB0	321	LPLVPESPRRMMT
2460	Q86WB0	329	RRMMTRSQDATEFS
2461	Q86WB0	335	SQDATFSPGSEQA
2462	Q86WB0	338	ATFSPGSEQAEKS
2463	Q86WB0	344	SEQAEKSPGPPIVS
2464	Q86WB0	354	IVSRTRSDWSSSP
2465	Q86WB0	359	RSDWSSSPVDRPE
2466	Q86WB0	370	PEPEAASPTTRTR
2467	Q86WB0	395	GLEVPSSPLRKAK
2468	Q86WB0	407	KRARLCSSSSDT
2469	P29474	114	KLQGRPSPGPPAP
2470	P29474	633	RRKRKESSNTDSA
2471	P29474	638	ESSNTDSAGALGT
2472	P29474	836	EQLEKGSPGGPPP
2473	P29474	1177	SRIRTQSFLQER
2474	Q6P988	81	QSLYPCSAQQLNE
2475	Q86UR1	172	QVQRRGSLPPRQV
2476	Q86UR1	461	PAGPRMSGAPGRL
2477	Q14207	775	PTIILSSPTKSPT
2478	Q14207	779	LSSPTKSPTKNAE
2479	Q14207	1100	SFPNLDSPNVSST
2480	P06748	4	MMMEDSMDMDMS

2481	P06748	10	SMDMDMSPLRPQN
2482	P06748	70	AMNYEGSPIKVTL
2483	P06748	125	VEEDAESEDEEEE
2484	P06748	137	EDVKLLSISGKRS
2485	P06748	139	VKLLSISGKRSAP
2486	P06748	227	RSGQESFKQEK
2487	P06748	242	KTPKGPSVEDIK
2488	P06748	243	TPKGPSVEDIKA
2489	P06748	254	KAKMQASIEKGGS
2490	P06748	260	SIEKGGSILPKVEA
2491	P20393	55	PTYFPPSPTGSLT
2492	P20393	59	PPSPPTGSLTQDPA
2493	P22736	341	EVVRTDSLKGRRG
2494	P22736	351	RRGRLPSKPKQPP
2495	P10588	40	SPPGAASDAEPGD
2496	P10588	83	KSFFKRSIRRNL
2497	Q16656	39	TEHSMLSADEDSP
2498	Q16656	44	LSADEDSPPSPED
2499	Q16656	46	ADEDSPSSPEDTS
2500	Q16656	47	DEDSPSSPEDTSY
2501	Q16656	52	SSPEDTSYDDSDI
2502	Q08J23	139	RKILRKSPHLEKF
2503	Q08J23	456	RESTQLSPADLTE
2504	Q08J23	473	DPSKLESPSFTGT
2505	Q08J23	593	VWCRNNSGEEFDC
2506	Q08J23	724	TNESAASTGQPDN
2507	Q08J23	743	RAGEPNSPDAEEA
2508	Q08J23	751	DAEEANSPDVTAG
2509	O60285	22	GLGAPGSPREAVA
2510	O60285	455	EVPGKLSPKQSAT
2511	O60285	600	ARQRIRSCVSAEN
2512	Q02818	86	IKSGKLSRELDVF
2513	Q02818	369	AKAQRLSQETEAL
2514	Q9Y266	139	KNGSLDSPGKQDT
2515	Q9Y266	274	KINPENSKLSLD
2516	Q9Y266	326	HPEMDFSNAKFNN
2517	Q7Z417	112	ISLKNLSSDEATN
2518	Q7Z417	113	SLKNLSSDEATNP
2519	Q7Z417	212	GADNDGSGSESgy
2520	Q7Z417	214	DNDGSGSESgyTT
2521	Q7Z417	304	DMLRKSSDSKPGV
2522	Q7Z417	376	IQNSSVSPTSSSS
2523	Q7Z417	572	ELEKRTSPQVLGS
2524	Q7Z417	629	SQNPLASPTNTLL
2525	Q7Z417	637	TNTLLGSAKEQRY
2526	Q7Z417	652	GLERNDSWGSFDL
2527	Q7Z417	655	RNDSWGSFDLRAA
2528	Q7Z417	692	YNEAMDSPDQQQQ
2529	Q14980	162	VPSTCSSTFPEEL
2530	Q14980	169	TFPEELSPPSHQA
2531	Q14980	203	LSGSPASPMGDIL
2532	Q14980	271	NEKQAAASPLEPKE
2533	Q14980	388	ILQGKLSQLLEEHL
2534	Q14980	395	QLEEHLSQLQDNP
2535	Q14980	820	RERYEDSQQEEAQ
2536	Q14980	1187	SQSALASAQRELA
2537	Q14980	1225	EAERKNSLISSLE
2538	Q14980	1601	ELQAQLSQKEQAA

2539	Q14980	1721	KPQLDLSIDSSDL
2540	Q14980	1724	LDLSIDSLDLSC
2541	Q14980	1728	IDSLDLSCCEGTP
2542	Q14980	1757	VPGEPASPISQRL
2543	Q14980	1760	EPASPISQRLPPK
2544	Q14980	1769	LPPKVESLESLYF
2545	Q14980	1772	KVESLESLYFTPI
2546	Q14980	1788	SQAPLESLDLSLG
2547	Q14980	1789	QAPLESSLDLGD
2548	Q14980	1792	LESSLDSLGDVFL
2549	Q14980	1800	GDVFLLDSGRKTRS
2550	Q14980	1830	DVEEPDSANSSFY
2551	Q14980	1833	EPDSANSFYSTR
2552	Q14980	1834	PDSANSFYSTRS
2553	Q14980	1840	SFYSTRSAPASQA
2554	Q14980	1862	SLARLGSPDYGNS
2555	Q14980	1887	RSSARRSQAGVSS
2556	Q14980	1969	ETLRRASMQPIQI
2557	Q14980	1991	QQRKRVSLEPHQG
2558	Q14980	2003	GPGTPESKKATSC
2559	Q14980	2077	KALSKASPNTTRSG
2560	Q14980	2087	RSGTRRSPRIATT
2561	Q9BXS6	124	NHEKQESQDLRAT
2562	Q9BXS6	135	ATAKVPSPPDEHQ
2563	Q9BXS6	240	PPRGRLSVASTPI
2564	Q9BXS6	247	VASTPISQRRSQG
2565	Q9BXS6	276	LKRSAISAAKTGV
2566	Q9BXS6	311	SAHVTVSGGTPKG
2567	Q9BXS6	352	ATQTPVSNKKPVF
2568	Q16625	313	DVPSPPSDYVERV
2569	Q16625	321	YVERVDSPMAYSS
2570	Q16625	340	KRFYPESSYKSTP
2571	Q16625	369	FRQPRYSSEGNFE
2572	Q16625	370	RQPRYSSEGNFET
2573	Q16625	408	YTTGGESECDELEE
2574	Q16625	490	LKQVKGSADYKSK
2575	P08559	232	RYGMGTSVERAAC
2576	P08559	293	YRYHGHSMSPDPGV
2577	P08559	295	YHGHSMSDPGVSY
2578	P08559	300	MSDPGVSYRTREE
2579	Q96CV9	177	SGSSEDSEFVEIRM
2580	Q96CV9	198	VKEIKHSPGPTRT
2581	Q96CV9	342	ALERKNSAIPSEL
2582	P10451	24	PVKQADSGSSEEK
2583	P10451	26	KQADSGSSEEKQL
2584	P10451	27	QADSGSSEEKQLY
2585	P10451	62	APQNAVSSEETND
2586	P10451	63	PQNAVSSEETNDF
2587	P10451	76	KQETLPSKSNEWSH
2588	P10451	78	ETLPSKSNEWSHDH
2589	P10451	81	PSKSNESHDHMDD
2590	P10451	99	DDDHVDSQDSIDS
2591	P10451	102	HVDSDQSIDSNDS
2592	P10451	105	SQDSIDSNDSDDV
2593	P10451	108	SIDSNDSDDVDDT
2594	P10451	117	VDDTDDSHQSDES
2595	P10451	120	TDDSHQSDESHHS
2596	P10451	123	SHQSDESHHSDES

2597	P10451	126	SDESHHSDESDEL
2598	P10451	129	SHHSDESDELVTD
2599	P10451	191	TDEDITSHMESEE
2600	P10451	195	ITSHMSEELNGA
2601	P10451	215	QDLNAPS DWDSRG
2602	P10451	219	APSDWDSRGKDSY
2603	P10451	224	DSRGKDSYETSQL
2604	P10451	228	KDSYETSQLDDQS
2605	P10451	234	SQLDDQSAETHSH
2606	P10451	239	QSAETHSHKQSRL
2607	P10451	243	THSHKQSRLYKRK
2608	P10451	254	RKANDE SNEHSDV
2609	P10451	258	DESNEHS DVIDSQ
2610	P10451	263	HSDVIDSQELSKV
2611	P10451	267	IDSQELSKVSREF
2612	P10451	270	QELSKVSREFHSH
2613	P10451	275	VSREFHSHFHFHSH
2614	P10451	280	HSHEFHSHEDMLV
2615	P10451	291	LVVDPKSKEEDKH
2616	P10451	303	HLKFRI SHELDSA
2617	P10451	308	ISHELDSSASSEVN
2618	P10451	310	HELDSSASSEVN
2619	P10451	311	ELDSASSEVNNNN
2620	Q96G74	64	GARPRAS PPPQGP
2621	Q96G74	165	GAVGGGS PEREEV
2622	Q96G74	177	VGAGYNSEDEYEAE
2623	Q96G74	452	EEWTSRS PRQRSS
2624	P51575	387	RDLAATS STLGLQ
2625	P51575	388	DLAATSS TLGLQE
2626	000443	60	GFELSSSTRKKAQ
2627	000443	108	KLLLDDS FETKKT
2628	000443	259	VSNLQVS PKSEDI
2629	000443	327	RKVNGKS LSVATV
2630	000443	338	TVTRSQS LNIRTT
2631	P04637	9	EPQSDPS VEPPLS
2632	P04637	15	SVEPPLS QETFSD
2633	P04637	20	LSQETFS DLWKL
2634	P04637	33	PENNVLSP LPSQA
2635	P04637	37	VLSPLPS QAMDDL
2636	P04637	46	MDDLMLS PDDIEQ
2637	P04637	183	PHHERCS DSDGLA
2638	P04637	269	NLLGRNS FEVRVC
2639	P04637	315	PNNTSSSP QPKKK
2640	P04637	392	KTEGPDS DDDDDDD
2641	P47712	437	SNDSSDS DDESHE
2642	P47712	505	NTSYPLSP LSDFA
2643	P47712	727	QNPSRCSS VSLSNV
2644	P47712	729	PSRCSS VSLSNVEA
2645	Q9UQ80	2	MMMMMMSS GEDEQQ
2646	Q9UQ80	361	KALLQSS ASRKTQ
2647	Q6TGC4	10	VEGRAMSF QSI IH
2648	Q6TGC4	446	GSSFYPS AEGRAM
2649	Q15004	31	VLGSSTS ATNSTS
2650	Q15004	72	GEFFRLSP KDSEK
2651	Q13153	21	PPMRNTS TMIGAG
2652	Q13153	57	KDRFYRS ILPGDK
2653	Q13153	115	TSNITKSEQKKNP
2654	Q13153	144	NSQKYMS FTDKSA

2655	Q13153	149	MSFTDKSAEDYNS
2656	Q13153	174	PAVPPVSEDEDDD
2657	Q13153	199	RPEHTKSVYTRSV
2658	Q13153	204	KSVYTRSVIEPLP
2659	Q13153	220	TRDVATSPISTE
2660	Q13153	223	VATSPISTENNT
2661	O96013	41	LPRQWQSIEESA
2662	O96013	104	NSLRRDSPPPAPR
2663	O96013	148	SEAGGGSGDERRA
2664	O96013	167	KSSREGSGGPQES
2665	O96013	181	RDKRPLSGPDVGT
2666	O96013	195	QPAGLASGAKLAA
2667	O96013	258	RARGAPS PGVLGP
2668	O96013	267	VLGPHASEPQLAP
2669	O96013	291	GPPGPRS PQREPQ
2670	O96013	474	EVPRRKSLVGTPY
2671	Q8WX93	401	LTIGSSSPKTGVT
2672	Q8WX93	684	PPPAPRS APPSPP
2673	Q8WX93	688	PRSAPPSPFPPP
2674	Q8WX93	893	RTARIASDEEIQG
2675	Q8WX93	979	EYRLERS PVDESG
2676	Q8WX93	984	RSPVDES GDEVQY
2677	Q8WX93	1101	VNQRGRSPRSPSG
2678	Q8WX93	1104	RGRSPRS PSGHPH
2679	Q8WX93	1106	RSPRSPSGHPHVR
2680	Q8WX93	1116	HVRRPRSRSDSG
2681	Q8WX93	1118	RRPRSRSDSGDE
2682	Q8WX93	1121	RSRSRDS GDENEPE
2683	Q8TEW0	25	GHMKVFS LIQQAV
2684	Q8TEW0	383	YYSSRFS PDSQYI
2685	Q8TEW0	692	KCNELKS PGSPPG
2686	Q8TEW0	695	ELKSPGS PPGPEL
2687	Q8TEW0	728	IEGLDES PSRNAA
2688	Q8TEW0	809	SADCSSL PDVDPV
2689	Q8TEW0	827	EGFGRQSMSEKRT
2690	Q8TEW0	852	KTRKSKSMDLGIA
2691	Q8TEW0	873	DDQKAGSPSRDVG
2692	Q8TEW0	962	SRSGRE SVSTASD
2693	Q86W56	133	ENVSQLSLDKSPT
2694	Q86W56	137	QLSLDKSPTEKST
2695	Q86W56	197	PQNDDHS DTDSEE
2696	Q86W56	261	IDVVPE SPLSDVG
2697	Q86W56	264	VPESPLS DVGSED
2698	Q86W56	291	ESCLGNSSPPFEKE
2699	Q86W56	298	PPFEKE SEPESPM
2700	Q86W56	302	KESEPE SPLVDN
2701	Q9H300	65	KVEPRRSDPGTSG
2702	Q9H300	70	RSDPGTS GEAYKR
2703	O95453	163	GALSYVS PNTSKC
2704	O95453	557	HYYRNNS FTAPST
2705	O95453	619	RMKKELSPAGSIS
2706	O95453	623	ELSPAGS ISKNSP
2707	O95453	628	GSISKNS PATLFE
2708	P23760	201	RASAPQS DEGSDI
2709	P23760	205	PQSDEGS DIDSEP
2710	P23760	209	EGSDIDSEPDPLPL
2711	P49023	83	IHQQPQS SSSPVYG
2712	P49023	85	QQPOQSS SPVYGSS

2713	P49023	106	PQDSVGSPCSRVG
2714	P49023	119	EEEHVYSFPNKQK
2715	P49023	126	FPNQKQS AEPSP T
2716	P49023	130	QKSAEPSPTVMST
2717	P49023	137	PTVMSTS LGSNLS
2718	P49023	143	SLGSNLS ELDRLL
2719	P49023	244	NQGEMSSPQRVTS
2720	P49023	322	GKTGSSSPPGGPP
2721	P49023	533	YHERRGS LCGCQ
2722	Q9BYE7	30	PPP PVS PPALTP
2723	Q9BYE7	115	EGGRQDSEDEER
2724	Q8NBP7	47	LVLALRS EEDGLA
2725	Q8NBP7	688	RHLAQAS QELQQQ
2726	Q9Y365	253	LALSEL SVQHADS
2727	Q9Y365	259	SVQHADS LENIDE
2728	Q9Y365	284	GAGGE GS DDDTSL
2729	Q53EL6	67	RRLRKNS SRD SGR
2730	Q53EL6	68	RLRKNS SRD SGRG
2731	Q53EL6	71	KNSSRD S GRGDSV
2732	Q53EL6	76	DSGRGD S VSDSGS
2733	Q53EL6	78	GRGDSV S DSGSDA
2734	Q53EL6	80	GDSVSD S GSDALR
2735	Q53EL6	94	GLTVPT S PKG RLL
2736	Q53EL6	313	GGKRKD S VWGSGG
2737	Q53EL6	317	KDSVWG S GGGQQS
2738	Q53EL6	457	GRKRFV S EGD GGR
2739	P27815	152	FLYRSD S DYDMSP
2740	P27815	165	KTMSRNS SVTSEA
2741	P27815	686	YSAIRQ S PSPPPE
2742	P27815	688	AIRQSP S PPPEEE
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2744	O60658	359	KDRRKGS LDVKAV
2745	O60658	457	DGLRRL S GNEYVL
2746	Q15084	129	IVDAAL S ALRQLV
2747	Q15084	156	KQGRSD S SSKKDV
2748	Q15084	428	EDDIDL S DVELDD
2749	Q9BY77	5	MMMA DI S LDELIR
2750	Q9BY77	127	ISLKRS S PAAFIN
2751	Q9BY77	275	AAEPVL S PLEGTK
2752	Q9BY77	383	LPRRVN S ASSSNP
2753	Q9BY77	385	RRVNSA S SSNP A
2754	O15530	25	VLCSCP S PSMVRT
2755	O15530	241	KQARAN S FVGTAQ
2756	O15530	393	QVSSSS S SHLSA
2757	O15530	394	VSSSSSS S HSL SAS
2758	O15530	396	SSSSHS S LSASDT
2759	O15530	398	SSSHSL S ASDTGL
2760	O15530	410	LPQRSG S NIEQYI
2761	O15530	501	KGEIPW S QELRPE
2762	O15530	529	YYLMDP S GN AHW
2763	P52945	268	PPGLS A S PQPSSV
2764	P35408	374	RTSSAM S GHRSRF
2765	P35408	377	SAMSGH S RSFISR
2766	P35408	379	MSGHSR S FISREL
2767	P35408	382	HSRSFI S RELKEI
2768	Q5VY43	953	KGPPSG S PPRQPP
2769	Q5VY43	1029	PVRHPP S PPLRRQ
2770	P36955	24	SCQNPAS PPEEGS

2771	P36955	114	LYYDLISSPDIHG
2772	P36955	227	FDSRKTSLEDFYL
2773	O15055	527	NKTKNRSHYSHES
2774	O15055	530	KNRSHYSHESGEQ
2775	O15055	533	SHYSHESGEQKKK
2776	O15055	540	GEQKKKSVTEMQT
2777	O15055	662	LPGKAESVASLTS
2778	O15055	696	MVEDAASGPESLD
2779	O15055	700	AASGPESLDCLAG
2780	O15055	714	ALACGLSQEKEPF
2781	O15055	766	YYLQERSKGQPSE
2782	O15055	771	RSKGQPSERTAPG
2783	O15055	945	SEMASASQPEFPS
2784	O15055	977	SAMGRASPPLFQS
2785	O15055	1124	NTGMEESEHFIKC
2786	O00264	54	GDQPAASGDSDDD
2787	O00264	57	PAASGDSDDDEPP
2788	O00264	181	EEPTVYSDEEFPK
2789	Q96PD5	239	RGSQTQSHPDLGT
2790	P00439	16	GLGRKLSDFGQET
2791	O75151	474	EKEEPSPIEATP
2792	O75151	539	KSRESASPTIPNL
2793	O75151	681	DEYEYVSDDGELK
2794	O75151	705	APKRDLSSLFLDKK
2795	O75151	882	VYPSLESDEDNPI
2796	O75151	899	SKKRKGSSDAPYS
2797	O75151	1056	LTQRRPSASSPNN
2798	Q9UPP1	69	QDWFHGSFCVGVEE
2799	Q9UPP1	120	KPVKTGSPTFVRE
2800	Q9UPP1	651	DEFDLDSDELQI
2801	Q9UPP1	804	LGTVSNSPASQRT
2802	Q9UPP1	854	AEYIYPSLESDDD
2803	Q9UPP1	857	IYPSLESDDDDPA
2804	Q9UPP1	880	SDDAPWSPKARVT
2805	Q13371	25	SSEDEDSDHEDKD
2806	Q13371	293	NSATCHSESDILE
2807	Q13371	296	TCHSEDSDLEIDD
2808	Q9UBF8	258	RELPSLSPAPDTG
2809	Q9UBF8	266	APDTGLSPSKRTH
2810	Q9UBF8	277	THQRSKSDATASI
2811	Q9UBF8	294	NLKRTASNPKVEN
2812	Q9UBF8	428	RIRSTRSVENLPE
2813	Q9UBF8	511	DIRRRLSSEQLAHT
2814	O60331	650	ERSWVYSPLHYSA
2815	Q9HB75	299	NPLGEASPDAPSS
2816	Q9HB75	305	SPDAPSSPVAALI
2817	P11309	99	LLSKINSLAHLRA
2818	P11309	189	LLKKVSSGFSGVI
2819	P11309	352	FRQRVSSSECQHLI
2820	Q13526	71	SQSRRPSSWRQEK
2821	Q13526	108	DFESLASQFSDCS
2822	Q9Y237	19	GKGGAAASGSDSAD
2823	Q9BXM7	228	WNISAGSSSEAIL
2824	Q9BXM7	402	LQLPFSSWYVDRG
2825	O00562	382	FIDAFASPVEAEG
2826	O00562	600	MNNELLSPFEGPV
2827	O00562	621	EGLGRGSPEPSAL
2828	O00562	896	EEPSIYSPAFAFPRE

2829	O43164	309	EKNHGSSPEQVVR
2830	O43164	323	KVRKLISSSQVDQ
2831	O43164	342	HEAKQRSVQRWRE
2832	O43164	432	EDSSECSDGEWSA
2833	P42338	1070	VRKDYRSSSSSS
2834	P48736	1101	KQGEKHSAAAAAA
2835	P98161	4166	PLPSRSSRGSKVS
2836	P19174	1221	KENGDLSPFSGTS
2837	P19174	1248	GRAREGSFESRYQ
2838	Q15149	125	VQGPLGSPPKRGP
2839	Q15149	149	KELEEVSPETPVV
2840	Q15149	720	SDEGQLSPATRGA
2841	Q15149	1047	QLIRSWSLATFRT
2842	Q15149	1435	QLEPVASPAKKPK
2843	Q15149	1721	LQSKRASFAEKTA
2844	Q15149	1732	TAQLERSLQEEHV
2845	Q15149	2631	TQALQQSFLSEKD
2846	Q15149	2782	EAEP EHSSFDGLRR
2847	Q15149	2802	QEAGILSAEELQR
2848	Q15149	3036	ELVYTDSEARDVF
2849	Q15149	4054	LREGLTSIEVTK
2850	Q15149	4382	NAGGFRSRSSSVG
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2852	Q15149	4385	GFRSRSSVGSSS
2853	Q15149	4386	FRSRSSSVGSSS
2854	Q15149	4389	RSSVGSSSSYPI
2855	Q15149	4390	SSVGSSSSYPI
2856	Q15149	4391	SSVGSSSYPISP
2857	Q15149	4392	SVGSSSYPISPA
2858	Q15149	4396	SSSYPISPAVSRT
2859	Q15149	4400	PISP AVSRTQLAS
2860	Q15149	4613	STKGYYSPYSVSG
2861	Q15149	4616	GYYS PVSGSGS
2862	Q15149	4618	YSPY SVSGSGSTA
2863	Q15149	4622	SVSGSGTAGSRT
2864	Q15149	4626	SGSTAGSRTGSRT
2865	Q15149	4642	AGSRRGSFDATGS
2866	Q15149	4675	ASGSSASLGGPES
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2869	P53350	103	KMSMEISIHRSLA
2870	P53350	137	ELCRRRSLL ELHK
2871	P53350	269	IKKNEYSI PKHIN
2872	P53350	335	PSSLDP SNRKPLT
2873	P53350	375	VVDCHLS DMLQQL
2874	P53350	450	LYNDGDSLQYIER
2875	P00747	597	SWPWQVSLRTTRFG
2876	P00747	688	IPACLPS PNYVVA
2877	O00168	83	EGTFRSSIRRLST
2878	O00168	88	SSIRRLS TRRRRR
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2880	Q96AD5	404	ELRRVQSLPSVPL
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2882	P13796	5	MMMARCS VSDEEM
2883	P13796	7	MARGSVS DEEMME
2884	P13796	30	DGNGYIS FNELND
2885	P13796	257	LLREGE SLEDLMK
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2887	P13796	406	FRNWMNSLGVNPR
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2889	P29590	36	SEGRQPSPPSPPT
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2891	P29590	40	QPSPSPSPTERAP
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2897	P29590	527	HLDGPPSPRSPVI
2898	P29590	530	GPPSPRSPIVGSE
2899	P29590	535	RSPVIGSEVFILPN
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2902	Q99640	120	SRLGHGS YGEVFK
2903	Q99640	160	KLAEVGS HEKVGQ
2904	Q99640	426	SLLLDS SLSSNWD
2905	Q99640	469	RDALDLSDINSEP
2906	Q99640	473	DLS DINSEPPRGS
2907	P14859	283	PSLEEPS DLEELE
2908	P14859	385	RRKKRTS IETNIR
2909	P14859	448	SGGTSS SPIKAIF
2910	Q01860	111	SNSDGAS PEPCTV
2911	Q01860	236	RKRKRTS IENRVR
2912	Q01860	289	QKGKRSS SDYAQR
2913	Q01860	290	KGKRSS SDYAQRE
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2915	P26678	16	SAIRRAS TIEMPQ
2916	Q6ZSY5	14	EPPLRH SAPPSPA
2917	Q6ZSY5	18	RHSAPP SPAAGEP
2918	Q6ZSY5	420	AIRIPPS SPLCGL
2919	Q6ZSY5	421	IRIPPS SPLCGLG
2920	P02812	24	NLNEDVS QEESPS
2921	P02812	52	KPQGPPS PPGKPQ
2922	P02812	113	KSRSPRS PPGKPQ
2923	P02812	172	GDNKSRS SRSPPG
2924	O43663	195	DHTPDT S FERDVV
2925	O43663	265	AVATIMS GSKAKV
2926	O43663	501	NATANSS IRPIFG
2927	O43663	513	GGTVYHS PVSRLP
2928	O43663	571	PLQRNF S INSVAS
2929	O43663	592	PSLSDSS TVGLQR
2930	O43663	615	TSGILNS TNIQSS
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2935	P06401	162	ATQRVL S PLMSRS
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2937	P06401	213	GAPVKPS PQAAAV
2938	P06401	294	PMAPGRS SPLATT
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2941	P06401	676	SQRFTFS PGQDIQ
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2943	P78527	2056	QSYSYSS QDPRPA
2944	P78527	2612	FVETQAS QGTLQT

2945	P78527	3205	PLPEDNSMNVDQD
2946	P78527	4026	MLKKGGSWIQEIN
2947	Q75569	18	PLEREDSGTFSLG
2948	Q75569	246	DYIQLLSEIAKEQ
2949	Q75569	287	ITVCHGSGISCGN
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2951	P01236	54	DRAVVLSHYIHNL
2952	P01236	62	YIHNLSSEMSEF
2953	P01236	118	IVSILRSWNEPLY
2954	P01236	163	GMELIVSQVHPET
2955	P01236	194	DEESRLSAYYNLL
2956	P04070	347	GWGYHSSREKEAK
2957	P07737	85	LQDGEOFMDLRTK
2958	P07737	138	ASHLRRSQYYYYY
2959	O95084	109	IYILSSSGDGAQH
2960	Q86WR7	43	SSRSRSFTLDDE
2961	Q86WR7	166	APPPLPSTPDPPR
2962	Q86WR7	179	RELRAPSPPVVEHP
2963	Q86WR7	212	AGNEALSPTSPFR
2964	Q86WR7	215	EALSPSTSFPREGR
2965	P25788	243	EKYAKESLKEEDE
2966	P25788	250	LKEEDESDDDNMM
2967	P61289	24	FRERITSSEAEDLV
2968	P61289	247	KIKRPRSNSAETL
2969	P49768	43	EHNDRRSLGHPEP
2970	P49768	310	EAQRRTSKNSKYN
2971	P49768	346	WEAQRDSSLHGPHR
2972	P49768	367	VQELSSSILAGED
2973	P60484	370	SVTPDVSNDNEPDH
2974	P60484	380	PDHYRYSDDTDSD
2975	P60484	385	YSDTTDSDPENEPE
2976	P06454	2	MMMMMSDAAVDT
2977	P06454	9	DAAVDTSEITTK
2978	P06454	10	AAVDTSSSEITTKD
2979	P18031	50	NRYRDVSFPDHRS
2980	P18031	242	DKRKDPSSVDIKK
2981	P18031	243	KRKDPSSVDIKK
2982	P18031	352	IKEEKGSPLNAAP
2983	P18031	378	SRVVGGSLRGAQA
2984	P18031	386	RGAQAAASPAKGEPE
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2986	Q9Y2R2	635	EEAGEFSPNVPKS
2987	Q9Y2R2	684	KLRSPKSELHQDR
2988	Q9Y2R2	692	LHQDRSSPPPPLP
2989	P54829	245	LQERRGNSVSLTL
2990	P54829	268	GFGYLMSPREESA
2991	P35236	44	LQERRGNSVALML
2992	P35236	93	LQRQPPSPKQLEE
2993	P35236	143	CLGRAQSQEDGDY
2994	Q03393	19	QVSRRISFSASHR
2995	Q6NZI2	36	QAAEEPSGAGSEE
2996	Q6NZI2	40	EPSEGAGSEELIKS
2997	Q6NZI2	118	EKVRKVSVNVKTV
2998	Q6NZI2	167	KLPAKLSISKSLK
2999	Q6NZI2	169	PAKLSISKSLKES
3000	Q6NZI2	202	AAALELSDEAVE
3001	Q6NZI2	203	AAALELSSDEAVEV
3002	Q6NZI2	300	RDCLRKSFTPDV

3003	Q6NZI2	365	GDLRRGSSPDVHA
3004	Q6NZI2	366	DLRRGSSPDVHAL
3005	Q6NZI2	379	LEITEESDAVLVD
3006	Q6NZI2	387	AVLVDKSDDDDDD
3007	Q6NZI2	389	LVDKSDSDDDDDD
3008	O95997	165	FQLGPPSPVKMPS
3009	Q14671	19	LWQDSFSPHLKHH
3010	Q14671	75	IGVAGRSQDDAMV
3011	Q14671	98	QLGGGGSGGGGYN
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3013	Q14671	124	AEHQVRSMDELNH
3014	Q14671	209	EVNSVLSPRSESG
3015	Q14671	229	EYVLSSSPGDSCl
3016	Q14671	709	SGSRRDSSLTGSSD
3017	Q14671	714	DSL TGSSDLYKRT
3018	Q14671	806	SASSLFSPSSTLF
3019	P06737	15	EKRRQISIRGIVG
3020	P06737	639	NDPMVGSKLKVI
3021	P27708	1406	AGGRRLSFVTKG
3022	P27708	1859	PRIHRAEDPGGLPA
3023	P27708	1873	EPKEKSSSRKVAEP
3024	P27708	1900	PVPRQASPQNLGT
3025	O00391	426	RQNVDHSQEAAKA
3026	P20338	204	ALRQLRSPRRAQA
3027	O75943	646	TWSLPLSQNSASE
3028	O75943	656	ASELPASQPQPFS
3029	Q99638	272	SDTDSHSQDLGSP
3030	Q99638	277	HSQDLGS PERHQ
3031	Q99638	328	LPSISLSPGPQPP
3032	Q99638	341	KSPGPHSEEDEA
3033	Q99638	375	ILAPVRS PQGPSP
3034	Q99638	380	RSPQGPS PVLAED
3035	Q99638	387	PVLAEDSEGEEGGG
3036	P46060	358	KVLASLS DDEDEEE
3037	P46060	428	PAPVLSS PPPADV
3038	P46060	435	PPPADVSTFLAFP
3039	P46060	442	TFLAFPSPEKLLR
3040	Q9UKM9	106	GLKRAASAIYSGY
3041	Q9UKM9	135	DYRGRLSPVPVPR
3042	Q9UKM9	264	PQENTTSEAGLPQ
3043	Q9UKM9	288	EGLLTHSSEELEH
3044	Q9UKM9	295	EEELEHSQDTDAD
3045	P10276	77	IVPSPPSPPLPR
3046	P10276	96	VCQDKSSGYHYGV
3047	P10276	219	SSEQRVSLDIDLW
3048	P10276	369	VRKRRPSPRHMF
3049	Q15291	350	EYEERESFEDIED
3050	Q15291	388	PIAACFCSSDEELE
3051	Q15291	389	IAAFCSSDEELED
3052	Q15291	497	KGKEKDSPFKPKL
3053	Q15291	525	KVQAELSQPLTAG
3054	P28749	640	RDMQPLSPISVHE
3055	P28749	650	VHERYSSPTAGSA
3056	P28749	749	QESKVKS PVSITA
3057	P28749	762	HSLIGASPKQTNL
3058	P28749	964	MDAPPLSPFPHIK
3059	P28749	975	IKQQPGSPRRISQ
3060	P28749	988	QHSIYIISPHKNNGS

3061	P28749	1009	LYKFNGS S PSKSLK
3062	P28749	1041	IDSDAES S PAKRVC
3063	Q08999	639	EICIAGS S PLTPRR
3064	Q08999	662	LGRSITS S PTTLYD
3065	Q08999	672	LYDRYSS S PASTT
3066	Q08999	948	GSSDSRS S HQNSPT
3067	Q08999	952	SRSHQNS S PTELNK
3068	Q08999	966	RTSRDSS S PVMRSS
3069	Q08999	971	SSPVMRS S SSTLPV
3070	Q08999	972	SPVMR S STLPVP
3071	Q08999	973	PVMRSS S STLPVPQ
3072	Q08999	981	LPVPQP S SAPPTP
3073	Q08999	982	PVPQP S SAPPTPT
3074	Q08999	1035	MDAPPLS S PYPFVR
3075	P49756	583	IKQEPE S EEEEEE
3076	P49756	677	KLGASNS S PGQPNS
3077	P49756	683	SPGQPNS S VKRKKL
3078	P49756	703	KFEDED S DDVPRK
3079	Q9BWF3	309	YYGRDRS S PLRRAT
3080	P06400	37	EDPEQDS S GPEDLP
3081	P06400	249	VIPINGS S PRTPRR
3082	P06400	567	LAWLSDS S PLFDLI
3083	P06400	612	YLSPVRS S PKKKGS
3084	P06400	795	PYKFPSS S PLRIPG
3085	P06400	807	GGNIYIS S PLKSPY
3086	P06400	811	YISPLKS S PYKISE
3087	P18754	2	MMMMMM S PKRIAK
3088	P18754	11	RIAKRRS S PPADAI
3089	Q15293	55	PPEDNQS S FQYDHE
3090	Q15293	80	QLTPDES S KERLGK
3091	Q04864	267	MQLRRPS S DQEVS
3092	Q04864	503	NMMTTSS S DSMGET
3093	Q92900	10	EAYGPSS S QTLTFL
3094	Q92900	31	GADTQGS S EFEFTD
3095	Q92900	1089	LSQPELS S QDSYLG
3096	Q92900	1107	QIDVALS S QDSTYQ
3097	Q92900	1110	VALSQDS S TYQGER
3098	Q92900	1127	GGVTGLS S QYYYYYY
3099	P15927	4	MMMMWNS S GFESYG
3100	P15927	8	WNSGFES S YGSSSY
3101	P15927	23	AGGYTQS S PGGFGS
3102	P15927	29	SPGGFGS S PAPSQA
3103	P15927	33	FGSPAPS S QAEKKS
3104	Q7L804	227	RLSSAH S MSDLSG
3105	075154	102	PRGQLAS S PDAPGP
3106	075154	281	CYGGVA S AQDEEP
3107	075154	348	ADSAGGS S AVPSEC
3108	075154	488	ATGEQHS S RLRQEN
3109	075154	538	KMEREKS S IEIENL
3110	075154	647	QRRGRSS S SMGLQE
3111	075154	648	RRGRRSS S SMGLQEY
3112	Q6PCD5	46	PADVVS S QGVPSI
3113	Q6PCD5	63	PAEVISS S QATPPL
3114	Q9H0H5	149	LSTIDES S GSILSD
3115	Q9H0H5	154	ESGSILS S DISFDK
3116	Q9H0H5	157	SILSDIS S FDKTDE
3117	Q9H0H5	164	FDKTDES S LDWDSS
3118	Q9H0H5	170	SLWDWSS S LVKTFK

3119	Q9H0H5	203	PVKKTRSIGSAVD
3120	Q9H0H5	206	KTRSIGSAVDQGN
3121	Q9H0H5	214	VDQGNE\$IVAKTT
3122	Q9H0H5	257	TLQPWNSDSTLNS
3123	Q9H0H5	387	TGLYRISGCDRTV
3124	Q9H0H5	410	KTVPLLSKVDDIH
3125	Q9H0H5	600	LSQRVRSTLTKNT
3126	Q2PPJ7	486	SWGRTYSFTSAMS
3127	Q2PPJ7	696	TVGRSFSLSWRSH
3128	Q2PPJ7	820	ILVRRSSSPAELD
3129	Q2PPJ7	821	LVRRSSSPAELDL
3130	Q2PPJ7	1593	TSQGQPSPVEPRG
3131	O14827	737	LAVSRTSPVRAR
3132	O14827	746	VRARKLSSLTSPLN
3133	Q9NS28	49	EKNRNLSSLVQKP
3134	P49795	24	DRPPSMSHDTAS
3135	P49795	97	FDKLMHS\$PAGRSV
3136	P49795	151	DYVSI\$SPKEVSL
3137	P49802	434	KLMKSDSYPRFIR
3138	Q8N264	391	SSMNNG\$PTALSG
3139	Q8N264	402	SGSKTN\$PKNSVH
3140	Q8N264	413	VHKLDV\$RSPPPLM
3141	Q8N264	415	KLDVSR\$PPLMVK
3142	Q8N264	437	GIVTNG\$FSSSSNA
3143	Q13671	3	MMMMME\$PGESGA
3144	Q13671	16	GSPGAPS\$PSSFTT
3145	Q13671	210	PQLKARS\$PQE LDQ
3146	Q13671	258	ETSSPLS\$PPAVPP
3147	Q13671	333	VPGSRGS\$PATSPH
3148	Q13671	337	RGSPAT\$PHLGRR
3149	Q13671	351	PLLRSMSAAFCSL
3150	Q13671	609	VQELRR\$LSLWEQ
3151	Q13546	6	MMQPDM\$LNVIKM
3152	Q13546	20	SSDFLE\$SAELDSG
3153	Q13546	25	ESAELDS\$GGFGKV
3154	Q13546	161	ADLGLAS\$FKMW SK
3155	Q13546	166	ASF KMW\$KLNNEE
3156	Q13546	303	VEEDVKS\$LKKEYS
3157	Q13546	320	VVKRMQS\$LQLDCV
3158	Q13546	333	AVPSSRS\$NSATEQ
3159	O43353	168	IADFGL\$KWRMMS
3160	O43353	176	WRMMSL\$QSRSSK
3161	O43353	363	SPETSRS\$LPAPQD
3162	O43353	393	HCPGNHS\$WDSTIS
3163	O43353	527	PEILVV\$RSPSLN
3164	O43353	529	ILVVSRS\$PSLNILL
3165	O43353	531	VVSRS\$PSLNLLQN
3166	O43353	539	NLLQNK\$MMMMMM
3167	Q9Y572	2	MMMMMM\$CVKLWP
3168	Q9Y572	164	LADFGL\$TFQGGS
3169	Q9Y572	199	NVNRKAS\$TASDVY
3170	Q9Y572	227	ELPTEP\$LVYEAV
3171	Q9Y572	299	NMNAAV\$TVKDFL
3172	Q9Y572	389	WTAGTSS\$DSMAQP
3173	Q15835	5	MMMDFG\$LETVVA
3174	Q15835	21	FIAARG\$FDGSSS
3175	Q15835	491	QDVGAF\$TVKGVA
3176	P40429	77	YHFRAPS\$RIFWRT

3177	P05386	101	EAKKEESEESDDD
3178	P05387	17	ALGGNSSPSAKDI
3179	P05387	79	VSAAPGSAAPAAAG
3180	P05387	86	AAPAAGSAPAAAE
3181	P05387	102	DEKKEESEESDDD
3182	P05387	105	KEESEESDDDMGF
3183	Q94763	372	KRKRKNSTGSGHS
3184	Q15287	53	GATKESSEKDRGR
3185	Q15287	155	KERKRRSPSPKPT
3186	Q15287	157	RKRRSPSPKPTKV
3187	Q16518	117	PCKNIFSRFFSYF
3188	Q684P5	7	MFGRKRSVSFGGF
3189	Q684P5	45	LPDRPLSPPLTAP
3190	Q684P5	544	VTKTTFSPPVVAA
3191	Q684P5	558	VKNQSRSPIKRRS
3192	Q684P5	564	SPIKRRSGLFPR
3193	Q8N122	696	KNYALPSPATTEG
3194	Q8N122	719	CTPRLRSVSSYGN
3195	Q8N122	721	PRLRSVSSYGNIR
3196	Q8N122	722	RLRSVSSYGNIRA
3197	Q8N122	738	ARSLNKSLONL
3198	Q8N122	792	KMRRASSYSSLNS
3199	Q8N122	855	RVLDTSSLTQSAP
3200	Q8N122	859	TSSLTQSAPASPT
3201	Q8N122	863	TQSAPASPTNKGV
3202	Q8N122	877	IHQAGGSPPASST
3203	P62979	65	YNIQKESTLHLVL
3204	P23396	6	MMAVQISKKRKFV
3205	P23396	209	PLPDHVSIVEPKD
3206	P23396	224	LPTTPISEQKGGK
3207	P62753	235	AKRRRLSSLRAST
3208	P62753	236	KRRRLSSLRASTS
3209	P62753	240	LSSLRASTSKSES
3210	P62753	242	SLRASTSKESESSQ
3211	P62753	244	RASTSKSESSQKK
3212	P62753	247	TSKSESSQKKKK
3213	Q9NQC3	7	MEDLDQSPLVSSS
3214	Q9NQC3	15	LVSSSDSPRPQP
3215	Q9NQC3	107	APERQPSWDPSPV
3216	Q9NQC3	152	PPPASVSPQAEPV
3217	Q9NQC3	181	APKRRGSSGSVDE
3218	Q9NQC3	182	PKRRGSSGSVDET
3219	Q9NQC3	361	KEDEVVSEKAKD
3220	Q9NQC3	511	VTEKNTSTKTSNP
3221	Q13950	451	LYYGTSSGSYQFP
3222	P19793	21	VNSSLTSPTGRGS
3223	P19793	27	SPTGRGSSMAAPSL
3224	P19793	56	PISTLSSPINGMG
3225	P19793	70	PFSVISSPMGPHS
3226	P19793	259	NMGLNPSSPNDPVT
3227	P19793	260	MGLNPSSPNDPVT
3228	Q92736	2031	IRGRLLSLVEKVT
3229	Q92736	2808	NRTTRRISSQTSQLV
3230	Q92736	2814	SQTSQVSVDAAHG
3231	Q92504	275	STKEKQSSEEEKE
3232	Q92504	276	TKEKQSSSEEKE
3233	Q9Y6R1	257	RNLTSSSLNDISD
3234	Q9Y6R1	262	SSLNDISDKPEKD

3235	Q9Y6R1	1026	KKKKKGSLSDND
3236	Q9Y6R1	1029	KKGSLDSDNDDSD
3237	Q9Y6R1	1034	DSDNDDSDCPYSE
3238	Q9HBV2	256	FWGAKASTPEVQS
3239	Q9UJQ4	57	GNDEVA S EDEATV
3240	Q9UJQ4	307	SATSSLSPGLAPF
3241	Q9UJQ4	776	QEYQSRS S PDILET
3242	Q9UJQ4	789	TSFQALS S PANSQA
3243	Q9UJQ4	852	VGPSTL S PGMTPL
3244	Q9UJQ4	1019	VSKMDGSQSGISA
3245	Q01826	185	LPPEQWSHTTVRN
3246	075995	27	SLQRSSSFKDFAK
3247	075995	34	FKDFAKS S KPSSPV
3248	075995	42	PSSPVV S EKEFNL
3249	075995	97	MMVKAL S SEEMADT
3250	075995	110	LEEGSASPTSPDY
3251	075995	113	GSASPT S PDYSLD
3252	075995	120	PDYSLDS S PGPEKM
3253	075995	320	LDYDTG S EEAEEG
3254	P60468	7	MPGPTPSGTNVGS
3255	P60468	13	SGTNVGS S GRSPS
3256	P60468	14	GTNVGSS S GRSPSK
3257	P60468	17	VGSSGRS S PSKAVA
3258	P31645	611	KERIIKS S ITPETP
3259	P05060	99	SEAHESS S RGEAG
3260	P05060	100	EAHESS S RGEAGA
3261	P05060	130	AEGGGHS S RERADE
3262	P05060	149	PSDSQV S SEEVKTR
3263	P05060	183	ERGEDS S SEEKHLE
3264	P05060	225	THAAGHS S QEKTHS
3265	P05060	259	SKGQPRS S QEESEE
3266	P05060	263	PRSQEE S SEEGEED
3267	P05060	293	RSRPDRS S SQGGSL
3268	P05060	294	SRPDTRS S QGGSLP
3269	P05060	311	GHPQEE S SEESNVS
3270	P05060	335	STHYRA S SEEPEY
3271	P05060	367	RYRGRG S SEYYRAP
3272	P05060	377	RAPRPQS S EESWDE
3273	P05060	380	RPQSEES S WDEEDK
3274	P05060	405	HGYGEES S EEERGL
3275	P05060	533	DPLQWK S SHFERR
3276	P05060	534	PLQWKSS S HERRD
3277	P05060	617	LHYRKKS S AEFPDF
3278	P05060	626	FPDFYD S EEPVST
3279	P05060	631	DSEEPVS S THQEAE
3280	Q14524	36	EKQARG S TTLQES
3281	Q14524	457	RGVDTV S RSSLEM
3282	Q14524	460	DTVSRS S LEMSPL
3283	Q14524	483	KRRKRMS S SGTEEC
3284	Q14524	484	RRKRMS S GTEEC
3285	Q14524	497	EDRLPKS S SEDGP
3286	Q14524	510	RAMNHL S LTRGLS
3287	Q14524	571	WPLRRT S AQGQPS
3288	Q14524	664	ARQRALS S AVSVLT
3289	Q14524	667	RALSAV S VLTSAL
3290	Q14524	1503	AMKKLGS S KKPQKP
3291	P34741	115	KEKVHLS S DSERKM
3292	P34741	187	LGERKPS S AAAYQK

3293	Q8WYJ6	206	QFPECDSDEDEDFF
3294	Q8WYJ6	248	VRGRRYSWGTVEV
3295	Q8WYJ6	307	GARDRASRSKLSR
3296	Q8WYJ6	315	SKLSRQSATEIPL
3297	Q53H47	508	YDNRRRSAQWLDO
3298	Q15637	20	SKKRKRSRWQNQDT
3299	Q15637	80	PNPEDRSPSPEPI
3300	Q15637	82	PEDRSPSPEPIYN
3301	Q15637	89	PEPIYNSEGKRLN
3302	P23246	8	SRDRFRSRGGGGG
3303	P23246	33	GLHDFRSPPPGMG
3304	P23246	273	RSEEKISDSEGFK
3305	P23246	283	GFKANLSSLRPG
3306	P23246	379	LSVRNLSPYVSNE
3307	P23246	626	MGDPYGSGGQKFP
3308	Q96BR1	126	DSPKHQSDPSEDE
3309	Q96BR1	129	KHQSDPSEDEDER
3310	Q96BR1	142	SSQKLHSSTSQIN
3311	Q96BR1	461	EETVPYSVCVSSD
3312	Q96BR1	465	PYSVCVSSDYSIV
3313	Q96BR1	486	DAFVGFSYAPPSE
3314	Q5FBB7	14	KKSFQDSLEDIKK
3315	Q5FBB7	256	KDQVNLSPKLIQP
3316	Q5FBB7	436	PPETQQSPHLSLK
3317	Q5FBB7	507	DLCFLNSPIFKQK
3318	Q9Y2Z0	281	NLYPSSSPYTRNW
3319	Q9Y2Z0	331	KRAMNKSFMESGG
3320	Q7Z6J0	304	NTKKRHSFTSLTM
3321	O43255	16	SANKPCSQPPPQ
3322	O43255	28	QPQHTPSPAAPPA
3323	O43255	68	GGAGPVSPOHHEL
3324	P21815	31	RVKIEDSEENGVF
3325	P21815	67	QGSSDSSSEENGDD
3326	P21815	74	EENGDDSSSEEEEEEE
3327	P21815	75	ENGDDSSSEEEEEEE
3328	P21815	94	GENNEESNEDEDS
3329	P21815	100	SNEDEDSSEAENTT
3330	P21815	149	ATKEKESDEEEEEEE
3331	P21815	280	GYEIYESENGEPR
3332	P57059	186	LSTWCGSPPYAAP
3333	P57059	575	QEGRRASTDTSLTQ
3334	Q96EB6	14	ALQPGGSPSAAGA
3335	Q96EB6	26	ADREAASSPAGEP
3336	Q96EB6	27	DREAASSPAGEPL
3337	Q96EB6	47	GPGLERSPGEPGG
3338	Q96EB6	159	ITNGFHSCESDEE
3339	Q96EB6	162	GFHSCESEDDE
3340	Q96EB6	172	DRASHASSSDWTP
3341	Q96EB6	173	RASHASSSDWTTPR
3342	Q96EB6	535	PTPLHVSEDS
3343	Q96EB6	545	SSPERTSPPDSSV
3344	Q96EB6	659	HGAEVYSDSEDDV
3345	Q96EB6	661	AEVYSDSEDDVLS
3346	Q96EB6	747	NYPSNKSSSSSS
3347	Q8IXJ6	23	VQEAQDSDSDSEG
3348	Q8IXJ6	25	EAQDSDSDSEGGA
3349	Q8IXJ6	27	QDSDSSEGGAAG
3350	Q8IXJ6	368	NPSTSASPKSPP

3351	Q8IXJ6	372	SASPKKSSPPAKD
3352	Q15796	240	DQQLNQSMDTGSP
3353	Q15796	245	QSMDTGS PAELSP
3354	Q15796	250	GSPAELSPTTLSP
3355	Q15796	255	LSPTTLS PVNHSL
3356	Q15796	458	VLTQMGS PSVRCS
3357	Q15796	460	TQMGS PSVRCSSM
3358	Q15796	464	SPSVRCS SMSSSS
3359	Q15796	465	PSVRCSS SMSSSS
3360	Q15796	467	VRCSSMS SSSSSS
3361	O43541	435	KVPPGYSIKVDF
3362	Q14683	358	ERMEEEQS QSQGRD
3363	Q14683	360	MEEESQS QGRDLT
3364	Q14683	957	SQEEGSS QGEDSV
3365	Q14683	966	EDSVSGS QRISSI
3366	Q14683	970	SGSQRIS SIYARE
3367	Q16637	4	MMMMAMS SGGSGG
3368	Q16637	5	MMMAMSS GGGGGG
3369	Q16637	8	AMSSGGS GGGVPE
3370	Q16637	28	RRGTGQS DDSDIW
3371	Q16637	31	TGQSDDS DIWDDT
3372	Q16637	187	DNIKPKS SAPWNSF
3373	095863	11	FLVRKPS DPNRKP
3374	095863	82	SLRLQES PRVAEL
3375	095863	92	AELTSLS DEDSGK
3376	095863	96	SLSDEDS GKGSQP
3377	095863	100	EDSGKGS QPPSPP
3378	095863	104	KGSQPPS PPPPAP
3379	095863	107	QPPSPPS PAPSSF
3380	095863	111	PPSPAPS SFSSTS
3381	095863	115	APSSFSS TSVSSL
3382	095863	119	FSSTSVS SLEAEA
3383	095863	246	ACARTFS RMSLLH
3384	P01241	132	SLVYGAS DSNVYD
3385	P01241	176	SKFDTNHS HNDDAL
3386	Q92673	114	HWAGEKS NVIVAL
3387	Q92673	2206	PMITGFS DDDVPMV
3388	P08047	2	MMMMMMS DQDHSM
3389	P08047	7	MSDQDHSM DEMTA
3390	P08047	59	GQESQPS PLALLA
3391	P08047	101	LTATQLS QGANGW
3392	P08047	612	CPYCKDS EGRGSG
3393	P08047	641	KVYGKTSH LR AHL
3394	P08047	670	GKRFTRS DELQRH
3395	P08047	702	MRSDHLS KHIKTH
3396	Q96R06	43	TNSGKRS PACSSL
3397	Q96R06	62	LGLQEGS NNNSPV
3398	Q96R06	66	EGSNNSS PVD FVN
3399	Q96R06	135	TIVLVPS PLGQQQ
3400	Q96R06	334	VGRILGS DTESWM
3401	Q96R06	341	DTESWMS PLA WLE
3402	Q96R06	362	LENLRQS LSLPSM
3403	Q96R06	974	ESLAEMS IMTTEL
3404	Q9NYA1	225	GSKTPAS PVVVQQ
3405	Q9Y657	109	NKDERVS SALEVLP
3406	Q9Y657	124	VATSRI S DAHLAD
3407	Q9Y657	199	MPDSNDS PPAERE
3408	P35270	213	QLARET SVDPDMR

3409	P11277	2043	FGHTVDSVEKLIK
3410	P11277	2114	AATERTSPVSLWS
3411	P11277	2117	ERTSPVSLWSRLS
3412	P11277	2123	SLWSRLSSSWESL
3413	P11277	2125	WSRLSSSWESLQP
3414	P11277	2128	LSSSWESLQPEPS
3415	P23327	119	VGDEGVSGEEVFA
3416	P23327	145	SEDTEDSAEHRHH
3417	P23327	333	EEVEAVSGEHHHH
3418	P23327	358	EEDEDVSTERWHQ
3419	P23327	431	EEDEEVSAELGHQ
3420	P23327	494	KEEDPGSHHEEDDE
3421	P23327	567	PLSPDHSEEEEEEE
3422	P11831	77	TAGALYSGSEGDS
3423	P11831	79	GALYSGSEGDS
3424	P11831	83	SGSEGDSSEGEEE
3425	P11831	85	SEGDSESGEEEL
3426	P11831	103	GLKRSLSEMEIGM
3427	P11831	224	CLNSPDSPPRSDP
3428	P11831	253	TYQVSESDSSGET
3429	P11831	435	TVLNNAFSQAPSTM
3430	P11831	446	TMQVSHSQVQEPM
3431	Q96SB4	51	EEEILGSDDDEQE
3432	Q96SB4	309	PNKQEESESVER
3433	Q96SB4	311	KQEESESVERPL
3434	Q96SB4	555	YLFEPHSGEEYTR
3435	Q8IYB3	227	PELPEPSVKVKEP
3436	Q8IYB3	234	VKVKEPSVQEATS
3437	Q8IYB3	260	PEPKEPSPENSK
3438	Q8IYB3	389	RKTRRLSPSASAPP
3439	Q8IYB3	391	TRRLSPSASPPRR
3440	Q8IYB3	393	RLSPSASPERRH
3441	Q8IYB3	402	RRRHRSPPATPP
3442	Q8IYB3	414	PPKTRHSPTPQQS
3443	Q8IYB3	420	SPTPQQSNRTRKS
3444	Q8IYB3	429	TRKSRVSVSPGRT
3445	Q8IYB3	431	KSRVSVPGRSG
3446	Q8IYB3	436	VSPGRTSGKVTKH
3447	Q8IYB3	450	GTEKRESPPA朴
3448	Q8IYB3	452	EKRESPSPAKPR
3449	Q8IYB3	463	PRKVELSESEEDK
3450	Q8IYB3	465	KVELSESEEDKGG
3451	Q8IYB3	478	KMAAADSVQQRRQ
3452	Q8IYB3	524	GRRRRHSPSRSAS
3453	Q8IYB3	526	RRRHSPSRASAPS
3454	Q8IYB3	528	RHSPSRSPSPSPR
3455	Q8IYB3	530	SPSRASSPSPRK
3456	Q8IYB3	532	SRSASPSPRKRQK
3457	Q8IYB3	549	RGRRRRSPSPPPPT
3458	Q8IYB3	551	RRRRSPSPPTTRR
3459	Q8IYB3	560	PTRRRRSPSPAPP
3460	Q8IYB3	562	RRRRSPSPAPPPR
3461	Q8IYB3	583	PRRRTPSPPPRR
3462	Q8IYB3	597	PSPRRYSPPIQRR
3463	Q8IYB3	605	PIQRYSPPSPPK
3464	Q8IYB3	607	QRRYSPPPKRR
3465	Q8IYB3	616	PKRRTASPPPPP
3466	Q8IYB3	626	PPKRRASPSPPPK

3467	Q8IYB3	628	KRRASPSPPPKR
3468	Q8IYB3	636	PPKRRVSHSPPP
3469	Q8IYB3	638	KRRVSHSPPPQR
3470	Q8IYB3	694	PRAPQTSSSSPPV
3471	Q8IYB3	695	RAPQTSSSPPPVR
3472	Q8IYB3	696	APQTSSSPPPVR
3473	Q8IYB3	705	PVRRGASSSPQRR
3474	Q8IYB3	707	RRGASSSPQRRQS
3475	Q8IYB3	713	SPQRRQSPSPSTR
3476	Q8IYB3	715	QRQQSPSPSTRPI
3477	Q8IYB3	738	KIKKAAASPSPQSV
3478	Q8IYB3	740	KKAASPSPQSVRR
3479	Q8IYB3	748	QSVRRVSSRSVS
3480	Q8IYB3	752	RVSSSRSGSGSPE
3481	Q8IYB3	754	SSRSRSGSPEPA
3482	Q8IYB3	756	SRSVSGSPEPAAK
3483	Q8IYB3	769	KPPAPPSPVQSQS
3484	Q8IYB3	773	PPSPVQSQSPSTN
3485	Q8IYB3	775	SPVQSQSPSTNW
3486	Q8IYB3	777	VQSQSPSTNWSPA
3487	Q8IYB3	781	SPSTNWSPAVPVK
3488	Q8IYB3	791	PVKKAKSPTPSPS
3489	Q8IYB3	795	AKSPTPSPSPPRN
3490	Q8IYB3	874	PKKETESEAEDNL
3491	Q8IYB3	901	MRKAQVSPQSSSS
3492	Q9UQ35	24	YVQRNLSLVRGRR
3493	Q9UQ35	220	KKKKHRSSESESKK
3494	Q9UQ35	222	KKHRSESESKKRK
3495	Q9UQ35	295	TALAGRSPSGPASG
3496	Q9UQ35	297	LAGRSPSPASGRR
3497	Q9UQ35	300	RSPSPASGRRGEG
3498	Q9UQ35	322	TSTQRPSPETAT
3499	Q9UQ35	323	STQRPSPETATK
3500	Q9UQ35	351	KSATRPSPSPERS
3501	Q9UQ35	353	ATRPSPSPERSST
3502	Q9UQ35	357	SPSPERSSTGPEP
3503	Q9UQ35	358	PSPERSSTGPEPP
3504	Q9UQ35	377	AERHGGSPQPLAT
3505	Q9UQ35	387	LATTPLSQEPVNP
3506	Q9UQ35	395	EPVNPPSEASPTR
3507	Q9UQ35	398	NPPSEASPTRDRS
3508	Q9UQ35	404	SPTRDRSPPKSPE
3509	Q9UQ35	408	DRSPPKSPEKLPO
3510	Q9UQ35	424	SESSPPSPQPTKV
3511	Q9UQ35	435	KVSRHASSSPESP
3512	Q9UQ35	436	VSRHASSSPESPK
3513	Q9UQ35	437	SRHASSSPESPKP
3514	Q9UQ35	440	ASSSPESPKPAPA
3515	Q9UQ35	454	GSHREISSPTSK
3516	Q9UQ35	484	SRRMGRSRSPATA
3517	Q9UQ35	486	RMGRSRSPATAKR
3518	Q9UQ35	534	PQRRGRSRSPQRP
3519	Q9UQ35	536	RRGRSRSPQRPGW
3520	Q9UQ35	778	RLSLRRLSLSGSSSP
3521	Q9UQ35	780	SLRRSLSGSSPCP
3522	Q9UQ35	783	RSLSGSSPCPKQK
3523	Q9UQ35	846	PHPKVKGTPPRQ
3524	Q9UQ35	857	RQGSITSPOANEQ

3525	Q9UQ35	864	PQANEQS VTPQRR
3526	Q9UQ35	871	VTPQRRS CFESSP
3527	Q9UQ35	875	RRSCFES SPDPEL
3528	Q9UQ35	876	RSCFESS PDPELK
3529	Q9UQ35	908	STPPRQS PSRSSS
3530	Q9UQ35	924	KVKAI IS PRQRSH
3531	Q9UQ35	935	SHSGSSSPSPSRV
3532	Q9UQ35	950	RTTPRRS RSVSPC
3533	Q9UQ35	952	TPRRRSRS VSPCSN
3534	Q9UQ35	954	RRSRSSVS PCSNVE
3535	Q9UQ35	957	RSVSPCS NVESRL
3536	Q9UQ35	968	RLLPRYSH SGSSSS
3537	Q9UQ35	970	LPRYSHS GSSSPD
3538	Q9UQ35	972	RYSHSGSS SPDTK
3539	Q9UQ35	973	YSHSGSS SPDTKV
3540	Q9UQ35	974	SHSGSSSPDTKV
3541	Q9UQ35	994	SHSGSIS PYPKVK
3542	Q9UQ35	1010	PPGPSLS GSKSPC
3543	Q9UQ35	1014	SLSGSKS PCPQEK
3544	Q9UQ35	1028	KDSLVQS CPGSLS
3545	Q9UQ35	1032	VQSCPGS LSLCAG
3546	Q9UQ35	1064	KGQSQT S PDHRSD
3547	Q9UQ35	1069	TSPDHRS DTSSPE
3548	Q9UQ35	1072	DHRSDT S PEVRQ
3549	Q9UQ35	1073	HRSDTSS PEVRQS
3550	Q9UQ35	1083	RQSHSE S PSLQSK
3551	Q9UQ35	1099	SPKGGRS R SSSPV
3552	Q9UQ35	1101	KGGRSRSS S SPVTE
3553	Q9UQ35	1102	GGRSRSS S SPVTEL
3554	Q9UQ35	1103	GRSRSS S PVTELA
3555	Q9UQ35	1112	TELASRS SPIRQDR
3556	Q9UQ35	1122	QDRGEFS ASPMLK
3557	Q9UQ35	1124	RGEFSAS PMLKSG
3558	Q9UQ35	1129	ASPMLKS GMSPEQ
3559	Q9UQ35	1132	MLKSGMS PEQSRF
3560	Q9UQ35	1152	PTVDSNS LLGQSR
3561	Q9UQ35	1179	QEDATAS PPRQKD
3562	Q9UQ35	1188	RQKDKFS PFPVQD
3563	Q9UQ35	1214	TPPRERS GAGSSP
3564	Q9UQ35	1219	RSGAGSS PETKEQ
3565	Q9UQ35	1257	QILSHLS SELKEM
3566	Q9UQ35	1311	WGGPHFS PEHKEL
3567	Q9UQ35	1318	PEHKELS NSPLRE
3568	Q9UQ35	1320	HKELSNS SPLRENS
3569	Q9UQ35	1326	SPLRENS FGSPLE
3570	Q9UQ35	1329	RENSFGS PLEFRN
3571	Q9UQ35	1336	PLEFRNS GPLGTE
3572	Q9UQ35	1348	EMNTGFS SEVKED
3573	Q9UQ35	1368	QLETDPS LDMKEQ
3574	Q9UQ35	1382	TRSSGHSS SELSP
3575	Q9UQ35	1383	RSSGHSS SELSPD
3576	Q9UQ35	1387	HSSSELSP DAVEK
3577	Q9UQ35	1401	GMSSNQ S ISSPVL
3578	Q9UQ35	1403	SSNQSI S SPVLD
3579	Q9UQ35	1404	SNQSI S SPVLD
3580	Q9UQ35	1415	AVPRTPS RERSS
3581	Q9UQ35	1421	SRERSSS ASSPEM
3582	Q9UQ35	1423	ERSSSA S SPEMKD

3583	Q9UQ35	1424	RSSSASSPEMKDG
3584	Q9UQ35	1444	RSRSGSSPGLRDG
3585	Q9UQ35	1451	PGLRDGSGTPSRH
3586	Q9UQ35	1458	GTPSRHSLSGSSP
3587	Q9UQ35	1460	PSRHSLSGSSPGM
3588	Q9UQ35	1462	RHSLSGSSPGMKD
3589	Q9UQ35	1463	HSLSGSSPGMKDI
3590	Q9UQ35	1482	GRSECDSSPEPKA
3591	Q9UQ35	1483	RSECDSPEPKAL
3592	Q9UQ35	1497	QTPRPRSRSPPSSP
3593	Q9UQ35	1499	PRPRSRSPSSPEL
3594	Q9UQ35	1501	PRSRSPSSPELN
3595	Q9UQ35	1502	RSRSPSSPELN
3596	Q9UQ35	1517	TPQRERSGSESSV
3597	Q9UQ35	1519	QRERSGSESSVDQ
3598	Q9UQ35	1521	ERSGSESVDQKT
3599	Q9UQ35	1522	RSGSESSVDQKTV
3600	Q9UQ35	1537	TPLGQRSRGSSQ
3601	Q9UQ35	1539	LGQRSRSGSSQEL
3602	Q9UQ35	1541	QRSRSGSQELDV
3603	Q9UQ35	1542	RSRSGSSQELDV
3604	Q9UQ35	1552	DVKPSASPEVERSE
3605	Q9UQ35	1577	TPLRQRSRGSSP
3606	Q9UQ35	1579	LRQRSRSGSSPEV
3607	Q9UQ35	1581	QRSRSGSSPEVDS
3608	Q9UQ35	1582	RSRSGSSPEVDSK
3609	Q9UQ35	1598	SPRRRSRSGSSPEV
3610	Q9UQ35	1600	RRSRSGSSPEVKD
3611	Q9UQ35	1601	RSRSGSSPEVKDK
3612	Q9UQ35	1616	AAPRAQS GSDSSP
3613	Q9UQ35	1620	AQSGSDSSPEPKA
3614	Q9UQ35	1621	QSGSDSSPEPKAP
3615	Q9UQ35	1648	SKGRGPSPEGSSS
3616	Q9UQ35	1658	SSSTESSPEHPPK
3617	Q9UQ35	1691	PPRRRSSRSPEL
3618	Q9UQ35	1693	RRRSSRSRSPELTR
3619	Q9UQ35	1694	RRSSRSSEPELTK
3620	Q9UQ35	1727	PPRHRRSPSVSSP
3621	Q9UQ35	1729	RHRRSPSVSSPEP
3622	Q9UQ35	1731	RRSPSVSSPEPAE
3623	Q9UQ35	1732	RSPSVSSPEPAEK
3624	Q9UQ35	1762	TSRRGRSPSPKPR
3625	Q9UQ35	1764	RRGRSPSPKPRGL
3626	Q9UQ35	1818	RRRRGGSGYHSRS
3627	Q9UQ35	1822	GGSGYHSRSPARQ
3628	Q9UQ35	1854	SRKRSRSRTSPAP
3629	Q9UQ35	1857	RSRSRTSPAPWKR
3630	Q9UQ35	1876	PATHRRRSRSRTPL
3631	Q9UQ35	1878	THRRRSRSRTPLIS
3632	Q9UQ35	1884	SRTPLISRRRSRS
3633	Q9UQ35	1890	SRRRSRSRTSPVS
3634	Q9UQ35	1893	RSRSRTSPVSR
3635	Q9UQ35	1916	RSRSRASPVSR
3636	Q9UQ35	1919	SRASPVSRRRSRS
3637	Q9UQ35	1923	PVSRRRSRSRTPP
3638	Q9UQ35	1925	SRRRSRSRTPPV
3639	Q9UQ35	1946	PTT RRSRSRTPP
3640	Q9UQ35	1948	TRRRRSRSRTPPV

3641	Q9UQ35	1958	PVTRRRSRSRTPP
3642	Q9UQ35	1970	PVTRRRSRSRTSP
3643	Q9UQ35	1972	TRRRSRSRTSPIT
3644	Q9UQ35	1975	RSRSRTSPITRR
3645	Q9UQ35	1984	TRRRSRSRTSPVT
3646	Q9UQ35	1987	RSRSRTSPVTRRR
3647	Q9UQ35	2020	TRRRSRSRTPPAI
3648	Q9UQ35	2030	PAIRRRSRSRTPL
3649	Q9UQ35	2032	IRRRSRSRTPLLP
3650	Q9UQ35	2044	PRKRSRSRSPLAI
3651	Q9UQ35	2046	KRSRSRSPLAIRR
3652	Q9UQ35	2067	TARGKRSLTRSPP
3653	Q9UQ35	2071	KRSLTRSPPAIRR
3654	Q9UQ35	2090	SSDRSRSATPPAT
3655	Q9UQ35	2100	PATRNHSGSRTPP
3656	Q9UQ35	2102	TRNHSGSRTPPVA
3657	Q9UQ35	2118	SRMSCFSRPSMSP
3658	Q9UQ35	2121	SCFSRPSMSPTPL
3659	Q9UQ35	2123	FSRPSMSPTPLDR
3660	Q9UQ35	2132	PLDRCRSPGMLEP
3661	Q9UQ35	2272	AAMNLASPRATAVA
3662	Q9UQ35	2335	TPQAPASANLVGP
3663	Q9UQ35	2343	NLVGPRS AHATAP
3664	Q9UQ35	2382	SGANLTS PRVPLS
3665	Q9UQ35	2394	SAYERVS GRITSPP
3666	Q9UQ35	2398	RVSGRTS PPLLDR
3667	Q9UQ35	2407	LLDRAR SRTPPSA
3668	Q9UQ35	2412	RSRTPPSAPSQR
3669	Q9UQ35	2415	TPPSAPS QSRMTS
3670	Q9UQ35	2426	TSERAPS PSSRMG
3671	Q9UQ35	2429	RAPSPSS RMGQAP
3672	Q9UQ35	2449	AQDQPRS PVPSAF
3673	Q9UQ35	2453	PRSPVPSAFSDQS
3674	Q9UQ35	2581	ALKRVPSP TPAPK
3675	Q9UQ35	2664	ALPKPAS PKPPP
3676	Q9UQ35	2675	PPGERRS RSPRK
3677	Q9UQ35	2677	GERRSRS PRKPID
3678	Q9UQ35	2684	PRKPID S LRD SRS
3679	Q9UQ35	2688	IDSLRDSRSLSYS
3680	Q9UQ35	2690	SLRDSRSLSYSPV
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3682	Q9UQ35	2694	SRSLSYS PVERRR
3683	Q9UQ35	2702	VERRRPS PQPSPR
3684	Q9UQ35	2706	RPS PQPS PRDQQS
3685	Q13247	45	FVEFEDS RDADDA
3686	Q13247	81	RDRDGYS YGSRSG
3687	Q13247	84	DGYSYGS RS GGGG
3688	Q13247	299	SRSRSQS RSNSPL
3689	Q13247	303	SQSRSNS PLPVPP
3690	Q13247	314	PPSKARS VS PPPK
3691	Q13247	316	SKAR SVS PPPKRA
3692	Q8WYL5	37	DRKLNL S LSE SFF
3693	Q8WYL5	57	FLQQGSS PQGQRS
3694	Q8WYL5	978	PLKRSHS LA KLGS
3695	Q08945	437	KEGMNPS YDEYAD
3696	Q08945	444	YDEYADS DEDQHD
3697	Q08945	471	ENANDSS DDSGEE
3698	Q08945	510	SSNEGDS DRDEKK

3699	Q08945	657	SSSRQLS S EFSFKSK
3700	Q08945	667	KSKEFV S SDESSS
3701	Q08945	668	SKEFV S DESSSG
3702	Q08945	671	FVSSDE S SSGENK
3703	Q08945	672	VSSDE S SSGENKS
3704	Q08945	673	SSDE S SSGENKS
3705	Q08945	688	RRRSED S EEEELA
3706	O00204	348	EPRPN S PSPSPG
3707	095630	2	MMMMMM S DHGDVS
3708	095630	48	EIIRMAS I YSEEG
3709	095630	243	LKGAL S NSESIP
3710	095630	245	PGALSNS S SIPTI
3711	095630	247	ALSNSE S SIPTIDG
3712	P49675	57	QVRRRS S LLGSRL
3713	P49675	195	CAKRRG S TCVLAG
3714	P52630	283	KELKGL S CLVSYQ
3715	P52630	287	GLSCLV S YQDDPL
3716	P52630	753	LGPELE S VLESTL
3717	P40763	727	TIDLPM S PRTLDS
3718	P02808	21	SMIGAD S SEEKFL
3719	P02808	22	MIGADS S SEEKFLR
3720	O76061	250	HHLPEP S SRETGR
3721	O76061	251	HLPEP S RETGRG
3722	Q13285	203	YPEPYA S PPQPGL
3723	Q86WV6	358	PSTSTM S QEPELL
3724	Q15831	31	FIHRID S TEVIYQ
3725	Q15831	325	PVPIPP S PDTKDR
3726	Q15831	428	SKIRRL S ACKQQQ
3727	O75716	197	AQRCTI S YRAPEL
3728	Q15208	264	TFQNMN S KRKAET
3729	Q15208	281	RRQLAF S TVGTPD
3730	Q9UEW8	309	MKKYGK S FRKLLS
3731	Q9UEW8	370	VRRVPG S SGHLHK
3732	Q9UEW8	371	RRVPG S SGHLHKT
3733	Q9UEW8	385	DGDWEWS S DDEMDE
3734	P16949	16	ELEKRA S GQAFEL
3735	P16949	25	AFELIL S PRSkes
3736	P16949	31	SPRSKE S VPEFPL
3737	P16949	38	VPEFPL S PPKKKD
3738	P16949	63	AEERRK S HEAEVL
3739	Q9UJZ1	17	ALLLRG S LLASGR
3740	Q9UJZ1	330	VPGTPD S LSSGSS
3741	P27105	10	KRHTRD S SEAQRLP
3742	P27105	161	LGTKNL S QILSDR
3743	P27105	244	SMVITES S PAALQL
3744	Q16623	14	LRTAKD S DDDDDV
3745	Q16623	188	IMDSSI S KQALSE
3746	P14410	7	MARKKF S GLEISL
3747	P63165	2	MMMMMM S DQEAKP
3748	P63165	9	DQEAKP S TEDLGD
3749	Q9UH99	12	QRLTRY S QGDDDG
3750	Q9UH99	38	STLFKD S PLRTLK
3751	Q9UH99	54	SNMKRL S PAPQLG
3752	Q9UH99	116	SESSRAS S GLVGRK
3753	P07814	882	QPPLSQ S SDSSPT
3754	P07814	885	LSQSSD S SPTRNS
3755	P07814	886	SQSSD S PTRNSE
3756	P07814	891	SSPTRN S EPAGLE

3757	P07814	999	QGGGLSSSGAGEG
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3759	O14994	9	FLRRRLSDSSFMA
3760	O14994	470	QGQQPLSPQSGSP
3761	O14994	484	QQRSPGSQQLSRA
3762	P37840	87	TVEGAGSIAAATG
3763	P37840	129	EAYEMPSEEGYQD
3764	Q24JP5	529	EPAAEASDEAERR
3765	P35269	217	EDDLEMSSDASDA
3766	P35269	218	DDLEMSSDASDAS
3767	P35269	221	EMSSDASDASGEE
3768	P35269	224	SDASDASGEEGGR
3769	P35269	377	KRERKPSGGSSRG
3770	P35269	380	RKPSGGSSRGNSR
3771	P35269	381	KPSGGSSRGNSRP
3772	P35269	385	GSSRGNSRPGTPS
3773	P35269	391	SRPGTPSAEGGST
3774	P35269	431	LDTGPQSLSGKST
3775	P35269	433	TGPQSLSGKSTPQ
3776	P35269	436	QSLSGKSTPQPPS
3777	P35269	449	GKTTPNSGDVQVT
3778	Q8N5C8	60	LYMEYHSPPDNRM
3779	Q8N5C8	101	GRTLVHSSSDGHI
3780	Q8N5C8	492	ISVIPGSGGEKGS
3781	Q8N5C8	506	KYQRSSSGSDDY
3782	O75410	4	MMMAAFSPWQILS
3783	O75410	10	SPWQILSPVQWAK
3784	O75410	228	LVPSRRSKLRKPK
3785	O75410	276	ELDENTSPLLGDA
3786	O75410	381	GPLSQTSKPDPS
3787	O75410	591	VSCGGE SPLDGIC
3788	Q15750	7	MAAQRRSLLQSEQ
3789	Q15750	378	MSQPTPS PAPAAG
3790	Q15750	438	PTLTNQSPTLTLQ
3791	P21675	137	LQPLCHSDYDEDD
3792	P21675	307	PPEQCLS DDEITM
3793	P21675	1826	IGGYEVSEEEEDE
3794	Q15545	171	EVKRLLSTDAAEAV
3795	Q15545	213	HRQGHDSLEHDEL
3796	Q15545	264	QDKLNESDEQHQE
3797	Q9UL54	9	AGGRAGS LKDPDV
3798	Q9UL54	181	IMAPANS FVGTPY
3799	Q9UL54	414	TVTSHSSIIHRLP
3800	Q9UL54	777	IEQQPCSPGQEAV
3801	Q9UL54	825	EESGAPS PSPQKH
3802	Q9UL54	827	SGAPSPSPQKHGS
3803	Q9H2K8	324	NGPLNES QEDEED
3804	Q9H2K8	331	QEDEEDSEHGTSL
3805	Q9H2K8	442	ATIKSAS LVTRQI
3806	P10636	214	GKERPGS KEEVDE
3807	P10636	396	DKKAKTSTRSSAK
3808	P10636	515	GDRSGYS SPGSPG
3809	P10636	516	DRSGYSS PGSPGT
3810	P10636	519	GYSSPGS PGTPGS
3811	P10636	531	SRSRTPS LPTPPT
3812	P10636	552	VRTPPPSSAKSRL
3813	P10636	554	TPPKSPSSAKSRL
3814	P10636	579	VKS KIGS TENLKH

3815	P10636	602	NKKLDLSNVQSKC
3816	P10636	606	DLSNVQSKCGSKD
3817	P10636	610	VQSKCGSKDNIKH
3818	P10636	622	HVPGGGSVQIVYK
3819	P10636	641	VTSKCGSLGNIHH
3820	P10636	669	FKDRVQSKIGSLD
3821	P10636	673	VQSKIGSLDNITH
3822	P10636	713	AEIVYKSPPVSGD
3823	P10636	717	YKSPVVSGDTSPR
3824	P10636	721	VVSGDTSPRHLSN
3825	P10636	726	TSPRHLNSVSSTG
3826	P10636	733	NVSSTGSIDMVDS
3827	P10636	739	SIDMVDSPQLATL
3828	Q86VP1	138	MEDEGNSDMLVVT
3829	Q86VP1	225	EFKKRFSDATSKA
3830	Q86VP1	593	YKELKRSLENPAE
3831	Q86VP1	666	PPVRVPSWGLEDN
3832	P68363	48	IGGGDDSFNTFFS
3833	P68363	232	NLNRLISQIVSSI
3834	P68363	439	EEVGVDSEGEGE
3835	Q13509	172	TFSVVPSPKVSDT
3836	Q99426	65	VDDKFYSKLDQED
3837	Q99426	110	VEKYTIQEAYDQ
3838	Q99426	128	RSFLKRSKLGRYN
3839	O60343	262	EVVPGSPGDCLP
3840	O60343	318	FRSRCSSVTGVQR
3841	O60343	341	PRRRHASAPSHVQ
3842	O60343	344	RHASAPS HVQPSD
3843	O60343	566	KNKAKRSLTSSLE
3844	O60343	570	KRSLTSSLLENIFS
3845	O60343	588	MRGRLGSVDSFER
3846	O60343	591	RLGSVDFSERSNS
3847	O60343	751	GRKRTSSLTCNES
3848	Q9UHD2	172	DDEQFVSLYGTEE
3849	Q15170	31	WSTLPKSPPRSS
3850	Q15170	32	STLPKSSLPRSSL
3851	Q15170	36	KSSPPRSSLRRSS
3852	Q15170	37	SSPPRSSLRRSSP
3853	Q15170	41	RSSLRRSSPRRRS
3854	Q15170	42	SSLRRSSPRRRSS
3855	Q15170	47	SSPRRRSSFLRSS
3856	Q15170	48	SPRRRSSFLRSSC
3857	Q86XR7	16	SCPLSLSWGKRHS
3858	P53999	4	MMMPKSKELVSS
3859	P53999	9	KSKELVSSSSSGS
3860	P53999	10	SKELVSSSSGSD
3861	P53999	11	KELVSSSSGSDS
3862	P53999	13	LVSSSSGSDSDS
3863	P53999	15	SSSSSGSDSDSEV
3864	P53999	17	SSSGSDSDSEVDK
3865	P53999	19	SGSDSDSEVDKLL
3866	P53999	118	QLKEQISDIDDAV
3867	P13693	46	EGNIDDSLIGGNA
3868	P13693	53	LIGGNASAEGPEG
3869	P13693	64	EGETESTVITGV
3870	Q15185	85	KGESGQS WPRLLTK
3871	Q15185	113	KDWEDDSDEDMSN
3872	Q15185	118	DSDEDMSNFDRFS

3873	Q15185	148	DGADDDSQDS DDE
3874	Q15185	151	DDDSQDS DDEKMP
3875	Q9Y4R8	456	ASEAGTS LVPATA
3876	Q9Y4R8	485	QAQLAGS DSDLDS
3877	Q9Y4R8	487	QLAGSDS DLDSDD
3878	Q9Y4R8	491	SDSDLDS DDEFVP
3879	Q9Y4R8	688	RQGPAGS PSRFMS
3880	Q9Y4R8	836	RLLPPAS PPPPPP
3881	P24821	65	PVGSQCS VDLESA
3882	P24821	70	CSVDLES ASGEKD
3883	P24821	72	VDLESAS GEKDLA
3884	Q9HBL0	338	PLIRWDS YDNFSG
3885	Q9HBL0	364	QGPLDGS LYAKVK
3886	Q9HBL0	378	KDSLHG S TGAVNA
3887	Q9HBL0	433	SATAALS PQEKRE
3888	Q9HBL0	701	EFPRAAS QQEIEQ
3889	Q9HBL0	764	PLTQSRSG YI PSG
3890	Q9HBL0	769	RSGYIPS GHSLGT
3891	Q9HBL0	794	PPGRSYSPYDYQP
3892	Q9HBL0	899	LRRRAAS DGQYEN
3893	Q9HBL0	907	GQYENQS PEATSP
3894	Q9HBL0	963	EGTSPSS PPPSGV
3895	Q9HBL0	967	PSSPPPS GVRSP
3896	Q9HBL0	1124	GSLQPS PSAQRN
3897	Q9HBL0	1177	VHTVPGSP QARHR
3898	Q9HBL0	1192	GTNTPPSPGFWR
3899	Q9HBL0	1269	VATTPGSP SLGRH
3900	Q9HBL0	1294	HSNAIAS PGSPSL
3901	Q9HBL0	1309	HLGGSGS VVPGSP
3902	Q9HBL0	1314	GSVVPGSP CLDRH
3903	Q9HBL0	1381	AAFRQGS PTPALP
3904	Q9HBL0	1393	PEKRRMS VGDRAG
3905	Q9HBL0	1446	YSMPDNS PETRAK
3906	Q9HBL0	1588	SSGPANS TADLLK
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3908	P54274	219	KLLMIIS QKDTFH
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3910	O14746	457	LLRQHSS PWQVY
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3912	P52655	281	GTGDTSEEDED
3913	P52655	316	EEEPLNS EDDVSD
3914	P52655	321	NSEDDVS DEEGQE
3915	Q04206	276	MQLRRPS DRELSE
3916	Q04206	281	PSDRELS EPMEFQ
3917	Q04206	311	TYETFKSIMKKSP
3918	Q04206	468	VFTDLAS VDNSEF
3919	Q04206	529	LPNGLLS GDED
3920	Q04206	536	GD EDFSS IADMDF
3921	Q00059	55	CPKKPVSS YLRF
3922	Q00059	56	PKKPVSS YLRF
3923	Q00059	61	SSYLRFS KEQLPI
3924	Q00059	160	KPKRPRSSAYNVY
3925	Q00059	193	ENWKNLSDSEKEL
3926	P02786	24	LSYTRFS LARQVD
3927	P22735	24	QPPTTPS PEPEPE
3928	P22735	82	GTRRPGBS RGSDSR
3929	P22735	85	RPGSRGS DSRRPV
3930	P22735	92	DSRRPV SRGSGVN

3931	P22735	95	RPVSRGS G VNAAG
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3933	O43493	221	QTPKDGS N KSGAE
3934	O43493	298	HAFKTE S GEETDL
3935	O43493	351	KMSGSA S SENREG
3936	Q5T1C6	37	PELRSFS S EEEVIL
3937	Q5T1C6	38	ELRSFS S EEEVILK
3938	Q92563	72	EDDYIKS W EDNQQ
3939	Q13263	19	ASAASGS P PGPGE G
3940	Q13263	50	ASAAASS P AGGGA
3941	Q13263	439	SKQGSGS S QPMEV
3942	Q13263	471	VSGVKRS R S G E G E
3943	Q13263	473	GVKRSRS S GE G EVS
3944	Q13263	479	SGE G EVS G LMRKV
3945	Q13263	489	RKVPRVS L ERLDL
3946	Q13263	501	LDLTADS Q PPVFK
3947	Q13263	594	EGPRLAS P SGSTS
3948	Q13263	683	EEDGSL S LDGADS
3949	Q13263	689	SLDGADS T GVVAK
3950	Q13263	697	GVVAKL S PANQRK
3951	Q13263	752	RLQEKL S P P YSSP
3952	Q13263	757	LSPPYSS S PQEFAQ
3953	Q13263	824	PGAGLSS S QELSGG
3954	P01033	178	DQLLQGS E KGFQS
3955	Q9UKI8	80	STGSTGS C SVGAK
3956	Q9UKI8	159	QGGNGSS S PVRGIP
3957	Q9UKI8	743	HMRRSN S SGNLHM
3958	O60602	805	QLMKHQ S IRGFVQ
3959	P19429	5	MM M ADGS S DAARE P
3960	P19429	6	MMADGS S DAAREP
3961	P19429	23	APIRRRS S SNYRAY
3962	P19429	24	PIRRRS S NYRAYA
3963	P19429	42	KKSKS K I S ASRKLQ
3964	P19429	44	KSKIS A S R KLQLK
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3966	P19429	150	LRRVRI S ADAMMQ
3967	P19429	166	GARAK E S L DLRAH
3968	P19429	199	KNIDAL S GM E GRK
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3970	P11387	57	NSEHKD S EKKHKE
3971	P11387	112	KENGFS S PPQIKD
3972	P11387	506	DTVGCCS L RVEHI
3973	P11388	4	MM M MEVS P LPVN
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3975	P11388	1213	MAEVLP S PRGQRV
3976	P11388	1247	NENTEGS P QEDGV
3977	P11388	1295	KKRNPWS D SES D R
3978	P11388	1297	RNPWS D SE S DRSSDE
3979	P11388	1299	PWS D SE S DRSSDE
3980	P11388	1302	DSESDRS S DES N F
3981	P11388	1332	FTMDLDS D DEF F D
3982	P11388	1337	DSDED F S D FDEKT
3983	P11388	1351	DEFVPS D AS P PK
3984	P11388	1354	FVPSDAS P PKTKT
3985	P11388	1374	ELKPQKS V VS D LE
3986	P11388	1377	PQKSVVS D LEADD
3987	P11388	1387	ADDVKGS V PLSSS
3988	P11388	1392	GSVPLSS P PATH

3989	P11388	1393	SVPLSSSPPATHF
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3991	P11388	1469	RRKRKPSTSDDSD
3992	P11388	1471	KRKPSSTDSDSN
3993	P11388	1474	PSTSDDSNSNFEK
3994	P11388	1476	TSDDSDSNSFEKIV
3995	P11388	1495	KKSKGESDDFHMD
3996	P11388	1504	FHMDFDSSAVAPRA
3997	P11388	1525	IKYLEESDEDDLF
3998	Q9NS56	98	TVPADASPDCKP
3999	Q9NS56	499	ELVELSSDSEDLG
4000	Q9NS56	585	RGDRVYSPYNHRH
4001	Q9NS56	718	DRDGYESYRRRT
4002	Q9NS56	864	RKRKTRSLSVEIV
4003	Q9NS56	866	RKTRSLSVETIVYE
4004	Q9NS56	1028	PSRQLPSPRTESLM
4005	Q12888	25	CLIEDSQPESQV
4006	Q12888	105	DTCGSISQVIEQL
4007	Q12888	124	SSVLGMSVESAPA
4008	Q12888	166	AEDTASSQLGFGV
4009	Q12888	176	FGVLELSQSQDVEEN
4010	Q12888	178	VLELSQSQDVEEN
4011	Q12888	222	IKHEEQSNEDIPI
4012	Q12888	265	SEDMPEFSPKASVA
4013	Q12888	294	GLQIQKSPPEPEVL
4014	Q12888	366	SDLVAPS PDAFRS
4015	Q12888	380	PFIVPSSPTEQEG
4016	Q12888	395	DKPMDTSVLSEEG
4017	Q12888	398	MDTSVLSSEGGEP
4018	Q12888	452	GSLPIPSQPQFSH
4019	Q12888	500	EIEPKNSPEDLGL
4020	Q12888	523	LSTSEYSQSPKME
4021	Q12888	525	TSEYSQS PKMESL
4022	Q12888	552	EDTEPMSPVLSNK
4023	Q12888	566	VPAENDSILMNPA
4024	Q12888	580	DGEVQLSQNDDKT
4025	Q12888	630	GSQAVPSPATRSE
4026	Q12888	635	PSPATRSEALSSV
4027	Q12888	639	TRSEALS VLDQE
4028	Q12888	640	RSEALSS VLDQEE
4029	Q12888	692	SVPLHLSLTETQS
4030	Q12888	727	SVISIDS PQKLAI
4031	Q12888	809	DTKEEKSS VEYEGD
4032	Q12888	831	PVEQDSSQPSLPL
4033	Q12888	834	QDSSQPSLPLVRA
4034	Q12888	970	HDPILGSGKGDSG
4035	Q12888	975	GSGKGDSGAAPDV
4036	Q12888	1028	VAESVASPQKTM
4037	Q12888	1068	LLHFPSQQGEEEK
4038	Q12888	1086	DHTIRQS QPMKP
4039	Q12888	1094	QPMKPISPVKDPV
4040	Q12888	1101	PVKDPVSPASQKM
4041	Q12888	1114	VIQGPSSPQGEAM
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4043	Q12888	1219	DTESLHSQGEEEF
4044	Q12888	1362	GGPGKLS PRKGVS
4045	Q12888	1368	SPRGKVSQTGT
4046	Q12888	1426	LGIEDISPNLSPD

4047	Q12888	1430	DISPNLSPDDKSF
4048	Q12888	1460	AGALRRSDSPEIP
4049	Q12888	1462	ALRRSDSPEIPFQ
4050	Q12888	1474	QAAAGPSDGLDAS
4051	Q12888	1618	TKAADISLDNLVE
4052	Q12888	1678	TSEEERSPAKGR
4053	Q12888	1701	GAGEFVSPCESGD
4054	Q12888	1759	DGPTGSSEEEEF
4055	Q12888	1778	NKQYTESQLRAGA
4056	P09493	61	DELDKYSEALKDA
4057	P09493	174	KLVIIESDLERA
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4059	P09493	283	ALNDMTSIIIIII
4060	O94811	18	NRTPPKSPGDPSK
4061	O94811	32	RAAKRLSLESEGA
4062	O94811	35	KRLSLESSEGAGEG
4063	O94811	45	GEGAAASPELSAL
4064	O94811	159	GVTKAISPTVSR
4065	O94811	160	VTKAISPTVSRL
4066	Q9Y2W1	232	ATYGTGSASRASA
4067	Q9Y2W1	237	GSASRASAVSELS
4068	Q9Y2W1	240	SRASAVSELSPRE
4069	Q9Y2W1	243	SAVSELSPRERSP
4070	Q9Y2W1	248	LSPRERSPALKSP
4071	Q9Y2W1	253	RSPALKSPLQSVV
4072	Q9Y2W1	257	LKSPLQSVVVR
4073	Q9Y2W1	315	LSPSKKSPPVGKSP
4074	Q9Y2W1	320	KSPVGKSPSTG
4075	Q9Y2W1	339	KEESAASGGAAYT
4076	Q9Y2W1	377	KIKEKGFSFDTGL
4077	Q9Y2W1	379	KEKGFSFDTGLGD
4078	Q9Y2W1	406	EKPFRGSSQSPKRY
4079	Q9Y2W1	408	PFRGSQSPKRYKL
4080	Q9Y2W1	535	VQEKKSSPPPRKT
4081	Q9Y2W1	560	FPTGKSSFSITRE
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4083	Q9Y2W1	622	SAQSQRSPSELF
4084	Q9Y2W1	672	AAKNKKSPPEIHR
4085	Q9Y2W1	682	HRRIDISPSTFRK
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4087	Q9Y2W1	698	AHDEMKSPREPGY
4088	Q9Y2W1	928	WAHDKFSGEEGEI
4089	Q9Y2W1	939	EIEDDESGTENRE
4090	Q12933	11	SVTPPGSLELLQP
4091	P08582	462	VVRDSSHAFTLD
4092	Q9UBP6	27	YRQRAHSNPMADH
4093	Q92574	505	PRGGFDSPFYRDS
4094	Q92574	511	SPFYRDSLPGSQR
4095	Q92574	598	TRVGFGSGQPPPY
4096	Q92574	1100	ELFRNKSESQCDE
4097	P49815	540	VMARSLSPPPELE
4098	P49815	664	KTSGPLSPPTGPP
4099	P49815	939	FRARSTSNERPK
4100	P49815	981	FRCRSISVSEHV
4101	P49815	1132	DRVRSMSGGHLR
4102	P49815	1155	FLGSATSPGPRTA
4103	P49815	1337	DAYSRSSSVSSQE
4104	P49815	1338	AYSRSSSVSSQEE

4105	P49815	1346	SSQEEKS L HAEEL
4106	P49815	1387	PLSKSSS S PELQT
4107	P49815	1411	ADVGR L SPEVKAR
4108	P49815	1418	PEVKARS S QSGTLID
4109	P49815	1420	VKARS Q S G TLDGE
4110	P49815	1448	EGPLPSS S PRSPS
4111	P49815	1452	PSSSPRS S PSGLRP
4112	P49815	1798	QRKRL I S V EDFT
4113	Q9H2G4	18	TRRLSSS E SPQRD
4114	Q9H2G4	20	RLSSSE S PQRDP <i>P</i>
4115	P53804	378	YTPRSL S APIFTT
4116	O43156	459	SDDLNA S PKTSAT
4117	O43156	828	VADGNV S DFDNEE
4118	P26651	60	LPGRST S LVEGRS
4119	P26651	66	SLVEGR S CGWVPP
4120	P26651	88	RLGPEL S PSPTSP
4121	P26651	90	GPELSP S PTSPTA
4122	P26651	93	LSPSPT S PTATST
4123	P26651	169	HFIHN P SEDLAAP
4124	P26651	186	VLRQSI S FSGLPS
4125	P26651	197	PSGRRT S PPPGL
4126	P26651	218	SFSPSSS S PPPGD
4127	P26651	228	PGDLPL S PSAFSA
4128	P26651	276	RTPSVQS L GSDPD
4129	P26651	296	SLGGSD S PVFEAG
4130	P26651	323	PIFNRI S VSEEEE
4131	P07101	19	GFRRAV S ELDAKQ
4132	P07101	62	YTPTPRS S PRFIGR
4133	P07101	71	FIGRRQ S LIEDAR
4134	Q712K3	233	CYDDDD S GNEESS
4135	P22314	4	MMMMSSS S PLSKKR
4136	P22314	13	SKKRRV S GPDPKP
4137	P22314	46	GMAKNG S EADIDE
4138	P22314	810	GVKIHV S DQELQS
4139	P22314	816	SDQELQS S ANASVD
4140	P22314	820	LQSANAS S VDDSRL
4141	P22314	835	LKATL P S D KLPG
4142	P63279	71	KDDYP S PPKCKF
4143	P49459	120	DEPNPNS S PANSQA
4144	Q14694	226	SDIVPDS S PFPGAL
4145	Q14694	321	TKPESAS S PPADGT
4146	Q14694	337	SGTLPV S QPKSWA
4147	Q14694	365	YVETKY S PPAISP
4148	Q14694	370	YSPPAIS S PLVSEK
4149	Q14694	563	NGPKNHS S VNEEQ
4150	Q14694	576	EEQGEG S DEWEQ
4151	Q96RU2	67	ERVKEP S QDTVAT
4152	Q96RU2	714	SSTNSSS S QDYSTS
4153	Q86T82	628	VNSCIT S PSTPSK
4154	Q86T82	650	LALCLDS S DSEDEL
4155	Q86T82	652	LCLDS S DEDELKR
4156	Q93009	18	AGEQQL S EPEDME
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4158	O95071	110	PGRTSD S PWFLSG
4159	O95071	327	RWLDG A SFDNERG
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4164	095071	928	ILHACVSVCFPTS
4165	095071	1018	DHQDPVSPPIAPP
4166	095071	1227	CKLKRTSPTAYCD
4167	095071	1308	RNRKTASPEDSDM
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4169	095071	1375	VYLNQQSGTIRLD
4170	095071	1481	LCNVAESLIVPVR
4171	095071	1549	PQQRRISQSQPVR
4172	095071	1741	STPAASSAGLIYI
4173	095071	1780	ASSYLTSASSLAR
4174	095071	1990	GIDNEDSEHENDD
4175	095071	2026	HPFFRRSDSMTFL
4176	095071	2028	FFRRSDSMTFLGC
4177	095071	2076	PSQGLYSASSASSG
4178	095071	2289	DEPGEGSGVARSF
4179	095071	2484	RKRHGSSRSVVDM
4180	095071	2486	RHGSSRSVVDMDL
4181	Q04323	199	EPGPVPSSPSQEPP
4182	Q04323	200	PGPVPSSPSQEPP
4183	Q04323	270	FPRRAFSEADMER
4184	Q96T88	76	QLLVRQSLVLPHS
4185	Q96T88	91	ERDSELSDTDSCG
4186	Q96T88	287	ERPGEGRPMVDNP
4187	Q96T88	298	NPMRRKSGPSCKH
4188	Q96T88	639	QEGGFASPRTGKG
4189	Q96T88	651	GKWKRKSAGGGPS
4190	Q96T88	707	LKDRPASGSPFQL
4191	Q96RL1	44	DAFIVISDSDGEE
4192	Q96RL1	46	FIVISDSDGEEPK
4193	Q96RL1	101	EAREVNSQEEEEEE
4194	Q96RL1	140	LATGPSSQSHQEK
4195	Q96RL1	205	GSDWQSSQPVFEN
4196	Q96RL1	402	TSHGQSSQGIVEEE
4197	Q96RL1	419	GNSVPASQSVAAL
4198	Q96RL1	627	SEGRLLSFLEQSE
4199	Q96RL1	653	GAFRVPSPGMEEA
4200	Q96RL1	677	RRDLNESPVKSFV
4201	Q6PHR2	176	KHVLRGSPLYMAP
4202	Q6PHR2	300	KDQEGDSAAALSL
4203	Q6PHR2	350	LKAIVSSSNQALL
4204	Q6PHR2	384	AALEVASAAMAKE
4205	Q6PHR2	464	KEGLSESVRSSCT
4206	P00749	158	ADGKKPSSPPEEL
4207	P00749	323	GFGKENSSTDYLYP
4208	O60763	50	RALKSLSKKYRLE
4209	O60763	942	EEDELESGDQEDE
4210	O60763	952	EDEDDESDEPGKD
4211	Q9P2Y5	493	GADVGFSGGIPSP
4212	Q9P2Y5	498	FSGGIPS PDKGHR
4213	Q9P2Y5	508	GHRKRASSENERL
4214	Q9P2Y5	522	YKTPPPSYNSALA
4215	Q9P2Y5	549	KITSLSSSLDTSL
4216	Q9P2Y5	550	ITSLSSSLDTSLD
4217	Q9P2Y5	571	GEDLVGS LNGGHA
4218	Q9P2Y5	582	HANVHPSQE QGEA
4219	P50552	157	HIERRVSNAGGPP
4220	P50552	239	AKLRKVSKQEEAS

4221	P50552	322	TLPRMKSSSVTT
4222	P50552	323	LPRMKSSSVTTS
4223	P21796	13	YADLGKSARDVFT
4224	P21796	193	GTEFGGSIYQKVN
4225	O15240	420	GAEDKRSQEETPG
4226	Q99986	342	DGKLDSLVENGG
4227	P04004	130	APEVGASKPEGID
4228	P04004	137	KPEGIDSRPETLH
4229	P04004	312	AMMQRDSWEDIFE
4230	P04004	397	QNSRRPSRATWLS
4231	Q6PCB0	74	TGALRASLVHVGS
4232	Q6PCB0	80	SLVHVGSRPYTEF
4233	Q6PCB0	93	PFGQHSSGEAAQD
4234	O00401	242	FDMCGISEAQLKD
4235	O00401	484	RSKAIHSDEDED
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4237	P42768	483	RSRAIHSSDEGED
4238	P42768	484	SRAIHSSDEGEDQ
4239	P30291	53	HSTGEDSAFQEPD
4240	P30291	85	PGPAPGSERGELEE
4241	P30291	123	EGFGSSSPVKSPA
4242	P30291	127	SSSPVKSPPAAPYF
4243	P30291	139	FLGSSFSPVRCGG
4244	P30291	150	GGPGDASPRCGA
4245	P30291	312	GSGEFGSVFKCVK
4246	P30291	642	KMNRSVSLTIYYY
4247	O76024	32	RLNATASLEQERS
4248	Q9Y3S1	45	QRFLRRSVVESDQ
4249	Q9Y3S1	352	ATLKRAFSAKSVI
4250	Q9Y3S1	356	RASFAKSVIDTPE
4251	Q9Y3S1	560	EQQDVGSPDFKARG
4252	Q9Y3S1	1150	TSGKELS DSCEGA
4253	Q9Y3S1	1262	KAEDMLS EDTDAD
4254	Q9Y3S1	1588	VDSTIKS LDEKLRL
4255	Q9Y3S1	1685	SSMTAES SPRSML
4256	Q9Y3S1	1736	GGEAGESSAEPPP
4257	Q9Y3S1	1817	YLDEAPS SPDVKL
4258	Q9Y3S1	1818	LDEAPSS PDVKLA
4259	Q9Y3S1	1862	PVQKQASLPVSGS
4260	Q9Y3S1	1889	RPSRAGSLGPETP
4261	Q9Y3S1	2067	ICSGLAS DGGGAR
4262	Q9GZV5	89	QHVRSHSSPASLQ
4263	Q9GZV5	105	GAGAAGSSPAQQHA
4264	Q9GZV5	311	YHSREQSTDGLG
4265	P98170	87	GRHRKVS PNCRFI
4266	P23025	196	SLEVWGSQEALEE
4267	P18887	140	QPYSKDS PFGLSF
4268	P18887	199	SRINKTS PVTASD
4269	P18887	204	TSPVTAS DPAGPS
4270	P18887	226	SAASSAS PVSRAI
4271	P18887	241	TSKPQES PKGKRK
4272	P18887	259	EKKTPS KPPAQL
4273	P18887	371	ANTPKYS QVLGLG
4274	P18887	408	LMAGPGSS SSEEDE
4275	P18887	409	MAGPGSS SSEEDEA
4276	P18887	410	AGPGSS SSEEDEAS
4277	P18887	421	ASHSGGS GDEAPK
4278	P18887	446	TQAAGPS SPQKPP

4279	P18887	447	QAAAGPSSPQKPPT
4280	P18887	461	EETKAASPVQLQED
4281	P18887	485	DNGAEDSGDTEDE
4282	P18887	518	EDPYAGSTDENTD
4283	P13010	577	QGGAHFSVSSLAE
4284	P13010	579	GAHFSVSSLAEAGS
4285	P13010	580	AHFSVSSLAEAGSV
4286	Q13426	237	ESTDEESENQTDL
4287	Q13426	256	AVSKDDSSISSL
4288	Q13426	260	DDSIISLDVTDI
4289	Q13426	320	ISAENMSLETLRN
4290	Q13426	327	LETLRNSSPEDLF
4291	Q13426	328	ETLRNSSPEDLFD
4292	P12956	6	MMSGWESYYKTEG
4293	P12956	51	SKAMFESQSEDEL
4294	P12956	477	FTYRSDFSLENPVL
4295	P12956	520	MNKRLGSLVDEFK
4296	P12956	550	KHDNEGSGSKRPK
4297	P46937	61	VHVRGDSETDLEA
4298	P46937	109	SHSRQASSTDAGTA
4299	P46937	127	QHVRAHSSPASLQ
4300	P46937	128	HVRAHSSPASLQL
4301	P46937	131	AHSSPASLQLGAV
4302	P46937	138	LQLGAVSPGTLTP
4303	P46937	164	QHLRQSSFEIPDD
4304	P46937	274	AMNQRISQSAPVK
4305	P46937	289	PPLAPQSPQGGVM
4306	P46937	367	TQNPVSSPGMSQE
4307	P46937	371	VSSPGMSQELRTM
4308	P46937	397	YHSRDESSTDGLS
4309	P46937	400	RDESTDSGLSMS
4310	P46937	403	STDSGLSMSSYSV
4311	P67809	102	PRKYLRSVGDG
4312	P67809	165	QONYQNSSEGEKN
4313	P67809	167	NYQNSESGEKNEG
4314	P67809	174	GEKNEGSESAPPEG
4315	P67809	176	KNEGSESAPEGQA
4316	P67809	314	PPAENSSAPEAEQ
4317	Q9UK55	56	EDEQEASEEKASE

(2) List of the 43,532 peptide samples in the negative subset $\mathbb{S}_{\xi=6}^-(\$)$

Sample #	Protein ID	Site	Sequences
1	A6ND36	18	NHVNWRSSESKPE
2	A6ND36	60	NIRD F LELELKR
3	A6ND36	78	EVYDPG S EDPRGT
4	A6ND36	87	PRGTGP S QGPEDN
5	A6ND36	102	GDGEE A S GADGVP
6	A6ND36	116	EAEP LPS LEYWPQ
7	A6ND36	148	RGVTRASVYMQPP
8	A6ND36	170	VVRKMI S QAQKVI
9	A6ND36	210	YIIVDE S NVKYFL
10	A6ND36	236	KNLDRV R SSGGTEF
11	A6ND36	276	SYSFTWSAARTDR
12	A6ND36	286	TDRNVI S VLSGQV
13	A6ND36	289	NVISV L S GQVVEM

14	A6ND36	307	QELYLMSHSVSLK
15	A6ND36	309	LYLMSHSVSLKGI
16	A6ND36	330	EPIVLPSVVPLVP
17	A6ND36	423	PDPEPGSDILGYI
18	A6ND36	453	IKIRDTSQASAQH
19	A6ND36	521	VLARDSSDIGWVL
20	A6ND36	559	PLQRQLSVDQDDP
21	A6ND36	595	TLSDDQSMSGSSG
22	A6ND36	599	QDSHSGSSGRGPG
23	A6ND36	600	DHSQGSSGRGPGP
24	A6ND36	613	RRPSVASVSEYY
25	A6ND36	626	FEVREHSVPLRRR
26	A6ND36	671	GSPWAQSRGREEA
27	A6ND36	729	AADSVQSTRNAG
28	A6ND36	760	LLPDPGSPRLAQN
29	A6ND36	788	PFGIPYSKLSQSK
30	A6ND36	803	KARTGGSQWASSD
31	A6ND36	807	GGSQWASSDSKRR
32	A6NHR9	38	DRREKESELGDRP
33	A6NHR9	51	LQVGERSDYAGFR
34	A6NHR9	67	CQTLGISPEEKFV
35	A6NHR9	78	FVITTSRKETIC
36	A6NHR9	102	TLYLLQSVNQLLL
37	A6NHR9	127	YDTLVKSQMYEYY
38	A6NHR9	152	AELIDNSLSATSR
39	A6NHR9	216	DFESDHSGYVRPV
40	A6NHR9	230	VPRSLNSDISYFG
41	A6NHR9	259	ISKPADSQDVHEL
42	A6NHR9	284	NKEAIYSGYIRNR
43	A6NHR9	318	EEKEKDSFTAVVI
44	A6NHR9	754	LKVILHSSGNKE
45	A6NHR9	799	QVVLNESNADTYA
46	A6NHR9	871	LEASGLSLHYEEI
47	A6NHR9	936	LKVKPDSIELVIE
48	A6NHR9	991	CSSSGTSLTGSA
49	A6NHR9	996	TSILTGSQIQVQN
50	A6NHR9	1187	NQIQAFSPSSLSS
51	A6NHR9	1192	FSPSSLSSLSIAG
52	A6NHR9	1218	ENTQSIIVRGIFK
53	A6NHR9	1242	FTWREFSDFIRVQ
54	A6NHR9	1268	WPELKESIPVING
55	A6NHR9	1380	KYDKDASFLAGGL
56	A6NHR9	1411	INPARISMKMWKL
57	A6NHR9	1503	PPTPAVSNVRSVA
58	A6NHR9	1586	SSPGRDSTEYFIV
59	A6NHR9	1601	PRPLLLSRTLEPY
60	A6NHR9	1709	KKKPRRSCTLPNY
61	A6NHR9	1790	LPDWKRSLPHFRN
62	A6NHR9	1921	AVCKLDSVNKDLN
63	A6NHR9	1970	IRKCNDSLRHSPK
64	A6NHR9	1974	NDSLRLHSQPKVETT
65	A8K4G0	11	PALLLISLSCGCF
66	A8K4G0	13	LLLLSLSGCFSIQ
67	A8K4G0	17	SLSGCFSIQGPES
68	A8K4G0	23	SIQGPESVRAPEQ
69	A8K4G0	31	RAPEQGSQTVQCH
70	A8K4G0	67	LIETRGSEQGEKS
71	A8K4G0	73	SEQGEKSQDRVSIK

72	A8K4G0	77	EKSDRVS I KDNQK
73	A8K4G0	128	DPEGAAS T TASSP
74	A8K4G0	132	AASTTA S PPTNSN
75	A8K4G0	133	ASTTASS S PTNSNM
76	A8K4G0	137	ASSPTNS N MAVFI
77	A8K4G0	145	MAVFIG S HKRNYH
78	A8K4G0	175	ILWLKG S QRVPEE
79	A8K4G0	192	PIYMNFS E PLTKD
80	000151	31	EQPLAIS S RVTPGS
81	000151	37	SRVTPGS K AAALAN
82	000151	59	IDGENTS N MTHLE
83	000151	84	TLTVARSE H KVWS
84	000151	90	SEHKVWS P LVTEE
85	000151	108	YKMNLASE P QEVL
86	000151	118	EVLHIG S AHNRSA
87	000151	123	GSAHNRSAMPFTA
88	000151	130	AMPFTAS P ASSTT
89	000151	133	FTASP A SSTTARV
90	000151	134	TASP A SSTTARVI
91	000151	152	NPAGLY S SENISN
92	000151	153	PAGLYS S ENISNF
93	000151	157	YSSENIS N FNNAL
94	000151	165	FNNALES S KTAASG
95	000151	170	ESKTAAS G VEANS
96	000151	176	SGVEANS R PLDHA
97	000151	186	DHAQPP S LVIDK
98	000151	187	HAQPPSS L VIDKE
99	000151	194	LVIDKE S EVYKML
100	000151	213	NEPPKQS T TSFLVL
101	000151	215	PPKQSTS F LVLQE
102	000151	225	LQEILE S EEKGDP
103	000151	235	GDPNKPS G FRSVK
104	000151	239	KPSGFRSV K APVT
105	000151	250	VTKVAAS I GNAQK
106	000159	38	VRVTMESALTARD
107	000159	86	IGPVLV S VNPYRD
108	000159	142	VMISGES G GAKTE
109	000159	177	DRDLQL S NPVLEA
110	000159	195	TLRNDNS S RFGKY
111	000159	219	VGGHIL S YLLEKS
112	000159	225	SYLLEKS R VVHQN
113	000159	263	LERNPQS Y LYLVK
114	000159	276	GQCAKV S SINDKS
115	000159	277	QCAKVSS I NDKSD
116	000159	325	FAANEE S NAQVTT
117	000159	367	KGEELLS P LNLEQ
118	000159	387	LAKAVY S RFTFWL
119	000159	403	INRSLAS K DVESP
120	000159	408	ASKDV E PSWRST
121	000159	432	EVFQHNS F EQFCI
122	000159	492	KFKGIIS I LDEEC
123	000159	554	AGEVTY S VTGFLD
124	000159	583	SKNPIMS Q CFDRS
125	000159	589	SQCFCDR S ELSDKK
126	000159	592	FDRSEL S DKKRPE
127	000159	677	FLQRYK S LCPETW
128	000159	736	LEVRRQ S LATKIQ
129	000159	766	SAICIQ S WWRGTL

130	000159	844	PALREASELLREL
131	000159	878	QKAVASEIFKGK
132	000159	898	VPRLFISTR LGTD
133	000159	907	LGTDEISPRVLQA
134	000159	916	VLQALGSEPIQYA
135	000159	937	KGYKPRS RQLLT
136	000159	975	VSSLSDS L FVLHV
137	000159	1009	LTKTALSANRVNS
138	000159	1022	ININQGS ITFAGG
139	000161	20	HQITDESLESTRR
140	000161	23	TDESLES TRRI LG
141	000161	34	LGLAIES QDAGIK
142	000161	95	RTKNFES G KAYKT
143	000161	110	GDGGENS PCNVVS
144	000161	116	SPCNVVS K QPGPV
145	000161	136	PTTGAAS GGYIKR
146	000161	161	NLTQVGS ILGNLK
147	000165	18	GFPGPRS HRDPFF
148	000165	43	EEEEEGGS WGRGNP
149	000165	53	GNPRFHSPQHPPE
150	000165	66	EFGFGFS FSPGGG
151	000165	68	GFGFSFS PGGGIR
152	000165	90	LVRDFNS IFSDMG
153	000165	93	DFNSIFS DMGAWT
154	000165	102	GAWTLPS HPPELP
155	000165	112	ELPGPESETPGER
156	000165	128	GQTLRDSMLKYPD
157	000165	135	MLKYPDSHQPRIF
158	000165	147	FGGVLES DARSES
159	000165	151	LES DARS E SPQPA
160	000165	153	SDARSES P QPAPD
161	000165	162	PAPDWGS QRPFHR
162	000165	189	EDNDLDS QVSQEG
163	000165	192	DLD SQVS QEGLGP
164	000165	206	LQPQPKSYFKSIS
165	000165	210	PKSYFKS IS VTKI
166	000165	212	SYFKS IS VTKITK
167	000165	232	RRTVVDS EGRTET
168	000165	247	TRHEADS SPRGD P
169	000165	248	RHEADSS PRGDPE
170	000165	255	PRGDPE S PRPPAL
171	000165	266	ALDDAFS I LD LFL
172	000168	22	TMAKAES PKEHDP
173	000168	35	FTYDYQS LQIGGL
174	000168	57	GILIVL S RRCRCK
175	000168	82	EEGTFRS SIRRLS
176	000194	18	LLALGDS GV GKTT
177	000194	61	AQGPNGS SGKAFK
178	000194	62	QGPNGSS GKA FKV
179	000194	83	GQERFRS LT TAFF
180	000194	103	LMFDLTS QQ SFLN
181	000194	106	DLTSQQS F L N VRN
182	000194	115	NVRNWMS QLQANA
183	000194	163	I PYFET S AAT GQN
184	000194	203	TVNGGNS GNLDGE
185	000204	21	TYEDDI SEIS QKL
186	000204	24	DDISEIS Q KLPGE
187	000204	45	FPVGLYS LESI SL

188	000204	48	GLYSLESISLAEN
189	000204	50	YSLEISISLAENTQ
190	000204	71	IITYPKSGTTWMI
191	000204	90	LKEGDPSWIRSVP
192	000204	94	DPSWIRSVPIWER
193	000204	112	TIVGAFSLPDQYS
194	000204	118	SLPDQYSPRLMSS
195	000204	123	YSPRLMSHLPIQ
196	000204	124	SPRLMSSHLPQI
197	000204	137	FTKAFFSSKAKVI
198	000204	155	PRDVVVSPLYHYSK
199	000204	160	VSLYHYSKIAGQL
200	000204	188	GEVQFGSWFDHIK
201	000204	220	QQDLQGSVERICG
202	000204	239	GKEALGSVVAHST
203	000204	244	GSVVAHS TFSAMK
204	000204	247	VAHSTFSAMKANT
205	000204	255	MKANTMSNYTLLP
206	000204	263	YTLLPPSLLDHRR
207	000204	290	HFTVAQSEAFDRA
208	000204	318	DPEEDGS PDPEPS
209	000204	324	SPDPEPS PEPEPK
210	000204	332	EPEPKPSLEPNTS
211	000204	338	SLEPNTS LEREPR
212	000204	347	REPRPNSSPSPSP
213	000204	350	RPNSSSPSPPGQA
214	000204	352	NSSPSPSPGQASE
215	000204	357	PSPGQASETPHPR
216	000213	8	SVPSSLQSAINA
217	000213	10	PSSLSQSAINANS
218	000213	16	SAINANS HGGPAL
219	000213	23	HGGPALSLPLPLH
220	000213	52	GPKDLRSAMGEGG
221	000213	118	GLIHLYSELELSA
222	000213	123	YSELELSAHNAAN
223	000213	175	EEEDLSSPPGLPE
224	000213	185	LPEPLESVEAPPR
225	000213	203	DGPREHSKSASLL
226	000213	228	SSWATLSQGSPSY
227	000213	236	GSPSYGS PEDTDS
228	000213	242	SPEDTDS FWNPNA
229	000213	266	MRVQDTSGTYYW
230	000213	322	FWKDEPS DEAPME
231	000213	347	FPAQSLSP EPLPQ
232	000213	374	KCFAVRS LGVEM
233	000213	390	ELAPGRSSVAVNN
234	000213	391	LAPGRSSVAVNNC
235	000213	402	NCIRQLSYHKNNL
236	000213	413	NLHDPMSSGGWGE
237	000213	438	KLVEPQSQALLHA
238	000213	449	HAQPIISIRVGWV
239	000213	459	WGVGRDSSGRERDF
240	000213	494	AKNIATS LHEICS
241	000213	573	ESVLSSSSREQWT
242	000213	584	WTPSHVS VAPATL
243	000213	610	CRVRFLS FLAVGR
244	000213	631	MAAGPAS FCCHMF
245	000213	645	CEPNAASLSEAVQ

246	000213	647	PNAASLSEAVQAA
247	000213	669	DARSQASTSCLPA
248	000213	695	VRRGVQS L WGSLK
249	000231	14	EFQRAQS L STD R
250	000231	17	RAQSLL S TDREAS
251	000231	23	STDREAS I DILHS
252	000231	29	SIDILHSIVKRDI
253	000231	49	VQVKEQSILELGS
254	000231	55	SILELGS L LA K TG
255	000231	79	VRPFLNSISKAKA
256	000231	81	PFLNSISKAKAAR
257	000231	91	AARLVRS L LDLFL
258	000231	119	CIEWAKSEKRTFL
259	000231	135	LEARLV S LYFDTK
260	000231	151	EALHLGSQ L REL
261	000231	174	EVQ L LES K TYHAL
262	000231	181	KTYHALSNLPKAR
263	000231	192	ARAALT S ARTTAN
264	000231	214	ATLDMQS G IHAA
265	000231	230	DWK T AYSYFYEA F
266	000231	241	A F EGYD S IDSPKA
267	000231	244	GYDSIDS P KAITS
268	000231	250	SPKAITS L KYMLL
269	000231	272	DVQALVS G KLALR
270	000231	294	KCVAQASKNRSLA
271	000231	298	QASKNRS L ADFEK
272	000231	320	RDDPII S THLAKL
273	000231	343	RVIEPFS R VQIEH
274	000231	351	VQIEHIS S LIKLS
275	000231	352	QIEHISS L IKLSK
276	000231	357	SSLIKLS K ADVER
277	000231	366	DVERKLSQMILD K
278	000231	408	ETIQNMSKVDSL
279	000231	413	MSKVVD S LYNKAK
280	000232	21	KMEVDYSATVDQR
281	000232	49	VIETLLS E KQTR
282	000232	58	KQTRTAS D MVSTS
283	000232	62	TASDMV S TSRILV
284	000232	64	SDMVST S RILVAV
285	000232	91	ENIMLLSKRRSQL
286	000232	95	LLSKRRS Q LKQAV
287	000232	164	DVK E AAS I LQELQ
288	000232	176	QVETYGS M EKKER
289	000232	206	IRTQII S KKINTK
290	000232	239	LDQHEGS Y LSICK
291	000232	242	HEGSYLSICKHYR
292	000232	260	PCIQAES E KWQQA
293	000232	269	WQQALKS V VLYVI
294	000232	284	PFDNEQS D LVHRI
295	000232	291	DLVHRIS G DKKLE
296	000232	318	MELMRWS T LVEDY
297	000232	332	MELRKGS L ESPAT
298	000232	335	RKG S LES P ATDVF
299	000232	343	ATDVFG S TEE E GEK
300	000232	385	AQLLDLS V DESEA
301	000232	389	DLSVDESEAFLSN
302	000232	394	ESEAFLSNLVVNK
303	000232	429	NLLNDWS Q KLNSL

304	000232	434	WSQKLNSLMSLVN
305	000232	437	KLNSLMSLVNKTT
306	000257	15	HVFVESIEKKRI
307	000257	36	VKWRGWSPKYNTW
308	000257	90	PTFARRSNVLTGL
309	000257	99	TGQLQDSSTDNRA
310	000257	100	TGQLQDSSTDNRAK
311	000257	124	HQYELNSKKHHQY
312	000257	134	HQYQPHSKERAGK
313	000257	147	PPPPGKSGKYYYYQ
314	000257	156	YYYQLNSKKHHPY
315	000257	182	GHKEAPSPTCPDL
316	000257	192	PDLGAKSHPPDKW
317	000257	225	GAPKGKGSEKGPPN
318	000257	267	RIVIVMSKYMENG
319	000257	281	QAVKIKSGEVAEG
320	000257	291	AEGEARSPSHKKR
321	000257	293	GEARSPSHKKRAA
322	000257	333	RREEEVSGVSDPQ
323	000257	336	EEVSGVSDPQPQD
324	000257	345	QPQDAGSRKLSPT
325	000257	349	AGSRKLSPTKEAF
326	000257	381	RNTHPPSHHPH
327	000257	407	AVGLNLSHVRKRC
328	000257	415	VRKRCLSETHGER
329	000257	432	KRLTARSISTPTC
330	000257	434	LTARSIISTPTCLG
331	000257	442	PTCLGGSPAERP
332	000257	467	EVILLDSLDDEPI
333	000257	482	RCVKTRSEAGEPP
334	000257	489	EAGEPPSSLQVKP
335	000257	490	AGEPPSSLQVKPE
336	000257	500	KPETPASAABAAVA
337	000257	529	QDEPAESLSEFKP
338	000257	531	EPAESLSEFKPFF
339	000264	14	ATGADPSDLESGG
340	000264	18	DPSDLESGGLLHE
341	000264	28	LHEIFTSPLNLLL
342	000264	122	FAGRDAASRGLATF
343	000264	143	DEYDDLSDLTAAQ
344	000264	154	AQQETLSDWESQF
345	000264	158	TLSDWESQFTFKY
346	000267	15	FSEEEDSERSSDG
347	000267	36	RRSAAGSEKEEFP
348	000267	120	VLDEDRSGARRLQ
349	000267	162	GGSDELSDDITQQ
350	000267	195	ERATAISLMRKFI
351	000267	214	TPLQIKSVVAPEH
352	000267	347	DAEKIRSLLGGDVA
353	000267	367	FEGNRYSRKGLFL
354	000267	379	FKSFAMSNAVITEG
355	000267	442	LQGKILSVDGNKI
356	000267	522	RDLQLCSETASGV
357	000267	526	LCSETASGVDVGG
358	000267	691	GSPGGGGGGMSRG
359	000267	738	ARVELHSCTQQTIS
360	000267	773	RTPMYGSQTPMYG
361	000267	782	PMYGSGSRTPMYG

362	000267	804	RTPHYGSQTPLHD
363	000267	812	TPLHDGSRTPAQS
364	000267	818	SRTPAQSGAWDPN
365	000267	847	DDEPTPSPQAYGG
366	000267	891	YNTDQFSPYAAPS
367	000267	901	APSPQGSYQPSPS
368	000267	907	SYQPSPSPQSYHQ
369	000267	917	YHQVAPSAGYQN
370	000267	929	NTHSPASYHPTPS
371	000267	935	SYHPTPSPMAYQA
372	000267	942	PMAYQASPSPSPV
373	000267	946	QASPSPSPVGYSP
374	000267	959	MTPGAPS PGGYNP
375	000267	970	NPHTPGSGIEQNS
376	000267	976	SGIEQNSSDWVTT
377	000267	1013	VTGGMCSVYLKDS
378	000267	1057	ATGVLLSIDGEDG
379	000273	12	DAGVPESGEIRTL
380	000273	28	LLRRNYSRREQHGV
381	000273	37	QHGVAASCLEDLR
382	000273	44	CLEDLRSKACDIL
383	000273	55	I LAIDKS LT PVT L
384	000273	81	YFLCLPSNTKFVA
385	000273	90	KFVALASNEKWAY
386	000273	99	KWAYNNSDGGTAW
387	000273	107	GGTAWISQESFDV
388	000273	110	AWISQESFDVDET
389	000273	118	DVDETDSGAGLK W
390	000273	136	QLKEDLSSIIILLS
391	000273	137	LKEDLSSIIILLSE
392	000273	142	SSIILLSEEDLQM
393	000273	155	LVDAPCSDLAQEL
394	000273	164	AQELRQSCATVQR
395	000273	188	REEVRQSKQLLQL
396	000273	204	ALEKEGSLLSKQE
397	000273	207	KEGSLLSKQEE SK
398	000273	212	LSKQEE SKAAFGE
399	000273	228	AVDTGISRETSSD
400	000273	232	GISRETS SDVALA
401	000273	233	ISRETSS DVALAS
402	000273	239	SDVALASHILTAL
403	000273	254	KQAPELSSLSSQDL
404	000273	256	APELSSLSSQDLEL
405	000273	257	PELSLSSQDLELV
406	000273	302	RLQQTQSLHSLRS
407	000273	305	QTQSLHS LRSISA
408	000273	308	SLHSLRS ISASKA
409	000273	310	HSLRSISASKASP
410	000273	312	LRSISASKASPPG
411	000273	315	ISASKASPPGDLQ
412	000303	9	TPAVPV SAPPATP
413	000303	25	PAAAPASVPAPTP
414	000303	45	PAAAPAS SSDPAA
415	000303	47	AAPASSSDPAAA
416	000303	65	PGQTPASAQAPAQ
417	000303	101	HPVILASIVDSYE
418	000303	105	LASIVD SYERRNE
419	000303	128	GTVDKHSVEVTNC

420	000303	136	EVTNCFSVPHNES
421	000303	142	SVPHNESEDEVAV
422	000303	164	ELHKKVS PNELIL
423	000303	183	HDITEHSVLIHEY
424	000303	191	LIHEYYSREAPNP
425	000303	205	HTLVDTSLQNGRM
426	000303	212	LQNGRMSIKAYVS
427	000303	218	SIKAYVSTLMGVP
428	000303	266	NRVIGLSDLQQV
429	000303	267	RVIGLSSDLQQVG
430	000303	276	QQVGGASARIQDA
431	000303	284	RIQDALSTVLQYA
432	000303	295	YAEDVLSGKVSAD
433	000303	299	VLSGKVSADNTVG
434	000303	310	VGRFLMSLVNQVP
435	000303	329	FETMLNSNINDLL
436	000303	346	LANLTQS QIALNE
437	000330	25	GFPGRSSVGLVKG
438	000330	36	KGALGWSVSRGAN
439	000330	38	ALGWSVS RGANWR
440	000330	48	NWRWFHSTQWLRG
441	000330	63	IKILMPSLSPTME
442	000330	65	ILMPSLSPTMEEG
443	000330	85	KEGEAVSAGDALC
444	000330	105	VVTLDASDDGILA
445	000330	119	IVVEEGSKNIRLG
446	000330	126	KNIRLGS LIGLIV
447	000330	154	GPPPPVSKPSEPR
448	000330	157	PPVSKPSEPRPSP
449	000330	162	PSEPRPSPEPQIS
450	000330	168	SPEPQISIPVKKE
451	000330	185	TLRFRLSPAARNI
452	000330	196	NILEKHS LDASQG
453	000330	200	KHSLDASQGTATG
454	000330	245	ATPTAPSPLQATA
455	000330	254	QATAGPSYPRPVI
456	000330	264	PVIAPPSTPGQPN
457	000330	281	FTEIPASNIRRVI
458	000330	294	AKRLTESKSTVPH
459	000330	296	RLTESKS TPHAY
460	000330	327	KDDIKVS VNDFII
461	000330	364	LPFIDISVAVATD
462	000330	392	IQEIA DSVKALSK
463	000330	397	DSVKALS KKARDG
464	000330	414	EYQGGSFSISNL
465	000330	416	YQGGSFS ISNLGM
466	000330	418	GGSF SISNLGMFG
467	000330	473	ITVTMSS DSRVVD
468	000330	475	VTMSSSD RVVDDE
469	000330	489	ATRFLKS F KANLE
470	000391	8	RRCNSGS GPPPSL
471	000391	13	GSGPPPS LLLLLL
472	000391	33	ANAAPRS ALYS P S
473	000391	37	PR SALYS PSDPLT
474	000391	39	SALYS P S DPLT LL
475	000391	57	RGAVLGS RSAWAV
476	000391	59	AVLGSRS AWA VEF
477	000391	68	AVEFFA SWCGHCI

478	000391	107	CAEETNSAVCRDF
479	000391	156	LIDALESHHDTWP
480	000391	197	IFEKGGSYLGREV
481	000391	245	LLFRNGSVSRVPV
482	000391	247	FRNGSVSRVPVLM
483	000391	255	VPVLMESSRSFYTA
484	000391	257	VLMESRSFYTAYL
485	000391	306	YMADLESALHYIL
486	000391	353	VQNFLHSVNEWLK
487	000391	396	WIGCQGSEPHFRG
488	000391	406	FRGFPCSLWVLFH
489	000391	463	EQMAAASMHRVGS
490	000391	480	VLWLWSSHNRVNA
491	000391	493	RLAGAPSEDQFP
492	000391	538	KAHFSPSNIILDF
493	000391	549	DFPAAGSAARRDV
494	000391	573	GALELESRNSTLD
495	000391	588	KPEMMKSPTNTTP
496	000391	604	AEGPEASRPPKLH
497	000391	643	LGQWHLISKRDGTGA
498	000391	674	VRRVGRSSKQLVD
499	000391	706	VLGGGFSYLDISL
500	000391	720	VGLYSLSFMGLLA
501	000399	8	AEKTQKSVKIAPG
502	000399	21	AVVCVESEIRGDV
503	000399	96	FEVGCYSQAMKMG
504	000399	109	DNNVIESKAYVGR
505	000399	121	RNVILTSGCIIGA
506	000401	19	RVTNVGSLLLTPQ
507	000401	29	TPQENESLFTFLG
508	000401	42	KKCVTMSSAVVQL
509	000401	43	KCVTMSSAVVQLY
510	000401	58	DRNCMWSKKCSGV
511	000401	62	MWSKKCSGVACLV
512	000401	75	KDNPQRSSYFLRIF
513	000401	102	NNFVYNSPRGYFH
514	000401	145	GRRQRKSEKRRDP
515	000401	183	PQVNNIISHTKEKK
516	000401	207	ADIGTPSNFQHIG
517	000401	252	LKDRETSKVIYDF
518	000401	283	PPPPPPSRGGPPP
519	000401	297	PPPPHNSSGPPPPP
520	000401	315	APPAPPSSRAPTAA
521	000401	328	PPPPPPSRPSVAV
522	000401	331	PPPSRPSVAVPPP
523	000401	352	PPPALPSSAPSGP
524	000401	353	PPALPSSAPSGPP
525	000401	356	LPSSAPSAPGPPP
526	000401	364	PPPPPPSVLGVGP
527	000401	393	PPGGLPSDGDHQV
528	000401	426	KKVEQNSRPVSCS
529	000401	430	QNSRPVSCSGRDA
530	000401	432	SRPVSCSGRDALL
531	000401	449	QGIQLKSVADGQE
532	000401	456	VADGQESTPPTPA
533	000401	465	PTPAPTSGIVGAL
534	000401	479	EVMQKRSKAIHSS
535	000410	20	LLGNLLSPDNVVR

536	000410	40	ENIPGQS KITFLL
537	000410	71	LLRRLLS SAFDEV
538	000410	83	VYPALPS DVQTAI
539	000410	139	LKFLFD SVSSQNV
540	000410	141	FLFD SVSSQNVGL
541	000410	142	LFDSVSS QNVGLR
542	000410	188	QDQEHP SIRTL SA
543	000410	235	CYQNDD SVLKSLV
544	000410	239	DDS VLKS LVEIAD
545	000410	262	EATLQLS SLKL CGD
546	000410	270	KLCGDT SLNNMQR
547	000410	334	EDDDFD SNAVAGE
548	000410	476	TEDCPK SLLIPYL
549	000410	491	LVKHLHS IMVLKL
550	000410	562	KTIECI S LI GLAV
551	000410	606	QISYMI SAWARMC
552	000410	726	RVAAAES MPPLL IE
553	000410	763	IGTEPDS DVLSEI
554	000410	767	PDS DVL SEIMHSF
555	000410	772	LSEIMH SFAKCIE
556	000410	843	YILTKV SDILHSI
557	000410	848	VSDILH S IFSSYK
558	000410	851	ILHSIF SSYKEKV
559	000410	852	LHSIFSS YKEKVL
560	000410	899	EHCSPAS FKYAEY
561	000410	918	QYVCDNS PEVRQA
562	000410	957	LVRVIQS ADS STK
563	000410	960	VIQSAD SKTKENV
564	000410	998	VLPHWL SWLPLHE
565	000410	1022	LCDLIES NHPIVL
566	000410	1040	NLPKIFS IIAEGE
567	000410	1083	ECIAQLS PEQQAA
568	000418	31	GDSDGDS DDEEGY
569	000418	54	SNQNVNS KVN KYY
570	000418	70	TKSERYS SSGSPA
571	000418	74	RYSSSG S PANFH
572	000418	135	VLIKMAS QPFGRG
573	000418	165	QQWKGAS NYVAKR
574	000418	241	KYIKYN NSNGFVR
575	000418	243	IKYNSNS GFVRDD
576	000418	266	HFTFERS GHQLIV
577	000418	311	MALFFY SHACNRI
578	000418	320	CNRICES MGLAPF
579	000418	329	LAPFDLS PRERDA
580	000418	345	NTKLLQS AKTILR
581	000418	368	VRTLSGS RPPLL R
582	000418	377	PLL RPL SENSGDE
583	000418	380	RPLSENS GDENMS
584	000418	386	SGDENMS DVTFDS
585	000418	392	SDVTFDS SLPSSPS
586	000418	396	FDSL PSS PSSATP
587	000418	416	LHWPVFS DLDNMA
588	000418	438	HRESENS GDSGYP
589	000418	441	SENS GDS GYPSEK
590	000418	462	PREHGHS YSNRKY
591	000418	492	WNLLN SSRL HLPR
592	000418	521	EKKIGKS ILGKVH
593	000418	550	EEWDQES SAVFHLE

594	000418	575	GLGLMYSQLPHHI
595	000418	586	HILADVS L KETEE
596	000418	612	EAGDRQ S MILVAR
597	000418	622	VARAFD S GQNLSP
598	000418	689	EKDPQR S GDLYTQ
599	000429	35	VVVTGTQ S SGKSSV
600	000429	39	TQSSGK S SVLES L
601	000429	40	QSSGK S VLES L V
602	000429	44	KSSVLES L VGRLD L
603	000429	119	NETERIS G NNKG V
604	000429	126	GNNKG V S P EPIHL
605	000429	175	LILRFI S NPNSII
606	000429	179	FISNPNS I ILAVT
607	000429	248	IGVVNR S QLDINN
608	000429	257	DINNKK S VTDSIR
609	000429	275	LQKKYPS L ANRNG
610	000429	330	EPVDDKS A TLQL
611	000429	380	FGRTLE S VDPLGG
612	000429	412	LFVPEV S FELLVK
613	000429	428	KRLEEPS L R C VEL
614	000429	450	QHCSNY S TQELLR
615	000429	529	ELPSAV S RDKSSK
616	000429	533	AVSRDK S KVPSA
617	000429	534	VSRDK S KVPSAL
618	000429	538	KSSKVPS A LAPAS
619	000429	544	SALAPAS Q EPSPA
620	000429	552	EPSPAAS A EADGK
621	000429	563	GKLIQD S RRET K N
622	000429	572	ETKNVAS G GGGVG
623	000429	596	RGMLKT S KAELL
624	000429	653	IERLIK S YFLIVR
625	000429	665	RKNIQD S VPKAVM
626	000429	693	VGQLYK S SLLDDL
627	000429	694	GQLYK S SLLDDL
628	000429	703	DDLLTE S EDMAQR
629	000429	724	KALQGASQ I IAEI
630	000443	16	FKECPSS H PEPTR
631	000443	124	PVTPIL S PSFSAQ
632	000443	181	RMPTFP S TEPIYL
633	000443	188	TEPIYLS I PGQSP
634	000443	211	PFHPQGS L PIYRP
635	000443	220	IYRPVV S TDMAKL
636	000443	234	DKIAST S FLKNG
637	000443	251	DLEITDS K VSNLQ
638	000443	336	VATVTRS Q SLNIR
639	000443	363	DPNGTSS L PTGSS
640	000443	368	SSLPTGS S L Q EV
641	000443	444	TFTCDVS S TV E II
642	000443	469	NQVDVGS Y VLKVC
643	000443	629	GEDTSRS S TRGSL
644	000443	702	ISSNWV S NYEKYY
645	000443	819	TSSHTNS V PGTVT
646	000443	884	ILHKDSS L GLSKE
647	000443	948	ALELLD S KFADQE
648	000443	1036	VLGALL S VGGKRL
649	000443	1084	SMERVQSFFQKNK
650	000443	1176	VIFKCL S TGRDRG
651	000443	1235	SENF I Y S CAGCCV

652	000443	1281	HAQMFGSFKRDRA
653	000443	1335	LFLNLLSLMIPSG
654	000443	1403	RFSGLPSNDEPIL
655	000443	1410	NDEPILSFSPKTY
656	000443	1428	GRIKEVSVFETYHK
657	000443	1518	QSLMNASTDVAEC
658	000443	1566	GGAVKLSISYRNG
659	000443	1615	KRKTKISRKTRNP
660	000443	1630	NEMLVYSGYSKET
661	000459	34	GDVLVVSRAALQA
662	000459	119	DLPEQFSPPDVAP
663	000459	142	ERTGLDSESHYRP
664	000459	144	TGLDSESHYRPEL
665	000459	158	APRTDWLSLDVDQ
666	000459	160	RTDWSLSDVDQWD
667	000459	176	LADGIKSFLLALP
668	000459	191	LVTPEASAEARRA
669	000459	234	HLGRVASRAPALG
670	000459	262	RAPPSSSPPPGG
671	000459	263	APPSSSPPPGGA
672	000459	273	GGAPDGSEPSPDF
673	000459	313	PKAKPASTVLANG
674	000459	321	VLANGSSPPSLQD
675	000459	336	WYWGDISREEVNE
676	000459	358	FLVRDASSKIQGE
677	000459	359	LVRDASSKIQGEY
678	000459	390	DGHYGFSEPLTFC
679	000459	397	EPLTFCSVVDSLIN
680	000459	426	RLLYPVSKYQQDQ
681	000459	438	QIVKEDSVEAVGA
682	000459	502	QTQEKCSEKEYLER
683	000459	525	QRILLNSERLKSR
684	000459	530	NSERLKSRIAEIH
685	000459	538	IAEIHESRTKLEQ
686	000459	551	QLRAQASDNREID
687	000459	562	IDKRMNSLKPDLIM
688	000459	637	QAEEMLSGKRDGT
689	000459	649	TFLIRESSQRGCY
690	000459	650	FLIRESSQRGCYA
691	000459	658	RGCYACSVVVDGD
692	000459	688	PYNLYGSLKELVL
693	000459	700	LHYQHASLVQHND
694	000560	23	QAQTAFSANPANP
695	000560	33	ANPAIILSEASAPI
696	000560	36	AILSEASAPIPHD
697	000560	54	RLYPELSQYMGLS
698	000560	60	SQYMGLSLNEEI
699	000560	74	ANVAVVSGAPLQG
700	000560	87	QLVARPSSINYMV
701	000560	88	LVARPSSINYMA
702	000560	131	IGLRLKSIDNGIF
703	000560	145	QLVQANSPASLVVG
704	000560	148	QANSPASLVGLRF
705	000560	170	ENCAGWSSDKAHK
706	000560	171	NCAGWSSDKAHKV
707	000560	205	ITMHKDSTGHVGF
708	000560	220	KNGKITSIVKDSS
709	000560	225	TSIVKDS SAARNG

710	000560	226	SIVKDSSAARNGL
711	000560	252	VIGLKDSQIADIL
712	000560	259	QIADILSTSGTVV
713	000560	261	ADILSTS GTVVTI
714	000560	285	IKRMAPSIMKSLM
715	000560	289	APSIMKS LMDHTI
716	000562	29	YMIQKKSRREESSG
717	000562	108	PFVEKF SIEIETY
718	000562	173	TGRGPLS DDWART
719	000562	275	QPPGKP S TEARSA
720	000562	300	PPGPDAS PDASFG
721	000562	326	QHGGAVS PQSLSE
722	000562	329	GAVSPQS LSEWRM
723	000562	345	ARDSENS SEEFF
724	000562	373	EMTKWN S ND FIDA
725	000562	435	LFLILHS GNILDS
726	000562	458	DVQTLSSAFEAVT
727	000562	497	ALVSNLSPYSHDG
728	000562	505	YSHDGDS LSRSQD
729	000562	578	FDALCH SANAGTG
730	000562	585	ANAGTGS RGSSRR
731	000562	644	SPEPEGSQNSLQA
732	000562	673	FCPPAAS SEAPDG
733	000562	682	APDGPSS TARLDF
734	000562	698	GFFLFGS PLGLVL
735	000562	780	DTLQTHS SLFLEE
736	000562	793	LEMLVP STPTSTS
737	000562	797	VPSTPT STSGAFW
738	000562	820	AQPAAP STTSEVV
739	000562	923	TSNHRAS DTVVCE
740	000562	964	IMTQPLS GKWIHF
741	000562	1026	TEAVVFS IDGSFT
742	000562	1081	RVVAWL SQHNFPN
743	000562	1110	KAMFLQS LVQEVE
744	000562	1138	YAALGLS PSQTYI
745	000562	1160	AQCQFLS DGYVAH
746	000562	1205	DFLRKQS QLLRSR
747	000571	23	AGLDLNS SDNQSG
748	000571	28	NSSDNQ SGGSTAS
749	000571	57	GFYDKDS SGWSSS
750	000571	76	SSFGSRS DSRGKS
751	000571	92	SDRGSGS RGRFDD
752	000571	109	DYDGIGS RGDRSG
753	000571	114	GSRGDRS GFGKFE
754	000571	125	FERGGNS RWCDKS
755	000571	137	SDEDDWS KPLPPS
756	000571	152	LEQELFS GGNTGI
757	000571	228	ACAQTGS GKTA AF
758	000571	290	EEARKFS YRSRVR
759	000571	425	VVWVEES DKRSFL
760	000571	429	EESDKRS FLLDLL
761	000571	442	NATGKDS LT LVFV
762	000571	456	TKKGADS LEDFLY
763	000571	470	EGYACTS IHGDRS
764	000571	476	SIHGDRS QRDREE
765	000571	492	QFRSGKSP ILVAT
766	000571	520	INFDLPS DIEEYV
767	000571	588	GSSRGRSKSSRFS

768	000571	594	SKSSRFSGGFGAR
769	000571	605	ARDYRQSSGASSS
770	000571	606	RDYRQSSGASSSS
771	000571	609	RQSSGASSSSFSS
772	000571	611	SSGASSSSFSSSR
773	000571	614	ASSSFSSRASS
774	000571	619	FSSRASSSRSGG
775	000571	621	SSRASSSSRSGGGG
776	000571	623	RASSRSGGGHG
777	000571	654	YGGNYNSQGVWW
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779	000622	65	QLNEDCSKTQPCD
780	000622	83	ECNFGASSSTALKG
781	000622	84	CNFGASSSTALKGI
782	000622	95	GICRAQSSEGRPCE
783	000622	104	RPCEYNSSRIYQNG
784	000622	112	IYQNGESFQPNCK
785	000622	139	LCPQELSPLNLGC
786	000622	167	WVCDEDSIKDPME
787	000622	205	IAVGKGSSLKRLPV
788	000622	206	AVGKGSSLKRLPV
789	000622	235	CIVQTTWSQCSK
790	000622	237	VQTTWSQCSKTC
791	000622	240	TSWSQCSKTCGTG
792	000622	248	TCGTGISRTVTND
793	000622	278	CGQPVYSSLKKGK
794	000622	279	GQPVYSSLKKGKK
795	000622	287	KKGKKCSKTKKSP
796	000622	292	CSKTKKSPEPVRF
797	000622	305	TYAGCLSVKYRP
798	000622	316	RPKYCGSCVDGRC
799	000622	344	EDGETFSKNVMMI
800	000622	352	NVMMIQSCKCNYN
801	000763	44	EANLIPSQEFPFA
802	000763	106	PRNPLSSSDAAPS
803	000763	135	DTNGLSSSARPQG
804	000763	174	GSFDDYSDEDSV
805	000763	403	VPTLPWSGSLTV
806	000763	405	TLPWSGSGLTVEW
807	000763	522	LFGRDCSIQRRHQ
808	000763	562	KTVGYVSAGTVEY
809	000763	677	ELNFRSSKNWGY
810	000763	698	LHEFADSQFGHCF
811	000763	745	NLLETESFQNNDI
812	000763	860	DGGLLLSYNGNSY
813	000763	921	HVEAGSSYAEMEV
814	000763	1048	LQEIMTSVAGRIP
815	000763	1120	LVQRYRSGIRGYM
816	000763	1165	QFKPDMSQVLDCI
817	000763	1199	GPDPSLSDELISI
818	000763	1215	LTQLSKSEHCKVA
819	000763	1231	RQILIASHLPSYE
820	000763	1235	IASHLPSYELRHN
821	000763	1329	FQFMLPSSHNPNM
822	000763	1448	LRTFVQSKKNILV
823	000763	1655	LFITNESGYYLDI
824	000763	1672	EVTDSRSGNIMFH
825	000763	1801	ITFRIGSFPGED

826	000763	1831	IYVAANSGARIGM
827	000763	2117	DPANLDSEAKIIQ
828	000763	2224	MYADKESRGGVLE
829	000763	2247	KKDLIKSMRRIDP
830	000763	2347	QEILQASGELSHV
831	000763	2357	SHVHIQSMLRRWF
832	014492	62	DAGASFSRHFAAN
833	014492	115	AAPYGHRSRSSEDV
834	014492	117	PYGHRSRSSEDVST
835	014492	118	YGHRSRSSEDVSTH
836	014492	122	RSSEDVSTHAATK
837	014492	141	FSLRNMSLCVVDG
838	014492	157	MWHRRASPEPDAA
839	014492	212	DDAAAGSGGSAQW
840	014492	245	FVPPKASRPKVSI
841	014492	291	ILETIDS LQKHSW
842	014492	296	DSLQKHSWVADIQ
843	014492	310	CVDPGDSEEDTEL
844	014492	330	LASRVASCSCELL
845	014492	332	SRVASCSCELLTD
846	014492	360	VVTAPHSGRGRDAV
847	014492	388	LESPGGSGSDSNN
848	014492	390	SPGGSGSDSNNTG
849	014492	447	LFVIRQSETRPGE
850	014492	486	QHLWFQSVLDMLR
851	014492	503	HPIPLESGGSADI
852	014492	506	PLESGGSADITLR
853	014492	513	ADITLRSYVRAQD
854	014492	534	PPAAPAS PACWSD
855	014492	539	ASPACWSDSPGQH
856	014492	541	PACWSDSPGQHYF
857	014492	559	AACPPASPSDAAG
858	014492	567	SDAAGASSSSSASS
859	014492	569	AAGASSSSASSSSS
860	014492	570	AGASSSSASSSSA
861	014492	573	SSSSASSSSAASG
862	014492	574	SSSASSSSAASGP
863	014492	591	PVEGQLSARSRSN
864	014492	598	ARSRSNSAERLLE
865	014493	38	VTAFIGSNIVTSQ
866	014493	43	GSNIVTSQTIWEG
867	014493	58	MNCVVQSTGQMQC
868	014493	69	QCKVYDSSLALPQ
869	014493	87	RALVIISIIVAAL
870	014493	98	ALGVLLSVVGGKC
871	014493	112	NCLEDESAKAKTM
872	014493	137	MVIVPVSWTAHNI
873	014493	154	YNPLVASGQKREM
874	014493	163	KREMGASLYVGWA
875	014493	171	YVGWAASGLLLG
876	014493	194	RTDKPYSAKYSAA
877	014493	198	PYSAKYSAARSAA
878	014519	21	ALNAAGSVHSPST
879	014519	24	AAGSVHSPSTSMA
880	014519	26	GSVHSPSTSMA
881	014519	28	VHSPSTSMA
882	014519	32	STSMATSQYRQL
883	014519	33	TSMATSQYRQL

884	O14519	40	QYRQLLSDYGPPS
885	O14519	56	TQGTGN\$QVPQSK
886	O14519	61	NSQVPQ\$SKYAEELL
887	O14519	84	RPTYAG\$KSAMER
888	O14519	86	TYAGSKSAMERLK
889	O14607	37	SEEESV\$LTVEER
890	O14607	283	DPNSGQ\$WYFLGR
891	O14607	292	FLGRCY\$SIGKVQ
892	O14607	293	LGRCYSSIGKVQD
893	O14607	307	FISYRQ\$IDKSEA
894	O14607	311	RQSIDKSEASADT
895	O14607	361	LGTLYESCNQPQD
896	O14607	382	ARSKRCSNTSTLA
897	O14607	417	PVQQVY\$LCLTPQ
898	O14607	481	GAITDSSLPTNSV
899	O14607	501	ALTRVSSVSQPGV
900	O14607	588	RKQLSNSAQGLHK
901	O14607	601	SQSSCLS\$GPNEEQ
902	O14607	611	EEQPLF\$TGSAQY
903	O14607	622	QYHQATS\$TGIKKA
904	O14607	636	EHLTLPSNSVPQG
905	O14607	646	PQGDAD\$HLSCHT
906	O14607	655	SCHTAT\$GGQQGI
907	O14607	680	SLVPET\$RHTGDT
908	O14607	687	RHTGDT\$NGCADV
909	O14607	697	ADVKG\$NHVHQL
910	O14607	710	IADAVSS\$PNHGDS
911	O14607	764	TDHSVAS\$SPSSAI
912	O14607	787	EQRSINS\$VTSLNS
913	O14607	796	SLNSPH\$GLHTVN
914	O14607	811	GLGKSQS\$TKVDL
915	O14607	840	VSICPSS\$TEVLKA
916	O14607	932	LDLGLF\$TKTLVE
917	O14607	988	YAQYQAS\$SFQESL
918	O14607	1018	STSSENS\$GRRRKG
919	O14607	1138	NLNFLMS\$WWPNL
920	O14607	1139	LNFLMSS\$WWPNLE
921	O14607	1210	EWNKLKS\$VKSPVP
922	O14625	49	ADIEKAS\$IMYPSN
923	O14625	54	ASIMYPS\$NNCDKI
924	O14625	79	RCLNPK\$KQARLI
925	O14653	17	QVHEIQ\$CMGRLE
926	O14653	29	ETADKQS\$VHIVEN
927	O14653	40	ENEIQAS\$IDQIFS
928	O14653	46	SIDQIFS\$RLERLE
929	O14653	55	ERLEILS\$SKEPPN
930	O14653	56	RLEILS\$SKEPPNK
931	O14653	106	QREELLS\$RTFTTN
932	O14653	114	TFTTNDS\$DTTI PM
933	O14653	123	TIPMDES\$LQFNSS
934	O14653	128	ESLQFN\$SLQKVH
935	O14653	129	SLQFNSS\$LQKVHN
936	O14653	175	ANMLGL\$NTVMRL
937	O14654	48	ALIGTG\$SCPGAM
938	O14654	57	PGAMWL\$STATGSR
939	O14654	251	GHRKEL\$GVFRIC
940	O14654	281	VVVQLLS\$IRRUGH
941	O14654	403	RRFVTP\$EPVAHS

942	014654	422	LPRGRRSRRAVSV
943	014654	427	RSRRAVSVPASFF
944	014654	431	AVSVPASFFRRLA
945	014654	439	FRLAPS PARPRH
946	014654	483	KEDQEGSGGDYMP
947	014654	507	SGGGQGSNGQGSS
948	014654	514	NGQGSSHSSGGN
949	014654	570	PGGGHGS GGGQGP
950	014654	649	TGGKGKS GGRFRL
951	014654	728	PQNVSAS KKRHSR
952	014654	733	ASKKRHS RSPFED
953	014654	751	MMFPRVS PPPAPS
954	014654	775	DSKDNDSE SDYMFM
955	014654	777	KDNDSE SDYMFM
956	014654	810	SWSSYFS LPNPFR
957	014654	856	DPKDAAS KPSGEG
958	014654	874	GDGGSPSKPSDHE
959	014654	893	KRPNRLS FITKGY
960	014654	917	EQREADS SSDYVN
961	014654	931	DFTKRES NTPAPS
962	014654	957	PRQSAFS NYVNVE
963	014654	1007	PLSATGS NAIEEE
964	014654	1052	YVVDPF SECCMDI
965	014654	1061	CMDISLSPSRCSE
966	014654	1066	LSPSRCSE PPPVA
967	014654	1107	SAFPDLS LERDLS
968	014654	1113	SLERDLS PSSAPA
969	014654	1122	SAPAVASA EPTL
970	014672	36	RHYEGLSY NVDLS
971	014672	41	LSYNVDSL LHQKHQ
972	014672	91	EFKVETSNKVLDY
973	014672	100	VLDYDTSHI YTGH
974	014672	113	IYGEEGSF SHGGSV
975	014672	153	RTLPFH S VIYHED
976	014672	247	AVIAQIS SHVKAI
977	014672	248	VIAQISS HVKAID
978	014672	263	YQT TD FS GIRNIS
979	014672	269	SGIRNIS FMVKRI
980	014672	337	AWVGAPS GSSGGI
981	014672	339	VGAPSGS SGGICE
982	014672	340	GAPSGSS GGCICEK
983	014672	347	GGICEKS KLYSDG
984	014672	377	HVPPKVS HITFAH
985	014672	423	MYARATS GDKLNN
986	014672	433	LNNNKFS LCSIRN
987	014672	441	CSIRNIS QVLEKK
988	014672	455	NNCFVES GQPICG
989	014672	504	KPGKQCS PSQGPC
990	014672	528	EKCRDDS DCAREG
991	014672	546	TALCPAS DP KPNF
992	014672	584	EECTCAS SDGKDD
993	014672	585	ECTCASS DGKDDK
994	014672	605	MKKMDPS TCASTG
995	014672	609	DPSTCAS TGSVQW
996	014672	612	TCASTGS VQWSRH
997	014672	616	TGSVQWS RHFSGR
998	014672	630	ITLQPGS PCNDFR
999	014672	663	LKKAIFSPELYEN

1000	O14672	700	GFIKICSVHTPSS
1001	O14672	706	SVHTPSSNPKLPP
1002	O14672	740	RQRPRESYQMGHM
1003	O14713	10	KGKKRHSSSSSQS
1004	O14713	11	GKKRHSSSSQSS
1005	O14713	12	KKRHSSSSQSSE
1006	O14713	13	KRHSSSSQSSEI
1007	O14713	14	RHSSSSQSSEIS
1008	O14713	16	SSSSSQSEISTK
1009	O14713	17	SSSSQSSEISTKS
1010	O14713	20	SQSSEISTKS KSV
1011	O14713	23	SEISTKS KSV DSS
1012	O14713	25	ISTKS KSV DSSLG
1013	O14713	28	KSKSVDSS LGGLS
1014	O14713	29	SKSVDSS LGGLSR
1015	O14713	34	SSLGGLSRSSTVA
1016	O14713	36	LGGLRSRSSTVASL
1017	O14713	37	GGLSRSSTVASLD
1018	O14713	41	RSSTVAS LTDST
1019	O14713	46	ASLDTDS TKSSGQ
1020	O14713	49	DTDSTKS SGQSNN
1021	O14713	50	TDSTKSS GQSNNN
1022	O14713	53	TKSSGQSNNNSDT
1023	O14713	57	GQSNNNS DTCAEF
1024	O14713	77	IEKLKLSEGKGLE
1025	O14713	115	EFIMGVSKYGIKV
1026	O14713	122	KYGIKVSTDQYD
1027	O14713	124	GIKVSTS DQYDVL
1028	O14713	153	GLGAGKS LLALKT
1029	O14713	163	LKTTDASNEEYSL
1030	O14713	168	ASNEEYS LWVYQC
1031	O14713	176	WVYQCNS LEQAQA
1032	O14713	188	AICKVLS TAFDSV
1033	O14718	9	RNNLGNS SDSKNE
1034	O14718	10	NNLGNSS DSKNED
1035	O14718	12	LGNSSD SKNEDGS
1036	O14718	18	SKNEDGS VFSQTE
1037	O14718	21	EDGSVFS QTEHNI
1038	O14718	39	IMAGMIS IISNII
1039	O14718	42	GMISIIS NIIVLG
1040	O14718	75	VTDIGVSS SIGYPM
1041	O14718	76	TDIGVSS SIGPM
1042	O14718	82	SIGYPM SAASDLY
1043	O14718	85	YPMSAAS DLYGSW
1044	O14718	90	ASDLYG SWKFGYA
1045	O14718	112	IIFGMAS IGLLT
1046	O14718	165	PIIGWAS YAPDPT
1047	O14718	185	WRKNDRS FVSYTM
1048	O14718	188	NDRSFV SYTMTVI
1049	O14718	215	YYHVTLS IKHHTT
1050	O14718	222	IKHHTTS DCTESL
1051	O14718	227	TSDCTES LN RDWS
1052	O14718	233	SLNRDWS DQIDVT
1053	O14718	242	IDVTKMS VIMICM
1054	O14718	254	MFLVAWS PYSIVC
1055	O14718	257	VAWSPY SIVCLWA
1056	O14718	264	IVCLWAS FGDPKK
1057	O14718	285	APLFAKS STFYNP

1058	O14718	286	PLFAKSSTFYNPC
1059	O14718	321	QTMPVTSILPMDV
1060	O14718	328	ILPMDVSQNPLAS
1061	O14744	12	VGGAGGSRVSSGR
1062	O14744	15	AGGSRVSSGRDLN
1063	O14744	16	GGSRVSSGRDLNC
1064	O14744	69	PGPQTRS DLLLSG
1065	O14744	74	RSDLLLSGRDWNT
1066	O14744	87	LIVGKLSPWIRPD
1067	O14744	94	PWIRPDSKVEKIR
1068	O14744	103	EKIRRNEAAMILQ
1069	O14744	148	IHTGHHSMMFWMR
1070	O14744	149	HTGHHSSMFWMRV
1071	O14744	214	IGADLPSNHVIDR
1072	O14744	234	AAILPTSIFLTNA
1073	O14744	247	KGFPVLSKMHQRL
1074	O14744	273	TGTNHHSEKEFCS
1075	O14744	279	SEKEFCSYLQYLE
1076	O14744	288	QYLEYLSQRNPPP
1077	O14744	310	YEDYLQSPLOPLM
1078	O14744	321	LMDNLESQTYEVF
1079	O14744	375	GPLVNASLRAAKQ
1080	O14744	411	QFEEWGSQVTVVVS
1081	O14744	417	SQVTVVSSDMREW
1082	O14744	418	QVTVVSSDMREWV
1083	O14744	434	KADIIVSELLGSF
1084	O14744	439	VSELLGSFADNEL
1085	O14744	446	FADNELSPECLDG
1086	O14744	477	FLAPISSSKLYNE
1087	O14744	478	LAPISSSKLYNEV
1088	O14744	513	HNFHQLSAPQPCF
1089	O14744	522	QPCFTFSHPNRDP
1090	O14744	566	YQDITLISRPETH
1091	O14744	573	IRPETHSPGMFSW
1092	O14744	578	HSPGMFSWFPILF
1093	O14744	608	FWRCNSKKVWYE
1094	O14745	77	THQQVVSIRALAAL
1095	O14745	143	PREADKSHEQRE
1096	O14745	170	YGFNLHSDKSKPG
1097	O14745	173	NLHSDKSKPGQFI
1098	O14745	181	PGQFIRSVDPDSP
1099	O14745	186	RSVDPDSPAEASG
1100	O14745	191	DSPAEGSLRAQD
1101	O14745	217	QHGDVVSAIRAGG
1102	O14745	247	KCRVIPSQEHLNG
1103	O14745	288	RPALVRSASSDTS
1104	O14745	299	TSEELNSQDSPPK
1105	O14745	308	SPPKQDSTAPSST
1106	O14745	312	QDSTAPSSTSSSD
1107	O14745	313	DSTAPSSTSSSDP
1108	O14745	315	TAPSSTSSSDPIL
1109	O14745	316	APSSTSSSDPILD
1110	O14745	317	PSSTSSSDPILDF
1111	O14745	326	ILD芬NISLAMAKE
1112	O14745	339	RAHQKRSKRAPQ
1113	O14745	340	AHQKRSSKRAPQM
1114	O14745	349	APQMDWSKKNELF
1115	O14746	12	RCRAVRSLLRSHY

1116	014746	75	PSFRQV S CLKELV
1117	014746	118	PEAFTT S VRSYLP
1118	014746	121	FTTSVRS S YLPN
1119	014746	134	TDALRG S GAWGLL
1120	014746	206	ERAWNH S VREAGV
1121	014746	231	GGSASRS L LPLPKR
1122	014746	274	RGFCVV S PAPPAE
1123	014746	290	SLEGALS G TRHSH
1124	014746	309	HHAGPP S TSRPPR
1125	014746	311	AGPPST S RPPRPW
1126	014746	334	TKHF LY S SGDKEQ
1127	014746	344	KEQLRP S FLLSSL
1128	014746	456	QLLRQH S SPWQVY
1129	014746	480	PPGLWG S RHNERR
1130	014746	496	NTKKF I S LGKHAK
1131	014746	559	VVELLR S FFYVTE
1132	014746	619	RPALLT S RRLFIP
1133	014746	679	PGLLGAS V GLDD
1134	014746	731	LTEVIAS I IKPQN
1135	014746	796	VVIEQSS S SLNEAS
1136	014746	797	VIEQSS S SLNEASS
1137	014746	802	SSLNEAS S GLFDV
1138	014746	824	VRIRG K S YVQCQG
1139	014746	944	RTLEVQ S DYSSYA
1140	014746	957	RTSIRAS L TFNRG
1141	014746	993	LDLQVN S LQTVCT
1142	014746	1041	VISDTAS L CYSIL
1143	014746	1045	TASLCYS I LKAKN
1144	014746	1067	AAGPLP S EAQWL
1145	014746	1104	TAQTQL S RKLPGT
1146	014757	88	LFLEYC S GGELFD
1147	014757	147	RDNLK I S DFGLAT
1148	014757	193	EPVDVWS C GIVLT
1149	014757	212	LPWDQPS D SCQEY
1150	014757	214	WDQPSD S CQEYSD
1151	014757	219	DSCQEY S DWKEKK
1152	014757	236	PWKKIDS A PLALL
1153	014757	251	ILVENP S ARITIP
1154	014757	284	VTSGGV S ESP ⁺ GF
1155	014757	288	GVSESP S GFSKHI
1156	014757	291	ESPSGF S KHIQSN
1157	014757	305	DFSPVNS S ASSEEN
1158	014757	307	SPVNS S SEENVK
1159	014757	308	PVNSAS S SEENVKY
1160	014757	315	EENVKY S SSQPEP
1161	014757	316	ENVKY S SQPEPR
1162	014757	326	EPRTGL S LWDTSP
1163	014757	331	LSLWDT S PSYIDK
1164	014757	333	LWDTSP S YIDKLV
1165	014757	343	KLVQGI S FSQPTC
1166	014757	357	DHMLLN S QLLGTP
1167	014757	365	LLGTPG S SQNPWQ
1168	014757	366	LGTPG S SQNPWQR
1169	014757	389	KLDADK S YQCLKE
1170	014757	407	GYQWK K S CMNQVT
1171	014757	415	MNQVT I S TTDRRN
1172	014757	444	LVDFRL S KGDGLE
1173	014757	467	KLIDIV S SQKIWL

1174	014757	468	LIDIVSSQKIWLP
1175	014777	8	KRSSVSSGGAGRL
1176	014777	15	GGAGRLSMQELRS
1177	014777	21	SMQELRSQDVNKQ
1178	014777	44	PTFGKLSINKPTS
1179	014777	55	TSERKVS L FGKRT
1180	014777	62	LFGKRTSGHGSRN
1181	014777	66	RTSGHGSRNSQLG
1182	014777	75	SQLGIFSSEKIK
1183	014777	76	QLGIFSSSEKIKD
1184	014777	113	GYAHNVSMKSLQA
1185	014777	116	HNVSMKS L QAPSV
1186	014777	121	KSLQAPSVKDFLK
1187	014777	139	YGFLCP S YELPDT
1188	014777	201	HTAMKES S PLFDD
1189	014777	202	TAMKES S PLFDDG
1190	014777	235	TIKCYES S FMMSGAD
1191	014777	238	CYESFMSGADSFD
1192	014777	242	FMSGADS F DEMNA
1193	014777	252	MNAELQS K LKDLF
1194	014777	295	EPNRLES L RKLKA
1195	014777	315	KYQAYMS N LESHS
1196	014777	319	YMSNLES H SAILD
1197	014777	321	SNLESHSAILDQK
1198	014777	362	IDNQKY S VADIER
1199	014777	432	PKGAENS K GYDFE
1200	014777	496	NAMITES K RSVRT
1201	014777	534	CASELES E LEKHKH
1202	014777	544	HKHLLES T VNQGL
1203	014777	551	TVNQGLS E AMNEL
1204	014777	595	VATHVG S VEKHLE
1205	014777	620	CMSEDLS E NIKEI
1206	014791	10	AALLRV S VLCIWM
1207	014791	17	VLCIWM S ALFLGV
1208	014791	40	VQQNVPS G TDTGD
1209	014791	49	DTGDPQS K PLGDW
1210	014791	64	GTMDPE S IFIED
1211	014791	65	TMDPE S IFIEDA
1212	014791	80	YFKEKV S TQNLLL
1213	014791	149	EFPRLK S ELEDNI
1214	014791	179	TIANVV S GSLSIS
1215	014791	181	ANVVSG S LSISSG
1216	014791	183	VVSGSLS I SSGIL
1217	014791	185	SGSLSIS S GILT L
1218	014791	186	GSLSI S SGILT L V
1219	014791	204	PFTEGG S LVLLEP
1220	014791	225	ALTGIT S STMDYG
1221	014791	226	LTGIT S STMDYGK
1222	014791	247	HDLVIKS L DKLKE
1223	014791	263	FLGENISNFLSLA
1224	014791	267	NISNFLS L LAGNTY
1225	014791	295	ARANLQS V PHASA
1226	014791	300	QSVPHAS A SRPRV
1227	014791	302	VPHASA S RPRVTE
1228	014791	325	ERVNEPS S ILEMSR
1229	014791	330	PSILEMSRGVKLT
1230	014791	342	TDVAPV S FFLVLD
1231	014791	356	VYLVYES K HLHEG

1232	O14791	365	LHEGAK S ETAEEEL
1233	O14818	11	RAITVFS SP DGHLF
1234	O14818	30	EAVKK G STAVGVR
1235	O14818	49	LGVEKK S VAKLQD
1236	O14818	93	ARVEC Q SHRLTVE
1237	O14818	113	ITRYIAS L KQRYT
1238	O14818	121	KQRYT Q SNGRRPF
1239	O14818	130	RRPFG I SALIVGF
1240	O14818	150	LYQTDP S GTYHAW
1241	O14818	167	IGRGA K SVREFLE
1242	O14818	201	LLEV VQ SGGKNIE
1243	O14818	216	VMRRD Q SLKILNP
1244	O14827	37	KKTAE A SRWHEKW
1245	O14827	72	YLLEG C SCERTPA
1246	O14827	240	CSPHAES SM RKRNQ
1247	O14827	256	TMVEAE S SEYVHQL
1248	O14827	278	PLRMAAS SK KPPI
1249	O14827	291	SHDDV S IFLNSE
1250	O14827	296	SSIFLN S ETIMFL
1251	O14827	417	SLEFA K SKLEELS
1252	O14827	431	VMHDEVS D TENIR
1253	O14827	509	LICTRSS GG KLHL
1254	O14827	572	VVLLAPS R QECAA
1255	O14827	581	EKAAMWS D ISQCV
1256	O14827	604	IVFEENS K VTVP <i>H</i>
1257	O14827	614	VPHMIKS D ARLHK
1258	O14827	643	PQIRYAS V ERLLE
1259	O14827	658	TDLRFLS I DFLNT
1260	O14827	692	YKRPFTS I PVRSL
1261	O14827	718	HLVDG K SPRLCRK
1262	O14827	763	ALDLTT S SSPTTT
1263	O14827	765	DLTTSSS P TTTTQ
1264	O14827	789	QIPLDL S RGLSSP
1265	O14827	793	DLSRG L SSPEQSP
1266	O14827	794	LSRGL L SSPEQSPG
1267	O14827	820	CNKL KRS IQKAVL
1268	O14827	877	NAHCSV S PASAFA
1269	O14827	1002	ECFESL S AMELAE
1270	O14827	1068	MNYADVS S RANAI
1271	O14827	1103	TSALNR S AIYRLK
1272	O14827	1116	KTWAK V SKQTKAL
1273	O14827	1132	LQKTV S SEGRFKN
1274	O14827	1228	DTLYEL S LKIEPR
1275	O14920	51	QCRQEL S PRNRER
1276	O14920	127	AILTLL S DIASAL
1277	O14920	131	LLSDIA S ALRYLH
1278	O14920	207	VTVDYWS F GTLAF
1279	O14920	233	QPVQW H SKVRQKS
1280	O14920	239	SKVRQ K SEVDIVV
1281	O14920	256	NGTVKF S SSLPPY
1282	O14920	257	GTVKF S SLPYPN
1283	O14920	267	YPNNLN S VLAERL
1284	O14920	332	PVTEDE S LQSLKA
1285	O14920	372	PATQC I S D GKLNE
1286	O14920	393	VFLFD N SKITYET
1287	O14920	402	TYETQ I S P RPQPE
1288	O14920	409	PRPQ P ES V SCILQ
1289	O14920	411	PQPESV S CILQEP

1290	014920	436	WGQVWHSIQTLKE
1291	014920	463	NLLRNNSCLSKMK
1292	014920	466	RNNSCLSKMKNSM
1293	014920	471	LSKMKNSMASMSQ
1294	014920	474	MKNMSMASMSQQLK
1295	014920	476	NSMASMSQQLAK
1296	014920	489	LDFFKTSIQIDLE
1297	014920	498	IDLEKYSEQTEFG
1298	014920	507	TEFGITSDKLLA
1299	014920	550	IVDLQRSPMGRKQ
1300	014920	587	QRTEGDSQEMVRL
1301	014920	600	LLQAIQSFEKKVR
1302	014920	613	VIYTQLSKTVVCK
1303	014920	634	KVEEVVSLMNEDE
1304	014920	663	LLKIACSKVRGPV
1305	014920	679	PDSMNASRLSQPG
1306	014936	24	IGKGPFSSVVRRCI
1307	014936	55	TSSPGLSTEDLKR
1308	014936	64	DLKREASICHMLK
1309	014936	82	ELLETYS SDGMLY
1310	014936	214	ILFILLSGCLPFY
1311	014936	246	RQWSHISESAKDL
1312	014936	314	VLAAVSSHKFNSF
1313	014936	319	SSHKFNSFYGDPP
1314	014936	332	EELPDFSEDPTSS
1315	014936	337	FSEDPTS SGLLAA
1316	014936	348	AAERAVSQVLDL
1317	014936	364	HALTDCSEKDLD
1318	014936	395	KINTKSSPQIRNP
1319	014936	403	QIRNPPSDAVQRA
1320	014936	417	EVLEEIS CYPENN
1321	014936	472	PYLNQDPS PESANG
1322	014936	543	REINGIS VANQTV
1323	014936	562	LREMRGSI TFKIV
1324	014936	570	TFKIVPSYRTQSS
1325	014936	575	PSYRTQSSCERD
1326	014936	577	YRTQSSCERDSP
1327	014936	582	SSCERDSPSTS RQ
1328	014936	586	RDSPSTS RQSPAN
1329	014936	595	SPANGHS STNNSV
1330	014936	600	HSSTNNNSVSDLPS
1331	014936	602	STNNNSVSDLPSTT
1332	014936	650	DIIQIIS KDDHNW
1333	014936	674	TAGLIPSPELQEW
1334	014936	792	KNYYFVSHDQMMQ
1335	014936	871	GLNEDES LQRLQK
1336	014936	879	QRLQKES DILQRT
1337	014950	29	FAMFDQSQI QEFK
1338	014950	60	LHDMLASLGKNPT
1339	014958	15	VGIYFLSSCRAEE
1340	014958	16	GIYFLSSCRAEEG
1341	014958	36	GKDRVVS LSEKNF
1342	014958	38	DRVVS LSEKNFKQ
1343	014958	61	YYHEPVSSDKVTQ
1344	014958	62	YHEPVSSDKVTQK
1345	014958	113	GFDEEGSLYILKG
1346	014958	150	DPVEIIS SKLEVQ
1347	014958	151	PVEIIS SKLEVQA

1348	014958	173	LIGFFK S EDSEYY
1349	014958	176	FFKSED S EYYKAF
1350	014958	208	GVAKKL S LKMNEV
1351	014958	277	VAFAEK S DPDGYE
1352	014958	302	TDNPDLS S ILWIDP
1353	014958	341	NVTDADS V WMEIP
1354	014958	367	WIEDVLS G KINTE
1355	014965	10	SKENCIS G PVKAT
1356	014965	53	VLCPSNS S QRVPL
1357	014965	54	LCPSNS S QRVPLQ
1358	014965	66	QAQKLVS S HKPVQ
1359	014965	67	AQKLVSS S HKPVQN
1360	014965	83	KQLQAT S VPHPV
1361	014965	89	SVPHPV S RPLNNT
1362	014965	98	LNNTQKS K QPLPS
1363	014965	104	SKQPLPS S APENNP
1364	014965	116	PEEELAS K QKNEE
1365	014965	123	KQKNEES K KRQWA
1366	014965	155	LAREKQS K FILAL
1367	014965	186	REVEIQS H LRHPN
1368	014965	226	RELQKLS K FDEQR
1369	014965	245	ELANALS Y CHSKR
1370	014965	249	ALSYCHS K RVIHR
1371	014965	266	ENLLLGS A GELKI
1372	014965	278	IADFGWS V HAPSS
1373	014965	283	WSVHAPSS R RTTL
1374	014965	284	SVHAPSS R RTTLC
1375	014965	314	EKVDLWS L GVLCY
1376	014965	361	GARDLIS R LLKHN
1377	014965	369	LLKHNPS Q RPMNR
1378	014965	387	PWITANS S KPSNC
1379	014965	388	WITANS S KPSNCQ
1380	014965	391	ANSSKPSNCQNKE
1381	014974	198	DVRHAKS G GTALH
1382	014974	292	KQNLLHS E KRDKK
1383	014974	304	KSPLIES T ANMDN
1384	014974	313	NMDNNQS Q KTFKN
1385	014974	401	VTTPTVS S GQATP
1386	014974	455	LAEITAS K EQQKE
1387	014974	509	RRLASTS D IEEKE
1388	014974	520	KENRDSS S SLRTSS
1389	014974	521	ENRDSS S LRTSSS
1390	014974	525	SSLRTS S SSYTRR
1391	014974	526	SSLRTSS S YTRRK
1392	014974	547	SSVNEG S TYHKSC
1393	014974	552	GSTYHK S CSFGRR
1394	014974	564	RQDDLISS S VPST
1395	014974	578	STPTVTS A AGLQK
1396	014974	589	QKSLLSS T STTTK
1397	014974	610	GTQSSTS N Rlwae
1398	014974	618	RLWAEDS T EKEKD
1399	014974	714	EKTIGRS R STRTR
1400	014974	749	KKESETS R EDEYK
1401	014974	776	RPVSTSS S STTPSS
1402	014974	781	SSSTTPSS S SLSTM
1403	014974	782	SSTTPSS S SLSTMS
1404	014974	785	TPSSSL S TMSSL
1405	014974	789	SLSTMSS SL YASS

1406	014974	790	LSTMSSSLYASSQ
1407	014974	795	SSLYASSQLNRPN
1408	014974	808	SLVGITSAYSRG
1409	014974	877	SDTEEGSNKETQ
1410	014974	894	SRYETSTSAGDR
1411	014974	921	EERKPYSRLEKD
1412	014979	8	EVPPRLSHVPPPL
1413	014979	17	PPPLFPSAPATLA
1414	014979	24	APATLASRSLSHW
1415	014979	26	ATLASRSLSHWRP
1416	014979	28	LASRSLSHWRPRP
1417	014979	44	LAPLLPSLAPSSA
1418	014979	48	LPSLAPSARQGA
1419	014979	49	PSLAPSSARQGAR
1420	014979	67	VTAQQPSRLAGGA
1421	014979	92	FRRHFKSSSIQRS
1422	014979	93	RRHFKSSSIQRSA
1423	014979	94	RHFKSSSIQRSA
1424	014979	98	SSSIQRSAAAAAAA
1425	014979	116	QHPPADSVTMED
1426	014979	117	HPPADSSVTMEDM
1427	014979	127	EDMNEYSNIEFA
1428	014979	136	EEFAEGSKINASK
1429	014979	141	GSKINASKNQQDD
1430	014979	156	MFIGGLSWDTSKK
1431	014979	160	GLSWDTSKDLTE
1432	014979	169	DLTEYLSRFGEVV
1433	014979	188	DPVTGRSRGFGFV
1434	014979	201	LFKDAASVDKVLE
1435	014979	241	VFVGGLS PDTSEE
1436	014979	245	GLSPDTSEEQIKE
1437	014979	293	VKKLLESRYHQIG
1438	014979	300	RYHQIGSGKCEIK
1439	014979	363	GYGNYNSSAYGGDQ
1440	014979	372	GGDQNYSGYGGYD
1441	014979	397	QGYADYSQQQSTY
1442	014979	401	DYSGQQS TYGKAS
1443	014979	407	STYGKASRGGGNH
1444	014994	11	RRRLSDSSFMANL
1445	014994	12	RRLSDSSFMANLP
1446	014994	33	RPDSSTS SPASPA
1447	014994	37	STSSPAS PAMERR
1448	014994	54	LAASFSS PGSSLF
1449	014994	57	SFSSPGS SLFSSL
1450	014994	61	PGSSLFS SLSSAM
1451	014994	65	LFSSLSS AMKQAP
1452	014994	75	QAPQATS GLMEPP
1453	014994	84	MEPPGPSTPIVQR
1454	014994	105	DAHTDW SKYFHGK
1455	014994	154	NGTKVVS RSKFPD
1456	014994	197	AVNSLYSVYNFCS
1457	014994	272	DFQDITS VVAMAK
1458	014994	289	TEAFIDS KYDIRI
1459	014994	311	YMRTSIS GNWKAN
1460	014994	320	WKANTGS AMLEQV
1461	014994	338	YRLWVDS CSEMF
1462	014994	394	LVVSKMS QLPM
1463	014994	405	PGGTAPS PLRPWA

1464	O14994	416	WAPQIKSAKSPGQ
1465	O14994	447	GPRQAQSPPQRS
1466	O14994	453	SPQPQRSGSPSQQ
1467	O14994	457	QRSGSPSQQLSP
1468	O14994	481	SPQQQRSPGSPQL
1469	O14994	491	PQLSRASGGSPN
1470	O14994	500	SSPNQASKPGATL
1471	O14994	520	VQGRSTSQQGEES
1472	O14994	545	SQSLTNSLSTS DT
1473	O14994	549	TNSLSTS DTS QRG
1474	O14994	552	LSTS DTS QRGT P
1475	O15055	10	YAEFPPSPSNPTK
1476	O15055	36	EDVDMSSGSSGHE
1477	O15055	38	VDMSSGS SGHETN
1478	O15055	39	DMSSGSS GHETNE
1479	O15055	61	GSDCDDSGKELGM
1480	O15055	88	SLMMAKSEHNPST
1481	O15055	133	KAKGKASTLATLK
1482	O15055	160	YYQLLMSSEGHP C
1483	O15055	183	EMESVTSEHIVKN
1484	O15055	208	GKILYISDQVASI
1485	O15055	275	SFFCRVS VRKSHE
1486	O15055	415	TLDTSWS SFINPW
1487	O15055	479	PVPHSGSSGYGSL
1488	O15055	500	LMSQTSS SDSNGH
1489	O15055	580	KNQPTCS YQQISC
1490	O15055	589	QISCLDS VIRYLE
1491	O15055	596	VIRYLESCNEAAT
1492	O15055	619	VPALRSS DKRKAT
1493	O15055	756	KLSIFQS HCHYYL
1494	O15055	786	NTSGIDS PWKKTG
1495	O15055	808	VKPRDS SESTGSG
1496	O15055	813	SSESTGS GGPVSA
1497	O15055	840	SDTSQSSCPAVPF
1498	O15055	943	LTSEM ASASQPEF
1499	O15055	954	EFPSRTS IPRQPC
1500	O15055	987	FQSRS SPLQLNL
1501	O15055	1067	LNE DLCS ASGSAA
1502	O15055	1071	LCSASGS AASESL
1503	O15055	1105	TSKYFGS IDSSEN
1504	O15055	1145	LMADADS SVMMTY
1505	O15055	1245	KEDENG S PLNHRI
1506	O15084	11	KLRDQPS LVQAIF
1507	O15084	84	LHRAVASC SEEAV
1508	O15084	86	RAVASC SEEAVQV
1509	O15084	131	ALVPLL S NVNVSD
1510	O15084	150	LHHAAF S GHGEMV
1511	O15084	161	MVKLLS ORGANIN
1512	O15084	194	VVKLLVSHGAEVT
1513	O15084	206	TCKDKKS YTPLHA
1514	O15084	215	PLHAAA S GMISV
1515	O15084	282	LHFAAAS THGALC
1516	O15084	303	ADVNMKS KDGKTP
1517	O15084	320	ALHG RFS RSQTI I
1518	O15084	382	LHLAAL S GFS DCC
1519	O15084	385	AALSGF SDCCRKL
1520	O15084	393	CCRKL LSS GFID
1521	O15084	460	LFALVG S GASVND

1522	O15084	463	LVGSGASVNDLDE
1523	O15084	481	LHYAATSDTDGKC
1524	O15084	512	YNAVHYSAAYGHR
1525	O15084	582	LDVRNSSGRTPLD
1526	O15084	821	IVNATDSKGRTPL
1527	O15084	844	CLQLLLSHNAQVN
1528	O15084	880	MLVSSASAELTLQ
1529	O15084	899	ALHLACSKGHETS
1530	O15084	951	LLGKGASVLADE
1531	O15084	987	ATMMPVSSSPS
1532	O15084	993	SSSPSPLSLTFNA
1533	O15084	994	SSSPSPLSLTFNAI
1534	O15084	1023	IMRNEPSSYCSFN
1535	O15084	1024	MRNEPSSYCSFNN
1536	O15084	1027	EPSSYCSFNNIGG
1537	O15105	16	VRRLWRSRAPGGE
1538	O15105	45	GEGATDSRAHGAG
1539	O15105	98	LKALTHSVLKKLK
1540	O15105	117	LLQAVESRGTRT
1541	O15105	151	QPAQPPSSYSLPL
1542	O15105	152	PAQPPSSYSLPLL
1543	O15105	154	QPPSSYSLPLLC
1544	O15105	171	WPDLRHSEVKRL
1545	O15105	172	PDLRHSSEVKRLC
1546	O15105	182	RLCCCESYGKINP
1547	O15105	199	CNPHHLSRLCELE
1548	O15105	206	RLCELESPPPPYS
1549	O15105	212	SPPPPYSRYPMDF
1550	O15105	231	CPDAVPSSAETGG
1551	O15105	232	PDAVPSSAETGGT
1552	O15105	247	LAPGGLSDSQLLL
1553	O15105	249	PGGLSDSQLLEP
1554	O15105	259	LEPGDRSHWCVVA
1555	O15105	283	YCVQEPSLDIFYD
1556	O15105	303	CLGQLNSDNKSQL
1557	O15105	307	LNSDNKSQLVQKV
1558	O15105	315	LVQKVRSKIGCGI
1559	O15105	336	VWVYNRSYPIFI
1560	O15105	337	WVYNRSSYPIFIK
1561	O15105	344	YPIFIKSATLDNP
1562	O15105	352	TLDNPDSRTLLVH
1563	O15105	365	KVFPGFSIKAFDY
1564	O15105	376	DYEKAYSLQRPNP
1565	O15105	398	GFTVQISFVKGWG
1566	O15105	413	YTRQFISSCPCWL
1567	O15105	414	TRQFISSCPCWLE
1568	O15151	11	STSAQCSTSACRISP
1569	O15151	13	SAQCSTSACRISP
1570	O15151	15	QCSTSACRISP
1571	O15151	91	LGRQSFSVKDPSP
1572	O15151	96	FSVKDPSPLYDML
1573	O15151	132	HSMDIPSQDQLKQ
1574	O15151	139	QDQLKQSAEESST
1575	O15151	144	QSAEESSTSACRISP
1576	O15151	146	AEESTSACRISP
1577	O15151	161	IPTLPTSEHKCIH
1578	O15151	168	EHKCIHSREDEDL
1579	O15151	214	SNYTPRSNGSTD

1580	O15151	217	TPRSNGS T DQLQTN
1581	O15151	232	VGTAIVS S DTTDDL
1582	O15151	244	LWFLNES V SEQLG
1583	O15151	246	FLNESV S EQLGVG
1584	O15151	264	ADTEQT S EEVGKV
1585	O15151	271	EEVGKVS D KKVIE
1586	O15151	300	TDVEVT S DEWQC
1587	O15151	314	ECKKFNS P SKRYC
1588	O15151	335	DWYSDCS K LTHSL
1589	O15151	344	THSLSTS D ITAIP
1590	O15151	383	YIKKENS K LFDPC
1591	O15151	391	LFDPCNS V EFLDL
1592	O15151	400	FLDLAHS S ESQET
1593	O15151	401	LDLAHS S ESQETI
1594	O15151	403	LAHSSES Q ETISS
1595	O15151	408	ESQETIS S SMGEQL
1596	O15151	409	SQETISS M GEOQLD
1597	O15151	438	NLLKPCS L CEKRP
1598	O15151	473	LKKAGAS C PICKK
1599	O15160	12	AVEEMRS R VVLGE
1600	O15160	34	DFPGNY S GYDDAW
1601	O15160	60	VHMDENS L EFDVM
1602	O15160	99	LVYNNTS I VQDEI
1603	O15160	156	PHAAKDS S DPNEL
1604	O15160	157	HAAKDSS D PNELY
1605	O15160	226	KDHAKFS P VATAS
1606	O15160	232	SPVATAS Y RLLPD
1607	O15160	254	EAAEELS R CFSPG
1608	O15160	258	ELSRCFS P GVIEV
1609	O15160	284	PRLDTS R EIFRN
1610	O15160	309	RDHYIFS V ESTGV
1611	O15160	312	YIFSVE S TGVLPP
1612	O15160	323	PPDVLV S EAIKVL
1613	O15162	11	NSQMNAS H PETNL
1614	O15162	37	QGPPGY S GYPGPQ
1615	O15162	45	YPPGPQVS Y PPPPA
1616	O15162	54	PPPAGHS G PGPAG
1617	O15162	103	PGLEYLS Q IDQIL
1618	O15162	134	KYEIKNS F QQRVY
1619	O15162	157	RNCCGPS R PFTLR
1620	O15162	182	ERPLRCS S CCCPCC
1621	O15162	183	RPLRCSS C CCPCC
1622	O15162	231	EDVLKIS G PCVVC
1623	O15162	238	GPCVVCS C CGDVD
1624	O15162	249	VDFEIKS L DEQCV
1625	O15162	260	CVVGKIS K HWTGI
1626	O15162	307	DFMFFESTGSSEQ
1627	O15162	310	FFESTGSQEOKSG
1628	O15169	41	TDPRPASYSFCSG
1629	O15169	43	PRPASYSFCSGKG
1630	O15169	46	ASYSFC S GKGVGI
1631	O15169	57	GIKGETS T ATPRR
1632	O15169	91	WAESLHS L DDQD
1633	O15169	132	KLEPCDS N EEKRL
1634	O15169	157	DNNGIVS R QTKPA
1635	O15169	166	TKPATKS F IKGCI
1636	O15169	222	ESPKVCS D QSSGS
1637	O15169	225	KVCSDQS S SGSGTG

1638	015169	228	SDQSSGS T GKGI
1639	015169	281	TAAPRV S SSRRYS
1640	015169	325	NDSEQQS L SSDAD
1641	015169	328	EQQSL S DADTLS
1642	015169	338	TLSLTDS S VDGIP
1643	015169	339	LSLTD S VDGIPP
1644	015169	359	RREMQE S VQVNGR
1645	015169	542	HHHVHHS T ARPKE
1646	015169	561	TRRAQ S FAWGLE
1647	015169	579	ARSRGY S ESVGAA
1648	015169	581	SRGYSE S VGAAPN
1649	015169	589	GAAPNAS D GLAHS
1650	015169	595	SDGLAHS G KVGVA
1651	015169	611	NAKKAE S GKSAST
1652	015169	616	ESGKSAS T EVPGA
1653	015169	669	ENSRPLS L EHWPWA
1654	015169	682	GPQLRTS V QPSHL
1655	015169	757	HVVPAVS D MELSE
1656	015169	776	RKVGGGS A QPCDS
1657	015169	782	SAQPCDS I VVAYY
1658	015169	819	LLTKKG S YRYYFK
1659	015232	25	PLLL L PSAAPDPV
1660	015232	47	TRGPGGS P GRRPS
1661	015232	63	PDGAPAS G TSEPG
1662	015232	66	APASGT S EPGRAR
1663	015232	79	GAGVCKS R PLDLV
1664	015232	90	LVFIIDS S RSVRP
1665	015232	91	VFIIDSS R SVRPL
1666	015232	93	IIDSSRS V RPLEF
1667	015232	107	KVKTFVS R IIDL
1668	015232	129	AVVNYAS T VKIEF
1669	015232	145	AYTDKQS L QAVG
1670	015232	157	GRITPLS T GTMMSG
1671	015232	162	LSTGTM S GLAIQT
1672	015232	184	AGAREPS S NIPKV
1673	015232	185	GAREPSS N IPKVA
1674	015232	213	AARAQAS G IELYA
1675	015232	229	DRADMAS L KMMAS
1676	015232	235	SLKMMMA S PELEH
1677	015232	255	GVIEKL S SRFQET
1678	015232	256	VIEKL S SRFQETF
1679	015232	281	CQHVCIS D GEGKH
1680	015232	305	ADKKTC S ALDRCA
1681	015232	328	VNDRSGS Y HCECY
1682	015232	370	VNDRTGS Y HCECY
1683	015232	389	ADKKTC S VRDKCA
1684	015232	398	DKCALGS H GQHI
1685	015232	407	CQHICVS D GAASY
1686	015232	412	VSDGAAS Y HCDCY
1687	015232	431	EDKKTC S ATEEAR
1688	015232	459	AFQDKVS S YLQRL
1689	015232	460	FQDKVSS Y YLQRLN
1690	015240	9	ALRLSAS A LFCLL
1691	015240	37	QPPPLS S EHKEPV
1692	015240	65	VRGARN S EPQDEG
1693	015240	95	ALDRPAS P PAPSG
1694	015240	100	ASPPAPSGSQQGP
1695	015240	102	PPAPSGSQQGPEE

1696	015240	121	LTETVRSQTHSLP
1697	015240	125	VRSQTHSLPAPES
1698	015240	131	SLPAPESPAPAAP
1699	015240	153	PEASDPSEELEAL
1700	015240	161	ELEALASLLQELR
1701	015240	170	QELRDFSPSSAKR
1702	015240	172	LRDFSPSSAKRQQ
1703	015240	173	RDFSPSSAKRQQE
1704	015240	199	TRVNLESPGPERV
1705	015240	209	ERVWRASWGEFQA
1706	015240	229	LPPPAPSQFQARM
1707	015240	238	QARMPDGPLPET
1708	015240	252	KFGEGVSSPKTHL
1709	015240	253	FGEGVSSPKTHLG
1710	015240	266	EALAPLSKAYQGV
1711	015240	284	KARRPESALLGGS
1712	015240	290	SALLGGSEAGERL
1713	015240	329	RLADLASDLLQY
1714	015240	360	AAEERESAREEEE
1715	015240	454	DPQTIDSIELST
1716	015240	459	DSLIELSTKLHLP
1717	015240	471	PADDVVSIIIEVE
1718	015240	505	APTHVRSPOPPPP
1719	015240	559	RTLQPPSALRRRH
1720	015240	573	HHALPPSRHYPGR
1721	015259	29	QVDSLLSQLKE
1722	015259	67	NALQKLSKADESA
1723	015259	72	LSKADESAPVANY
1724	015259	104	GLAVTISRENITE
1725	015259	121	TEEEEEESEDSE
1726	015259	129	SEDSEDSGGEEED
1727	015259	211	TYLEPYSEEEEGQ
1728	015259	219	EEEGQESSEEGSE
1729	015259	224	ESSEEGSEEDVEA
1730	015259	256	AVQKAISEAGIFC
1731	015259	289	VEDTNGSETGFRA
1732	015259	333	PAGFRPSTLSQLL
1733	015259	358	QPELMPSQLAFRD
1734	015259	382	SRPSRISLILTLW
1735	015259	389	LILTLWSCKMIPL
1736	015259	399	IPLPGMSIQVLSR
1737	015259	439	PKTWTFSPOVTRI
1738	015259	458	GDCFIRNSNSASPD
1739	015259	462	IRSNSASPDLGIL
1740	015259	474	LFELGISYIRNST
1741	015259	479	ISYIRNSTGERGE
1742	015259	487	GERGELS CGWVFL
1743	015259	529	EVDPsisRRAHGS
1744	015259	560	RSLNRRSRNVLSL
1745	015259	565	RSRNVLSSLPTL
1746	015259	577	LIGNMCSIHLLIF
1747	015259	601	DRMSLQSTDISH
1748	015259	628	VMDALRSWAGKE
1749	015259	635	SWAGKESTLKRS
1750	015259	640	ESTLKRS EKRDKE
1751	015259	650	DKEFLKS TFLLVY
1752	015259	706	ALQALLSPDGVHE
1753	015259	717	HEPFDLSEQTYDF

1754	015264	27	LPKTYVSPTHVGS
1755	015264	33	SPTHVGSGAYGSV
1756	015264	38	GSGAYGSVCASID
1757	015264	41	AYGSVCASIDKRS
1758	015264	47	SAIDKRSGEKVAI
1759	015264	57	VAIKKLSRPFQSE
1760	015264	62	LSRPFQSEIFAKR
1761	015264	95	DVFTPASSLRNFY
1762	015264	96	VFTPASSLRNFYD
1763	015264	123	IMGMEFSEEKIQY
1764	015264	143	GLKYIHSAGVVHR
1765	015264	196	APEVILSWMHYNQ
1766	015264	208	QTVDIWSVG CIMA
1767	015264	257	NDKAAKSYIQSLP
1768	015264	261	AKSYIQSLPQTPR
1769	015264	278	QLFPRASPQAADL
1770	015264	327	QQPFDDSLHEKL
1771	015264	350	KEIVNFSPIARKD
1772	015264	357	PIARKDSRRRSGM
1773	015269	41	IIRLLFSKTYKLQ
1774	015269	50	YKLQERSDLTVKE
1775	015269	86	LNYNIVSGPPSHK
1776	015269	90	IVSGPPSHKTVVN
1777	015269	105	ECINFASFNFLGL
1778	015269	124	KAAALASLKKYGV
1779	015269	165	EEAIISYGFATI
1780	015269	173	GFATIASAI PAYS
1781	015269	179	SAIPAYS KRGDIV
1782	015269	202	QKGLQASRSDIKL
1783	015269	204	GLQASRS DIKLFK
1784	015269	276	RIFLEESLSFGVL
1785	015269	278	FLEESLSFGVLGE
1786	015269	304	DDIDLISANMENA
1787	015269	313	MENALASIGGFCC
1788	015269	322	GFCCGRSFVIDHQ
1789	015269	331	IDHQRLSGQGYCF
1790	015269	338	GQGYCFSASLPPL
1791	015269	340	GYCFSASLPPLA
1792	015269	381	KALQGISGLKVVG
1793	015269	389	LKVVGESLSPA FH
1794	015269	391	VVGESLSPAFHLQ
1795	015269	401	HLQLEESTGSREQ
1796	015269	404	LEESTGSREQDVR
1797	015269	423	DQCMNRSIALTQA
1798	015269	443	KCLPPPSIRVVVT
1799	015269	462	ELERAAS TIKEVA
1800	015287	10	QTTSVGSSCLDLW
1801	015287	11	TTSVGSSCLDLWR
1802	015287	33	AKVAQNSGLTLRR
1803	015287	56	LRGLLHSSLQGLPA
1804	015287	83	FIILRASLAQGFT
1805	015287	129	DSVLRASCLLPEL
1806	015287	137	LLPELLSALHRLV
1807	015287	169	LETLNQS QSGASK
1808	015287	171	TLNGSQSGASKDL
1809	015287	174	GSQSGASKDLLLL
1810	015287	185	LLLKTWSPPA EEL
1811	015287	230	NPDKALS SLHEAA

1812	015287	237	SLHEAA\$GLCPRP
1813	015287	254	VYTALGSCHRKG
1814	015287	277	AALKEGSAWGPPL
1815	015287	287	PPLLEASRLYQQL
1816	015287	302	TTAELESLELLVE
1817	015287	315	ALNVPCS SKAPQF
1818	015287	344	LHCGTQS QTKHIL
1819	015287	352	TKHILAS RCLQTG
1820	015287	377	LALLDS SEPRFS
1821	015287	383	SSEPRFS PPPSPP
1822	015287	422	LCELLS RTSSLL
1823	015287	453	YCPLWVSATHLLQ
1824	015287	474	AQKVAISEFSRCL
1825	015287	477	VAISEFSRCLELL
1826	015287	519	RAAALISRGLEWV
1827	015287	581	EAQTKGS HEDALW
1828	015287	588	HEDALWS LPLYLE
1829	015287	595	LPLYLES YLSWIR
1830	015287	598	YLESYLS WIRPSD
1831	015294	11	VGNVADS TEPTKR
1832	015294	62	GVLLLSS IHFQC
1833	015294	74	CRRLLDRSAHFSTL
1834	015294	78	DRSAHFST LAIKQ
1835	015294	93	LLAEAYSNLGNVY
1836	015294	148	AVQAYVS ALQYNP
1837	015294	161	DLYCVRS DLGNLL
1838	015294	195	NFAVAWS NLGCVF
1839	015294	255	LRALSLS PNHAVV
1840	015294	308	ALKEKG\$ VAEAED
1841	015294	365	EFAAAHS NLASVL
1842	015294	369	AHSNLASV LQQQG
1843	015294	391	KEAIRIS PTFADA
1844	015294	399	TFADAYSNM GNTL
1845	015294	433	AFADAH\$ NLASIH
1846	015294	442	ASIHKD\$ GNIPEA
1847	015294	451	IPEAIAS YRTALK
1848	015294	504	EKNRLPS VPHHS
1849	015294	516	SMLYPLS HGFRKA
1850	015294	552	PKDLKLS DGRLRV
1851	015294	562	LRVGYVS SDFGNH
1852	015294	571	FGNHPTS HLMQSI
1853	015294	594	VFCYAL\$ PDDGTN
1854	015294	616	NHFIDL\$ QIPCNG
1855	015294	684	ITDQETS PAEVAE
1856	015294	693	EVAEQYSE KLAYM
1857	015294	747	LKAFLDS LPDVKI
1858	015294	768	GDNADSS NTALNM
1859	015294	805	INGFSI\$ NGGLATT
1860	015294	833	IIVTTRS QYGLPE
1861	015294	871	LKRVPNS VLWLLR
1862	015294	903	QNRIIFS PVAPKE
1863	015294	1003	VWKQRIS SPLFNT
1864	015304	21	QLKVRVS QRELSR
1865	015304	26	VSQREL\$ RGVCAE
1866	015304	35	VCAERY\$ QEVFEK
1867	015304	70	VVHLPE\$ PKPGPT
1868	015304	97	DGRLIRS LGQASE
1869	015304	102	RSLGQA\$ EADPSG

1870	015304	107	ASEADPSGVASIA
1871	015304	111	DPSGVASIACSSC
1872	015304	115	VASIACSSCVRAV
1873	015304	116	ASIACSSCVRAVD
1874	015304	147	TCWGCGSVACTLC
1875	015304	159	CGLVDCSDMYEKV
1876	015350	20	TFEHLWSLEPDS
1877	015350	21	FEHLWSSLPDST
1878	015350	26	SSLEPDSTYFDLP
1879	015350	34	YFDLPQS SRGNNE
1880	015350	47	VVGTDSSMDVFH
1881	015350	48	VGGTDSSMDVFHL
1882	015350	69	AQFNLLS STMDQM
1883	015350	70	QFNLLS STMDQMS
1884	015350	77	TMDQMS SRAASAS
1885	015350	83	SRAASAS PYTPEH
1886	015350	92	TPEHAAS VPTHSP
1887	015350	104	PYAQPSS TFDTMS
1888	015350	117	PAPVIP SNTDYPG
1889	015350	135	VTFQQSS TAKSAT
1890	015350	166	PIQIKVST PPPPG
1891	015350	208	DFNEGQS APASHL
1892	015350	260	YNFMCNS SCVGGM
1893	015350	333	KRAFKQS PPAVPA
1894	015350	406	SHLQPPSYGPVLS
1895	015350	438	GQPPPSSAATPN
1896	015350	439	QPPPSSAATPNL
1897	015350	467	PANGEMS SHSAQ
1898	015350	468	ANGEMSS SHSAQS
1899	015350	469	NGEMSS SHSAQSM
1900	015350	471	EMSSSHSAQSMVS
1901	015350	477	SAQSMVS GSHCTP
1902	015350	479	QSMVSGSHCTPPP
1903	015350	495	ADPSLVSFLTGLG
1904	015350	511	CIEYFTSQGLQSI
1905	015350	516	TSQGLQS IYHLQN
1906	015350	555	KQGHDYS TAQQLL
1907	015350	563	AQQLLRS SNAATI
1908	015350	574	TISIGGS GELQRQ
1909	015357	51	LVRDSE SVAGAFA
1910	015357	145	PPLPPRS GSTSIS
1911	015357	151	SGSTSIS APGPS
1912	015357	157	SAPTGPS SPLPAP
1913	015357	158	APTPGPS PLPAPE
1914	015357	214	TRTLATS CRRRLHS
1915	015357	240	KVFDQQSSPMVTR
1916	015357	263	GEQELES LVLKLS
1917	015357	269	SLVLKLS VLKDFL
1918	015357	352	LRRQRDS QEDWTT
1919	015357	397	KDFIFVS SARKREA
1920	015357	435	GTWNMGSVPPPKN
1921	015357	504	RPIAMQS LWNIKV
1922	015357	523	EHENRIS HVSTSS
1923	015357	529	SHVSTSS VKTGIA
1924	015357	547	KGAVGVSF MFNGT
1925	015357	554	FMFNGTS FGFVNC
1926	015357	564	VNCHLTS GNEKTA
1927	015357	667	YRYERGS RD TYAW

1928	015357	719	IVTSDHS PVFGTF
1929	015357	740	ISKKGLSKTSQDA
1930	015357	771	FFIEFYSTCLEEY
1931	015357	900	DEAGAKSKAPSVS
1932	015357	906	SKAPSVSRGSQEP
1933	015357	914	GSQEPRSGSRKPA
1934	015357	929	EASCPLSRLFEFP
1935	015357	980	APPKNSFNNPAY
1936	015357	1040	VGEGSSSDEESGG
1937	015357	1068	AIFLPPSLDPLPG
1938	015357	1104	PLPPGPS PASTFL
1939	015357	1107	PGPSPASTFLGEV
1940	015357	1122	GDDRSCSVLQMAK
1941	015357	1176	PPRIRES IQEDLA
1942	015372	10	RKEGTGSTATSSS
1943	015372	14	TGSTATSSSSTAG
1944	015372	15	GSTATSSSSTAGA
1945	015372	16	STATSSSSTAGAA
1946	015372	17	TATSSSSTAGAAG
1947	015372	31	GKGKGGS GDSAVK
1948	015372	34	KGGSGD SAVKQVQ
1949	015372	106	QMEMMRS LRHVNI
1950	015372	122	HVGWYQS TYYGSF
1951	015372	127	QSTYYGS FVTRAL
1952	015372	136	TRALLDSQFSYQH
1953	015372	139	LLDSQFSYQH AIE
1954	015372	147	QHAIEES VVLIYD
1955	015372	161	IKTAQGS LSLKAY
1956	015372	163	TAQGSL S LKAYRL
1957	015372	208	PIVIKNS HLINVL
1958	015372	222	WELEKK S AVADKH
1959	015372	232	DKHELLS LASSNH
1960	015372	235	ELLSLAS SNHLGK
1961	015372	236	LLSLAS SNHLGKN
1962	015372	254	DRVDEMS QDIVKY
1963	015372	268	TYMRNTS KQQQQK
1964	015372	290	ENMQRQS RGEPLL
1965	015372	302	LPEEDLS KLFKPP
1966	015372	316	P PARMD S LLIAGQ
1967	015382	16	WARKLLS VPWLIC
1968	015382	29	GPRRYAS S SFKAAD
1969	015382	30	P RRYASS S FKAADL
1970	015382	31	R RYASS S FKAADL
1971	015382	92	LTLHPAS SSLHYS
1972	015382	93	TLHPASS SLHYS L
1973	015382	94	LHPASS S LHYS LQ
1974	015382	98	SSSLHYS LQLFEG
1975	015382	130	MDRMLRS AMRLCL
1976	015382	138	MRLCLPS FDKLEL
1977	015382	166	PDAAGT S LYVRPV
1978	015382	179	LIGNEPS LGVSQP
1979	015382	183	EPSLGVS QPTRAL
1980	015382	205	AYFPGGS VTPVSL
1981	015382	210	GSVTPV S LLA DPA
1982	015382	300	PGVVRQS LLDMAQ
1983	015382	338	VREVFGS GTACQV
1984	015392	20	LKDHRIS TFKNWP
1985	015392	81	EEHKKHS SGCAFL

1986	015392	82	EHKKHSSGCAFLS
1987	015392	88	SGCAFLSVKKQFE
1988	015400	19	QLAQRISSNIQKI
1989	015400	20	LAQRISSENQKIT
1990	015400	29	QKITQCSVEIQRT
1991	015400	45	LGTPQDSPELRQQ
1992	015400	75	YIKEFGSLPTTPS
1993	015400	81	SLPTTPSEQRQRK
1994	015400	100	VAEFTTSLTNFQK
1995	015400	125	VARVRASSRVSGS
1996	015400	126	ARVRASSRVSGSF
1997	015400	129	RASSRVSFSPED
1998	015400	131	SSRVSGSFSPEDSS
1999	015400	136	GSFPEDSSKERNL
2000	015400	137	SFPEDSSKERNLV
2001	015400	144	KERNLVSWESQTQ
2002	015400	147	NLVSWESQTQPQV
2003	015400	173	LIHERESSIRQLE
2004	015400	174	IHERESSIRQLEA
2005	015400	205	QGDVIDSIEANVE
2006	015400	225	QANQQLSRAADYQ
2007	015400	234	ADYQRKSRKTLCI
2008	015400	253	IGVAIISLIIWGL
2009	015446	13	GDAARFSCPPNFT
2010	015446	25	TAKPPASESPRFS
2011	015446	27	KPPASESPRFSLE
2012	015446	31	SESPRFSLEALTG
2013	015446	64	GRHVPLSGSQIVK
2014	015446	66	HVPLSGSQIVKGK
2015	015446	84	HYRVLSSCPQAG
2016	015446	85	RYRVLSSCPQAGE
2017	015446	98	ATLLAPSTEAGGG
2018	015446	109	GGLTCASAPQGTL
2019	015446	124	LEGPQQSLSGSPL
2020	015446	126	GPQQSLSGSPLQP
2021	015446	128	QQSLSGSPLQPIP
2022	015446	136	LQPIPASPPPQIP
2023	015446	163	PVTGPRSALAPNL
2024	015446	172	APNLLTSGKKKE
2025	015446	205	VDMALGSPEMDVR
2026	015446	248	LGVLFPSSTKKRK
2027	015446	285	LEDTVLSPTKKRK
2028	015446	309	EGVTVESQPQVKV
2029	015446	359	EMKPESPGGTMA
2030	015446	420	PQAAPTSSTKKKK
2031	015446	459	ARATPGSTTKRK
2032	015446	467	KKRKKQSQESRMP
2033	015446	470	KKQSQESRMPETV
2034	015446	488	PGPPLNSSESGEAA
2035	015446	490	PPLNSESGEEAPT
2036	015455	155	LITLDLSHNGLSS
2037	015455	160	LSHNGLSSTKLGT
2038	015455	161	SHNGLSSTKLGTQ
2039	015455	197	LDIFANSSLKKLE
2040	015455	198	DIFANSSLKKLEL
2041	015455	205	LKKLELSSNQIKE
2042	015455	206	KKLELSSNQIKEF
2043	015455	249	LELANTSIRNLSL

2044	O15455	261	LSNSQLS TTSNTT
2045	O15455	282	LTMLDLS YNNLNV
2046	O15455	315	NIQHLFS HSLHGL
2047	O15455	337	RSFTKQS SISLASL
2048	O15455	339	FTKQSIS LASLPK
2049	O15455	342	QSISLAS SLPKIDD
2050	O15455	350	PKIDDFS FQWLKC
2051	O15455	407	FVSLAHS PLHILN
2052	O15455	420	LTKNKIS KIESDA
2053	O15455	464	IFEIYLS YNKYLQ
2054	O15455	475	LQLTRNS FALVPS
2055	O15455	497	ALKNDSS SPSPFQ
2056	O15455	498	LKNVDSS PSPFQP
2057	O15455	514	LTILDLS NNNNIAN
2058	O15455	562	YFLKGLS SHLHILN
2059	O15455	571	HILNLES NGFDEI
2060	O15455	614	NQVSLKS LNLQKN
2061	O15455	672	TNIPELS SHYLCN
2062	O15455	673	NIPELSS HYLCNT
2063	O15455	694	VRLFDT SCKDSA
2064	O15455	731	FEGWRIS FYWNVS
2065	O15455	737	SFYWNVS VHRVLG
2066	O15455	776	VWEHFSS MEKEDQ
2067	O15455	783	MEKEDQS LKFCLE
2068	O15455	846	IEQNLD SIIILVFL
2069	O15492	30	GIFLHK SSELGCDT
2070	O15492	38	LGCDTG S TGKF EW
2071	O15492	46	GKFEWGS KHSKEN
2072	O15492	49	EWGSKHS KENRNF
2073	O15492	56	KENRNFS EDVLGW
2074	O15492	65	VLGWRES FDLLLS
2075	O15492	71	SFDLLLS SKNGVA
2076	O15492	72	FDLLLSS KNGVAA
2077	O15492	88	FLKTEF SEENLEF
2078	O15492	106	EFKKIRS ATKLAS
2079	O15492	112	SATKLAS RAHQIF
2080	O15492	124	FEFFIC S EAPKEV
2081	O15492	167	TLMEKDS YPRFLK
2082	O15492	174	YPRFLKS PAYRDL
2083	O15492	185	DLAAQAS AASATL
2084	O15492	188	AQASAAS ATLSSC
2085	O15492	192	AASATL S CSLDE
2086	O15492	193	ASATLSS CSLDEP
2087	O15516	12	SCSKMSS I IVDRDD
2088	O15516	38	DKAKRVS RNKSEK
2089	O15516	77	STVLQKS IDFLRK
2090	O15516	91	KEITAQS DASEIR
2091	O15516	106	WKPTFLS NEEFTQ
2092	O15516	130	AIMTDGS I IYVSE
2093	O15516	135	GSIIYV S ESVTSL
2094	O15516	137	IIYVSE S VTSLL
2095	O15516	147	LLEHLP S DLVDQS
2096	O15516	179	HLLES D SLTPEYL
2097	O15516	224	NFKSLNS VSSSAH
2098	O15516	227	SLNSV S SAHNGF
2099	O15516	278	PNEEFT S RHSLEW
2100	O15516	364	TYHQWNS RPEFIV
2101	O15516	441	RSSRKSS H TAVSD

2102	O15516	446	SSHTAVSDPSSTP
2103	O15516	481	QRRSSFSQSINS
2104	O15516	482	RRSSFSSQSINSQ
2105	O15516	487	SSQSINSQSVGSS
2106	O15516	609	PTNQIQSGMNTGH
2107	O15516	630	QQQTTLQSTSTQSQ
2108	O15516	632	QLQSTSTQSQQN
2109	O15516	635	QSTSTQSQQNVLS
2110	O15516	641	SQQNVLSGHSQQT
2111	O15516	648	GHSQQTSLPSQTQ
2112	O15516	668	YNTMVISQPAAGS
2113	O15516	680	SMVQIPSSMPQNS
2114	O15516	686	SSMPQNSTQSAAV
2115	O15516	789	QQFLQTSRLLHGN
2116	O15516	797	LLHGNPSTQLILS
2117	O15516	803	STQLILSAAFPLO
2118	O15516	816	QSTFPQSHHQHQ
2119	O15516	823	HHQQHQSQQQQQL
2120	O15530	16	DAVPIQSSVVLCS
2121	O15530	17	AVPIQSSVVLCSC
2122	O15530	22	SSVVLCSCPSPSM
2123	O15530	27	CSCPSPSMVRTQT
2124	O15530	35	VRTQTESSTPPGI
2125	O15530	36	RTQTESSTPPGIP
2126	O15530	45	PGIPGGSRQGPAM
2127	O15530	64	PRPGAGSLQHAQP
2128	O15530	92	KILGEGSFSTVVL
2129	O15530	94	LGEGSFSTVVLAR
2130	O15530	105	ARELATSRREYAIK
2131	O15530	135	RERDVMSRLDHPF
2132	O15530	160	KLYFGLSYAKNGE
2133	O15530	176	YIRKIGSFDETCT
2134	O15530	191	YTAEIVSALEYLH
2135	O15530	231	GTAKVLSPESKQA
2136	O15530	234	KVLSPESKQARAN
2137	O15530	250	GTAQYVSPELLTE
2138	O15530	258	ELLTEKSACKSSD
2139	O15530	262	EKSACKSSDLWAL
2140	O15530	263	KSACKSSDLWALG
2141	O15530	344	AHPFFEVTWENL
2142	O15530	366	AYLPAMSEDDEDCC
2143	O15530	381	NYDNLLSQFGCMQ
2144	O15530	389	FGCMQVSSSSSSH
2145	O15530	390	GCMQVSSSSSSHS
2146	O15530	391	CMQVSSSSSSHSL
2147	O15530	392	MQVSSSSSSHSL
2148	O15530	421	YIHLDLDSNSFELD
2149	O15530	423	HDLDSNSFELDLQ
2150	O15530	431	ELDLQFSEDEKRL
2151	O15547	10	QLAGAGSMGSPGA
2152	O15547	13	GAGSMGSPGATTG
2153	O15547	74	DLEPQFSIITKLK
2154	O15547	83	TKLKGVSVTQIKE
2155	O15547	132	RCPEHPSVPLANC
2156	O15547	153	GEGGTHSHGVKTG
2157	O15547	175	RTCEIWSWCPVES
2158	O15547	181	SWCPVESGVVPSR
2159	O15547	186	ESGVVPSRPLLAQ

2160	O15547	207	KNTVTF S KFNFSK
2161	O15547	212	FSKFNFS S KSNALE
2162	O15547	214	KFNFSK S NALETW
2163	O15547	235	RYEPQF S PYCPVF
2164	O15547	263	LALLGG S VGIRVH
2165	O15547	279	DLDTGDS G CWPHY
2166	O15547	286	GCWPHYS F QLQEK
2167	O15547	293	FQLQEKS Y NFRTA
2168	O15547	386	PKATANS V WRELA
2169	O15547	395	RELALAS Q ARLAE
2170	O15547	406	AECLRRS S APAPT
2171	O15547	407	ECLRRS S APAPTA
2172	O15547	418	TATAAGS Q TQTPG
2173	O15547	429	PGWPCPS S DTHLP
2174	O15547	430	GWPCPSS D THLPT
2175	O15554	24	LLEQEKS SL AGWAL
2176	O15554	53	LWFGGCS W ALYL
2177	O15554	66	LVKCTIS I STFLL
2178	O15554	68	KCTIS I STFLLC
2179	O15554	137	LGAPLTS P QPWPG
2180	O15554	153	QGEALLS L AMLLR
2181	O15554	171	RAVLLRS G VLLNA
2182	O15554	178	GVLLNAS Y RSIGA
2183	O15554	181	LNASYRS I GALNQ
2184	O15554	224	TTAWVL S VAERQA
2185	O15554	238	NATGHL S DTLWLI
2186	O15554	314	TKEMKES A ARVILQ
2187	O15554	334	HTRRKES H AARRH
2188	O15554	367	LREQVNS M VMDISK
2189	O15554	372	NSMVDIS K MHMIL
2190	O15554	386	DLQQNL S SSHRAL
2191	O15554	387	LQQNL S SHRALE
2192	O15554	388	QQNLSS S HRALEK
2193	O15554	411	ALTELLS T ALGPR
2194	O43156	84	LTFVLSS T CVKEQ
2195	O43156	101	ELFSELS A CLYSP
2196	O43156	106	LSACLYS P SSQKP
2197	O43156	108	ACLYSPS S QKPAA
2198	O43156	146	LTFYEPS I LPRLG
2199	O43156	193	CQDHPRS L DELEQ
2200	O43156	208	LGDLFAS F LPGIS
2201	O43156	256	EQLKRIS K VQAKP
2202	O43156	324	LLKCSQS L VECAG
2203	O43156	344	GLVNDES P EIQAQ
2204	O43156	380	LSESLHS L ATSLP
2205	O43156	384	LHSLATS L PRLMN
2206	O43156	391	LPRLMNS Q DDQGK
2207	O43156	421	INFVLNS V AHLQR
2208	O43156	559	LREIVTS I LEEYT
2209	O43156	566	ILEEYTS Q ENWYL
2210	O43156	597	GLQAIT S GEHTCQ
2211	O43156	611	TSFLAFS K PSPTI
2212	O43156	619	PSPTIC S MNSNIW
2213	O43156	651	FCLLLMS A LYPVL
2214	O43156	668	DQTLLIS Q VATST
2215	O43156	673	ISQVAT S TMMMDVC
2216	O43156	703	YLVNGIS L NLRHL
2217	O43156	726	EVMLRNS D ANLLP

2218	043156	758	RAASFVSVLHALM
2219	043156	784	GHLQEQS L GEEGS
2220	043156	838	NEEEEQS V PPKVD
2221	043156	898	CVVVLQS H KNQLL
2222	043156	913	AHQAWPS L VHRLT
2223	043156	1061	FTPPHP S LHPVQL
2224	043156	1071	VQLHGASGQQNPY
2225	043164	76	DVPKENS S GGSSPL
2226	043164	77	VPKEN S GGSSPLD
2227	043164	80	ENSSG S SPLDQVD
2228	043164	87	PLDQVDS S LPSEP
2229	043164	107	EIPTCGS A NQTT
2230	043164	115	LNQTTE S SQSFVA
2231	043164	142	TNLHNHSEGEYIP
2232	043164	155	GACSA S VQNGIA
2233	043164	184	NDHLQLS A EVVEG
2234	043164	191	AEVVEGS R YQESL
2235	043164	216	EAYTGLS P PVPSF
2236	043164	221	LSPPVPS F NCEVR
2237	043164	253	EFVHQNS Q EIQRS
2238	043164	259	SQEIQRS S QDEM V
2239	043164	282	ERQTEHS P EDAAC
2240	043164	308	REKNHG S SP E QVV
2241	043164	355	ALEVEE S GSDDL L
2242	043164	357	EVEESG S DDLLIK
2243	043164	381	FLDP P YS R VITQR
2244	043164	454	EKDQSS S DESWET
2245	043164	457	QSSSDES W ETLPG
2246	043164	473	NEPELQS D SSGPE
2247	043164	486	EENQEL S LQE G EQ
2248	043164	511	YNEVNE S SSDEGN
2249	043164	551	DLDVDWS L FDGFA
2250	043164	567	GVAEAIS Y VDPQF
2251	043164	609	VANPPAS K E I DG
2252	043164	639	CCPICCSEYIKDD
2253	043164	686	PAVIEAS A APSSE
2254	043164	690	EASAAPS S EPDPD
2255	043164	691	ASAAPS S EPDPDA
2256	043175	12	LRKVLI S DSL D PC
2257	043175	14	KVLIS D SL D CCR
2258	043175	37	VEKQNL S KEELIA
2259	043175	55	EGLIVRS A TKVTA
2260	043175	103	NTPNGNS L SAAEL
2261	043175	105	PNGNSL S AAELTC
2262	043175	127	IPQATAS M KDGKW
2263	043175	166	VATRMQS F GMKTI
2264	043175	179	GYDPII S PEVSAS
2265	043175	183	IISPEVSAS F GVQ
2266	043175	185	SPEVSAS F GVQL
2267	043175	212	HTPLLPS T TGLLN
2268	043175	251	LLRALQS G CAGA
2269	043175	280	DHENVI S CPHLGA
2270	043175	287	CPHLGAST K EAQS
2271	043175	293	STKEAQ S RCGEEI
2272	043175	311	DMVKGKS L TGVVN
2273	043175	323	NAQALT S AFSPHT
2274	043175	326	ALTSAF S PHTKPW
2275	043175	349	MRAWAGS P KG T IQ

2276	043175	362	VITQGT S LKNAGN
2277	043175	371	NAGNC L SPAVIVG
2278	043175	383	GLLKEA S KQADVN
2279	043175	407	GLNVTT S HSPAAP
2280	043175	409	NVTTSH S PAAPGE
2281	043175	473	LFRTQT S DPAMLP
2282	043175	494	AGVRLL S YQTSILV
2283	043175	498	LLSYQT S LVSDGE
2284	043175	501	YQTSLV S DGETWH
2285	043175	512	WHVMGI S LLPSL
2286	043175	513	HVMGI S LLPSLE
2287	043175	517	ISSLLP S LEAWKQ
2288	043255	10	PSSTGPSANKPCS
2289	043255	39	PAAAT I SAAGPGS
2290	043255	45	SAAGPG S SAVPAA
2291	043255	46	AAGPG S SAVPAAA
2292	043255	56	AAAAVISGPGGGG
2293	043255	76	QHELT S LFECPV
2294	043255	109	QCROK L CCPTCR
2295	043255	121	RGALTP S IRNLAM
2296	043255	132	AMEKV A AVLFPC
2297	043255	146	YATTGC S LTLHHT
2298	043255	167	CEYRPY S CPCPGA
2299	043255	174	CPCPG A SCKWQGS
2300	043255	180	SCKWQ G SLEAVMS
2301	043255	186	SLEAVM S HLMHAH
2302	043255	194	LMHAHK S ITTLQG
2303	043255	223	DWVMMQ S CFGHHF
2304	043255	282	WEATPRS I HDGVA
2305	043255	294	AAAIMNS D CLVFD
2306	043257	10	KKTSVRS Q DPGQR
2307	043257	94	LEEQNL S VAEGPN
2308	043257	110	ACAGPP S RQPQRF
2309	043257	124	AVCGFP S PYTCVS
2310	043257	130	SPYTCV S CGARYC
2311	043264	12	TEVLAH S GRLEKE
2312	043264	25	DLGTRIS R LTRRV
2313	043264	47	MISKKY S EFLPSM
2314	043264	67	TQVDKL S EDIDILL
2315	043264	79	LKSRIE S EVRRDL
2316	043264	107	RDSVVL S LLKQLQ
2317	043264	163	KILKSL S MELTIQ
2318	043264	192	VWKFPP S KDTSSL
2319	043264	225	TPMPP I S V LAF
2320	043264	226	PMPP <i>I</i> SS V LAFS
2321	043264	232	SVLLAF S VLGELH
2322	043264	243	LHSKL K SFGQMLL
2323	043264	258	ILRPLAS C PSLHA
2324	043264	268	LHAVIE S QPNIVI
2325	043264	279	VIIRFES I MTNLE
2326	043264	288	TNLEYP S PSEVFT
2327	043264	290	LEYPSP S EVFTKI
2328	043264	322	LENEKT S TVPLAE
2329	043264	356	SIPTNSS K LQQYE
2330	043264	367	YEEIIQS T EEEFEN
2331	043264	417	ARNLMT S EIHNTV
2332	043264	429	VKIIIPD S SKINVPE
2333	043264	480	LPTCRI S ESVKKL

2334	043264	511	AVQLFY S VRNIFH
2335	043264	605	ELLERL S SARNFS
2336	043264	620	DDEENY S AASKAV
2337	043264	623	ENYSAAS K AVRQV
2338	043264	662	LLNTAI S EVIGKI
2339	043264	684	DGDRLY S LCKTVM
2340	043264	701	QVFAPL S EESKNK
2341	043264	704	APLSEES K NKKYQ
2342	043264	733	MMMLQAS L QEIGD
2343	043264	755	AAAFSS S EVKALI
2344	043294	9	DLDALL S DETTT
2345	043294	16	DLETTT S HMPRSG
2346	043294	21	TSHMPRS G APKER
2347	043294	37	PLTPPPS Y GHQPQ
2348	043294	46	HQPQTGS G ESSGA
2349	043294	49	QTGSGE S SGASGD
2350	043294	50	TGSGESS G ASGDK
2351	043294	61	DKDHLY S TVCKPR
2352	043294	68	TVCKPRS P KPAAP
2353	043294	82	APPFSS S GVLGT
2354	043294	113	ITDEIMS Q FPSSK
2355	043294	117	IMSQFP S KVASG
2356	043294	118	MSQFPSS K VASGE
2357	043294	130	EQKEDQS E DKKRP
2358	043294	143	SLPSSPS P GLPKA
2359	043294	153	PKASAT S ATLELD
2360	043294	166	RLMASL S DFRVQN
2361	043294	177	QNHLPAS G PTQPP
2362	043294	186	TQPPVV S STNEGS
2363	043294	192	SSTNEGS P SPPEP
2364	043294	194	TNEGSPS P PEPTG
2365	043294	203	EPTGKG S LDTMLG
2366	043294	216	LLQSDL S RRGVPT
2367	043294	258	FVCGGC S TALGGS
2368	043294	265	TALGGSS F FEKDG
2369	043294	284	CYFERFS P RCGFC
2370	043294	315	EHFCCVS C GEPEG
2371	043294	359	IILDNY I SALSALW
2372	043294	362	NYISALS A LWHPD
2373	043294	380	ECFAPFS G GSFFE
2374	043294	383	APFSGGS F FEHEG
2375	043294	403	FHARRGS L CATCG
2376	043294	418	VTGRCVS A LGRRF
2377	043318	11	SAASSSSSS S AGE
2378	043318	12	AASSSSSS S AGEM
2379	043318	13	ASSSSSS S AGEMI
2380	043318	23	EMIEAPS S QVLNFE
2381	043318	67	AIKQIES E SERKA
2382	043318	82	VELRQLS R VNHPN
2383	043318	111	EYAEGGS L YNVLH
2384	043318	138	SWCLQCS Q GVAYL
2385	043318	204	PEVFEGS N YSEKC
2386	043318	207	FEGSNY S EKCDF
2387	043318	214	EKCDVFS W GIILW
2388	043318	272	CWSKDPS Q RPSME
2389	043318	276	DPSQRPS M EEIVK
2390	043318	318	SATSTGS F MDIAS
2391	043318	324	SFMDIAS T NTSNK

2392	043318	331	TNTSNKSDTNMEQ
2393	043318	350	TIKRLESKLLKNQ
2394	043318	374	LGASRGSSVESLP
2395	043318	417	GHRKTASFGNILD
2396	043318	430	VPEIVISGNGQPR
2397	043318	455	EPGQVSSRSSSPS
2398	043318	458	QVSSRSSLPSVRM
2399	043318	461	SRSSSPSSLVRMITT
2400	043318	478	SEKPTRSHPWTPD
2401	043318	486	PWTPDDSTDTNGS
2402	043318	492	STDNNGSDNSIPM
2403	043318	495	TNGSDNSIPMAYL
2404	043318	519	CPNSKESMAVFEQ
2405	043318	565	KDQQNTSRLVQEH
2406	043318	582	DENKSLSTYYQQC
2407	043318	597	QLEVIRSQQQKRQ
2408	043324	8	AAAELSLLEKSL
2409	043324	13	LSLLEKS LGLSKG
2410	043324	17	EKSLGLSKGNKYS
2411	043324	23	SKGNKYSAQGERQ
2412	043324	40	QTNNGPSLTGLTT
2413	043324	63	KEYLLGSTAEEKA
2414	043324	86	TQVDGHSSKNDIH
2415	043324	87	QVDGHSSKNDIHT
2416	043324	100	LLKDLNSYLEDKV
2417	043324	143	EKYLNVS RWFCHI
2418	043324	160	GIRQHLS SVVFIK
2419	043324	161	IRQHLSSVVFIKN
2420	043353	8	NGEAICSAALPTIP
2421	043353	25	ADLRYLSSRGASGT
2422	043353	29	YLSRGAS GTVSSA
2423	043353	33	GASGTVSSARHAD
2424	043353	102	EYMPNGSLNELLH
2425	043353	180	SLSQSRS SKSAPE
2426	043353	183	QSRSSKSKAPEGGT
2427	043353	207	GQKSRASIKHDY
2428	043353	214	IKHDIYSYAVITW
2429	043353	241	PLQIMYSVSQGHR
2430	043353	267	HRARMISLIESGW
2431	043353	271	MISLIESGWAQNP
2432	043353	282	NPDERPSFLKCLI
2433	043353	316	KKTKLQSVSSAIHLC
2434	043353	318	TKLQSVSSAIHLC
2435	043353	319	KLQSVSSAIHLC
2436	043353	332	KKKMELS LNI PVN
2437	043353	345	HGPQEESCGSQL
2438	043353	348	QEESCGSQLHEN
2439	043353	349	EESCGSQLHENS
2440	043353	355	SQLHENSGSPETS
2441	043353	361	SGSPETS RSLPAP
2442	043353	374	QDNDFLSSRKAQDC
2443	043353	399	SWDSTISGSQRRAA
2444	043353	401	DSTISGSQRAAF
2445	043353	423	AIINPLSTAGNSE
2446	043353	428	LSTAGNSERLQPG
2447	043353	442	AQQWIQS KREDIV
2448	043353	459	EACLNQSSL DALLS
2449	043353	478	EDYELVSTKPTRT

2450	043353	485	TKPTRT S KVRQLL
2451	043390	22	EEPMDT S SVTHTE
2452	043390	23	EPMDT S SVTHTEH
2453	043390	78	NEEGAL S VLQQFK
2454	043390	86	LQQFKE S DLSHVQ
2455	043390	89	FKESDLS H VQNKS
2456	043390	95	SHVQNKS A FLCGV
2457	043390	113	QREKQ G SKVQEST
2458	043390	118	GSKVQ E STKGPDE
2459	043390	154	GGPPP D SVYSGVQ
2460	043390	157	PPDSV Y SGVQPGI
2461	043390	202	LMM DPL SGQNRGY
2462	043390	228	AVKL CDS YEIRPG
2463	043390	242	HLGVC I SVANNRL
2464	043390	252	NRLFVG S IPKNKT
2465	043390	267	NILEEF S KVTEGL
2466	043390	301	EYEDHK S AAQARR
2467	043390	311	ARRRLMS G KVKVW
2468	043390	360	EEILEK S FSEFGK
2469	043390	362	ILEKSF E FGKLE
2470	043390	426	QAARQAS R STAYE
2471	043390	428	ARQASR S TAYEDY
2472	043390	530	RGRAGY S QRGAPL
2473	043390	542	LGPPRG S RGGRRGG
2474	043390	558	QQRGRG S RGSRGN
2475	043390	561	GRGSRG S RGNRGG
2476	043390	583	GYNQP D SKRRQTN
2477	043390	596	NQQNWGS Q PIAQOQ
2478	043390	611	QQGGD Y SGNYGYN
2479	043432	9	SQPQTR S PFFQRP
2480	043432	27	RATIPN S SPSIRP
2481	043432	30	IPNSSP S IRPGAQ
2482	043432	176	PIGRPT S TPTPPQ
2483	043432	192	SQVPEH S PVVYGT
2484	043432	288	PTSSAL S SQPIFT
2485	043432	304	DDRCEL S SPREDT
2486	043432	305	DRCEL S PREDTI
2487	043432	424	PPTPPA S PPHTPV
2488	043432	487	TEEILD S QNLNSR
2489	043432	492	DSQNLNS R RSVPVP
2490	043432	559	HPERD P DLKKVK
2491	043432	594	EGIDAN S GSTDSS
2492	043432	596	IDANSG T DSGGD
2493	043432	600	SGSTD S GDGVTF
2494	043432	649	EGLPPI S DVVLDK
2495	043432	760	LFRKV R SILNKLT
2496	043432	778	QLMKQV S GLTVDT
2497	043432	806	IDEPSF S VAYANM
2498	043432	925	KNHDEE S LECLCR
2499	043432	967	KERKT S RIRFML
2500	043432	1050	SRVLD P SKFLKIT
2501	043432	1086	SGGAKA S ETDALR
2502	043432	1102	SSLNRFS A LQPPA
2503	043432	1218	HDKAAL S EEELER
2504	043432	1226	EELERK S KIIDE
2505	043432	1265	VRVGVE S TLERSQ
2506	043432	1409	DFIESD S PCSSEA
2507	043432	1412	ESDSPC S SEALSK

2508	043432	1459	DEIQMSSPTFLRA
2509	043432	1517	LYALQASIVKLDQ
2510	043463	9	ENLKGC S VCCCKSS
2511	043463	14	CSVCKKS S WNQLQ
2512	043463	15	SVCCCKSS S WNQLQD
2513	043463	29	CRLAKL S CPALGI
2514	043463	36	CPALG I SKRNL Y D
2515	043463	70	WRGYPD S ESTWEP
2516	043463	72	GYPD S E T WEPRQ
2517	043463	104	LRRHHRS K TPRHL
2518	043463	113	PRHLDPS L ANYLV
2519	043463	140	ELNAKR S H G RIT
2520	043463	199	GCCPGAS L HKFAY
2521	043463	224	PIYECNSRCRCGY
2522	043463	268	EKIRKNSFVMEYV
2523	043463	280	VGEIIT S EEAERR
2524	043463	319	AYYGNISHFVNHS
2525	043463	325	SHFVNHS C DPNLQ
2526	043463	376	DPVDMES T RMDSN
2527	043463	381	ESTRMD S NFGLAG
2528	043463	391	LAGLPGS P KKRVR
2529	043490	17	LGLCGNS F SGGQP
2530	043490	19	LCGNSF S GGQPSS
2531	043490	24	FSGGQPS S TDAPK
2532	043490	25	SGGQPS S TDAPKA
2533	043490	46	NYETQDS H KAGPI
2534	043490	86	LQKAYE S KIDYDK
2535	043490	232	AFTDLNS I NSVLG
2536	043490	279	MNSTLKS L HQQST
2537	043490	284	KSLHQQS T QLSSS
2538	043490	288	QQSTQL S SSLTSV
2539	043490	290	STQLSS S LT S VKT
2540	043490	293	LSSSLT S VKTSLR
2541	043490	300	VKTSLRS S LN D PL
2542	043490	301	KTS L RSS L N D PLC
2543	043490	312	LCLVHP S SETCNS
2544	043490	322	CNSIRL S SQLNS
2545	043490	388	IKRVLNS I GSDID
2546	043490	391	VLNSIGS D IDNVT
2547	043490	410	DILSAF S VYVNNT
2548	043490	443	GGLVIC S LLTLIV
2549	043490	490	MVGVGL S FLFCWI
2550	043490	543	DWEYYL S GKLFNK
2551	043490	550	GKLFNKS K MKLTF
2552	043490	578	TLHLQNS F NISEH
2553	043490	582	QNSFN I SEH L NIN
2554	043490	595	EHTGSI S SELESL
2555	043490	596	HTGSI S SELESLK
2556	043490	600	ISSELES L KVNLN
2557	043490	693	PIEQSL S LYQSV
2558	043490	719	VTRILAS L DFAQN
2559	043490	732	FITNNNT S VIIEE
2560	043490	760	LQWIEFS I SEKVA
2561	043490	785	VDVFLCS Y IIDPL
2562	043491	57	PAAESQS S LR R QK
2563	043491	69	KREKET S ESRGIS
2564	043491	71	EKETSE S RGISRF
2565	043491	87	WLKKQKS Y TLVVA

2566	043491	149	VKEEKPSVSKEEK
2567	043491	208	LKAEKASQKVTKK
2568	043491	231	LDGTEYSCDLEKH
2569	043491	302	FYPPDPSQLTEDI
2570	043491	359	HGSIDLSEFQFAP
2571	043491	449	PKILKISYKRSNF
2572	043491	453	KISYKRNSFYIKV
2573	043491	513	KFLTLGSKFRYSG
2574	043491	548	TSSKRVSRSLDGA
2575	043491	598	GRREVRSPTKAPH
2576	043491	627	NIYVRHSNLMLEE
2577	043491	647	ILKHQASISELKR
2578	043491	658	KRNFMESTPEPRP
2579	043491	676	RRITPLSLQTQGS
2580	043491	682	SLQTQGS SHETLN
2581	043491	683	LQTQGS SHETLNI
2582	043491	715	MNGKEISP GPGPG
2583	043491	718	KEISP GPGGEIR
2584	043491	734	PVTQKDSTSLSSE
2585	043491	741	TSLSSE SSSSSSE
2586	043491	746	ESSSSSEEEEDVG
2587	043491	748	SSSSSEEEEDVG
2588	043491	854	KVNGEVSHVDIDV
2589	043491	881	TEMVTISDASQRT
2590	043491	884	VTISDASQRTEIS
2591	043491	890	SQRTEISTKEVPI
2592	043491	932	QTITSESVSTTTT
2593	043491	987	EQHPDMSVTRVVV
2594	043493	45	NVSTHPSLSQRPG
2595	043493	56	PGGSTKSHPEPQT
2596	043493	68	TPKDSPSKSSAEA
2597	043493	94	AKTQKDS SNKSGA
2598	043493	98	KDSSNKSGAEAKT
2599	043493	126	KDSTS KSHPELQT
2600	043493	164	AKTQKDS PSKSGS
2601	043493	170	SPSKSGSEAQTTK
2602	043493	182	KDVPNKS GADGQT
2603	043493	193	QTPKDGS SKSGAE
2604	043493	196	KDGSSKSGAEDQT
2605	043493	210	KDVPNKS GAEKQT
2606	043493	236	GPIDGPSKSGAEE
2607	043493	238	IDGPSKSGAEEQT
2608	043493	245	GAEEQTS KDSPNK
2609	043493	258	VVPEQPSRKDHSK
2610	043493	267	DHSKPISNPSDNK
2611	043493	270	KPISNPSDNKELP
2612	043493	290	ADKGKLS PHAFKT
2613	043493	315	QEEVKSS PTEDV
2614	043493	337	TGPEEGSPPKEEK
2615	043493	347	EEKEKMS GSASSE
2616	043493	352	MSG SASSENREGT
2617	043493	362	EGTLS D TGSEKD
2618	043493	365	LSDSTGSEKDDLY
2619	043493	375	DLYPNGSGNGSAE
2620	043493	379	NGSGNGSAESSHF
2621	043493	382	GNGSAESSHFFAY
2622	043493	419	VLEGKRS KVTRRP
2623	043493	428	TRRPKA SDY QRLD

2624	043493	451	PAPPKRSFLPQVL
2625	043504	17	DTMKNPSIVGVL C
2626	043504	26	GVLCTDSQGLNL G
2627	043504	38	GCRGTL SDEHAGV
2628	043504	46	EHAGVI SVLAQQA
2629	043504	57	QAAKLT SDPTDIP
2630	043504	69	PVVCL ES DNGNIM
2631	043521	9	KQPSDV S SECDRE
2632	043521	10	QPSDVS SEC DREG
2633	043521	35	RPGAPTS LQTEPQ
2634	043521	54	HGGEGD SCP HGSP
2635	043521	59	DSCP HG S P QGPL A
2636	043521	77	GPFATR S PLF IFM
2637	043521	86	FIFMRR S SLLSRS
2638	043521	87	IFMRR S SLLSRS S
2639	043521	90	RRSSLL S RSSSGY
2640	043521	92	SSLLSRS SSSGYFS
2641	043521	93	SLLSRS SSGYFSF
2642	043521	94	LLSRSS SGYFSFD
2643	043521	98	SSSGYFS FDTDRS
2644	043521	104	SFD TDRS PAPMSC
2645	043521	109	RSPAPM S CDKSTQ
2646	043521	113	PMSCDK S TQTPSP
2647	043521	118	KSTQTP S PPCQAF
2648	043521	129	AFNHYL S AMASMR
2649	043521	133	YLSAMAS MRQAEP
2650	043524	43	RPELQAS PAKPSG
2651	043524	55	GETAAD S M IPEEE
2652	043524	85	IGGGGG S GTLGSG
2653	043524	97	GLLLED S ARVLAP
2654	043524	120	TAAGGL S GGTQAL
2655	043524	173	TRAI ESS PDKRLT
2656	043524	181	DKRLTL S QIYEW M
2657	043524	200	FKDKGD S NSSAGW
2658	043524	218	HNLSLHS R FMRVQ
2659	043524	297	WPGSPT S RSSDEL
2660	043524	299	GSPTSRS S DELDA
2661	043524	318	RTNSNAS TVSGRL
2662	043524	321	SNASTV S GRLSPI
2663	043524	350	SPMLYSS SASLSP
2664	043524	353	LYSSSA S LSPSVS
2665	043524	359	SLS P S VSK PCTVE
2666	043524	411	GGLMQR S SSFPYT
2667	043524	428	GLGSPT S SFNSTV
2668	043524	432	PTSSFNS TVFGPS
2669	043524	438	STVFGPS S LNSLR
2670	043524	439	TVFGPSS LNSLRQ
2671	043524	480	LTSDSL S HSDVMM
2672	043524	527	AQP NQGS LVNQNL
2673	043524	553	SRALSNS VSNMGL
2674	043524	567	ESSSLG S AKHQQQ
2675	043524	579	QSPV S QSM QTLSD
2676	043524	596	SSL YST S ANLPVM
2677	043524	609	GHEKFPS DLD LDM
2678	043524	619	LDMFNG S LECDME
2679	043524	630	MESIIR SELMDAD
2680	043524	644	LDFNFDS LISTQN
2681	043525	225	GNVLAT S LRSLRF

2682	043525	228	LATSLRSLRFLQI
2683	043525	252	TWKLLGSAICAHSG
2684	043525	275	FLTLILSSLFLVYL
2685	043525	337	LIAATFSLIGVSF
2686	043525	342	FSLIGVSFFALPA
2687	043525	353	PAGILGSGLALKV
2688	043525	438	LSNPRGSNTKGKL
2689	043525	456	VDAIEESPKEPKP
2690	043525	458	AIEESPSSKEPKPV
2691	043525	487	YAFWQSSEDAGTG
2692	043525	585	TPKHKKSQKGSAF
2693	043525	589	KKSQKGSAFTFPS
2694	043525	595	SAFTFPSQQSPRN
2695	043525	598	TFPSQQSPRNEPY
2696	043525	609	PYVARPSTSEIED
2697	043525	664	YPTKGTSSPAEAE
2698	043525	678	KEDNRYSDLKTII
2699	043525	727	PRGGPSSGKVQAT
2700	043525	737	QATPPSSATTYVE
2701	043525	756	ILTLLDSRVSCHS
2702	043525	759	LLDSRVSCHSQAD
2703	043525	762	SRVSCHSQADLQG
2704	043525	786	RSITRDSDTPLSL
2705	043525	791	DSDTPLSLMSVNH
2706	043525	794	TPLSLMSVNHEEL
2707	043525	805	ELERSPSGFSISQ
2708	043525	808	RSPSGFSISQDRD
2709	043525	825	GPNGGSSWMREKR
2710	043525	850	PFTPSGSMPLSST
2711	043525	854	SGSMPLSSTGDGI
2712	043525	855	GSMPLSSTGDGIS
2713	043525	863	GDGISOVDWTPSN
2714	043526	15	GVYPGPSGEKKLK
2715	043526	34	DPGAPDSTRDGAL
2716	043526	113	LVLSVFSTIKEYE
2717	043526	121	IKEYEKSSSEGALY
2718	043526	122	KEYEKSSSEGALYI
2719	043526	199	ATSALRSLRFLQI
2720	043526	303	FTLIGVSFFALPA
2721	043526	352	FYATNLSRTDLHS
2722	043526	374	TVPMYSSQTQTYG
2723	043526	433	GCCPGRSSQKVSL
2724	043526	468	TVRRSPSADQSLE
2725	043526	478	SLEDSPSKVPKSW
2726	043526	483	PSKVPKSSWSFGDR
2727	043526	490	WSFGDRSRARQAF
2728	043526	503	RIKGAAQRQNSEE
2729	043526	522	DIVDDKSCPCEFV
2730	043526	539	TPGLKVSIRAVCV
2731	043526	551	VMRFLVSKRKFKE
2732	043526	584	MLSRIKSLSQSRVD
2733	043526	672	PAPPYHSPEDSRE
2734	043526	715	PVQCPPSTSWQPQ
2735	043526	722	TSWQPQSHPRQGH
2736	043526	738	PVGDHGSLVRIIPP
2737	043526	753	AHERSL SAYGGGN
2738	043526	762	GGGNRASMEFLRQ
2739	043526	792	TSISIPSVDHEEL

2740	043526	803	ELERSFS S GFSISQ
2741	043526	808	FSGFSIS S QSKENL
2742	043526	819	NLDALNS C YAAVA
2743	043526	839	YIAEGE S DTDSDL
2744	043526	843	GESD TDS DLCTPC
2745	043541	16	VRRLWRS R VVPDR
2746	043541	27	DREEGG S GGGGGG
2747	043541	41	EDGSLGS R AEPAP
2748	043541	58	GGGCGR S EVRPVA
2749	043541	94	GPPRPM S EPGAGA
2750	043541	102	PGAGAG S LLDVA
2751	043541	103	GAGAG S LLDVAE
2752	043541	119	PGWL PES DCETVT
2753	043541	130	VTCCLF S ERDAAG
2754	043541	142	GAPRD A SPLAGA
2755	043541	158	PAGGGR S REARSR
2756	043541	163	RSREARS R LLLLE
2757	043541	187	KRLKERS L DTLLE
2758	043541	249	PLCGCH S FAAAAD
2759	043541	274	RLCGP E SPPPPYS
2760	043541	296	PLDLSD S TLSYTE
2761	043541	299	LSDSTL S YTETEA
2762	043541	317	TAPGEF S DASMSP
2763	043541	322	FSDASMS P DATKP
2764	043541	329	PDATK P SHCSVA
2765	043541	333	KPSHWC S VAYWEH
2766	043541	355	VYDQAVS I FYDLP
2767	043541	364	YDLPQGS G FCLGQ
2768	043541	377	LNLEQR S ESVRRT
2769	043541	379	LEQRSE S VRRTRS
2770	043541	394	GFGILLS K EPDGV
2771	043541	414	HPIFVN S PTLDAP
2772	043541	444	VFD FERS GLQHAP
2773	043541	463	GPYDPN S VRISFA
2774	043541	467	PNSVRIS F AKGWG
2775	043541	483	SRQFITS C PCWLE
2776	043548	15	LTDLQSS R NNVRH
2777	043548	84	SLARHH S PSPWIA
2778	043548	86	ARHHSP S PWIawl
2779	043548	99	ETNGAT S TEVSLC
2780	043548	103	ATSTEV S LCAPPT
2781	043548	123	LKIHIDS F QGSVT
2782	043548	201	LKLLDK S LHFQTD
2783	043548	217	DCALRG S PVYVSR
2784	043548	222	GSPVYV S RVVCAM
2785	043548	231	VCAMIN S NDDNGV
2786	043548	243	VLNGNW S ENYTDG
2787	043548	377	YCCGPAS V RRAIKE
2788	043548	422	LHQDTSS V GNFIS
2789	043548	431	NFISTKS I QSDER
2790	043548	472	ARSFHG S QRGAEL
2791	043548	481	GAELQPS R PTSLIS
2792	043548	490	TSLSQD S PRSLHT
2793	043548	498	RSLHTPS L RPSDV
2794	043548	508	SDVVQVS L KFKLL
2795	043548	533	LLALNM S SQFKDL
2796	043548	534	LALNM S SQFKDLK
2797	043548	544	DLKVNL S AQSLH

2798	043548	556	HDGSPLS PFWQDT
2799	043548	568	TAFITLSPKEAKT
2800	043548	580	TYPCKISYSQYSQ
2801	043548	582	PCKISYSQYSQYL
2802	043548	585	ISYSQYSQYLSTD
2803	043548	589	QYSQYLSTDKLIR
2804	043548	604	ALGEEKSSPEKIL
2805	043548	618	NKIITLSPYSITI
2806	043548	647	IFSNPLSEQVEDC
2807	043548	660	VLTVEGSGLFKKQ
2808	043548	702	IQANMRSNKFKDI
2809	043561	35	CHRLPGSYDSTSS
2810	043561	38	LPGSYDSTSDDSL
2811	043561	40	GSDTSTSDDSLYPR
2812	043561	41	SYDSTSTSDDSLYPR
2813	043561	43	DSTSSDSLYPRGI
2814	043561	69	AYPPVTSYPPLSQ
2815	043561	74	TSYPPLSQPDLLP
2816	043561	84	LLPIPRSPQPLGG
2817	043561	91	PQPLGGSHRTPSS
2818	043561	96	GSHRTPSRRDSD
2819	043561	97	SHRTPSSRRDSDG
2820	043561	101	PSSRRDSDGANSV
2821	043561	106	DSDGANSVASYEN
2822	043561	109	GANSVASYENEGA
2823	043561	116	YENEGASGIRGAQ
2824	043561	131	WGVWGPSWTRLTP
2825	043561	139	TRLTPVSLPPEPA
2826	043561	168	LVVLPDSTPATST
2827	043561	173	DSTPATSTAAPSA
2828	043561	178	TSTAAPSAPALST
2829	043561	183	PSAPALSTPGIRD
2830	043561	190	TPGIRD S AFSMES
2831	043561	193	IRDSA F MESIDD
2832	043561	196	SAFSMESIDDVN
2833	043561	206	YVNVPESGESAEA
2834	043561	209	VPESGESAEASLD
2835	043561	213	GESAEASLDGSRE
2836	043561	217	EASLDGSREYVN
2837	043561	224	REYVNVSQELHPG
2838	043561	240	TEPAALSQEAE
2839	043561	241	EPAALSSQEAEV
2840	043602	8	KTLPLHS H CTEMQ
2841	043602	27	EMLTLGS S FCSLQ
2842	043602	28	MLTLGSSFC S LQ
2843	043602	31	LGSSFC S LQGEFC
2844	043602	42	FCQAMDSFTTVSH
2845	043602	47	DSFTTVSHVGMC
2846	043602	58	CEETDASFNVFSP
2847	043602	63	ASFNVFS P KFQFD
2848	043602	71	KFQFDRSHCQSLR
2849	043602	75	DRSHCQSLRFHQ
2850	043602	96	DERDKTSRNMRGS
2851	043602	102	SRNMRGSRMNGLP
2852	043602	113	LPSPTHSAHCSFY
2853	043602	117	THSAHC S FYRTRT
2854	043602	154	GIVYAVSSDRFRS
2855	043602	173	DLTRSLSDNINLP

2856	043602	209	GESYVCSSDNFFK
2857	043602	210	ESYVCSSDNFFKK
2858	043602	228	NVNPNWSVNVKTS
2859	043602	234	SVNVKTSANMKAP
2860	043602	245	APQSLASSNSAQA
2861	043602	248	SLASSNSAQAREN
2862	043602	268	LVTIIRSJVVKPRK
2863	043602	287	NKKTAHSFEQVLT
2864	043602	360	VMKGNP\$ATAGPK
2865	043602	385	PGPMRRSKSPADS
2866	043602	391	SKSPADSANGTSS
2867	043602	396	DSANGT\$SSQLST
2868	043602	397	SANGTSSSQLSTP
2869	043602	398	ANGTSSSQLSTPK
2870	043602	411	SKQSPI\$TPTSPG
2871	043633	87	ANIQAVS\$LKIQTL
2872	043633	95	KIQTLKSNNNSMAQ
2873	043633	98	TLKSNN\$MAQAMK
2874	043633	160	EEDEEE\$DAVVSQ
2875	043633	165	ESDAVVSQVLDEL
2876	043633	174	LDELGLS\$LTDELS
2877	043633	180	SLTDELSNLPSTG
2878	043633	184	ELSNLPS\$TGGSLS
2879	043633	188	LPSTGG\$LSVAAG
2880	043633	190	STGGSLSVAAGGK
2881	043633	203	KAA\$AASALADAD
2882	043663	11	EVLAEE\$IVCLQK
2883	043663	60	MIAEEES\$LKERLI
2884	043663	68	KERLIK\$ISVCQK
2885	043663	81	ELNTLC\$ELHVEP
2886	043663	144	PHYDIDS\$ASVPSL
2887	043663	146	YDIDSASVPSLEE
2888	043663	169	LRETKASRREEFV
2889	043663	176	RREEFVS\$IKRQII
2890	043663	211	EDAFCLS\$LENIAT
2891	043663	230	QUEMQKS\$QNEAVC
2892	043663	267	ATIMSG\$KAKVRK
2893	043663	311	WDQCFYS\$QEQRQA
2894	043663	329	AEDYTES\$LLQLHD
2895	043663	373	EFERKAS\$DPNRFT
2896	043663	466	TEMLYGS\$APRTPS
2897	043663	500	SNATANS\$IRPIF
2898	043663	516	VYHSPVS\$RLPPSG
2899	043663	521	VSRLPP\$GSKPVA
2900	043663	529	SKPVAAS\$TCGKK
2901	043663	554	NLELNGS\$ILSGGY
2902	043663	557	LNGSILS\$GGYPGS
2903	043663	563	SGGYPGS\$APLQRN
2904	043663	574	RNFSINS\$VASTYS
2905	043663	577	SINSVASTYSEFA
2906	043663	580	SVASTY\$EFAKDP
2907	043663	587	EFAKDPS\$LSDSST
2908	043663	589	AKDPSL\$SDSSTVG
2909	043663	591	DPSLSD\$STVGLQ
2910	043663	601	GLQREL\$KASKSD
2911	043663	604	RELSKAS\$KSDATS
2912	043663	606	LSKASK\$DATSGI
2913	043683	70	NDPRFIS\$YCLKFA

2914	043683	99	GIGTLSSPLYIAW
2915	043683	119	GELQHASAVLQRG
2916	043683	174	LNQMITSKSNPGN
2917	043683	186	NNMACISKNQGSE
2918	043683	199	LSGVISSACDKES
2919	043683	250	RGESEFSFEELRA
2920	043683	314	HEDLPASQERSEV
2921	043683	375	ISAALVSPATSQS
2922	043683	381	SPATSQSIAAPPVP
2923	043683	436	HKVANTSSFHTTP
2924	043683	454	MVQATPSKVQPSP
2925	043683	484	PTLPDISDDKDEW
2926	043683	511	QKNVRSSGAWGVN
2927	043683	525	IISSLSSAFHVFE
2928	043683	557	RTFGERSVSRLPS
2929	043683	563	SVSRLPSKPKEEV
2930	043683	579	EELDDSTVWGIR
2931	043683	596	LAPSPKS PGDFTS
2932	043683	602	SPGDFTSAAQLAS
2933	043683	661	SPIQEKS PKQALS
2934	043683	667	SPKQALS SHMYSA
2935	043683	668	PKQALSSHMYSAS
2936	043683	672	LSSHMY SASLLRL
2937	043683	679	ASLLRLSQPAAGG
2938	043683	727	EWMQMSSLGTVDA
2939	043683	760	LSKPVSSYPNTFE
2940	043683	784	TEFQLGSKLVYVH
2941	043683	844	MERLKPSMQHMFN
2942	043683	854	MFMKFYS AHLFQN
2943	043683	950	LIDLGSIDMRLF
2944	043683	969	TAKCETSGFQCVE
2945	043683	1046	DCHHLPSDLRLLQ
2946	043760	14	AAKAGGSFDLRRF
2947	043760	41	FALIVFSCIYGEG
2948	043760	49	IYGEGBYSNAHESK
2949	043760	54	YSNAHESK QMYCV
2950	043760	72	DACRYGSAIGVLA
2951	043760	82	VLAFLAS AFFLVV
2952	043760	96	AYFPQISNATDRK
2953	043760	112	IGDLLFSALWTFL
2954	043760	144	VLVGADS VRAAIT
2955	043760	152	RAAITFSFFSIFS
2956	043760	155	ITFSFFS IFSWGV
2957	043760	158	SFFSIFS SWGVLAS
2958	043760	164	SWGVLAS LAYQRY
2959	043760	194	PNTAYAS YPGASV
2960	043760	199	ASYPGAS VDNYQQ
2961	043768	43	LKAKYPSLGQKPG
2962	043768	51	GQKPGGS DFLMKR
2963	043768	84	KNKQLPSAGPDKN
2964	043768	108	DLPQRKS SLVTSK
2965	043768	113	KSSLVTS KLAGGQ
2966	043809	9	VVPPNRS QTGWPR
2967	043809	58	PLYEKDSS VAAARF
2968	043809	59	LYEKDSS VAAARFQ
2969	043809	213	GYGPIISSLPQLL
2970	043809	214	YGPIISSLPQLLS
2971	060256	24	GGLVLF SANSNSS

2972	060256	27	VLFSANSNNSCME
2973	060256	29	FSANSNSSCMELS
2974	060256	30	SANSNSSCMELSK
2975	060256	35	SSCMELSKKIAER
2976	060256	66	RVQIQESVRGKD
2977	060256	79	FIIQTVSKDVNTT
2978	060256	99	VYACKTSCAKSII
2979	060256	103	KTSCAKSIIIGVIP
2980	060256	114	IPYFPYSKQCKMR
2981	060256	124	KMRKRGSIIVSKILL
2982	060256	127	KRGSIVSKLLASM
2983	060256	132	VSKLLASMMCKAG
2984	060256	166	VDNLRASPFLQLY
2985	060256	189	AVIVAKSPASAKR
2986	060256	192	VAKSPASAKRAQS
2987	060256	198	SAKRAQSFAERLR
2988	060256	240	VAAIHPSLEIPML
2989	060256	277	IIDDVDSFLAAAE
2990	060256	303	ATHGLLSSDAPRR
2991	060256	304	THGLLSSDAPRI
2992	060256	313	PRRIEESAIDEVV
2993	060256	342	IKTVDISMILSEA
2994	060256	346	DISMILSEAIRRI
2995	060256	357	RIHNGESMSYLFR
2996	060256	359	HNGESMSYLFRNI
2997	060260	9	VFVRFNSSHGFPV
2998	060260	10	FVRFNSSHGFPVE
2999	060260	19	FPVEVDSDTISIFQ
3000	060260	22	EVDSDTISIFQLKE
3001	060260	101	CEREPOSSLTRVDL
3002	060260	108	LTRVDLSSSVLPG
3003	060260	109	TRVDLSSSVLPGD
3004	060260	110	RVDLSSSVLPGDS
3005	060260	116	SVLPGDSVGLAVI
3006	060260	127	VILHTDSRKDSP
3007	060260	131	TDSRKDSPAGSP
3008	060260	136	DSPPAGSPAGRSI
3009	060260	141	GSPAGRSIYNNSFY
3010	060260	145	GRSIYNNSFYVYCK
3011	060260	167	KLRVQCSTCRQAT
3012	060260	181	TLTQGPSCWDDVL
3013	060260	193	LIPNRMSGECQSP
3014	060260	198	MSGECQSPHCPGT
3015	060260	205	PHCPGTSAEFFFK
3016	060260	218	CGAHPTSDKETSV
3017	060260	223	TSDKETSVALHLI
3018	060260	233	HLIATNSRNITCI
3019	060260	246	TCTDVRSPLVFQ
3020	060260	255	LVFQCNSRHVICL
3021	060260	286	DPQLGYSLPCVAG
3022	060260	296	VAGCPNSLIKELH
3023	060260	378	YHEGECSAVFEAS
3024	060260	384	SAVFEASGTTTQA
3025	060260	407	ARWEAAASKETIKK
3026	060285	85	RVVAIKSIRKDKI
3027	060285	109	EIEIMSSLNHPHI
3028	060285	164	FFRQIVSAVHYCH
3029	060285	215	LQTFCGSPLYASP

3030	060285	236	RGPEVDSWALGVL
3031	060285	267	LIRQISSGEYREP
3032	060285	277	REPTQPSDARGLI
3033	060285	313	NWGYKSSVCDCDA
3034	060285	323	CDALHDSESPLLA
3035	060285	325	ALHDSESPLLARI
3036	060285	367	MLERQRSLKKSKK
3037	060285	371	QRSLKKSKKENDF
3038	060285	388	QDAVPESPSKLSS
3039	060285	394	SPSKLSSKRPKG
3040	060285	407	LKKRSNSEHRSHS
3041	060285	413	SEHRSHSTGFIEG
3042	060285	476	KTQQRESGYYSSP
3043	060285	499	SNDVMGSSIPSPSP
3044	060285	500	NDVMGSSIPSPSP
3045	060285	503	MGSSIPSPPDP
3046	060285	514	DPARVTSHSLSCR
3047	060285	516	ARVTSHSLSCRK
3048	060285	532	KHSSKYSAAGTMDP
3049	060285	550	EMPTLESLSEPGV
3050	060285	552	PTLESLSEPGVPA
3051	060285	562	VPAEGLSRSYSRP
3052	060285	573	RPSSVISDDSVLS
3053	060285	579	SDDSVLSSDSFDL
3054	060285	582	SVLSSDSDFDLLD
3055	060285	635	RNRLADSSFSLLT
3056	060285	636	NRLADSSFSLLTD
3057	060331	11	VPDEAESAEAGAV
3058	060331	27	AAWAAESGAAAGL
3059	060331	66	HRGVDA\$GETTYK
3060	060331	96	TVGHLS\$KPERDV
3061	060331	117	ESIFFPSEGNSNL
3062	060331	158	PDDYLY\$LCNEPL
3063	060331	168	EPLIELSNPGASG
3064	060331	257	KFDLKGS\$TYKRRA
3065	060331	264	TYKRRASKKEKEK
3066	060331	340	QAQGAQS\$TSDEKR
3067	060331	402	IIDILQS\$YRFI
3068	060331	424	HDGDTVS\$VHRPSF
3069	060331	429	VSVHRPS\$FYAERF
3070	060331	449	VFRKNSS\$LKSSPS
3071	060331	452	KNSSLKS\$SPSKKG
3072	060331	476	GPTAAF\$ASQIPS
3073	060331	482	SASQIPS\$EREAAQ
3074	060331	496	DLRGARS\$YPTLED
3075	060331	529	SIATTLS\$STSLSI
3076	060331	530	IATTLSS\$STSLSIP
3077	060331	534	LSSTSLS\$IPERSP
3078	060331	539	LSIPERS\$PSETSE
3079	060331	544	RSPSET\$SEQPRYR
3080	060331	556	RRRTQSS\$GQDGRP
3081	060331	584	QVEPACS\$VEIVVP
3082	060331	600	DAGVEAS\$PAGASA
3083	060331	605	ASPAGAS\$AAVEVE
3084	060331	614	VEVETAS\$QASDEE
3085	060331	628	APASQAS\$DEEDAP
3086	060331	646	FPTDERS\$WVYSPL
3087	060331	655	YSPLHY\$AQAPPA

3088	060343	23	EPEPGVSAQPGPG
3089	060343	32	PGPGKPSDKRFRL
3090	060343	87	EVLVLSAPFLRC
3091	060343	106	GASGGTSPSATQP
3092	060343	152	QPDDPESQMACHV
3093	060343	172	QVPDVISIIRQLS
3094	060343	292	QPALTSSRVCFPE
3095	060343	333	HEGSQKSQPRRRH
3096	060343	351	HVQPSDSEKNRTM
3097	060343	387	NFKDISSCSQGIK
3098	060343	411	SPEPGLSQYICYV
3099	060343	424	FQCASESLVDEVM
3100	060343	460	EACPMHSLHKLCE
3101	060343	597	SFERSNSLASEKD
3102	060343	600	RSNSLASEKDYSP
3103	060343	617	PGTPPASPPSSAW
3104	060343	648	TFSHPPSTKRKL
3105	060343	649	FSHPPSSTKRKLN
3106	060343	672	SPLLRQSSSEQCS
3107	060343	682	QCSNLSSVRRMYK
3108	060343	741	DTASESSDGEGRK
3109	060343	757	STCSNESLSVGTT
3110	060343	771	VTPRRISWRQRIF
3111	060343	782	IFLRVASPMNKSP
3112	060343	787	ASPMNKSPSAMQQ
3113	060343	1050	YRPDMMSLQIQMY
3114	060343	1059	IQMYQLSRLLHDY
3115	060343	1136	LIMECESFENIVE
3116	060343	1189	QDELQESSYSCED
3117	060343	1192	LQESSYSCEDSET
3118	060343	1196	SYSCEDSETLEKL
3119	060493	26	DAYGPPSNFLEID
3120	060493	34	FLEIDVSNPQTVG
3121	060493	65	IFKLKESTVRERRY
3122	060493	72	TVRRRYSDFEWLR
3123	060493	79	DFEWLRSELERES
3124	060493	85	SELERESKVVVPP
3125	060493	153	DEIIDKSYTPSKI
3126	060566	12	KEGGALSEAMSLE
3127	060566	16	ALSEAMSLEGDEW
3128	060566	39	RQGRIMSTLQGAL
3129	060566	99	GKESNMSTLLERA
3130	060566	117	GEKRYYSDPRFLN
3131	060566	140	EPLDMYSYLHNQG
3132	060566	150	NQGIGVSLAQFYI
3133	060566	201	QFQARVSQTLLLA
3134	060566	225	SSVPQRSTLAELK
3135	060566	283	ENADEASTAELSK
3136	060566	288	ASTAELSPTVQP
3137	060566	318	PWNTGRSLEHRPR
3138	060566	361	PCKIEPSINHILS
3139	060566	389	QSHQQASEEKKEK
3140	060566	484	TKLQIASESQKIP
3141	060566	509	CCARETSLAENIW
3142	060566	537	FDEFLLSEKKNKS
3143	060566	564	LAVLKTSESITSN
3144	060566	569	TSESITSNEDVSP
3145	060566	619	RAARFVSTPFHEI

3146	060566	682	SREATHSSGFSGS
3147	060566	683	REATHSSGFSGSS
3148	060566	697	SVASTSSIKCLQI
3149	060566	720	SENPTQSFWCSQY
3150	060566	733	RRQLLKSLPELSA
3151	060566	740	LPELSASAELCIE
3152	060566	788	WVAPRNSAELTVI
3153	060566	797	LTVIKVSQPVPW
3154	060566	824	DFDHFCSCYQYQD
3155	060566	884	IVHGDLSPRCLIL
3156	060566	946	KILANCSSPYQVD
3157	060602	54	TERLLLSFNYIRT
3158	060602	65	RTVTASSFPFLEQ
3159	060602	104	RILDLGSSKIYFL
3160	060602	153	LTRLDSLKNQIRS
3161	060602	159	SKNQIRSLYLHPS
3162	060602	165	SLYLHPSFGKLNS
3163	060602	199	LQGKTLSSFFSLAA
3164	060602	202	KTLSFFSLAANSL
3165	060602	207	FSLAANSLYSRVS
3166	060602	213	SLYSRVSVDWGKC
3167	060602	234	LEILDVSGNGWTV
3168	060602	247	DITGNFSNAISKS
3169	060602	251	NFSNAISKSQAFS
3170	060602	253	SNAISKSQAFSLI
3171	060602	302	SHGFVFSLNSRVF
3172	060602	344	LQVLNLSSYNLLGE
3173	060602	354	LGELEYSSNFYGLP
3174	060602	411	IPDIFLSSGNKLVT
3175	060602	461	LNQNRFSSCSGDQ
3176	060602	464	NRFSSCSGDQTPS
3177	060602	470	SGDQTPSENPSLE
3178	060602	474	TPSENPSLEQLFL
3179	060602	542	NRLTVLSSHNDLPA
3180	060602	615	YCVYPDSFSGVSL
3181	060602	617	VYPDSFSGVSLFS
3182	060602	620	DSFSGVSLFSLST
3183	060602	623	SGVSLFSLSTEGLC
3184	060602	700	DAYLCFSKDFTW
3185	060602	720	HLDTQYSQDNRFN
3186	060602	785	CLSDLNSALIMVV
3187	060602	796	VVVGSLSQYQLMK
3188	060610	22	DKKKGRSPDELPS
3189	060610	74	HRNSSASYGDDPT
3190	060610	88	QSLQDVSDEQVLV
3191	060610	144	QKESSKSAMMYIQ
3192	060610	171	LESLRVSINNNPV
3193	060610	178	LNNNPVSWQTFG
3194	060610	190	GAEGLASLLDILK
3195	060610	373	EQGEEDSYDLKGR
3196	060610	404	LNTVKDSKAEPHF
3197	060610	439	LIEECISQIVLHK
3198	060610	507	EMKKMESDFEQKL
3199	060610	564	AKKEMASLSAAAI
3200	060610	566	KEMASLSAAAITV
3201	060610	578	VPPSVPSRAPVPP
3202	060610	629	GGVCISSPPSLPG
3203	060610	646	SPPPPLSGDATIP

3204	060610	665	EGVGIPS P SSLPG
3205	060610	668	GIPSP S LPGGTA
3206	060610	697	PPPLPG S AGIPPP
3207	060610	785	LRRPNWS K LVAED
3208	060610	793	LVAED L SQDCFWT
3209	060610	861	KTAQNLS I FLGSF
3210	060610	866	LSIFLGS F RMPYQ
3211	060610	889	EAVLTE S MIQNLI
3212	060610	908	EQLKMLS E LKDEY
3213	060610	947	LFKLQF S EQVENI
3214	060610	1002	AFGFNIS F LCKLR
3215	060610	1012	KLRDTKS T DQKMT
3216	060610	1048	AHVEKAS R VSAEN
3217	060610	1067	QMKKQ I S DVERDV
3218	060610	1201	ETGVMD S LLEALQ
3219	060610	1231	AGCAVT S LLASEL
3220	060610	1235	VTSLL A SELTKDD
3221	060658	10	APSIH I SERLVAE
3222	060658	27	PAAPPL S GGPRL
3223	060658	28	AAPPL S GGPRLP
3224	060658	59	SELRD G S GKKVAV
3225	060658	146	AEALCRS I RSSKL
3226	060658	149	LCRSIR S KLSEN
3227	060658	153	IRSSKL S ENTVIV
3228	060658	177	SVMPFI S AGFTRR
3229	060658	216	KLRACNS V FTALE
3230	060658	232	DAIEIT S EDRFIQ
3231	060658	278	LLDTIN S CIRIGK
3232	060658	336	NKAEK I SECVQSD
3233	060658	341	ISECV Q S DTHTDN
3234	060658	367	DVKAV A S RATEVS
3235	060658	374	RATEV S S QRRHSS
3236	060658	379	SSQRR H S SMARIH
3237	060658	380	SQRRH S SMARIHS
3238	060658	386	SMARIH S M TIEAP
3239	060658	407	NAAQE S PMPVTE
3240	060658	450	LVGGLMS D GLRRL
3241	060658	472	KNTQM V S SNIITP
3242	060658	473	NTQM V S SNIITPI
3243	060658	480	NIITPI S LDDVPP
3244	060658	536	FLHCSE S TLRSWL
3245	060658	551	IEANY H S SNPYHN
3246	060658	558	SNPYHN S THSADV
3247	060658	613	FLCNAG S E LAILY
3248	060658	683	VNKFV N S INKPLA
3249	060658	745	EWAARI S E EYFSQ
3250	060658	750	I SEEY F S QT DEEK
3251	060658	773	FDRNT C S IPKSQI
3252	060674	15	TEMEGT T STSS IYQ
3253	060674	17	MEGTST S SIYQNG
3254	060674	18	EGTST S SIYQNGD
3255	060674	72	EICIAAS K ACGIT
3256	060674	107	VFHIDE S TRHNVL
3257	060674	126	FPRWYC S GSNRAY
3258	060674	151	LDDFVMS Y LFAQW
3259	060674	203	PLAIYN S ISYKTF
3260	060674	241	RFIQQF S QCKATA
3261	060674	280	EPGSGPS G EEIFA

3262	060674	299	NGGIQWSRGKHKE
3263	060674	306	RGKHKESETLTEQ
3264	060674	336	QANQEGRNESRVRV
3265	060674	364	SLREALSFVSLID
3266	060674	398	VLENIQSNCNCHGPI
3267	060674	411	SMDFAISKLKKAG
3268	060674	428	LYVLRCSPKDFNK
3269	060674	488	QMETVRSNDNIIIFQ
3270	060674	550	DLIFNESLGQGTF
3271	060674	593	HRNYSESFFEAAS
3272	060674	599	SFFEAASMMSKLS
3273	060674	605	SMMSKLSHKHLVL
3274	060674	698	PPFIKLSDPGISO
3275	060674	748	TLWEICSGGDKPL
3276	060674	755	GGDKPLSALDSQR
3277	060674	797	EPDFRPSFRAIIR
3278	060674	833	IGALGFSGAFEDR
3279	060674	1016	VKEPGESPIFWYA
3280	060674	1029	PESLTESKFVAS
3281	060674	1035	SKFSVASDVWSFG
3282	060674	1039	VASDVWSFGVVLY
3283	060674	1056	YIEKSKSPPAEFM
3284	060674	1115	NVNQRPSFRDLAL
3285	060678	59	CNRLFTSAEETFS
3286	060678	65	SAEETFSHCKSEH
3287	060678	108	TVEYMNSIYNPVP
3288	060678	143	DLYEPVSVPFSYP
3289	060678	153	SYPNGLSENTSVV
3290	060678	171	MEARALSAAALA
3291	060678	203	TDVRTCSSTSIVI
3292	060678	204	DVRTCSSSTSIVIA
3293	060678	205	VRTCSSSTSIVIAD
3294	060678	207	TCSSSTSIVIADLQ
3295	060678	223	DGVYFSSYGHYGI
3296	060678	242	DKIRTESYRDFIY
3297	060678	270	CGTGILSMFAAKA
3298	060678	287	VLGVDQSEILYQA
3299	060678	328	KVDVIISEWMGYF
3300	060678	339	YFLLFESMLDSVL
3301	060678	343	FESMLDSVLYAKN
3302	060678	357	YLAKGGSVYPDIC
3303	060678	366	PDICTISLVAVSD
3304	060678	371	ISLVAWSDVNKHA
3305	060678	392	VYGFKMSCMKKAV
3306	060678	414	DPKTLISEPCGIK
3307	060678	428	IDCHTTSIDLEF
3308	060678	435	ISDLEFSSDFTLK
3309	060678	436	SDLEFSSDFTLKI
3310	060678	446	LKITRTSMCTAIA
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3312	060678	475	FSTGPQSTKTHWK
3313	060678	492	LLEKPFVKAGEA
3314	060678	508	KVTVHKSKKDPRS
3315	060678	514	SKKDPRSLTVTILT
3316	060711	14	LEELERSTLQDSD
3317	060711	19	RSTLQDSDEYSNP
3318	060711	23	QDSDEYSNPAPLP
3319	060711	34	LPLDQHSRKETNL

3320	060711	44	TNLDET S EILSIQ
3321	060711	48	ETSEILS I QDNTS
3322	060711	54	SIQDNTS P LPAQL
3323	060711	73	QELNVY S EAQEPK
3324	060711	81	AQEPKES P PPSKT
3325	060711	85	KESPPPSKTSAAA
3326	060711	88	PPPSKTSAAAQLD
3327	060711	127	KQDHKA S LDSMLG
3328	060711	130	HKASLDSMLGGLE
3329	060711	154	PKGHCAS C QKPIA
3330	060711	170	IHALGQS W HPEHF
3331	060711	187	CKEEIG S SPFFER
3332	060711	188	KEEIG S SPFFERS
3333	060711	194	SPFFERS G LAYCP
3334	060711	208	DYHQLFS P RCAYC
3335	060711	238	PEHFFCS H CGEVF
3336	060711	267	DFLAMFS P KCGGC
3337	060711	283	VLENYL S AMDTVW
3338	060711	302	CGDCFTS F STGSF
3339	060711	304	DCFTSF S TGSFFE
3340	060711	307	TSFSTGS F FELDG
3341	060711	342	ITGRCIS A MGYKF
3342	060711	363	FCLTQLS K GIFRE
3343	060716	8	DDSEVES T ASILA
3344	060716	11	EVESTAS I LASKV
3345	060716	15	TASILAS V KEQEA
3346	060716	97	HSHLLYS T IPRMQ
3347	060716	122	DPEGAMS V VSVET
3348	060716	168	GLPVDA S VSNNY
3349	060716	169	LPVDASS V SNNYI
3350	060716	171	VDASSVS N NYIQT
3351	060716	312	RRTGTPS D PRRRL
3352	060716	384	RLDAVKS N AAAYL
3353	060716	436	GALKNIS F GRDQD
3354	060716	480	GTLWNLS S HDSIK
3355	060716	481	TLWNLSS H DSIKM
3356	060716	506	EVIIPH S GWEP
3357	060716	525	RHIEWES V LTNTA
3358	060716	538	GCLRNV S SERSEA
3359	060716	573	GQKDSD S KLVENC
3360	060716	587	CLLRNL S YQVHRE
3361	060716	630	GKDEWF S RGKKPI
3362	060716	670	VVRIYIS L KESK
3363	060716	675	ISLLKES T PAIL
3364	060716	704	YGRYIRS A LQEK
3365	060716	713	RQEKALS A IAIDL
3366	060716	731	RVVKAAS G ALRNL
3367	060716	767	GGQQN S WNFSED
3368	060716	771	NSSWNF S EDTVIS
3369	060716	777	SEDTV S ILNTIN
3370	060716	815	NKSGNR S EKEVRA
3371	060716	862	ASRSQSS H SYDDS
3372	060716	891	REEIQMS N MGSNT
3373	060716	905	SLDNYY S TPNERG
3374	060763	12	GVMGGQS A GQHT
3375	060763	33	CDRVASS T LDDR
3376	060763	48	AVRALKS L SKKYR
3377	060763	74	VLQTD R SDSEIIG

3378	060763	76	QTDRSD S EIIIGYA
3379	060763	106	ENSTRQ S EDLGSQ
3380	060763	111	QSEDLG S QFTEIF
3381	060763	148	GVKLLT S LLKQLG
3382	060763	196	LQALTR S NGAIQK
3383	060763	245	LLKNNNSNQNFFK
3384	060763	270	EVGDENS G WSAQK
3385	060763	301	NPPGAT S SCQKAM
3386	060763	405	GQGEIV S TLLPST
3387	060763	436	FSTDLS S NWCAAV
3388	060763	466	RVQLATS I GNPPV
3389	060763	483	QCTNILS Q GSKIQ
3390	060763	516	THFLHNS A NVPFL
3391	060763	548	ALLLG I S I YFNDN
3392	060763	585	EKLGF I S KHELYS
3393	060763	603	PQPFP S PEYMI
3394	060763	631	TKAIYK S SEEDKK
3395	060763	719	QHQGSY S EGAQM
3396	060763	758	QLTEKD S MIENMK
3397	060763	765	MIENMK S SQTS
3398	060763	776	GTNEQSSAIVSAR
3399	060763	803	LKSQLN S QSVEIT
3400	060763	868	NEIKAL S EERTAI
3401	060763	880	IKEQLD S SNSTIA
3402	060763	883	QLDSSN S TIAILQ
3403	060763	902	ELEITD S KKEQDD
3404	060763	922	QDQKIL S LKNKLK
3405	060832	21	KKKERK S LPEEDV
3406	060832	42	FLIKP E S V AKLD
3407	060832	50	VAKLDT S QWPLL
3408	060832	76	TPLACGS N PLKRE
3409	060832	98	INLDKP S NPSSHE
3410	060832	101	DKPSNP S SHEVVA
3411	060832	102	KPSNP S SHEVVAW
3412	060832	121	VEKTGH S GTLDPK
3413	060832	145	ATRLV K SQQSAGK
3414	060832	148	LVKSQQ S AGKEYV
3415	060832	170	EGGTQL S RALET
3416	060832	202	VRTIYES K MIEYD
3417	060832	219	LGIFW V S C EAGTY
3418	060832	251	ELRRVR S GVMSEK
3419	060832	255	VRSGVM S EKDHMV
3420	060832	280	DNHKDE S YLRRVV
3421	060832	295	LEKLLT S HKRLVM
3422	060832	304	RLVMKD S AVNAIC
3423	060832	356	MTTAVI S TCDHGI
3424	060832	387	GLGPKA S QKKLMI
3425	060832	407	HGKPTD S TPATWK
3426	060832	420	QEYVDY S ESAKKE
3427	060832	422	YVDY S ESAKKEVV
3428	060832	451	AKRKRE S SES
3429	060832	453	RESE S ESDET
3430	060832	455	RESE S ESDET
3431	060832	473	KKEKK K KKDKKA
3432	060832	485	AKAGL E S G AEPGD
3433	060832	494	EPGDG D DTTKKK
3434	060841	12	KNKSED S TKDDID
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3436	060841	66	KELEELSLEAQGI
3437	060841	93	NEEEFTSKDKKKK
3438	060841	121	ELEDKDSKSKKTA
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3440	060841	157	KGKAQKS N KWDG
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3443	060841	337	EKKKGPSKATVKA
3444	060841	411	GKLLTKS Q REARA
3445	060841	460	IPQQLES K EVSES
3446	060841	464	LESKEV S ESMELC
3447	060841	466	SKEV S MELCAA
3448	060841	557	EEE E SEGSEGD
3449	060841	575	VSDEKD S GKTL D
3450	060841	584	TLDKKP S KEMSSD
3451	060841	708	DTPGHESFSNLRN
3452	060841	717	NLRNRGS S LCDIA
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3456	060841	847	LTQTMLS K RLAHC
3457	060841	990	QASTLGS S LEALLE
3458	060841	1001	LEFLKT S EVPYAG
3459	060841	1022	KDVMKAS V MLEHD
3460	060841	1058	LGVRIF S AEIIYH
3461	060841	1104	PQYIF N SRDPIVM
3462	060841	1129	TPMCVPS K NFVDI
3463	060841	1140	DIGIVTS I EINHK
3464	060841	1187	ILVSKIS R QSIDA
3465	060869	24	TAQQAKS K QAILA
3466	060869	41	GEDVET S KKWAAG
3467	060869	53	GQNQH S ITKNTA
3468	060869	87	IQQGRQS K GLTQK
3469	060869	111	VIADYESGRAIPN
3470	060870	18	IANRIKS K GLQKL
3471	060870	47	FKCHCM S ESHQRQ
3472	060870	49	CHCM S HQRQ L
3473	060870	58	RQLLLAS E NPQQF
3474	060870	69	QFMDYF S EEFRND
3475	060870	100	VYNEYI S HREHIH
3476	060870	195	PTFT E LSRENDEE
3477	060870	208	KVT FNL S K GACSS
3478	060870	213	LSKGAC S SSGATS
3479	060870	214	SKGAC S SGATSS
3480	060870	215	KGAC S SGATSSK
3481	060870	219	SSSGAT S SKSSTL
3482	060870	220	SSGAT S SKSSTL G
3483	060870	222	GATSSK S STLGPS
3484	060870	223	ATSSK S STLGPSA
3485	060870	228	SSTLGPSALKTIG
3486	060870	235	ALKTIG S SASVKR
3487	060870	236	LKTIG S SASVKRK
3488	060870	238	TIGSSA S VKRKES
3489	060870	244	SVKRKE S SQSSTQ
3490	060870	245	VKRKE S QSSTQS
3491	060870	247	RKESSQ S STQSKE
3492	060870	248	KESSQ S TQSKEK
3493	060870	251	SQSSTQ S KEKKKK

3494	060870	259	EKKKKKSALDEIM
3495	060870	321	VVKMIDS GDKLKL
3496	060870	359	NEGTL ESINEKTF
3497	060870	366	INEKTFSATIVIE
3498	060885	325	GQRRESSRPVKPP
3499	060885	347	HPAPEKS SKVSEQ
3500	060885	358	EQLKCCS GILKEM
3501	060885	427	DVRLMF SNCYKYN
3502	060885	489	PSSSDSS SDSSSD
3503	060885	490	SSSDSSS DSSSDS
3504	060885	563	VEENKK SKAKEPP
3505	060885	579	TKKNNS SNSNVSK
3506	060885	581	KNNSSNS NVSKKE
3507	060885	593	EPAPMK SKPPPTY
3508	060885	643	IQSREPS LKNSNP
3509	060885	662	FETLKPS TLRELE
3510	060885	673	LERYVT SCLRKKR
3511	060885	692	VDVIAGS SKMKGF
3512	060885	703	GFSSSE SESSES
3513	060885	711	SSSESSS SDSEDS
3514	060885	858	NQHAVVS PPALHN
3515	060885	871	ALPQQPS RPSNRA
3516	060885	952	PSVKVQS QPPPPL
3517	060885	965	PPPHPS VQQQLQ
3518	060885	1045	VIQHHHS PRHHKS
3519	060885	1051	SPRHHK SKDPYSTG
3520	060885	1055	HKSDPY STGHLRE
3521	060885	1070	SPLMIHS PQMSQF
3522	060885	1122	HSPIIIR SEPFSPS
3523	060885	1126	IRSEPF SPSLRPE
3524	060885	1139	PPKHPES IKAPVH
3525	060885	1204	NMGSWAS LVQKHP
3526	060885	1219	PSSTAK SSSDSE
3527	060885	1223	AKSSSDS FEQFRR
3528	060885	1314	ATPQAQS SQPQSM
3529	060928	14	VIAPLLS QRYRRM
3530	060928	27	VTKDGHS TLQMDG
3531	060928	61	WMMLVFS ASFVVH
3532	060928	63	MLVFSAS FVVH WL
3533	060928	105	CVKYITS FTAAFS
3534	060928	111	SFTAAFS FSLETQ
3535	060928	113	TAAFSF S LETQLT
3536	060928	128	YGTMFPS GDCPSA
3537	060928	133	PSGDCPS A I ALLA
3538	060928	169	PKNRAFS IRFTDT
3539	060928	197	VANTRPS PLTSVR
3540	060928	205	LTSVRVS A VLYQE
3541	060928	221	GKLYQT S VDFHLD
3542	060928	230	FHLDGI SS DECPF
3543	060928	231	HLDGI SS DECPFF
3544	060928	246	PLTYYHS IT PSSP
3545	060928	250	YHSITPSS SPLATL
3546	060928	251	HSITPSS PLATLL
3547	060928	263	LQHENP SHFELVV
3548	060928	272	ELVVFLS AMQEGT
3549	060928	291	RTSYLPSE IMLHH
3550	060928	301	LHHCFAS LLTRGS
3551	060928	307	SLLTRGS KGEYQI

3552	060928	331	FPTPLVSKSPNRT
3553	060928	333	TPLVSKSPNRTDL
3554	060928	347	IHINGQSIDNFQI
3555	060934	53	VLTANFSVTNLSQ
3556	060934	88	KMQNGFSRTLKSG
3557	060934	93	FSRTLKSVDGIFT
3558	060934	118	PLVACSSC LDVSG
3559	060934	195	QPPQIESFYPPLD
3560	060934	204	PPLDEPSIGSKNV
3561	060934	207	DEPSIGSKNVDLS
3562	060934	330	DPQGHPSSTGLKTT
3563	060934	347	SLSQGVSVDEKLM
3564	060934	387	PKEIKVSKMEQKF
3565	060934	415	TSSNNNSMVSNTL
3566	060934	418	NNNSMVSNTLAKM
3567	060934	438	SPTKLPSINKSKD
3568	060934	454	QQQQTNSIRNYFQ
3569	060934	462	RNYFQPSTKKRER
3570	060934	477	ENQEMSSCKSARI
3571	060934	486	SARIETSCSLLEQ
3572	060934	488	RIETSCSLLEQTQ
3573	060934	518	EPVDTNSDNNLFT
3574	060934	530	TDTDLKSIVKNSA
3575	060934	535	KSIVKNSASKSHA
3576	060934	547	AAEKLRSNKKREM
3577	060934	604	ETNDTFSDEAVPE
3578	060934	611	DEAVPES SKISQE
3579	060934	612	EAVPES SKISQEN
3580	060934	630	RELKEDSLWSAKE
3581	060934	661	LLTEFRSLVIKNS
3582	060934	667	SLVIKNSTSRNPS
3583	060934	669	VIKNSTS RNPSGI
3584	060934	673	STSRNPS GINDDY
3585	060934	706	PHIIGGS DLIAHH
3586	075030	34	KSQPLKS SSSAEH
3587	075030	44	AEPGAS KPPISS
3588	075030	50	SKPPISS SSMTSR
3589	075030	51	KPPISS SMTSRI
3590	075030	93	QQRVPV SQT PAIN
3591	075030	101	TPAINV SVPTTL P
3592	075030	108	VPTTLPSATQVPM
3593	075030	144	QVKQYL STTLANK
3594	075030	157	HANQVL SLPCPNQ
3595	075030	175	MPPVPGS SAPNSP
3596	075030	189	AMLTLS NCEKEG
3597	075030	207	EQNRAE SEC PGMN
3598	075030	216	PGMNTHS RASC MQ
3599	075030	219	NTHSRAS CMQM DD
3600	075030	232	VIDDIIS LESS YN
3601	075030	235	DIISLES SYNEEI
3602	075030	236	IISLESS YNEEIL
3603	075030	258	ANTLPV SGNLIDL
3604	075030	278	PPGLTI SNSCPAN
3605	075030	280	GLTISNS CPANLP
3606	075030	341	GTLIPK SNDPDMR
3607	075030	357	GTILKAS VDYIRK
3608	075030	409	GLSLIP STGLCSP
3609	075030	432	PVLENCS QDLLQH

3610	075030	472	EANQAYSVPTKMG
3611	075030	479	VPTKMGSKLEDIL
3612	075030	501	VTDPILLSVSPGA
3613	075030	504	PLLSSVSPGASKT
3614	075030	508	SVSPGASKTSSRR
3615	075030	511	PGASKTSRRSSM
3616	075030	512	GASKTSSRRSSMS
3617	075044	64	EIEMDYSRNLEKL
3618	075044	80	FLAKTRS TKDQQF
3619	075044	162	VLNELY SVMKTYH
3620	075044	176	YNADSI SAQSKLK
3621	075044	179	DSISAQSKLKEAE
3622	075044	223	EKHVRSSVKKIE
3623	075044	224	KHVRRSSVKKIEK
3624	075044	273	YYIHDLSDLIDQC
3625	075044	287	DLGYHAS LNRALR
3626	075044	305	ELNLEQS KHEGLD
3627	075044	378	QLQSRLS STLKIEN
3628	075044	427	SVKSTVSETFM SK
3629	075044	435	TFMSKPS IAKRRA
3630	075044	492	CSLARRS STVRKQ
3631	075044	510	IPLVVES CIRFIS
3632	075044	531	IFRVSGS QVEVND
3633	075044	630	NHLSQFSEENMMD
3634	075044	650	FGPSLMS VPEGHD
3635	075044	659	EGHDQVS CQAHVN
3636	075044	681	HENIFPS PRELEG
3637	075044	695	VYSRGGS MEDYCD
3638	075044	754	SFKKGAS LLLYQR
3639	075044	843	QRKRPE GSIRKT
3640	075044	859	DSHGLSS SLTDSS
3641	075044	872	SPGVGAS CRPSSQ
3642	075044	876	GASCRPS SQPIMS
3643	075044	909	SISRHS S LKNRLD
3644	075044	916	LKNRLDS PQIRKT
3645	075044	928	TATAGRS KSFNNH
3646	075044	964	RELERQS SVKHTP
3647	075044	983	LEPLKTS PVVAPT
3648	075044	1013	AFQRSAS TAGDIA
3649	075044	1027	AFRPVKS VKMAAP
3650	075056	52	GAQRWRSEN FERP
3651	075056	64	PVDLEGS GDDDSF
3652	075056	69	GSGDDDS FP DDEL
3653	075056	80	ELDDLYS GSGSGY
3654	075056	82	DDLYSGS GSGYFE
3655	075056	84	LYSGSGS GYFEQE
3656	075056	91	GYFEQES GIETAM
3657	075056	100	ETAMRFS PDVALA
3658	075056	108	DVALAVS TTPAVL
3659	075056	131	PFEELPS ERPTLE
3660	075056	141	TLEPAT S PLVVTE
3661	075056	153	EVPEEPS QRATT
3662	075056	160	QRATTV S TTMATT
3663	075056	170	ATTAAT S TGDP
3664	075056	189	VATATPS TPAAPP
3665	075056	231	TTPEAPS PPTTAA
3666	075056	250	PTPRLVSTATSRP
3667	075056	254	LVSTATS RPRALP

3668	075056	274	PDI PERS TLPLGT
3669	075056	310	EPEVPVSSGGPSGD
3670	075056	314	PVSGGPSGDFELP
3671	075056	344	GAAAKASSPPGTL
3672	075056	345	AAAKASSPPGTLP
3673	075056	367	LDNAIDS GSSAAQ
3674	075056	369	NAIDSGS SAAQLP
3675	075056	370	AIDSGSS AAQLPQ
3676	075056	378	AQLPQKS ILERKE
3677	075056	418	KKKDEGS YTLEEP
3678	075056	428	EEPQAS VTYQKP
3679	075116	124	YAMKLLSKFEMIK
3680	075116	132	FEMIKRS DSAFFW
3681	075116	134	MIKRSDS AFFWEE
3682	075116	279	RECDWWSS VGVFLY
3683	075116	304	SLVGTYS KIMDHK
3684	075116	312	IMDHKNSS LCFPED
3685	075116	423	RENLLLS DSPSCR
3686	075116	425	NLLLSDS PSCRET
3687	075116	427	LLSDSPS CRETDS
3688	075116	433	SCRETDS IQSRKN
3689	075116	436	ETDSIQS RKNEES
3690	075116	457	TLEEHLSS NEMQAK
3691	075116	472	LEQKCKSVNTRLE
3692	075116	493	EITLRKS VESALR
3693	075116	496	LRKSVE SALRQLE
3694	075116	535	LENDVNS LKDQLE
3695	075116	553	NQNSQI STEKVNQ
3696	075116	588	RKTQAESS KQIQQ
3697	075116	629	LQSALESERRDRT
3698	075116	638	RDRTHGSE IINDL
3699	075116	700	LKVIQQS LEQEEA
3700	075116	724	KNKIYES IEEAKS
3701	075116	730	SIEEAKS SEAMKEM
3702	075116	762	EAEKRCSS LLDCDL
3703	075116	823	VNTLKMSE KQLKQ
3704	075116	924	TLTKADSE QLARS
3705	075116	1072	LHMELKS EREKLT
3706	075116	1099	AQIAEES QIRIEL
3707	075116	1111	LQMTLDS KDS DIE
3708	075116	1158	RLEGWLSS LPVRNN
3709	075116	1187	KILFYDSE QDKEQ
3710	075116	1238	YANEGES KKEQEF
3711	075116	1362	DPFARSS PRTSMK
3712	075143	41	EKICTRS SSSPTG
3713	075143	42	KICTRSS SSPTGS
3714	075143	44	CTRSSSS PTGSDW
3715	075143	89	EISLKTSE GDMS
3716	075143	114	DKEIKVSY TVYNR
3717	075143	122	TVYNRLS LLLKSL
3718	075143	127	LSLLLKS LLAITR
3719	075143	141	TPAYRLS RKQGHE
3720	075143	162	FGEVQLS GLGEGF
3721	075143	224	RPYPSSS PMHPCN
3722	075143	244	TGVIYPS VEDSQE
3723	075143	259	TTSFSTS PPSQLS
3724	075143	262	FSTSPPSQLSSSR
3725	075143	265	SPPSQLSS RLSY

3726	075143	266	PPSQLSSRRLSYQ
3727	075143	267	PSQLSSSRRLSYQP
3728	075143	270	LSSSRLSYQPAAL
3729	075143	344	HCAATPSSSEDTE
3730	075143	346	AATPSSSEDTEV
3731	075143	353	EDTETVSNSSEGR
3732	075143	389	NQVTLTSLDIPFA
3733	075143	416	MVNPPDSPETESP
3734	075143	421	DSPETESPLQGSL
3735	075143	426	ESPLQGSLHSDGS
3736	075143	432	SLHSDGSGGSSG
3737	075143	436	DGSSGGSGNTHD
3738	075143	437	GSSGGSGNTHDD
3739	075143	477	QNPPQLSSLISIDI
3740	075143	480	PQLSSLSDIDGAQ
3741	075143	487	IDIGAQSMaedLD
3742	075143	494	MAEDLDSLPEKLA
3743	075151	33	KDWFHGSCVGVEE
3744	075151	86	KPVQNGSQLFIKE
3745	075151	95	FIKELRSRTFPSA
3746	075151	147	APTFYVSDVENYV
3747	075151	198	VTNLEFS DTRMSS
3748	075151	204	SDTRMSSFVEPPD
3749	075151	275	YLIRPASANISLY
3750	075151	279	PASANISLYERWR
3751	075151	286	LYERWRSASNHSE
3752	075151	359	RRLKLGSLTQFPN
3753	075151	387	FKGSHKSGKQLPP
3754	075151	408	LNGAFRSWTKKQA
3755	075151	459	VNTVASSDEVCVG
3756	075151	534	KKKGKKRESASP
3757	075151	597	IREQTKSKSEAKW
3758	075151	599	EQTKSKEAKWKY
3759	075151	608	KWKYKNSKPDSLL
3760	075151	625	EQKLEKSPLAGNK
3761	075151	638	DNKFSFSFSNKLL
3762	075151	640	KFSFSFSNKLLG
3763	075151	647	NKKLLGSKALRPP
3764	075151	655	ALRPPTS PGVFGA
3765	075151	733	AYKSDDSDEGSL
3766	075151	757	ARVKKESGSSAAG
3767	075151	873	DACFKDS DYVYPS
3768	075151	891	DNPIFKRSKCRK
3769	075151	942	AAAALKSQQEEQK
3770	075151	985	TSTTPASTTPAST
3771	075151	1004	TASSQASQEGSSP
3772	075151	1041	AQAGRTSQPMAPG
3773	075151	1059	RRPSASSPNNNTA
3774	075154	8	ASAPPASPPGSEP
3775	075154	12	PASPPGSEPPGPD
3776	075154	52	GGPDQSPGLDEP
3777	075154	88	PRDPGSPAPPERS
3778	075154	112	PGPGPRSEAPLPE
3779	075154	124	ELDPLFSWTEEPE
3780	075154	136	EECGPASCPEPESAP
3781	075154	140	PASCPEPESAPFRLQ
3782	075154	148	PFRLQGSSSSHRA
3783	075154	162	GEVDVFS PFPAPT

3784	075154	249	TKYLDPSGLGVIS
3785	075154	255	SGLGVISFEDFYQ
3786	075154	315	AYMGSESTYSECE
3787	075154	329	FTDEDTSVLVHPE
3788	075154	344	PEGDADSAGGSBV
3789	075154	379	PHPHGQSIVTIVIG
3790	075154	397	EDYGESEAELSP
3791	075154	422	PAFLTPSPTKRLS
3792	075154	429	PTKRLSSKKVARY
3793	075154	439	ARYLHQSGALTME
3794	075154	451	EALEDPSPELMEG
3795	075154	560	ENSELRSCTPCLK
3796	075154	591	SLTLRLSEEQENK
3797	075154	646	EQRRGRSSSMGLQ
3798	075154	661	HSRARESELEQEV
3799	075154	698	SIQGAKSLFSTAF
3800	075154	701	GAKSLFSTAFSES
3801	075154	705	LFSTAFSES LAAE
3802	075154	713	SLAAEI SVSRDE
3803	075154	714	LAAEISS VSRDEL
3804	075154	716	AEISSV SRDELME
3805	075155	10	AAFHISS LLEKMT
3806	075155	18	LEKMTSSDKDFRF
3807	075155	28	FRFMATS DLMSEL
3808	075155	32	ATSDLMSELQKDS
3809	075155	97	LCTNMRS DKEQLR
3810	075155	115	GLKTVL SELPPAA
3811	075155	140	ITGQLTSAIAQQE
3812	075155	185	CLLPQLSSPRILAV
3813	075155	207	HLAAACSTDLFVE
3814	075155	302	HVPNVTSLCLQYI
3815	075155	364	CIAALISSRP DLL
3816	075155	480	HMPVLVSGIIFSL
3817	075155	485	VSGIIFSLADR SS
3818	075155	491	SLADR SS STIR MD
3819	075155	492	LADR SS STIR MD
3820	075155	571	PYVGEMS AVTLAR
3821	075155	640	LTLVAVSPLQLDL
3822	075155	659	ALHILASFLRKNQ
3823	075155	682	LDALAQS QGLSLP
3824	075155	746	LLRLLRSPLL PAG
3825	075155	779	DYAKLISLLTAPV
3826	075155	812	RCVAALS AACPQE
3827	075155	836	ARSPHSS TGVKVL
3828	075155	846	KVLAFLS LAEVGQ
3829	075155	917	QYLLLHS LREALG
3830	075155	929	GAAQPDSLKP YAE
3831	075155	969	LVLVNPS FILLPRL
3832	075155	1037	T LAFFNS AVHNKP
3833	075155	1100	MYSLLES CLGQLD
3834	075155	1197	IPEVGKSPIMADF
3835	075155	1204	PIMADFSSQIRSN
3836	075155	1209	FSSQIRSNPELAA
3837	075155	1226	IQKDSASAPSTD S
3838	075179	49	SRARSAS SPRGMV
3839	075179	89	PSSSESS SDSDNS
3840	075179	112	GGGGGT SNNSEE
3841	075179	151	PMLETASKLLSG

3842	075179	209	RLTSSVSCALDEA
3843	075179	237	GQSDNRSLAEACS
3844	075179	276	LLCLACSAAGYYEL
3845	075179	1062	TPSPIIPSAMLP
3846	075179	1146	ADIEAQSERTKDT
3847	075179	1182	KEHRNVSDYTPLS
3848	075179	1472	EKLREESRRLALA
3849	075179	1606	NGESKSSSTSESG
3850	075179	1607	GESKSSSTSESGD
3851	075179	1629	SDESSNSNSSRK
3852	075179	1731	RRSKKVSVPSTVI
3853	075179	1738	VPSTVISRVIGRG
3854	075179	1811	PKNRLKSSANSK
3855	075179	1940	PARATNSPKPHMV
3856	075179	1950	HMVPRHSNQNSSG
3857	075179	1957	NQNSSGSQVNSAG
3858	075179	2041	KEHYPVSSPSSPS
3859	075179	2056	AQPGGVSRNSPLD
3860	075179	2073	SPNKVASSEQEA
3861	075179	2103	SSGGSSSAHSNQQ
3862	075179	2126	RPPLQQSQVPPPE
3863	075179	2204	SSVAVLSVNHIKR
3864	075179	2303	LHQSDTSKAPGFR
3865	075179	2347	NFASNISGGQMYG
3866	075179	2405	APSPAPSVPPLGS
3867	075179	2411	SSVPLGSEKPSNV
3868	075179	2444	TGTAPSIVGSNL
3869	075348	23	RAAEKVSEARKRK
3870	075348	65	EAAALGSRGSCST
3871	075348	68	ALGSRGSCSTEVE
3872	075348	70	GSRGSCSTEVEKE
3873	075367	10	RGGKKKSTKTSR
3874	075367	14	KKSTKTTSRSAKAG
3875	075367	16	STKTSRSAKAGVI
3876	075367	102	KGVTIASGGVLPN
3877	075367	120	LAKKRGSKGKLEA
3878	075367	138	PAKKAKSPSQKPP
3879	075367	140	KKAKSPSQKKPVS
3880	075367	146	SQKKPVSKKAGGK
3881	075367	158	KKGARKSKKKQGE
3882	075367	166	KKQGEVSKAASAD
3883	075367	170	EVSKAASADSTTE
3884	075367	173	KAASADSTTEGTP
3885	075367	187	DGFTVLSTKSLFL
3886	075367	190	TVLSTKSFLQK
3887	075367	202	KLNLIHSEISNL
3888	075367	205	LIHSEISNLAGE
3889	075367	263	VAGAAVSAGHGLP
3890	075367	278	FVIHCNSPVWGAD
3891	075367	308	DDKKLKSIAFPSI
3892	075367	313	KSIAFPSIGSGRN
3893	075367	316	AFPSIGSGRNGFP
3894	075367	335	LILKAISSYFVST
3895	075367	336	ILKAISSYFVSTM
3896	075367	340	ISSYFVSTMSSI
3897	075367	343	YFVSTMSSSIKTV
3898	075367	344	FVSTMSSSIKTVY
3899	075367	345	VSTMSSSIKTVYF

3900	075367	356	YFVLFD S EIGIY
3901	075367	358	VLFDS E IGIYVQ
3902	075381	11	EQAEQPSQPSSTP
3903	075381	14	EQPSQPS S TPGSE
3904	075381	15	QPSQPS S TPGSEN
3905	075381	19	PSSTPG S ENVLPR
3906	075381	39	VKFLQNSRVRQSP
3907	075381	44	NSRVRQS S PLATRR
3908	075381	70	DMAFQQ S GTAADE
3909	075381	100	LISQPY S PAGSRW
3910	075381	104	PYSPAGS R WRDYG
3911	075381	153	RMEAGL S ELSGSV
3912	075381	156	AGLSEL S GSVAQT
3913	075381	158	LSELSG S VAQTVT
3914	075381	172	LQTTLAS V QELLI
3915	075381	206	TNWILES Q NINEL
3916	075381	214	NINELK S EINSLK
3917	075381	218	LKSEINS L KGLLL
3918	075381	232	RRQFPP S PSAPKI
3919	075381	234	QFPPSP S SAPKIPS
3920	075381	247	WQIPVK S PSPSSP
3921	075381	249	IPVKSP S PSSPAA
3922	075381	251	VKSPSP S SPAANV
3923	075381	252	KSPSP S PAAVNH
3924	075381	260	AAVNHH S SSDISP
3925	075381	261	AVNHH S SSDISPV
3926	075381	262	VNHH S SDISPVS
3927	075381	265	HSSSD I SPVSNES
3928	075381	268	SDISPV S NESTSS
3929	075381	271	SPVSNES T SSSPG
3930	075381	273	VSNEST S SSPGKE
3931	075381	275	NESTSS S PGKEGH
3932	075381	282	PGKEGH S PEGSTV
3933	075381	286	GHSPEG S TVTYHL
3934	075381	335	EEDDDV S HVDEED
3935	075410	20	WAKWTWS A VRGGA
3936	075410	50	SQAETK S LSFSSD
3937	075410	52	AETKSL S FSSDSE
3938	075410	57	LSFSSD S EGNFET
3939	075410	91	AGPGAK S QESQEA
3940	075410	94	GAKSQ E QEADEQ
3941	075410	110	EVVEKC S SKTC SK
3942	075410	115	CSSKTC S KPSENE
3943	075410	144	EPEHDF S KISIVR
3944	075410	153	SIVRP F S I ETKDS
3945	075410	159	SIETKD S TDISAV
3946	075410	179	GCVTAV S GKALPS
3947	075410	208	GVTLEA S AEADLK
3948	075410	300	TPGTLSS D TNDSG
3949	075410	305	SSDTND S GVELGE
3950	075410	315	LGEESRS S SPLKLE
3951	075410	316	GEESRSS S PLKLEF
3952	075410	347	LGRKL G STLTPKI
3953	075410	361	KDGISK S AGLEQP
3954	075410	382	PLSQ T SSKPDP <i>SQ</i>
3955	075410	411	NSPPLS S EGSYHF
3956	075410	437	PTTTLT S SDFCSP
3957	075410	454	VNEILE S PKKAKS

3958	075410	476	KKHETQS L ALDAC
3959	075410	494	AVISQIS D ISNRD
3960	075410	497	SQISDIS N RDGHA
3961	075410	542	CNSVPV S TINHAF
3962	075410	549	TINHAF S SSEAGI
3963	075410	568	KMEEGD S TVLGILL
3964	075410	689	SVERSL S DLFRRY
3965	075410	759	TKAKAES A ALHAG
3966	075449	24	LLGNYDSAMVYYQ
3967	075449	75	IMKTLES F KLDST
3968	075449	80	ESFKLD S TPLKAA
3969	075449	93	QHDLPA S EDEVWS
3970	075449	99	SEGEVWS M PVPVE
3971	075449	118	PRKRQSS Q YSDPK
3972	075449	121	RQSSQYS D PKSHG
3973	075449	125	QYSDPK S HGNRPS
3974	075449	139	TVRVHRS S AQN VH
3975	075449	140	VRVHRSS A QN VH
3976	075449	184	ETNKFD S TGYDKD
3977	075449	275	TFFNVSS S TLTSK
3978	075449	276	FFNVSS S TLTSKY
3979	075449	280	SSSTLT S KYRGES
3980	075449	286	SKYRG E KLVRL
3981	075449	301	EMARFY S PATIFI
3982	075449	312	FIDEIDS I CSRRG
3983	075449	315	EIDSIC S RRGTSE
3984	075449	320	CSRRGT S EEHEAS
3985	075449	326	SEEHEA S RRVKA E
3986	075449	344	DGVGGT S ENDDPS
3987	075449	350	SENDDPS K MVMVL
3988	075449	383	IYIPLPS A KGREE
3989	075449	394	EELLRI S LRELEL
3990	075449	408	DDVDLAS I AENME
3991	075449	417	ENMEGY S GADITN
3992	075449	429	NVCRDAS L MAMRR
3993	075449	449	EEIRNL S KEEMHM
3994	075449	470	MALKKV S KVSAA
3995	075449	472	LKKVSK S VSAADI
3996	075449	474	KVSKSV S AADIER
3997	075496	19	KENIKN S SPRRT
3998	075496	20	ENIKNS S SPRRTL
3999	075496	32	LKMIQPS S ASGSILV
4000	075496	34	MIQPSAS G SLVGR
4001	075496	36	QPSASGS L VGRE N
4002	075496	45	GRENEL S AGLSKR
4003	075496	49	ELSAGL S KRKHRN
4004	075496	60	RNDHLT S TTSSPG
4005	075496	72	GVIVPES S ENKNL
4006	075496	73	VIVPES S ENKNLG
4007	075496	85	GGVTQES F DLMIK
4008	075496	95	MIKENPS S QYWKE
4009	075496	96	IKENPSS S QYWKEV
4010	075496	168	PLDNFES S LDNQEF
4011	075496	176	DNQEFD S EEETVE
4012	075496	189	DSLVED S EIGTCA
4013	075496	200	CAEGTV S SSTD A K
4014	075496	201	AEGTV S STD A KP
4015	075530	24	AKKQKL S DENSN

4016	075530	25	KKQKLSSDENSNP
4017	075530	29	LSSDENSNPDLSG
4018	075530	34	NSNPDLSGDENDD
4019	075530	43	ENDDAVSIESGTN
4020	075530	46	DAVSIESGTNTER
4021	075530	67	NAPGRKSWGKGKW
4022	075530	75	GKGKWKSKKCKYS
4023	075530	81	SKKCKYSFKCVNS
4024	075530	87	SFKCVNSLKEDHN
4025	075530	105	VQFNWHSKEGPL
4026	075530	118	VFATVGSNRVTLY
4027	075530	128	TLYECHSQGEIRL
4028	075530	137	EIRLLQSYVDADA
4029	075530	156	CAWTYDSNTSHPL
4030	075530	159	TYDSNTSHPLLAV
4031	075530	168	LLAVAGSRGIIRI
4032	075530	208	DPNLLSVSKDHA
4033	075530	210	NLLLSVSKDHALR
4034	075530	241	HRDEVLSADYDLL
4035	075530	259	SCGMDHSLKLWRI
4036	075530	267	KLWRINSKRMMNA
4037	075530	291	TNRPFISQKIHF
4038	075530	300	IHFPDFSTRDIHR
4039	075530	321	LGDLILSKSCENA
4040	075530	323	DLILSKSCENAIV
4041	075530	346	IDKIKPSESNVTI
4042	075530	348	KIKPSESNVTLG
4043	075530	359	LGRFDYSQCDIWY
4044	075530	369	IWYMRFSMDFWQK
4045	075530	422	TSFSRDSSILIAV
4046	075530	423	SFSRDSSILIAVC
4047	075530	433	AVCDDASIWWRDR
4048	075531	22	GEKPVGSLAGIGE
4049	075531	74	GANAKQSRDCFGC
4050	075533	35	QGVGLDSTGYYDQ
4051	075533	57	FAGYVTSIAATEL
4052	075533	73	DDDYSSSTSLLGQ
4053	075533	75	DYSSSTSLLGQKK
4054	075533	129	RRTMIISPERLDP
4055	075533	190	VNGAAASQPPSKR
4056	075533	194	AASQPPSKRKRRW
4057	075533	217	TPKKLSSWDQAET
4058	075533	242	PGRAKGSETPGAT
4059	075533	287	HGGATSSARKNRW
4060	075533	322	TDRGGDSIGETPT
4061	075533	332	TPTPGASKRKSRW
4062	075533	344	WDETPASQMGGST
4063	075533	349	ASQMGGSTPVLT
4064	075533	485	LVDVDESTLSPEE
4065	075533	488	VDESTLSPEEQKE
4066	075533	598	EGREIIISNLAKAA
4067	075533	611	GLATMISMRPDI
4068	075533	637	AFAVVASALGIPS
4069	075533	657	VCKSKKSWQARHT
4070	075533	685	ILPHLRSLVEIIE
4071	075533	723	TPYGIESFDSVLK
4072	075533	779	LIREFQSPDEEMK
4073	075533	851	GAAEIIISRIVDDL

4074	075533	908	EQTTED S VMLNGF
4075	075533	956	QAADLIS R TAVVM
4076	075533	992	YPEVLGS I LGALK
4077	075533	1124	IVAETC S PFTVLP
4078	075533	1150	QNGVLK S LSPFLFE
4079	075533	1189	VHRQTASAVVQHM
4080	075533	1196	AVVQHMS L GVYGF
4081	075533	1223	PNVFET S PHVIQA
4082	075533	1271	YWKIYN S IYIGSQ
4083	075563	8	PNPSST S SPYPLP
4084	075563	9	NPSST S SPYPLPE
4085	075563	38	LKG E NLSKKAKEK
4086	075563	47	AKEKRES L IKKIK
4087	075563	57	KIKDV K S I YLQEF
4088	075563	87	GPPDT I S L ASERY
4089	075563	90	DTISLASERYDKD
4090	075563	101	KDDEAPS D GAQFP
4091	075563	131	KRRKDHS F LGFEW
4092	075563	145	KRWCALS K TVFYY
4093	075563	154	VFYYYGS D DKDQQ
4094	075563	170	FAIDGYS V RMNNT
4095	075563	190	DCCFEIS A PDKRI
4096	075563	203	YQFTAAS P KDAEE
4097	075563	223	VLQDMES D IIPED
4098	075563	247	DHPLPI S NPLTSS
4099	075563	252	ISNPLT S SQPIDD
4100	075563	253	SNPLT S SQPIDDE
4101	075563	271	PEEEEDS A PVKVE
4102	075563	283	EEQRKMS Q DSVHH
4103	075563	286	RKMSQDS V HHTSG
4104	075563	291	DSVHHT S GDKSTD
4105	075563	295	HTSGDK S TDYANF
4106	075563	313	DCTGAF S DELSFK
4107	075563	317	AFSDELS F KRGDV
4108	075563	328	DVIYIL S KEYNRY
4109	075569	22	EDSGTFS L GKMIT
4110	075569	57	VYECERS D VQIHV
4111	075569	83	CTGEGET S KKLAKH
4112	075569	104	ILKANAS I CFAVP
4113	075569	118	PLMPDPS K QPKNQ
4114	075569	130	QLNPIGS L QELAI
4115	075569	148	LPEYTLS Q EGGPA
4116	075569	167	TICRLES F METGK
4117	075569	176	ETGKGAS K KQAKR
4118	075569	193	KFLAKFS N ISPEN
4119	075569	196	AKFSNIS P ENHIS
4120	075569	202	SPENHIS L TNVVG
4121	075569	210	TNVVGH S LGCTWH
4122	075569	217	LGCTWHS L RNSPG
4123	075569	221	WHSLRNS P GEKIN
4124	075569	232	INLLKRS L LSIPN
4125	075569	235	LKRSLLS I PNTDY
4126	075569	265	LDIDELS A NGQYQ
4127	075569	277	QCLAE L STSPITV
4128	075569	279	LAE L STS P ITVCH
4129	075569	290	CHGSG I SCGNAQS
4130	075569	296	SCGNAQS DA AHNA
4131	075581	61	AVDFVFS H GLIYW

4132	075581	71	IYWSDVSEEAIKR
4133	075581	92	VQNVVVSGLLSPD
4134	075581	96	VVSGLLSPDGLAC
4135	075581	122	TNRIEVSNLDGSL
4136	075581	127	VSNLDGSLRKVLF
4137	075581	209	LNFHKSNLGDTN
4138	075581	263	GLREIHSDFSPM
4139	075581	343	TDLRRISLDTPDF
4140	075581	387	VRAIRRSFIDGSG
4141	075581	479	RAALDGSDRVVLV
4142	075581	488	VVLVNTSLGWPNG
4143	075581	622	IGFELISDMKTCI
4144	075581	665	TGVKEASALDFDV
4145	075581	694	RAFMNGSALEHVV
4146	075581	818	TNLIESSNMLGLN
4147	075581	885	ILVFHSSRQSGWN
4148	075581	921	GCPAHYSLNADNR
4149	075581	942	LLFSQKSAINRMV
4150	075581	1005	GFTVVVSVPSON
4151	075581	1006	FTVVVSSVPSONL
4152	075581	1128	DLRRIESSDLSGA
4153	075581	1129	LRRIEESDLGAN
4154	075581	1132	IESSDLSGANRIV
4155	075581	1280	TECEDHSDELNCP
4156	075581	1469	AHVTGASSSSSS
4157	075581	1508	FGYSSNSPSTHRS
4158	075581	1521	YSYRPYSYRHFAP
4159	075581	1533	PPTTPCSTDVCDS
4160	075581	1539	STDVCDSDYAPSR
4161	075581	1544	DSDYAPSRRMTSV
4162	075582	8	EEEGGSSGGAAGT
4163	075582	15	GGAAGTSADGGDG
4164	075582	70	FLVRKISGHDTGK
4165	075582	111	LEHIRQSPFLVTL
4166	075582	144	ELFTHLSQRERFT
4167	075582	187	ENILLDSNGHVVL
4168	075582	199	LTDFGLSKEFVAD
4169	075582	240	KAVDWWSLGVLMY
4170	075582	253	ELLTGASPFTVDG
4171	075582	263	VDGEKNSQAEISR
4172	075582	268	NSQAEISRRILKS
4173	075582	283	PYPQEMSALAKDL
4174	075582	417	SAMMKDSPFYQHY
4175	075582	436	KPLGEGSFSICRK
4176	075582	438	LGEGSFSICRKCV
4177	075582	448	KCVHKKSNOFAV
4178	075582	458	FAVKIISKRMEAN
4179	075582	517	KKKKHFSETEASY
4180	075582	522	FSETEASYIMRKL
4181	075582	530	IMRKLVSAVSHMH
4182	075582	533	KLVSAVSHMDVG
4183	075582	607	ESCDLWSLGVILY
4184	075582	624	GQVPFQSHDRSLT
4185	075582	628	FQSHDRSLTCTSA
4186	075582	633	RSLTCTSVEIMK
4187	075582	757	TSTETRSSSESS
4188	075582	762	RSSSESSHSSSS
4189	075582	763	SSSESSHSSSH

4190	075582	765	SSESSHSSHHSH
4191	075582	768	SSHSSSHSHGKT
4192	075582	783	TKTLQPSNPADSN
4193	075607	13	AALAFLSQESRTR
4194	075607	16	AFLSQESRTRAGG
4195	075607	36	APVTMDSFFFGE
4196	075607	44	FFGCSELSGHTRSF
4197	075607	49	LSGHTRSFTFKVE
4198	075607	104	VANLKLSCQPMILS
4199	075607	110	SCQPMILSLLDFQL
4200	075607	126	VTFRLKSGSGPVR
4201	075607	128	FRLKSGSGPVIT
4202	075607	143	HQIVTMSNDVSEE
4203	075607	147	TMSNDVSEESEE
4204	075607	151	DVSEEESEEEEED
4205	075607	158	EEEEEDSDEEEVE
4206	075636	9	LLWILPSLWLLLL
4207	075636	28	KTQEHPSCPGPRE
4208	075636	38	PRELEASKVVLLP
4209	075636	45	KVVLLPSCPGAPG
4210	075636	52	CPGAPGS PGEKGA
4211	075636	98	NCRELLSQGATLS
4212	075636	104	SQGATLS GWYHLC
4213	075636	140	QRQRDGSVDFRS
4214	075636	146	SVDFRSWSSSYRA
4215	075636	148	DFFRSWS SYRAGF
4216	075636	149	FFRSWSS SYRAGFG
4217	075636	159	GFGNQESEFWLGN
4218	075636	215	LALGKFSEGTAJD
4219	075636	222	EGTAGDSSLHSG
4220	075636	224	TAGDSL LHSGRP
4221	075636	227	DSLSLHS GRPFTT
4222	075636	240	YDADHDSSNSNCA
4223	075636	241	DADHDSSNSNCBV
4224	075636	243	DHDSSNSNCBV
4225	075636	257	GAWWYASCYRSNL
4226	075636	261	YASCYRSNLNGRY
4227	075636	270	NGRYAVSEAAAHK
4228	075636	283	YGIDWASGRGVGH
4229	075689	33	PDPDWASYTGVF
4230	075689	43	GVFICLSCSGIHR
4231	075689	45	FICLSCSGIHRNI
4232	075689	55	RNI PQVS KVKSVR
4233	075689	59	QVSKVKSVRLDAW
4234	075689	75	QVEFMASHGNDAA
4235	075689	91	FESKVPSFYRPT
4236	075689	99	YYRPTPSDCQLLR
4237	075689	128	EKQEPPSAGYREG
4238	075689	148	DNGQFLSRKFVLT
4239	075689	204	TYLKDNSTRNIFI
4240	075689	250	DLVPKLSRNLYKE
4241	075689	301	GEVFIGSKESGYT
4242	075689	304	FIGSKESGYTVLH
4243	075689	315	LHGFPPTQGHHW
4244	075689	342	FACETESEDQREWV
4245	075716	9	HALCVCVRGTVII
4246	075716	32	LGEGGFSTYVDLVE
4247	075716	169	VLMDLGSMNQACI

4248	075716	180	CIHVEGSRQALT
4249	075716	205	RAPELF\$VQSHCV
4250	075716	208	ELFSVQ\$HCVIDE
4251	075716	220	ERTDVWSLGCVL
4252	075716	244	VFQKGDSVALAV
4253	075716	254	AVQNQLSIPQSPR
4254	075716	258	QLSIPQS\$PRHSSA
4255	075716	262	PQSPRH\$SALRQL
4256	075716	263	QSPRHSSALRQL
4257	075716	271	LRQLLNSMMTVDP
4258	075716	288	HIPLLL\$QLEALQ
4259	075807	23	HPFFLL\$PVMGLL
4260	075807	30	PVMGLL\$RAWSRL
4261	075807	101	TLGLKT\$SSLPEA
4262	075807	102	LGLKT\$SLPEAW
4263	075807	103	GLKTSS\$LP
4264	075807	125	GEREAT\$VPRGQG
4265	075807	145	RAPLSP\$LLIRTL
4266	075807	178	EGVNKF\$YPPSHR
4267	075807	215	SALSPG\$KPSTWV
4268	075807	218	SPGSKP\$TWVSCP
4269	075807	222	KPSTWV\$CPGE
4270	075807	240	DKRTESKGART
4271	075807	249	ARKTSV\$PRSSGS
4272	075807	252	TSVSPRS\$GSDPR
4273	075807	259	SGSDPRSWEYRSG
4274	075807	264	RSWEYRS\$GEASEE
4275	075807	307	SWWCQPSDEEEGE
4276	075807	336	PCIPPPSAFLKAW
4277	075807	362	EEDED\$DSGSDE
4278	075807	364	EDEDSD\$GSDEEE
4279	075807	388	TGVFLKS\$WVYQPG
4280	075807	409	EDSDTG\$AEDERE
4281	075807	421	EAETSAS\$TPPASA
4282	075807	426	ASTPPASAFLKAW
4283	075807	450	EDEDVD\$EDKEDD
4284	075807	457	EDKEDD\$SEAALGE
4285	075807	466	ALGEAES\$DPHPSH
4286	075807	471	ESDPHPS\$HPDQRA
4287	075807	604	QAQEELS\$PCLTPA
4288	075807	636	LTQTLPS\$SSVPSS
4289	075807	637	TQTLPSS\$VPSSP
4290	075807	638	QTLPS\$VPSSPV
4291	075807	660	ATPSRSS\$AAAAAA
4292	075821	8	PTGDFDS\$KPSWAD
4293	075821	28	DDKCVT\$ELLKGI
4294	075821	93	IETRKAS\$KAVARR
4295	075821	108	WKKFGN\$EFDPPG
4296	075821	123	VATTIV\$DDVSMT
4297	075821	127	TVSDDV\$MFTITS
4298	075821	133	SMTFITS\$KEDLNC
4299	075821	156	KGQKIV\$CRICKG
4300	075821	217	GKYVPP\$LRDGAS
4301	075821	223	SLRDGA\$RRGESM
4302	075821	228	ASRRGES\$MQPNRR
4303	075821	247	IRVTNL\$EDTRET
4304	075821	264	LFRPFG\$ISRIYL
4305	075821	266	RPFGSISRIYLAK

4306	075821	279	DKTTGQS K GFAFI
4307	075821	286	KGFAFIS F HRRRED
4308	075821	301	RAIAGVS G FGYDH
4309	075822	72	KPEVKIS E KKKIA
4310	075822	151	IDAMNPS S RDDFT
4311	075822	152	DAMNPSS R DDFTE
4312	075822	173	ITQYEKS L YYASF
4313	075822	178	KSLYYAS F LEVLV
4314	075822	190	VRDVCIS S LEIDDL
4315	075822	202	LKKITNS L TVLCS
4316	075822	208	SLTVLC S EKQKQE
4317	075822	217	QKQEKKQSKAKKKK
4318	075915	18	DDFFPGS D RFARP
4319	075915	30	PDFRDIS K WNNNRV
4320	075915	38	WNNRVVS N LYYQ
4321	075915	56	VAAMMIS I VGFLS
4322	075915	62	SIVGFLS P FNML
4323	075915	109	MVVMLASYFLISM
4324	075915	114	ASYFLIS M FGGV
4325	075915	138	LMFIHAS L RLRNL
4326	075925	13	LKQMVM S LRVSEL
4327	075925	76	MTPADLS I PNVHS
4328	075925	83	I P NVHSS P MPATL
4329	075925	161	SLASDNS Q RFRET
4330	075925	205	QLRFCLSETSCPQ
4331	075925	229	VNTKPC S LPGYLP
4332	075925	269	PNTIVVS W TAEIG
4333	075925	279	EIGRNY S MAVYLV
4334	075925	289	YLVKQLS S TVLLQ
4335	075925	290	LVKQLSS T VLLQR
4336	075925	328	SEIATT S LRVSSL
4337	075925	332	TTSLRV S LLCPLG
4338	075925	352	CRALTCS H LQCFD
4339	075925	446	LEHQVAS H HQSSN
4340	075925	466	IDLTIDS S SSDEEE
4341	075925	468	LTIDSS S DEEEEE
4342	075925	476	EEEEEPS A KRTCP
4343	075925	483	AKRTCP S LSPTSP
4344	075925	485	RTCP S LSPTSPLN
4345	075925	488	PSLSPT S PLNNKG
4346	075925	506	HQASPVS R TPSLP
4347	075925	517	LPAVDT S YINTSL
4348	075925	550	DFFPFLS G DNQHY
4349	075925	577	DQDLLHS S RFFPY
4350	075925	578	QDLLHSS R FPYT
4351	075925	607	LPTTNGS S SGSNS
4352	075925	609	TTNGSS S GSNSSL
4353	075925	614	SSGSNS S LVSSNS
4354	075925	617	SNSSLV S SNSLRE
4355	075925	624	SNSLRES H SHHTVT
4356	075925	626	SLRESH S HTVTNR
4357	075925	634	TVTNRSS S TDASI
4358	075925	639	SSTD T AS I FGIIP
4359	075934	51	PTKNYLS Y LAPD
4360	075934	59	LTAPDYS A FETDI
4361	075934	83	QPIELL S MKRYEL
4362	075934	93	YELPAPS S SGQKND
4363	075934	94	ELPAPSS G QKNDI

4364	075934	110	QECVNNSSMAQLEH
4365	075934	128	ENLELMSQHGCNA
4366	075934	176	MQLTAGSKLREME
4367	075934	183	KLREMESNWVSLV
4368	075934	187	MESNWVSLVSKNY
4369	075934	190	NWVSLVSKNYEIE
4370	075943	39	STITATS LGVNNS
4371	075943	45	SLGVNNS SHRRKN
4372	075943	54	RRKNGP STLESSR
4373	075943	58	GPSTLES SRFPAR
4374	075943	70	RKRGNL SSLEQIY
4375	075943	71	KRGNL SSLEQIYG
4376	075943	81	IYGLENS KEYLSE
4377	075943	86	NSKEYL SENE PWV
4378	075943	131	QPKQGGS ILLITG
4379	075943	182	GMFNTES SFHMFP
4380	075943	236	NQFYRDS HTLHEV
4381	075943	261	IFIISDLS LSGDNN
4382	075943	263	IISDLS GDNNQR
4383	075943	283	QEECSI SNIS FNP
4384	075943	330	LLCQGC SGDIRSA
4385	075943	335	CSGDIR SAINS LQ
4386	075943	339	IRSAINS LQFSSS
4387	075943	344	NSLQFSS SKGENN
4388	075943	345	SLQFSS SKGENNL
4389	075943	393	IGGKDVS LFLFRA
4390	075943	421	DSPRLPS HLSEYE
4391	075943	424	RLPSHL SEYERDT
4392	075943	442	EEVVEMSHMPGDL
4393	075943	481	SFADILS GDWNTR
4394	075943	488	GDWNTRS LLREYS
4395	075943	505	TRGVMHS NKARGY
4396	075943	519	HCQGGGS SFRPLH
4397	075943	520	CQGGGS SFRPLHK
4398	075943	642	TVPETWS LPLSQN
4399	075943	649	LPLSQNS ASELP A
4400	075943	662	SQPQPFS AQGDME
4401	075995	10	RKPSNA SEKEPTQ
4402	075995	21	TQKKKL S LQRSSS
4403	075995	25	KLSLQRSS SFKDF
4404	075995	26	LSLQRSS SFKDF A
4405	075995	37	FAKS KPS SPV VSE
4406	075995	38	AKSKPSS PVVSEK
4407	075995	57	NIPEDD SGVPTPE
4408	075995	68	PEDAGKS GKKLGK
4409	075995	81	KWRAVI SRTMNRK
4410	075995	108	DTLEEGS ASPTSP
4411	075995	117	PTSPDY S LDSPGP
4412	075995	131	KMALAF SEQEEHE
4413	075995	142	HELPVLS RQASTG
4414	075995	146	VLSRQAS TGSEL C
4415	075995	149	RQASTG SELCSPS
4416	075995	153	TGSELCS PSPGSG
4417	075995	155	SELCS PPGSF
4418	075995	158	CSPSPGS GSFGEE
4419	075995	160	PSPGSGS FGEEPP
4420	075995	187	HTDFTPS PYDHDS
4421	075995	193	SPYDHDS LKLQKG

4422	075995	223	LNGKVGSFKFIYV
4423	075995	243	VGHARPSRRQSKG
4424	075995	247	RPSRRQSKGKRPK
4425	075995	271	GLEEHTSTLLLNG
4426	075995	329	AEEGAESSQEPVA
4427	075995	330	EEGAESSQEPAH
4428	075995	339	PVAHTVSEPKVDI
4429	075995	349	VDIPRDSGCFEWS
4430	075995	355	SGCFEGSESGRDD
4431	075995	357	CFEGSESGRDDAE
4432	076021	8	EDSASASLSSAAA
4433	076021	10	SASASLSSAAATG
4434	076021	11	ASASLSSAAATGT
4435	076021	18	AAATGTSTSTPAA
4436	076021	20	ATGTSTSTPAAPT
4437	076021	75	VLWKIPSKELRVR
4438	076021	87	RLTLPHSIRSDSE
4439	076021	90	LPHSIRS DSEDIC
4440	076021	105	TKDEPNSTPEKTE
4441	076021	127	HGIKTVSQIIISLQ
4442	076021	131	TVSQIISLQLTLKK
4443	076021	141	LKKEYKSYEAKLR
4444	076021	150	AKLRLLSFDFFL
4445	076021	151	KLRLLLSFDFFLT
4446	076021	167	IRRLLPSSLIGRH
4447	076021	182	RKKVPVSVNLLSK
4448	076021	187	VSVNLLSKNLSRE
4449	076021	191	LLSKNLSREINDC
4450	076021	206	GTVLNISSKGSCS
4451	076021	212	SKSGCSAIRIGH
4452	076021	238	AVTKGLSEKLPEK
4453	076021	265	AALPIFSFVSNW
4454	076021	278	DEATKRSLLNKKK
4455	076021	314	QARKTASVLSKDD
4456	076021	325	DDVAPESGDTTVK
4457	076021	392	HATGKKS PAKSPN
4458	076021	400	AKSPNPS TPRGKK
4459	076021	413	RKALPASETPKAA
4460	076021	427	SETPGKSPEKKPK
4461	076021	445	VKEKSPSLGKKDA
4462	076021	467	KFFTPSKSVRKASH
4463	076021	469	FITPSKSVRKASH
4464	076021	474	KSVRKASHTPKKW
4465	076024	70	QAQHTRS RERADG
4466	076024	157	DRRGITSENREV
4467	076024	235	MLERLVS SESKNY
4468	076024	236	LERLVSS SESKNYI
4469	076024	261	AKGVIPSSLFLQD
4470	076024	308	YLIDMASRAGMHW
4471	076024	316	AGMHWLSTIIPTH
4472	076024	334	IFFFIVSNLTIDF
4473	076024	353	LVIFYLSSLFISMVI
4474	076024	356	FYLSFISMVICTL
4475	076024	368	LKVFQDSKAWEWF
4476	076024	411	YAHFLLSVFFFVIF
4477	076024	418	VFFVIFS FPIASK
4478	076024	423	FSFPIASKDCIPC
4479	076024	430	KDCIPCSELAVIT

4480	076024	446	TVTSYLSLSTHAE
4481	076024	448	TSYLSLSLTHAEPY
4482	076024	469	VTAGLLSLLPSMP
4483	076024	551	VVILLESTGLGLL
4484	076024	605	VTVAVCSVPLLLR
4485	076024	617	RWWTKASFVVGML
4486	076024	631	KSLTRSSMVKLIL
4487	076024	654	WFYVYRSEGMKVY
4488	076024	662	GMKVYNSTLTWQQ
4489	076024	743	EAYPACSPGNTST
4490	076024	748	CSPGNTSTAEEEL
4491	076024	784	TVGMPFSSGADGS
4492	076024	816	FKSVLLSLRQGSL
4493	076024	826	GSLIEFTILEGR
4494	076024	846	FELKAISCLNCMA
4495	076024	855	NCMAQLSPTRRHV
4496	076061	38	EGPQDRSSQQKGR
4497	076061	39	GPQDRSSQQKGRL
4498	076061	46	QQKGRLSLQNTAE
4499	076061	75	ECFENNSECIRGL
4500	076061	101	FDAQGKSFIDAL
4501	076061	122	HRFGCISRKCPI
4502	076061	133	AIREMVSQQLREC
4503	076061	192	KEAITHSVQVQCE
4504	076061	203	CEQNWGSLCSILS
4505	076061	206	NWGSLCSILSFCT
4506	076061	209	SLCSILSFCTSIAI
4507	076061	213	IILSFCTSIAIQKPP
4508	076061	235	VDRTKLSRAHHGE
4509	076061	264	AKGERGSKSHPNA
4510	076061	266	GERGSKSHPNAHA
4511	076061	285	LGAQGPSGSSEWE
4512	076061	287	AQGPSGSSEWEDE
4513	076061	288	QGPSGSSEWEDEQ
4514	076094	16	SVPALWSEVNRYG
4515	076094	60	CLIQNGSFKEALN
4516	076094	103	ALKTIESANQQT
4517	076094	139	RDLVRNSQDDYDE
4518	076094	152	ERKTNLSAVVAAQ
4519	076094	159	AVVAAQSNWEKVV
4520	076094	211	LCRRSLSEDTDGT
4521	076094	299	GVEFKLSKKQLQA
4522	076094	327	EQCRKISASLQSQ
4523	076094	329	CRKISASLQSQSP
4524	076094	332	ISASLQSQSPEHL
4525	076094	385	MAQLKISQGNISK
4526	076094	390	ISQGNISKACLIL
4527	076094	410	HKPGMVSALVTMY
4528	076094	417	ALVTMYSHEEDID
4529	076094	424	HEEDIDSIAIEVFT
4530	076094	448	KSPAHLSLIREAA
4531	076094	468	RKKEAISDLQQLW
4532	076094	489	TLAQLISAYSLVD
4533	076094	508	LSKHLPSSDMSML
4534	076094	511	HPSSDMSMSLKVD
4535	076094	513	PSSDSMSLKVDVE
4536	076094	524	VEALENSAGATYI
4537	076094	541	GKVTGDSQPKEQG

4538	076094	584	LPMRERSYYRGRK
4539	076094	610	GATAGASSELDAS
4540	076094	611	ATAGASSELDASK
4541	076094	620	DASKTVSSPPTSP
4542	076094	621	ASKTVSSPPTSPR
4543	076094	625	VSSPPTSPPGSA
4544	076094	630	TSPRPGSAATVSA
4545	076094	635	GSAATVSASTSNI
4546	076094	637	AATVSASTSNIIP
4547	094760	24	VRALPESLGQHAL
4548	094760	32	GQHALRSAKGEEV
4549	094760	56	YVGVLGSKLGLQV
4550	094760	70	ELPADES LPDCVF
4551	094760	97	TRPGAPSRRKEVD
4552	094760	143	EFFVGLSKRTNQR
4553	094760	164	FKDYAVSTVPVAD
4554	094760	176	DGLHLKSFCSMAG
4555	094760	179	HLKSFCSMAGPNL
4556	094760	190	NLIAIGSSESAQK
4557	094760	191	LIAIGSSESAQKA
4558	094760	193	AIGSSESAQKALK
4559	094760	205	KIMQQMSDHYDK
4560	094760	245	PEEYPESAKVYEK
4561	094760	261	HMLIPVSMSELEK
4562	094760	263	LIPVSMSELEKVD
4563	094760	276	GLLTCCSVLINKK
4564	094763	13	ETPPDPSPPSAPA
4565	094763	66	ALRERLSTLPDKL
4566	094763	73	TLPDKLSYNIMVP
4567	094763	109	NWFAKCSAKQAVG
4568	094763	140	VMKNFESRVEFTE
4569	094763	152	EDLQKMSDAAGDI
4570	094763	183	IAHKPHSKPKTSD
4571	094763	201	IANDVKSKDLLAD
4572	094763	229	LLGELDSKPDTVI
4573	094763	243	NGEDTTSEEKE
4574	094763	275	HKDVASSEPFSGQ
4575	094763	279	ASSEPFSGQVNSQ
4576	094763	294	CSVNGSSSYHSDD
4577	094763	295	SVNGSSSYHSDDD
4578	094763	298	GSSSYHSDDDDDD
4579	094763	331	LGVGDNSIPTIYF
4580	094763	338	IPTIYFSHTVEPK
4581	094763	359	NTTLKFSEKKEEA
4582	094763	375	RKNSTGSGHSAQE
4583	094763	378	STGSGHSAQELPT
4584	094763	408	EYVPRKSILKSRS
4585	094763	414	SILKSRSRENSVC
4586	094763	418	SRSRENSVCSDTS
4587	094763	427	SDTSESSAAEFD
4588	094763	440	RRGVRLSISCEEA
4589	094763	452	ATCSDTSESILEE
4590	094763	454	CSDTSESILEE
4591	094763	471	KKLLPLSVTPEAF
4592	094763	478	VTPEAFSGTVIEK
4593	094763	488	IEKEFVSPSLTPPA
4594	094763	490	KEFVSPSLTPPA
4595	094811	23	KSPGDPSKDRAAK

4596	094811	49	AASPEL S ALEEEAF
4597	094811	77	MHGKNWS K LCKDC
4598	094811	101	DVDIVF S KIKGKS
4599	094811	107	SKI GK S C RTITF
4600	094811	132	KRFKD K S SEE AVR
4601	094811	133	RFKD K S SEE AVRE
4602	094811	152	GTKAPI I S GVTKAI
4603	094811	164	ISSP T V S RLTD T
4604	094811	175	TTKF T G S HKERFD
4605	094811	183	KERFD P S GKGKGK
4606	094811	199	VDLV D E S GYVSGY
4607	094811	203	DESGYV S GYKHAG
4608	094832	48	IGEVVV S VNPYKL
4609	094832	101	DTCIVI S GESGAG
4610	094832	104	IVISGE S GAKTE
4611	094832	112	AGKTEA S KYIMQY
4612	094832	126	AAITNPS Q RRAEVE
4613	094832	141	KNMLLK S NCVLEA
4614	094832	189	NYLLEK S RVIVQQ
4615	094832	200	QP PG ERS F HFSFYQ
4616	094832	212	QLLQGG S EQMLRS
4617	094832	224	SLHLQ K SLSSYNY
4618	094832	227	LQKSLSSYNYIHV
4619	094832	239	VGAQLK S SINDAA
4620	094832	240	GAQLK S SINDAAE
4621	094832	298	ENGKV V SIIAE L
4622	094832	337	HTEQEAS Y GRDAF
4623	094832	477	FLEALN S KLGKHA
4624	094832	486	GKHAHF S SRKLCA
4625	094832	538	KRLMYN S SNPVLK
4626	094832	553	WPEGK L SITEVTK
4627	094832	581	LVDNL A SKEPYYY
4628	094832	597	KPNDKK S PQIFDD
4629	094832	738	RRYKV K SYIHEVA
4630	094832	764	KHV K WPSPPKVLR
4631	094832	786	FNRWRAS Q LIKSI
4632	094832	830	EGNYLAS K PDT P Q
4633	094832	860	YMNVL F SCHVRKV
4634	094832	870	RKVNR F SKVEDRA
4635	094832	908	YNLT G LSVSNGKD
4636	094832	910	LTGL S VSNGKD Q L
4637	094832	933	LIVCL F SKQPT H E
4638	094832	940	KQPT H ESRIGELV
4639	094832	980	GKKCTV S VETRLN
4640	094832	997	DFTKNR S GFILSV
4641	094875	43	YPQHAQS L DGTTS
4642	094875	49	SLDGTT S SSIPLY
4643	094875	51	DGTT SS SIPLYRS
4644	094875	57	SIPLYRS S SEEKR
4645	094875	58	IPLYRS S SEEKRV
4646	094875	134	LYNPPY S AQSHPA
4647	094875	207	DTRKF R S EPRSIF
4648	094875	230	QHERPAS L YQSSI
4649	094875	234	PASLYQ S SIDRSL
4650	094875	278	QSASRT S PGRVDL
4651	094875	297	LTKSFT S SSPSSP
4652	094875	301	FTSSSP S PSRAK
4653	094875	336	SELDYC S TYRQHL

4654	094875	381	VSPKIKS <small>R</small> SCDDL
4655	094875	404	PKVKSESMGSLLC
4656	094875	417	EEDSKESCPMAWG
4657	094875	432	YVPEVRSGNRSRI
4658	094875	467	RKDLMNSEVICSV
4659	094875	482	RILQYESEQQHKD
4660	094875	497	RAWSQCSTEEVPR
4661	094875	511	MVPTRISEFEKLI
4662	094875	550	CPKRRFSIEYLL
4663	094875	596	RAHVEFSDSDQDG
4664	094875	617	IHLLEGSSFCSES
4665	094875	628	SDFDHFSFTSSES
4666	094875	695	EMDPGLSKLAFLV
4667	094875	702	KLAFLVS <small>P</small> VPFRR
4668	094875	712	FRRKKNSAPKKQT
4669	094875	750	AEKKRGS <small>L</small> PDNSI
4670	094875	813	RMPRSASFQDVDT
4671	094875	838	ALQDRESPRSYSS
4672	094875	844	SPRSYSS <small>T</small> LTDNG
4673	094875	1026	RIHSLSSENKPQRP
4674	094915	61	QFDQLISSMSSVA
4675	094915	62	FDQLISSMSSVAE
4676	094915	99	YEYRPRSSTKSKG
4677	094915	218	SPHVHQSVISLIM
4678	094915	304	QTTFELSSRKHS
4679	094915	534	RPMCMTSVQMSNK
4680	094915	681	LERSPYSNVFHV
4681	094915	889	AGSVRCSPPETLA
4682	094915	900	LASTPDSGYSIDS
4683	094915	915	IGIPSPSSLFKHI
4684	094915	997	ADAGVIHSASGG
4685	094915	1113	CALKAMS <small>A</small> VLCCG
4686	094915	1272	VSYYQLSEELARA
4687	094915	1507	KENIEESYVHLDI
4688	094915	1664	NIRTVASVLLRNK
4689	094915	1717	LSSSSTS <small>S</small> SISLG
4690	094915	1935	SYLGYNSNARSNS
4691	094915	2040	PLDKSESREKIEN
4692	094915	2098	VDPSQLSGFPLNI
4693	094915	2152	HMMMSLYSTHTYSR
4694	094915	2200	LSSMQQSLLQIY
4695	094915	2330	VIAVTRSTSSTSS
4696	094915	2340	TSSGSNSNALVPV
4697	094915	2347	NALVPVSWKRPQL
4698	094915	2417	VAVEDNSSEQQFG
4699	094915	2489	QEDTDESSEEEAA
4700	094915	2591	IQEQQESLVCQGI
4701	094915	2711	FTFHVFSSRLFQTI
4702	094915	2735	VSFLGDSLQRIGT
4703	094915	2745	IGTKFKSSLEVMM
4704	094915	2886	KEAESASENEEID
4705	094915	2929	QVKAFRSLWPSDI
4706	094915	2968	SFAVIGSNLDMSE
4707	094916	20	DLESPIKSLYSRES
4708	094916	75	SSAPSSSMGGAC
4709	094916	82	SMGGACSSFTTSS
4710	094916	100	STSVTDSKAMQVE
4711	094916	168	EGCGLESEQSCSM

4712	094916	171	GLESEQ S CSMWME
4713	094916	184	DSPSNFSNMSTSS
4714	094916	229	DIFDADS A KAPHY
4715	094916	304	TEGSRG S VKDRTQ
4716	094916	335	VFVGND S GRVKPH
4717	094916	451	PEILKK S LHSCSV
4718	094916	454	LKKSLH S CSVKGE
4719	094916	649	GNGSFSSPSSHL
4720	094916	693	GTFPAV S ASSQLP
4721	094916	758	TLQQQ I SSNIFPS
4722	094916	767	IFPSPNSVSQQLQN
4723	094916	786	AGSFTG S TASGSS
4724	094916	794	ASGSSGSVDLVQQ
4725	094916	809	EAQQQL S SVLFSA
4726	094916	814	LSSVLF S APDGNE
4727	094916	847	VSPGMF S STEPTV
4728	094916	956	MQCELF S SPPAVS
4729	094916	1025	PQVNLF S STKSMM
4730	094916	1129	IAVLQG S SVPQDQ
4731	094916	1143	STNIFL S QSPMNN
4732	094916	1166	FFAAPNSISPLQS
4733	094916	1307	QEQQNQ S IFHQQS
4734	094916	1331	MQFQSQS T VSSLQ
4735	094916	1334	QSQSTV S SLQNPQ
4736	094916	1413	GIQGAT S SPQPQA
4737	094916	1440	QNSPGSSQQTSGM
4738	095069	26	DLLDPK S AAQNSK
4739	095069	31	KSAAQNS K PRLSF
4740	095069	36	NSKPRLS F STKPT
4741	095069	38	KPRLS F STKPTVL
4742	095069	46	KPTVLAS R VESDT
4743	095069	50	LASRVES D TTINV
4744	095069	63	MWKTV S TIFLVV
4745	095069	90	EQPHEI S QRTTIV
4746	095069	104	QKQTFI S QHSCVN
4747	095069	107	TFISQH S CVNSTE
4748	095069	111	QHSCVN S TELDEL
4749	095069	136	IPLGNT S NQISHW
4750	095069	140	NTSNQI S HWDLGS
4751	095069	146	SHWDLG S SFFFAG
4752	095069	147	HWDLG S SFFFAGT
4753	095069	164	IGFGNI S PRTEGG
4754	095069	217	FIKWNV S QTKIRI
4755	095069	225	TKIRII S TIIFIL
4756	095069	252	KHIEGWS A LDAY
4757	095069	277	DYVAGGS D IEYLD
4758	095069	305	YFAAVL S MI D WL
4759	095069	315	DWLRFV S KKTKEE
4760	095069	360	KFQRATS I KRKLS
4761	095069	366	SIKRKL S AELAGN
4762	095069	385	PCRRTLS V NHLTS
4763	095069	391	SVNHLTS E RDVLP
4764	095069	404	PLLKTES I YLNGL
4765	095071	26	DRLREV S EKLNKY
4766	095071	36	NKYNLNS H PPPLNV
4767	095071	94	DGSKLNS N SGAGR
4768	095071	250	PGEDLMS L LDADI
4769	095071	386	ELLAVSSKGELYQ

4770	095071	518	KNKKPKS SAGISS
4771	095071	519	NKKPK SAGISSM
4772	095071	523	KSSAG IISMPNIT
4773	095071	550	AGAVAF SISAGIP
4774	095071	628	SIASSAS MPYKRR
4775	095071	913	MLQTF FISHRCDGN
4776	095071	1074	GPSTEPS VVESKD
4777	095071	1341	DWNALK SMIMFGS
4778	095071	1510	IDAMQG SEELFSV
4779	095071	1534	SSSSSQ SQSSYII
4780	095071	1537	SSQSQ SQSSYIIRNP
4781	095071	1679	DSDSSSS QSDDIE
4782	095071	1759	RRSGT ISTSAAAA
4783	095071	1782	SYLTSAS SLARAY
4784	095071	1848	MVSIMD STEAQLR
4785	095071	1905	RRATLL SARQGMM
4786	095071	1923	FLNYAL SLMRSHN
4787	095071	1927	ALSLMR SHNDEHS
4788	095071	2181	FMGMVI SHDMLLG
4789	095071	2223	GFEVK EKFREM
4790	095071	2325	NKGTH TSLMQRLR
4791	095071	2349	EREMRR SGLRAG
4792	095071	2369	DFRRQL SIDTRPF
4793	095071	2414	MQPAF AASKITGML
4794	095071	2596	DADAVF SAMDLAF
4795	095071	2778	LYVPLY SSKQILK
4796	095084	22	CAVGQV SPYSAPW
4797	095084	25	GQVSPY SAPWKPT
4798	095084	44	PVVL PQSTLNLA K
4799	095084	62	EAKLEV SSCGPQ
4800	095084	63	AKLEV VSSCGPQC
4801	095084	64	KLEV VSSCGPQC H
4802	095084	86	EAKQYL SYETLYA
4803	095084	95	TLYANG SRTETQV
4804	095084	107	VGIYIL SSSGDGA
4805	095084	108	GIYIL SSSGDGAQ
4806	095084	118	GAQHRD BSSGKGS
4807	095084	120	QHRD SGSSGKSR R
4808	095084	121	HRDSG SSGKSR K
4809	095084	124	SGSSG KSSRKRQI
4810	095084	135	QIYGYD SRFSIFG
4811	095084	138	GYDSRF SIFGKDF
4812	095084	151	LLNYPF STSVKL S
4813	095084	153	NYPFST SVKL STG
4814	095084	157	STSVKL STGCTGT
4815	095084	209	GRGAND STSAMPE
4816	095084	211	GANDST TSAMPEQM
4817	095084	266	FMKIGV SPPAKQL
4818	095084	280	GGRIHF SGYDNDR
4819	095084	316	DAQPGAS SGGVYV
4820	095084	318	QPGASG SGVYVRM
4821	095084	341	KIIGIF SGHQWVD
4822	095084	351	WVDMNG SPQDFNV
4823	095235	33	TAADLG SVVRKNL
4824	095235	104	LQAPKD SFALKSN
4825	095235	109	DSFALK SNERGIG
4826	095235	124	THRFTF SQIFGPE
4827	095235	135	PEVGQAS FFNLTV

4828	095235	164	TYGVTNSGKTHTI
4829	095235	214	EVIWLDSKQIRQE
4830	095235	240	EEELSTS LKRSVY
4831	095235	249	RSVYIESRIGTST
4832	095235	254	ESRIGHTSTSFDSG
4833	095235	268	AGLSSISQCTSSS
4834	095235	272	SISQCTSSSQLDE
4835	095235	273	ISQCTSSSQLDET
4836	095235	280	SQLDETSHRWAQP
4837	095235	304	RFSIWISFFEIYN
4838	095235	321	DLLEPPSQQRKRQ
4839	095235	405	PKISELSLCDLAG
4840	095235	412	LCDLAGSERCKDQ
4841	095235	433	AGNINTSLHTLGR
4842	095235	462	LVPFRDSKLTRVF
4843	095235	489	NVNPCASTYDETL
4844	095235	501	LHVAKFSAIASQL
4845	095235	505	KFSAIASQLVHAP
4846	095235	519	MQLGFPSLHSFIK
4847	095235	534	SLQVSPSLEKGAK
4848	095235	635	LKESLTSFYQEEI
4849	095235	670	AHQQSGSELALRR
4850	095235	685	RLAASASTQQLOQE
4851	095235	705	CKAELNSTTEELH
4852	095235	754	LQKLGESLQSAER
4853	095235	875	YARILRSRRSPLL
4854	095251	10	RKRNAGSSSDGTE
4855	095251	18	SDGTEDSDFSTDL
4856	095251	21	TEDSDFTDLEHT
4857	095251	30	LEHTDSSESDGTS
4858	095251	32	HTDSSES DGT SRR
4859	095251	36	SESDGTSRRSARV
4860	095251	45	SARVTRSSARLSQ
4861	095251	46	ARVTRSSARLSQS
4862	095251	99	PLRQTRS SGSETE
4863	095251	111	EQVVDFSDRETKN
4864	095251	135	PTGNAPS SES DID
4865	095251	136	TGNAPSSES DIDI
4866	095251	143	ESDIDIS SPNVSH
4867	095251	167	DSGSDLSHRPKRR
4868	095251	192	PTPGCNSLGHLTG
4869	095251	205	KHERHFSISGCPL
4870	095251	207	ERHFSISGCPLYH
4871	095251	216	PLYHNLSADECKV
4872	095251	273	LRKKRNSGLSKEQ
4873	095251	276	KRNSGLSKEQKEK
4874	095251	303	LLENLTSEYDLDL
4875	095251	377	CLKYMKSQTILRR
4876	095251	405	YRKGSISVFEVDG
4877	095251	466	FSKEKNSFLNYNV
4878	095251	473	FLNYNVSCILT MP
4879	095251	494	KMLIDFSYLLSKV
4880	095251	518	SDLGLISYRSYWK
4881	095251	545	ISIKEISQETAVN
4882	095251	592	AKEAKRSNSNKT M
4883	095251	594	EAKRSNSNKTMDP
4884	095251	601	NKTMDPSCLKWTP
4885	095267	15	EAPRKPSHGCR A

4886	095267	82	DGNLCRSNQLLQV
4887	095267	99	HRIVISSAELLQK
4888	095267	118	DALAKNSPGLCLK
4889	095267	145	MFKMDASLTDTME
4890	095267	180	INARDWSRKLTQR
4891	095267	192	RIKSNTSKKRKVS
4892	095267	198	SKKRKVSSLFDHL
4893	095267	210	LEPEELSEHLYL
4894	095267	225	KSFRRISFSDYQN
4895	095267	227	FRRISFSDYQNYL
4896	095267	255	ALCNGISQWVQLM
4897	095267	264	VQLMVLISRPTPQL
4898	095267	332	EMTELLSSSRNYD
4899	095267	333	MTELLSSSRNYDN
4900	095267	334	TELLSSSRNYDNY
4901	095267	391	ALYNHISSELVQLQ
4902	095267	446	APPLTPSKPPVVV
4903	095267	468	PDPKTISKHVQRM
4904	095267	501	FEKIAASFPPSFC
4905	095267	505	AASFPFSFCVMDK
4906	095267	530	AYFMRASSIYSKL
4907	095267	534	RASSIYSKLGLGF
4908	095267	607	PTENNTSVGPVSN
4909	095267	616	PVSNLCSLGAKDL
4910	095267	656	IMLMGVSSQKISL
4911	095267	657	MLMGVSSQKISLR
4912	095267	687	IGSEGPSGPVLS
4913	095267	708	TLYVLPSPTSPCP
4914	095267	711	VLPSPTSPCPSPV
4915	095267	736	KDSLIKSKHEELRH
4916	095267	778	AQKKIESLQLEKS
4917	095267	784	SLQLEKSNHVLAQ
4918	095278	98	EPGGELSWEGNPG
4919	095278	158	HQAMHYSRILPNI
4920	095278	168	PNIWLGSICPRQVE
4921	095278	202	WDIVQNSSGCNRY
4922	095278	203	DIVQNSSGCNRYP
4923	095278	237	MPTPDMSTEGRVQ
4924	095278	273	NAGVGRSTAACVG
4925	095297	16	VIAAPDSRRWLWS
4926	095297	22	SRRWLWSVLAAL
4927	095297	36	LLTAGVSALEVYT
4928	095297	62	LTCKFKSTSTTGG
4929	095297	64	CKFKSTS TTGGLT
4930	095297	71	TTGGLTSVWSFQ
4931	095297	73	GGLTSVWSFQPE
4932	095297	75	LTSVWSFQPEGA
4933	095297	86	GADTTVSFFHYSQ
4934	095297	91	VSFFHYSQGQVYL
4935	095297	108	PFKDRISWAGDLD
4936	095297	119	LDKKDASINIENM
4937	095297	184	GLTLLISMILAVL
4938	095297	196	LYRRKNSKRDYTG
4939	095297	204	RDYTGCSSESLS
4940	095297	206	YTGCSTSLSLSPV
4941	095297	208	GCSTSESLSPVVKQ
4942	095297	210	STSESLSPVQAP
4943	095297	219	KQAPRKSPSDTEG

4944	095297	221	APRKSPS <small>DTEGLV</small>
4945	095297	229	TEGLVK S LPSGSH
4946	095297	232	LVKSLP S GSHQGP
4947	095297	234	KSLPSG S HQGPVI
4948	095297	247	YAQLDH S GGHHSD
4949	095297	252	HSGGH S DKINKS
4950	095297	258	SDKINK S ESVVYVA
4951	095297	260	KINKSE S VVYADI
4952	095373	32	LNEAHK S LNFVST
4953	095373	37	KSLNFV S TLLQIT
4954	095373	45	LLQITM S EQLDLP
4955	095373	79	TAPGDI S PYTIPE
4956	095373	102	VEAIIH S PELIRV
4957	095373	124	IKHDYPS <small>RWTAV</small>
4958	095373	139	IGFYL S DNSACW
4959	095373	142	YLQSDNSACWLGI
4960	095373	168	KKPEERSPLVAAM
4961	095373	190	RFIQLL S DQSDQS
4962	095373	193	QLLSDQ S DQSVLI
4963	095373	282	GSPGNVSKEYNEF
4964	095373	334	YINQGV S HALTWK
4965	095373	388	VFEDFI S PTTAAQ
4966	095373	402	LLFTAC S KRKEVL
4967	095373	438	ALHMIG S LAEILL
4968	095373	466	HVFPLF S SELGYM
4969	095373	467	VFPLFSSELGYMR
4970	095373	490	CEVKFK S DQNLQT
4971	095373	570	KMICEYSEEVTPI
4972	095373	601	GPDEEG S DDKAVT
4973	095373	620	TIDTLL S VVEDHK
4974	095373	657	FYEEIFS <small>LAHSLT</small>
4975	095373	661	IFSLAH S LTCQQV
4976	095373	668	LTCQQV S PQMWQL
4977	095373	710	DTDTLL S DTKYLE
4978	095373	720	YLEMIYSMCKKVL
4979	095373	776	TREVKT S ELRTMC
4980	095373	858	QVLNQV S GQILPA
4981	095373	946	TALEGY <small>STI</small> IIDDE
4982	095373	1020	HGGYKFSAPVVPS
4983	095373	1026	SAPVVPSSFNFGG
4984	095373	1027	APVVPSFSNFGGP
4985	095453	35	GEFSGI S DGPSVS
4986	095453	39	GISDGPSVSALTN
4987	095453	61	QKLKKH S MDFLLF
4988	095453	87	SKYITK S FNFYVF
4989	095453	101	KPFNRSSPDVKFV
4990	095453	110	VKFVCQ S SSSIDFL
4991	095453	118	SIDFLASQGFDFN
4992	095453	160	NGAGALSYVSPNT
4993	095453	167	YVSPNT S KCPVTI
4994	095453	194	IEDLLQ S SEENKNL
4995	095453	218	LIYQTL S WKYPKG
4996	095453	280	IHAIAINSGKLVIG
4997	095453	309	PLPADL S EFKEMT
4998	095453	330	DTKLMASTQPFKD
4999	095453	342	DIINNT S LAELEK
5000	095453	368	SAEGFPSYDTASE
5001	095453	373	PSYDTA S EQLHEA

5002	095453	399	MANYLGSFLSPPK
5003	095453	402	YLGSFLSPPKIHV
5004	095453	412	IHVSARS K LIEPF
5005	095453	466	DLYQLFSAGNIQ
5006	095453	474	FGNIQI S WIDDTS
5007	095453	530	RKWTED S WKEADS
5008	095453	536	SWKEADS K RNPQ
5009	095453	562	NSFTAPS T VGKRN
5010	095453	570	VGKRNLS P SQEEA
5011	095453	572	KRNLSPS Q EAGL
5012	095453	583	GLEDGVS G EISDT
5013	095453	587	GVS G EIS D TELEQ
5014	095453	596	ELEQTDS C AEPLS
5015	095453	625	SPAGSI S KNSPAT
5016	095470	46	WQLIAWS V VWTLL
5017	095470	68	QPESLWS R FKKKC
5018	095470	100	KTKDDIS K NMSFL
5019	095470	104	DISKNMS F LVDK
5020	095470	118	YVKALPS Q GLSSS
5021	095470	122	LPSQGLSSSAVLE
5022	095470	123	PSQGLSSSAVLEK
5023	095470	134	EKLKEYS S MDAFW
5024	095470	135	KLKEYSS M DAFWQ
5025	095470	146	WQEGRAS G TVYSG
5026	095470	151	ASGTVYS G EELKT
5027	095470	170	YGDFAWS N PLHPD
5028	095470	194	IVRIACSLFNGGP
5029	095470	202	FNGGPDS C GCVTS
5030	095470	208	SCGCVTS S GGTESI
5031	095470	213	TSGGTE S ILMACK
5032	095470	240	EIVAPQS A HAAFN
5033	095470	277	AMRRAIS R NTAML
5034	095470	286	TAMLVC S TPQFPH
5035	095470	346	RVKGVT S ISADTH
5036	095470	348	KGVTS S ADTHKY
5037	095470	362	YAPKGSS L VLYSD
5038	095470	367	SSLVLYS D KKYRN
5039	095470	389	QGGIYAS P TIAGS
5040	095470	401	SRPGGI S AACWAA
5041	095470	432	TARFLK S SELENIK
5042	095470	455	SVIALGS R DFDIY
5043	095470	464	FDIYRLS N LMTAK
5044	095470	507	LKDIRE S VTQIMK
5045	095470	542	NMVAELS S VFLDS
5046	095470	543	MVAELSS V FLDSL
5047	095470	551	FLDSL Y STD T VTQ
5048	095470	559	DTVTQGSQMNGSP
5049	095477	107	IVARLFS D ARRLL
5050	095477	212	LGDQEVS E LCGLP
5051	095477	264	TKTLLHS L GTLAQ
5052	095477	305	QIYQAVS R IVCGH
5053	095477	420	GMWEELS P KIWT
5054	095477	523	VWLINKS M ELLDE
5055	095477	783	IFASLLS P VAFGF
5056	095477	870	YWFGEE S DEKSHP
5057	095477	969	DIRSEM S TIRQNL
5058	095477	1028	PSSKLKS K TSQLS
5059	095477	1114	KLCCVGS S LF L KN

5060	095477	1138	KKDVESS L SSCRN
5061	095477	1141	VESSLSS C RNSSS
5062	095477	1147	SCRNSSS T VSYLK
5063	095477	1150	NSSSTV S YLKKED
5064	095477	1240	ISSYGI S ETTLEE
5065	095477	1262	GVDAETS D GTLPA
5066	095477	1309	RETDLLS G MDGKG
5067	095477	1343	LLIARRS R KGFFA
5068	095477	1506	LTGRNI S DYLVKT
5069	095477	1520	VQIIAKS L KNKIW
5070	095477	1540	GFSLGV S NTQALP
5071	095477	1691	KHLQFIS G VKPVI
5072	095477	1731	QQKSYV S STNLPV
5073	095477	1782	FIGING S VATFVL
5074	095477	1805	INDILKS V FLIFP
5075	095477	1845	RFVSPLS W DLVGR
5076	095477	1953	VNGAGKS S TFKML
5077	095477	1976	AFLNKNS I LSNIH
5078	095477	2185	QLPSSLS S LARIF
5079	095477	2209	IEDYSVS Q TTLDQ
5080	095551	34	LCVEFAS V ASCDA
5081	095551	37	EFASVAS C DAAVA
5082	095551	60	MERALNS Y FEPPV
5083	095551	69	EPPVEE S ALERRP
5084	095551	79	RRPETI S EPKTYV
5085	095551	95	NEETTD S TTSKIS
5086	095551	98	TTDSTS T KISPSE
5087	095551	101	STTSKIS P SEDTQ
5088	095551	103	TSKIS P SEDTQQE
5089	095551	112	TQQENG S MFSLIT
5090	095551	115	ENGSMFS L ITWNI
5091	095551	130	LDLNNL S ERARGV
5092	095551	138	RARGVC S YLALYS
5093	095551	144	SYLALYS P DVIFL
5094	095551	159	VIPPYY S YLKKRS
5095	095551	165	SYLKKRS S NYEII
5096	095551	166	YLKKRS S NYEII
5097	095551	187	AIMLKK S RVKLKS
5098	095551	193	SRVKLKS Q EIIIPF
5099	095551	201	EIIIPF P STKMMRN
5100	095551	216	CVHVNVS G NELCL
5101	095551	225	ELCLMT S HLESTR
5102	095551	229	MTSHLE S TRGHAA
5103	095551	254	MQEAPES A TVIFA
5104	095551	303	WDTQMNS N LGIT
5105	095551	333	GHIIPRS L DLLGL
5106	095551	349	DCGRFPS D HWGILL
5107	095630	8	SDHGDVS L PPEDR
5108	095630	19	DRVRAL S QLGS
5109	095630	23	ALSQLGS A VEVNE
5110	095630	39	PRRYFRS G VEIIR
5111	095630	51	RMASIY S EEGNIE
5112	095630	82	KHRDYK S AVIPEK
5113	095630	204	PDLEKPS L DVFPT
5114	095630	214	FPTLT V SIQPSD
5115	095630	215	PTLT V SIQPSDC
5116	095630	219	VSSIQPS D CHTTV
5117	095630	236	PPVVDRS L KPGAL

5118	095630	272	QFLQLASANTARG
5119	095630	305	VLIPKQSAGSDYC
5120	095630	308	PKQSAGSDYCNT
5121	095630	345	TQTAFLSSVDLHT
5122	095630	346	QTAFLSSVDLHTH
5123	095630	354	DLHTHCSYQMMLP
5124	095630	362	QMMLPESVAIVCS
5125	095630	368	SVAIVCSPKFQET
5126	095630	388	HGLEEISSCRQKG
5127	095630	389	GLEIISSCRQKGF
5128	095630	399	KGFPHSKDPPLF
5129	095630	407	DPPLFCSCSHVT
5130	095630	409	PLFCSCSHVTVV
5131	095633	25	WAVGFVSSMGSGN
5132	095633	26	AVGFVSSMGSGNP
5133	095633	29	FVSSMGSGNPAPG
5134	095633	49	GQEATCSLVLQTD
5135	095633	64	RAECCASGNIDTA
5136	095633	72	NIDTAWSNLTHPG
5137	095633	98	CLPCKDSCDGVEC
5138	095633	126	ECAPDCSGLPARL
5139	095633	137	RLQVCGSDGATYR
5140	095633	160	RGHPDLSVMYRGR
5141	095633	170	RGRCRKSCEHVVC
5142	095633	181	VCPRPQSCVVDQT
5143	095633	189	VVDQTGSAHCVVC
5144	095633	204	APCPVPSSPGQEL
5145	095633	205	PCPVPSPGQELC
5146	095633	220	NNVTYISSCHMRQ
5147	095633	221	NVTYISSCHMRQA
5148	095633	234	TCFLGRSIGVRHA
5149	095633	242	GVRHAGSCAGTPE
5150	095644	39	AGGTMKSAEEHY
5151	095644	49	EHYGYASSNVSPA
5152	095644	63	PLPTAHSTLPAPC
5153	095644	151	LPSSKRSPSTATL
5154	095644	187	SCNSEASSYESNY
5155	095644	191	EASSYESNYSYPY
5156	095644	199	YSYPYASPQTSPW
5157	095644	233	ACTLLGSPRHSPS
5158	095644	256	SWLGARSSRPASP
5159	095644	257	WLGARSSRPASPC
5160	095644	310	TTQYTSSAIVAAI
5161	095644	335	DGVPVKSRKTTL
5162	095644	406	KPLSPTSYMSPTL
5163	095644	421	LDWQLPSHSGPYE
5164	095644	436	IEVQPKSHHRAHY
5165	095644	503	ITGKTVSTTSHEA
5166	095644	506	KTVSTTSHEAILS
5167	095644	512	SHEAILSNTKVLE
5168	095644	572	VHVPQPSGRTLSL
5169	095644	577	PSGRTLSSLQVASN
5170	095644	582	LSLQVASNPIECS
5171	095644	625	HNFLQDSSKVIFVE
5172	095644	742	MPPDPSSCLVAGF
5173	095644	832	VSAPPSSSCPPGL
5174	095644	833	SAPPSSCAPPGL
5175	095644	841	PPGLEHSLCPSSP

5176	095644	845	EHSLCPSSPSPPL
5177	095644	846	HSLCPSSPSPPLP
5178	095644	848	LCPSSPSPPPLPA
5179	095644	887	TVRRDESPTAGPR
5180	095644	903	EVHEDGSPNLAPI
5181	095714	69	DDSVEPSGTTKED
5182	095714	182	PVDKKSSRPAGKG
5183	095714	222	EDADLCSELLQES
5184	095714	228	SELLQESLDALRA
5185	095714	421	PTSHKGSLQEVIQ
5186	095714	628	ENGQVWSWGDGDY
5187	095714	909	ERARALSALLPCA
5188	095714	1036	VARRISSCLDFEQ
5189	095714	1078	GQTSDIS SPELMG
5190	095714	1299	PDLGSLSSPLITD
5191	095714	1343	LQSSIFSGGLQTS
5192	095714	1349	SGGLQTSQIHYSY
5193	095714	1354	TSQIHYSYNEEKD
5194	095714	1373	PGGTPASKSRLCS
5195	095714	1687	KNFLLPSVQYAMF
5196	095714	2173	INSQLRSITHSFV
5197	095714	2247	KITVQFSDMRTCR
5198	095714	2506	GWLLDHSDIQVTE
5199	095714	2719	MFPINGSRFKCRN
5200	095714	2763	AVFCGRSGKQLKR
5201	095714	2781	PGMLLDWSRMVK
5202	095714	2811	SEPCWQS SGSQGK
5203	095714	2847	DSSYMPSSLVVVSG
5204	095714	3160	IQVACGSRDAQTL
5205	095714	3241	FRLGHGS DVHVRK
5206	095714	3364	ADSSAASNKISGA
5207	095714	3574	VLSAVLSSGMGTAY
5208	095714	3647	EFDROCS TERRHD
5209	095714	4152	VDIACGS GDAQTL
5210	095714	4206	VKVECGS QFSVAL
5211	095714	4215	SVALTKSGAVYT W
5212	095714	4258	IAIATGS LHC VCC
5213	095714	4531	RAPVHSSMFRFLG
5214	095777	18	TVAVITS DGRMIV
5215	095777	41	NLILDESHERVFS
5216	095777	47	SHERVFSSSQGVE
5217	095777	48	HERVFSSSQGVEQ
5218	095777	49	ERVFSSSQGVEQV
5219	095777	79	IDEE TD S ALDLGN
5220	095785	202	EGLAQPS EWGLPT
5221	095785	225	TVNSEASVERLQP
5222	095785	391	KEPFGGSSGAGSP
5223	095785	402	SPSPEASALLYQP
5224	095785	416	GAAVGLSACVFCG
5225	095785	457	YEEDPASQPGTSQ
5226	095785	509	PGCQQQLS IRDFPL
5227	095785	543	LASTPYSLQLGRN
5228	095785	730	LNRVGVS YNVRHF
5229	095785	738	NVRHFIS AEEVKA
5230	095785	785	DTRAGLS SHARAH
5231	095785	817	QUELLATS AAEQPP
5232	095785	836	PGGPPGS FLTSRR
5233	095785	868	AYGDAQSLTTCEV

5234	095785	887	TRKGLSSHARSHL
5235	095785	891	LSSHARSHLRQLG
5236	095785	952	PRPGLLSSLAKPLD
5237	095785	968	VNKAIKSPPGFSA
5238	095785	973	KSPPGFSAKGLGH
5239	095785	983	LGHPPSSLKKKT
5240	095785	1010	DKSPQLSLSPRPA
5241	095785	1012	SPQLSLSPRPASP
5242	095785	1059	ENRKGLSSHARSH
5243	095785	1106	PNPPGPSPKALAK
5244	095785	1155	GHSPTASPPPTAR
5245	095785	1201	HGELHPSEGPWGA
5246	095785	1244	NRKGSSLHARSHL
5247	095785	1259	MGVTEWSVNGSPI
5248	095785	1394	EKTSHSSSTEACCE
5249	095785	1414	NRKALASHARAHL
5250	095785	1517	ERPLAASPPGTVK
5251	095785	1576	RVRPVPSLVPRPP
5252	095785	1629	ILEMNFSKADPPP
5253	095786	8	TTEQRRSLQAFQD
5254	095786	27	DPTYIILSYMAPWF
5255	095786	125	IPTDIISDLSECL
5256	095786	144	EILQICSTKGMMMA
5257	095786	207	EDKMETSDIQIFY
5258	095786	223	PECQNLSENSCPP
5259	095786	226	QNLSENSCPPSEV
5260	095786	233	CPPSEVSDTNLYS
5261	095786	274	CGKTFVSSLICEH
5262	095786	308	VYEQQKSVFSKYF
5263	095786	325	YRVTGISGATAEN
5264	095786	362	KKGTIPSLSIFTL
5265	095786	364	GTIPSLSIFTLMI
5266	095786	378	DECHNTSKQHPYN
5267	095786	411	VIGLTASVGVGDA
5268	095786	433	ICKLCASLDASVI
5269	095786	465	FFRKVESRISDKF
5270	095786	497	KDLENLSQIQNRE
5271	095786	532	PDKDEESRICKAL
5272	095786	555	NDALIISEHARMK
5273	095786	599	KLQELESVSRDPS
5274	095786	601	QELESVSRDPSNE
5275	095786	654	EGNPKLSFLKPGI
5276	095786	688	LDAFKASGDHNIL
5277	095786	698	NILIATSVADEGI
5278	095786	764	EKMMNDSILRLQT
5279	095786	793	EKFIRDSQEKPKP
5280	095786	844	FKECFVSRPHPKP
5281	095786	870	CARQNCSSHWDGIH
5282	095786	891	PVIKIESFVVEDI
5283	095786	906	GVQTLYSWKDFH
5284	095810	16	KFQHPGSDMRQEK
5285	095810	24	MRQEKPSSPSPMP
5286	095810	27	EKPSSPSPPSST
5287	095810	32	PSPMPSSTPSPSL
5288	095810	35	MPSSTPSPSLNLG
5289	095810	89	QISLEGSVKGIQN
5290	095810	106	LSKYQASTSNTVS
5291	095810	108	KYQASTSNTVSKL

5292	095810	112	STSNTV S KLLEKS
5293	095810	169	ENEIPAS V FVKQP
5294	095810	177	FVKQP V S GAVEGK
5295	095810	192	LPDENK S LEETLH
5296	095810	204	HTVDLSS DD DLPH
5297	095810	226	EEKVEE S RAEKIK
5298	095810	235	EKIKRSS L KKVDS
5299	095810	241	SLKKV D SLKKAFS
5300	095810	264	LGTKIV S VERREK
5301	095810	274	REKIKK S LTSNHQ
5302	095810	277	IKKSLT S NHQKIS
5303	095810	283	SNHQK I SSGKSSP
5304	095810	284	NHQKISS G KSSPF
5305	095810	287	KISSG K SPFKVS
5306	095810	288	ISSGK S PFKVSP
5307	095810	307	KVREGES H AENET
5308	095810	320	KSEDLPS S EQMPN
5309	095810	332	NDQEES F AEGHS
5310	095810	338	SFAEGH S EA LAS
5311	095810	344	SEASLA S ALVEGE
5312	095810	361	AAEKAT S RGSNSG
5313	095810	364	KATSRG S NSGMDS
5314	095810	366	TSRGSNS G MDSNI
5315	095810	384	EDEEEE S VALEQA
5316	095810	398	KVRYEG S YALTSE
5317	095835	45	RNL SKP S DAAKAE
5318	095835	58	HNMSKMS T EDPRQ
5319	095835	84	LQEIRN S LLPFAN
5320	095835	130	QKTNNR S IEAAIE
5321	095835	139	AAIEF I S KMSYQD
5322	095835	204	VAYHSE S PNSQTD
5323	095835	216	DVGRPL S SGGISA
5324	095835	218	GRPLSG S GISAFV
5325	095835	244	PPPQVR S VTPPP
5326	095835	289	YVISRI S PVPPGA
5327	095835	308	PPPLNT S PMNPPN
5328	095835	322	GQRGISS V PVGRQ
5329	095835	425	MELYN I SVPGLQT
5330	095835	438	NWPQSS S APAQSS
5331	095835	446	PAQSSP S SGHEIP
5332	095835	482	SANSQPSATTVTA
5333	095835	569	LLHQNP S VPPYES
5334	095835	635	SRIQS Y S PQAFKF
5335	095835	690	MLCQKE S NYIRLK
5336	095835	703	RAKMDK S MFVKIK
5337	095835	771	VVRLYY S FQDKDN
5338	095835	803	MGIFPE S LARFYI
5339	095835	818	LTCAV E S VHKMGF
5340	095835	859	FRWTHD S KYYQSG
5341	095835	876	QDSMDF S NEWGDP
5342	095835	884	EWGDP S CRCGDR
5343	095835	968	VINWQT S LHIPPO
5344	095835	1016	FKTIDF S SDLRQQ
5345	095835	1017	KTIDF S SDLRQQS
5346	095835	1037	THPTDT S NFDPVD
5347	095835	1107	YINSQG S EQQSDE
5348	095863	20	NRKP NY S ELQDSN
5349	095863	25	YSELQD S NP EFTF

5350	095863	55	I LNPTA\$LPMLIW
5351	095863	63	PMLIWD\$VLAPQA
5352	095863	76	QPIAWASLRLQES
5353	095863	90	RVAELT\$LSDEDS
5354	095863	112	PSPAPSSFSSTSV
5355	095863	114	PAPSSF\$STS VSS
5356	095863	117	SSFSSTS VSSLEA
5357	095863	120	SSTS VSSLEAEAY
5358	095863	143	KQLAQI\$EAKDLQ
5359	095863	165	CNKEYL\$LGALKM
5360	095863	175	LKMHIR\$HTLPCV
5361	095863	190	TCGKAF\$RPWLLQ
5362	095863	209	TGEKPF\$CPHCSR
5363	095863	214	FSCPHC\$RAFADR
5364	095863	221	RAFADRSNLRAHL
5365	095863	231	AHLQTH\$DVKKYQ
5366	095863	249	RTFSRMS\$LLHKHQ
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5368	095866	22	QGNPGAS\$LDGRPG
5369	095866	34	GDRVNL\$CGGVSH
5370	095866	39	LSCGGV\$HPIRWV
5371	095866	49	RWVWAPS\$FPACKG
5372	095866	57	PACKGL\$KGRRPI
5373	095866	67	RPI LWAS\$SGTPT
5374	095866	68	PILWASS\$SGTPTV
5375	095866	69	ILWASS\$GTPTVP
5376	095866	86	FVGRLR\$LDGIR
5377	095866	89	RLRSLD\$GIRRLE
5378	095866	99	RLELLL\$AGDSGT
5379	095866	103	LLSAGD\$GTFFCK
5380	095866	116	GRHEDE\$RTVLHV
5381	095866	138	PGPTHGSVYPQLL
5382	095866	208	DLDQEPI\$LLYADL
5383	095866	220	LDHLAL\$RPRRLS
5384	095866	226	SRPRRL\$TADPAD
5385	095972	31	MAEGGQ\$SI ALLA
5386	095972	32	AEGGQ\$SI ALLAE
5387	095972	52	EELLEES\$PGEQPR
5388	095972	66	PRLLGH\$LR YMLE
5389	095972	77	LELYRR\$ADSHGH
5390	095972	80	YRRSADS\$GHGPRE
5391	095972	149	LTRFNL\$CHVEPW
5392	095972	166	PTNHFP\$SEG DSS
5393	095972	167	TNHFP\$SEG DSSK
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5395	095972	172	SSEGDS\$KP SLMS
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5397	095972	178	SKPSLMSNAWKEM
5398	095972	215	CQQQKD\$GGLELW
5399	095972	225	ELW HGT\$SLDIAF
5400	095972	226	LW HGT\$SLDIAFL
5401	095972	242	FNDTHKS\$IRKA KF
5402	095972	261	EFMERES\$LLR RTR
5403	095972	279	SAEVTA\$SSKHSG
5404	095972	280	AEVTA\$SSKHSGP
5405	095972	281	EVTASS\$KHSGPE
5406	095972	284	ASSSKH\$GPENNQ
5407	095972	292	PENNQC\$LHPFQI

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5418	095997	74	NRATEKS VTKGP
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5423	095997	107	KSSVPAS DDAYPE
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5428	095997	181	ESNLLQSP SSSILS
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5431	095997	187	SPSSILS TLDVEL
5432	096013	12	KKRVEISAPS NFE
5433	096013	15	VEISAPS NFEHRV
5434	096013	46	QSLIEESARRPKP
5435	096013	61	DPACITS IQPGAP
5436	096013	74	KTIVRGSKGAKDG
5437	096013	93	DEFENMS VTRSNS
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5439	096013	99	SVTRSNS LRRDSP
5440	096013	134	GPGKAGS RGRFAG
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5444	096013	173	SGGPQES SRDKRP
5445	096013	217	ADTDHPS RGAQGE
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5448	096013	243	LAI PQSSSSSSRP
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5450	096013	245	IPQSSSSSSRPPT
5451	096013	246	PQSSSSSSRP PTR
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5454	096013	343	IATVRSS GKLVA V
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5456	096013	443	IHRDIKS DSILLT
5457	096013	445	RDIKSDS ILLTHD
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5459	096013	466	GFCAQVS KEVPRR
5460	096013	500	PEVDIWS LGIMVI
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5462	096013	580	KAGPPAS IVPLMR
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5465	096017	19	HGSSAC SQPHGSV

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5468	096017	31	VTQSQGSSSQSQG
5469	096017	32	TQSQGSSSQSQGI
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5493	096017	518	LAQPSTSRSRKPRE
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5496	096019	86	ENMEAISPLKNGM
5497	096019	98	MVEDWDSFQAILD
5498	096019	113	YKMHVKSEASLHP
5499	096019	116	HVKSEASLHPVLM
5500	096019	123	LHPVLMSEAPWNT
5501	096019	165	AFANGRSTGLILD
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5517	096019	375	SQKTPPSMRKL
5518	096019	392	TVERRFSSWIGGS
5519	096019	393	VERRFSSWIGGSI
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5521	096019	402	GGSILASLGT
5522	096019	412	FQQMWISKQEYEE
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5825	P00736	675	VATGIV SWGIGCS
5826	P00736	681	SWGIGCS RGYGFY
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6216	P01148	22	WCVEGCSSSQHWSY
6217	P01148	23	CVEGCSSQHWSYG
6218	P01148	27	CSSQHWSYGLRPG
6219	P01148	44	AENLIDS FQEIVK

6220	P01148	70	TTHQPRSPLRDLK
6221	P01148	81	LKGALESLIEEET
6222	P01185	17	LGLLAFFSACYFQ
6223	P01185	18	GLLAFFSACYFQN
6224	P01185	34	GGKRAMSDLELRQ
6225	P01185	56	GRCFGPSICCADE
6226	P01185	83	EENYLPSPCQSGQ
6227	P01185	87	LPSPCQSGQKACG
6228	P01185	94	GQKACGSGGRCAA
6229	P01185	109	VCCNDESCTVEPE
6230	P01185	127	HRRARASDRSNAT
6231	P01185	130	ARASDRSNATQLD
6232	P01189	9	RSCCSRSGALLA
6233	P01189	21	ALLLQASMEVRGW
6234	P01189	31	RGWCLESQCQDL
6235	P01189	32	GWCLESSQCQDLT
6236	P01189	41	QDLTTESNLLECI
6237	P01189	55	ACKPDLSAETPMF
6238	P01189	92	RGGRNNSSSGSS
6239	P01189	93	FGRRNNSSSGSSG
6240	P01189	94	GRRNSSSGSSGA
6241	P01189	95	RRNSSSSGSSGAG
6242	P01189	97	NSSSSGSGAGQK
6243	P01189	98	SSSSGSSGAGQKR
6244	P01189	108	QKREDVSAGEDCG
6245	P01189	125	GGPEPRSDDGAKPG
6246	P01189	138	PREGKRSYSMEHF
6247	P01189	140	EGKRSYSMEHFRW
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6249	P01189	208	QADLEHSLLVAE
6250	P01189	230	EHFRWGSPPKDKR
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6252	P01189	246	FMTSEKSQTPLVT
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6254	P01236	18	LLLLLVSNLLLQ
6255	P01236	25	NLLLCQSVAPLPI
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6257	P01236	66	LSSEMFSEFDKRY
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6259	P01236	89	INSCHTSSLATPE
6260	P01236	90	NSCHTSSLATPED
6261	P01236	110	NQKDFLSSLIVSIL
6262	P01236	114	FLSLIVSILRSWN
6263	P01236	142	APEAILS KAVEIE
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6265	P01236	183	VWSGLPSLQMADE
6266	P01236	191	QMADEESRLSAYY
6267	P01236	207	HCLRRDSHKIDNY
6268	P01241	8	ATGSRTSLLLAFG
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6270	P01241	33	FPTIPLSRLFDNA
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6272	P01241	77	LQNPQTSLCFSES
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6274	P01241	83	SLCFSES IPTPSN
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6279	P01241	121	PVQFLRS VFANSL
6280	P01241	126	RSVFANS LVY GAS
6281	P01241	134	VYGASD SNVY DLL
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6283	P01241	170	IFKQTY SKFD TNS
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6285	P01258	22	VLLQAGS LHAAPF
6286	P01258	30	HAAPFR SALESSP
6287	P01258	34	FRSALES SPADPA
6288	P01258	35	RSALESS PADPAT
6289	P01258	43	ADPATL SEDEARL
6290	P01258	64	YVQMKA SELEQEQ
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6294	P01258	82	SLDSPRS KRCGNL
6295	P01258	89	KRCGNL STCMLGT
6296	P01258	123	GKKRDMS SDLERD
6297	P01258	124	KKRDMS SDLERDH
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6299	P01266	289	RFLAVQ SVISGRF
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6301	P01266	734	TPCQLQS EQAFLR
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6303	P01266	887	GSYSDF STPLAHF
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6305	P01266	1067	GSLTARS LQIPQC
6306	P01266	1088	TSGLLSS WKQARS
6307	P01266	1094	SWKQARS QENPSP
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6311	P01266	1433	GDHFGT SPRTWFG
6312	P01266	1450	FYQVLT SEASQDG
6313	P01266	1619	CSFFT VS TTEPEI
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6315	P01266	1824	VYLWKDS DMGSRP
6316	P01266	1828	KDSDMGS RPESMG
6317	P01266	1832	MGSRP E SMGCRKD
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6319	P01266	2050	RILD CGSPDIEVH
6320	P01266	2083	PLVVLPS L TEKVS
6321	P01266	2121	VSTAAT SNFS AVR
6322	P01266	2297	NVAPNA S VLVFFH
6323	P01266	2344	GVFGFLS SGSGEV
6324	P01266	2425	SPA AVI S HERAQQ
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6327	P01266	2546	YQALQNS LGGEDS
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6329	P01266	2728	ISSLKTS SADGAKG
6330	P01266	2740	GGQSAE S EEEELT
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6334	P01275	32	TEEK SRSFSASQA
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6345	P01275	150	RRHADGSFSDEMN
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6363	P01282	157	LNGKRSSEGESPD
6364	P01282	161	RSSEGESPDFPEE
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6382	P01303	82	DLLMRESTENVPR
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6387	P01350	73	HLVADPSKKQGPW
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6392	P01579	74	MQSQIVSFYFKLF
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6394	P01579	92	DQSIQKSVETIKE
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6396	P01579	122	EKLTNYSVTDLNV
6397	P01579	144	QVMAELS PAAKTG
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6417	P01700	72	GSKSGT SASLAIS
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6419	P01700	78	SASLAIS GLRSED
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6439	P01772	23	SLRLSCS SSGFIF
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6447	P01772	75	TISRDNS KNTLFL
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6455	P01814	32	GFSLSTSRMRVSW
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6476	P02008	36	LERLFLLSHPQTKT
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6479	P02008	73	VGDAVKSI DDIGG
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6490	P02511	66	WFDTGLSEMRL
6491	P02511	76	LEKDRFSVNLDVK
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6494	P02511	135	DPLTITS SLSSDG
6495	P02511	136	PLTITSS LSSDG
6496	P02511	138	TITSSLSS DGVLTV
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6501	P02545	66	RLRITE SEEVVSR
6502	P02545	71	ESEEVVS REVSGI
6503	P02545	75	VVSREVSGIKAAY
6504	P02545	107	RLQLELS KVREEF
6505	P02545	153	ALSTALSK EKRTLE
6506	P02545	239	KQREFES RLADAL
6507	P02545	295	HEELQQS RIRIDS
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6512	P02545	423	KKRKLESSTESRSS
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6516	P02545	507	GAGATHSPPTDLV
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6519	P02545	568	LHHHHGSHCSSSG
6520	P02545	571	HHGSHCSSSGDPA
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6523	P02545	613	VGGPISSGSSASS
6524	P02545	615	GPISSGSASSVT
6525	P02545	618	SSGSSASSVTVTR
6526	P02545	619	SGSSASSVTVTRS
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6529	P02545	651	SYLLGNSSPRTQS
6530	P02647	16	VLFLTGSQARHFW
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6537	P02647	82	SVTSTFSKLREQL
6538	P02647	111	GLRQEMSKDLEEV
6539	P02647	166	ELQEKLSPLGEEM
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6556	P02649	281	FQARLKSWFEPLV
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6559	P02652	32	KEPCVESLVSQYF
6560	P02652	35	CVESLVSQYFQTV
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6562	P02652	88	ELVNFLSYFVELG
6563	P02671	12	IVCLVLSVVGTAW
6564	P02671	131	NTYNRVSEDLRSR
6565	P02671	179	IDIKIRSCRGSCS
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6567	P02671	215	AKDLLPSRDRQHL

6568	P02671	274	EITRGGS T SYGTG
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6571	P02671	299	GWNNSGS S GPGST
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6581	P02671	549	ETESRG S ESGIFT
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6583	P02671	562	NTKESS S HHPGIA
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6590	P02671	668	YCDQETS L GGWLL
6591	P02671	698	YKRGFGS L NDEGE
6592	P02671	826	IYYPGGS Y DPRNN
6593	P02671	833	YDPRNNNS P YEIEN
6594	P02675	8	KRMVWS S FHKLKT
6595	P02675	30	CVFLVKS Q GVNDN
6596	P02675	42	NEEGFFS A RGHRP
6597	P02675	58	KREEAPS L RPAPP
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6612	P02675	230	RTPCTV S CNIPVV
6613	P02675	237	CNIPVVS G KECEE
6614	P02675	252	RKGGET S EMYLIQ
6615	P02675	261	YLIQPDS S VKPYR
6616	P02675	262	LIQPDS S VKPYRV
6617	P02675	289	QRQDG S VDFGRK
6618	P02675	330	LGNDKIS Q LTRMG
6619	P02675	371	ANKYQIS V NKYRG
6620	P02675	388	ALMDGASQLMGEN
6621	P02675	406	HNGMFFS T YDRDN
6622	P02675	418	NDGWLTS D PRKQC
6623	P02675	425	DPRKQCS K EDGGG
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6628	P02679	22	ALLFLSSTCVAYV
6629	P02679	43	LDERFGSYCPTTC
6630	P02679	56	GIADFLSTYQTKV
6631	P02679	81	QVENKTSEVKQLI
6632	P02679	99	TYNPDES SKPNMI
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6634	P02679	112	DAATLKS RKMLEE
6635	P02679	125	IMKYEAS ILTHDS
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6645	P02679	284	DWNGRTS TADYAM
6646	P02679	326	DFGDDPS DKFFTS
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6655	P02686	26	ETNRGESEKKRNL
6656	P02686	36	RNLGELS RTTSED
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6661	P02686	87	HPADPGSRPHLIR
6662	P02686	96	HLIRLFSD RAPGR
6663	P02686	112	TFKDRPSES DELQ
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6670	P02686	153	KYLATAS TMDHAR
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6673	P02686	210	GSLPQKSH GRTQD
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6678	P02686	270	RASDYKSAHKGFK
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6682	P02730	127	LDLQET SLAGVAN
6683	P02730	185	TRSGDPS QPLLPO

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6794	P02751	2240	QCLGFGSGHFRCD
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6818	P02766	43	LDAVRGS P AINVVA
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6826	P02766	135	ALLSPY S YSTTAV
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6836	P02768	256	AEFAEV S KLVTDL
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6879	P02771	576	AVIADFS GLLEKC
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6906	P02786	460	SAGDFGS VGATEW
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7088	P04001	256	AKQQKESESTQKA
7089	P04001	258	QQKESES TQKAEK

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7093	P04001	349	DGSELSS ASKTEV
7094	P04001	351	SELSS ASKTEVSS
7095	P04001	356	ASKTEVS SVSSVS
7096	P04004	23	ALADQES CKGRCT
7097	P04004	45	QCDELCS YYQSCC
7098	P04004	49	LCSYYQS CCTDYT
7099	P04004	97	EQVGGPS LTSDLQ
7100	P04004	100	GGPSLTS DLQAQS
7101	P04004	106	SDLQAQS KGNPEQ
7102	P04004	157	AEEELCS GKPFD A
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7104	P04004	225	TYLFKG S QYWRFE
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7106	P04004	264	LALPAHS YSGRER
7107	P04004	266	LPAHS YSGRERVY
7108	P04004	289	QFQHQPS QEECEG
7109	P04004	296	QEECEGS SLSAVF
7110	P04004	297	EECEGSS LSAVFE
7111	P04004	299	CEGSSL S AVFEHF
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7114	P04004	357	AGRIYI S GMAPRP
7115	P04004	364	GMAPRPS LAKKQR
7116	P04004	381	NRKGYRS QRGHSR
7117	P04004	386	RSQRGHS RGRNQN
7118	P04004	393	RGRNQNS RRPSRA
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7120	P04004	406	TWL SLFS SEESNL
7121	P04004	407	WLSLFS SEESNLG
7122	P04004	410	LFSSEE SNLGANN
7123	P04004	435	TCEPIQSVFFFSG
7124	P04004	440	QSVFFFSG DKYYR
7125	P04004	464	DPPYPRS IAQYWL
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7127	P04070	25	TPAPLDS VFSSSE
7128	P04070	28	PLDSVFS SSERAH
7129	P04070	29	LDSVFS SSERAHQ
7130	P04070	30	DSVFSS SERAHQV
7131	P04070	45	IRKRANS FLEELR
7132	P04070	53	LEELRH S SLERE C
7133	P04070	54	EELRH S SLERE CI
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7135	P04070	103	LEHPCAS LCC GHG
7136	P04070	117	CIDGIGS FSCDCR
7137	P04070	119	DGIGSF S CDCRSG
7138	P04070	124	FSCDCRS GWEGRF
7139	P04070	136	FCQREVS FLNCSL
7140	P04070	161	VGWRRCS CAPGYK
7141	P04070	195	RMEKKRS HLKRD T
7142	P04070	223	MTRRGDS PWQVVL
7143	P04070	232	QVVL L DS KKKLAC
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7152	P04070	382	VMSNMVSENMLCA
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7154	P04070	409	GGPMVASFHGTWF
7155	P04070	421	FLVGLVSWGEGCG
7156	P04070	439	GVYTKVSRYLDWI
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7164	P04075	176	VLARYASICQQNG
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7168	P04075	276	FLSGGQSEEASI
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7183	P04083	189	LAKGDRSEDFGVN
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7190	P04083	322	QKMYGISLCQAIL
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7192	P04090	26	SRAVADSWMEEVI
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7194	P04090	53	CGMSTWSKRSLSQ
7195	P04090	56	STWSKRSLSQEDA
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7207	P04090	165	KKRQLYS A LANKC
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7209	P04114	223	PIRTGIS P LALIK
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7213	P04114	671	NYLPKES S MLKTTL
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7215	P04114	851	QLQISSSGVIA P G
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7219	P04114	1449	LGNNPVS K GLLIF
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7224	P04114	2172	NFNEKLS Q LQTYM
7225	P04114	2429	LIKKL K SFDYHQF
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7228	P04114	2924	HIAWTSSGKG W K
7229	P04114	2978	QLLVYES G SLNFS
7230	P04114	2990	SKLEIQ S QVDSQH
7231	P04114	3360	AELFNQS D IVAHL
7232	P04114	3494	SYFSIES S TKGDV
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7235	P04114	4027	KWNFYY S PQSSPD
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7242	P04150	71	FPKGSV S NAQQPD
7243	P04150	83	DLSKAVS L SMGLY
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7247	P04150	241	FLLEGNS N EDCKP
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7249	P04150	269	LVLSSPS N VTLPQ
7250	P04150	305	TVYCQAS F PGANI
7251	P04150	317	I I IGNKMS A SVHG
7252	P04150	320	NKMSAI S VHG V ST
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7254	P04150	340	YDMNTAS L SQQQD
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7256	P04150	394	VFSNGY S SPSMRP
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7269	P04150	708	VKREGNSSQNWQR
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7272	P04179	27	GSRQKHS\$LPDLPY
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7319	P04198	149	AGSTAQS\$PGAGAA
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7321	P04198	211	VPAAPAS\$APAAGP

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7324	P04198	255	HKALSTSGEDTLS
7325	P04198	287	TVEKRRSSSNTKA
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7333	P04198	369	IIPPKAKSLSPRNS
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7339	P04198	432	ATEYVHSLQAEHH
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7341	P04264	18	RSGGGFSSGSAGI
7342	P04264	33	YQRRTTSSTRRS
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7344	P04264	47	GGGGRFSSCGGGG
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7355	P04264	399	NSKIEISELNRFVI
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7365	P04264	551	GGGGGRGSYGSIGGS
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7367	P04264	583	SYGSIGGSYGYRG
7368	P04264	584	YGSIGGSYGYRG
7369	P04264	598	GGGGGGSSGGRGS
7370	P04264	608	RGSIGGSYGSIGG
7371	P04264	612	GGSSIGGSIGGRGS
7372	P04264	620	GGRGSSSGGVKSS
7373	P04406	25	TRAAFNSGKVDIV
7374	P04406	51	YMFQYDSTHGKFH
7375	P04406	98	AEYVVESTGVFTT
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7377	P04406	143	HEKYDNSLKIISN
7378	P04406	192	KTVDGPSGKLWRD
7379	P04406	210	QNIIPASTGAAKA

7380	P04406	266	KVVVKQASSEGPLKG
7381	P04406	283	TEHQVVSDFNSD
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7383	P04406	288	VSSDFNSDTHSST
7384	P04406	292	FNSDTHSSTFDAG
7385	P04406	293	NSDTHSSSTFDAGA
7386	P04406	321	DNEFGYSNRVVDL
7387	P04424	27	MEKFNASIAYDRH
7388	P04424	42	EVDVQGSKAYSRG
7389	P04424	83	GTFKLNSNDEDIH
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7391	P04424	130	WMRQTCSTLSGLL
7392	P04424	133	QTCSTLSGLLWEL
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7394	P04424	175	WSHWILSHAVALT
7395	P04424	184	VALTRDSERLLEV
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7398	P04424	234	NSMDATSERDFVA
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7406	P04424	292	QKKNPDSLLEIIRS
7407	P04424	298	SLELIIRSKAGRVF
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7460	P04629	139	KTVQGLS LQELVL
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7462	P04629	153	GNPLHCS CALRWL
7463	P04629	190	AHMPNAS CGVPTL
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7465	P04629	235	LTELEQS ATVMKS
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7468	P04629	287	NVSFPAS VQLHTA
7469	P04629	304	HWCIPFS VDGQPA
7470	P04629	326	SVLNETS FIFTEF
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7490	P04632	95	NIEANE SEEVRQF
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7492	P04632	146	GIDTCRS MVAVMD
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7496	P04632	192	SGTICSS S ELPGAF
7497	P04632	218	MIIRRY S DESGNM
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7499	P04632	231	DFDNFIS I CLVRLD
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7508	P04637	121	HSGTAK S VTCTYS
7509	P04637	127	SVTCTY S PALNKM
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7515	P04637	240	YNYM CNS SCMGGM
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7519	P04637	303	HELPPG S TKRALP
7520	P04637	313	ALPNNT S SPQPK
7521	P04637	314	LPNNT S SPQPKK
7522	P04637	362	GKEPGGSRAHSSH
7523	P04637	366	GGSRAHS H SHLKS K
7524	P04637	367	GSRAHSS H HLKS K
7525	P04637	371	HSSHLK S KKGQST
7526	P04637	376	KSKKGQ S TSRHKK
7527	P04637	378	KKGQST S RHKKLM
7528	P04745	18	FCWAQY S SNTQQG
7529	P04745	19	CWAQY S SNTQQGR
7530	P04745	27	TQQGRT S IVHLFE
7531	P04745	58	FGGVQVS S PPNENV
7532	P04745	81	ERYQPVS S YKLCTR
7533	P04745	88	YKLCTR S GNEDEF
7534	P04745	123	MCGNAVSAGTSST
7535	P04745	127	AVSAGT S STCGSY
7536	P04745	128	VSAGT S STCGSYF
7537	P04745	132	TSSTCG S YFNPGS
7538	P04745	138	SYFNPGS R DFPAV
7539	P04745	147	FPAVPY S GWDFND
7540	P04745	160	GKCKTG S DIENY
7541	P04745	178	VRDCRLS G LLDLA
7542	P04745	192	GKDYVRSKIAEYM
7543	P04745	214	GFRIDAS K HMWPG
7544	P04745	234	KLHNLN S NWFPEG
7545	P04745	241	NWFPEG S KPFIYQ
7546	P04745	259	GGEPIK S SDYFGN
7547	P04745	260	GEPIK S DYFGNG
7548	P04745	290	WNGEKMS Y LNWG
7549	P04745	304	GWGFMP S DRALVF
7550	P04745	326	HGAGGAS I LTFWD
7551	P04745	355	GFTRVMS S YRWPR
7552	P04745	356	FTRVM S YRWPRY
7553	P04745	429	NWYDNG S NOVAFG

7554	P04745	452	NDDWTF S LTLQTG
7555	P04745	469	TYCDV I S G DKING
7556	P04745	485	GIKIY V S DDGKAH
7557	P04745	493	DGKAHF S I SNSAE
7558	P04745	495	KAHFS I SNSAEDP
7559	P04745	497	HFSISNSAEDPFI
7560	P04792	9	ERRVPF S LLRGPS
7561	P04792	43	RLPEEWSQWLGGS
7562	P04792	49	SQWLGG S WP G YV
7563	P04792	50	QWLGG S WP G YVR
7564	P04792	74	VAAPAY R ALS R Q
7565	P04792	135	DEHGYI S RCFTRK
7566	P04792	154	VDPTQV S SSLSPE
7567	P04792	155	DPTQV S SSLSPEG
7568	P04792	156	PTQV S SSLSPEGT
7569	P04792	158	QVSSSL S PEGTLT
7570	P04792	176	PKLATQSNEITIP
7571	P04792	187	IPVTFE S RAQLGG
7572	P05060	8	QPTLLL S LLGAVG
7573	P05060	20	GLAAVN S MPVDNR
7574	P05060	42	CIEVL S NALSKS
7575	P05060	46	VLSNAL S KSSAPP
7576	P05060	48	SNALSK S SAPPIT
7577	P05060	49	NALSK S SAPPITP
7578	P05060	64	RQVLKT S RKDVKD
7579	P05060	98	ASEAHE S SSRGEA
7580	P05060	140	ADEPQW S LYPSDS
7581	P05060	144	QWSLYP S DSQVSE
7582	P05060	157	EVKTRH S EKSQRE
7583	P05060	182	GERGED S SEEKHL
7584	P05060	206	NERKQASAIKKEE
7585	P05060	217	EELVARSETHAAG
7586	P05060	231	SQEKT H SREKSSQ
7587	P05060	235	THSREK S SQESGE
7588	P05060	236	HSREK S SQESGEE
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7590	P05060	245	SGEET G SQENHPQ
7591	P05060	253	ENHPQ E SKGQPRS
7592	P05060	272	GEEDAT S EV D KRR
7593	P05060	298	RSSQGG S LPSEEK
7594	P05060	301	QGGSLP E EEKGHP
7595	P05060	314	QEESEESNVSMAS
7596	P05060	317	SEESNV S MASLGE
7597	P05060	320	SNVSMAS L GEKRD
7598	P05060	329	EKRDHHS T HYRAS
7599	P05060	391	DKRNYP S LELDKM
7600	P05060	432	PRAYFMSDTREEK
7601	P05060	508	QDKQYSS H HTAEK
7602	P05060	577	WEKKPF S EDVNWG
7603	P05067	54	QNGKW D PSGTCK
7604	P05067	57	KWDSDP S GTKTCI
7605	P05067	124	LVGEFV S DALLVP
7606	P05067	159	VAKETC S EKSTNL
7607	P05067	162	ETCSEK S TNLHDY
7608	P05067	193	CPLAEE S DNVDSA
7609	P05067	221	TDYADG S EDKVVE
7610	P05067	271	ATERTT S IATT
7611	P05067	282	TTTTTE S VEEVVR

7612	P05067	292	VVREVC S SEQAETG
7613	P05067	305	PCRAMIS R WYFDV
7614	P05067	343	CMAVCG S AMSQSL
7615	P05067	346	VCGSAMS Q SLKLT
7616	P05067	348	GSAMS Q SLKTTQ
7617	P05067	370	LPTTA A STPDAVD
7618	P05067	407	KHRERMS Q VMREW
7619	P05067	528	KAAQIR S QVMTHL
7620	P05067	544	YERMN Q SLSLLYN
7621	P05067	546	RMNQSL S LLYNVP
7622	P05067	573	QKEQNY S DDVLAN
7623	P05067	582	VLANM I SEPRISY
7624	P05067	587	I E PRISY G NDAL
7625	P05067	596	NDALMP S LTTETKT
7626	P05067	614	PVNGEF S LDDLQP
7627	P05067	623	DLQPWHS F GADSV
7628	P05067	628	HSFGADS V PANTE
7629	P05067	656	LTTRPG S GLTNIK
7630	P05067	667	IKTEE I SEVKMDA
7631	P05067	679	AEFRHDS G YEVHH
7632	P05067	697	FAEDVG S NKGAI I
7633	P05067	750	PEERHLS K MQQNG
7634	P05090	9	MLL LL LSALAGLF
7635	P05090	67	CIQANY S LMENGK
7636	P05090	110	KLEVKF S WFMPSA
7637	P05090	115	FSWFMP S APYWIL
7638	P05090	133	NYALVY S CTCIIQ
7639	P05090	162	PPETVDS L KNILT
7640	P05090	169	LKNILT S NNIDVK
7641	P05106	37	CTTRGV S SCQQCL
7642	P05106	46	QQCLAV S PMCAWC
7643	P05106	85	SIEFPV S EARVLE
7644	P05106	104	KGSGD S SQVTQVS
7645	P05106	110	SQVTQ V S P QRIAL
7646	P05106	123	RLRPDD S KNFSIQ
7647	P05106	173	QMRKL T SNLRIGF
7648	P05106	188	FVDKPVS P YMYIS
7649	P05106	194	SPYMY I S P PEALE
7650	P05106	237	EEVKKQ S VSERNRD
7651	P05106	239	VKKQSV S RNRDAP
7652	P05106	269	GWRNDASH L LVFT
7653	P05106	308	GSDNHYS A STTMD
7654	P05106	310	DNHYS A STTMD P
7655	P05106	317	TTMDYPS L GLMTE
7656	P05106	348	NLYQNY S ELIPGT
7657	P05106	363	GVLSMDS S NVLQL
7658	P05106	364	VLSMD S NVLQLI
7659	P05106	379	AYGKIR S KVELEV
7660	P05106	393	DLPEEL S LSFNAT
7661	P05106	411	VIPGLK S CMGLKI
7662	P05106	471	AQAEPN S HRCNNG
7663	P05106	495	GPGWLGS Q CECSE
7664	P05106	500	GSQCEC S SEEDYRP
7665	P05106	536	GQCVC H S S DFGKI
7666	P05106	563	YKGEMC S GHGQCS
7667	P05106	569	SGHGQC S CGDCLC
7668	P05106	595	RTDTCMS S NGLLC
7669	P05106	596	TDTCMS S NGLLCS

7670	P05106	602	SNGLLCSGRGKCE
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7672	P05106	725	ILVVLLSVMGAIL
7673	P05106	778	LYKEATSTFTNIT
7674	P05107	16	ALVGLLSLGCVLS
7675	P05107	22	SLGCVLSQECTKF
7676	P05107	31	CTKFKVSSCRECI
7677	P05107	32	TKFKVSSCRECIE
7678	P05107	83	DIMDPTS LAETQE
7679	P05107	99	GGQKQLSPQKVTL
7680	P05107	136	YYLMDLSYSMLDD
7681	P05107	138	LMDLSYSMLDDL
7682	P05107	163	LNEITESGRIGFG
7683	P05107	170	GRIGFGSFVDKTV
7684	P05107	214	LKLTNNNSNQFQTE
7685	P05107	227	VGKQLISGNLDAP
7686	P05107	346	SAVGELSEDSSNV
7687	P05107	349	GELSEDS SNVVQL
7688	P05107	364	NAYNKLS SRVFLD
7689	P05107	365	AYNKLSS RVFLDH
7690	P05107	384	LKVTYDFS CNGV
7691	P05107	457	DQSRDRSLCHGKG
7692	P05107	489	CQTQGRSSQ ELEG
7693	P05107	490	QTQGRSSQ ELEGS
7694	P05107	496	SQ ELEGS CRKDNN
7695	P05107	522	QCLCHTS DVPGKL
7696	P05107	571	HPGFEGSACQCER
7697	P05107	591	PRRVECS GRGRCR
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7701	P05107	653	CPGLQLSNNPVKG
7702	P05107	667	TCKERDSEGCWVA
7703	P05107	692	LIYVDESRECVAG
7704	P05107	730	KALIHLSDLREYR
7705	P05109	11	LEKALNSIIDVYH
7706	P05109	20	DVYHKYSLIKGNF
7707	P05114	45	AAAKDKSSDKKVQ
7708	P05114	46	AAAKDKSSDKVQT
7709	P05161	18	GNEFQVSLS SSSMS
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7711	P05161	21	FQVSLSSSMSVSE
7712	P05161	22	QVSLSSSMSVSEL
7713	P05161	24	SLSSSMSVSELKA
7714	P05161	26	SSSMSVSELKAQI
7715	P05161	50	RLAVHPSGVALQD
7716	P05161	62	DRVPLASQGLPG
7717	P05161	69	QGLGPGSTVLLVV
7718	P05161	83	KCDEPLSILVRNN
7719	P05161	93	RNNKGRSSTYEVRL
7720	P05161	94	NNKGRSSTYEVRL
7721	P05161	112	HLKQQVSGLEGVQ
7722	P05161	146	YGLKPLSTVFMNL
7723	P05164	8	GVPFFSSLRCMVD
7724	P05164	46	LATPQPSEGAAAPA
7725	P05164	60	LGEVDTSLVLSSM
7726	P05164	64	DTSLVLS SMEEAKQ
7727	P05164	65	TSLVLS SMEEAKQ

7728	P05164	83	YKERRESIKQRLR
7729	P05164	94	LRSGSASPMELLS
7730	P05164	100	SPMELLSSYFKQPV
7731	P05164	153	AQLNVLSKSSGCA
7732	P05164	155	LNVLSKS S GCAYQ
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7734	P05164	185	MCNNRRSPTLGAS
7735	P05164	191	SPTLGASNRAFVR
7736	P05164	208	EYEDGFS S LPYGWT
7737	P05164	231	ALARAVSNEIVRF
7738	P05164	249	TPDQERSLMFMQW
7739	P05164	284	GVNCETSCVQQPP
7740	P05164	315	CIPFFRS C PACPG
7741	P05164	322	CPACPGSNITIRN
7742	P05164	335	QINALTSFVDASM
7743	P05164	340	TSFVDASMVYGSE
7744	P05164	345	ASMVYVGSEEPLAR
7745	P05164	406	LAGDTRSSEMPEL
7746	P05164	432	LATELKSLNPRWD
7747	P05164	481	YLPTYRSYNDSDV
7748	P05164	485	YRSYNDSDVPRIA
7749	P05164	591	ALNMQRSRDHGLP
7750	P05164	648	IWMGGVSEPLKRK
7751	P05164	687	ENEGVFSMQQRQA
7752	P05164	698	QALAQISLPRIIC
7753	P05164	720	KNNIFMSNSYPRD
7754	P05164	722	NIFMSNSYPRDFV
7755	P05164	731	RDFVNCSTLPALN
7756	P05231	15	FGPVAFSLGLLL
7757	P05231	36	VPPGEDSKDVAAP
7758	P05231	49	HRQPLTS S ERIDK
7759	P05231	50	RQPLTS S ERIDKQ
7760	P05231	65	YILDGISALRKET
7761	P05231	75	KETCNKSNMCESS
7762	P05231	80	KSNMCES S KEALA
7763	P05231	104	KDGCFQS S GFNEET
7764	P05231	135	LQNRFES S EEQAR
7765	P05231	136	QNRFES S EEQARA
7766	P05231	146	ARAVQMS T KVLIQ
7767	P05231	174	DPTTNASLLTKLQ
7768	P05231	197	THLILRS F KEFLQ
7769	P05231	204	FKEFLQS S LRALR
7770	P05386	12	ELACIYSALILHD
7771	P05386	58	ANVNIGS L ICNVG
7772	P05386	83	AGGPAP S TAAAPA
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7774	P05387	19	GGNSSP S AKDIKK
7775	P05387	29	IKKILD S VGIEAD
7776	P05387	44	RLNKVI S ELNGKN
7777	P05387	64	GIGKLAS V PAGGA
7778	P05387	74	GGAVAVS A APGSA
7779	P05412	17	DDALNAS F LPSES
7780	P05412	21	NASFLP S ESGPY G
7781	P05412	23	SFLP S ESGPY G YS
7782	P05412	29	SGPYGY S NPKILK
7783	P05412	37	PKILKQSMTLNLA
7784	P05412	48	LADPVGS L KPHLR
7785	P05412	83	ERLIIQS S NGHIT

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7788	P05412	129	SQNTLPSVTSAAQ
7789	P05412	132	TLPsvTSAAPVN
7790	P05412	149	VAPAVASVAGGSG
7791	P05412	154	ASVAGGSGGFAS
7792	P05412	156	VAGGSGSGGFAS
7793	P05412	160	SGSGGFASLHSE
7794	P05412	162	SGGFSASLHSEPP
7795	P05412	165	FSASLHSEPPVYA
7796	P05412	174	PVYANL\$NFNPGA
7797	P05412	182	FNPGALS\$GGGAP
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7799	P05412	189	SGGGAPS\$GAAGL
7800	P05412	267	RNRIAASKCRKRK
7801	P05412	292	TLKAQNSELASTA
7802	P05412	296	QNSELASTANMLR
7803	P05412	318	VMNHVNSGCQLML
7804	P05451	12	SYFMLISCLMFLS
7805	P05451	18	SCLMFLSQSQGQE
7806	P05451	20	LMFLSQSQGQEAO
7807	P05451	35	LPQARIISCPEGTN
7808	P05451	45	GTNAYRS\$CYYFN
7809	P05451	69	YCQNMNSGNLVSV
7810	P05451	74	NSGNLVSVLTQAE
7811	P05451	86	EGAFVASLIKESG
7812	P05451	91	ASLIKESGTDDFN
7813	P05451	114	NRRWHWS\$GSLVS
7814	P05451	115	RRWHWSS\$GSLVSY
7815	P05451	117	WHWSSGS\$LVSYKS
7816	P05451	120	SSGSLVSYKSWGI
7817	P05451	123	SLVSYK\$WGIGAP
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7819	P05451	131	GIGAPSS\$VNPGYC
7820	P05451	139	NPGYCVS\$LTSSSTG
7821	P05451	142	YCVSLTS\$TGFQK
7822	P05451	143	CVSLTSS\$TGFQKW
7823	P05455	73	VIVEALSKSKAEL
7824	P05455	75	VEALSKSKAELME
7825	P05455	83	AELMEI\$EDTKI
7826	P05455	92	KTKIRRS\$PSKPLP
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7828	P05455	112	NDVKNRS\$VYIKGF
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7831	P05455	163	VFDSIESAKKFVE
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7833	P05455	237	GCLLKFS\$GDLDDQ
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7835	P05455	325	IEDQQES\$LNKWK
7836	P05455	331	SLNKWK\$KGRRFK
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7838	P05455	396	DKEEPAS\$QQKTE
7839	P05546	16	IFLIITS\$AWGGSK
7840	P05546	21	TSAWGGS\$KGPLDQ
7841	P05546	51	LNNKNL\$MPPLLPA
7842	P05546	87	DLEKIF\$EDDDYI
7843	P05546	98	YIDIVDS\$LSVSPT

7844	P05546	100	DIVDSL S VSP TDS
7845	P05546	102	VDSL S VSP TDSDV
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7847	P05546	109	PTDSDV S AGNILQ
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7854	P05546	220	FGYTLR S VNDLYI
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7861	P05546	384	VERWQK S MTRNTR
7862	P05546	408	NYNLVE S LKLMGI
7863	P05546	428	GNMAG I S D QRIAI
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7867	P05549	37	LGTVG Q S PYTSAP
7868	P05549	41	GQSPY T SAPPLSH
7869	P05549	46	TSAPPL S HTPNAD
7870	P05549	69	QPIYP Q S QDPYSH
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7873	P05549	102	WPGQR Q S QESGLL
7874	P05549	105	QRQS Q E SGLLHTH
7875	P05549	119	GLPHQL S GLDPRR
7876	P05549	141	HGPHAL S SGLGDL
7877	P05549	181	IKKGPV S LSKSNS
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7879	P05549	185	PVSLSK S NSNAVS
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7881	P05549	191	SNSNAV S AIPINK
7882	P05549	223	RLSLLS S TSKYKV
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7884	P05549	247	PECLNA S LLGGVL
7885	P05549	258	VLRRAK S KNGGRS
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7887	P05549	326	FLNQR H S D PNEQV
7888	P05549	357	LLAQDR S PLGNSR
7889	P05549	362	RSPLGN S RPNPIL
7890	P05549	374	LEPGIQ S CLTHFN
7891	P05549	383	THFNL I S HGF GSP
7892	P05549	388	I SHGF G SPAVCAA
7893	P05549	415	MDKMYL S NNPN SH
7894	P05549	420	LSNNP N SHTDNNA
7895	P05549	428	TDNNNAK S SDKEEK
7896	P05549	429	DNNAK S SSDKEEKH
7897	P05771	11	AAGPPP S EGEEST
7898	P05771	51	KQPTFC S HCTDFI
7899	P05771	85	HEFVT F SCPGADK
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7904	P05771	192	MDPNGLSDPYVKL
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7908	P05771	234	RFQLKESDKDRRL
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7912	P05771	264	SLSFGISELQKAS
7913	P05771	270	SELQKASVDGWFK
7914	P05771	279	GWFKLLSQEEGEY
7915	P05771	295	PVPPEGSEANEEL
7916	P05771	311	FERAKISQGTKVP
7917	P05771	326	KTTNTVSKFDNNNG
7918	P05771	352	MVLGKGSFGKVML
7919	P05771	359	FGKVMLSERKGTD
7920	P05771	408	FLTQLHSCFQTMD
7921	P05771	459	GLFFLQSKGIIYR
7922	P05771	476	DNVMLDSEGHIKI
7923	P05771	521	YQPYGKSVDWWAF
7924	P05771	552	EDELFOSSIMEHNV
7925	P05771	563	NVAYPKSMSKEAV
7926	P05771	565	AYPKSMSKEAVAI
7927	P05771	628	RDKRDTSNFDKEF
7928	P05783	23	GSVQAPSYGARPV
7929	P05783	44	GAGGSGSRISVSR
7930	P05783	47	GSGSRISSVRSTS
7931	P05783	49	GSRISVSRSTSFR
7932	P05783	86	EKETMQSLNDRLA
7933	P05783	93	LNDRLASYLDRVR
7934	P05783	110	ENRRLESKIREHL
7935	P05783	127	PQVRDWSHYFKII
7936	P05783	230	LQAQIASGLTVE
7937	P05783	231	QAQIASSGLTVEV
7938	P05783	242	EVDAPKSQDLAKI
7939	P05783	272	ELDKYWSQQIEES
7940	P05783	278	SQQIEESTTVVTT
7941	P05783	286	TVVTTQSAEVGAA
7942	P05783	312	LEIDLDSMRNLKA
7943	P05783	347	ILLHLESELAQTR
7944	P05783	420	VDGKVSETNDTK
7945	P05813	27	TNPPTPGSLGPWKI
7946	P05813	50	KRMEFTSSCPNVS
7947	P05813	51	RMEFTSSCPNVSE
7948	P05813	56	SSCPNVSERFDN
7949	P05813	59	PNVRSERFDNVRS
7950	P05813	65	SFDNVRSLKVESG
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7954	P05813	102	WDAWSGSNAYHIE
7955	P05813	112	HIERLMSFRPICS
7956	P05813	118	SFRPICSANHKES
7957	P05813	124	SANHKESKMTIFE
7958	P05813	142	GRQWEISDDYPSL
7959	P05813	147	ISDDYPSLQAMGW

7960	P05813	160	FNNEVGS M KIQSG
7961	P05813	165	GSMKIQ S GAWVCY
7962	P05813	200	HWREWG S HAQTSQ
7963	P05813	205	GSHAQT S QIQSIR
7964	P05814	28	LSSSEES E ITEYKQ
7965	P05814	58	QDKIYPS F QPQPL
7966	P05814	120	VMPVLKS P TIFF
7967	P05814	170	PPQPLWS V PQPKV
7968	P05997	97	ECCPVC S QTPGGG
7969	P05997	139	PAGPPGS Q GPRGE
7970	P05997	192	GLSRPF S AQMAGL
7971	P05997	202	AGLDEKS G GLGSQV
7972	P05997	214	VGLMPGS V GPVGP
7973	P05997	319	EVGAPGS K GEAGP
7974	P05997	376	PLGIPGS S GFPGN
7975	P05997	436	AKGPTGS P GTSGP
7976	P05997	440	TGSPGT S GPPGSA
7977	P05997	445	TSGPPGSAGPPGS
7978	P05997	457	SPGPQGS T GPQGI
7979	P05997	550	ERGPVGS S GPKGS
7980	P05997	604	RPGPPGS I GIRGQ
7981	P05997	613	IRGQPGS M GLPGP
7982	P05997	622	LPGPKGS S GDPGK
7983	P05997	623	PGPKGSS G DGPCKP
7984	P05997	653	DGEVGPS G PVGPP
7985	P05997	749	KGSPGPS G TPGDT
7986	P05997	829	LVGPPGS R GNPGS
7987	P05997	949	LRGDPGS H GRVGD
7988	P05997	1081	PAGLPGS Q GAPGT
7989	P05997	1165	PNGEQGS A GIPGP
7990	P05997	1184	PGPVGPS G KEGNP
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7993	P05997	1274	VHATLK S LSSQIE
7994	P05997	1276	ATLKSLS S QIETM
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7996	P05997	1304	DLKLCHS A KQSGE
7997	P05997	1338	TGETCIS A NPSSV
7998	P05997	1343	ISANPSS V PRKTW
7999	P05997	1354	TWWASKS P DNKPV
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8002	P06213	225	CPTICKS H GCTAE
8003	P06213	237	EGLCCHS E CLGNC
8004	P06213	244	ECLGNCS Q PDDPT
8005	P06213	323	SGYTMNS S NLLCT
8006	P06213	324	GYTMNSS N LCTP
8007	P06213	366	CTVINGSLIINIR
8008	P06213	400	YLKIRR S YALVSL
8009	P06213	464	NPKLCL S EIHKME
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8013	P06213	630	VPLDPI S VSNSSS
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8015	P06213	694	PFESEDS Q KHNQS
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8017	P06213	726	LKELEES S FRTKF

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8021	P06213	787	PNTSST SVP TSPE
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8025	P06213	969	IFVFLFS VV IGSI
8026	P06213	974	FSVVIGS IYL FLR
8027	P06213	995	GPLYASS NPE YLS
8028	P06213	1001	SNPEYLS SAD VFP
8029	P06213	1009	SDVFPC S VYVPDE
8030	P06213	1033	RELGQGS FGM VYE
8031	P06213	1231	VLWEITS LAE QPY
8032	P06213	1297	KDDLHPS FPE VSF
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8037	P06276	92	ATKYANS C CQNID
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8044	P06276	238	VSLHLLS P GS H SL
8045	P06276	241	HLLSPGSHS L FTR
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8047	P06276	252	TRAILQS G FNAP
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8053	P06276	371	FSKDNN S IITRKE
8054	P06276	390	IFFPGVS E FGKES
8055	P06276	396	SEFGKES I LHYT
8056	P06276	438	EFTKKF S EWGNMA
8057	P06276	453	YYFEHRSS K LPWP
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8060	P06276	515	NETQNN S T W PVF
8061	P06276	517	TQNN S WPVF K S
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8064	P06276	552	QCRFWT S FFPKVL
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8066	P06307	47	RRQLRVS Q RTDGE
8067	P06307	54	QRTDGE S RAHLGA
8068	P06307	74	QARKAPS G RMSIV
8069	P06307	78	APSGRMS I VKNLQ
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8071	P06307	93	DPSHRI S DRDYM G
8072	P06307	107	MDFGRRS A EYEY
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8075	P06396	51	PEARPN S MVVEHP

8076	P06396	125	ECSQDES GAAAIF
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8078	P06396	163	FLGYFKS GLKYKK
8079	P06396	174	KKGGVAS GFKHVV
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8084	P06396	261	RARVHV SSEEGTEP
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8086	P06396	311	NGAGTMS VSLVAD
8087	P06396	328	AQGALKS EDCFIL
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8098	P06396	590	KAGALNS NDAFVL
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8109	P06400	127	QKNIEIS VHKFFN
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8113	P06400	302	FIPFMNS LGLVTS
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8115	P06400	391	LMMILNS SADQPS
8116	P06400	414	TVNPKES ILKRVK
8117	P06400	463	MESMLK SEEERLS
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8122	P06400	565	ESLAWL S DSPLFD
8123	P06400	608	AADMYL S PVRSPK
8124	P06400	634	AETQATS AFQTQK
8125	P06400	644	TQKPLK S TSLSLF
8126	P06400	646	KPLKST S LSLFYK
8127	P06400	671	LCERLL S EHPELE
8128	P06400	707	DQIMMCS MYGICK
8129	P06400	751	KEEYD S IIVFYN
8130	P06400	758	IIVFYN S VFMQRL
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8132	P06400	862	DRVLRKS AEGSNP
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8145	P06401	200	QLLLPA\$ESPHWS
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8147	P06401	344	AFAPPSSPCASS
8148	P06401	378	DAYPLYSDFQPPA
8149	P06401	397	EEGAEASARSPRS
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8151	P06401	456	SASSSG\$TLECIL
8152	P06401	486	CKAPGASGCLLPR
8153	P06401	549	NYLRPDSEASQSP
8154	P06401	554	DSEASQSPQYSFE
8155	P06401	561	PQYSFESLPQKIC
8156	P06401	666	VGVPNESQALSQR
8157	P06401	712	TKPDTSSLLTSL
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8166	P06401	866	QKGVVSSSQRFYQ
8167	P06401	867	KGVVSSSQRFYQL
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8172	P06730	24	EEEKTESNQEVAR
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8176	P06730	83	NHIQL\$SNLMPGC
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8179	P06730	141	LCLIGE\$FDDYSD
8180	P06730	146	ESFDDY\$DDVCGA
8181	P06730	199	IVIGYQ\$HADTAT
8182	P06730	207	ADTATK\$GSTTKN
8183	P06733	14	AREIFDSRGNPTV
8184	P06733	27	EVDLFT\$KGLFRA
8185	P06733	37	FRAAVPSGASTGI
8186	P06733	40	AVPSGASTGIYE
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8188	P06733	79	IAPALVS\$KKLNVT
8189	P06733	104	DGTENKS\$FGANA
8190	P06733	115	NAILGV\$SLAVCKA
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8197	P06733	272	DPSRYISPQQLAD
8198	P06733	282	LADLYKSFIDYP
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8201	P06733	336	KAVNEKSCNCLLL
8202	P06733	349	KVNQIGSVTESLQ
8203	P06733	353	IGSVTESLQACKL
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8205	P06733	373	VMVSHRSGETEDT
8206	P06733	401	TGAPCRSERLAKY
8207	P06733	419	IEEELGSKAKFAG
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8214	P06737	315	IRRKFASKFGSTR
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8218	P06737	437	LIEEEGSKRINMA
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8227	P06737	626	IILKLITSVADVNV
8228	P06737	652	LENYRVS LAEKVI
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8230	P06737	668	DLSEQIISTAGTEA
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8233	P06737	809	LNIAASGKFSSD
8234	P06737	813	AASGKFS SDRTIK
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8236	P06737	831	IWNVEPSDLKISL
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8240	P06744	41	DRFNHFSLTLNT
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8242	P06744	74	LVDLAKSRGVEAA
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8247	P06744	175	EALKPYSSGGPRV
8248	P06744	176	ALKPYSSGGPRVW
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8253	P06744	247	KHFVALSTNTTKV
8254	P06744	275	WVGGRYSLWSAIG
8255	P06744	278	GRYSLWSAIGLSI
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8269	P06746	55	YPHKIKSGAEAKK
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8272	P06746	96	QDDTSSSINFLTR
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8274	P06746	109	VSGIGPSAARKFV
8275	P06746	171	EVKKVDSEYIATV
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8278	P06746	188	RRGAESS GDMDVL
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8292	P06748	143	SISGKR SAPGGGS
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8295	P06748	207	AKNAQKS NQNGKD
8296	P06748	214	NQNGKDSKPSSTP
8297	P06748	217	GKDSKPSSTPRSKG
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8299	P06748	222	PSSTPRSK QESF
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8301	P06850	27	PCRALLSRGPVPG
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8303	P06850	82	LGNLNKS PAAPLS
8304	P06850	88	SPAAPLS PASSLL
8305	P06850	91	APLSPAS SLLAGG
8306	P06850	92	PLSPASS LLAGGS
8307	P06850	98	SLLAGGS GSRPSP

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8310	P06850	125	LLLPRRSLDSPA
8311	P06850	128	PRRSLDSPAALAE
8312	P06850	154	PERERRSEEPPI
8313	P06850	160	SEEPPISLDLTFH
8314	P06850	186	LAQQAHSNRKLME
8315	P07101	44	GPSLTGSPWPGTA
8316	P07101	55	TAAPAAASYTPTPR
8317	P07101	93	AAAAVPSEPGDPL
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8319	P07101	125	PRATKPSALSRAV
8320	P07101	128	TKPSALSRAVKVF
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8325	P07101	293	ALLERFSGYREDN
8326	P07101	307	PQLEDVSRFLKER
8327	P07101	326	PVAGLLSARDFLA
8328	P07101	333	ARDFLASLAFRVF
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8330	P07101	350	YIRHASSPMHSPE
8331	P07101	354	ASSPMHSPEPDCC
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8333	P07101	386	QDIGLASLGASDE
8334	P07101	390	LASLGASDEEIEK
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8337	P07101	435	ELLHCLSEEPEIR
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8341	P07101	469	FVSESFSDAKDKL
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8343	P07101	480	KLRSYASRIQRPF
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8357	P07195	106	RQQEGESRLNLVQ
8358	P07195	129	PQIVKYS PDCIII
8359	P07195	138	CIIIVVSNPVDIL
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8361	P07195	162	KHRVIGSGCNLDS
8362	P07195	168	SGCNLDSARFRYL
8363	P07195	184	KLGIHPS SCHGWI
8364	P07195	185	LGIHPS SCHGWIL
8365	P07195	197	LGEHGDS SVAVWS

8366	P07195	198	GEHGDS S VAVWSG
8367	P07195	203	SSVAVWS G VNVAG
8368	P07195	211	VNVAGVS L QELNP
8369	P07195	225	MGTDND S ENWKEV
8370	P07195	238	HKMVVE S A耶VIK
8371	P07195	256	NWAIGL S VADLIE
8372	P07195	263	VADLIES M LNLS
8373	P07195	269	SMLKNL S RIPHVS
8374	P07195	275	SRIHPVS T MVKGM
8375	P07195	291	ENEVFLS L PCILN
8376	P07195	303	NARGLT S VINQKL
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8379	P07199	40	RFNIPPS T LSTIL
8380	P07199	43	IPPSTL S TILKNK
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8385	P07199	134	RRHGVVS C SGVAR
8386	P07199	136	HGVVSC S GVARAR
8387	P07199	156	TPAAPAS P AAVPS
8388	P07199	162	SPAAPV S EGSGGS
8389	P07199	165	AVPSEG S GGSTTG
8390	P07199	168	SEGSGG S TTGWRA
8391	P07199	181	REEQPP S VAEGYA
8392	P07199	188	VAEGYAS Q DVFSA
8393	P07199	198	FSATET S LWYDFL
8394	P07199	226	QATQRL S VLLCAN
8395	P07199	236	CANADG S EKLPL
8396	P07199	247	PLVAGKS A KPRAG
8397	P07199	265	CDYTANS K GGVTT
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8401	P07199	403	ITTSLK S EGEEEE
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8404	P07199	467	EEDEESS S SEGLEA
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8407	P07199	510	LEGGEDS D SDSEE
8408	P07199	514	EDSDSD S EEEDDE
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8410	P07199	560	VKRYLTS F PIDDR
8411	P07204	28	EPQPGGS Q CVEHD
8412	P07204	49	ATFLNAS Q ICDGL
8413	P07204	64	HLMTVRSS S VAAADV
8414	P07204	65	LMTVRSS V AADVI
8415	P07204	72	VAADVIS L LLNGD
8416	P07204	118	TGDNNTS S YSRWAR
8417	P07204	120	DNNTSYS R WARLD
8418	P07204	141	PLCVAVS A AEATV
8419	P07204	149	AEATVP S EPIWE
8420	P07204	190	AAAAAVS I TYGTP
8421	P07204	211	QALPVGS S AAVAP
8422	P07204	212	ALPVGSS A AVAPL
8423	P07204	246	PGAWDCS V ENG

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8425	P07204	283	GRSCTASATQSCN
8426	P07204	287	TASATQSCNDLCE
8427	P07204	305	NPDQPGSYSCMCE
8428	P07204	307	DQPGSYSCMCETG
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8431	P07204	424	DPNTQASCECPEG
8432	P07204	452	ENGGFCSGVCHNL
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8435	P07204	490	KVDGGDGSGEPP
8436	P07204	492	DGGDSGSGEPPPS
8437	P07204	498	SGEPPPSPTPGST
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8441	P07204	525	IGISIASLCLVVA
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8465	P07225	501	IDYNNVSSAEGWH
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8472	P07225	628	LPDVPDFSATPVNA
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8474	P07225	665	NDIRAHSCPSPWK
8475	P07225	668	RAHSCPSPWKTK
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8477	P07305	22	AKASKKSTDHPKY
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8480	P07305	46	KNRAGSSRQSIQK
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8515	P07332	410	DDRHSTS SSEQER
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8526	P07332	676	GMEYLESKCCIHR
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8530	P07332	808	GQRPSFSTIYQEL
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8538	P07333	290	QGKHSTSMFFRVV
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8546	P07333	495	NSVGSGSWAFIPI
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8549	P07333	632	EKEALMSELKIMS
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8552	P07333	736	STSSNDSFSEQDL
8553	P07333	738	SSNDSFSEQDLDK
8554	P07333	759	RDLLHFSSQVAQG
8555	P07333	771	GMAFLASKNCIHR
8556	P07333	807	RDIMNDSNYIVKG
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8590	P07358	501	EFQKEVSSCHCAP
8591	P07358	502	FQKEVSSCHCAPC
8592	P07358	519	VPVLKGSRCD CIC
8593	P07358	537	GLACEVSYRKNTP
8594	P07358	558	SNWSSCS GRRKTR
8595	P07358	578	PPQNGGS PCSGPA
8596	P07358	581	NGGSPCS GPASET
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8615	P07359	428	TTPEPTSEPAASP
8616	P07359	446	TSEPAASPPTPEP
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8619	P07359	470	ILVSATSPLITPKS
8620	P07359	476	SLITPKSTFLTTT
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8622	P07359	514	LQGHLESRNDPF
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8624	P07359	545	FWLLFASVVILL
8625	P07359	565	KPQALDGSQGAAL
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8652	P07492	132	GKVGRLSAPGSQR
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8655	P07550	17	LLAPNGSHAPDH

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8737	P07900	63	DKIRYES L DPSK
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8747	P07900	391	IRGVVD S EDLPLN
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8782	P07910	222	KIEKEQSQAVEM
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8804	P07947	144	KNGYIPSNYVAPA
8805	P07947	152	YVAPADSIQAEIW
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8807	P07947	195	TTKGAYSLSIRDW
8808	P07947	197	KGAYSLSIRDWDE
8809	P07947	276	WEIPRESLRLEVK
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8813	P07947	453	GRFTIKSDVWSFG
8814	P07947	457	IKSDVWSFGILQT
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8818	P07949	128	YLKVFLSPTSLRE
8819	P07949	131	VFLSPTSLREGEC
8820	P07949	148	CARVYFSFFNTSF
8821	P07949	153	FSFFNTSFACSS
8822	P07949	158	TSFPACSSLKPRA
8823	P07949	307	ADVVPASGELVRR
8824	P07949	363	VLRNRLSISENRT
8825	P07949	365	NRNLSISENRTMQ
8826	P07949	379	AVLVNDSDFQGPG
8827	P07949	396	LLHFNVSVLVSL
8828	P07949	401	VSVLPVSLHLPST
8829	P07949	406	VSLHLPSTYSLSV

8830	P07949	411	PSTYSLSVSRRAR
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8832	P07949	445	QYKLHSSGANCST
8833	P07949	493	ATDQQTSRQAQAQ
8834	P07949	518	EAGCPLSCAVSKR
8835	P07949	536	ECGGLGSPTGRCE
8836	P07949	649	LFSFIVSVLLSAF
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8838	P07949	696	SGARRPSLDSMEN
8839	P07949	767	KENASPSELRDLL
8840	P07949	774	ELRDLLSEFNVLK
8841	P07949	819	RGFLRESRKVGPG
8842	P07949	832	YLGSGGSRNSSL
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8844	P07949	904	DVYEEDSYVKRSQ
8845	P07949	909	DSYVKRSQGRIPV
8846	P07949	1002	PVFADISKDLEKM
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8849	P07949	1054	LPRALPSTWIENK
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8853	P08047	87	SQGPSQSGGTGEL
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8856	P08047	127	KEQSGSSSTNGSNG
8857	P08047	134	TNGSNGSESSKNR
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8862	P08047	289	AVTISSSGSQESG
8863	P08047	296	GSQESGSQPVTSG
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8868	P08047	334	STTTTTSNMGIMN
8869	P08047	344	IMNFTTSGSSGTN
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8872	P08047	463	GPNQQVSQTLQL
8873	P08047	498	LGQTSSNTTLTP
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8876	P08047	540	LSALGTSGIQVHP
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8898	P08069	642	LPNGNL SYYIVRW
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8907	P08069	1040	TVNEAASMRERIE
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8944	P08151	937	LGGSQVS PSRAKA
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8948	P08195	24	QLPGSHSEAGVQG
8949	P08195	32	AGVQGLSAGDDSE
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8957	P08195	134	ASGAAMSLAGAEK
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8959	P08195	296	FDSLLQSACKKS
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8961	P08195	320	GENSWFSTQVDTV
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9002	P08514	53	GSQFGFSLDFHKD
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9005	P08514	132	ASVVSWSDVIVAC
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9007	P08514	175	GRRAEYSPCRGNT
9008	P08514	183	CRGNTLSRIYVEN
9009	P08514	192	YVENDFSWDKRYC
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9026	P08514	599	LSPIVLSLNVS LP
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9039	P08559	130	TFTRGLS VREILA
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9045	P08559	327	KDRMVNS NLASVE
9046	P08559	331	VSNLNAS VEELKE
9047	P08559	370	LGYHIYS SDPPFE
9048	P08559	371	GYHIYSS DPPFEV
9049	P08567	16	YLVKKGS VFNTWK
9050	P08567	40	EFYKKKS DNSPKG
9051	P08567	43	KKKSDNS PKGMIP
9052	P08567	53	MIPLKGSTLTSPC
9053	P08567	57	KGSTLTS PCQDFG
9054	P08567	132	LGALYLS MKDTEK
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9056	P08567	170	WLVS NQSVRN RQE
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9074	P08581	290	INSGLHS YMEMPL
9075	P08581	336	ARQIGAS LNDDIL
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9080	P08581	483	VNFLLD SHPV SPE
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9085	P08581	691	GNSRHIS IGGKTC
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9088	P08581	755	PTKSFIS GGGSTIT
9089	P08581	769	VGKNLNS VS VPRM
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9091	P08581	940	LIAGVVS ISTALL
9092	P08581	988	RLVSARS VSPTTE
9093	P08581	997	PTTEMVS NESVDY
9094	P08581	1074	HVVIGPS SLIVHF
9095	P08581	1197	GMKYLAS KK FVHR
9096	P08581	1268	TKSDVWS FGVL LW
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9101	P08582	29	VRWCAT S DPEQHK
9102	P08582	59	LCVRGTS ADHCVQ
9103	P08582	106	DQEVTG TS YYAVAV
9104	P08582	116	VAVVRRS SHVTID
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9106	P08582	129	TLKGVK S CHTGIN
9107	P08582	154	VESGRLS VMGCDV
9108	P08582	182	AGETSY SES LCR LCR
9109	P08582	184	ETSYSE S LCRL CR
9110	P08582	193	RLCRGD S GEGVC
9111	P08582	202	EGVCDKS PLERRY
9112	P08582	211	ERYYDYS GAFRCL
9113	P08582	230	VAFVKHS TVLENT
9114	P08582	250	WGQALLS QDFELL
9115	P08582	261	LLCRDG S RADVTE
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9127	P08582	587	NTNGHN S EPWAAE
9128	P08582	596	WAAELRS E DYELL
9129	P08582	663	GFKMFDS S NYHGQ
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9132	P08697	11	WGLLVL S WSCLQG
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9134	P08697	23	GPCSVF S PVSAME
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9136	P08697	45	PNQE Q V S PLTLLK
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9139	P08697	101	SLVAQT S TCPNLI
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9141	P08697	118	SVALALSH L ALGA
9142	P08697	140	QLVHAG S GPCLPH
9143	P08697	149	CLPHLL S RLCQDL
9144	P08697	182	EDFLEQ S EQLFGA
9145	P08697	192	FGAKPV S LTGKQE
9146	P08697	221	KIQEFL S GLPEDT
9147	P08697	248	RNKFDPS L TQRDS
9148	P08697	254	SLTQRDS F HLDEQ
9149	P08697	297	PFKNMMS F VVLVP
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9152	P08697	369	PDLRG I S E QSLVV
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9164	P08697	459	NKDFLQ S LKGFP R
9165	P08709	28	GGVAKAS G GETRD
9166	P08709	72	EELRPG S LERECK
9167	P08709	83	CKEEQC S FEEARE
9168	P08709	103	TKLFWI S YSDGDQ
9169	P08709	105	LFWISYS D GDQCA
9170	P08709	112	DGDQCAS S PCQNG
9171	P08709	113	GDQCASS S PCQNGG
9172	P08709	120	PCQNGGS C KDQLQ
9173	P08709	127	CKDQLQ S YICFCL
9174	P08709	163	GCEQYC S DHTGTK
9175	P08709	171	HTGTKR S CRCHEG
9176	P08709	179	RCHEGY S LADGV
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9181	P08709	282	HGDDEQSRRVAQV
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9183	P08709	329	LPERTFSERTLAF
9184	P08709	339	LAFVRFLSIVSGWG
9185	P08709	342	VRFSLVSGWQILL
9186	P08709	374	QDCLQQSRKVGDS
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9190	P08709	399	SDGSKDCKGDSG
9191	P08709	404	DSCKGDGGPHAT
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9194	P08709	453	LQKLMRSEPRPGV
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9203	P08833	161	ISTYDGSKALHVT
9204	P08833	186	LYRVVESLAKAQE
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9206	P08833	220	SRQCETSMDGEAG
9207	P08842	21	FLWEAESHAASRP
9208	P08842	72	TQHLAASPLCTPS
9209	P08842	78	SPLCTPSRAAFMT
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9211	P08842	95	VRSGMASWSRTGV
9212	P08842	107	VFLFTASSGGLPT
9213	P08842	108	FLFTASSGGLPTD
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9215	P08842	140	KWHLGMSCHSKTD
9216	P08842	143	LGMSCHSKTDFCH
9217	P08842	163	NYFYGISLTNLRD
9218	P08842	176	CKPGEGSVFTTGF
9219	P08842	218	PLGVFFSLLFLAA
9220	P08842	256	IIIQQPMSSYDNLTQ
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9222	P08842	295	VHTALFSSKDFAG
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9227	P08842	351	AHVEEVSSKGEIH
9228	P08842	360	GEIHGGSNGIYKG
9229	P08842	399	KIDEPSTSNDIFP
9230	P08842	434	PLLEGKSQRSDHE
9231	P08842	437	EGKSQRSRHEFLF
9232	P08842	462	HPQNSTSIIWKAFF
9233	P08842	478	NFNPVGSNGCFAT
9234	P08842	492	VCFCFGSYVTHHD
9235	P08842	506	PLLFDISKDPRET

9236	P08842	519	NPLTPA S EPRFYE
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9238	P08842	565	LQLCCP S TGLSCQ
9239	P08842	569	CPSTGL S CQCDRE
9240	P08865	43	YIYKRK S DGIYII
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9246	P08865	170	NNKG AH SVGLMW
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9248	P08865	249	PEVADW SE GVQVP
9249	P08865	256	EGVQV P SVPIQQF
9250	P08865	268	FPTEDW S AQPATE
9251	P08865	277	PATEDW S AAPTAQ
9252	P08949	13	GARMFG S LLLFA
9253	P08949	28	AGVAPL S WDLPEP
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9255	P08949	39	EPRSRA S KIRVHS
9256	P08949	45	SKIRV H SRGNLWA
9257	P08949	60	HFMGKK S LEPSSP
9258	P08949	64	KKSLEP S SPSPLG
9259	P08949	65	KSLEP S SPSPLGT
9260	P08949	67	LEPSSP S PLGTAP
9261	P08949	76	GTAPHT S LRDQRL
9262	P08949	85	DQRLQL S HDLLGI
9263	P08949	101	KKALGV S LSRPAP
9264	P08949	103	ALGV S LSRPAPQI
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9267	P09012	46	IILDILV S RSLKMR
9268	P09012	48	DILVSR S LKMRGQ
9269	P09012	63	VIFKEV S SATNAL
9270	P09012	64	IFKEV S SATNALR
9271	P09012	71	ATNALR S MQGFPF
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9273	P09012	115	EKRKP K SQETPAT
9274	P09012	202	PPAQPL S ENPPNH
9275	P09012	225	TNELML S MLFNQF
9276	P09038	22	PGGCQ I SGRGARG
9277	P09038	52	RPRRHPS V NPRSR
9278	P09038	57	PSVNPR S RAAGSP
9279	P09038	62	RSRAAG S PTRGR
9280	P09038	75	RTEERP S GSRLGD
9281	P09038	77	EERPSG S RLGDRG
9282	P09038	126	APAARG S RPGPAG
9283	P09038	138	GTMAAG S ITTLPA
9284	P09038	151	LPEDGG S GAFPPG
9285	P09038	189	DGVREK S DPHIKL
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9287	P09038	227	DGRLLA S KCVTDE
9288	P09038	242	FFERLE S NNYNTY
9289	P09038	250	NYNTYR S RKYTSW
9290	P09038	255	RSRKYT S WYVALK
9291	P09038	270	GQYKL G S K TGPGQ
9292	P09211	28	LADQG Q S W KEEVV
9293	P09211	43	ETW Q EG S LKASCL

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9296	P09211	106	LRCKYISLIYTNY
9297	P09211	135	PFETLLSQNQGGK
9298	P09211	150	IVGDQISFADYNL
9299	P09211	178	DAFPILLSAYVGRL
9300	P09211	185	AYVGRLSARPKLK
9301	P09211	196	LKAFLASPEYVNL
9302	P09382	8	ACGLVASNLNLKP
9303	P09382	39	LNLGKDSNNLCLH
9304	P09382	63	NTIVCNSKDGGAW
9305	P09382	84	FPFQPGSVAEVCI
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9312	P09417	99	GNAKSKSLFKNCD
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9315	P09417	118	IWTSTISSH LATK
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9319	P09417	193	TPMNRKSMPEADF
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9324	P09417	226	NRPSSGSLIQVVT
9325	P09493	36	AAEADRSKQLEDE
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9333	P09493	245	AEFAERSVTKLEK
9334	P09493	252	VTKLEKS IDDLED
9335	P09493	271	LKYKAI SEELDHA
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9337	P09603	36	SITEEVSEYCSHM
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9343	P09603	180	SFAECSS QDVVTK
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9346	P09603	260	PRSTCQS FEPPET
9347	P09603	283	SPQPRPSS VGAFNP
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9358	P09603	420	SNPSTLSAQPQLS
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9360	P09603	445	ELEGRRSTRDRRS
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9364	P09603	488	ERQSEGSFSPQLQ
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9366	P09603	524	YRWRRRSHQEPQR
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9373	P09619	105	FCTHNDSRGLETD
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9385	P09619	625	AHGLSHSQATMKV
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9389	P09619	744	GGYMDMSKDESVD
9390	P09619	769	YADIESSNYMAPY
9391	P09619	781	YDNYVPSAPERTC
9392	P09619	795	ATLINESPVLSYM
9393	P09619	799	NESPVL SYMDLVG
9394	P09619	884	SLYTTLSDVWSFG
9395	P09619	1005	RSPLDTSSVLYTA
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9399	P09619	1047	SPSLASSSTLNEVN
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9407	P09683	65	EQDAENSMAWTRL
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9414	P09693	41	DYQEDGSVLLCD
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9419	P09693	125	LFAEIVSIFVLAV
9420	P09693	172	REDDQYSHLQGNQ
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9422	P09871	25	MYGEILSPNYPQA
9423	P09871	34	YPQAYPSEVEKSW
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9458	P09874	177	GFRPEYSASQLKG
9459	P09874	179	RPEYSASQLGFS
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9462	P09874	232	KEKDKDSSKLEKAL
9463	P09874	372	AATPPPSTASAPA
9464	P09874	375	PPPSTASAPAAVN
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9538	P09958	628	VLDTHYSTENDVE
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9575	P09960	546	LRLCIQSJKWEDAI
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9585	POCOL4	480	SIERPDSRPPRVG
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9587	POCOL4	528	PKRTLTSVSVFVD
9588	POCOL4	530	RTLTSVVFVDHH
9589	POCOL4	615	YAAGSKSHKPLNM
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9591	POCOL4	663	GDQWTLSRKRLSC
9592	POCOL4	696	KLGQYASPTAKRC
9593	POCOL4	734	CREPFLSCCQFAE
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9597	POCOL4	910	TAAAAVSLKVVAR
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9599	POCOL4	991	PLDTLGSEGALSP
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9603	POCOL4	1294	WLTRQGSFQGGFR
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9606	POCOL4	1506	DLEKLTSLSDRYV
9607	POCOL4	1532	FDSVPTSRECVGF
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9616	PODI83	158	GTRAEGSRPGGAA
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9622	P10070	228	RVTPRLSRKRALS
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9629	P10070	663	SPGAQSSCSSEPS
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9633	P10070	854	NASSADSYDPIST
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9647	P10070	1574	MSSMLTS L AEESK
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9685	P10145	41	QCIKTY S KPFHPK
9686	P10145	57	ELRVIES G PHCAN
9687	P10145	71	EIVKLS D GRELC
9688	P10153	8	VPKLFTS Q ICLLL
9689	P10153	24	LLAVEGS L HVKPP
9690	P10153	47	QHINMTS Q QCTNA
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9692	P10153	101	RKNCHHS G SQVPL
9693	P10153	103	NCHHSGS Q VPLIH
9694	P10153	116	CNLTPPS P QNISN
9695	P10153	121	PSPQNI S NCRYAQ
9696	P10155	19	EKQIANS Q DGYVW
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9698	P10155	79	VIQEIKS F SQEGR
9699	P10155	81	QEIKSF S QEGRTT

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9701	P10155	103	AICSQCSDISTKQ
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9703	P10155	116	AAFKAVSEVCRIP
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9705	P10155	178	KQRNGWSHKDLLR
9706	P10155	186	KDLLRLSHLKPPSS
9707	P10155	191	LSHLKPSSEGLAI
9708	P10155	192	SHLKPSSEGLAIV
9709	P10155	219	YKEKALSVETEKL
9710	P10155	265	LTNHLKSKEVWKA
9711	P10155	292	GKMTANSVLEPGN
9712	P10155	299	VLEPGNSEVSLVC
9713	P10155	302	PGNSEVSLVCEKL
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9715	P10155	380	AVDVSASMNQRVL
9716	P10155	388	NQRVLGSILNAST
9717	P10155	393	GSILNASTVAAAM
9718	P10155	410	TRTEKDSYVVAFS
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9720	P10155	438	QVLMAMSQIPAGG
9721	P10155	448	AGGTDCSLPMIWA
9722	P10155	503	IVCGMTSNGFTIA
9723	P10244	28	VPEQRDSKCKVKW
9724	P10244	59	DWKFLASHFPNRT
9725	P10244	178	VKNHWNSTIKRKV
9726	P10244	193	GGFLSESKDCKPP
9727	P10244	223	PTEGQGSLLTNWP
9728	P10244	251	LAAATTSKEQEPI
9729	P10244	282	REDQEGRPPETSL
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9731	P10244	309	AVGSSLSEALDI
9732	P10244	343	EDSINNSLVQLQA
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9734	P10244	385	SDLSRSSRGELIP
9735	P10244	395	LIPISPSTEVGGS
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9739	P10244	435	SLSFLDS CNSLTP
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9743	P10244	511	TPDQKYSMNDNTPH
9744	P10244	585	IKKVRKS LALDIV
9745	P10244	607	TLPKSLSLPTTAP
9746	P10244	614	LPTTAPSNSSSLT
9747	P10244	616	TTAPSNSSSLTLS
9748	P10244	617	TAPSNSSSLTLSG
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9753	P10244	691	LGRLKPSHTSRTL
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9755	P10275	163	AAPSTLSLLGPTF
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9759	P10275	242	ELCKAVSVSMGLG
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9762	P10275	308	EDTAEYSPFKGGY
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9773	P10275	529	MGPWMDSYSGPYG
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9775	P10275	647	EEGEASSTTSPTE
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9779	P10275	753	FAMGWRSFTNVNS
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9782	P10275	791	VRMRHLSQEFGWL
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9813	P10276	449	SCSPSLSPSSNRS
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9827	P10415	216	FDFSWLSSLKTLLS
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9861	P10515	566	GGTFTISNLGMFG
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9864	P10515	613	DVASMMSVTLSCD
9865	P10515	617	MMSVTLSCDHRVV
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9867	P10588	34	AEDDSASPPGAAS
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9875	P10588	143	GAVAASS S GSPPGS
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9882	P10588	240	LLRLSW S ELFVLN
9883	P10588	299	GRLQVDSAEYGCL
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9989	P10721	251	TWKRENSQTKLQE

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10071	P10997	61	NFGAIL S STNVGS
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10118	P11142	281	SSSTQAS EIDSL
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10982	P13611	1972	DTQTSPS TVPTSV
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10984	P13611	2081	KEEVKVSGTVSTN
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10986	P13611	2386	QDSNKNS STAEIN
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10989	P13611	2530	FREFEDS TLKPNR
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10991	P13611	2699	LPIPRKS SATVIPE
10992	P13611	2826	LSSQTPS SPLTIY
10993	P13611	2833	SPLTIYSGSEASG
10994	P13611	3206	QGAHLTS ILSHEE
10995	P13611	3260	QPDSFFSAGEDCV
10996	P13612	40	YNVDTES ALLYQG
10997	P13612	108	EQLQLGS PNGEPC
10998	P13612	140	QPGENGSSIVTCGH
10999	P13612	197	FGENFASCQAGIS
11000	P13612	203	SCQAGISSFYTKD
11001	P13612	262	GAGHFRSQHTTEV
11002	P13612	285	GKAYIFS IDEKEL
11003	P13612	331	VGAPMQSTIREEG
11004	P13612	371	AARFGES IVNLGD
11005	P13612	426	GLQISKSLSMFGQ
11006	P13612	428	QISKSLSMFGQSI
11007	P13612	455	AVGAFRS DSAVLL
11008	P13612	474	IVDASLSHPESVN
11009	P13612	493	VENGWPSVCIDL T
11010	P13612	520	VLFYNMS LDVN R
11011	P13612	536	PPRFYFSSNGTSD
11012	P13612	537	PRFYFSSNGTSDV
11013	P13612	551	TGSIQVS SREANC
11014	P13612	653	TYLAVGSMKTLML
11015	P13612	704	CEVTDNS GVVQLD
11016	P13612	712	VVQLDCS IGYIYV
11017	P13612	727	LSRIDIS FLLDVS
11018	P13612	823	SMAPNVSV EIMVP
11019	P13612	833	MVPNSFS PQTDKL
11020	P13612	868	ALEQQKS AMQTLK
11021	P13612	909	NFGKME SGKEASV
11022	P13612	924	QLEGRPS ILEMDE
11023	P13612	982	FTIVIISSLLL G
11024	P13612	983	TIVIIS SLLL GL
11025	P13612	984	IVIISSS LLL GLI
11026	P13612	1023	NRRDSWS YINSKS
11027	P13639	23	ANIRNMS VIAHVD
11028	P13639	33	HVDHGKST LTD S
11029	P13639	38	KSTLTD S LVCKAG
11030	P13639	76	IKSTAIS SLFYELS
11031	P13639	82	SLFYELSENDLN F
11032	P13639	92	LNFIKQS KD GAGF
11033	P13639	113	GHVDFS SEVTAAL

11034	P13639	133	VVVDCVS G VCVQT
11035	P13639	190	NVNVI I S T YGEGE
11036	P13639	197	TYGEGE S GPMGNI
11037	P13639	216	GTVGFG S GLHGWA
11038	P13639	274	PANGKF S KSATSP
11039	P13639	279	FSKSATS P EKGKL
11040	P13639	360	ITIHLPS P VTAQK
11041	P13639	399	PLMMYI S KMVPTS
11042	P13639	405	SKMVPTS D KGRFY
11043	P13639	418	AFGRVFS G LVSTG
11044	P13639	422	VFSGLV S TGLKVR
11045	P13639	530	LKRLAKS D PMVQC
11046	P13639	541	QCII E E S GEHIIA
11047	P13639	573	CIPPIKK S DPVVSY
11048	P13639	584	SYRETV S EESNVL
11049	P13639	593	SNVLCLS K SPNKH
11050	P13639	623	IDKGEV S ARQELK
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11052	P13639	774	GHVFEE S QVAGTP
11053	P13639	793	YLPVNES F GFTAD
11054	P13639	802	FTADLRSNTGGQA
11055	P13639	828	GDPFDNS S RPSQV
11056	P13639	829	DPFDNS S RPSQVV
11057	P13639	832	DNSSRPS Q VVAET
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11059	P13646	9	LRLQSS S ASYGGG
11060	P13646	11	LQSSSAS Y GGGFG
11061	P13646	20	GGFGGG S CQLGGG
11062	P13646	30	GGGRGV S TCSTRF
11063	P13646	33	RGVSTCS T RFVSG
11064	P13646	38	CSTRFV S GGSAGG
11065	P13646	50	GYGGGV S CGFGGG
11066	P13646	59	FGGGAG S FGGGY
11067	P13646	117	LNDRLAS Y LEKVR
11068	P13646	144	DWHLKQS P ASPER
11069	P13646	153	SPERDYS P YYKTI
11070	P13646	203	ELALRQS V EADIN
11071	P13646	221	LDELTL S KTDLEM
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11075	P13646	308	ELNKEV S TNTAMI
11076	P13646	317	TAMIQT S KTEITE
11077	P13646	337	LEIELQS Q LSMKA
11078	P13646	340	ELQSQL S MKAGLE
11079	P13646	368	QIQGLIS S IEAQL
11080	P13646	369	IQGLISS I EAQLS
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11082	P13646	379	QLSELRS E MECQN
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11084	P13646	432	VSPRSTS V TTTSS
11085	P13646	437	TSVTTT S SASVTT
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11087	P13646	445	ASVTTT S NASGRR
11088	P13646	448	TTTSNAS G RRTSD
11089	P13688	23	GLLLTAS L LTFWN
11090	P13688	40	AQLTTE S MPFNVA
11091	P13688	96	TPGPANS G RETIY

11092	P13688	106	TIYPNAS L LIQNV
11093	P13688	127	TLQVIKS D LVNEE
11094	P13688	148	PELPKPS I NNNS
11095	P13688	150	LPKPSI S NNNSNP
11096	P13688	151	PKPSI S NNNSNPV
11097	P13688	154	SISSNN S NPVEDK
11098	P13688	204	RTLTLLS V TRNDT
11099	P13688	222	EIQNPVS A NRSDP
11100	P13688	226	PVSANRS D PVTLN
11101	P13688	243	PDTPTIS P SDTYY
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11103	P13688	270	NPPAQYS W LINGT
11104	P13688	280	NGTFQQ S TQELFI
11105	P13688	294	NITVNNS G SYTCH
11106	P13688	296	TVNNSGS Y TCCHAN
11107	P13688	304	TCHANNS V TGCNR
11108	P13688	322	IIVTELS P VVAKP
11109	P13688	333	KPQIKAS K TTVTG
11110	P13688	343	VTGDKDS V NLTCS
11111	P13688	349	SVNLTC S TNDTGI
11112	P13688	356	TNDTG I SIRWF F K
11113	P13688	365	WFFKNQ S LPSSER
11114	P13688	368	KNQSLPS S ERMKL
11115	P13688	369	NQSLPSS S ERMKLS
11116	P13688	375	SERMKL S QGNTTL
11117	P13688	382	QGNTTLS I NPVKR
11118	P13688	461	GKTGRAS D QRDLT
11119	P13688	474	EHKPSVS N H T QDH
11120	P13688	510	TQPTSAS P SLTAT
11121	P13688	512	PTSASP S L T ATEI
11122	P13693	9	IYRDLI S HDEMFS
11123	P13693	15	SHDEMFS S DIYKIR
11124	P13693	37	VEGKMVS R TEGNI
11125	P13693	82	HHLQETS F TKEAY
11126	P13693	98	IKDYMKS I KGKLE
11127	P13796	70	DQDGRIS F DEFIK
11128	P13796	83	IFHGLKS T DVAKT
11129	P13796	107	CAIGGT S EQSSVG
11130	P13796	110	GGTSEQ S SVGTQH
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11132	P13796	117	SVGTQH S YSEE E K
11133	P13796	119	GTQHSY S EE E KYA
11134	P13796	170	CKMINLS V PDTID
11135	P13796	200	LNLALNSASAIGC
11136	P13796	202	LALNSASAIGCHV
11137	P13796	243	FADIELS R NEALI
11138	P13796	265	EDLMKLS P ELL
11139	P13796	290	NKIGNFS T DIKDS
11140	P13796	296	STDIKDS K AYYHL
11141	P13796	418	RVNHLYS D LSDAL
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11143	P13796	474	KNQAKFS L VGIGG
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11145	P13796	536	REAKKSS S ISSEFK
11146	P13796	537	EAKKSS S ISSFKD
11147	P13796	539	KKSSSI S FKDPK
11148	P13796	540	KSSSI S FKDPKI
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11150	P13796	549	DPKIST S LPVLDL
11151	P13796	563	DAIQPGSINYDLL
11152	P13796	588	NAKYAI S MARKIG
11153	P13798	8	ERQVLL S EPEEAA
11154	P13798	85	AGPAGNSVETRGE
11155	P13798	97	ELLSRES S PSGTMK
11156	P13798	132	KNRKL K SFNLSAL
11157	P13798	136	LKSFN L SALEKHG
11158	P13798	175	KRPKAES F FQTKA
11159	P13798	187	ALDVSAS D DEIAR
11160	P13798	231	CVLDVE S GNISVL
11161	P13798	235	VESGN I SVLEGVP
11162	P13798	245	GPENVS P GQAFW
11163	P13798	280	FCTNRR S ALYYVD
11164	P13798	296	GKCELL S DDSLAV
11165	P13798	303	DDSLAV S SPRLSP
11166	P13798	321	VYLQYPSLIPH H Q
11167	P13798	329	IPHQC S QLCLYD
11168	P13798	342	WTKV T SVVVDVV
11169	P13798	357	QLGENF S GIYCSL
11170	P13798	362	FSGIYC S LLPLGC
11171	P13798	400	QVGTVT S LTAGGS
11172	P13798	425	LMVAQF S TPSLPP
11173	P13798	446	SAGKEQS V LWVSL
11174	P13798	451	QSVLW V SLEEAEP
11175	P13798	513	HGGPH S SFVTAWM
11176	P13798	540	LVNYRG S TGFGQD
11177	P13798	547	TGFGQD S ILSLPG
11178	P13798	550	GQDSI L SLPGNVG
11179	P13798	579	EEHFD A SVALMG
11180	P13798	593	SHGGF I SCHLIGQ
11181	P13798	618	PVINIA S MLGSTD
11182	P13798	622	IASML G STDIPDW
11183	P13798	638	EAGFPF S SDCLPD
11184	P13798	639	AGFPF S SDCLPDL
11185	P13798	710	KSTHAL S VEVEVES
11186	P13807	10	NRTLSMS S LPGLE
11187	P13807	122	LLDVGA S AWALER
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11189	P13807	259	HVF T TV S QITAIIE
11190	P13807	407	GRKLY E SLLVGSL
11191	P13807	452	HNMLDD S SDPILT
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11193	P13807	468	RIGLF N SADRVK
11194	P13807	469	IGLFN S SADRVKV
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11197	P13807	526	TVMGIP S ISTNLS
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11203	P13807	569	SCSQL T FLYSFC
11204	P13807	573	LTSFLY S FCQQSR
11205	P13807	578	YSFCQQ S RRQRRI
11206	P13807	593	NRTERL S DLLDWK
11207	P13807	607	LGRYYM S ARHMAL

11208	P13807	647	SVPPSPSLSRHSS
11209	P13807	652	PSLSRHSSPHQSE
11210	P13807	702	RASCTSSSTSGSKR
11211	P13807	704	SCTSSTSRSKRNS
11212	P13807	706	TSSTSGSKRNSVD
11213	P13807	710	SGSKRNSVDTATS
11214	P13807	718	DTATSSSLSTPSE
11215	P13807	720	ATSSSLSTPSEPL
11216	P13807	723	SSLSTPSEPLSPT
11217	P14210	45	IHEFKKSAKTTLI
11218	P14210	103	LWFPFNSMSSGVK
11219	P14210	105	FPFNSMSGVKKE
11220	P14210	106	PFNSMSSGVKKEF
11221	P14210	135	IIIGKGRSYKGTVS
11222	P14210	141	SYKGTVSITKSGI
11223	P14210	145	TVSITKSGIKCQP
11224	P14210	153	IKCQPWSMIPHE
11225	P14210	154	KCQPWSSMIPHEH
11226	P14210	161	MIPHEHSFLPSSY
11227	P14210	165	EHSFLPSSYRGKD
11228	P14210	166	HSFLPSSYRGKDL
11229	P14210	192	GPWCFTSNPEVRY
11230	P14210	207	CDIPQCSEVECMT
11231	P14210	218	MTCNGESYRGLMD
11232	P14210	228	LMDHTESGKICQR
11233	P14210	331	PCQRWDSQYPHEH
11234	P14210	362	NPDGSES PWCFTT
11235	P14210	378	IRVGYCSQIPNCD
11236	P14210	386	IPNCMDMSHGQDCY
11237	P14210	404	NYMGNLSQLTRSGL
11238	P14210	408	NLSQTRSGLTCSM
11239	P14210	433	FWEPDASKLNENY
11240	P14210	467	WDYCPIISRCEGDT
11241	P14210	486	LDHPVISCAKTKQ
11242	P14210	510	NIGWMVSLRYRNK
11243	P14210	522	KHICGGSLIKESW
11244	P14210	538	ARQCFPSRDLKYD
11245	P14210	568	KQVLNVSQLVYGP
11246	P14210	595	VLDDFVSTIDLBN
11247	P14210	611	TIPEKTSCSVYGW
11248	P14210	613	PEKTSCSVYGWGY
11249	P14210	655	KVTLNESEICAGA
11250	P14314	34	HHFYDESKPFTCL
11251	P14314	43	FTCLDGSSATIPFD
11252	P14314	62	CDCKDGSDEPGTA
11253	P14314	74	AACPNGSFHCTNT
11254	P14314	108	GTDEYNSSVICEN
11255	P14314	126	GRKERESLQQMAE
11256	P14314	230	DMDGTVSVTELQT
11257	P14314	249	DGDGALSEAEAQA
11258	P14314	258	EAQALLSGDTQTD
11259	P14314	267	TQTDATSFYDRVW
11260	P14314	282	IRDKYRSEALPTD
11261	P14314	293	TDLPAPSSAPDLTE
11262	P14314	309	EQPPVPSPTEEE
11263	P14314	310	QPPVPSSPTEEE
11264	P14314	335	EEEEEDSEEAPPP
11265	P14314	343	EAPPPLSPPQPAS

11266	P14314	349	SPPQPASPAEEDK
11267	P14314	399	NLEQEISFDFGPN
11268	P14314	413	EFAYLYSQCYELT
11269	P14314	442	KPKLGGSPTSLGT
11270	P14314	445	LGGSPTSLGTWGS
11271	P14314	451	SLGTWGSIWGPDH
11272	P14314	461	PDHDKFSAMKYEQ
11273	P14314	478	WQGPNRSTTVRLL
11274	P14314	493	KETMVTSTTEPSR
11275	P14314	498	TSTTEPSRCEYLM
11276	P14316	18	LEEQINSNTIPGL
11277	P14316	98	EEVKDKSIKKGN
11278	P14316	115	YRMLPLSERPSKK
11279	P14316	119	PLSERPSKKGKP
11280	P14316	143	KQEPMVESLGLSN
11281	P14316	144	QEPVESSLGLSNG
11282	P14316	148	ESSLGLSNGVSDL
11283	P14316	152	GLSNGVSDLSPEY
11284	P14316	163	EYAVLTSTIKNEV
11285	P14316	181	IIVVGQSHLDNSI
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11287	P14316	209	VEVTTESDEQPVS
11288	P14316	215	SDEQPVSMSELYP
11289	P14316	225	LYPLQISPVSSYA
11290	P14316	228	LQISPVSSYAES
11291	P14316	229	QISPVSSYAES
11292	P14316	233	VSSYAESETTDSV
11293	P14316	238	ESETTDSVPSDEE
11294	P14316	241	TTDSVPSDEESAE
11295	P14316	245	VPSDEESAEGRPH
11296	P14316	264	EGKQYLSNMGTRG
11297	P14316	283	MASFVTSNKPDILQ
11298	P14316	296	VTIKEESNPVPYN
11299	P14316	303	NPVPYNSSWPPFQ
11300	P14316	304	PVPYNSSWPPFQD
11301	P14316	315	QDLPLSSSMTPAS
11302	P14316	316	DLPLSSSMTPASS
11303	P14316	321	SSSMTPASSSRPD
11304	P14316	322	SMTPASSSRPDRE
11305	P14316	323	MTPASSSRPDRET
11306	P14316	324	TPASSSSRPDRET
11307	P14316	333	DRETRASVIKKT
11308	P14317	11	VVGHDVSVSvetQ
11309	P14317	13	GHDVSVSvetQGD
11310	P14317	32	DFVNDISEKEQRW
11311	P14317	46	AKTIEGSGRTEHI
11312	P14317	62	QLRNKVSEEHVL
11313	P14317	75	RKKEMESGPKASH
11314	P14317	80	ESGPKASHGYGGR
11315	P14317	97	RDRMDKSAGHEY
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11317	P14317	112	EVEKHSSQTDAAK
11318	P14317	134	RDRADKSAGFDY
11319	P14317	149	EVEKHTSQKDYSR
11320	P14317	154	TSQKDYSRGFGGR
11321	P14317	186	ETEKHESQRDYAK
11322	P14317	208	KDRVDKSAGFNE
11323	P14317	232	TPIEAASSGTRGL

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11325	P14317	244	LKAKFESMAEEKR
11326	P14317	275	KAVTKRSPEAPQP
11327	P14317	299	PLPKKISSEAWPP
11328	P14317	300	LPKKISSEAWPPV
11329	P14317	311	PVGTPPSSESEPVR
11330	P14317	312	VGTPPSSESEPVR
11331	P14317	314	TPPSSESEPVRTS
11332	P14317	320	SEPVRTSREHPVP
11333	P14317	406	VLEPEDSFSSAL
11334	P14317	407	LEPEDSSFSSALA
11335	P14317	409	PEDSSFSSALAGS
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11337	P14317	415	SSALAGSSGCPAG
11338	P14317	416	SALAGSSGCPAGA
11339	P14317	432	AVALGISAVAVYD
11340	P14317	444	DYQGEGSDELSF
11341	P14410	101	WRPWNDLIPWCF
11342	P14410	123	QDMTTSIGVEAK
11343	P14410	145	FGNDINSVLFTTQ
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11345	P14410	200	VAQNPFSIQVIRK
11346	P14410	235	ISTRILPSDYIYGI
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11348	P14410	511	DMNEVSSFIQGST
11349	P14410	560	KQYDVHSLYGYSM
11350	P14410	565	HSLYGYSMAIATE
11351	P14410	583	VFPNKRSTFILTRS
11352	P14410	589	SFILTRSTFAGSG
11353	P14410	659	GAFYPFSSRNHNSD
11354	P14410	664	FSRNHNSDGYEHQ
11355	P14410	767	IWYDYESGAKRPW
11356	P14410	886	ILGLTDSVTEVRV
11357	P14410	928	NLGRNFSVQWNQI
11358	P14410	967	VWRTGSSLSKAPE
11359	P14410	982	FPRQDNSYSVNSA
11360	P14410	987	NSYSVNSARYSSM
11361	P14410	991	VNSARYSSMGITA
11362	P14410	992	NSARYSSMGITAD
11363	P14410	1012	ARIKLPSDPISTL
11364	P14410	1081	QIRRRESSGRVIWD
11365	P14410	1449	ILSDGTSVLHYDV
11366	P14410	1519	IGMMEEFLFGMSY
11367	P14410	1570	RRQDPASWNETFA
11368	P14410	1754	NQTTLTSTILKRG
11369	P14410	1765	RGYINKSETRLGS
11370	P14410	1771	SETRLGSLHVWGK
11371	P14410	1795	YNGNKNSLPFNED
11372	P14598	21	EKRFVPSQHYVYM
11373	P14598	36	VKWQDLSEKVVYR
11374	P14598	103	YCGTLMSLPTKIS
11375	P14598	109	SLPTKISRCPHLL
11376	P14598	147	MPKDGKSTATDIT
11377	P14598	171	ANYEKTSGSEMAL
11378	P14598	173	YEKTSGSEMALST
11379	P14598	178	GSEMALSTGDVVE
11380	P14598	189	VEVVEKSESFWWF
11381	P14598	191	VVEKSESFWFCQ

11382	P14598	208	RGWIPASFLEPLD
11383	P14598	215	FLEPLDSPDETED
11384	P14598	246	VEGDEVSLLEGEA
11385	P14598	277	VTGYFPSMYLQKS
11386	P14598	283	SMYLQKSQDVVSQ
11387	P14598	288	KSGQDVSAQRQI
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11389	P14598	315	HSHIQRSRKRLSQ
11390	P14598	359	ERQTQRSKPQPAV
11391	P14598	370	AVPPRPSADLILN
11392	P14598	379	LILNRCSESTKRK
11393	P14598	381	LNRCSESTKRKLA
11394	P14618	37	CRLDIDSPPITAR
11395	P14618	55	CTIGPASRSVETL
11396	P14618	57	IGPASRSVETLKE
11397	P14618	67	LKEMIKSGMNVAR
11398	P14618	77	VARLNFSHGTHEY
11399	P14618	97	VRTATESFASDPPI
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11401	P14618	127	TGLIKGSGTAEVE
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11403	P14618	182	VDDGLISLQVKQK
11404	P14618	202	EVENGGSLGSKKKG
11405	P14618	205	NGGSLGSKKGVNL
11406	P14618	222	VDLPAVSEKDIQD
11407	P14618	243	VDMVFASFIRKAS
11408	P14618	249	SFIRKASDVHEVR
11409	P14618	269	KNIKIISKIENHE
11410	P14618	287	DEILEASDGIMVA
11411	P14618	333	ATQMLESMIKKPR
11412	P14618	346	PTRAEGSDVANAV
11413	P14618	362	ADCIMLSGETAKG
11414	P14618	406	RLAPITSDPTEAT
11415	P14618	420	VGAVEASFKCCSG
11416	P14618	425	ASFKCCSGAIIVL
11417	P14618	434	IIVLTKSGRSAHQ
11418	P14618	437	LTKSGRSAHQVAR
11419	P14618	519	TGWRPGSGFTNTM
11420	P14625	38	EEDLGKSGREGSRT
11421	P14625	42	GKSREGSRTDDEV
11422	P14625	73	RELREKSEKFAFQ
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11427	P14625	213	DKVIVTSKHNNNDT
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11438	P14625	515	LLRFQSSHPTDI
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11452	P14635	35	TAPAATSKPGLRP
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11454	P14635	69	KKEAKPSATGKVI
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11545	P14859	366	SSLSSPSALNSPG
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11603	P15036	186	ENSHLT SVPHWIN
11604	P15036	193	VPHWIN SNTLGFG
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11615	P15036	289	ADSFESS DS LLQS
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11624	P15036	380	SDKSC QSF ISWTG
11625	P15036	383	SCQSF I SWTGDGW
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11627	P15036	434	NIIHKT S GKRYVY
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11722	P15172	214	DGMMDDYSGPPSGA
11723	P15172	218	DYSGPPSGARRN
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11726	P15172	247	GKSAAVSSLDCCLS
11727	P15172	248	KSAAVSSLDCLSS
11728	P15172	253	SSLDCLSSIVERI
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11731	P15172	263	ERISTESPAAPAL
11732	P15172	276	LLADVPSESPPRR
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11785	P15336	136	ETTHQDS PLPHPE
11786	P15336	168	AIVRPAS LQVPN
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11806	P15336	455	TEAIQHS SVTSN
11807	P15336	456	EAIQHSS VTSN SNG
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11824	P15391	153	PSGKLMS PKLYVW
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11839	P15391	383	SYGNPSS DVQADG
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11842	P15391	437	QLSQDG S GYENPE
11843	P15391	456	EDEDSF S NAESYE
11844	P15391	489	GSAWDP S REATSL
11845	P15391	497	EATSLG S QSYEDM

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11859	P15502	638	SSQHLP S TPSSPR
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11864	P15515	18	LMISMISAD S HEK
11865	P15515	39	FHEKHHS H REFPF
11866	P15529	13	RECPFP S WRFPGL
11867	P15529	30	MVLLLYS F SDACE
11868	P15529	32	LLLYSFS D ACEEP
11869	P15529	90	HTWLPVS D DACYR
11870	P15529	146	YCELKG S VAIWSG
11871	P15529	151	GSAIWSGKPPIC
11872	P15529	176	NGKHTF S EVEVFE
11873	P15529	190	LDAVTY S CDPAPG
11874	P15529	201	PGPD P F S LIGEST
11875	P15529	206	FSLIGE S TIYCGD
11876	P15529	214	IYCGDNSVWSRAA
11877	P15529	217	GDNSVWSRAAPEC
11878	P15529	240	ENGKQI S GFGKKF
11879	P15529	265	GFYLDGS D TIVCD
11880	P15529	272	DTIVCDSNSTWD P P
11881	P15529	274	IVCDSNS T WDPPV
11882	P15529	290	LKVLP P S T KPPA
11883	P15529	291	KVLPP S STKPPAL
11884	P15529	298	TKPPALSHSVSTS
11885	P15529	300	PPALSH S VSTSST
11886	P15529	302	ALSHSV S TSSTTK
11887	P15529	304	SHSV S STTKSP
11888	P15529	305	HSVST S STTKSPA
11889	P15529	309	TSSTTK S PASSAS
11890	P15529	312	TTKSP A SASGPR
11891	P15529	313	TKSPASSASGPRP
11892	P15529	315	SPASSASGPRPTY
11893	P15529	326	TYKPPV S NYPGYP
11894	P15529	341	EEGILD S LDVWVI
11895	P15927	11	GFESYGS S SYGGGA
11896	P15927	12	FESYG S SSYGGAG
11897	P15927	13	ESYG S SSYGGAGG
11898	P15927	39	SQAEKKS R R A QH
11899	P15927	52	IVPCTI S QLLSAT
11900	P15927	56	TISQLL S ATLVDE
11901	P15927	72	IGNVEI S QVTIVG
11902	P15927	114	VDTDDT S SENTVV
11903	P15927	115	DTDDT S SENTVV

11904	P15927	134	VAGHLRSFQNKK
11905	P15927	140	SFQNKKS L VAFKI
11906	P15927	170	NAHMVL S KANSQP
11907	P15927	174	VLSKANSQPSAGR
11908	P15927	177	KANSQPSAGR API
11909	P15927	184	AGR API SNPGMSE
11910	P15927	189	ISNPGM S EAGNFG
11911	P15927	198	GNFGGNSFMPANG
11912	P15927	238	NQLKHMSVSSIKQ
11913	P15927	240	LKHMSV S SIKQAV
11914	P15927	241	KHMSV S IKQAVD
11915	P15927	250	QAVDFL S NEGHIY
11916	P15927	257	NEGHIY S TVDDDH
11917	P15941	24	LTVVTG S GHASST
11918	P15941	71	SPGSGS S TTQGQD
11919	P15941	90	TEPASGS A TWGQ
11920	P15941	440	PAHGVT S APDTRP
11921	P15941	610	TRPAPG S TAPPAH
11922	P15941	962	HNVTSA S GSASGS
11923	P15941	966	SASGS A GSASTL
11924	P15941	968	SGSASGS A STLVH
11925	P15941	1015	STKTD A SSTHHSS
11926	P15941	1016	TKTD A SSTHHSSV
11927	P15941	1028	VPPLTSSNHSTSP
11928	P15941	1050	FLSFH I SNLQFNS
11929	P15941	1222	GRYVPP S STD_RSP
11930	P15941	1233	SPYEK V SAGNGGS
11931	P15976	8	EFPGL G SLGTSEP
11932	P15976	12	LGSILGT S EPLPQF
11933	P15976	25	VDPALV S TPESG
11934	P15976	30	VSSTPES G VFFPS
11935	P15976	36	SGVFFP S GPEGLD
11936	P15976	46	GLDAA A STAPST
11937	P15976	47	LDAAA S STAPSTA
11938	P15976	51	ASSTAP S TATAAA
11939	P15976	91	EGIPGG S PYAGWA
11940	P15976	107	TGLYP A STVCPTR
11941	P15976	116	CPTREDS P PQAVE
11942	P15976	131	DKG G STS F LETLK
11943	P15976	154	LGPALP S SLPVPN
11944	P15976	155	GPALP S SLPVPN
11945	P15976	161	SLPVPN S AYGGPD
11946	P15976	169	YGGPDF S STFFSP
11947	P15976	170	GGPDF S STFFSPT
11948	P15976	174	FSSTFF S PTGSPL
11949	P15976	182	TGSPLN S AAYSSP
11950	P15976	186	LNSAAY S SPKLRG
11951	P15976	251	KKRLIV S KRAGTQ
11952	P15976	274	LWRRNA S GDPVCN
11953	P15976	319	GKKKRGS S LGTTG
11954	P15976	320	KKKRG S SLGGTG
11955	P15976	341	MVVAGGS G SGNCNG
11956	P15976	343	VAGGSG S GNCGEV
11957	P15976	351	NCGEVA S GLTLGP
11958	P15976	373	LGPVVL S GPVSHL
11959	P15976	377	VLSGPV S HLMPFP
11960	P15976	393	LGSPTG S FPTGPM
11961	P15976	404	PMPP T TT S TTVVAP

11962	P16066	10	PRRPAGSRLRLLL
11963	P16066	30	LLLLRGSHAGNLT
11964	P16066	47	LPLANTSYPWSWA
11965	P16066	51	NTSYWPWSWARVGP
11966	P16066	161	TTRAGPSYAKLGD
11967	P16066	226	FAEDDLSHYTRLL
11968	P16066	246	RVIYICSSPDAFR
11969	P16066	279	LDIFGQSLQGGQG
11970	P16066	352	VNTIPASFHDGLL
11971	P16066	401	YLKIDSSGDRETD
11972	P16066	409	DRETDFSLWDMDP
11973	P16066	430	LNYNGTSQELVAV
11974	P16066	505	LEKELASELWRVR
11975	P16066	628	DILENESITLDWM
11976	P16066	664	HGNLKSSNCVVDG
11977	P16066	711	ELLRMASPPVRGS
11978	P16066	717	SPPVRGSQAGDVY
11979	P16066	724	QAGDVYSFGIILQ
11980	P16066	747	VEGLDLSPKEIIE
11981	P16066	766	QPPFRPSLALQSH
11982	P16066	771	PSLALQSHLEELG
11983	P16066	809	KFNRENSNILDN
11984	P16066	810	FNRENNSNILDNL
11985	P16066	818	ILDNLLSRMEQYA
11986	P16066	856	YQILPHSVAEQLK
11987	P16066	889	VGFTALSAESTPM
11988	P16066	931	DAYMVVSGLPVRN
11989	P16066	958	LLDAVRSFRIRHR
11990	P16066	1003	DTVNTASRMESNG
11991	P16066	1017	ALKIHLSETKAV
11992	P16066	1018	LKIHLSETKAVL
11993	P16070	18	LCLVPLSLAQIDL
11994	P16070	43	EKNGRYSISRTEA
11995	P16070	45	NGRYSISRTEAAD
11996	P16070	58	LCKAFNSTLPTMA
11997	P16070	71	QMEKALSIGFETC
11998	P16070	179	PTDDDVSSGSSSE
11999	P16070	180	TDDDVSSGSSSER
12000	P16070	182	DDVSSGSSSERSS
12001	P16070	183	DVSSGSSSERSS
12002	P16070	184	VSSGSSSERSTS
12003	P16070	188	SSSERSSSTGGYI
12004	P16070	190	SERSSTS GGIFY
12005	P16070	209	PIPDEDSPWITDS
12006	P16070	215	SPWITDSTDRIPA
12007	P16070	226	PATTLMSATSATAT
12008	P16070	228	TTLMSTSATATE
12009	P16070	246	ETWDWFSSWLFLPS
12010	P16070	305	DDEDFIGSSTISTTT
12011	P16070	306	DEDFIGSSTISTTP
12012	P16070	381	EEETPHSTSTIQA
12013	P16070	383	ETPHSTSTIQAATP
12014	P16070	390	TIQATPSSTTEET
12015	P16070	430	TGTAAAASHTSHP
12016	P16070	449	PSPEDSSWTDFFN
12017	P16070	478	DMDSSHISITLQPT
12018	P16070	562	LLEGYTSHYPHTK
12019	P16070	596	TVGDSNSNVNRSL

12020	P16070	627	SESDGHSHGSQEG
12021	P16070	630	DGHSHGSQEFGGAN
12022	P16070	656	WLIILASLLALAL
12023	P16070	717	HLVNKESSETPDQ
12024	P16150	20	SPDALGSTTAVQT
12025	P16150	35	SGEPLVSTSEPLS
12026	P16150	42	TSEPLSSKMYTTS
12027	P16150	48	SKMYTTSITSDPK
12028	P16150	51	YTTSITSDPKADS
12029	P16150	57	SDPKADSTGDQTS
12030	P16150	63	STGDQTSALPPST
12031	P16150	70	ALPPSTSINEGSP
12032	P16150	84	WTSIGASTGSPLP
12033	P16150	87	IGASTGSPLPEPT
12034	P16150	103	EVIKMSSVPQET
12035	P16150	104	VSIKMSSVPQETP
12036	P16150	114	ETPHATSHPAVPI
12037	P16150	139	GTITTNSPETSSR
12038	P16150	143	TNSPETSRTSGA
12039	P16150	144	NSPETSRTSGAP
12040	P16150	147	ETSSRTSGAPVTT
12041	P16150	156	PVTAAASSLETSR
12042	P16150	161	ASSLETSRGTSVP
12043	P16150	175	LTMATVSLetskG
12044	P16150	183	ETSKGTSGPPVTM
12045	P16150	193	VTMATDSELETSTG
12046	P16150	197	TDSLETSSTGTTGP
12047	P16150	219	EPSSGASGPQVSS
12048	P16150	229	VSSVKLSTMMMSPT
12049	P16150	233	KLSTMMSPTTSTN
12050	P16150	328	SGGDKGSGFPDGE
12051	P16150	336	FPDGEGSSRRPTL
12052	P16150	337	PDGEGSSRRPTLT
12053	P16150	365	EELKSGSGPSLKKG
12054	P16150	379	EEPLVASEDGAVD
12055	P16152	30	DLCRLFSGDVVLT
12056	P16152	56	LQAEGLSPRFHQL
12057	P16152	69	DIDDLQSIRALRD
12058	P16152	139	GRVVNVSSIMSVR
12059	P16152	140	RVVNVSISMSVRA
12060	P16152	143	NVSSIMSVRALKS
12061	P16152	149	SVRALKSPELQ
12062	P16152	151	RALKSCSPELQQK
12063	P16152	160	LQQKFRESETITEE
12064	P16152	191	QKEGWPSAYGVT
12065	P16152	192	KEGPWPSSAYGVTK
12066	P16152	205	IGVTVLRIHARK
12067	P16152	213	IHARKLSEQRKGD
12068	P16152	243	GPKATKSPPEGAE
12069	P16157	22	FLRAARSGNLDKA
12070	P16157	307	KTKNGLSPIHMAA
12071	P16157	396	LLKTGASIDAVTE
12072	P16157	433	GASPNVSNVKVET
12073	P16157	764	ASPNEVS SDGTTP
12074	P16157	794	VVTDETSFVLVSD
12075	P16157	826	EGEELISFKAERR
12076	P16157	834	KAERRDSDRVDEE
12077	P16157	892	EDSLIPS SPATET

12078	P16157	903	ETSDNISPVASPV
12079	P16157	925	VDARGGSMRGSRH
12080	P16157	960	VKPQKLSSTPPPLA
12081	P16157	973	EEGLASRIIALG
12082	P16157	1011	ELVVLRSENGSVW
12083	P16157	1154	RIPLPPSWTDNPR
12084	P16157	1175	SLRLLCSVGTD
12085	P16157	1312	KAAQQRSFHQS
12086	P16157	1370	PPCAKGSGAEDRR
12087	P16157	1417	SEHLGLSWAELAR
12088	P16157	1442	RVENPNSLLEQSV
12089	P16157	1447	NSLLEQSVALLNL
12090	P16157	1490	EGSGRQSRNLKPD
12091	P16157	1533	LGCALSSPLRADQ
12092	P16157	1584	VTAEDSSLECSKA
12093	P16157	1617	RGPELGSLELVED
12094	P16157	1646	QEEGQRSEEKLPG
12095	P16157	1690	THSPTVSQVTERS
12096	P16157	1696	SQVTTERSQDRLQD
12097	P16157	1731	VTQGPHSFQGTST
12098	P16157	1736	HSFQGTSTMTEGL
12099	P16157	1756	YEKVLVSVSEHTW
12100	P16157	1770	EQPEAESSQADRD
12101	P16157	1872	DYFMKHSKDHTST
12102	P16220	12	GAENQQSGDAAVT
12103	P16220	40	ATLAQVSMPAAHA
12104	P16220	48	PAAHATSSAPTVT
12105	P16220	49	AAHATSSAPTVTL
12106	P16220	76	IQAAQPSVIQSPQ
12107	P16220	80	QPSVIQSPQVQTV
12108	P16220	88	QVQTQVQSSCKDLK
12109	P16220	89	VQTQVQSSCKDLKR
12110	P16220	98	DLKRLFSGTQIST
12111	P16220	103	FSGTQISTIAESE
12112	P16220	108	ISTIAESEDSQES
12113	P16220	111	IAESEDSQEVDS
12114	P16220	114	SEDSQESVDSVTD
12115	P16220	117	SQESVDSVTDSQK
12116	P16220	121	VDSVTDSQKRREI
12117	P16220	129	KRREILSRRPSYR
12118	P16220	143	ILNDLSSDAPGVP
12119	P16220	156	RIEEEKSEEETSA
12120	P16220	161	KSEEETSSAPAITT
12121	P16220	178	TPIYQTSSGQYIA
12122	P16220	179	PIYQTSSGQYIAI
12123	P16220	237	QQILVPSNQVVVQ
12124	P16220	246	VVVQAASGDVQTY
12125	P16220	260	IRTAPTSTIAPGV
12126	P16220	270	PGVVMASSPALPT
12127	P16234	43	KVVQLNSSFSLRC
12128	P16234	56	FGESEVSWQYPMS
12129	P16234	89	TVLEVSSASAHT
12130	P16234	171	EGVVPASYDSRQG
12131	P16234	212	YALKATSELDLEM
12132	P16234	322	EIKPTFSQLEAVN
12133	P16234	377	QEIRYRSKLKLIR
12134	P16234	389	RAKEEDSGHYTIV
12135	P16234	404	NEDAVKSYTfell

12136	P16234	416	LTQVPSSILDLV
12137	P16234	427	VDDHHG\$TGGQTV
12138	P16234	470	ILANNVSNIITEI
12139	P16234	541	LVIVII\$LIVLVV
12140	P16234	635	LKPTARSSEKQAL
12141	P16234	719	ADESTRSYVILSF
12142	P16234	776	KKSMULDSEVKNLL
12143	P16234	787	LLSDDNSEGLTL
12144	P16234	797	TLLDLLSFTYQVA
12145	P16234	847	RDIMHDSNYVSKG
12146	P16234	854	NYVSKGSTFLPVK
12147	P16234	876	NLYTTLSDVWSYG
12148	P16234	890	LLWEIFSLGGTPY
12149	P16234	903	PGMMVDS\$TFYNKI
12150	P16234	923	KPDHAT\$EVYEIM
12151	P16234	947	PSFYHL\$EIVENL
12152	P16234	961	PGQYKK\$YEKIHL
12153	P16234	984	ARMRVDSDNAYIG
12154	P16234	1016	QRLSADS\$GYIIP
12155	P16234	1042	KRNRHSSQTSEES
12156	P16234	1048	SQTSEESAIETGS
12157	P16234	1054	SAIETGS\$SSSTFI
12158	P16234	1080	DDIGID\$SDLVED
12159	P16234	1081	DIGID\$SDLVEDS
12160	P16284	23	LTLLLC\$SLEGQE
12161	P16284	41	NSVDMKS\$LPDWT
12162	P16284	65	ADVSTTS\$HVKPQH
12163	P16284	86	VLFYNIS\$MKSTE
12164	P16284	87	LFYNISS\$MKSTES
12165	P16284	104	EVRIYDS\$GTYKCT
12166	P16284	153	IVRVNC\$VPEEK
12167	P16284	203	EQDRVLS\$FRCQAR
12168	P16284	212	CQARIIS\$GIHMQT
12169	P16284	221	HMQTSE\$TKSELV
12170	P16284	224	TSESTK\$ELVTVT
12171	P16284	234	TVTESF\$TPKFHI
12172	P16284	241	TPKFHIS\$PTGMIM
12173	P16284	299	MAMVEHS\$GNYTCK
12174	P16284	333	KPELESS\$THLDQ
12175	P16284	346	GERLNLS\$CSIPGA
12176	P16284	348	RLNLSC\$IPGAPP
12177	P16284	377	DFTKIAS\$KSDSGT
12178	P16284	379	TKIASK\$DSGTYI
12179	P16284	397	DKVVKK\$NTVQIV
12180	P16284	433	IEVRCES\$ISGTL
12181	P16284	441	SGTLPIS\$YQLLKT
12182	P16284	448	YQLLKTS\$KVLENS
12183	P16284	489	SHAKMLS\$EVLRVK
12184	P16284	506	VDEVQIS\$ILSSKV
12185	P16284	529	CAVNEG\$GPITYK
12186	P16284	583	RANHASS\$VPRSKI
12187	P16284	587	ASSVPRS\$KILT
12188	P16284	638	QMPVEMS\$RPAVPL
12189	P16284	696	YTEVQVS\$AESHK
12190	P16284	700	QVSSAES\$HKDLGK
12191	P16284	714	DTETVYS\$EVRKAV
12192	P16284	729	AVESRYS\$RTEGSL
12193	P16401	44	ATGPPV\$ELITKA

12194	P16401	54	TKAVAAS KERNGL
12195	P16401	61	KERNGLS LAALKK
12196	P16401	81	DVEKNNS RIKLGL
12197	P16401	89	IKLGLKS LVSKG <small>T</small>
12198	P16401	92	GLKSLVS KGTLVQ
12199	P16401	105	TKGTGAS GSKFLN
12200	P16401	116	LNKKAAS GEAKPK
12201	P16410	49	PAVVLAS SRGIAS
12202	P16410	50	AVVLASS RGRIASF
12203	P16410	55	SSRGIAS FVCEYA
12204	P16410	62	FVCEYAS PGKATE
12205	P16410	79	VLRQADS QVTEVC
12206	P16410	101	LTFLDD SICTGTS
12207	P16410	107	SICTGTS SGNQVN
12208	P16410	108	ICTGTSS GNQVNL
12209	P16410	160	PEPCPDS DFLLWI
12210	P16410	171	WILAAVS SGLFFY
12211	P16410	172	ILA AVS SLKF <small>Y</small>
12212	P16410	178	SGLFFY S FLLTAV
12213	P16410	185	FLLTAV S LSKMLK
12214	P16410	187	LTAVS LS KMLKKR
12215	P16410	194	KMLKKRS PLTTGV
12216	P16435	10	SHVDTSS TVSEAV
12217	P16435	13	DTSSTV SEAVAE
12218	P16435	21	AVAEEVS LFSMTD
12219	P16435	24	EEVSLF SMTDMIL
12220	P16435	32	TDMILF S LIVG <small>LL</small>
12221	P16435	62	KIQLT SVRESS
12222	P16435	63	IQTLT SVRESS F
12223	P16435	67	TSSVRES SFVEKM
12224	P16435	68	SSVRES FVEKMK
12225	P16435	86	IIVFYGS QTGTAE
12226	P16435	99	EFA NRLS KDAHRY
12227	P16435	111	YGMRGMSADPEEY
12228	P16435	124	DLADL SSL PEIDN
12229	P16435	164	ETDV DLS GVKFAV
12230	P16435	241	ATGEESS IRQYEL
12231	P16435	308	HLELD DIS SKIRY
12232	P16435	310	ELDIS SD SKIRYES
12233	P16435	316	SKIRYES GDHVAV
12234	P16435	347	DLDVV VMS LNNLDE
12235	P16435	355	NNLDEES NKKHPF
12236	P16435	394	ELAQY ASEPSEQE
12237	P16435	397	QYASEP S EQELLR
12238	P16435	408	LRKMASS S GECKE
12239	P16435	409	RKMASS SS GECKEL
12240	P16435	418	GKELY LS WVVEAR
12241	P16435	436	ILQDCP S LRPPID
12242	P16435	457	LQARYYS IASSSK
12243	P16435	460	RYYSIAS SSKVHP
12244	P16435	462	YSIAS SSKVHPNS
12245	P16435	468	SKVHPNS VHICAV
12246	P16435	569	YYGCRRS DEDYLY
12247	P16435	596	QLNVAF SREQSHK
12248	P16435	600	AFSREQ SHKVYVQ
12249	P16930	10	IPVAED SD DFPIHN
12250	P16930	23	LPYGVF STRGDPR
12251	P16930	44	DQILD L SIKHLF

12252	P16930	56	FTGPVLSKHQDVF
12253	P16930	69	NQPTLNSFMGLGQ
12254	P16930	90	FLQNLLSVSQARL
12255	P16930	92	QNLLSVSQARLRD
12256	P16930	109	RKCAFISQASATM
12257	P16930	112	AFISQASATMHP
12258	P16930	129	DYTDFYSSRQHAT
12259	P16930	130	YTDFYSSRQHATN
12260	P16930	164	GYHGRASVVVSG
12261	P16930	165	YHGRASSVVSGT
12262	P16930	169	ASSVVVSGTPIRR
12263	P16930	185	QMKPDDSKPPVYG
12264	P16930	219	GEPPIPIKAHEHI
12265	P16930	235	VLMNDWSARDIQK
12266	P16930	254	GPFLGKSFGTTVS
12267	P16930	260	SFGTTVS PWVVP
12268	P16930	300	TFDINLSVNWKGE
12269	P16930	309	LKGEGMSQAATIC
12270	P16930	317	AATICKSNFKYMY
12271	P16930	334	QQLTHHSVNGCNL
12272	P16930	348	PGDLLASGTISGP
12273	P16930	352	LASGTISGPEPEN
12274	P16930	361	EPEENFGSMLELSW
12275	P16930	366	GSMLELSWKGTKP
12276	P16949	28	LILSPRSKESVPE
12277	P16949	46	PKKKDLLEEIQK
12278	P16949	94	EENNFFSKMAEEK
12279	P16949	139	VRKNKESKDPADE
12280	P17096	8	SESSSKSQPLAS
12281	P17096	9	ESSSKSSQPLASK
12282	P17096	14	SSQPLASKQEKG
12283	P17096	64	RGRPKGSKNKGAA
12284	P17302	18	DKVQAYSTAGGKV
12285	P17302	27	GGKVWLSSVLIFR
12286	P17302	43	LGTAVESAWGDEQ
12287	P17302	50	AWGDEQS AFRCNT
12288	P17302	69	NVCYDKSFPI SHV
12289	P17302	73	DKSFPI SHVRFWV
12290	P17302	86	LQIIFVSVPTLLY
12291	P17302	158	LRTYIIISILFKSI
12292	P17302	163	ISILFKSIFEVAF
12293	P17302	180	WYIYGFSL SAVYT
12294	P17302	182	IYGFSL SAVYTCK
12295	P17302	201	QVDCFLSRPTEKT
12296	P17302	217	IFMLVVS LVSLAL
12297	P17302	220	LVVSLVSLALNII
12298	P17302	244	DRVKGKS DPYHAT
12299	P17302	251	DPYHATSGALSPA
12300	P17302	272	AYFNGCSSPTAPL
12301	P17302	273	YFNGCSSPTAPL
12302	P17302	279	SPTAPLSPMSPPG
12303	P17302	282	APLSPMSPPGYKL
12304	P17302	296	TGDRNNNSCRNYN
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12307	P17302	364	IVDQRPS SRASSR
12308	P17302	372	RASSRAS SRPRPD
12309	P17612	15	KGSEQESVKEFLA

12310	P17612	33	FLKKWESPAQNTA
12311	P17612	54	KTLGTTGSFGRVML
12312	P17612	110	LVKLEFSFKDNSN
12313	P17612	115	FSFKDNSNLYMVM
12314	P17612	131	PGGEMFSHLRRIG
12315	P17612	160	TFEYLHSLDLIYR
12316	P17612	213	APEIILSKGYNKA
12317	P17612	253	IYEKIVSGKVRFP
12318	P17612	260	GKVRFPSSHFSSDL
12319	P17612	263	RFPHFSSDLKDL
12320	P17612	264	FPSHFSSDLKDLL
12321	P17612	326	KGPGDTSNFDDYE
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12323	P17661	13	SSQRVSSYRRTFG
12324	P17661	31	PLGSPLSSPVFPR
12325	P17661	32	LGSPLSSPVFPRA
12326	P17661	42	PRAGFGSKGSSSS
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12329	P17661	47	GSKGSSSSVTSRV
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12331	P17661	51	SSSSVTSRVYQVS
12332	P17661	57	SRVYQVSRSGGA
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12336	P17661	92	GELLDFTSLADAVN
12337	P17661	231	LERRIESLNEEIA
12338	P17661	266	QVEMDMSKPDLTA
12339	P17661	290	IAAKNISEAEEWY
12340	P17661	298	AEEWYKSKVSDLT
12341	P17661	301	WYKSKVSDLTQAA
12342	P17661	330	YRHQIQSYTCEID
12343	P17661	344	LKGTNDSLQRQMR
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12348	P17661	432	LNFRETSPEQRGS
12349	P17661	438	SPEQRGSEVHTKK
12350	P17661	460	RDGEVVSEATQQQ
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12377	P17707	29	PDANQGS GDLRTI
12378	P17707	38	LRTIPRSEWDILL
12379	P17707	50	LKD VQCS II SVTK
12380	P17707	53	VQCSI ISVTKTDK
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12384	P17707	73	ESSMFVSKRRFIL
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12406	P17707	324	YNFVFTSF AKKQQ
12407	P17735	9	PYMIQMS SKGNLP
12408	P17735	10	YMIQMSS KGNLPS
12409	P17735	16	SKGNLPS IL DVHV
12410	P17735	28	VNVGGRSS VPGKM
12411	P17735	29	NVGGRSS VPGKM
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12413	P17735	46	RWSVRPS DMAKKT
12414	P17735	75	PNKTMIS L SIGDP
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12418	P17735	117	PSIGFLS SREEIA
12419	P17735	118	SIGFLSS REEIAS
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12422	P17735	145	ILTSGCS QAIDL C
12423	P17735	170	VPRPGFSL YK TLA
12424	P17735	178	YKT LAE SMGIEVK
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12477	P17931	96	PSSGQPSATGAYP
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12479	P17931	194	SVFPFESGKPFKI
12480	P17931	232	KKLNEISKLGISG
12481	P17931	237	ISKLGISGDIDL
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12483	P17936	31	ARAGASSAGLGPV

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12513	P17948	496	FILDADSNMGNRI
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12522	P17948	968	SSESFASSGFQED
12523	P17948	969	SESFASSGFQEDK
12524	P17948	978	QEDKSLSDVEEEE
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12535	P17948	1291	SDVSRPSFCHSSC
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12538	P17987	12	SVFGDRSTGETIR
12539	P17987	19	TGETIRSQNVMAA
12540	P17987	27	NVMAAASIANIVK
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12553	P17987	240	IACLDFS LQKTKM
12554	P17987	268	QIRQRESDITKER
12555	P17987	323	KRIAKASGATILS
12556	P17987	329	SGATILSTLANLE
12557	P17987	372	NTKARTSASIILR
12558	P17987	374	KARTSASIILRGA
12559	P17987	391	CDEMERSLHDALC
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12566	P17987	460	VNAAQDSTDVLVAK
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12569	P17987	537	IKLHPESKDDKHG
12570	P17987	544	KDDKHGS YEDAVH
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12572	P18031	15	QIDKSGSWAAIYQ
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12578	P18031	118	RVMEKGSLKCAQY
12579	P18031	146	LKLTLISEDIKSY
12580	P18031	151	ISEDIKS YYTVRQ
12581	P18031	187	DFGVPE SPASFLN
12582	P18031	190	VPESPASFLNLF
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12584	P18031	203	KVRESGSLSPEHG
12585	P18031	205	RESGSLSP EHGPV
12586	P18031	216	PVVVHCSAGIGRS
12587	P18031	222	SAGIGRS GTFCLA
12588	P18031	270	ADQLRF SYLAVIE
12589	P18031	285	KFIMGDSSVQDQW
12590	P18031	286	FIMGDSSVQDQWK
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12595	P18031	393	PAKGEPSLPEKDE
12596	P18031	404	DEDHALSYWKPFL
12597	P18124	102	RGINGVS PKVRKV
12598	P18124	129	VKLNKAS INMLRI
12599	P18124	149	GYPNLKSVNELIY

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12601	P18124	214	LWPFKL S SPRGGM
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12606	P18206	117	GSRGIL S GTS DLL
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12610	P18206	238	FTVEKMSAEINEI
12611	P18206	252	RVLQLT S WDED AW
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12613	P18206	288	GWLRDP S ASPGDA
12614	P18206	346	ARGQGSS S PVAMQK
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12616	P18206	383	MTNSKQS I AKKID
12617	P18206	434	RDDILRS L GEISA
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12626	P18206	820	QKSFLD S GYRILG
12627	P18206	914	EARKWSS K PGIPA
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12629	P18206	1009	RLVRGG S GTKRAL
12630	P18206	1026	KDIAKAS E DEVTRL
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12638	P18509	24	MHSSVYS S PAAG
12639	P18509	25	HSSVYSS P AAAGL
12640	P18509	56	LPDFDG S EPPGAG
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12651	P18669	23	NLENRFS G WYDAD
12652	P18669	31	WYDADL S PAGHEE
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12654	P18669	118	VKIWRR S YDVPPP
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12669	P18754	108	DTSVEGSEMVPKG
12670	P18754	125	EKVVQVSAGDSHT
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12673	P18754	179	PVVKVASGNDHLV
12674	P18754	233	KCVMLKSRGSRGH
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12679	P18754	292	LTSFKNSTKSWVG
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12683	P18754	317	SEGKAYSLGRAEY
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12685	P18754	348	SRLPAVSACGA
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12710	P18887	219	PGALFFSRINKTS
12711	P18887	224	AATLQASSAASSA
12712	P18887	229	ASSAASSASPVR
12713	P18887	236	SSASPVSRAIGST
12714	P18887	268	RAIGSTS
12715	P18887	328	PKQESP PAQLSPSVPKRPK GVVVVLSGFQNP

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12717	P18887	416	SEEDEASHSGGGSG
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12719	P18887	578	ELEDNMSDRVQFV
12720	P18887	593	AQEWDPSFEEALM
12721	P18887	603	ALMDNPSLAFVRP
12722	P18887	614	RPRWIYSCNEKQK
12723	P19021	23	SCLAFRSPLSVFK
12724	P19021	39	ETTRPFSNECLGT
12725	P19021	55	VVPIDSSDFALDI
12726	P19021	71	GVTPKQSDTYFCM
12727	P19021	78	DTYFCMSMRIPVD
12728	P19021	97	DFKPRASMDTVHH
12729	P19021	117	MPSSTGSYWFCDE
12730	P19021	182	DNNKDCSGVSLHL
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12733	P19021	246	HLGKVVSGYRVRN
12734	P19021	353	IPIPVKSDMVMMH
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12741	P19021	654	SDGYCNSRIVQFS
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12743	P19021	662	IVQFSPSGKFITQ
12744	P19021	674	QWGEESSGSSPLP
12745	P19021	788	PHDIVASEDGTVY
12746	P19021	816	EKLEHRSVKKAGI
12747	P19021	845	ENKPTSSELQKMQ
12748	P19021	862	LIKEPGSGVPVVL
12749	P19021	898	SRAFGDSEHKLET
12750	P19021	905	EHKLETSGRVLG
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12752	P19021	957	EDDGSESEEEYSA
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12759	P19022	122	QVAVKLSLKPTLT
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12761	P19022	148	VFPRQFSKHSGHL
12762	P19022	185	ELVRIRSDRDKNL
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12788	P19113	56	DPDSWDSIFGDIE
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12821	P19174	87	IRPGKTSRDFDRY
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12918	P19419	416	ISVDGL STPVVLS
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13155	P20138	158	TLEPGHS KNLTCS
13156	P20138	164	SKNLTC S VSWACE
13157	P20138	166	NLTCSV S WACEQG
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13159	P20138	181	PIFSWLS AAPTS L
13160	P20138	186	LSAAPT S LGPRTT
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13171	P20138	351	FHGMNPS KDTSTE
13172	P20138	355	NPSKDT S TEYSEV
13173	P20155	20	AVTFAASL IPQFG
13174	P20155	29	PQFGLFS SKYRTPN
13175	P20155	37	YRTPNCS QYRLPG
13176	P20155	54	FNPVCGS DMSTYA
13177	P20155	57	VCGSDMS TYANEC
13178	P20336	14	RYGQKES SDQNFD
13179	P20336	15	YGQKES DQNF DY

13180	P20336	31	ILIIGNSSVGKTS
13181	P20336	32	LIIGNSSVGKTSF
13182	P20336	37	SSVGKTSFLFRYA
13183	P20336	46	FRYADDSFTPAFV
13184	P20336	53	FTPAFVSTVGIDF
13185	P20336	109	DITNEESFNAVQD
13186	P20336	117	NAVQDWSTQIKTY
13187	P20336	124	TQIKTYSWDNAQV
13188	P20336	146	EDERVVSERGRQ
13189	P20336	147	DERVVSSERGRQL
13190	P20336	165	FEFFEASAKDNIN
13191	P20336	188	VICEKMSESLEDTA
13192	P20336	190	CEKMSESLDTADP
13193	P20336	208	KQGPQLSDQQVPP
13194	P20338	27	NAGTGKSCLLHQF
13195	P20338	42	KKFKDDSNHTIGV
13196	P20338	52	IGVEFGSKIINVG
13197	P20338	77	GQERFRSVTRSYY
13198	P20338	81	FRSVTRSYYRGAA
13199	P20338	97	LVYDITSRETYNA
13200	P20338	116	DARMLASQNIVII
13201	P20338	142	VTFLEASRFAQEN
13202	P20338	156	LMFLETSALTGEN
13203	P20338	180	IILNKIESGELDPE
13204	P20338	190	DPERMGSGIQQYGD
13205	P20366	14	AVFFLVSTQLFAE
13206	P20366	32	DDLNYWSDWYDSD
13207	P20366	37	WSDWYDSDQIKEE
13208	P20366	75	GKRDADESSIEKQV
13209	P20366	76	KRDADSSIEKQVA
13210	P20366	94	YGHGQISHKRHKT
13211	P20366	102	KRHKTDSFVGLMG
13212	P20366	114	GKRALNSVAYERS
13213	P20366	120	SVAYERSAMQNYE
13214	P20393	20	ITYIGSSGSSPSR
13215	P20393	23	IGSSGSSPSRTSP
13216	P20393	25	SSGSSPSRTSPES
13217	P20393	31	SRTSPESLYSDNS
13218	P20393	34	SPESLYSDNSNGS
13219	P20393	37	SLYSDNSNGSFQS
13220	P20393	40	SDNSNGSFQLTQ
13221	P20393	43	SNGSFQLTQGCP
13222	P20393	67	TQDPARSFGSIIPP
13223	P20393	80	SLSDDGSPPSSSS
13224	P20393	83	DDGSPSSSSSSSS
13225	P20393	84	DGSPSSSSSSSS
13226	P20393	85	GSPSSSSSSSSSS
13227	P20393	87	PSSSSSSSSSSSS
13228	P20393	88	SSSSSSSSSSSSSF
13229	P20393	91	SSSSSSSSSFYNG
13230	P20393	93	SSSSSSSFYNGSP
13231	P20393	98	SSFYNGSPPGSLQ
13232	P20393	114	EDSSRVSPSKSTS
13233	P20393	176	LKNENCSIVRINR
13234	P20393	195	RFKKCLSVGMSRD
13235	P20393	199	CLSVGMSRDAVRF
13236	P20393	240	QCPLETSPTQHPT
13237	P20393	253	PGPMGPSPPPAPV

13238	P20393	322	ANHASGSPPATTP
13239	P20393	364	LRQAPSSYPPTWP
13240	P20393	377	PGPAHHSCHQSN
13241	P20393	428	MYPHGRSGRTVQE
13242	P20393	486	LMVRFA\$LFNVKD
13243	P20393	504	LSRTTYSLQELGA
13244	P20393	524	SAMFDFSEKLN
13245	P20472	20	KAVGAFSATDSFD
13246	P20472	24	AFSATDSFDHKKF
13247	P20472	40	VGLKKKSADDVKK
13248	P20472	56	MLDKDKSGFIEED
13249	P20472	72	FILKGFSPDARDL
13250	P20472	79	PDARDL\$AKETKM
13251	P20591	17	ADPAAASHPLL
13252	P20591	35	AQKNPGSVAENN
13253	P20591	43	AENNLC\$QYEEKV
13254	P20591	58	CIDLIDSRLALGV
13255	P20591	80	AVIGDQS\$GKSSV
13256	P20591	81	VIGDQS\$GKSSVL
13257	P20591	84	DQSSGK\$SVLEAL
13258	P20591	99	VALPRGSGIVTRC
13259	P20591	125	KWRGKV\$YQDYEI
13260	P20591	134	DYEIEISDASEVE
13261	P20591	137	IEISDASEVEKEI
13262	P20591	158	GEGMGISHELITL
13263	P20591	167	LITTLEISSRDVPD
13264	P20591	168	ITLEISSRDVPDL
13265	P20591	213	QRQETISLVVPS
13266	P20591	219	SLVVVPSNVDIAT
13267	P20591	230	ATTEALSMAQEVD
13268	P20591	293	QDQLSL\$EALQRE
13269	P20591	338	I\$THICKSLPLLEN
13270	P20591	415	HEFHKW\$TIENNN
13271	P20591	488	LAFTDVS\$IKNFEE
13272	P20591	504	LHRTAKSKIEDIR
13273	P20591	558	EEKKKKSWDFGAF
13274	P20591	566	DFGAFQ\$SSATDS
13275	P20591	567	FGAFQ\$SSATDSS
13276	P20591	568	GAFQ\$SSATDSSM
13277	P20591	572	SSSATDSSMEEIF
13278	P20591	573	SSATDSSMEEIFQ
13279	P20591	589	AYHQEA\$KRISH
13280	P20591	593	EASKRIS\$HIPLI
13281	P20591	594	ASKRISS\$HIPLII
13282	P20591	627	QDKDTYSWLLKER
13283	P20591	637	KERSDTS\$DKRKFL
13284	P20749	41	RPLRAP\$PEPAAP
13285	P20749	99	PTRAMGS\$PFPLVN
13286	P20749	122	PMEHPL\$ADIAMA
13287	P20749	186	VITTLPS\$VRLLV
13288	P20749	217	LACEHRS\$PTCLRA
13289	P20749	227	LRALLDSAAPGTL
13290	P20749	275	DAVDIK\$GRSPLI
13291	P20749	278	DIKSGRS\$PLIHAV
13292	P20749	288	HAVENN\$LSMVQL
13293	P20749	290	VENNSL\$MVQLLL
13294	P20749	308	VNAQMY\$GSSALH
13295	P20749	311	QMYSGSSALHSAS

13296	P20749	315	GSSALHSASGRGL
13297	P20749	317	SALHSASGRGLLP
13298	P20749	335	VRSGADS SLKNCH
13299	P20749	336	RSGAD SS SLKNCHN
13300	P20749	351	PLMVAR S RRVIDI
13301	P20749	367	KATRPAS T SQPD P
13302	P20749	369	TRPAST S QPD P SP
13303	P20749	374	TSQPD P S P DRSAN
13304	P20749	378	DPSPDR S ANTSPE
13305	P20749	382	DRSANT S PESSSR
13306	P20749	385	ANTSPE S SSRLSS
13307	P20749	390	ESSSRL S SNGLLS
13308	P20749	396	SSNGLL S SASPSSS
13309	P20749	398	NGLLSAS P SSPS
13310	P20749	400	LLSASP S SSPSQS
13311	P20749	401	LSASP S SPSQSP
13312	P20749	404	SPSSSP S QSPPRD
13313	P20749	425	PNFFLP S SPPAF
13314	P20749	427	FFLPSP S PPAFLP
13315	P20908	11	TRWKAR S ALRPG A
13316	P20908	68	CATRRSSKGPDVA
13317	P20908	94	KQLYPASAFPEDF
13318	P20908	112	VKA KGS QAFLVS
13319	P20908	118	SQAFLV S IYNEQG
13320	P20908	135	GLELGR S PVFLYE
13321	P20908	161	FRGINIL S DGKWH R
13322	P20908	194	TKFLDR S DHPMID
13323	P20908	241	DYCEHY S PDCDTA
13324	P20908	254	VPDTPQ S QDPNPD
13325	P20908	293	GKEPTPSKKPVEA
13326	P20908	324	APMPET S EGAGKE
13327	P20908	343	DYDYVP S EDYYTP
13328	P20908	350	EDYYTP S PYDDL T
13329	P20908	379	GAEIPT S STADTSN
13330	P20908	384	TSTADTSNSNNPA
13331	P20908	425	PYYDPT S SPSEIG
13332	P20908	428	DPTSSP S EIGPGM
13333	P20908	578	PVGPPG S GGLKGE
13334	P20908	614	RRGRAG S DGARGM
13335	P20908	884	RQGP KGS IGFPGF
13336	P20908	936	PGPKGN S GGDGP A
13337	P20908	1169	EPGQK GKS KGD KGE
13338	P20908	1194	IGQPGP S GADGE P
13339	P20908	1317	KGESGP S GAAGPP
13340	P20908	1337	DDGPK GKS PGPVGF
13341	P20908	1454	EQGLPG S PGPDGP
13342	P20908	1617	IFGSLN S LKLEIE
13343	P20908	1702	PKENPG S WFSEFK
13344	P20908	1735	TFLRLL S SASAHQ N
13345	P20908	1737	LRLLSASAHQ N VT
13346	P20908	1759	QDAATG S YDKALR
13347	P20908	1769	ALRFLG S NDEEMS
13348	P20933	24	QALVRC S SPLPLV
13349	P20933	25	ALVRC S SPLPLVV
13350	P20933	49	AWRALAS GGS ALDAVE
13351	P20933	52	ALASGG S ALDAVE
13352	P20933	59	ALDAVE S GCAMCE
13353	P20933	72	REQCDG S VGFGGS

13354	P20933	78	SVGFGGS S PDELGE
13355	P20933	131	TLLVGE S ATTFAQ
13356	P20933	138	ATTFAQ S MGFINE
13357	P20933	147	FINEDL S TTASQA
13358	P20933	151	DLSTTASQALHSD
13359	P20933	156	ASQALHS D WLARN
13360	P20933	176	NVIPDPS K YCGPY
13361	P20933	223	HIAAGT S TNGIKF
13362	P20933	238	HGRVGDS P PIPGAG
13363	P20933	269	LMRFLPS Y QAVEY
13364	P20933	291	ACQKVIS R IQKHF
13365	P20933	312	CANVTGS Y GAACN
13366	P20933	321	AACNKLS T FTQFS
13367	P20933	327	STFTQFS F MVYNS
13368	P20933	333	SFMVYN S EKNQPT
13369	P21127	38	IKRLKNS D DRDSK
13370	P21127	43	NSDDRDS K RDSLE
13371	P21127	65	EITIRNS P YRRED
13372	P21127	72	PYRREDS M EDRGE
13373	P21127	82	RGEEDDS L AIKPP
13374	P21127	113	EKRRHRS H SAEGG
13375	P21127	161	EMAREHS R RERDR
13376	P21127	223	TMREDYS D KVKAS
13377	P21127	229	SDKVKASHWSRSP
13378	P21127	234	ASHWSRS PP PRPPR
13379	P21127	277	EERDLLS D LQDIS
13380	P21127	283	SDLQDIS D SERKT
13381	P21127	294	KTSSAES S SAESG
13382	P21127	301	SSAESGS G SEEEE
13383	P21127	303	AESGSGS E EEEEEE
13384	P21127	318	EEEEEGS T SEESE
13385	P21127	320	EEEGST S EESEE
13386	P21127	341	EETGSN S EEASEQ
13387	P21127	353	QSAEEV S EEEMSE
13388	P21127	358	VSEEEM S EDEERE
13389	P21127	384	DRDSGE S EEAEEE
13390	P21127	507	REIVVGS N MDKIY
13391	P21127	525	VEHDLKS L METMK
13392	P21127	571	TSNLLLSHAGILK
13393	P21127	616	LGAKEYS T AVDMW
13394	P21127	642	PLFPGK S EIDQIN
13395	P21127	658	KDLGTP S EKIWPB
13396	P21127	693	RFGALLS D QGFDL
13397	P21127	713	FPGRRIS A EDGLK
13398	P21127	742	PTWPAKS E QQRVK
13399	P21127	785	TTNQGASAAGPGF
13400	P21283	8	TEFWLIS S APGEKT
13401	P21283	27	KLHAATS K NNNL
13402	P21283	36	NNLAVTS K FNIPD
13403	P21283	55	DVLVGLS D EAKL
13404	P21283	83	ADVLED S KDKVQE
13405	P21283	117	KYPIKQS L KNISE
13406	P21283	122	QSLKNI S EIIAKG
13407	P21283	138	IDNDLK S RASAYN
13408	P21283	141	DLKSRA S AYNNLK
13409	P21283	160	ERKNAGS L LTDSL
13410	P21283	165	GSLLTRS L AEIVK
13411	P21283	179	DDFVLDS E YLVTL

13412	P21283	212	EMVVPRSSNVLSE
13413	P21283	213	MVVPRSSNVLED
13414	P21283	217	RSSNVLSEDQDSY
13415	P21283	222	LSEDQDSYLCNVT
13416	P21283	269	EEMNRLSTDKKQ
13417	P21283	288	WLKVNFSEAFIAW
13418	P21283	306	LRFVESVLRYGL
13419	P21283	344	LYKHLDSSAAAI
13420	P21283	345	YKHLDSSAAIID
13421	P21283	362	IPGLNLSSQQEYYP
13422	P21397	8	ENQEKAStAGHMF
13423	P21397	24	VIGGGISGLSAAK
13424	P21397	27	GGISGLSAAKLLT
13425	P21397	38	LTEYGVSVLVLEA
13426	P21397	81	NRILRLSKELGIE
13427	P21397	94	TYKVNVSERLVQY
13428	P21397	184	VNINVTSEPHEVS
13429	P21397	190	SEPHEVSALWFLW
13430	P21397	209	GTTRIFSVTNGGQ
13431	P21397	223	RKFVGGSQVSER
13432	P21397	227	GGSGQVSERIMDL
13433	P21397	250	VTHVDQSSDNIII
13434	P21397	251	THVDQSSDNIIIE
13435	P21397	334	DEDAPISITLDDT
13436	P21397	345	DTKPDGSLPAIMG
13437	P21397	383	YAKVLGSQEALHP
13438	P21397	403	WCEEQYSGGCYTA
13439	P21397	442	ETATKWSGYMEGA
13440	P21397	478	WVQEPESKDVPAV
13441	P21397	497	WERNLPSVSGLLK
13442	P21397	499	RNLPSVSGLLKII
13443	P21397	508	LKIIGFSTSVTAL
13444	P21397	510	IIGFSTSVTALGF
13445	P21453	14	LVKAHRSSVSDYV
13446	P21453	15	VKAHRSSVSDYVN
13447	P21453	38	TGKLNISSADKENS
13448	P21453	44	SADKENSIKLTSV
13449	P21453	49	NSIKLTSVVFILI
13450	P21453	90	IGNLALS DLLAGV
13451	P21453	105	TANLLSGATTYK
13452	P21453	123	WFLREGSMFVALS
13453	P21453	129	SMFVALSASFSL
13454	P21453	131	FVALSASFSLLA
13455	P21453	134	LSASVFSLLAIAI
13456	P21453	155	MKLHNGSNNFRLF
13457	P21453	165	RLFLLISACWVIS
13458	P21453	171	SACWVISLILGGL
13459	P21453	186	MGWNCISALSSCS
13460	P21453	190	CISALSSCSTVLP
13461	P21453	192	SALSSCSTVPLY
13462	P21453	226	LYCRIYSLVRTRS
13463	P21453	232	SLVRTRSRRLTFR
13464	P21453	242	TFRKNISKASRSS
13465	P21453	247	ISKASRSSEKSLA
13466	P21453	248	SKASRSSEKSLAL
13467	P21453	251	SRSSEKSALLKT
13468	P21453	263	TVIIVLSSVFIACW
13469	P21453	304	VLAVALNSGTNPPI

13470	P21453	327	AFIRIMSCCKCPS
13471	P21453	333	SCCKCPSGDSAGK
13472	P21453	336	KCPSGDSAGKFKR
13473	P21453	351	IAGMEFSRSKSDN
13474	P21453	353	GMEFSRSKSDNSS
13475	P21453	358	RSKSDNSHPQKD
13476	P21453	359	SKSDNSHPQKDE
13477	P21453	374	NPETIMSIGNVNS
13478	P21549	19	ALLKPLSIPNQLL
13479	P21549	31	LLGPGPSNLPPRI
13480	P21549	48	GLQMIGSMSKDMY
13481	P21549	50	QMIGSMSKDMYQI
13482	P21549	79	PLTLVISGSGHCA
13483	P21549	81	TLVISGSGHCALE
13484	P21549	99	VLEPGDSFLVGAN
13485	P21549	158	FLTHGESSTGVLO
13486	P21549	159	LTHGEESTGVLP
13487	P21549	184	CLLVLDVASLGG
13488	P21549	187	LVDSVASLGGTPL
13489	P21549	205	GIDILYSGSQKAL
13490	P21549	207	DILYSGSQKALNA
13491	P21549	218	NAPPGTSLISFSD
13492	P21549	221	PGTSLISFSDKAK
13493	P21549	223	TSLISFSDKAKKK
13494	P21549	232	AKKKMYSRKTKPF
13495	P21549	239	RKTKPFSFYLDIK
13496	P21549	268	HTIPVISSLYSLRE
13497	P21549	271	PVISLYSLRESLA
13498	P21549	275	LYSLRESLALIAE
13499	P21549	287	EQGLENSWRQHRE
13500	P21549	337	DWRDIVSYVIDHF
13501	P21549	354	MGGLGPSTGKVLR
13502	P21675	37	AGGGPFSLAGFLF
13503	P21675	174	KDKDQDSITGEKV
13504	P21675	188	FSSSSDSESEMGP
13505	P21675	253	PGKNVPSSVWRSAR
13506	P21675	290	SEVSQKSILWNYDY
13507	P21675	466	DDKPWYSIFPIDN
13508	P21675	524	EEATSNSPSKESK
13509	P21675	529	NSPSKESKKESSL
13510	P21675	728	TVYCHTSPLGSL
13511	P21675	796	EVPGPNSKRANTH
13512	P21675	838	KAFPSHSESSIRK
13513	P21675	841	PSHSESSIRKRLK
13514	P21675	859	KRTGMDSNWWVLK
13515	P21675	1051	SKFARGSRFSVAE
13516	P21675	1095	SSSAEDSDFEEMG
13517	P21675	1141	AAGSAASGNNHRD
13518	P21675	1158	SVTSLNSSATGRC
13519	P21675	1564	SKHKYQSRESFLD
13520	P21675	1567	KYQSRESFLDDVN
13521	P21675	1579	NLILANSVKYNGP
13522	P21675	1655	LYDTNTSLMSRD
13523	P21675	1657	DTNTSLMSRDAS
13524	P21675	1672	QDESNMSSVLDIPS
13525	P21675	1678	SVLDIPSATPEKQ
13526	P21675	1710	VQQPQASVLYEDL
13527	P21675	1719	YEDLLMSEGEDDE

13528	P21675	1799	LEDSNI S YGSYEE
13529	P21675	1818	TQDTSF S SIGGYE
13530	P21675	1845	SGPSVL S QVHLSE
13531	P21675	1856	SEDEED S EDFHSI
13532	P21675	1861	DSEDFH S IAGDSD
13533	P21730	30	TPVDKT S NTLRVP
13534	P21730	85	AVADFL S CLALPI
13535	P21730	95	LPILFT S IVQHHH
13536	P21730	110	FGGAAC S ILPSLI
13537	P21730	114	ACSLP S LILLNM
13538	P21730	123	LLNMYA S ILLLAT
13539	P21730	131	LLLATI S ADRFL
13540	P21730	171	LLLTIPSFLYRVV
13541	P21730	193	LCGVDY S HDKRRE
13542	P21730	231	ILLRTWSRRATRS
13543	P21730	237	SRRATRS T KTLKV
13544	P21730	250	VVAVVASFFIFWL
13545	P21730	266	VTGIMMSFLEPSS
13546	P21730	271	MSFLEP S SPTFLL
13547	P21730	272	SFLEP S SPTFLL
13548	P21730	283	LLKKLDSLCVSFA
13549	P21730	287	LDSL C VSFAYINC
13550	P21754	16	CLLLWG S TELCYP
13551	P21754	33	LLQGGASHPETSV
13552	P21754	38	ASHPET S VQPVLV
13553	P21754	56	TLMVMV S KDLFGT
13554	P21754	83	ACEPLV S MDTEDV
13555	P21754	102	LHECGNSMQVTDD
13556	P21754	113	DDALVY S TFLHD
13557	P21754	127	RPVGNL S IVRTNR
13558	P21754	149	PRQGNV S SQAILP
13559	P21754	150	RQGNV S SQAILPT
13560	P21754	166	FRTTVF S EEKLTF
13561	P21754	173	EEKLTFS L RLMEE
13562	P21754	187	WNAEKRS T TFHLG
13563	P21754	206	AEIHTG S HVPLRL
13564	P21754	228	TPDQNAS S PYHTIV
13565	P21754	248	DGLTDAS S AFKVP
13566	P21754	249	GLTDASSAFKVPR
13567	P21754	274	FHFAND S RNMIYI
13568	P21754	301	ELNKAC S FSKPSN
13569	P21754	303	NKACSF S KPSNSW
13570	P21754	306	CSFSKPSNSWFPV
13571	P21754	308	FSKPSNSWFPVEG
13572	P21754	315	WFPVEG S ADICQC
13573	P21754	331	GDCGTP S HSRRQP
13574	P21754	333	CGTPSH S RRQPHV
13575	P21754	341	RQPHV M SQWSRSA
13576	P21754	344	HVMSQWS S RSASRN
13577	P21754	346	MSQWSRS A SRNRR
13578	P21754	348	QWSRSASRNRRHV
13579	P21754	383	EQWALP S DTSVVL
13580	P21754	386	ALPSDT S VVLLGV
13581	P21754	399	GLAVVV S LTLTAV
13582	P21796	35	LDLKTK S ENGLEF
13583	P21796	43	NGLEFT S SGSANT
13584	P21796	44	GLEFT S SGSANTE
13585	P21796	46	EFTSSG S ANTETT

13586	P21796	57	TTKVTGSLETKYR
13587	P21796	101	LKLTFDSSFSPNT
13588	P21796	102	KLTFDSSFSPNTG
13589	P21796	104	TFDSSFS PNTGKK
13590	P21796	137	FDIAGPSIRGALV
13591	P21796	162	NFETAKSRVTQSN
13592	P21796	167	KSRVTQSNFAVGY
13593	P21796	215	AWTAGNSNTRFGI
13594	P21796	234	DPDACFS AKVNNNS
13595	P21796	240	SAKVNNNS SLIGLG
13596	P21796	241	AKVNNNS SLIGLY
13597	P21796	260	GIKLTLS ALLDGK
13598	P21815	9	TALILLS ILGMAC
13599	P21815	18	GMACAFSMKNLHR
13600	P21815	63	RFPVQGS SDSSEE
13601	P21815	64	FPVQGS DSSEEN
13602	P21815	66	VQGSSDS SEENGD
13603	P21815	85	EEEEETSNEGENN
13604	P21815	108	AENTTLS ATTLY
13605	P21815	165	GNENEES EAEVDE
13606	P21815	180	QGINGTSTNSTEA
13607	P21815	183	NGTSTNSTEAENG
13608	P21815	192	AENGNGS SGGDNG
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13610	P21815	205	EEGEEE SVTGANA
13611	P21815	225	RQGKGT SKTTTSP
13612	P21815	230	TSKTTTSP NNGFE
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13614	P21815	298	AYEDEYS YFKGQG
13615	P21980	53	GRNYEAS VDSLTF
13616	P21980	60	VDSLTF SVVTGPA
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13625	P21980	216	DCSRRSS PVYVGR
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13628	P21980	253	DGVSPMSWIGSVD
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13688	P22234	405	WSKLRASILNTWI
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13697	P22314	249	ESGDFVSFSEVQG
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13716	P22314	883	SADRHK S KLIAGK
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13718	P22314	999	GVSMLYSFFMPAA
13719	P22314	1020	PMTEIV S RVSKRK
13720	P22314	1023	EIVSRV S KRKLGR
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13723	P22466	21	AAALSASAGLWSP
13724	P22466	26	ASAGLWS P AKEKR
13725	P22466	38	RGWTLN S AGYLLG
13726	P22466	53	AVGNHRS F SDKNG
13727	P22466	55	GNHRSF S DKNGLT
13728	P22466	62	DKNGLT S KRELRP
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13740	P22681	376	LYCEMG S TFQLCK
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13744	P22681	486	RPPSPF S MAPQAS
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13753	P22681	648	SLDTSMS M NSSPL
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13771	P22692	132	NSFSPCSAHD RRC
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13773	P22692	152	IRDRST SGGMKV
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13775	P22692	176	PQGSCQSELH RAL
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13777	P22692	190	RLAASQSR THE DL
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13971	P23327	43	FRNRNNNS TGVAGL
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13981	P23327	228	E EDEDVS DGHHHH
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14003	P23396	129	LRFIMESGAKGCE
14004	P23396	139	GCEVVVSGKLRGQ
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14013	P23434	110	ESVKAASELYSPL
14014	P23434	114	AASELYSPLSGEV
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14017	P23434	150	LIKMTLSNPSELD
14018	P23434	153	MTLSNPSELDELM
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14023	P23443	78	FEISETS VNRGPE
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14028	P23443	278	RAVDWWSLGALMY
14029	P23443	334	LKRNAASRLGAGP
14030	P23443	375	FKPLLQSEEDVSQ
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14032	P23443	384	DVSQFD SKFTRQT
14033	P23443	398	VDSPDDSTLSESA
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14035	P23443	403	DSTLSESANQVFL
14036	P23443	417	FTYVAPS VLESVK
14037	P23443	421	APSVLESVKEKFS
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14042	P23443	489	QMDVTMSGEASAP
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14046	P23458	43	EVIFYLSDREPLR
14047	P23458	52	EPLRLGSGEYTAE
14048	P23458	71	AQACRISPLCHNL
14049	P23458	153	TPLLDAS SLEYLF

14050	P23458	154	PLLDASSLEYLFA
14051	P23458	228	PETLNKSIRQRNL
14052	P23458	259	NKTICDSSVSTHD
14053	P23458	260	KTICDSSVSTHDL
14054	P23458	289	AEIFETSMLLISS
14055	P23458	304	EMNWFHSNDGGNV
14056	P23458	367	EEWNNFSYFPEIT
14057	P23458	383	IKESVVSIINKQDN
14058	P23458	398	MELKLSHEEALS
14059	P23458	458	KLRQEGLSEEGMYV
14060	P23458	468	MYVLRWSCTDFDN
14061	P23458	485	VTCFEKSEQVQGA
14062	P23458	508	VQKGRYSLHGSDR
14063	P23458	515	LHGSDRSFPSLGD
14064	P23458	524	SLGDLMSHLKKQI
14065	P23458	627	LKVLDPSHRDISL
14066	P23458	640	AFFEAA\$MMRQVS
14067	P23458	683	LFMHRKS DVLTTP
14068	P23458	738	GPFIKLSDPGIPI
14069	P23458	767	PECVEDSKNLSVA
14070	P23458	816	CRPVTPSCKELAD
14071	P23458	914	KSLKPESGGNHIA
14072	P23458	996	GMDYLGSRQYVHR
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14074	P23458	1056	PECLMQSKFYIAS
14075	P23458	1062	SKFYIASDVWSFG
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14077	P23458	1082	TYCDSDSSPMALF
14078	P23458	1083	YCDSDSSPMALFL
14079	P23508	14	KYGNDS\$AELSEL
14080	P23508	111	REEDEYSELSEL
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14082	P23508	145	SIPENQS TMVTAD
14083	P23508	199	EQLTTASEHCDLA
14084	P23508	286	LQTRLQSVQATGP
14085	P23508	294	QATGPSS PGR LTS
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14087	P23508	318	LSTSSSSNDIPIA
14088	P23508	339	SKTRSES\$SSDRP
14089	P23508	341	TRSESSSSDRPVL
14090	P23508	405	ETERLNS RIEHLK
14091	P23508	432	SNAERMSMLVGKY
14092	P23508	440	LVGKYESNATALR
14093	P23508	452	RLALQYS EQCIEA
14094	P23508	484	RAAGVGSSPGDQS
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14097	P23508	540	SVQPWE\$LSSNSH
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14102	P23508	687	SLSSTSS GSKDKP
14103	P23508	689	SSTSSGSKDKPGK
14104	P23508	702	ECADAAS PALS LA
14105	P23508	706	AASPALS LAELRT
14106	P23508	715	ELRTTCSENE LAA
14107	P23508	758	EIRHQ\$ SAEF VND

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14110	P23526	40	RMRERYSASKPLK
14111	P23526	42	RERYSASKPLKGA
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14114	P23526	83	SSCNIFSTQDHAA
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14116	P23526	183	AINVNDSVTKSKF
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14118	P23526	198	LYGCRESLIDGIK
14119	P23526	355	CAMGHPSFVMSNS
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14121	P23526	361	SFVMSNSFTNQVM
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14123	P23528	23	DMKVRKSSTPEEV
14124	P23528	24	MKVRKSSSTPEEVK
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14126	P23528	94	TYETKEKKEDLV
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14129	P23528	119	SKMIYASSKDAIK
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14132	P23588	31	GGTGGGSTYVSKP
14133	P23588	39	YVSKPVSWADETD
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14135	P23588	71	APPIDRSILPTAP
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14148	P23588	352	Dssastsqstraa
14149	P23588	354	Sastsqstrensi
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14153	P23588	434	Gtsttssrnarr
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14161	P23588	591	Skfssaskyaals
14162	P23760	23	Gqnyprsgfplev
14163	P23760	30	Gfplevstplgqg
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14165	P23760	84	Vshgcvskilcry

14166	P23760	95	RYQETGSIRPGAI
14167	P23760	104	PGAIGGSKPKQVT
14168	P23760	130	ENPGMF\$WEIRDK
14169	P23760	153	TVPSVSSISRILR
14170	P23760	155	PSVSSI\$RILRSK
14171	P23760	180	RKEAEE\$EKKAKH
14172	P23760	187	EKKAKHSIDGILS
14173	P23760	197	ILSERASAPQSDE
14174	P23760	222	KRKQRSSRTTFTA
14175	P23760	268	RVQWFWF\$NRRARW
14176	P23760	308	LPTYQLSETS YQP
14177	P23760	311	YQLSETS YQPTSI
14178	P23760	316	TSYQPTSIPQAVS
14179	P23760	322	SIPQAVSDPSSTV
14180	P23760	337	PQPLPP\$TVHQST
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14183	P23760	364	STRHGF\$SYTDSF
14184	P23760	365	TRHGFS\$YTDSFV
14185	P23760	377	VPPSGPSNPMNPT
14186	P23760	389	TIGNGL\$PQVMGL
14187	P23760	426	EPTTTVSASC SQR
14188	P23760	428	TTTVSASC SQRLD
14189	P23760	430	TVSASC SQRLDHM
14190	P23760	447	SLPTSQS YCPPTY
14191	P23760	454	YCPPTY\$TTGYSM
14192	P23760	459	YSTTGY\$MDPVVG
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14194	P24385	43	TCAPS VSYFKCVQ
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14203	P24385	207	SMVAAGS VVAAVQ
14204	P24385	219	QGLNLRS PNNFLS
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14208	P24385	258	EALLESS LRQAQQ
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14210	P24390	26	LLKIWK\$RSCAGI
14211	P24390	28	KIWKSR\$CAGISG
14212	P24390	33	RSCAGIS GKSQVL
14213	P24390	36	AGISGKS QVLFAV
14214	P24390	57	LFTNYISLYNTCM
14215	P24390	71	VVYIAC\$FTTVWL
14216	P24390	80	TVWLIYS KFKATY
14217	P24390	123	EILWTFSIYLESV
14218	P24390	128	FSIYLE\$VAILPQ
14219	P24390	139	PQLFMV\$KTGEAE
14220	P24390	149	EAETITS HYL FAL
14221	P24394	13	GLLFPV\$CLVLLQ
14222	P24394	22	VLLQVAS SGNMKV
14223	P24394	69	QLVFLL\$EAHTCI

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14225	P24394	144	TLLLTw S N PyPPD
14226	P24394	183	VTYLEP S L RIAAS
14227	P24394	189	SLRIA A STL KSGI
14228	P24394	196	TLKSG I SYR ARVR
14229	P24394	213	CYNTTWS E W SPST
14230	P24394	224	STKWHN S Y REPFE
14231	P24394	272	IPNPARS R LV AII
14232	P24394	336	EMPFQGS G K SAWC
14233	P24394	339	FQGSGK S AWCP VE
14234	P24394	347	WCPVE I S KTVLWP
14235	P24394	387	KGSFC A SPE SSRD
14236	P24394	390	FCASPES S R DDFQ
14237	P24394	474	EPSPPASPTQSP D
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14239	P24394	503	YRSFSNS L S SQSPC
14240	P24394	507	SNSLSQS P CP REL
14241	P24394	573	PVSAPTS G Y QEFGV
14242	P24394	590	QGGTQAS A V VGLG
14243	P24394	607	AGYKAF S LL ASS
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14247	P24394	667	PPRSPQS S H LPSS
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14250	P24394	752	CCCGDRS S SP PTTP
14251	P24394	753	CCGDRSS S P TTPL
14252	P24394	791	ISEKSK S SSSF HP
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14254	P24593	20	YAGPAQS L GS FVH
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14256	P24593	36	CDEKALS M C PPSP
14257	P24593	41	LSMCPPS P LG CEL
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14263	P24593	163	RKKLTQS K F VGGA
14264	P24593	179	AHPRI I SAPE MRQ
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14266	P24593	199	RRHMEAS L Q ELKA
14267	P24593	206	LQELKAS P RM VPR
14268	P24593	233	RKQCKPS R GR KRKG
14269	P24666	8	AEQATK S VLF VCL
14270	P24666	20	LGNICRS P IA EAV
14271	P24666	37	VTDQNI S EN WRVD
14272	P24666	44	ENWRVDS A AT SGY
14273	P24666	48	VDSAAT S GY EIGN
14274	P24666	62	PDYRGQS C M KRHG
14275	P24666	72	RHGIPMS H VAR QI
14276	P24666	95	IILCMDE S NLR DLN
14277	P24666	104	RDLNRK S NV KTC
14278	P24666	119	KIELLGS Y DP QKQ
14279	P24666	137	PYYGNDS D F ETVY
14280	P24821	135	LENLVSS L REQ CT
14281	P24821	217	FTGEDCS Q LA CAPS

14282	P24821	593	LDCGQHSCPSDCN
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14284	P24821	807	TRLDAPSQIEVKD
14285	P24821	908	VSQTDNSITLEWR
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14287	P24821	1000	SETAETSLTLLWK
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14289	P24821	1157	YRTPVLSAEASTG
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14293	P24821	1496	ERTAHISGLPPST
14294	P24821	1509	DFIVYLSGLAPSI
14295	P24821	1521	IRTKTISATATTE
14296	P24821	1538	LENLTISDINPYG
14297	P24821	1558	SENAFDSSLVTVV
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14304	P24821	1739	PTAQVESFRITYV
14305	P24821	1788	MKGFEESEPVSGS
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14307	P24821	1832	VDSYVISYTGEKV
14308	P24821	1900	TATEVQSETALLT
14309	P24821	1995	LNGDTTSGLYTIY
14310	P24821	2131	FDKDTDSAINTNCA
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14313	P24864	59	ARDQCGSQPWDNN
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14319	P24864	195	QLIGISSLFIAAK
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14327	P24864	317	ELMQKVSGYQWCD
14328	P24864	343	VIRETGSSKLKH
14329	P24864	344	IRETGSSKLKHFR
14330	P24864	366	IQTHRDSL DLLDK
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14332	P24864	391	RASPLPSGLLTPP
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14334	P24928	194	QPRIRRSGLELYA
14335	P24928	269	AVVMQGSARNQDD
14336	P24928	338	SGRPLKS LKQRLK
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14338	P24928	593	TGKQIFSLIIPGH
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14347	P24928	1555	SAASDASGFSPGY
14348	P24928	1592	GGAMSPS YSPTSP
14349	P24928	1612	GGYTPQS PSYSPT
14350	P24928	1637	PTSPNYSP TSPSY
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14352	P24928	1663	YSPTSPS YSPTSP
14353	P24928	1679	PTSPSYSP TSPSY
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14355	P24928	1759	PNYTPTSP SYSP
14356	P24928	1770	PTSPSYSP TSPNY
14357	P24928	1871	PKYSPTS PKYSPT
14358	P24928	1962	LTSPAIS PDDSDE
14359	P25205	34	DQGIYQSKVRELI
14360	P25205	41	KVRELISDNQYRL
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14362	P25205	135	GIVTKCSLVRPKV
14363	P25205	144	RPKVVRSSVHYCPA
14364	P25205	171	LVAFPSSSVYPTK
14365	P25205	172	VAFPSSSVYPTKD
14366	P25205	269	CNVKQMSKDAQPS
14367	P25205	275	SKDAQPSFSAEDI
14368	P25205	277	DAQPSFS AEDIAK
14369	P25205	288	AKIKKFSKTRSKD
14370	P25205	292	KFSKTRSKDIFDQ
14371	P25205	302	FDQLAKSSLAPSIH
14372	P25205	306	AKSLAPSIHGHDY
14373	P25205	348	LLIGDPSVAKSQL
14374	P25205	373	PTTGRGSSGVGLT
14375	P25205	477	LQDSLLSRFDLLF
14376	P25205	522	DAMPLGS AVDILA
14377	P25205	564	KKEKMVSAAFMKK
14378	P25205	586	PVLTQESATYIAE
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14380	P25205	602	RLRSQDSMSSDTA
14381	P25205	604	RSQDSMS SDTART
14382	P25205	634	HAKARMSKTVDLQ
14383	P25205	728	TPKTADS QETKES
14384	P25205	734	SQETKESQKVELS
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14386	P25205	742	KVELSESRLKAFK
14387	P25205	762	REAHAQS IGMNRL
14388	P25205	771	MNRLTE S INRDSE
14389	P25205	790	EIQAAALSKMQDDN
14390	P25311	10	MVPVLLS LLLLLG
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14392	P25311	38	YIYTGLSKHVEDV
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14396	P25311	87	EDWKQDS SQLQKAR
14397	P25311	111	VEYYND SNGSHVL

14398	P25311	114	YNDNSNGSHVLQGR
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14403	P25311	213	PSVVVT S HQAPGE
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14405	P25311	279	QDTAPYS S CHVQHS
14406	P25311	285	SCHVQH S SLAQPL
14407	P25311	286	CHVQH S LAQPLV
14408	P25398	54	HLCVLASNCDEPM
14409	P25398	107	RKVVGCS C VVVKD
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14411	P25713	10	ETCPCPS G GSCTC
14412	P25713	13	PCPSGG S CTCADS
14413	P25713	19	SCTCAD S CKCEGC
14414	P25713	29	EGCKCTS C KKSCC
14415	P25713	33	CTSCKKS C CCCP
14416	P25713	36	CKKS C CCPAEC
14417	P25788	11	GTGYDL S ASTFSP
14418	P25788	13	GYDLSA S TFSPDG
14419	P25788	16	LSASTFS P DGRVF
14420	P25788	34	MKAVENS S TAIGI
14421	P25788	35	KAVENS S TAIGIR
14422	P25788	56	VEKLVL S KLYEEG
14423	P25788	63	KLYEEGS N KRLFN
14424	P25788	87	LLADARS L ADIAR
14425	P25788	97	IAREEAS N FRSNF
14426	P25788	101	EASNFRS N FGYNI
14427	P25788	127	HAYTLY S AVRPG
14428	P25788	135	VRPFGCS F MLGSY
14429	P25788	140	CSFMLGS S YVNDG
14430	P25788	142	FMLGS S YVNDGAQ
14431	P25788	155	LYMIDPS G VS Y GY
14432	P25788	158	IDPSGV S YGYWGC
14433	P25788	215	AFELELS W VGELT
14434	P25963	63	QEVP R GS E PKQQ
14435	P25963	76	LTEDGDS F LHLAI
14436	P25963	159	EQGCLAS V GVL T Q
14437	P25963	166	VGVL T Q S CTTPHL
14438	P25963	174	TTPHLHS I LKATN
14439	P25963	191	TCLHLAS I HGYLG
14440	P25963	204	IVELLVS L GADV N
14441	P25963	234	QNPDLVS L LLKCG
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14443	P25963	262	LTWGRPS T RIQQQ
14444	P26358	35	KDLERDS L TEKEC
14445	P26358	115	NGNQAR S EAR RV G
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14447	P26358	209	KRRRVTS R ERVAR
14448	P26358	227	E P ERAK S GTRTEK
14449	P26358	288	DEKKHRS Q PKDLA
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14451	P26358	411	HKLTCFS V YCKHG
14452	P26358	438	ELFFSGSAKPIYD
14453	P26358	480	KALIGF S TSFAEY
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14470	P26358	1359	NITRLSSGPRTI
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14472	P26358	1434	IPLAPGSDWRDLP
14473	P26358	1556	VRECARSQGFPDT
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14475	P26368	28	NRHRKRSHSRSRS
14476	P26368	30	HRKRSHSRSRSRD
14477	P26368	32	KRSHSRSRSRDRK
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14489	P26368	243	GMSENPSVYVPGV
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14917	P28749	572	LAWSHDS ALWEAL
14918	P28749	581	WEALQVSANKVPT
14919	P28749	643	QPLSPI SVHERYS

14920	P28749	655	SSPTAGSAKRRLF
14921	P28749	813	CLKLDVSNELRRK
14922	P28749	867	FQEIMKSYRNQPQ
14923	P28749	876	NQPQANSHVYRSV
14924	P28749	919	TKTPDCSSGPVKE
14925	P28749	920	KTPDCSSGPVKEE
14926	P28749	944	YVGRVKSFALKYD
14927	P28749	980	GSPRRISQQHSIY
14928	P28749	994	SPHKNGSGLTPRS
14929	P28749	1000	SGLTPRSALLYKF
14930	P28749	1011	KFNGSPSKSLKDI
14931	P28749	1037	RVIAIDSDAESPA
14932	P29083	41	DILIRNSCVKEED
14933	P29083	61	DRKQLRSVLNNLK
14934	P29083	121	ETDERDSTNRASF
14935	P29083	126	DSTNRASFKCPVC
14936	P29083	133	FKCPVCSSFTDL
14937	P29083	134	KCPVCSSFTDLE
14938	P29083	166	EVEEDESAMPKKD
14939	P29083	217	IPALKQSKDHAAT
14940	P29083	229	TTAGAASLAGGHH
14941	P29083	245	WATKGPSYEDLYT
14942	P29083	268	EDLHRASLEGKSA
14943	P29083	273	ASLEGKSAKERPI
14944	P29083	284	PIWLRESTVQGAY
14945	P29083	292	VQGAYGSEDMKEG
14946	P29083	333	IHEKKTSAMAGS
14947	P29083	334	HEKKTSSAMAGSV
14948	P29083	339	SSAMAGSVGAAAP
14949	P29083	352	VTAANGSDSESET
14950	P29083	354	AANGSDSESETSE
14951	P29083	356	NGSDSESETSES
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14953	P29083	361	ESETSESDDDSPP
14954	P29083	365	SESDDDSPPRPA
14955	P29083	404	VAGRPFSYSEVSQ
14956	P29083	406	GRPFSYSVEVSQRP
14957	P29083	409	FSYSEVSQRPELV
14958	P29144	164	VANNGSSQANKLI
14959	P29144	219	NEDGDLISKSTVLR
14960	P29144	235	EAQEYGSFGTAEM
14961	P29144	256	DDGNLLSIVTSGG
14962	P29144	260	LLSIVTSGGAHGT
14963	P29144	270	HGTHVASIAAGHF
14964	P29144	302	IGDTRLSTMETGT
14965	P29144	328	CDLVNYSYGEATH
14966	P29144	338	ATHWPNSGRICEV
14967	P29144	388	GVGAYVSPDMMVA
14968	P29144	545	VQVAAPS DHVGVI
14969	P29144	562	PENTENSEKISLQ
14970	P29144	577	LALTSNSSWVQCP
14971	P29144	578	ALTSNSSWVQCP
14972	P29144	584	SWVQCPSHLELMN
14973	P29144	620	CGYDIASPNAGPL
14974	P29144	681	VTVCSCSSEVSAK
14975	P29144	682	TVCSCSSEVSAKF
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14977	P29144	767	QLNIHASEGINRF

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14979	P29144	809	KTKPLGSRDVLPN
14980	P29144	869	NKRQMGSGDAYPH
14981	P29144	878	AYPHQYSLKLEKG
14982	P29144	898	IRHEQISDLERLK
14983	P29144	911	DLPFIVSHRLSNT
14984	P29144	919	RLSNTLSLDIHEN
14985	P29144	936	LLGKKKSNLTLPP
14986	P29144	937	LGKKKSSNLTLPP
14987	P29144	972	GCYLAGSLTLSKT
14988	P29144	1004	TKTKNGSKDKEKD
14989	P29144	1011	KDKEKDSEKEKDL
14990	P29144	1232	GWTHCASFTENWL
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14992	P29317	113	SFPGGASSCKETFN
14993	P29317	114	FPGGASSCKETFN
14994	P29317	126	NLYYAESDLDYGT
14995	P29317	153	PDEITVSSDFEAR
14996	P29317	169	LNVEERSVGPLTR
14997	P29317	193	ACVALLSVRVYYK
14998	P29317	218	PETIAGSDAPSLA
14999	P29317	288	KFEASESPCLECP
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15001	P29317	363	REDIVYSVTCEQC
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15003	P29317	424	VSGLVTSRSFRTA
15004	P29317	426	GLVTSRSFRTASV
15005	P29317	431	RSFRtasvsinqt
15006	P29317	448	VRLEGRTTSSLV
15007	P29317	455	TTSLSVWSIPPP
15008	P29317	457	SLSVSWSIPPPQQ
15009	P29317	481	KKGDSNSYNVRRT
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15012	P29317	636	GMLKTSSGKKEVP
15013	P29317	749	RNILVNSNLVCKV
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15016	P29317	798	RKFTSASDVWSFG
15017	P29317	802	SASDVWSFGIVMW
15018	P29317	844	TPMDCPAIYQLM
15019	P29317	880	LIRAPDSLKTLAD
15020	P29317	899	IRLPSTSGSEGVP
15021	P29317	910	VPFRTVSEWLESI
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15024	P29350	32	SFLARPSRKNQGD
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15030	P29350	138	TFLVRESLSQPGD
15031	P29350	140	LVRESLSQPGDFV
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15036	P29350	203	TGIEEA S GAFVYL
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15045	P29350	424	PDHGVP S EPGGVL
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15048	P29350	496	MVRAQR S GMVQTE
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15050	P29350	534	SQKG Q ESEYGNIT
15051	P29350	553	NAHAKAS R TSSKH
15052	P29350	556	AKASRT S SKHKED
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15067	P29474	572	LVLVVT S TFGNGD
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15086	P29508	30	ENNIFY S PISITS
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15090	P29508	95	LTEFNK S TDAYEL
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15103	P29508	315	WEWTSLQNMRE
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15108	P29508	358	AVVGFGSPTSTN
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15110	P29590	48	FGSSPTSTNEEFH
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15116	P29590	341	DYEEMASRLGRLD
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15124	P29590	572	VPP
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15132	P29590	668	NETQKISQLAAVN
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15145	P29597	227	EIPRDASLMLYFR
15146	P29597	296	PGTEASSDQTAQG
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15154	P29597	522	LEGWGRSFPSVRE
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15156	P29597	593	KEITQLSHLGQGT
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15158	P29597	663	ETASLMSQVSHTH
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15160	P29597	723	QLASALSYLENKN
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15162	P29597	758	SPFIKLSDPGVGL
15163	P29597	790	LPGGANSLSTAMD
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15165	P29597	817	GEAPLQSRSPSEK
15166	P29597	819	APLQSRSPSEKEH
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15168	P29597	884	LTVNPDSPASDPT
15169	P29597	887	NPDSPASDPTVFH
15170	P29597	942	CGPQHRSGWKQEI
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15172	P29597	1063	VREDGDS PVFWYA
15173	P29597	1103	HCDSSQS PPTKFL
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15181	P29692	86	LVVRIAS LEVENQ
15182	P29692	93	LEVENQS LRGVVQ
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15184	P29692	118	LNVLEKS SPGHRA
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15186	P29692	196	PALVAKSS ILLDV
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15189	P29692	231	GLVWGAS KLVPVG
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15191	P29966	52	SPAAAES GAKEEL
15192	P29966	83	SGAASP SAAEKGE
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15194	P29966	131	EAASAAS STSSPK
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15197	P29966	211	AEAGAAS GEQAAA
15198	P29966	252	PEKPPAS DETKAA
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15201	P29966	307	PAAAAAS SACAAP
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15203	P29966	322	EAQPECSP EAPP
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15205	P30040	25	LGFLLLS APHGGS
15206	P30040	31	SAPHGGSGLHTKG
15207	P30040	53	YKVIPKS KFVLVK
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15209	P30040	82	LAENSAS SDDLLV

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15213	P30040	114	YKLDKESYPVFYL
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15219	P30040	244	KEELQKSILNITA
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15221	P30260	102	VFNKQKSHDDIVT
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15225	P30260	177	TSLQNFSNCLPNS
15226	P30260	220	RLNLESSNSKYSYL
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15231	P30260	281	LSPLTPSFGILPL
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15234	P30260	364	TTPQVLSPITSP
15235	P30260	369	LSPTITSPPNALP
15236	P30260	378	NALPRRSSRLFTS
15237	P30260	384	SSRLFTSDSSTTK
15238	P30260	387	LFTSDSSTTKENS
15239	P30260	434	EITKLDSIISEG
15240	P30260	443	ISEGKISTITPQI
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15242	P30260	489	EAINILSHLPSHH
15243	P30260	493	ILSHLPSHHYNTG
15244	P30260	513	RAYFELSEYMQAE
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15246	P30260	556	VALSVLISKDLTDM
15247	P30260	566	TDMDKNSPEAWCA
15248	P30260	578	AAGNCFSLQREHD
15249	P30260	803	IMGTDESQESSMT
15250	P30260	806	TDESQES SMTDAD
15251	P30291	28	RQKLIFSPCSDCE
15252	P30291	31	LIFSPCS DCEEEE
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15254	P30291	67	PLPPARS PTEPGP
15255	P30291	113	GGAEGDSWEEEGF
15256	P30291	136	APYFLGS SFSPVR
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15259	P30291	196	TPKSLLSKARGID
15260	P30291	203	KARGIDSSSVKLR
15261	P30291	204	ARGIDSS SVKLKG
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15263	P30291	220	FMDTEKS GKREFD
15264	P30291	242	NPFTPDS LLLHSS
15265	P30291	247	DSLLLHS SGQCRR
15266	P30291	270	GEDMEAS DYELED
15267	P30291	364	HVVRYFSAWAEDD

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15270	P30291	435	PSNIFIS R TSIPN
15271	P30291	438	IFISRTS I PNAAS
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15281	P30291	626	TRSTTQS N RTSRL
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15283	P30304	34	KALFGAS A AGGLS
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15290	P30304	162	SRGCL H S H GLQEG
15291	P30304	186	PARML S NERDSS
15292	P30304	192	SNERDS S EPGNFI
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15295	P30304	239	TPSCMASLWTAPL
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15301	P30304	283	ERSQEES P PGSTK
15302	P30304	287	EESPPG S TKRRKS
15303	P30304	298	KSMMSG A PKESTN
15304	P30304	317	TLHQSL S LASSPK
15305	P30304	320	QSLSLAS S PKGTI
15306	P30304	342	DLIGDF S KGYL FH
15307	P30304	361	QDLKY I SPEIMAS
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15309	P30304	434	VFHCEFS S ERGPR
15310	P30304	435	FHCEF S SERGPRM
15311	P30304	479	FFMKCQS Y CEPPS
15312	P30304	485	SYCEPPS Y RPMMH
15313	P30305	15	APGSALS P AGVCG
15314	P30305	36	PGLLLGS H GLLGS
15315	P30305	42	SHGLLG S PVRAAA
15316	P30305	50	VRAAASS P VTTLT
15317	P30305	100	ASESSL S SESSES
15318	P30305	103	SSLSSES S ESSDA
15319	P30305	104	SLSSES S ESSDAG
15320	P30305	106	SSESSES S DAGLC
15321	P30305	117	LCMDSPS P MDPHM
15322	P30305	151	AIRRFQ S MPVRL
15323	P30305	160	VRLLGH S PVLRNI
15324	P30305	178	PDGRRK S EAAGSGA
15325	P30305	182	RKSEAG S GAASSS

15326	P30305	186	AGSGAASSSGEDK
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15328	P30305	188	SGAASSSSGEDKEN
15329	P30305	219	ALAEWASRREAFA
15330	P30305	229	AFAQRPS\$APDLM
15331	P30305	238	PDLMCLSPDRKME
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15333	P30305	291	VPPGMESLISAPL
15334	P30305	294	GMESLISAPLVKT
15335	P30305	327	SPSMPCSVIRPIL
15336	P30305	373	KARVLRSKSLCHD
15337	P30305	397	ELIGDYSKAFLLQ
15338	P30305	416	QDLKYIS\$PETMVA
15339	P30305	465	LERDAESFLLKSP
15340	P30305	470	ESFLLKSPIAPCS
15341	P30305	476	SPIAPCSLDKRVI
15342	P30305	490	IFHCEFSSERGPR
15343	P30305	569	SWAGER\$RRELCS
15344	P30307	8	STELFS\$TREEGS
15345	P30307	14	STREEGS\$GSGPS
15346	P30307	15	TREEGSS\$GSGPSF
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15348	P30307	20	SSGSGPS\$FRSNQR
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15357	P30307	147	RDAMCSS\$SANKEN
15358	P30307	148	DAMCSS\$SANKEND
15359	P30307	161	NGNLVD\$SEMKYLG
15360	P30307	207	DQEAKVS\$RSGLYR
15361	P30307	209	EAKVSR\$GLYRSP
15362	P30307	247	VKKKYFS\$GQGKLR
15363	P30307	263	CLKKTV\$LCDITI
15364	P30307	277	QMLEED\$NQGHLI
15365	P30307	287	HLIGDF\$KVCALP
15366	P30307	296	CALPTV\$GKHQDL
15367	P30307	315	TVAALL\$GKFQGL
15368	P30307	349	GALNLY\$QEELFN
15369	P30307	397	LREEDRS\$LNQYPA
15370	P30307	431	ELCEPQS\$YCPMH
15371	P30307	449	ELLRCRS\$QSKVQE
15372	P30307	451	LRCRSQS\$KVQE
15373	P30411	8	FSPWKIS\$MFLSVR
15374	P30411	12	KISMFL\$VREDSV
15375	P30411	17	LSVRED\$VPTTAS
15376	P30411	23	SVPTTAS\$FSADM
15377	P30411	25	PTTASF\$ADMNV
15378	P30411	45	NGTFAQ\$KCPQVE
15379	P30411	80	ENIFVLS\$VFCLHK
15380	P30411	87	VFCLHK\$SCTVAE
15381	P30411	88	FCLHKSS\$CTVAE
15382	P30411	118	FWAITIS\$NNFDWL
15383	P30411	138	VVNAIIS\$MNLYSS

15384	P30411	143	ISMNLYSSICFLM
15385	P30411	144	SMNLYSSICFLML
15386	P30411	152	CFLMLVSIDRYLA
15387	P30411	164	ALVKTMSMGRMRG
15388	P30411	178	RWAKLYSLVIWGC
15389	P30411	189	GCTLLSSPMLVF
15390	P30411	190	CTLLLSSPMLVFR
15391	P30411	202	RTMKEYSDEGHNV
15392	P30411	214	VTACVISYPSLIW
15393	P30411	217	CVISYPSLIWEVF
15394	P30411	238	GFLLPLSVITFCT
15395	P30411	289	WLPFQISTFLDTL
15396	P30411	302	HRLGILSSCQDER
15397	P30411	303	RLGILSSCQDERI
15398	P30411	318	VITQIASFMAYSN
15399	P30411	323	ASFMAYSNSCLNP
15400	P30411	325	FMAYSNNSCLNPLV
15401	P30411	343	KRFRKKSWEVYQG
15402	P30411	358	QKGGCRSEPIQME
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15404	P30519	14	SEGVDESEKKNSG
15405	P30519	19	ESEKKNSGALEKE
15406	P30519	34	MRMADLSSELLKEG
15407	P30519	79	ALYFTYSALEEEM
15408	P30519	162	RYMGDLSGGQVLK
15409	P30519	179	RALKLPSSTGEQTQ
15410	P30519	242	ELDQAGSTLARET
15411	P30519	280	KGALEGSSCPFR
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15413	P30519	295	AVLRKPSLQFILA
15414	P30530	35	GTQAEESPFGVGNP
15415	P30530	100	DDWIVVSQLRITS
15416	P30530	106	SQLRITSLQLSDT
15417	P30530	110	ITSLQLSDTGQYQ
15418	P30530	128	GHQTFVSQPGYVG
15419	P30530	191	GHGPQRSLHVPGL
15420	P30530	201	PGLNKTSSFSCEA
15421	P30530	202	GLNKTSSFSCEAH
15422	P30530	204	NKTSSFSCEAHNA
15423	P30530	216	AKGVTTSRATIT
15424	P30530	250	AWTPGLSGIYPLT
15425	P30530	285	PEEPLTSQASVPP
15426	P30530	298	HQLRLGSLHPHTP
15427	P30530	313	IRVACTSQGPSS
15428	P30530	347	SATRNGSQAFVHW
15429	P30530	418	AGDGPWSLPVPLE
15430	P30530	442	QLVKEPSTPAFW
15431	P30530	447	PSTPAFSWPWWYV
15432	P30530	505	RVRKSYSRRTTEA
15433	P30530	515	TEATLNSLGISEE
15434	P30530	560	QLNQDDSILKVA
15435	P30530	584	ELEDFLSEAVCMK
15436	P30530	608	GVCFQGSERESFP
15437	P30530	630	KHGDLHSFLLYSR
15438	P30530	635	HSFLLYSRLGDQP
15439	P30530	658	FMADIASGMEYLS
15440	P30530	664	SGMEYLSTKRFIH
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15442	P30530	783	GLYALMSRCWELN
15443	P30530	853	DPKDSCSCLTAAE
15444	P30530	871	RYVLCPSSTTPSPA
15445	P30530	875	CPSTTPSPAQPAD
15446	P30530	884	QPADRGSPAAPGQ
15447	P30566	9	AGGDHGPSDSYRS
15448	P30566	12	DHGSPDPSYRSPLA
15449	P30566	15	SPDSYRSPLASRY
15450	P30566	19	YRSPLASRYASPE
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15452	P30566	31	EMCFVFSDRYKFR
15453	P30566	67	QIQEMKSNLENID
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15457	P30566	207	TTGTQASFQLQFE
15458	P30566	253	VDIEVLSVLASLG
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15463	P30566	301	KRNPMRSERCCSL
15464	P30566	306	RSERCCSLARHLM
15465	P30566	323	DPLQTASVQWFER
15466	P30566	334	ERTLDDSANRRIC
15467	P30566	359	NTLQNISEGLVVY
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15469	P30566	407	EKIRVLSQQAASV
15470	P30566	412	LSQQAASVVKQEG
15471	P30566	434	QVDAYFSPIHSQ
15472	P30566	438	YFSPIHSQLDHLL
15473	P30566	447	DHLLDPSSFTGRA
15474	P30566	448	HLLDPSSFTGRAS
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15476	P30566	474	LLKPYESVMKVKA
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15478	P30793	33	PPRPGPSRPAEK
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15480	P30793	76	NLAAYASSILSSL
15481	P30793	77	LAAAYSSILSSLG
15482	P30793	80	AYSSILSSLGENP
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15484	P30793	114	GYQETISDVLNDA
15485	P30793	139	KDIDMFSMCEHHL
15486	P30793	166	KQVLGLSKLARI
15487	P30793	176	RIVEIYSRRLQVQ
15488	P30793	223	GVQKMNSKTVTST
15489	P30793	228	NSKTVTSMLGVF
15490	P30990	18	MLLLAFSSWSLCS
15491	P30990	19	LLLAFSSWSLCSD
15492	P30990	21	LAFSSWSLCSDSE
15493	P30990	24	SSWSLCSDSEEEM
15494	P30990	26	WSLCSDSEEEMKA
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15496	P30990	47	MHTSKISKAHVPS
15497	P30990	53	SKAHVPSWKMTLL
15498	P30990	63	TLLNVCSLVNNLN
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15503	P31040	44	DGNKRASAKVSDS
15504	P31040	48	RASAKVSDSISAQ
15505	P31040	52	KVSDSISAQYPVV
15506	P31040	81	RAAFGLSEAGFNT
15507	P31040	98	KLFPTRSHTVAAQ
15508	P31040	130	YDTVKGSDWLGDQ
15509	P31040	161	NYGMPFSRTEDGK
15510	P31040	177	RAFGGQSLKFGKG
15511	P31040	199	ADRTGHSSLHTLY
15512	P31040	214	SLRYDTSYFVEYF
15513	P31040	243	LCIEDGSIHRIRA
15514	P31040	265	YGRTYFSCDSAHT
15515	P31040	268	TYFSCTSAHTSTG
15516	P31040	272	CTSAHTSTGDGTA
15517	P31040	321	GGILINSQGERFM
15518	P31040	339	VAKDLASRDVVSR
15519	P31040	344	ASRDVVRSRSMTLE
15520	P31040	346	RDVVSRSRSMTLEIR
15521	P31040	384	TRLPGISETAMIF
15522	P31040	445	GEAACASVHGARN
15523	P31040	470	GRACALSIEESCR
15524	P31040	474	ALSIEESCRPGDK
15525	P31040	492	PNAGEESVMNLDK
15526	P31040	505	LRFADGSIRTSEL
15527	P31040	509	DGSIRTSELRLSM
15528	P31040	514	TSELRLSMQKSMQ
15529	P31040	518	RLSMQKSMQNHAA
15530	P31040	530	AVFRVGSVLQEGC
15531	P31040	540	EGCGKISKLYGDL
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15534	P31040	628	WRKHTLSYVDVGT
15535	P31151	9	NTQAERSIIGMID
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15540	P31151	90	TDYHKQSNGAACPC
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15542	P31269	26	DAADELSVGRYAP
15543	P31269	52	AEHPDFSPCS FQS
15544	P31269	55	PDFSPCSFQSKAT
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15546	P31269	66	ATVFGASWNPVHA
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15550	P31269	127	FAGLPSSR PYGIK
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15554	P31269	171	DREKQPSEGAFSE
15555	P31269	176	PSEGAFSENNAEN
15556	P31269	184	NNAENESGGDKPP
15557	P31269	205	NWLHARS TRKKRC

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15560	P31327	129	SNGIKVSGLLVLD
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15562	P31327	148	HWLATKS LGQWLQ
15563	P31327	205	NLIAEVSTKDVKV
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15565	P31327	423	ASRVEVSKVLILG
15566	P31327	446	EFDYSGSQAVKAM
15567	P31327	537	VKVLGTS VESIMA
15568	P31327	540	LGTSVESIMATED
15569	P31327	551	EDRQLFSDKLNEI
15570	P31327	684	QMLRRTS INVVRH
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15572	P31327	727	RSSALASKATGYP
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15575	P31327	791	SSRIGSSMKS VGE
15576	P31327	847	KELSEPS STRIYA
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15578	P31327	863	AIDDNMS LDEIEK
15579	P31327	1021	CNPETVSTDFDEC
15580	P31327	1036	LYFEELS LERILD
15581	P31327	1090	DRAEDRS IFSAVL
15582	P31327	1121	ALEFAKS VDYPCL
15583	P31327	1189	KDGRVIS HAISEH
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15597	P31645	149	HRNGCIS IWRKIC
15598	P31645	174	IAFYIAS YYNTIM
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15601	P31645	199	DQLPWT SCKNSW
15602	P31645	214	NCTNYF SEDNITW
15603	P31645	224	ITWTLHS T SPAEE
15604	P31645	226	WTLHSTS PAEEFY
15605	P31645	242	VLQIHR SKGLQDL
15606	P31645	252	QDLGGIS WQLALC
15607	P31645	269	FTVIYFS IWKGVK
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15611	P31645	372	VVNCMTS FVSGFV
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15613	P31645	404	AKDAGPS LLFITY
15614	P31645	420	IANMPASTFFAII
15615	P31645	513	IEAVAVSWFYGIT

15616	P31645	532	KEMLGFS S PGWFWR
15617	P31645	545	ICWVAIS S PLFLLF
15618	P31645	555	LLFIICS S FLMSPP
15619	P31645	559	ICSF LMS PPQLRL
15620	P31645	574	YNYPYWS I ILGYC
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15622	P31751	31	RYFLLK S DGSFIG
15623	P31751	56	PPLNNF S VAECQL
15624	P31751	92	RTFHVD S PDeree
15625	P31751	109	IQMVANS L KQRAP
15626	P31751	130	CGSPSD S STTEEM
15627	P31751	141	EMEVAV S KARAKV
15628	P31751	201	AHTVTE S RVLQNT
15629	P31751	242	ELFFHLS R ERVFT
15630	P31751	261	YGAEIV S ALEYLH
15631	P31751	268	ALEYLHS R DVVYR
15632	P31751	302	LCKEGI S DGATMK
15633	P31751	374	RFPRTL S PEAKSL
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15635	P31751	398	RLGGGPS D AKEVM
15636	P31751	411	EHRFFL S INWQDV
15637	P31751	432	FKPQVT S EVTRY
15638	P31751	458	PPDRYD S LGLLE
15639	P31948	16	KGNKAL S VGNIDD
15640	P31948	28	DALQCYS E AIKLD
15641	P31948	42	HNHVLY S NRSAAY
15642	P31948	45	VLYSNRS A YAKK
15643	P31948	76	DWGKGYS R KAAAL
15644	P31948	139	LYQKLES D PRTRT
15645	P31948	148	RTRTLL S DPTYRE
15646	P31948	164	QLRNKPS D GTKL
15647	P31948	180	RIMTTL S VLLGVD
15648	P31948	189	LGVDLGS M DEEEE
15649	P31948	309	YARIGNSY F KEEK
15650	P31948	326	IHFYNKS L AEHRT
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15653	P31948	460	ALLDLDSS C KEAAD
15654	P31948	481	QYNRHDS P EVVKR
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15656	P31948	519	KDPQALS E HLPNP
15657	P31949	16	TERCIES L IAVFQ
15658	P31949	35	GYNYTLS K TEFLS
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15660	P31949	71	KKLDTNS D GQLDF
15661	P31949	78	DGQLDF S EFLNLI
15662	P31949	94	AMACHDS F LKAVP
15663	P31995	14	PVLATES D WADCK
15664	P31995	21	DWADCKS P QPWGH
15665	P31995	66	NVLQED S VTLTCR
15666	P31995	76	TCRGTHS P ESDSI
15667	P31995	79	GTHSPES D SIQWF
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15669	P31995	98	PTHTQPS Y RFKAN
15670	P31995	108	KANNND S GEYTCQ
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15672	P31995	121	TGQTSL S DPVHLT
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15679	P31995	189	IPQANHSHSGDYH
15680	P31995	191	QANHSHSGDYHCT
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15689	P32004	94	QSPHSGSFTITGN
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15695	P32004	542	TFTCQASFDPQLQ
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15698	P32004	602	ELDVVESSRAQLLV
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15709	P32004	1035	ENYSVVSWVPKEG
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15716	P32004	1207	PLGSDDSSLADYGG
15717	P32004	1230	SFIGQYSGKKEKE
15718	P32004	1244	AGGNDSSGATSPI
15719	P33121	58	KPPCDLSSMQSVEV
15720	P33121	61	CDLSMQSVEVAGS
15721	P33121	67	SVEVAGSGGARRS
15722	P33121	73	SGGARRSALLDSD
15723	P33121	78	RSALLDSDEPLVY
15724	P33121	103	QRGIQVSNNGPCL
15725	P33121	111	NGPCLGSRKPDQP
15726	P33121	122	QPYEWLSYKQVAE
15727	P33121	130	KQVAELSECIGSA
15728	P33121	135	LSECIGSALIQKG
15729	P33121	171	QGCFAYSMVIVPL
15730	P33121	196	VNKAEFLVFVDK
15731	P33121	232	VMDAYGSELVERG

15732	P33121	247	CGVEVT S MKAMED
15733	P33121	277	AVICFT S GTTGNP
15734	P33121	295	THRNIIV S DCSAFV
15735	P33121	298	NIVSDC S AFVKAT
15736	P33121	318	PDDTLI S FLPLAH
15737	P33121	394	WLLDFAS K RKEAE
15738	P33121	403	KEAELR S GIIRNN
15739	P33121	410	GIIRNN S LWDRLI
15740	P33121	422	IFHKVQ S SLGGRV
15741	P33121	423	FHKVQ S SLGGRVR
15742	P33121	439	TGAAPV S ATVLTF
15743	P33121	580	ENIYMR S EPVAQV
15744	P33121	592	VVFHG E SLQAFLI
15745	P33121	610	DVETLC S WAQKRG
15746	P33121	620	KRGFE G SFEELCR
15747	P33121	645	VRLGKD S GLKPFE
15748	P33121	664	LHPELF S IDNGLL
15749	P33121	687	LRNYFR S QIDDLY
15750	P33241	66	KQEMLL S LKPSEA
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15752	P33241	85	EGFGDW S QRPEQR
15753	P33241	103	AQGALD S GEPPQC
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15755	P33241	139	VHLEEL S LSEKEGP
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15757	P33241	204	LIDRTE S LNRSIE
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15769	P33241	295	GDMSKK S LWEQKG
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15771	P33241	306	KGGSKT S STIKST
15772	P33241	307	GGSKTS S TIKSTP
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15774	P33241	314	TIKSTP S GKRYKF
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15776	P33316	21	LTSLLR S AMQNAR
15777	P33316	39	AEAAVL S GPGPPL
15778	P33316	58	GIPRPL S SAGRILS
15779	P33316	59	IIPRPL S SAGRILSQ
15780	P33316	64	SSAGRIL S QGCRGA
15781	P33316	71	QGCRGA S TVGAAG
15782	P33316	99	PETPAIS S PSKRAR
15783	P33316	101	TPAISPS S KRARPA
15784	P33316	120	LRFARL S EHATAP
15785	P33316	130	TAPTRG S AARAAGY
15786	P33316	140	AGYDLY S AYDYTI
15787	P33316	164	IQIALP S GCYGRV
15788	P33316	174	GRVAPRS S GLAAKH
15789	P33316	243	DDTERG S GGFGST

15790	P33764	60	DYNKFMSVLDTNK
15791	P33764	78	FVEYVRS L ACLCL
15792	P33993	113	LMMEQRS R DPGMV
15793	P33993	142	LYFQGPS S NKPRV
15794	P33993	143	YFQGPSS N KPRVI
15795	P33993	171	GIVTRV S EVKPKM
15796	P33993	197	TYQPIQS P TFMPL
15797	P33993	208	PLIMCPS Q EQTN
15798	P33993	216	ECQTNRS G GRILYL
15799	P33993	241	MKMQEHS D QVPVG
15800	P33993	252	VGNIPRS I TVLVE
15801	P33993	272	QPGDHVS T GIFL
15802	P33993	294	VVQGLL S ETYLEA
15803	P33993	309	IVKMNK S EDDESG
15804	P33993	314	KSEDDES G AGELT
15805	P33993	339	YEKLAAS I APEIY
15806	P33993	365	VGGVDQS P RGMKI
15807	P33993	388	DPGVAKS Q LLSYI
15808	P33993	392	AKSQLLS Y IDRLA
15809	P33993	409	YTTGRGS S GVGLT
15810	P33993	410	TTGRGSS S GVGLTA
15811	P33993	422	AAVLRDS V SGELT
15812	P33993	424	VLRDSVS G ELTLE
15813	P33993	468	MEQQTIS I AKAGI
15814	P33993	500	RYNPRRS L EQNIQ
15815	P33993	513	LPAALLS R F DLLW
15816	P33993	544	TYVHQHS R QPPSQ
15817	P33993	595	RREAWASKDATYT
15818	P33993	602	KDATYT S ARTLLA
15819	P33993	613	LAILRLS T ALARL
15820	P33993	640	IRLMEMS K DSL LG
15821	P33993	643	MEMSKDS L LGDKG
15822	P33993	670	TVRELVS G GRSRV
15823	P33993	674	LVSGGRS V RFSEA
15824	P33993	686	AEQRCVS R GFTPA
15825	P34059	18	QLLVL S AAGMGA
15826	P34059	25	AAGMGAS G APQPP
15827	P34059	53	GYGEPS R ETPNL
15828	P34059	74	LFPNFYS A NPLCS
15829	P34059	80	SANPLCS P SRAAL
15830	P34059	82	NPLCSPS R AALLT
15831	P34059	120	VGGIPDSE Q LLPE
15832	P34059	135	KKAGYVS K IVGKW
15833	P34059	162	FDEWF G SPNCHFG
15834	P34059	242	HAPVYAS K PFLGT
15835	P34059	249	KPFLGTS Q RGRY G
15836	P34059	264	VREIDDS I GKILE
15837	P34059	287	TFVFFTS D NGAAL
15838	P34059	295	NGAALIS A PEQGG
15839	P34059	302	APEQGGS N GPFLC
15840	P34059	336	VTAGQVS H QLGSI
15841	P34059	341	VSHQLGS I MDLFT
15842	P34059	349	MDLFTTS L LAGL
15843	P34059	359	AGLTPPS D RAIDG
15844	P34059	408	FWTWTNS W ENFRQ
15845	P34059	425	CPGQNVS G VTTHN
15846	P34059	455	GERFPLS F ASA EY
15847	P34059	458	FPLSFAS A EY QEA

15848	P34059	466	EYQEALS RITSVV
15849	P34059	470	ALSRITS VVQQHQ
15850	P34059	513	CLTPPES IPKKCL
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15853	P34096	49	PEETGGGS DRYCNL
15854	P34096	83	DIWNIRS ICSTTN
15855	P34096	86	NIRSI CS TTNIQC
15856	P34096	114	DCRDTGS SRAPNC
15857	P34096	115	CRDTGSS RAPNCR
15858	P34096	127	RYRAIAS TRRVVI
15859	P34741	17	GLVACV SAE SRAE
15860	P34741	20	ACVSAE SRAELTS
15861	P34741	26	SRAELTS DKDMYL
15862	P34741	35	DMDYLDNS SIEEAS
15863	P34741	36	MYLDNSS IEEASG
15864	P34741	41	SSIEEAS GVYPID
15865	P34741	53	DDDDYAS ASGSGA
15866	P34741	55	DDYASAS GSGADE
15867	P34741	57	YASASGS GADEV
15868	P34741	65	ADEDVES PELTTS
15869	P34741	71	SPELTT SRPLPKI
15870	P34741	81	PKILLTS AAPKVE
15871	P34741	103	IPAQTKS PEETDK
15872	P34741	117	KVHLSD SERKMDP
15873	P34741	136	VYTEKHS DSLFKR
15874	P34741	138	TEKHSDS LFKRTE
15875	P34741	178	RKKDEGS YDLGER
15876	P34741	188	GERKPSS AAYQKA
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15878	P34896	17	DADLWSS HDKMLA
15879	P34896	29	AQPLKDS DVEVYN
15880	P34896	41	NIIKKE SNRQRVG
15881	P34896	53	GLELIAS ENFASR
15882	P34896	58	ASENFAS RAVLEA
15883	P34896	67	VLEALGS CLNNKY
15884	P34896	74	CLNNKY SEGYPGQ
15885	P34896	119	VNVQPY SGSPANF
15886	P34896	121	VQPYS GS PANFAV
15887	P34896	161	TDKKKIS SATSIFF
15888	P34896	164	KKISATS IFFESM
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15890	P34896	203	LIIAGTS CYSRNL
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15892	P34896	233	ADMAHIS GLVAAG
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15894	P34896	275	YRKGVKS VDPKTG
15895	P34896	290	ILYNLES LINSAV
15896	P34896	294	LESLINS AVFPGL
15897	P34896	339	ANCRAL SEALTEL
15898	P34896	354	KIVTGGS DNHLIL
15899	P34896	365	ILVDLRS KGTDGG
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15901	P34896	394	TCPGDRS ALRPSG
15902	P34896	399	RSALRPS GLRLGT
15903	P34896	410	GTPALT S RGLLEK
15904	P34896	437	LTLQIQS DTGVRA
15905	P34896	470	LREEVES FASLFP

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15907	P34947	27	GKRKGK\$KKWKEI
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15911	P34947	114	KYLTPKS\$PVFIAQ
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15913	P34947	143	PCKELFSACAQSV
15914	P34947	148	FSACAOQS\$VHEYLR
15915	P34947	164	FHEYLDSMFFDRF
15916	P34947	229	KKRKGESMALNEK
15917	P34947	243	IILEKVNSQFVVNL
15918	P34947	328	YGHIRI\$DLGLAV
15919	P34947	365	NQRYGLSPDYWGL
15920	P34947	383	EMIEGQS\$PFRGRK
15921	P34947	409	ETEEVYS\$HKFSEE
15922	P34947	413	VYSHKF\$SEEAKSI
15923	P34947	418	FSEEAKSICKMLL
15924	P34947	500	TDDDFYS\$KFSTGS
15925	P34947	503	DFYSKFS\$TGSVSI
15926	P34947	506	SKFSTGSVSIPWQ
15927	P34947	508	FSTGSVS\$IPWQNE
15928	P34947	563	RQHQNN\$KSSPSS
15929	P34947	565	HQNNSK\$SPSSKT
15930	P34947	566	QNNSK\$SPSSKTS
15931	P34947	568	NSKSSP\$SKTSFN
15932	P34947	569	SKSSP\$SKTSFNH
15933	P34947	572	SPSSKTS\$FNHHIN
15934	P34947	579	FNHHINSNHVSSN
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15936	P34972	19	SKDGLDSNPMKDY
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15939	P34972	60	VLYLIL\$SHQLRR
15940	P34972	61	LYLIL\$SHQLRRK
15941	P34972	69	QLRRKPSYLFIGS
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15943	P34972	84	GADFLASVVFACS
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15945	P34972	102	VFHGVDS\$KAVFLL
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15951	P34972	165	VLSALV\$YLPLMG
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15955	P34972	222	AHQHVAS\$LSGHQD
15956	P34972	224	QHVASL\$GHQDRQ
15957	P34972	268	LALMAHS\$LATLTS
15958	P34972	274	SLATTLS\$DQVKKA
15959	P34972	285	KAFAFC\$MLCLIN
15960	P34972	292	MLCLINSMVNPVI
15961	P34972	303	VIYALRS\$GEIRSS
15962	P34972	308	RSGEIRS\$SAHHCL
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15964	P34972	326	CVRGLGSEAKEEA
15965	P34998	22	LGLNPVSASLQDQ
15966	P34998	24	LNPVSASLQDQHC
15967	P34998	32	QDQHCESLSLASN
15968	P34998	34	QHCESLSASNIS
15969	P34998	37	ESLSLASNISGLQ
15970	P34998	40	SLASNISGLQCNA
15971	P34998	47	GLQCNASVDLIGT
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15976	P34998	130	YLGHCI S L V ALLV
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15981	P34998	212	SPEVHQ S NVGWCR
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15983	P34998	333	LRASTTSETIQYR
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15985	P34998	378	VFIYFNS FLESFQ
15986	P34998	382	FNSFLES F Q GFFV
15987	P34998	389	F Q GFFV S VF YCFL
15988	P34998	397	F Y CFLN S E VRSAI
15989	P34998	401	L N SE VRSA I R KRW
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15991	P34998	425	R VARA M S I P TSPT
15992	P34998	429	A M S I P TS P TRV SF
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15994	P35221	17	F KWDPK S LEIRTL
15995	P35221	64	A H VLA A S VEQATE
15996	P35221	83	D KIAKE S QFLKEE
15997	P35221	118	A D DPC S S V KRG NM
15998	P35221	133	A A R A L L S A VTR LL
15999	P35221	225	P ILYTA S QACLQH
16000	P35221	295	I IVDPLS FSEERF
16001	P35221	314	R LESI I S GAALMA
16002	P35221	322	A A L M A D S S CTR DD
16003	P35221	361	A G R K E R S D A L N S A
16004	P35221	366	R S D A L N S A I D K M T
16005	P35221	391	A VMDHVS D S FLET
16006	P35221	439	VANLAC S I S N NEE
16007	P35221	441	N L A C S I S N NEEGV
16008	P35221	453	V K L V R M S A S QLEA
16009	P35221	455	L V R M S A S QLEALC
16010	P35221	477	L A A K P Q S K L A Q E N
16011	P35221	507	A V D D I T S I D D F L A
16012	P35221	515	D D F L A V S E N H I L E
16013	P35221	580	E A T K L L S N T V M P R
16014	P35221	615	N E F I D A S R L V Y D G
16015	P35221	655	D V R S R T S V Q T E D D
16016	P35221	696	S F Q E E K S K L D A E V
16017	P35221	754	K I A E A G S R M D K L G
16018	P35221	770	A D H C P D S A C K Q D L
16019	P35221	794	H Q L N I C S K V K A E V
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16021	P35221	814	V V S G V D S A M S L I Q

16022	P35221	817	GVDSAMSLIQAAK
16023	P35221	836	VQTVKASYVASTK
16024	P35221	840	KASYVASHTKYQKS
16025	P35221	886	TKIKRASQKKHVN
16026	P35221	898	NPVQALSEFKAMD
16027	P35222	47	TTAPSLSGKGNPE
16028	P35222	60	EEDVDTSQVLYEW
16029	P35222	71	EWEQGFSQSFTQE
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16032	P35222	129	QRLAEPSQMLKHA
16033	P35222	179	VMVHQLSKKEASR
16034	P35222	184	LSKKEASRHAIMR
16035	P35222	222	GTLHNLSHHREGL
16036	P35222	234	LЛАIFKSGGIPAL
16037	P35222	250	LGSPVDSVLFYAI
16038	P35222	311	AYGNQESKLIIILA
16039	P35222	318	KLIILASGGPQAL
16040	P35222	341	KLLWTTSRVLKVL
16041	P35222	348	RVLKVLSCVSSNK
16042	P35222	351	KVLSVCSSNKPAI
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16044	P35222	374	LHLTDPSQRLVQN
16045	P35222	411	LVQLLGSDDINVV
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16047	P35222	473	ALRHLTSHQEAE
16048	P35222	502	KLLHPPSHWPLIK
16049	P35222	605	FVQLLYSPIENIQ
16050	P35222	646	LTELLHSRNEGVA
16051	P35222	663	AVLFRMSEDKPQD
16052	P35222	680	LSVELTSSLFRTE
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16054	P35222	715	YRQDDPSYRSFHS
16055	P35222	718	DDPSYRSFHSGGY
16056	P35222	721	SYRSFHSGGYGQD
16057	P35222	771	GLPPGDSNQLAWF
16058	P35236	9	QAHGGRSRAQPLT
16059	P35236	17	AQPLTLSLGAAMT
16060	P35236	54	LMLDVRSLGAVEP
16061	P35236	63	AVEPICSVNTPRE
16062	P35236	106	EFLKIPSNFVSPE
16063	P35236	110	IPSNFVSPEDLDI
16064	P35236	121	DIPGHASKDRYKT
16065	P35236	134	ILPNPQSRVCLGR
16066	P35236	177	PMPNTVSDFWEMV
16067	P35236	189	VWQEEVSLIVMLT
16068	P35236	246	YQEERRSVKHILF
16069	P35236	253	VKHILFSAWPDHQ
16070	P35236	263	DHQTPESAGPLL
16071	P35236	277	VAEVEESPETAH
16072	P35236	292	PIVVHCSAGIGRT
16073	P35269	65	EEEMPESGAGSEF
16074	P35269	69	PESGAGSEFNRL
16075	P35269	123	GTVENTSYYIFTQ
16076	P35269	175	KVLNHFIMQQRR
16077	P35269	203	RGRRKASELRIHD
16078	P35269	253	KKKKKGSDDEAFE
16079	P35269	261	DEAFEDSDDGDFE

16080	P35269	275	QEVDYMSDGSSSS
16081	P35269	278	DYMSDGSSSSQEE
16082	P35269	279	YMSDGSSSSQEEP
16083	P35269	280	MSDGSSSQEEPE
16084	P35269	287	SQEEPESKAKAPQ
16085	P35269	305	KGVDEQS DSSEES
16086	P35269	308	DEQSDSSEESEEEE
16087	P35269	311	SDSSEESEEKPP
16088	P35269	341	KKRRKDSEESDS
16089	P35269	342	KRRKDSSEESDSS
16090	P35269	347	SSEESDSSEESDI
16091	P35269	348	SEESDSSEESDID
16092	P35269	351	SDSSEESDIDSEA
16093	P35269	355	EESDIDSEASSAL
16094	P35269	358	DIDSEAS S ALFMA
16095	P35269	359	IDSEASS ALFMAK
16096	P35269	396	PSAEGGS TSSTLR
16097	P35269	398	AEGGSTS STLRAA
16098	P35269	399	EGGSTS STLRAAA
16099	P35269	406	TLRAAASKLEQGK
16100	P35269	415	EQGKRVSEM PAAK
16101	P35269	442	STPQPPSGKTTPN
16102	P35269	485	TKKTGLSSEQTVN
16103	P35269	486	KKTGLSSEQTVNV
16104	P35270	16	CLLTGASRGFGRT
16105	P35270	29	LAPLLASLLSPGS
16106	P35270	32	LLASLLSPGSV LV
16107	P35270	35	SLLSPGSV L VLSA
16108	P35270	40	GSQLVLSAR NDEA
16109	P35270	59	ELGAERS GLRVVR
16110	P35270	103	LINNAGSLGDVSK
16111	P35270	108	GSLGDVS KGFVDL
16112	P35270	115	KGFVDLSDSTQVN
16113	P35270	117	FVDLSDSTQVN NY
16114	P35270	130	WALNLTSMLCLTS
16115	P35270	136	SMLCLTS SVLKAF
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16118	P35270	156	RTVVNISSL CALQ
16119	P35270	157	TVVNISSICALQP
16120	P35270	237	LVDCKVSAQKLLS
16121	P35270	243	SAQKLLS LL EKDE
16122	P35270	252	EKDEFKS GAHVDF
16123	P35318	13	ALMYLGSL AFLGA
16124	P35318	28	ARLDVASEFRKKW
16125	P35318	40	WNKWALS RGKREL
16126	P35318	49	KREL R M SSSYPTG
16127	P35318	50	RELRMSSSYPTGL
16128	P35318	51	ELRMSSSYPTGLA
16129	P35318	77	QDMKGASR SPEDS
16130	P35318	79	MKGASRS PEDSSP
16131	P35318	83	SRS PEDS SPDAAR
16132	P35318	84	RSPEDSS PDAARI
16133	P35318	98	VKRYRQS MN NFQG
16134	P35318	107	NFQGLRS FGC RFG
16135	P35318	139	DNVAPR SKIS PQG
16136	P35318	142	APRSKIS PQGYGR
16137	P35318	153	GRRRRRS LPEAGP

16138	P35318	165	PGRTLVS S SKPQAH
16139	P35318	166	GRTLVSS S KPQAHG
16140	P35367	24	NKTTMAS S PQLMPL
16141	P35367	54	VLYAVR S ERKLHT
16142	P35367	70	LYIVSLSVADLIV
16143	P35367	91	ILYLLMSKWSLGR
16144	P35367	94	LLMSKWSLGRPLC
16145	P35367	105	LCLFWLSMDYVAS
16146	P35367	114	YVASTAS I FSVFI
16147	P35367	117	STASIFSVFILCI
16148	P35367	128	CIDRYRSVQQPLR
16149	P35367	155	LGAWFLSFLWVIP
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16151	P35367	230	RELINRS L PSFSE
16152	P35367	233	INRSLPSFSEIKL
16153	P35367	235	RSLPSFSEIKLRP
16154	P35367	255	KKPGKES S PWEVLK
16155	P35367	271	KDAGGGSVLKSPS
16156	P35367	275	GGSVLKSPSQTPK
16157	P35367	277	SVLKSPSQTPKEM
16158	P35367	285	TPKEMKS P VVFSQ
16159	P35367	290	KSPVVFS Q EDDRE
16160	P35367	317	QAAAEGS S RDYVA
16161	P35367	318	AAAEGSS R DYVAV
16162	P35367	327	YVAVNRSHGQLKT
16163	P35367	347	HGASEI S EDQMLG
16164	P35367	355	DQMLGDSQSFSRT
16165	P35367	357	MLGDSQSFSRTDS
16166	P35367	359	GDSQSFSRTDSDT
16167	P35367	363	SFSRTDS T TTTET
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16169	P35367	380	GKLRSGSNTGLDY
16170	P35367	403	HSRQYVSGLHMNR
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16172	P35398	17	AASEPGS S GADAA
16173	P35398	49	APVRRQSY S STSR
16174	P35398	52	RRQSY S TSRGIS
16175	P35398	54	QSYSST S RGISVT
16176	P35398	58	STS R GISVTKKTH
16177	P35398	80	KICGDKSSGIHYG
16178	P35398	100	KGFFRRSQQS N AT
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16180	P35398	108	QSNATYS C PRQKN
16181	P35398	121	CLIDRTS R NRCQH
16182	P35398	139	CLAVGMS R DAVKF
16183	P35398	189	TPTYNIS A NLTE
16184	P35398	201	ELHDDLSNYIDGH
16185	P35398	219	KADSAVS S FYLDI
16186	P35398	220	ADSAVSSFYLDI Q
16187	P35398	228	YLDIQPS P DQSQL
16188	P35398	232	QPSPDQS G LDING
16189	P35398	251	CDYTPAS G FPYC
16190	P35398	258	GFFPYCSFTNGET
16191	P35398	265	FTNGET S PTVSMA
16192	P35398	269	ETSPTVS M AELEH
16193	P35398	283	AQNISKSHLET C Q
16194	P35398	360	VLLKAGS L EVVF I
16195	P35398	374	MCRAFD S QNNTVY

16196	P35398	387	FDGKYASPDVFKS
16197	P35398	393	SPDVFKSLGCEDF
16198	P35398	401	GCEDFISFVFEFG
16199	P35398	412	FGKSLCSMHLTED
16200	P35398	424	DEIALFSAFVLMS
16201	P35398	434	LMSADRSWLQEKV
16202	P35398	475	KLICKVSTLRALC
16203	P35398	513	YKELFTSEFEPAM
16204	P35408	13	NSSASLSPDRLNS
16205	P35408	19	SPDRLNSPVTIPA
16206	P35408	95	QPLCEYSTFILLF
16207	P35408	103	FILLFFSLSGLSI
16208	P35408	105	LLFFSLSGLSIIC
16209	P35408	108	FSLSGLSIIICAMS
16210	P35408	160	PNMGLGS SRLQYP
16211	P35408	161	NMGLGSSRLQYPD
16212	P35408	185	TAHAAYS YMYAGF
16213	P35408	192	YMYAGFSSFLILA
16214	P35408	193	MYAGFSSFLILAT
16215	P35408	235	HAAAAASVASRGH
16216	P35408	238	AAASVASRGHPAA
16217	P35408	252	PALPRLSDFRRRR
16218	P35408	259	DFRRRRSFRRRIAG
16219	P35408	285	LVVLICSIPLVVR
16220	P35408	307	SLEREVSKNPDLQ
16221	P35408	319	QAIRIASVNPI LD
16222	P35408	354	FCRIGGSRRERSG
16223	P35408	371	DSQRTSSAMSGHS
16224	P35408	389	RELKEISSTSQTL
16225	P35408	390	ELKEISSSTSQTL
16226	P35408	392	KEISSTSQTL PD
16227	P35408	405	LSLPDLSENGLGG
16228	P35408	437	LRTLRISETSDSS
16229	P35408	442	ISETSDSSQGQDS
16230	P35408	443	SETSDSSQGQDSE
16231	P35408	450	QGQDSESVLLVDE
16232	P35408	460	VDEAGGSGRAGPA
16233	P35408	470	GPAPKGSSLQVTF
16234	P35408	471	PAPKGSSLQVTFP
16235	P35520	19	TGCPHRSGPHSAK
16236	P35520	23	HRSGPHSAKGSLE
16237	P35520	27	PHSAKGSELKGSP
16238	P35520	32	GSLEKGSPEDKEA
16239	P35520	50	IRPDAPS RCTWQL
16240	P35520	61	QLGRPASESPHHH
16241	P35520	63	GRPASESPHHHTA
16242	P35520	73	HTAPAKSPKILPD
16243	P35520	117	FFNAGGSVKDRIS
16244	P35520	123	SVKDRISLRMIED
16245	P35520	147	TIIEPTSGNTGIG
16246	P35520	174	VMPEKMS SEKVDV
16247	P35520	175	MPEKMSSEKVDVL
16248	P35520	199	TNARFDS PESHVG
16249	P35520	202	RFDSPE SHVGVAW
16250	P35520	217	KNEIPNSHILDQY
16251	P35520	227	DQYRNASNPLAHY
16252	P35520	254	LDMLVASVGTGGT
16253	P35520	285	GVDPEGSI LAEPE

16254	P35520	326	VDKWFKS N DEEAF
16255	P35520	349	GLLCGGSAGSTVA
16256	P35520	352	CGGSAGS T VAVAV
16257	P35520	377	VVILPDSVRNYMT
16258	P35520	387	YMTKFLS D RWMLQ
16259	P35520	420	VQEGLGLS A PLTTLV
16260	P35520	466	TLGNM L S L LAGK
16261	P35520	467	LGNML L S L AGKV
16262	P35520	476	AGKVQPS D QVGKV
16263	P35520	500	DTLGRLS H ILEMD
16264	P35520	520	EQIQYH S TGKSSQ
16265	P35520	524	YHSTGKS S QRQMV
16266	P35520	525	HSTGKS S QRQMVF
16267	P35555	61	GPNVC G SRYNAYC
16268	P35555	128	RCMNGGS C SDDH C
16269	P35555	130	MNGGSCS D DHCLC
16270	P35555	152	GQPVCES G CLNGG
16271	P35555	191	PCFTVI S NQMCQG
16272	P35555	268	CINTVGS F ECKCP
16273	P35555	438	VEYLYPS R EPPRV
16274	P35555	814	IIDECESS P CINGV
16275	P35555	885	LGAAWGS P CTLCQ
16276	P35555	901	ICGKGYS R IKGTQ
16277	P35555	1037	ECKMIPS L CTHGK
16278	P35555	1135	CHNTEGS Y RCECP
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16281	P35555	1345	CTNTAGS F KCSCS
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16283	P35555	1508	CVNTPGS Y ICDCP
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16285	P35555	1565	KAS CC SLGKAWG
16286	P35555	1583	CPAVNT S YEKILC
16287	P35555	1830	CINTAGS Y RCDCK
16288	P35555	1953	CINTVGS F QCQCN
16289	P35555	2313	CLNTRGS Y TCECN
16290	P35555	2424	CVNDRGS Y HCICK
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16292	P35555	2537	DINLCGS K GICQN
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16294	P35555	2621	HICGGAS C HNTLG
16295	P35555	2643	FQYEQFS G GCQDI
16296	P35555	2654	DINECGSAQAPCS
16297	P35555	2855	YDKDYLS G ELGDN
16298	P35558	12	QNGLNL S AKVVQG
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16301	P35558	49	IHICDG S EEENGR
16302	P35558	90	DVARIES K TVIWT
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16304	P35558	145	MYVIPFS M GPLGS
16305	P35558	151	SMGPLGS P LSKIG
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16308	P35558	169	SPYVVAS M RIMTR
16309	P35558	195	FVKCLHS V GCPLP
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16313	P35558	252	FALRMASRLAKEE
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16315	P35558	299	LAMMNPSLPGWKV
16316	P35558	340	GVAPGTSVKTNPN
16317	P35558	364	TNVAETS DGGVYW
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16325	P35558	462	VGAAMRSEATAAA
16326	P35558	499	YLAHWL SMAQHPA
16327	P35558	534	PGFGENS RVLEWM
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16329	P35558	579	NMMELFS ISKEFW
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16337	P35568	330	FRVRASS DGE GTM
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16358	P35568	1057	AELAAHS SLLGGP
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16381	P35611	427	FASDGDS\$GTCSP
16382	P35611	457	GRGDEA\$EEGQNG
16383	P35611	464	EEGQNGS\$SPKSKT
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16453	P35637	300	ENVTIESVADYFK
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16468	P35659	211	KKERNSSGMARKA
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16476	P35900	14	FHRSLSSSLQAPV
16477	P35900	15	HRSLSSSLQAPVV
16478	P35900	22	LQAPVVS TVGMQR
16479	P35900	34	RLGTTPSVYGGAG
16480	P35900	47	GRGIRISNSRHTV
16481	P35900	49	GIRISNSRHTVNY
16482	P35900	57	HTVNYGS DLTGGG
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16484	P35900	96	TLEQSN SKLEVQI
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16519	P35916	749	AGRYLC SVCNAKG
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16521	P35916	762	CVNSSA SVAVEGS
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16524	P35916	953	SPCAEKSP EQRGR
16525	P35916	996	GGARRAS PDQEAE
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16532	P35916	1341	SEYGELSEPSEED
16533	P35916	1344	GELSEPSEEDHCS
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16535	P35968	35	LDLPRLS IQKDIL
16536	P35968	68	LWPNNQSG SEQRV
16537	P35968	112	RETDLAS VIYVV
16538	P35968	123	YVQDYRSP FIASV
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16541	P35968	208	AKINDES YQSIMY
16542	P35968	237	SHGIELSV GEKLV
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16569	P36507	76	DDFERI S ELGAGN
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16582	P36507	252	VQSDIW S MGLSLV
16583	P36507	256	IWSMGL S LVELAV
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16588	P36578	12	PLISVY S EKGESS
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16598	P36578	186	IKKVYAS Q RMRAG
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16620	P36871	319	IAANIFS I PYFQQ
16621	P36871	334	VRGFARS M PTSGA
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16623	P36871	346	ALDRV V ASATKIAL
16624	P36871	369	GNLMDAS K LSLCG
16625	P36871	372	MDASKL S LCGEES
16626	P36871	383	ESFGTGS D HIREK
16627	P36871	400	AVLAWL S ILATRK
16628	P36871	408	LATRKQ S VEDILK
16629	P36871	460	FVGKQFS A NDK V
16630	P36871	477	ADNFEYS D PVDGS
16631	P36871	483	SDPV D GSI S RNQG
16632	P36871	485	PVDGSI S RNQGLR
16633	P36871	498	LIFTDG S RIVFRL
16634	P36871	505	RIVFRL S GTGSAG
16635	P36871	509	RLSGTG S AGATIR
16636	P36871	520	IRLYIDS Y EKDVA
16637	P36871	541	MLAPLIS I ALKVS
16638	P36871	547	SIALKVS Q LQERT
16639	P36888	18	PLLVVFS A MIFGT
16640	P36888	46	HKNNNDSS V GKSSS
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16649	P36888	355	FINATNS S EDYEI
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16655	P36888	471	KKCSDKS P NCTEE
16656	P36888	498	FGQWVSS S STLNMS
16657	P36888	504	SSTLNMS E AIKGF
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16663	P36888	684	LGACTLS G PYI L I
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16665	P36888	740	NSSMPGS R E V QIH
16666	P36888	840	RDIMSDS N YVV R G
16667	P36888	869	GIYTI K S D VWSYG
16668	P36888	935	DSRKRP S FPNLTS
16669	P36888	985	MDLGLL S PQAQVE
16670	P36896	8	AESAGAS S FFPLV
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16673	P36896	24	LAGSGGS G PRGVQ
16674	P36896	38	LLCACT S CLQANY
16675	P36896	55	DGACMVS I FNLDG
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16685	P36896	193	STSGSG S GLPLFV
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16695	P36896	419	IARRCNS GG VHEE
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16697	P36896	439	LVPSDPS I EMRK
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16722	P36955	273	PLTGSMSIIFFLP
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16724	P36955	295	IEESLTSEFIHDI
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16744	P38117	223	DLTSKLSVISVED
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16787	P38398	573	NPNPIE S LEKESA
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16794	P38398	1097	PEVYKQS L PGSNC
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16814	P38432	218	ANQRC S SPGSAR
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16820	P38432	247	KESP S SSSESESC
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16822	P38432	250	PSS S SE S ESCDES
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16866	P38646	554	QSSGGLSKDDIEN
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16872	P38646	662	ASEREGSGSSGTG
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16995	P40763	51	YAASKESHATLVF
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17005	P40763	372	VCIDKDSGDVAAL
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17025	P40925	28	YSIGNGSVFGKDQ
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17059	P40926	276	EGVVECSFVKSQE
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17084	P41091	305	GIVSKD\$EGKLMC
17085	P41091	316	MCKPIFS\$KIVSLF
17086	P41091	320	IFSKIVS\$LFAEHN
17087	P41091	374	FTELEIS\$YFLLRR
17088	P41091	399	AKVQKLS\$KNEVLM
17089	P41091	410	LMVNIGS\$LSTGGR
17090	P41091	412	VNIGSL\$TGGRVS
17091	P41091	418	STGGRVS\$AVKADL
17092	P41091	444	GEKIALS\$RRVEKH
17093	P41181	10	LRSIAFS\$RAVFAE
17094	P41181	30	VFFGLGS\$ALNWPQ
17095	P41181	40	WPQALPS\$VLQIAM
17096	P41181	63	QALGHIS\$GAHINP
17097	P41181	82	LVGCHVS\$VLRAAF
17098	P41181	122	LAVNALSNSTTAG
17099	P41181	124	VNALSNSTTAGQA
17100	P41181	148	VLCIFASTDERRG
17101	P41181	163	PGTPALS\$IGFSVA
17102	P41181	167	ALSIGFS\$VALGHL
17103	P41181	182	IHYTGCS\$MNPARS
17104	P41181	188	SMNPARS\$LAPAVV
17105	P41181	216	VGAILGS\$LLNYV
17106	P41181	229	LFPPAKS\$LSERLA
17107	P41181	231	PPAKSL\$SERLAVL
17108	P41181	261	QSVELHS\$PQLPR
17109	P41182	54	TVLMACSGLFYSI
17110	P41182	59	CSGLFYS\$IFTDQL
17111	P41182	146	REEFLNS\$RMLMPQ
17112	P41182	177	SAPGCE\$RAFAPS
17113	P41182	189	SLYSGL\$TPPASY
17114	P41182	196	TPPASY\$MYSHLP
17115	P41182	205	SHLPVSS\$LLFSDE
17116	P41182	234	RALPCDS\$ARPVPG
17117	P41182	243	PVPGEYS\$RPTLEV
17118	P41182	260	CHSNIYS\$PKETIP
17119	P41182	271	IPEEARS\$DMHYSV
17120	P41182	287	LKPAAPS\$ARNAPY
17121	P41182	308	EEERPSS\$EDEIAL
17122	P41182	337	PQSPQKS\$DCQPNs
17123	P41182	366	GSPPAKS\$PTDPKA

17124	P41182	385	KFIVLNSLNQNAK
17125	P41182	427	ENLDLQSPTKLSA
17126	P41182	432	QSPTKLSASGEDS
17127	P41182	444	STIPQASRLNNIV
17128	P41182	453	NNIVNRSMGTGSPR
17129	P41182	462	GSPRSSSESHSPL
17130	P41182	477	HPPKCTSCGSQSP
17131	P41182	480	KCTSCGSQSPQHA
17132	P41182	506	EMGETQSEYSDSS
17133	P41182	509	ETQSEYS DSSCEN
17134	P41182	511	QSEYSDSSCENGA
17135	P41182	512	SEYSDSSCENGAF
17136	P41182	542	HTLQTHSDKPYKC
17137	P41182	554	CDRCQASFRYKGN
17138	P41182	563	YKGNLASHKTVHT
17139	P41182	694	KVQYRVSATDLPP
17140	P41212	9	ETPAQCSIKQERI
17141	P41212	16	IKQERIS YTPPES
17142	P41212	26	PESPVP SYASSTP
17143	P41212	29	PVPSYAS STPLHV
17144	P41212	30	VPSYAS STPLHVP
17145	P41212	47	LRMEEDSIRLPAH
17146	P41212	84	SLRPIDSNTFEMN
17147	P41212	109	RYRSPHS GDVLYE
17148	P41212	131	KPRILFS PFFHPG
17149	P41212	139	FFHPGNS IHTQPE
17150	P41212	165	QRTPRPS VDNVHH
17151	P41212	182	IELLHRS RSPITT
17152	P41212	193	TTNHRPS PDPEQR
17153	P41212	203	EQRPLRS PLDNMI
17154	P41212	236	QESYPLS VSPMEN
17155	P41212	248	NNHCPAS SESHPK
17156	P41212	249	NHC PASSES HPKP
17157	P41212	251	CPASSE SHPKPSS
17158	P41212	256	ESHPKPSS PRQES
17159	P41212	262	SSPRQE STRVIQL
17160	P41212	271	VIQLMPS PIMHPL
17161	P41212	284	I LNPRHS VDFKQS
17162	P41212	290	S VDFKQS RLSEDG
17163	P41212	293	FKQSRLS EDGLHR
17164	P41212	307	GKPINL S HREDLA
17165	P41212	323	HIMVS VS PPEEEHA
17166	P41212	350	YVYQLLS DSRYEN
17167	P41212	365	RWEDKES KIFRIV
17168	P41212	395	MTYEKMS RALRH
17169	P41212	428	TPDEIMS GRTDRL
17170	P41212	439	RLEHLES QELDEQ
17171	P41227	37	YFYHGLS WPQLSY
17172	P41227	42	LSWPQLS YIAEDE
17173	P41227	74	PHGHITS LAVKRS
17174	P41227	80	SLAVKRS HRRGL
17175	P41227	95	KLMDQAS RAMIEN
17176	P41227	108	FNAKYVSLHVRKS
17177	P41227	114	SLHVRKS NRAALH
17178	P41227	123	AALHLYS NTLNFQ
17179	P41227	131	TLN FQI SEVEPKY
17180	P41227	189	KGN SPPS SGEACR
17181	P41227	190	GNSPPS GEACRE

17182	P41227	221	VSETTESTDVKDS
17183	P41227	227	STDVKDSSSEASDS
17184	P41235	16	MDMADYSAAALDPA
17185	P41235	43	GNDTSPSEGTLNL
17186	P41235	53	NLNAPNSLGV SAL
17187	P41235	57	PNSLGVSALCAIC
17188	P41235	75	GKHYGASSCDGCK
17189	P41235	76	KHYGASSCDGCKG
17190	P41235	87	KGFFRRS VRKNHM
17191	P41235	95	RKNHMYSCRFSRQ
17192	P41235	99	MYSCRFSRQCVVD
17193	P41235	138	NERDRISTRRSSY
17194	P41235	143	ISTRRSSYEDSSL
17195	P41235	147	RSSYEDSSLPSIN
17196	P41235	148	SSYEDSSLPSINA
17197	P41235	151	EDSSLPSINALLQ
17198	P41235	162	LQAEVLSRQITSP
17199	P41235	170	QITSPVGINGDI
17200	P41235	183	RAKKIASIADVCE
17201	P41235	190	IADVCESMKEQLL
17202	P41235	236	LGATKRS MVFKDV
17203	P41235	262	PELAEMS RVSIRI
17204	P41235	265	AEMSRVSIRILDE
17205	P41235	303	PDAKGLSDPGKIK
17206	P41235	318	RSQVQVSLEDYIN
17207	P41235	330	NDRQYDSRGRFGE
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17210	P41235	380	LLGGSPSDAPHAH
17211	P41235	413	TMPTHLSNGQMCE
17212	P41235	441	PSPPGGSGSEPYK
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17214	P41235	461	TIVKPLSAIPQPT
17215	P41240	10	IQAAPSGTECIA
17216	P41240	78	KAGTKLSLMPWFH
17217	P41240	109	LFLVRESTNYPGD
17218	P41240	121	DYTLCCVS CDGKVE
17219	P41240	136	RIMYHAS KLSIDE
17220	P41240	139	YHASKLS IDEEVY
17221	P41240	158	LVEHYTS DADGLC
17222	P41240	186	QDEFYRS GWALNM
17223	P41240	238	AFLAEAS VMTQLR
17224	P41240	246	MTQLRHSN LVQLL
17225	P41240	273	EYMAKGS LVDYL R
17226	P41240	280	LVDYLRS RGRS VL
17227	P41240	284	LRSGRGRSVL GGD C
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17230	P41240	331	DNVAKVSDFGLTK
17231	P41240	340	GLTKEAS STQDTG
17232	P41240	341	LTKEASS TQDTGK
17233	P41240	367	KKFSTKS DVWSFG
17234	P41240	371	TKSDVWS FGILLW
17235	P41240	381	LLWEIYS FGRVPY
17236	P41240	432	DAAMRPS FLQLRE
17237	P41279	8	EYMSTGS DNKEEI
17238	P41279	24	IKHLNVS DVIDIM
17239	P41279	36	MENLYAS EEPAVY

17240	P41279	45	PAVYEPSLMTMCQ
17241	P41279	53	MTMCQDSNQNDER
17242	P41279	60	NQNDERSKSLLS
17243	P41279	66	SKSLLLSGQEVPW
17244	P41279	74	QEVPWLSSVRYGT
17245	P41279	75	EVPWLSSVRYGTV
17246	P41279	92	AFANHISNTAKHF
17247	P41279	106	GQRPQESGILLNM
17248	P41279	125	GRYQIDS DVLLIP
17249	P41279	214	EAGEEGGSVLEKLE
17250	P41279	221	VLEKLES CGPMRE
17251	P41279	246	GLDFLHSKKVIHH
17252	P41279	257	HHDIKPSNIVFMS
17253	P41279	263	SNIVFMSTKAVLV
17254	P41279	274	LVDFGLSVQMTED
17255	P41279	295	GTEIYMSPEVILC
17256	P41279	305	ILCRGHSTKADIY
17257	P41279	312	TKADIYSLGATLI
17258	P41279	334	VKRYPRSAYPSYL
17259	P41279	338	PRSAYP SYLYIIH
17260	P41279	358	DIADDCS PGMREL
17261	P41279	368	RELIEAS LERNPN
17262	P41279	403	RCQSLDS ALLERK
17263	P41279	413	ERKRLLS RKELEL
17264	P41279	426	PENIADS SCTGST
17265	P41279	427	ENIADSS CTGSTE
17266	P41279	431	DSSCTGS TEESEM
17267	P41279	435	TGSTEESEMLKRQ
17268	P41597	16	IRNTNES GEEVTT
17269	P41597	50	LLPPLYS LVFIFG
17270	P41597	87	LLNLAI S DLLFLI
17271	P41597	101	LPLWAHS AANEWV
17272	P41597	161	TFGVVT SVITWLV
17273	P41597	172	LVAVFAS VPGIIF
17274	P41597	186	KCQKEDS VYVCGP
17275	P41597	223	IMVICYS GILKTL
17276	P41597	275	QEFGGLS NCESTS
17277	P41597	279	GLSNCE S TS QLDQ
17278	P41597	281	SNCE STS QLDQAT
17279	P41597	314	VGEKFRS LF HIAL
17280	P41597	359	GRGKGKS I GRAPE
17281	P41743	11	RDSSTM S HTVAGG
17282	P41743	23	GGSGDHS HQVRVK
17283	P41743	44	I THFEPS IS FEGL
17284	P41743	46	HFEPSI S FEGLCN
17285	P41743	59	EVRD MCS FDNEQL
17286	P41743	81	GDPCTV S SQLELE
17287	P41743	82	DPCTV S SQLELEE
17288	P41743	99	YELNKD S ELLIHV
17289	P41743	123	CPGEDKS I YRRGA
17290	P41743	194	IECGRH S LPQE PV
17291	P41743	206	VMPMDQS SMHSDH
17292	P41743	207	MPMDQSS MHSDHA
17293	P41743	210	DQSSMHS DHAQTV
17294	P41743	223	IPYNPSS HESLDQ
17295	P41743	226	NPSSHES LDQVGE
17296	P41743	246	RESKGKA SSSLGLQ
17297	P41743	248	SGKASSS LGLQDF

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17300	P41743	320	FLVGLHSCFQTES
17301	P41743	359	EHARFYSAEISLA
17302	P41743	363	FYSAEISLALNYL
17303	P41743	388	DNVLLDSEGHIKL
17304	P41743	411	RPGDTTSTFCGTP
17305	P41743	433	GEDYGFSDVWWAL
17306	P41743	451	EMMAGRSPDFIVG
17307	P41743	458	PDFIVGSSDNPDQ
17308	P41743	486	RIPRSLSVKAASV
17309	P41743	491	LSVKAAASVLKSFL
17310	P41743	495	AASVLKSFLNKDP
17311	P41743	544	PKPNISGEFGLD
17312	P41743	554	GLDNFDSQFTNEP
17313	P41743	577	VRKIDQSEFEGFE
17314	P42229	40	LAQWIESQPWDAI
17315	P42229	128	EANNCSSPAGILV
17316	P42229	138	ILVDAMSQKHLQI
17317	P42229	179	IIQYQESLRIQAQ
17318	P42229	193	AQLAQLSPQERLS
17319	P42229	210	LQQKQVSLEAWLQ
17320	P42229	271	GGPPEGSLDVLQS
17321	P42229	277	SLDVLQSWCEKLA
17322	P42229	325	TITDIISALVTST
17323	P42229	330	ISALVTSTFIIEK
17324	P42229	393	NTRNECSGEILNN
17325	P42229	413	QATGTLSAHFRNM
17326	P42229	420	AHFRNMSLKRIKR
17327	P42229	434	DRRGAESVTEEKF
17328	P42229	446	FTVLFESQFSVGS
17329	P42229	449	LFESQFSVGSNEL
17330	P42229	452	SQFSVGSNELVFQ
17331	P42229	473	VVIVHGSQDHNAT
17332	P42229	521	FKAEVQSNRGLTK
17333	P42229	541	QKLFNNSSHLED
17334	P42229	549	SHLEDYSGLSVSW
17335	P42229	552	EDYSGLSSVWSQF
17336	P42229	556	GLSVSWSQFNREN
17337	P42229	620	TFLLRFSDSEIGG
17338	P42229	655	RDFSIRS LADRLG
17339	P42229	664	DRLGDLSSYLIYVF
17340	P42229	680	PKDEVFSKYTPV
17341	P42229	710	PEFVNASSADAGGS
17342	P42229	716	SADAGGSATYMD
17343	P42229	717	ADAGGSSATYMDQ
17344	P42229	726	YMDQAPS PAVCPQ
17345	P42229	774	LRRPMDSLDSRLS
17346	P42229	777	PMDSLDSRLSPPA
17347	P42285	11	FGDELFSSVFEGLDS
17348	P42285	40	WKGPSSADKAGK
17349	P42285	56	GKLQSES TNNNGKN
17350	P42285	91	SITEDLSLADLMP
17351	P42285	103	PRVKVQSVETVEG
17352	P42285	156	CVDNNQSVLVSAB
17353	P42285	160	NQSVLVAHTSAG
17354	P42285	164	LVSAHTSAGKTVC
17355	P42285	189	QRVIFTSPIKALS

17356	P42285	195	SPIKALS N QKYRE
17357	P42285	223	TINPTAS C LVMTT
17358	P42285	234	TTEILRS M LYRGS
17359	P42285	260	IHYMRD S ERGVVW
17360	P42285	393	QPVIIFS F SKKDC
17361	P42285	395	VIIFS F KKDCEA
17362	P42285	432	NAIDCLS D EKKL
17363	P42285	472	TIEILF S EGLIKA
17364	P42285	514	DFRWISS G EYIQM
17365	P42285	588	EYMLEKS F YQFQH
17366	P42285	622	VIPNEES V VIYYK
17367	P42285	687	SNVKPNS G ELDPL
17368	P42285	703	EVLLRCS K ESLKN
17369	P42285	741	LLSAISS V RLYIP
17370	P42285	758	PVDNRQS V LKSIQ
17371	P42285	806	FEHRMYS H PLHND
17372	P42285	866	RLGFATS S DVIEM
17373	P42285	881	RVACE I SSADELL
17374	P42285	882	VACEISS A DELLL
17375	P42285	901	GLFNDL S AEQATA
17376	P42285	910	QATALL S CFVFQE
17377	P42285	919	VFQENS S EMPKLT
17378	P42285	960	DEETYLS S FKPHL
17379	P42285	961	EETYLSS F KPHLM
17380	P42338	26	VDSQIAS D GSI PV
17381	P42338	53	PREATIS Y IKQML
17382	P42338	77	LLMDIDS S YMFACTV
17383	P42338	167	LSLVGL S WMDWLK
17384	P42338	183	PPEHEPS I PENLE
17385	P42338	215	VFSFQVS P NMNPI
17386	P42338	309	AINRNSS N LPLPL
17387	P42338	371	CKTIVS S EVSGKN
17388	P42338	416	KVKTKK S TKTINP
17389	P42338	423	TKTINPS K YQTIR
17390	P42338	463	IIILHSWS S FPDEL
17391	P42338	464	ILHSWSS F PDELE
17392	P42338	520	KAAEIAS S DSANV
17393	P42338	528	DSANVSS R GGKKF
17394	P42338	579	LPKLLLS I KWNKL
17395	P42338	631	GCLRQMS D EELSQ
17396	P42338	636	MSDEELS Q YLLQL
17397	P42338	680	LFWHLR S EVHIPA
17398	P42338	702	EAYCRGS V GHMKV
17399	P42338	710	GHMKVLS K QVEAL
17400	P42338	749	HTCLKQS A YREAL
17401	P42338	760	ALSDLQ S PLNPCV
17402	P42338	769	NPCVIL S ELYVEK
17403	P42338	848	LATGDRS G LIEVV
17404	P42338	855	GLIEVV S TSETIA
17405	P42338	857	IEVVST S ETIADI
17406	P42338	904	IEEFTLS C AGYCV
17407	P42338	912	AGYCVAS Y VLGIG
17408	P42338	922	GIGDRHS D NIMVK
17409	P42338	1017	GLPELT S VKDIQY
17410	P42338	1027	IQYLKDS L ALGKS
17411	P42345	78	FELVSSSDANERK
17412	P42345	178	LRELAI S VPTFFF
17413	P42345	276	ELVRIS S MEGERL

17414	P42345	337	VGLLGYS S HQGLM
17415	P42345	422	TMNHVLS S CVKKEK
17416	P42345	441	QALGLL S VAVRSE
17417	P42345	678	RYCVLAS L DERFD
17418	P42345	720	TVGRLSS M NPAFV
17419	P42345	831	MDMLQDS S LAKR
17420	P42345	850	LGQLVASTGYVVE
17421	P42345	923	LSESKSS Q DSSDY
17422	P42345	926	SKSSQDS S DYSTS
17423	P42345	932	SSDYST S EMLVNM
17424	P42345	963	RIFRDQS L SHHHT
17425	P42345	1093	SPGRIVS I KLLAA
17426	P42345	1131	PEAPLPS R KAALE
17427	P42345	1153	DFTDYAS R IIHPI
17428	P42345	1295	LELLKD S SSPSLR
17429	P42345	1297	LLKDSS S PSLRSC
17430	P42345	1302	SSPSLR S CWALAQ
17431	P42345	1367	AEFMEHS D KGPLP
17432	P42345	1582	TAMAGES S RAYG
17433	P42345	1641	KILMVRS L VVS P
17434	P42345	1707	MKNMWKS A RKIDA
17435	P42345	1777	KVLQYY S AATEHD
17436	P42345	1855	SESEAES T ENSPT
17437	P42345	2091	CRKYMKS G NVKDL
17438	P42345	2165	SLQVITS K QRPRK
17439	P42345	2413	LREHKD S VMAVLE
17440	P42345	2514	LTGRDF S HDDTL D
17441	P42345	2534	LIKQAT S HENLCQ
17442	P42574	10	TENSVD S KS I KNL
17443	P42574	12	NSVDSKS I KNLEP
17444	P42574	24	PKIIHG S E M DSG
17445	P42574	26	IIHGSE S MDSGIS
17446	P42574	29	GSESMDS G ISLDN
17447	P42574	32	SMDSGIS L DNSYK
17448	P42574	36	GISLDNS Y KMDYP
17449	P42574	58	NKNFHKS T GMTSR
17450	P42574	63	KSTGMT S RSGTDV
17451	P42574	65	TGMTSR S GTDVDA
17452	P42574	104	ELMRDVS K EDHSK
17453	P42574	109	VSKEDHS K RSS F V
17454	P42574	112	EDHSKR S FVCVL
17455	P42574	113	DHSKR S FVCVLL
17456	P42574	120	FVCVLL S HGE E GI
17457	P42574	150	RGDRCRS L TGKPK
17458	P42574	176	CGIETDS G VDDDM
17459	P42574	198	DFLYAY S TAPGYY
17460	P42574	205	TAPGYY S WRNSKD
17461	P42574	209	YYSWRNS K DGSWF
17462	P42574	213	RNSKDGS W FIQSL
17463	P42574	218	GSWFIQ S LCAMILK
17464	P42574	249	VATEFES F SFDAT
17465	P42574	251	TEFESFS F DATFH
17466	P42574	267	QIPCIVS M LT K EL
17467	P42680	15	EILIKRS Q KKKT
17468	P42680	22	QQKKKT S PLNYKE
17469	P42680	36	LFVLTKS M TYYE
17470	P42680	57	KGFIDVS K IKC V E
17471	P42680	95	LYIFAPS P QSRDL

17472	P42680	98	FAPSPQS RDLWVK
17473	P42680	129	KFWTDGS YQCCRQ
17474	P42680	151	KYNLFES SIRKAL
17475	P42680	180	LEEEDNSEEIVVA
17476	P42680	231	NEYIIPS NYVTGK
17477	P42680	239	YVTGKK SNNL DQY
17478	P42680	255	CRNMNRS KAEQ LL
17479	P42680	276	FMVRDSS QPGLYT
17480	P42680	284	PGLYT TVS LYTKEFG
17481	P42680	294	KFGGE GSG FRHY
17482	P42680	295	FGGE GSS FRHYH
17483	P42680	308	I KET TTSPKKYYL
17484	P42680	322	EKHAF GSI PEIIE
17485	P42680	346	RLRYPV S VKGKNA
17486	P42680	359	PTTAGF FS YEKWEI
17487	P42680	368	KWEINP SEL TFMR
17488	P42680	462	QRQGHF S RDVLLS
17489	P42680	468	SRDVLL S MCQDVC
17490	P42680	484	EYLERN S FIHRDL
17491	P42680	498	ARNCLV S EAGVVK
17492	P42680	506	AGVV KV SDFGMAR
17493	P42680	521	LDDQYT TS SSGAKF
17494	P42680	522	DDQYT TS SGAKFP
17495	P42680	543	FNYSRF S SKSDVW
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17497	P42680	546	SRFSSK S DVWSFG
17498	P42680	591	YQPKLAS NYV YEV
17499	P42680	611	KPEGRPS FED LLR
17500	P42684	25	PRGIRGS S SAARPS
17501	P42684	57	QHDHFAS C VEDGF
17502	P42684	146	NQNGEW S EVRSKN
17503	P42684	150	EWSEVR S KNGQGW
17504	P42684	159	GQGWVP S NYITPV
17505	P42684	188	AAEYLL S SLINGS
17506	P42684	275	PTVYGVS P IHDKW
17507	P42684	311	GVWKYS L TAVVK
17508	P42684	394	YMATQIS S AMEYL
17509	P42684	431	VADFG L SRLMTGD
17510	P42684	531	SPADRPS F AETHQ
17511	P42684	546	ETMFHD S SISEEV
17512	P42684	549	FHDSS I SEEVAEE
17513	P42684	577	RLPILPS K TRTLK
17514	P42684	602	QDATE N SASSLAP
17515	P42684	604	ATEN S ASLAPGF
17516	P42684	631	RKQRDK S PSSLLE
17517	P42684	633	QRDKSP S SLLED A
17518	P42684	669	PTPPKR S SSFREM
17519	P42684	690	ELTGNF S SVASLQ
17520	P42684	702	QHADGF S FTPAQQ
17521	P42684	721	PKCYGG S FAQRNL
17522	P42684	775	TASDDT S KPFPRS
17523	P42684	783	PFPRSN S TSSMSS
17524	P42684	817	QLERTV S TSSSQPE
17525	P42684	820	RTVST S QPEENV
17526	P42684	837	DMLPKK S EEESAAP
17527	P42684	840	PKKSEE S AAPSRE
17528	P42684	1033	LGAVPI S GKAGR P
17529	P42684	1051	QVPLPT S SISPAK

17530	P42684	1052	VPLPTSSISPAKM
17531	P42684	1097	ECADLLS S ALTEP
17532	P42684	1154	QELQVSSAAAGVP
17533	P42768	24	VQQNIP S TLLQDH
17534	P42768	82	KDNPQKS Y FIRLY
17535	P42768	103	WEQELYSQLVYST
17536	P42768	108	YSQLVYSTPTPFF
17537	P42768	153	KRNQRQS G DRRQL
17538	P42768	194	PPVGPLS L GLATV
17539	P42768	209	QNPDITSSRYRGL
17540	P42768	210	NPDITSSRYRGLP
17541	P42768	221	LPAPGPSPADKKR
17542	P42768	228	PADKKRS G KKKIS
17543	P42768	234	SGKKKIS K ADIGA
17544	P42768	242	ADIGAPS G FKHVS
17545	P42768	248	SGFKHVS H VGWDP
17546	P42768	269	LDPDLRS L FSRAG
17547	P42768	272	DRLSLF S RAGISE
17548	P42768	277	FSRAGI S EAQLTD
17549	P42768	287	LTDAET S KL I YDF
17550	P42768	320	PPPPPPSRGGNQL
17551	P42768	339	GGNKGRS G PLPPV
17552	P42768	378	PPATGRS G PLPPP
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17554	P42768	406	PPPPPSS G NGPAP
17555	P42768	453	TPGAPES S ALQPP
17556	P42768	454	PGAPESS S ALQPPP
17557	P42768	462	LQPPPQS E GLVVG
17558	P42768	463	QPPPQS E GLVGA
17559	P42768	478	HVMQKRS R AIIHSS
17560	P42771	12	GSSMEPSADWLAT
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17562	P42771	56	QVMMMG S ARVAEL
17563	P42858	13	LMKA F ESLKFQQ
17564	P42858	217	PCLTRTS K RPEES
17565	P42858	415	EESGGRS R SGSIV
17566	P42858	417	SGGRSRS G SIVEL
17567	P42858	464	RSDVSS S ALTASV
17568	P42858	475	SVKDEI S GELAAS
17569	P42858	555	NDGTQAS S PISDS
17570	P42858	614	ILPDEA S SEAFRNS
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17572	P42858	634	HLLKNMS H CRQPS
17573	P42858	643	RQPSDSS V DKFVL
17574	P42858	673	KGDIGQS T DDDSA
17575	P42858	1033	EALCLL S TAFPVC
17576	P42858	1058	LSASDES R KSCTV
17577	P42858	1075	MILTLL S SAWFPL
17578	P42858	1076	ILTLLSS A WFPLD
17579	P42858	1171	IKAA L PSLTNPPS
17580	P42858	1210	SEASAAS R QSDTS
17581	P42858	1467	NYCLLDS D QVFIG
17582	P42858	1741	LPEETFS R FLLQL
17583	P42858	2057	RHQRLY S LLDRFR
17584	P42858	2078	SPSPPVS H PLDG
17585	P42858	2112	SQCWT R DSALLE
17586	P42858	2157	LGMSEI S GGQKSA
17587	P42858	2306	FVTHAC S LIYCVH

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17590	P42858	3003	VIGEFLSNQQPYP
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17593	P42858	3124	VVAAPGSpyhrlL
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17597	P43220	93	WYLPWASSVPQGH
17598	P43220	94	YLPWASSVPQGHV
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17600	P43220	117	LQKDNN SLPWRDL
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17602	P43220	129	LSECEESKRGRERS
17603	P43220	135	SKRGRERS SPEEQL
17604	P43220	136	KRGRERS SPEEQLL
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17606	P43220	157	GYALSF SALVIAS
17607	P43220	163	SALVIASAILLG
17608	P43220	186	HNLNFAS FILRAL
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17616	P43220	352	KCRLAKSTLTLLIP
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17618	P43220	392	TELSFTS FQGLMV
17619	P43220	416	QLEFRKS WERWRL
17620	P43220	431	LHIQRDS SMKPLK
17621	P43220	432	HIQRDSS MKPLKC
17622	P43220	442	LKCPTSSLSSGAT
17623	P43220	444	CPTSSLSSGATAG
17624	P43220	445	PTSSLSSGATAGS
17625	P43220	451	SGATAGS SMYTAT
17626	P43220	452	GATAGSS MYTATC
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17628	P43243	22	GHGRDL SAAGIGL
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17630	P43243	79	LSSASTS SHNLQS
17631	P43243	80	SSASTSS HNLQSI
17632	P43243	85	SSHNLQS IFNIGS
17633	P43243	99	GPLPLSS QHRGDA
17634	P43243	109	GDADQAS NILASF
17635	P43243	114	ASNILAS FGLSAR
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17637	P43243	188	RHFRRDS FDDRG
17638	P43243	195	FDDRGPS LNPVLD
17639	P43243	208	YDHGSR SQESGYY
17640	P43243	234	ERCRDDS FFGETS
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17643	P43243	307	HSNKEWS QHINGA
17644	P43243	314	QHINGAS HSRRRCQ
17645	P43243	362	LGPPPPSFHLGGP

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17652	P43243	606	DGKESPSDKSKT
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17655	P43243	631	KEQEEKSGEDGEK
17656	P43243	674	LLESGSSVGDETD
17657	P43243	689	NLGDVASDGKKEP
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17662	P43268	22	YTFSSKS PGNGSL
17663	P43268	27	KSPGNGSLREALI
17664	P43268	58	DLFQDLSHFQETW
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17667	P43268	90	ENLAFHSPTRIK
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17669	P43268	111	DPALSCSRKPPLP
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17678	P43268	194	PLDICHSFTSQGG
17679	P43268	197	ICH SFTSQGGGRE
17680	P43268	224	PPYPQQSFKQEYH
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17682	P43268	277	DVTGCASMYLHT
17683	P43268	286	LHTEGFSGPSPGD
17684	P43268	289	EGFSGPSPGDGAM
17685	P43268	396	MNYDKLSRSLRY
17686	P43268	398	YDKLSRS LRYYYE
17687	P43268	429	EPEALFSLAFPDN
17688	P43268	449	EFDRPVSEEDTV
17689	P43268	457	EDTVPLSHLDESP
17690	P43268	462	LSHLDES PAYLPE
17691	P43351	14	ILGGRDSSH PAAGG
17692	P43351	22	PAAGGGS VLCFGQ
17693	P43351	53	LGPEYIS SRMAGG
17694	P43351	54	GPEYISSRMAGGG
17695	P43351	87	YNGWAHS ITQQNV
17696	P43351	119	VQLKDGS YHEDVG
17697	P43351	129	DVGYGVSEGLKSK
17698	P43351	134	VSEGLKS KALSLE
17699	P43351	138	LKS KALS LEKARK
17700	P43351	157	LKR ALRS FGNALG
17701	P43351	174	DKDYLRSLNKLPR
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17703	P43351	224	QLQQVTS PSRPSH

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17705	P43351	240	PADQDC\$SRSLS
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17707	P43351	245	CSSRSL\$SSAVES
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17709	P43351	247	SRSLS\$SAVESEA
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17711	P43351	283	VRVSTPSAEKSEA
17712	P43351	287	TPSAEK\$SEAAPPA
17713	P43351	299	APPVTH\$TPVTVS
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17715	P43351	346	DGVVKP\$SRADPA
17716	P43351	347	GVVKP\$SRADPAQ
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17729	P43403	167	MPWYH\$SLTREEA
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17747	P43403	497	SYYTARS\$AGKWPL
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17751	P43403	524	SRSDVWS\$YGVTMW
17752	P43403	534	TMWEALS\$YQKPY
17753	P43403	573	ELYALMS\$DCWIYK
17754	P43403	599	MRACYYS\$LASTKVE
17755	P43403	602	CYYSLAS\$KVEGPP
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17761	P43405	93	DLCHYHS\$QESDGL

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17769	P43405	279	RPQLPGSHPATWS
17770	P43405	285	SHPATWSAGGIIS
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17775	P43405	479	ELVHQVSMGMKYL
17776	P43405	488	MKYLEESNFVHRD
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17778	P43405	516	ISDFGLSKALRAD
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17780	P43405	551	NYYKFSKSDVWS
17781	P43405	553	YKFSSKSDVWSFG
17782	P43405	557	SKSDVWSFGVLMW
17783	P43405	567	LMWEAFSYGQKPY
17784	P43686	19	DEIPALSVSRPQT
17785	P43686	21	IPALSVSRPQTGL
17786	P43686	28	RPQTGLSFLGPEP
17787	P43686	42	DLEDLYSRYKKLQ
17788	P43686	84	EVKRIQSIPLVIG
17789	P43686	105	NTAIVGSTTGSNY
17790	P43686	109	VGSTTGSNYYVRI
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17794	P43686	149	LPPEADSSIMMLT
17795	P43686	150	PPEADSSIMMLTS
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17797	P43686	233	FIRVVGSEFVQKY
17798	P43686	346	QKRLIFSTITSKM
17799	P43686	350	IFSTITSKMNLS
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17803	P43686	382	NSICQESGMLAVR
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17805	P45985	16	GGSGGGSGSGTPG
17806	P45985	18	SGGGSGSGTPGPV
17807	P45985	26	TPGPVGSPAPGHP
17808	P45985	35	PGHPAVSSMQGKR
17809	P45985	36	GHPAVSSMQGKRK
17810	P45985	55	ANPPFKSTARFTL
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17812	P45985	83	RTHSIESSGKLKI
17813	P45985	84	THSIESSGKLKIS
17814	P45985	90	SGKLKISPEQHWD
17815	P45985	115	GRGAYGSVNKMVH
17816	P45985	124	KMVHKPSGQIMAV
17817	P45985	135	AVKRIRS TVDEKE
17818	P45985	155	LDVVMRS SDCPYI
17819	P45985	156	DVVMRSS DCPYIV

17820	P45985	182	ICMELMSSTSFDKF
17821	P45985	184	MELMSTSFDKFYK
17822	P45985	194	FYKYVYSVLDDVI
17823	P45985	233	HRDIKPSNILLDR
17824	P45985	240	NILLDRSGNIKLC
17825	P45985	251	LCDFGISGQLVDS
17826	P45985	257	SGQLVDSIAKTRD
17827	P45985	278	PERIDPSASRQGY
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17829	P45985	288	QGYDVRSDVWSLG
17830	P45985	292	VRSDVWSLGITLY
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17834	P45985	337	SEEREFSPSFINF
17835	P45985	339	EREFSPSFINFVN
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17838	P46060	29	LSFKGKSLKLNTA
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17846	P46060	173	TECHRKSQAQGKP
17847	P46060	174	ECHRKSQAQGKPL
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17856	P46060	471	DPEKVVSASFVKS
17857	P46060	477	SAFLKVSVFKEDE
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17859	P46060	504	MQKAFNSSSFNSN
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17861	P46060	506	KAFNSSFNSNTF
17862	P46060	509	NSSSFNSNTFLTR
17863	P46060	525	HMGLLKSEDVKVA
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17866	P46060	574	SALESCSFARHSL
17867	P46060	579	CSFARHSLLQTL
17868	P46108	11	FDSEERSSWYWGRL
17869	P46108	12	DSEERSSWYWGRL
17870	P46108	19	WYWGRILSRQEAVA
17871	P46108	40	VFLVRDSSSTSPGD
17872	P46108	41	FLVRDSSSTSPGDY
17873	P46108	43	VRDSSTS PGDYVL
17874	P46108	50	PGDYVLSVSENSR
17875	P46108	52	DYVLSVSENSRVS
17876	P46108	55	LSVSENSRVSHYI
17877	P46108	58	SENSRVS HYIINS

17878	P46108	64	SHYIINS S GPRPP
17879	P46108	65	HYIINSS S GPRPPV
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17881	P46108	83	QPPPVG S PSRLRI
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17883	P46108	96	GDQEFD S LPALLE
17884	P46108	119	TLIEPV S RSRQGS
17885	P46108	121	IEPVRS S RQGSGV
17886	P46108	125	SRSRQGS S GVLRQ
17887	P46108	175	WWNAED S EGKRGM
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17889	P46108	196	YRPASAS S VSALIG
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17893	P46108	272	VTKINV S GQWEGE
17894	P46527	12	VSNGSP S LERMAD
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17896	P46527	56	RDMEEA S QRKWNF
17897	P46527	83	QEVEKG S LPEFYY
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17899	P46527	110	QESQDV S GSRPAA
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17901	P46527	125	IGAPAN S EDTHLV
17902	P46527	138	DPKTD S DSQTGL
17903	P46527	140	KTDPDS S QTGLAE
17904	P46527	160	RPATDD S STQNKR
17905	P46527	161	PATDD S STQNKR
17906	P46527	175	RTEENV S DGSPNA
17907	P46527	178	ENVSD S PNAGSV
17908	P46527	183	GSPNAG S VEQTPK
17909	P46531	25	ARGPRC S QPGETC
17910	P46531	146	QADPCAS N PCANG
17911	P46531	225	YVPCSP S PCQNGG
17912	P46531	378	LNDACIS N PCNEG
17913	P46531	435	CINTLG S FECQCL
17914	P46531	579	DPCHYG S CKDGVA
17915	P46531	836	LAPCAP S PCRNGG
17916	P46531	854	EDYESF S CVCPTG
17917	P46531	951	DINECA S DPCRNG
17918	P46531	1004	CVDGIN S FTCLCP
17919	P46531	1100	CDVPSV S CEVAAQ
17920	P46531	1235	VDPVRS S PKCFNN
17921	P46531	1273	DVNECL S NPNDAR
17922	P46531	1409	CEPTSE S PFYRCL
17923	P46531	1689	RQCQAS S QCQFS
17924	P46531	1711	ALASLG S LNIPYK
17925	P46531	1970	PLHAAVSADAQGV
17926	P46531	2121	EYNLVRS S PQLHGA
17927	P46531	2148	PNGYL S SLKPGVQ
17928	P46531	2221	SPPLLPS S PFQQSP
17929	P46531	2226	PSPFQQ S PSVPLN
17930	P46531	2289	STVLG S SSGGALN
17931	P46531	2303	TVGGST S LNGQCE
17932	P46531	2312	GQCEWL S RLQSGM
17933	P46531	2329	YNPLRGS S VAPGPL
17934	P46531	2341	LSTQAPS L QHGMV
17935	P46531	2352	MVGPLHS S SLAASA

17936	P46531	2439	FLSGEPSQADVQP
17937	P46531	2467	SPALPTSLPSSLV
17938	P46531	2470	LPTSLPSLVPPV
17939	P46531	2491	PSQHSYSSPVDNT
17940	P46531	2492	SQHSYSSPVDNTP
17941	P46531	2516	LTPSPESPQWSS
17942	P46695	22	APTPAPSTIPGPR
17943	P46695	53	APAGRPSASRGHR
17944	P46695	55	AGRPSASRGHRKR
17945	P46695	62	RGHRKRSRRVLYP
17946	P46695	119	DAPNAASLAPTPV
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17948	P46695	139	NLTSEPSDYALDL
17949	P46695	146	DYALDLSTFLQQH
17950	P46734	11	ASSQPASMPQSKG
17951	P46734	19	PQSKGKSKRKKDL
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17953	P46734	31	LRISCMSSKPPAPN
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17957	P46734	101	IRATVNSQEQKRL
17958	P46734	146	MELMDTSLDKFYR
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17973	P46736	50	DDTRSDSKFAYTG
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17978	P46736	101	EQLSAASTEAEERL
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17980	P46736	132	HITVWPSHVDVRT
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17984	P46736	182	IQAQKSSESLHGP
17985	P46736	184	AQKSSES LHGPRD
17986	P46736	193	GPRDFWSSSQHIS
17987	P46736	194	PRDFWSSSQHISI
17988	P46736	195	RDFWSSSQHISIE
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17996	P46736	280	SQMSAVSGPLLQW
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18008	P46779	76	QRKPATSYVRTTI
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18025	P46783	97	PATLRRSRPETGR
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18040	P46821	1433	SPFEEKSGKQGSP
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18055	P46821	2072	YTAEKKSPEARQ
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18070	P46937	217	NVTAPTSPPVQQN
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18160	P47712	731	RCSVSLSNVEARR
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18164	P47756	42	CEDLLSSVDQPLK
18165	P47756	70	YNRDGDSYRSPWS
18166	P47756	73	DGDSYRSRSPWS
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18175	P47756	171	AHYKLTSTVMLWL
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18181	P47756	226	MENKIRSTLNEIY
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18204	P47895	460	LASALESGTVWIN
18205	P47895	483	FGGFKMSGNGREL
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18207	P47897	12	SLSLFTSLGLSEQ
18208	P47897	16	FTSLGLSEQKARE
18209	P47897	27	RETLKNSALSAQL
18210	P47897	30	LKN SALSAQLREA
18211	P47897	46	AQQTLGS TIDKAT
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18253	P48047	119	AENGRLSNTQGVV
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18255	P48047	129	GVVSAFS TMM SVH
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18273	P48048	183	AILAKISRP KKRA
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18279	P48048	276	HVIDHNSPF FHMA
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18315	P48551	467	DPDNVQSNHLLAS
18316	P48551	473	SNHLLASGETQP
18317	P48551	485	PTFPSPSEGLWS
18318	P48551	486	TFPSPSSEGLWSE
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18325	P48552	150	LQTVALSQQIRQS
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18344	P48552	644	GMQSSMSVEEQRP
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18348	P48552	791	APAVQRSAPALPV
18349	P48552	798	APALPVSEDFKSE
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18351	P48552	942	LKQLLLSENCVRD
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18353	P48552	1078	LQKGGSVTSRET
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18383	P48735	134	LKKMWKSPNGTIR
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18385	P48735	227	MYNTDESISGFAH
18386	P48735	229	NTDESIISGFAHSC
18387	P48735	234	ISGFAHSFCQYAI
18388	P48735	249	KWPLYMSTKNTIL
18389	P48735	300	VAQVLKSSGGFWA
18390	P48735	301	AQVLKSSGGFWA
18391	P48735	317	YDGDVQS DILAQG
18392	P48735	326	LAQGFGS LGLMTS
18393	P48735	332	SLGLMTS VLVCVD
18394	P48735	365	QKGRPTSTNPIAS
18395	P48735	371	STNPIASIFAWTR
18396	P48735	408	CVETVESGAMTKD
18397	P48735	423	GCIHGLSNVKLNE
18398	P48735	443	FLDTIKSNLDRAL
18399	P48736	47	EFVLPTSQRKCKS

18400	P48736	82	LRALET S VAAADFY
18401	P48736	144	VQRHPP S EESEQAF
18402	P48736	204	MHPWVT S KPLPEY
18403	P48736	227	FIVIHR S TTSQTI
18404	P48736	230	IHRSTT S QTICKVS
18405	P48736	247	PGAIL Q SFFTAKMA
18406	P48736	257	KMAKK K SLMDIPE
18407	P48736	353	ESVFTV S LWDCDR
18408	P48736	417	NVWLEF S IKIKDL
18409	P48736	446	ALSSK A ESPSS
18410	P48736	449	SKASA E SPSES
18411	P48736	451	ASAESP S SESKGK
18412	P48736	452	SAESP S SESKGKV
18413	P48736	454	EPSSES K GKVQL
18414	P48736	504	NADKLT S ATNPDK
18415	P48736	513	NPDKEN S MSISIL
18416	P48736	517	ENSMSI S ILLDNY
18417	P48736	582	WHFRYESLKHPKA
18418	P48736	594	AYPKLF S SVKGQ
18419	P48736	595	YPKLFS S VKGQQ
18420	P48736	636	LLDCNFS D ENVRA
18421	P48736	650	AVQKLES L EDDDV
18422	P48736	753	LDIKSL S AEKYDV
18423	P48736	760	AEKYDV S SQVISQ
18424	P48736	761	EKYDV S SQVISQL
18425	P48736	871	LPYGC I STGDKIG
18426	P48736	915	HWLKEK S PTEEKF
18427	P48736	974	ILGNYK S FLGINK
18428	P48736	998	LFVMGT S GKKTSP
18429	P48736	1032	LLIILF S MMMLMTG
18430	P49023	16	DLESTT S HISKRP
18431	P49023	32	SEETPY S YPTGNH
18432	P49023	73	DQWQPSS S RFIHQ
18433	P49023	74	QWQPSS S RFIHQ
18434	P49023	96	SSAKTSS S VSNPQD
18435	P49023	98	AKTSSV S NPQDSV
18436	P49023	103	VSNPQDS S VGSPCS
18437	P49023	109	SVGSPCS R VGEEE
18438	P49023	135	PSPTVMS T SLGSN
18439	P49023	140	MSTS L GSNLSELD
18440	P49023	169	PADEANS S PPPLPG
18441	P49023	178	PLPGALS P LYGVP
18442	P49023	188	GVPETNS P LGGKA
18443	P49023	216	LEDVRP S VESLLD
18444	P49023	226	LLDELES S VPSPV
18445	P49023	227	LDELESS V PSPV
18446	P49023	243	VNQGEMS S PQRVT
18447	P49023	250	SPQRVT S TQQQTR
18448	P49023	258	QQQTRISASSATR
18449	P49023	261	TRISASSATRELD
18450	P49023	272	LDELMAS L SDFKI
18451	P49023	302	PRDGGRS S SPGGQD
18452	P49023	303	RDGGRSS P GGQDE
18453	P49023	320	AQGKTG S SSPPGG
18454	P49023	321	QGKTGSS S PAGGP
18455	P49023	340	LDSMLGS L QSDLN
18456	P49023	343	MLGSLQS D LNKLG
18457	P49023	393	CQEEIG S RNFFER

18458	P49023	414	DYHNLFS SPRCYYC
18459	P49023	489	I LEN YIS A N T LW
18460	P49023	536	R R GSLCS G CQKPI
18461	P49137	50	PQFHVK S GLQIKK
18462	P49137	67	DDYKV T SQVLGLG
18463	P49137	112	ELHW R ASQC P HIV
18464	P49137	148	DGGELF S RIQDRG
18465	P49137	164	FTEREASEIMKSI
18466	P49137	169	ASEIMK S IGEAIQ
18467	P49137	179	AIQYLHSINIAHR
18468	P49137	196	ENLLYT S KRPNAI
18469	P49137	216	FAKETT S HNSLTT
18470	P49137	219	ETTS H NSLTTPCY
18471	P49137	243	PEKYDK S CDMW S L
18472	P49137	248	KSCDMWS L GVIMY
18473	P49137	265	GYPPFY S NHGLAI
18474	P49137	292	FPNPEW S EVSEEV
18475	P49137	295	PEWSEV S EVKML
18476	P49137	339	QTPLHT S RVLKED
18477	P49137	358	VKEEMT S ALATMR
18478	P49137	379	KKIEDAS N PLL L K
18479	P49189	9	TGT F VVSQPLNYR
18480	P49189	26	VEPADAS G TEKAF
18481	P49189	46	IATFTCS G EKEVN
18482	P49189	66	AAFKIWS Q KSGME
18483	P49189	69	KIWSQKS G MERC R
18484	P49189	102	CINNGKS I FEARL
18485	P49189	113	RLDIDIS W QCLEY
18486	P49189	126	YAGLAAS M AGEHI
18487	P49189	138	IQLPGGS F GYTRR
18488	P49189	164	YPFQIAS W KSAPA
18489	P49189	167	QIASWK S APALAC
18490	P49189	182	AMVFKPS P FTPVS
18491	P49189	188	SPFTPVSALLAE
18492	P49189	197	LLAEIY S SEAGVPP
18493	P49189	229	PDVAKVS F TGSVP
18494	P49189	233	KVSFTGS V PTGMK
18495	P49189	244	MKIMEMS A KG I KP
18496	P49189	259	LELGGKS P LIIFS
18497	P49189	265	SPLIIFS D CDMNN
18498	P49189	398	I F GPVMS I LSFDT
18499	P49189	401	PVMSILS F DTEAE
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18501	P49189	463	FGGYKK S GFGREN
18502	P49189	478	VTIEYYSQLKTVC
18503	P49327	131	ETLVGY S MVG C QR
18504	P49327	145	MMANRLS F FFDFR
18505	P49327	154	FDFRGPS I ALDTA
18506	P49327	163	LDTACSS S LMALQ
18507	P49327	327	LIGSTKS N MGHPE
18508	P49327	392	GNVGIN S FGFGGS
18509	P49327	445	EQGLRH S QDLAFL
18510	P49327	452	QDLAFLS M LNDIA
18511	P49327	684	GGMAFH S YFMEAI
18512	P49327	709	REP K PRS A WLST
18513	P49327	730	SSLART S SAEYNV
18514	P49327	731	SLARTSSA E YNV
18515	P49327	806	IGRLHLS G IDANP

18516	P49327	867	IYNIDTSSESPDH
18517	P49327	947	SRAFEVSSENGNLV
18518	P49327	1012	QGILEASLEGDSG
18519	P49327	1037	DTMLQMSILGSAK
18520	P49327	1183	ELPRLLSAACRLQ
18521	P49327	1237	AVENMPSLKMKV
18522	P49327	1309	APSALGSADLLVC
18523	P49327	1382	AWESLFSSRVSLRL
18524	P49327	1394	LVGLKKSFYGSTL
18525	P49327	1451	AINCATSGVVGLV
18526	P49327	1542	LTRGDLSIRWVC
18527	P49327	1584	LATGKLSPDAIPG
18528	P49327	1675	ETLLIHSGGVG
18529	P49327	1723	STSFANSRDTSF
18530	P49327	1948	STSNISSLEGARG
18531	P49327	2074	ILVETMSNTDTIV
18532	P49327	2081	TNTTIVSGTLPQR
18533	P49327	2107	QPHMVLSSFVLAE
18534	P49327	2350	VLAYTQSRYAKLT
18535	P49327	2407	VDLIIKSHQGLDR
18536	P49368	11	RPVLVLSQNTKRE
18537	P49368	18	QNTKRESGRKVQS
18538	P49368	24	SGRKVQSGNINAA
18539	P49368	45	TCLGPKSMMKML
18540	P49368	79	QHPAAKSMEISR
18541	P49368	84	KSMIEISRTQDEE
18542	P49368	97	VGDGTTSVIILAG
18543	P49368	107	LAGEMLSVAEHFL
18544	P49368	124	HPTVVISAYRKAL
18545	P49368	135	ALDDMISTLKIS
18546	P49368	141	STLKKISIPVDIS
18547	P49368	147	SIPVDISSDMML
18548	P49368	149	PVDISSDMMLNI
18549	P49368	158	MNIIINSSITTKA
18550	P49368	159	LNIINSSITTKAI
18551	P49368	166	ITTKAISRWSSLA
18552	P49368	169	KAISRWSLACNI
18553	P49368	170	AISRWSLACNIA
18554	P49368	212	GGIIEDSCVLRGV
18555	P49368	243	RIVLLDSSLEYKK
18556	P49368	244	IVLLDSSLEYKKG
18557	P49368	252	EYKKGESQTDIEI
18558	P49368	297	ITEKGISDLAQHY
18559	P49368	333	CGARIVSRPEELR
18560	P49368	380	ILLRGASKEILSE
18561	P49368	385	ASKEILSEVERNL
18562	P49368	414	VPGGGASEMAVAH
18563	P49368	426	HALTEKSAMTGV
18564	P49368	458	IQNCGASTIRLLT
18565	P49368	465	TIRLLTSLRAKHT
18566	P49368	524	RIDDIVSGHKKG
18567	P49368	534	KKGDDQSRQGGAP
18568	P49407	13	RVFKKASPNGKLT
18569	P49407	86	FVANVQSFPAPA
18570	P49407	126	PPNLPCSVTLQPG
18571	P49407	163	KIHKRNSVRLVIR
18572	P49407	193	TRQFLMSDKPLHL
18573	P49407	202	PLHLEASLDKEIY

18574	P49407	215	YHGEPI S VNVHVT
18575	P49407	234	VKKIKI S VRQYAD
18576	P49407	265	DDTVAPS S TFCKV
18577	P49407	266	DTVAPSS T FCKVY
18578	P49407	302	EDTNLAS S TLLRE
18579	P49407	303	DTNLASS T LLREG
18580	P49407	320	ILGIIVS Y KVKVK
18581	P49407	330	KVKLVVS R GGLLG
18582	P49407	340	LLGDLAS S DVAVE
18583	P49407	341	LGDLASS D VAVEL
18584	P49450	32	PSRRGPs L GASSH
18585	P49450	36	GPSLGAS S HQHSR
18586	P49450	37	PSLGASS H QHSRR
18587	P49450	41	ASSHQH S RRRQGW
18588	P49450	57	IRKLQK S THLLIR
18589	P49450	68	IRKLPF S RLAREI
18590	P49459	25	DPPAGV S GAPSEN
18591	P49459	29	GVSGAP S NNIMV
18592	P49459	74	PTVRFV S KMFHPN
18593	P49459	86	NYVADG S ICLDIL
18594	P49459	97	ILQNRWS P TYDVS
18595	P49459	103	SPTYDV S SILTSI
18596	P49459	104	PTYDV S SILTSIQ
18597	P49459	108	VSSILTS I QSLLD
18598	P49459	111	ILTSIQ S LLDEPN
18599	P49459	124	PNSPANS Q AAQLY
18600	P49459	142	EYEKRV S AIIVEQS
18601	P49588	8	DSTLTASE I RQRF
18602	P49588	28	EHTYVHS S SATIPL
18603	P49588	29	HTYVHS S SATIPLD
18604	P49588	103	FFEMLGS W SFGDY
18605	P49588	105	EMLGSWS F GDYFK
18606	P49588	188	GPCGPC S EIHDR
18607	P49588	237	KPLPK S IDTGMG
18608	P49588	249	GLERLVS V LQNKM
18609	P49588	256	VLQNKM S NYDTDL
18610	P49588	342	HEKLN A SRGFFAT
18611	P49588	356	VDVVVQS L GDAFP
18612	P49588	387	QFLKTL S RGRRIL
18613	P49588	403	IQS LGD S KTI PGD
18614	P49588	493	YNYHLD S SGSYVF
18615	P49588	494	NYHLD S SGSYVFE
18616	P49588	520	MFVEEV S TGQEKG
18617	P49588	554	LVKVDD S SEDKTE
18618	P49588	603	RRRPIM S NHTATH
18619	P49588	617	LNFALRS V LGEAD
18620	P49588	627	EADQKG S LVAPDR
18621	P49588	645	TAKGAM S TQQIKK
18622	P49588	698	DPVRVVS I GPVVS
18623	P49588	704	SIGVPV S ELLDDP
18624	P49588	711	ELLDDPS G PAGSL
18625	P49588	719	PAGSL T VEFCGG
18626	P49588	732	THLRNS S HAGAFV
18627	P49588	769	ALRKAES L KKCLS
18628	P49588	775	SLKKCL S VMEA KV
18629	P49588	864	VILEME S GASAKA
18630	P49588	867	EMESGASAKALNE
18631	P49588	886	MHSPQT S AMLFTV

18632	P49588	924	EWVQQVSGLMDGK
18633	P49588	937	GGGKDVSQAQATGK
18634	P49675	12	FKLCAGSSYRHMR
18635	P49675	13	KLCAGSSYRHMRN
18636	P49675	32	QAVMAISQELNRR
18637	P49675	46	LGGPTPS TWINQV
18638	P49675	56	NQVRRRS SLLGSR
18639	P49675	61	RSSLLGS RLEETL
18640	P49675	69	LEETLYS DQELAY
18641	P49675	91	KALGILSNQEGWK
18642	P49675	100	EGWKES QQDNGD
18643	P49675	110	NGDKVMS KVVPDV
18644	P49675	186	GPRDFVS VRCAKR
18645	P49675	233	LHPLAGSPSKTKL
18646	P49675	235	PLAGSPSKTKLTW
18647	P49675	244	KLTWLLS IDLKGV
18648	P49675	254	KGWLPKSI INQVL
18649	P49675	261	I INQVL SQTQVDF
18650	P49675	277	LRKRLESHPASEA
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18652	P49682	25	LLENFSS SYDYGE
18653	P49682	26	LENFSS SYDGEN
18654	P49682	34	DYGENES DSCCTS
18655	P49682	36	GENESD SCCTSPP
18656	P49682	40	SDSCCTS PPCPQD
18657	P49682	48	PCPQDFSLNF DRA
18658	P49682	61	FLPALYS LLFLLG
18659	P49682	80	VAAVLLS RRTALS
18660	P49682	86	SRRTALS STDTFL
18661	P49682	87	RRTALSS STDTFL
18662	P49682	121	VQWVFGS GLCKVA
18663	P49682	146	LLLACIS FDRYLN
18664	P49682	191	PDFIFL SAHHDER
18665	P49682	245	LAVLLVS RGQRRL
18666	P49682	294	RNCGRES RVDVAK
18667	P49682	301	RVDVAKS VTSGLG
18668	P49682	304	VAKSVTS GLGYMH
18669	P49682	349	GLQRQPSS SSRD
18670	P49682	350	SSRQPSS SRRDSS
18671	P49682	351	QRQPSS SRRDSSW
18672	P49682	355	SSSRRDSS SWSETS
18673	P49682	356	SSRRDSS WSETSE
18674	P49682	358	RRDSS WSETSEAS
18675	P49715	16	EPRPPMS SHLQSP
18676	P49715	17	PRPPMSS HLQSPP
18677	P49715	21	MSSH LQS PPHAPS
18678	P49715	27	SPPHAPSS AAFGF
18679	P49715	28	PPHAPSS AAF GFP
18680	P49715	61	ICEHETS IDISAY
18681	P49715	65	ETSIDISAY IDPA
18682	P49715	85	ADLFQHS RQQEKA
18683	P49715	251	GLPGPGS ALKGLG
18684	P49715	266	HPDLRAS GGSGAG
18685	P49715	269	LRASGG S GAGKAK
18686	P49715	277	AGKAKKS VDKNSN
18687	P49715	282	KSVDKNS NEYRVR
18688	P49715	299	NIAVRKS SRDKAKQ
18689	P49715	319	KVLELT S DNDRLR

18690	P49715	332	KRVEQLSRELDTL
18691	P49715	348	FRQLPESSLVKAM
18692	P49715	349	RQLPESSLVKAMG
18693	P49720	89	KPYTLMSSMVANLL
18694	P49720	123	FKPFICSLDLIGC
18695	P49720	139	TDDFVVSGTCAEQ
18696	P49720	152	MYGMCESLWEPNM
18697	P49720	168	HLFETISQAMLNA
18698	P49720	181	VDRDAVSGMGVIV
18699	P49736	31	TSSPGRSSRRTDA
18700	P49736	32	SSPGRSSRRTDAL
18701	P49736	170	DEEMIESIENLED
18702	P49736	209	LRTHVDSHGNVF
18703	P49736	220	VFKERISDMCKEN
18704	P49736	229	CKENRESLVVNYE
18705	P49736	286	HIHVRISHLPLVE
18706	P49736	296	LVEELRSLRQLHL
18707	P49736	309	NQLIRTSGVVTSC
18708	P49736	314	TSGVVTSTGVLP
18709	P49736	342	LGPFCQSQNQEVK
18710	P49736	351	QEVKPGSCPECQS
18711	P49736	393	AGRLPRSKDAILL
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18715	P49736	530	DPGTAKSQFLKYI
18716	P49736	541	YIEKVSSRAIFTT
18717	P49736	566	VQRHPVSREWITLE
18718	P49736	610	MEQQSISISKAGI
18719	P49736	640	GGRYDPSLTFSSEN
18720	P49736	644	DPSLTFSENVDLT
18721	P49736	655	LTEPIISRFDILC
18722	P49736	689	HVRHHPSNKEEG
18723	P49736	748	KVAKMYSDLRKES
18724	P49736	759	ESMATGSIPITVR
18725	P49736	801	IRVMLESFIDTQK
18726	P49736	823	TFARYLSFRRDNN
18727	P49736	878	INIHNLSAFYDSE
18728	P49736	883	LSAFYDSELFRMN
18729	P49736	892	FRMNKFSSHDLKRK
18730	P49756	45	MIPVPMSSMAPAP
18731	P49756	59	VLVPTVSMVGKHL
18732	P49756	95	VFGNISEKASDM
18733	P49756	115	KCGLVLSSWKRVQG
18734	P49756	139	EYKEPESTLRALR
18735	P49756	220	LIREYSELNAPS
18736	P49756	226	SELNAPSQESDSH
18737	P49756	229	NAPSQESDSHPRK
18738	P49756	231	PSQESDSHPRKKK
18739	P49756	278	DKRDLISREISKF
18740	P49756	282	LISREISKFRDTH
18741	P49756	374	DRDRERSSDRNKD
18742	P49756	375	RDRERSSDRNKDR
18743	P49756	382	DRNKDRSRREKS
18744	P49756	384	NKDRSRREKS
18745	P49756	388	SRSREKS
18746	P49756	516	PKYYRGSSALQKRL
18747	P49756	621	PTLRPISSAPSVS

18748	P49756	622	TLRPISSAPS VSSASGNA
18749	P49756	627	SSAPSVSSASGNAT
18750	P49756	628	SAPSVSSASGNATPN
18751	P49756	630	PSVSSASGNATPN
18752	P49756	642	NTPGDES PCGIII
18753	P49756	653	IIPHENS PDQQQP
18754	P49756	669	RPKIGLSLKLGA
18755	P49756	675	SLKLGA NSPGQP
18756	P49756	693	KKLPVDS VFNKE
18757	P49756	760	AYPLDWS IVDSL
18758	P49756	764	DWSIVDSL MERR
18759	P49756	796	LVDFVC SKVMAHS
18760	P49756	803	KVMAHSS PQSILD
18761	P49760	10	PRRYHSS ERGSRG
18762	P49760	17	ERGSRG SYREHYR
18763	P49760	24	YREHYRS RKHKRR
18764	P49760	32	KHKRRRS RSWSSS
18765	P49760	36	RRSRSSW SSSDRT
18766	P49760	37	RSRSWSS SSDRTR
18767	P49760	38	SRSWSSS DRTRRR
18768	P49760	39	RSWSSSS DRTRRR
18769	P49760	50	RRRRED SYHVRSR
18770	P49760	55	DSYHVRSSY DDYDD
18771	P49760	58	HVRSSR SSY DRRSS
18772	P49760	63	SSYDDRS SDRRVY
18773	P49760	83	YRRNDY SRDRGDA
18774	P49760	113	SYRSQRS SRRKHR
18775	P49760	114	YRSQRSS RRKRR
18776	P49760	125	RRRRRRS RTFSRS
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18778	P49760	131	SRTFSRS SSQHSS
18779	P49760	132	RTFSRSS SQHSSR
18780	P49760	133	TFSRSS SQHSSRR
18781	P49760	136	RSSSQHS SRRAKS
18782	P49760	167	ERYEIVS TLGEGT
18783	P49760	242	HGHMCIS FELLGL
18784	P49760	249	FELLGLS TFDFLK
18785	P49760	301	NILFVNS DYELTY
18786	P49760	320	DERSVKSTAVRVV
18787	P49760	330	RVVDFGS ATFDHE
18788	P49760	339	FDHEHH STIVSTR
18789	P49760	343	HHSTIVS TRHYRA
18790	P49760	359	ILELGWS QPCDVW
18791	P49760	444	LRRYLT SEAEHH
18792	P49768	9	ELPAPL S YFQNAQ
18793	P49768	17	FQNAQM SEDNHLS
18794	P49768	23	SEDNHLS NTVRSQ
18795	P49768	28	LSNTVRS QNDNRE
18796	P49768	51	GHPEPL SNGRPQG
18797	P49768	59	GRPQGNS RQVVEQ
18798	P49768	102	VVATIKS VSFYTR
18799	P49768	104	ATIKSVS FYTRKD
18800	P49768	132	GQRALHS ILNAAI
18801	P49768	141	NAAIMIS VI VVMT
18802	P49768	169	HAWLIIS SLLLFF
18803	P49768	170	AWLIIS SLLLFF
18804	P49768	178	LLLFFF SIYLG
18805	P49768	212	GVVGMIS IHWKG

18806	P49768	230	AYLIMI S ALMALV
18807	P49768	254	LILAVI S VYDLVA
18808	P49768	289	FPALIY S STMVWL
18809	P49768	290	PALIY S STMVWL
18810	P49768	313	RRVSKNSKYNAES
18811	P49768	319	SKYNAE S TERESQ
18812	P49768	324	ESTERESQDTVAE
18813	P49768	337	NDDGGF S EEWEAQ
18814	P49768	353	HLGPHR S TPESRA
18815	P49768	357	HRSTPESRAAVQE
18816	P49768	365	AAVQEL S SSILAG
18817	P49768	366	AVQEL S SILAGE
18818	P49768	390	GDFIFY S VLVGKA
18819	P49768	397	VLVGKASATASGD
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18869	P49795	65	WQASRES KLQPLP
18870	P49795	72	KLQPLPS CEVCAT
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19040	P50548	306	GSHFSFSPEDMKR
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19256	P51617	376	SSPSQSSMVARTQ
19257	P51617	451	AGVALRSSTQSTLQ
19258	P51617	454	ALRSTQSTLQAGL
19259	P51617	536	GHSEAASCIPPS
19260	P51617	541	ASCIIPPSHQENSY
19261	P51617	546	PSPQENSYSVSS
19262	P51617	549	QENSYVSTGRAH
19263	P51617	556	STGRAHSGAAPWQ
19264	P51617	568	QPLAAPSAGASAQA
19265	P51617	588	PNQPVESDESLGG
19266	P51617	591	PVESDESLGGLSA
19267	P51617	601	LSAALRSWHLTPS
19268	P51617	607	SWHLTPSCPLDPA
19269	P51617	630	DTAGESSWGSGPG

19270	P51617	652	ALGSSA S SSEPP
19271	P51617	654	GSSASS S SEPPQI
19272	P51617	655	SSASSS S EPPQII
19273	P51617	690	LQLLSS S LPGLG
19274	P51617	691	QLLSSS S LPGLGL
19275	P51636	18	LFMDDDS S YSHHSG
19276	P51636	20	MDDDS S YSHHSGL
19277	P51636	47	DPHRLNS S HLKLGF
19278	P51636	65	EPVTT S FDKVWI
19279	P51636	73	DKVWIC S HALFEI
19280	P51636	80	HALFEI S KYVMYK
19281	P51636	108	ILFAT S CLHIWI
19282	P51636	128	CLMVLP S VQTIWK
19283	P51636	135	VQTIW S KVTDVII
19284	P51636	147	IAPLCT S VGRCFS
19285	P51636	153	SVGR C FSSVSLQL
19286	P51636	154	VGRCF S SVSLQLS
19287	P51654	17	VVAMLL S LDFPGQ
19288	P51654	40	TCHQVR S FFQRLQ
19289	P51654	60	ETPVPG S DLQVCL
19290	P51654	74	KGPTCC S RKMEEK
19291	P51654	97	QLLQSAS S MELKFL
19292	P51654	136	FKNNYPS S LTPQAF
19293	P51654	153	EFTTD S LYILGS
19294	P51654	159	SLYIL S GINVDD
19295	P51654	173	VNELFD S LFPVIY
19296	P51654	190	NPGLPD S ALDINE
19297	P51654	220	LIMTQVS S SLQVT
19298	P51654	222	MTQVSK S LQVTRI
19299	P51654	249	TDHLK S FDKDCGRM
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19301	P51654	302	WREYIL S LEELVN
19302	P51654	325	VLLGLF S TIHDSI
19303	P51654	330	FSTIH S DIQYVQK
19304	P51654	359	QQRQYR S AYYPED
19305	P51654	385	EHEETL S SRRREL
19306	P51654	386	HEETL S RRRELI
19307	P51654	397	LIQKL S KFISFYS
19308	P51654	400	KLKS S FISFYSALP
19309	P51654	403	SFISFY S ALPGYI
19310	P51654	411	LPGYIC S HSPVAE
19311	P51654	433	ELVERY S QKAARN
19312	P51654	460	GPEPV S QIIDKL
19313	P51654	477	QLLRTMS S MPKGRV
19314	P51654	539	DDAPGNS S QQATPK
19315	P51654	560	NLGNVHS S PLKLLT
19316	P51654	567	PLKLLT S MAISVV
19317	P51654	571	LTSMAIS S VVCFFF
19318	P51809	38	ILAKIP S ENNKL
19319	P51809	46	NNKLTY S HGNYLF
19320	P51809	73	DDDFERS S RAFNFL
19321	P51809	92	FQTTYG S RAQTAL
19322	P51809	104	L PYAMN S EFSSVL
19323	P51809	107	AMNSEF S SVLAAQ
19324	P51809	108	MNSEF S SVLAAQL
19325	P51809	118	AQLKHH S ENKGLD
19326	P51809	167	TENLV S DSSVTFKT
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19328	P51809	175	VTFKTT\$RNLLARA
19329	P51809	197	IIIIIV\$IVFIYI
19330	P51809	206	FIYIIIV\$PLCGGF
19331	P51813	15	ELLLKRSQQKKM
19332	P51813	54	RGSRKGSIEIKKI
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19334	P51813	98	YASNEESRSQWLK
19335	P51813	186	LKMDAPSSTTLA
19336	P51813	187	KMDAPSSSTTLAQ
19337	P51813	198	AQYDNE\$KKNYGS
19338	P51813	204	SKKNYGSQPPSSS
19339	P51813	212	PPSSSTS LAQYDS
19340	P51813	218	SLAQYDSNSKKIY
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19343	P51813	254	KLKSSSSEDVAS
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19345	P51813	283	WEFPESSSEEEE
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19349	P51813	333	VGMYTV\$LF SKAV
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19362	P51813	647	IYQIMYS CWHELP
19363	P51884	17	ALIGGT\$GQYYDY
19364	P51884	28	DYDFPLS IYGQSS
19365	P51884	33	LSIYGQS SPNCAP
19366	P51884	34	SIYGQSS PNCAPE
19367	P51884	46	ECNCPE\$ YPSAMY
19368	P51884	49	CPESYPS AMYCDE
19369	P51884	60	DELKLKS VPMVPP
19370	P51884	105	HNLLENS KIKGRV
19371	P51884	113	IKGRVFS KLQLK
19372	P51884	131	HNNLTES VGPLPK
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19375	P51884	177	LKEDAVS AAFKGL
19376	P51884	185	AFKGLKS LEYLDL
19377	P51884	192	LEYLDLS FNQIAR
19378	P51884	201	QIARLPS GLPVSL
19379	P51884	206	PSGLPV\$ LLTLYL
19380	P51884	218	LDNNKIS NIPDEY
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19382	P51884	244	HNELADS GIPGNS
19383	P51884	250	SGIPGNS FNVSSL
19384	P51884	254	GNSFNVS SLVELD
19385	P51884	255	NSFNVS SLVELDL

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19387	P51884	293	EKFDIKSFCKILG
19388	P51884	302	KILGPLSYSKIKH
19389	P51884	304	LGPLSYSKIKHLR
19390	P51884	317	LDGNRISETSLPP
19391	P51884	320	NRISETS LPPDMY
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19393	P51946	15	RHWTFSSEEQLAR
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19395	P51946	78	KPAMPRSVVGTAC
19396	P51946	95	RFYLNNSVMYEHP
19397	P51946	121	VDEFNVSSPQFVG
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19399	P51946	210	YLLYTPSQIALTA
19400	P51946	219	ALTAILSSASRAG
19401	P51946	220	LTAILSSASRAGI
19402	P51946	222	AILSSASRAGITM
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19404	P51946	233	TMESYLSESLMLK
19405	P51946	235	ESYLSESLMLKEN
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19407	P51946	254	LLDIMKSMRNLVK
19408	P51946	267	KYEPPRSEEVAVL
19409	P51946	282	KLERCHSAELALN
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19412	P51955	29	QKIRRKS DGKILV
19413	P51955	43	KELDYGSMTEAEK
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19416	P51955	131	KECHRRSDGGHTV
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19418	P51955	192	EQMNRMSSYNEKSD
19419	P51955	197	MSYNEKS DIWSLG
19420	P51955	201	EKSDIWSLGCLLY
19421	P51955	220	PPFTAQS QKELAG
19422	P51955	261	KDYHRPSVEEILE
19423	P51955	299	PEKSQDSSPVLSE
19424	P51955	300	EKSQDSSPVLSEL
19425	P51955	304	DSSPVLSELKLKE
19426	P51955	368	KFLSLASNPELLN
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19428	P51955	378	LLNLPSVIKKV
19429	P51955	400	IMRSENSES SQLTS
19430	P51955	408	SQLTSKSKCKDLK
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19432	P51991	43	LFIGGLSFETTDD
19433	P51991	50	FETTDDSLREHFE
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19435	P51991	84	FGFVTYS CVEEV
19436	P51991	112	EPKRAVS REDSVK
19437	P51991	116	AVSREDSVKPGAH
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19439	P51991	203	EVKKALS KQEMQS
19440	P51991	209	SKQEMQSAGSQRG
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19454	P51991	370	YGSGGGSGGYGSR
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19458	P52272	111	MDAEGKSRCAVV
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19465	P52272	243	EDKDGGKSRGIGTV
19466	P52272	254	TVTFEQSIEAVQA
19467	P52272	262	EAVQAISSMFNGQL
19468	P52272	365	NMGRFGSGMNMGR
19469	P52272	377	RINEILSNALKRG
19470	P52272	397	GGGGGGSVPGIER
19471	P52272	432	GMDRVGSEIERMG
19472	P52272	446	VMDRMGSVERMGS
19473	P52272	452	SVERMGSIERMG
19474	P52272	467	GLDHMASIERMG
19475	P52272	468	LDHMASSIERMQ
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19477	P52272	513	TIERMGSGVERMG
19478	P52272	528	IERMGLSMERMVP
19479	P52272	575	ERMGANSLERMGL
19480	P52272	588	ERMGANSLERMGP
19481	P52272	618	GGGGGASFDRAIE
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19483	P52272	637	GGSFAGSGFGAGG
19484	P52272	691	KMENGKSKGCGVV
19485	P52272	701	GVVKFESPEVAER
19486	P52272	718	MNGMKLSSGREIDV
19487	P52292	24	KNKGKDSSTEMRR
19488	P52292	54	LKRRNVSSFPDDA
19489	P52292	55	KRRNVSSFPDDAT
19490	P52292	62	FPDDATSPLQENR
19491	P52292	77	QGTVNWSVDDIVK
19492	P52292	87	IVKGINSNVENQ
19493	P52292	88	VKGINSNVENQL
19494	P52292	105	AARKLLSREKQPP
19495	P52292	126	LIPKFVSFLGRTD
19496	P52292	134	LGRTDCSPIQFES
19497	P52292	140	SPIQFESAWALTN
19498	P52292	149	ALTNIASGTSEQT
19499	P52292	152	NIASGTSEQTKAV
19500	P52292	169	AIPAFISLLASPH
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19506	P52292	234	NLTWTLSNLCRNK
19507	P52292	276	DTCWAISYLTDP
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19511	P52292	387	FLVSVLSKADFKT
19512	P52292	406	AVTNYSGGTVEQ
19513	P52292	445	VILDAISNIFQAA
19514	P52292	461	GETEKLSIMIEEC
19515	P52292	483	QNHENEHSVYKASL
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19517	P52292	490	VYKASLSLIEKYF
19518	P52292	497	LIEKYFSVEEEED
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19545	P52333	998	FWYAPESLSDNIF
19546	P52333	1005	LSDNIFSRQSDVW
19547	P52333	1012	RQSDVWSFGVVLY
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19549	P52333	1029	YCDKSCSPSAEFL
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19551	P52333	1089	QDRPSFSALGPQL
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19554	P52434	32	SRLHCESESFKMD
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19578	P52565	174	GMLARGSYSIKSR
19579	P52565	176	LARGSYSIKSRFT
19580	P52565	179	GSYSIKSRFTDDD
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19586	P52630	147	QKHEIESRILDLR
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19592	P52630	413	EQRSGGSGKGSNK
19593	P52630	417	GGSGKGSNKGPLG
19594	P52630	432	EELHIISFTVKYT
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19596	P52630	463	SNMNQLSIAWASV
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19598	P52630	501	LLGPALSWFQFSSY
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19601	P52630	595	LLKKTMSTGTFLR
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19603	P52630	605	LLRFSESSEGGIT
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19605	P52630	627	DKVLIYSVQPYTK
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19607	P52630	699	HRLIVVSNRQVDE
19608	P52630	720	PEPELESLELELG
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19611	P52630	835	VDEVYVSRPSHFY
19612	P52630	838	VYVSRPSHFYTDG
19613	P52655	16	VPKLYRSVIEDVI
19614	P52655	53	ENKLMQSRAVDGF
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19616	P52655	110	QVLIPASQQATAP
19617	P52655	123	QVIVPDSKLIQHM

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19620	P52655	159	QQILTNSGQLLQV
19621	P52655	181	IFQPQQ\$VVLQQQ
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19624	P52655	368	GRDYIF\$KAIGDA
19625	P52732	39	RKASAHSIVECDP
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19627	P52732	159	EFSVKVSLL EIYN
19628	P52732	232	TLMNAYS SRSHSV
19629	P52732	237	YSSRSH\$VFSVTI
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19631	P52732	337	SIIATIS PASLNL
19632	P52732	340	ATISPASLNLEET
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19640	P52732	591	ALGSLTSIPENVS
19641	P52732	617	QSLAAE\$KTVLQE
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19649	P52732	852	NLLEVVSQCCEAS
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19651	P52732	859	QCCEASSSDITEK
19652	P52732	860	CCEASSSDITEKS
19653	P52732	936	KSYLYP\$TLVRTE
19654	P52732	965	LMMLNC\$ENNKEE
19655	P52732	1046	EHLVTK\$RLPLRA
19656	P52735	51	QLLHNLSPGSIDL
19657	P52735	54	HNLSPG\$IDLKDI
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19659	P52735	113	KVISAV\$RLSLHS
19660	P52735	226	IEKNYMSPLRLVL
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19672	P52735	644	KSGYFP\$SSVKPC
19673	P52735	645	SGYFPSSSVKPCP
19674	P52735	646	GYFPSSVKPCPV
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19677	P52735	751	EYYQCH S LKESFK
19678	P52735	769	LKYPYK S RERSAS
19679	P52735	775	SRERSA S RASSRS
19680	P52735	778	RSASRAS S RSPAS
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19682	P52735	787	SPASCAS S YNFSFL
19683	P52735	791	CASYNFS S FLSPQG
19684	P52735	794	YNFSFL S PQGLSF
19685	P52735	802	QGLSFAS S QGPSAP
19686	P52735	811	PSAPFW S VFTPRV
19687	P52735	847	DVVRIY S RIGGDQ
19688	P52735	869	RIGWFPS T YVEEE
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19690	P52907	85	HGDLGNS R FLDPR
19691	P52907	95	DPRNKIS S FKFDHL
19692	P52907	106	HLRKEAS D PQPEE
19693	P52907	119	ADGGLK S WRESCD
19694	P52907	123	LKSWRES C DALAR
19695	P52907	126	WRESCD S ALRAYV
19696	P52907	137	YVKDHYS N GFCTV
19697	P52907	160	IIACIES H QFQPK
19698	P52907	175	WNGRWR S EWKFTI
19699	P52907	208	GNVQLV S HKDVQD
19700	P52907	215	HKDVQDS L TVSNE
19701	P52907	219	QDSLTV S NEAQTA
19702	P52907	244	EYQTAIS E NYQTM
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19704	P52907	276	DWNKILS Y KIGKE
19705	P52926	12	EGAGQPS T SAQGQ
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19709	P52926	59	KGSKNK S PSKAAQ
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19711	P52926	101	EETEET S SQESAE
19712	P52945	29	GPAPEFS S ASPPAC
19713	P52945	31	APEFSAS P PACLY
19714	P52945	61	GALEQGS P PDISP
19715	P52945	66	GSPPDIS P YEVPP
19716	P52945	124	PFPWMKS T KAHAW
19717	P52945	172	LFNKYIS R PRRVE
19718	P52945	231	QDCAVTS G ELLA
19719	P52945	266	RLPPGLS A SPQPS
19720	P52945	272	SASPQPS S VAPRR
19721	P52945	273	ASPQPSS V APRRP
19722	P53350	49	VLVDPRS R RRRYVR
19723	P53350	71	AKCFEIS D ADTKE
19724	P53350	87	GKIVPKS L LLKPH
19725	P53350	99	HQREKMS M EISIH
19726	P53350	107	EISIHRS L AHQHV
19727	P53350	224	IAPEVLS K KGHSF
19728	P53350	229	LSKKGH S FEVDVW
19729	P53350	236	FEVDVWS I GGCIMY
19730	P53350	254	KPPFET S CLKETY
19731	P53350	280	INPVAAS L IQKML
19732	P53350	307	NDEFFT S GYIPAR
19733	P53350	326	TIPPRFS I APSSL

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19735	P53350	383	MLQQLHSVNASKP
19736	P53350	387	LHSVNAKPSERG
19737	P53350	390	VNASKPSERGLVR
19738	P53350	412	IPIFWVSKWVDYS
19739	P53350	418	SKWVDYSDKYGLG
19740	P53350	431	YLCDNSVGVLFN
19741	P53350	439	GVLFNDSTRLILY
19742	P53350	466	ESYLTSHPNSL
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19744	P53350	487	YFRNYMSEHLLKA
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19746	P53350	526	AIILHLSNGSVQI
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19749	P53350	578	CCKELASRLRYAR
19750	P53350	592	MVDKLLSSRSASN
19751	P53350	593	VDKLLSSRSASNR
19752	P53350	595	KLLSSRSASNRLK
19753	P53355	21	TGEELGSQFAVV
19754	P53355	34	KKCREKSTGLQYA
19755	P53355	51	KKRRTKSRRGVVS
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19757	P53355	57	SSRRGVREDIER
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19759	P53355	230	ETLANVSAVNYEF
19760	P53355	242	FEDEYFSNTSALA
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19765	P53355	606	NCNLDISNKYGR
19766	P53355	652	AEDLARSEQHEHV
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19769	P53355	714	KCGLLRSSFFRRRR
19770	P53355	745	KPTVSVSINNLYP
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19773	P53355	815	FSVWEFSGNPVYF
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19776	P53355	953	HLQEIRSQIVSVC
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19783	P53355	1417	YASSCNSGTSYNS
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19786	P53396	183	KKEILASFISGLF
19787	P53396	186	ILASFISGLNFY
19788	P53396	260	ADLDAKSASLKL
19789	P53396	263	DAKGASLKLTLL
19790	P53396	285	VAGGGASVVYSDT
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19809	P53396	769	ACANQA S ETAVAK
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19812	P53396	886	KRLPKY S CQFIEM
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19815	P53396	926	LVSSL T GLLTIG
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19818	P53667	56	FRCCDCS A LSLHQ
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19823	P53667	154	EQILPD S PGSHLP
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19825	P53667	167	HTVTLV S IPASSH
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19835	P53667	298	PVLRSC S IDRSPG
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19837	P53667	321	RKD LGR S ESLRVV
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19846	P53667	534	EKVDVF S FGIVLC
19847	P53667	637	TYRRGE S GLPAHP
19848	P53674	8	SQAAKA S ASATVA
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19851	P53674	34	PAGTSPSPGTTLA
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19853	P53674	77	GRRAEFSGECSNL
19854	P53674	81	EFSGECSNLADRG
19855	P53674	93	GFDRVRSIIVSAG
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19859	P53674	129	RWNTWSSSYRSDR
19860	P53674	130	WNTWSSSYRSDRL
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19872	P53779	31	DKQVDVS YIAKHY
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19895	P53779	431	ESLPPSS SVNDIS
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19897	P53779	437	SSVNDIS SSMSTDQ
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19899	P53779	440	NDI SSMSTDQTLA
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19901	P53779	451	LASDTDS SLEASA
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19903	P53779	456	DSSLEASAGPLGC
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19912	P53804	1042	VGSGTTSVTSNNE
19913	P53804	1057	TSSEDHSNRNSDS
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19915	P53804	1195	TKVEEISKAGEYV
19916	P53804	1224	VKSXPVSDESSAP
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19918	P53804	1244	KPVSANSPKPACE
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19926	P53804	1643	AVAAEVSVLENWK
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19946	P53999	111	LNPEQWSQLKEQI
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19958	P54105	193	RLEGMLSQSVSSQ
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19960	P54105	197	MLSQSVSSQYNMA
19961	P54105	198	LSQSVSSQYNMAG
19962	P54105	210	GVRTEDSIRDYED
19963	P54198	37	GGQGQDSGKVVIW
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19965	P54198	112	STVFGSSGKLAV

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19967	P54198	191	VGKYIASQADDRS
19968	P54198	211	DWQLETSITKPFD
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19970	P54198	290	KQKNGSSAKPSCP
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19975	P54198	485	FNSIPLSGSLAGT
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19980	P54198	533	ARPAGDSVNKDSM
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19984	P54198	658	LMPVSLSVQSPA
19985	P54198	697	AFTLQVSSDPSMY
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19987	P54198	820	HSILAGSDMTVSQ
19988	P54198	840	IPVMNLSDGKAYC
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20026	P54259	50	DGKA EKS RQTAKK
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20074	P54274	302	SVSDK Q SAVTESS
20075	P54274	307	QSAVTE S SEGTVS
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20123	P54646	274	FKQDLPSYLFPED
20124	P54646	282	LFPEDPSYDANVI
20125	P54646	305	KFECTESEVMSL
20126	P54646	310	ESEVMNSLYSGDP
20127	P54646	313	VMNSLYSGDPQDQ
20128	P54646	344	SEFYLAS SPPSGS
20129	P54646	345	EFYLAS SPPSGSF
20130	P54646	350	SSPPSGSF MDDSA
20131	P54646	355	GSFMDDS AMHI PP
20132	P54646	377	PPLIADS PKARCP
20133	P54646	408	WHLGIRSQSKPYD
20134	P54646	464	YLVDNRSYLLDFK
20135	P54646	481	EVVEQRSGS STPQR
20136	P54646	483	VEQRSGS STPQR
20137	P54646	484	EQRSGS STPQR
20138	P54646	489	SSTPQRCSAAGL
20139	P54646	491	TPQRSCSAAGLHR

20140	P54646	500	GLHRPRS <small>S</small> FDSTT
20141	P54646	501	LHRPRSS <small>S</small> FDSTTA
20142	P54646	509	DSTTAES <small>S</small> HSLSGS
20143	P54646	513	AESHSLSGSLTGS
20144	P54646	523	TGSLTGSTLSSVS
20145	P54646	526	LTGSTLSVSPRL
20146	P54646	527	TGSTLSSVSPRLG
20147	P54646	529	STLSSVS <small>S</small> PRLGSH
20148	P54646	534	VSPRLGS <small>S</small> HTMDFF
20149	P54753	66	SGWEEVSGYDEAM
20150	P54753	87	CNVRESSQNNWLR
20151	P54753	145	SDVASAS <small>S</small> PFWME
20152	P54753	167	APDESFSRLDAGR
20153	P54753	180	VNTKVRSGFGPLSK
20154	P54753	185	RSFGPLSKAGFYL
20155	P54753	233	TGAEPTS <small>S</small> LVIAPG
20156	P54753	308	LPCPPNSRTTSPA
20157	P54753	331	YRADSDSADSACT
20158	P54753	334	DSDSADSACTTVP
20159	P54753	341	ACTTVPSPPRGVI
20160	P54753	413	ERRVHISHLLAHT
20161	P54753	435	NGVSGKS <small>S</small> PLPPRY
20162	P54753	467	LHSSSGS <small>S</small> LTL SW
20163	P54753	468	HSSSGSSLTLSWA
20164	P54753	472	GSSLTLSWAPPER
20165	P54753	503	IASTVTSQMNSVQ
20166	P54753	544	AEFETTSERGSGA
20167	P54753	548	TTSERGSGAQQLQ
20168	P54753	631	AKEIDVSCVKIEE
20169	P54753	704	EGVVTKS <small>S</small> RPVMIL
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20171	P54753	750	AGMKYLSEMNYVH
20172	P54753	775	NLVCKVSDFGLSR
20173	P54753	795	DPTYTSSLGGKIP
20174	P54753	819	RKFTSASDVWSYG
20175	P54753	843	RPYWDMSNQDVIN
20176	P54753	901	LIRNAASLKVIAS
20177	P54753	907	SLKVIASAQSGMS
20178	P54753	913	SAQSGMSQPLLDR
20179	P54753	948	YKESFVSAGFASF
20180	P54753	953	VSAGFASFDLVAQ
20181	P54753	981	HQKKILSSSIQDMR
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20183	P54829	52	AEGLQDSQREMPP
20184	P54829	63	PPPPPPSPPSDPA
20185	P54829	66	PPPSPPSDPAQKP
20186	P54829	79	PPRGAGSHSLTVR
20187	P54829	81	RGAGSHS <small>S</small> LTVRSS
20188	P54829	86	HSLTVRSSLCLFA
20189	P54829	87	SLTVRSSLCLFAA
20190	P54829	106	CGVLWFSGYGHIW
20191	P54829	113	GYGHIWSQNATNL
20192	P54829	121	NATNLVS <small>S</small> LTL LL
20193	P54829	122	ATNLVSSLLTLK
20194	P54829	138	PTAWLDSGTWGVP
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20196	P54829	184	PEDRRQSVSRQPS
20197	P54829	190	SVSRQPSFTYSEW

20198	P54829	194	QPSFTYS E WMEEK
20199	P54829	231	PEADPT S LTVKSM
20200	P54829	236	TSLTVK S MGLQER
20201	P54829	248	RRGSNV S LTLDMC
20202	P54829	273	MSPREE S AREYLL
20203	P54829	280	AREYLL S ASRVLQ
20204	P54829	282	EYLLS A RVLQAE
20205	P54829	337	ILPNPH S RVCLTS
20206	P54829	343	SRVCLT S PDPDDP
20207	P54829	351	DPDDPL S SYINAN
20208	P54829	352	PDDPL S YINANY
20209	P54829	378	TQGPIV S TVADFW
20210	P54829	444	RLISLK S GTEERG
20211	P54829	497	PIIVHCSAGIGRT
20212	P54829	553	FVHHVMSLYEKQL
20213	P55060	35	AEKFLESVEGNQN
20214	P55060	53	LTLLEKS Q DNVIK
20215	P55060	63	VIKVCA S VTFKNY
20216	P55060	102	IVHML S SP_EQIQ
20217	P55060	112	QIQQQL S DAISII
20218	P55060	155	VLRTAHS L FKRYR
20219	P55060	166	YRHEFK S NELWTE
20220	P55060	196	ATIELC S THANDA
20221	P55060	203	THANDAS A LRLIF
20222	P55060	211	LRILFSS L LISK
20223	P55060	221	ISKLFY S LNFDQL
20224	P55060	315	KYDLLVS N AIQFL
20225	P55060	342	DQNTL T SICEKVI
20226	P55060	366	EAFEDNS E EYIRR
20227	P55060	377	RRDLEGS D IDTRR
20228	P55060	406	PVTGIFS G VNSM
20229	P55060	421	EYAKNPS V NWKHK
20230	P55060	439	LVTSLASKAQ T QK
20231	P55060	471	ILPDLK S ANVNEF
20232	P55060	515	NHLQAES I VVHTY
20233	P55060	566	ALTLPG S SENEYI
20234	P55060	579	MKAIMRS F SLLQE
20235	P55060	610	AVSKNPS K PHFNH
20236	P55060	680	HKNDIPS S YMALF
20237	P55060	716	AFLERGS N TIASA
20238	P55060	740	FQQLIAS K ANDHQ
20239	P55060	762	EHMPPE S VDQYRK
20240	P55060	781	FQRLQNS K TTKFI
20241	P55060	789	TTKFIKS F LVFIN
20242	P55060	904	GYQTAF S QLAFAG
20243	P55060	931	KIHLAQS L HKLST
20244	P55060	936	QSLHKL S TACPGR
20245	P55060	945	CPGRVPS M VSTSL
20246	P55072	13	SKGDDL S TAILKQ
20247	P55072	37	AINEDNS V VLSLSQ
20248	P55072	40	EDNSVV S LSQPKM
20249	P55072	42	NSVVSL S QPKMDE
20250	P55072	73	AVCIVL S DDTCSD
20251	P55072	78	LSDDTC S DEKIRM
20252	P55072	101	RLGDVIS S IOPCPD
20253	P55072	171	VVETDPS P YCIVA
20254	P55072	197	REDEEES S LNEVGY
20255	P55072	276	NGPEIMS K LAGES

20256	P55072	282	SKLAGES S ESNLRK
20257	P55072	326	VERRIVS Q LLTLM
20258	P55072	352	ATNRPNS I DPALR
20259	P55072	416	DLAALC S EAALQA
20260	P55072	444	DAEVMNS L AVTMD
20261	P55072	457	DFRWALS Q SNPSA
20262	P55072	459	RWALSQS N PSALR
20263	P55072	462	LSQSNPS S ALRETV
20264	P55072	511	KFGMTPS K GVLFY
20265	P55072	541	CQANFIS I KGPEL
20266	P55072	555	TMWFGE S EANVRE
20267	P55072	581	FFDELD S IAKARG
20268	P55072	652	PLPDEKS R VAILK
20269	P55072	664	KANLRKS P VAKDV
20270	P55072	683	KMTNGFS G ADLTE
20271	P55072	705	IRESIES E IRRER
20272	P55072	748	FARRSVS D NDIRK
20273	P55072	765	AQTLQQS R RGFGSF
20274	P55072	770	QSRGF G SFRFPSG
20275	P55072	775	GSFRFP S GNQGGA
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20277	P55072	787	AGPSQGS G GGGTGG
20278	P55072	794	GGGTGGS V YTEDN
20279	P55211	31	LWDALLS R ELFRP
20280	P55211	48	DIQRAGS G SRRDQ
20281	P55211	50	QRAGSGS R RDQAR
20282	P55211	67	DLETRGS Q ALPLF
20283	P55211	75	ALPLFIS C LEDTG
20284	P55211	87	GQDMLAS F LRTNR
20285	P55211	99	RQAALKS K PTLEN
20286	P55211	133	RPVDIGS G FGGDV
20287	P55211	144	DVGALES L RGNAD
20288	P55211	156	DLAYILS M EP CGH
20289	P55211	175	VNFCRE S GLRTRT
20290	P55211	183	LRTRTGS N IDCEK
20291	P55211	195	KLRRRF S SLHFMV
20292	P55211	196	LRRRF S SLHFMVE
20293	P55211	236	CVVVILS H GQAS
20294	P55211	242	SHGCQAS H LQFPG
20295	P55211	259	TDGCPVS V EKIVN
20296	P55211	271	NIFNGTS C PSLGG
20297	P55211	274	NGTSCPS L GGKPK
20298	P55211	300	HGFEVAST T SPED
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20300	P55211	310	EDESPGS N PEPDA
20301	P55211	333	DQLDAIS S LPTPS
20302	P55211	334	QLDAISS L PTPSD
20303	P55211	339	SSLPTPS D IFVSY
20304	P55211	344	PSDIFVSY S TFPGF
20305	P55211	346	DIFVSY S TFPGFV
20306	P55211	353	TFPGFVS W RDPKS
20307	P55211	359	SWRDPKS G SWYVE
20308	P55211	361	RDPKSGS W YVETL
20309	P55211	377	FEQWAHS E DLQSL
20310	P55211	382	HSEDLQS L LLRVA
20311	P55211	392	RVANAVSVKG I YK
20312	P55212	79	NLTRRF S DLGFEV
20313	P55212	104	LKIHEV S TVSHAD

20314	P55212	107	HEVSTVS HADADC
20315	P55212	120	FVCVFLS HGEGNH
20316	P55212	150	KGDKCHS LVGKPK
20317	P55212	196	TEVDAAS VYTLPA
20318	P55212	211	DFLMCY SVAEGYY
20319	P55212	218	VAEGYY SHRETVN
20320	P55212	226	RET VNGSWYIQDL
20321	P55212	241	MLGKYGS SLEFTE
20322	P55212	242	LGKYGS SLEFTEL
20323	P55212	268	DFCKDPSAIGKKQ
20324	P55212	280	QVPCFAS MLTKKL
20325	P55263	37	NPLLDIS SAVVDKD
20326	P55263	49	DFLDKYS SLKPNDQ
20327	P55263	82	EYHAGGST QNSIK
20328	P55263	86	GGSTQNS IKVAQW
20329	P55263	150	ITGDNRS SLIANLA
20330	P55263	192	GFFLT TVSPESVLK
20331	P55263	195	LTVSP ESVLKVAH
20332	P55263	204	KVAHHAS ENNRF
20333	P55263	215	I FTLNLSAPFISQ
20334	P55263	220	LSAPFIS QFYKES
20335	P55263	226	SQFYKES LMKVMP
20336	P55263	273	ALPKMNS KRQRIV
20337	P55263	294	TIMATE SEVTAF A
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20339	P55263	329	FLSQLVSD KPLTE
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20341	P55268	65	ADR LTASSTCGLN
20342	P55268	80	QPYCIVS HLQDEK
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20344	P55268	165	AMLVER SADFGRT
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20347	P55268	370	LASGNV SGGVC DG
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20352	P55268	773	P L LLIS LSTLIYNG
20353	P55268	840	SHEGALS SLCEKT
20354	P55268	841	HEGALSS SLCEKTS
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20356	P55268	949	CHQDEYS QQIVCH
20357	P55268	977	GHFGDPS RPGGRC
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20359	P55268	1062	CHCDPSS GQCPCL
20360	P55268	1088	NFWNLTS GHGCQP
20361	P55268	1100	PCACHPS RARGPT
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20363	P55268	1298	NANHALS GLERDR
20364	P55268	1338	SIRHAHS QSAAEAE
20365	P55268	1350	ERRANTS ALAVPS
20366	P55268	1359	AVPSPV SNSASAR
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20369	P55268	1565	IAERVRS LADVDA
20370	P55268	1654	GAERAL SAGERAR
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20372	P55273	13	RAGDRLS GAAARG
20373	P55273	53	QVMMFG STAIALE
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20378	P55273	130	SFLAAE SDLHRRD
20379	P55735	11	INTVDT SHEDMIH
20380	P55735	32	TRLATC SDRSVK
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20382	P55735	36	TCSSDR SVKIFDV
20383	P55735	76	YGNILAS CSYDRK
20384	P55735	78	NILASC SYDRKV I
20385	P55735	96	NGTWEK SHEHAGH
20386	P55735	104	EHAGHD SSVNSVC
20387	P55735	105	HAGHD SSVNSVCW
20388	P55735	108	HDSSVNS VCWAPH
20389	P55735	124	LILACG SSDGAIS
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20392	P55735	157	IGCNAV SWAPAVV
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20397	P55735	223	DVAWAPS IGLPTS
20398	P55735	229	SIGLPT STIASCS
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20403	P55735	254	ASSNTWS PKLLHK
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20406	P55735	280	ANILAV SGGDNKV
20407	P55735	292	VTLWKE SDVGQWV
20408	P55735	301	GQWVC ISDVNKQ
20409	P55735	309	VNKGQGS VSASVT
20410	P55735	311	KGQGSVS ASVTEG
20411	P55735	313	QGSVSA SVTEGQQ
20412	P55769	29	LDLVQQ SCNYKQL
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20415	P55769	96	GRACGV SRPVIAC
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20418	P55769	118	LKQQIQ SIQQSIE
20419	P55795	21	VRGLPW SCSADEV
20420	P55795	23	GLPWSC SCADEVMR
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20422	P55795	63	AFVELE SEEVKL
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20427	P55795	161	AFVQFAS QEIAEK
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20433	P55795	281	RYGDGGSSFQSTT
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20438	P55795	368	NSTAGTSGGAYDH
20439	P55795	375	GGAYDHSYVELFL
20440	P55795	383	VELFLNSTAGASG
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20443	P55795	403	MGGMGLSNQSSYG
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20458	P55884	276	DKYMTISDEWDIP
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20463	P55884	392	RYLVTFSPLMDTQ
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20469	P55884	473	IKDFSWSPGNII
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20472	P55884	617	ANTIFWSPQGQFV
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20474	P55884	655	AEHYMASDVEWDP
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20478	P55884	728	KDLKKYSKIFEQK
20479	P55884	738	EQKDRLSQSKASK
20480	P55884	740	KDRQLSQSKASKEL
20481	P55884	743	LSQSKASKEVER
20482	P55884	789	DTDELDNSNVDDWE
20483	P56537	31	LVAIGGSENFYSV
20484	P56537	36	GSENFYSVFEGEL
20485	P56537	43	VFEGELS DTIPVV
20486	P56537	52	IPVVHASIAGCRI
20487	P56537	87	LQHIRNSLPDTVQ

20488	P56537	102	RVEERLSALGNVT
20489	P56537	150	DQVLVGSYCVFSN
20490	P56537	155	GSYCVFSNQGGLV
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20492	P56537	212	CGLDTTSTELSVV
20493	P56537	216	TTSTELSVVESVF
20494	P56537	220	ELSVVESVFKLNE
20495	P56537	230	LNEAQPSTIATSM
20496	P56817	32	IRLPLRSGLGGAP
20497	P56817	59	EPGRRGSFVEMVD
20498	P56817	71	DNLRGKSGQGYVV
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20509	P56817	212	HVPNLFSLQLCGA
20510	P56817	225	GFLPNQSSEVLASV
20511	P56817	230	QSEVLASVGGSMI
20512	P56817	234	LASVGGSMIIGGI
20513	P56817	243	IGGIDHSLYTGSL
20514	P56817	248	HSLYTGSLLWYTPI
20515	P56817	286	EYNYDKSIVDSGT
20516	P56817	290	DKSIVD\$GTTNLR
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20518	P56817	313	KSIKAASSTEKF
20519	P56817	314	SIKAASSTEKFPD
20520	P56817	345	NIFPVISLYLMGE
20521	P56817	356	GEVTNQSFRITIL
20522	P56817	376	VEDVATSQDDCYK
20523	P56817	386	CYKFAISQSSTGT
20524	P56817	388	KFAISQSSTGTVM
20525	P56817	389	FAISQSSSTGTVMG
20526	P56817	418	RIGFAVSACHVHD
20527	P56817	453	IPQTDESSTLMTIA
20528	P56945	18	YDNVAESPDELSF
20529	P56945	23	ESPDELSFRKGDI
20530	P56945	113	YQPQPDSVYLVPT
20531	P56945	121	YLVPTPSKAQQGL
20532	P56945	159	PHHPFPSPATDLY
20533	P56945	184	IYQVPPSAGMGHD
20534	P56945	202	PSMDTRSWEGTKP
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20537	P56945	355	AAPPDPSPPAEDV
20538	P56945	430	GKRLSASSTGSTR
20539	P56945	431	KRLSASSTGSTRS
20540	P56945	434	SASSTGSTRSSQS
20541	P56945	438	TGSTRSSQSASSL
20542	P56945	440	STRSSQSASSLEV
20543	P56945	471	RLQQGV\$ATVAHL
20544	P56945	489	SAGATG\$WRSPSE
20545	P56945	492	ATGSWRSPSEPQE

20546	P56945	494	GSWRSPSEPQEPL
20547	P56945	513	AVAAVQS A VHELL
20548	P56945	533	GNAAHTS S DRALHA
20549	P56945	583	DRLVAC S RAVPED
20550	P56945	630	NPTDKT S SIQSRP
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20556	P56945	810	KAADVRS Q VTHYS
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20558	P56945	841	LQYPSP S AAQDMV
20559	P57059	66	KTRLDSS N LEKIY
20560	P57059	117	MFDYLT S NGHLSE
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20563	P57059	181	KSGEPL S TWCOSP
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20565	P57059	221	YVLVCGS L PDFGP
20566	P57059	248	RIPFFMS Q DCESL
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20569	P57059	437	PRPVSP S SLDDTA
20570	P57059	466	TQESLP S STGRRH
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20574	P57059	494	CIVVSP S TTASPA
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20581	P57059	545	ASPFLGS Q SATPV
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20585	P57059	644	HGGAAGS R EGW S
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20719	P60866	103	IDLHSPSEIVKQI
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20922	P62258	213	DTLSEESYKDSTL
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20985	P62745	91	SVDSPDS L ENIPE
20986	P62745	123	NKKDLRS D EHVRT
20987	P62745	160	YDYLECS A KTKEG
20988	P62745	185	LQKRYGS Q NGCIN
20989	P62753	53	GYVVRIS G GNDKQ
20990	P62753	78	RVRLLLS K GHSCY
20991	P62753	82	LLSKGH S CYRP RR
20992	P62753	96	GERKRKS V RGCIV
20993	P62753	107	IVDANL S VNLVI
20994	P62753	139	LGPKRAS R IRKLF
20995	P62753	148	RKLFNLS K EDDVR
20996	P62820	20	LLLIGDS G VGKSC
20997	P62820	25	DSVGVK S CLLRF
20998	P62820	39	DDTYTES Y ISTIG
20999	P62820	42	YTESYI S TIGVDF
21000	P62820	78	RFRTIT S YYRGA
21001	P62820	79	FRTIT S YYRGAH
21002	P62820	98	DVTDQES F NNVKQ
21003	P62820	114	EIDRYAS E ENVNKL
21004	P62820	145	AKEFADS L GIPFL
21005	P62820	154	IPFLET S AKNATN
21006	P62820	164	ATNVEQS F MFTA A
21007	P62820	188	AGGAEK S NVKIQS
21008	P62820	194	SNVKIQ S TPVKQS
21009	P62826	94	IMFDVT S RVTYKN

21010	P62826	135	RKVKA K SIVFHRK
21011	P62826	150	LQYYDI S AKSNYN
21012	P62826	153	YDISAK S NYNFEK
21013	P62847	78	FGMIYD S LDYAKK
21014	P62847	103	YEKKKT S RKQRKE
21015	P62873	31	CADATL S QITNNI
21016	P62873	67	MHWGTD S RLLVSA
21017	P62873	72	DSRLLV S ASQDGK
21018	P62873	74	RLLVSASQDGKLI
21019	P62873	84	KLIIWDSYTTNKV
21020	P62873	97	HAIPLRS S WVMTCA
21021	P62873	98	AIPLRSSWVMTCA
21022	P62873	108	TCAYAPS G NYVAC
21023	P62873	122	GLDNIC S IYNLKT
21024	P62873	136	EGNVRV S RELAGH
21025	P62873	147	GHTGYL S CCRFLD
21026	P62873	160	DNQIVT S SGDTTC
21027	P62873	161	NQIVTSSGDTTCA
21028	P62873	189	HTGDVMSL S LAPD
21029	P62873	191	GDVMSL S LAPDTR
21030	P62873	201	DTRLFV S GACDAS
21031	P62873	207	SGACDASAKLWDV
21032	P62873	227	TFTGH E SINAIC
21033	P62873	245	NAFATG S DDATCR
21034	P62873	265	QELMTY S HDNIIC
21035	P62873	275	IICGIT S VFSFSKS
21036	P62873	277	CGITS V FSKSGR
21037	P62873	279	ITSVSFS K SGRLL
21038	P62873	281	SVSFS K SGRLLA
21039	P62873	316	GHDNRV S CLGVTD
21040	P62873	331	MAVATG S WDSFLK
21041	P62877	11	MDVDTP S GTNSGA
21042	P62877	15	TPSGTN S GAGKKR
21043	P62877	62	CQANQASATSEEC
21044	P62877	65	NQASAT E ECTVA
21045	P62877	85	FHFHC I SRWLKTR
21046	P62913	29	NICVGE S GDRLTR
21047	P62913	51	GQTPVFS K ARYTV
21048	P62913	59	ARYTV R SGFIRRN
21049	P62913	100	LRKNNF S DTGNFG
21050	P62913	122	GIKYD P SIGIYGL
21051	P62913	140	LGRPGF S IADKKR
21052	P62913	158	GAKHRISKEEAMR
21053	P62917	14	QRKGAG S VFRAHV
21054	P62917	130	GKLARAS G NYATV
21055	P62917	138	NYATVI S HNPETK
21056	P62917	152	TRVKLP S GSKKVI
21057	P62917	154	VKLPSG S KKVISS
21058	P62917	159	GSKKVI S SANRAV
21059	P62917	160	SKKVI S ANRAVV
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21062	P62937	40	ENFRAL S TGEKG
21063	P62937	51	GFGYKG S CFHRII
21064	P62937	77	NGTGGK S IYGEKF
21065	P62937	99	TGPGIL S MANAGP
21066	P62937	110	GPNTNG S QFFICT
21067	P62937	147	AMERFG S RNGKTS

21068	P62937	153	SRNGKTSKKITIA
21069	P62979	20	TLEVEPSDTIENV
21070	P62979	57	EDGRTLSDYNIQK
21071	P62979	84	KKRKKKSYTTPKK
21072	P62979	115	DENGKISRLRREC
21073	P62979	123	LRRECP\$DECAG
21074	P62979	134	AGVFMASHFDRHY
21075	P62995	16	GERESRSASRSGS
21076	P62995	18	RESRSASRSGSAH
21077	P62995	20	SRSASRSGSAHGS
21078	P62995	22	SASRSGSAHGSGK
21079	P62995	26	SGSAHGSGKSARH
21080	P62995	37	RHTPARSRSKEDS
21081	P62995	39	TPARSRSKEDSRR
21082	P62995	43	SRSKEDSRRSRSK
21083	P62995	46	KEDSRRSRSKSRSS
21084	P62995	48	DSRRRSRSKSRSSRS
21085	P62995	50	RRSRSKSRSESSES
21086	P62995	52	SRSKSRSRSESRSS
21087	P62995	56	SRSRSE\$RSRSRR
21088	P62995	63	RSRSRSSRRHYT
21089	P62995	64	SRSRRSSRRHYTR
21090	P62995	71	RRHYTRSRSRSRS
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21092	P62995	83	SHRRSR\$RSYSRD
21093	P62995	85	RRSRSRSSYSRDYR
21094	P62995	87	SRSRSYSRDYRRR
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21096	P62995	97	RRRHSHSHSPMST
21097	P62995	99	RHSHSHSPMSTR
21098	P62995	126	LGVFGLSLYTTER
21099	P62995	148	GPIADVSIVYDQQ
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21102	P62995	237	DDRDYY\$RSYRGG
21103	P62995	266	YRRRSPSPYYSRG
21104	P62995	270	SPSPYY\$RGGYRS
21105	P62995	276	SRGGYRSRSRSRS
21106	P62995	278	GGYRSRSRSRSYS
21107	P62995	280	YRSRSRSRSYSPR
21108	P63010	49	VGKDVSSLFPDVV
21109	P63010	90	AIMAVNSFVKDCE
21110	P63010	164	DQGFLDSLRDLIA
21111	P63010	172	RDLIADSNPVMVA
21112	P63010	185	NAVAAL\$EISESH
21113	P63010	188	AALSEI\$ESHPN
21114	P63010	190	LSEISE\$HPNSNL
21115	P63010	194	SESHPNSNLLDLN
21116	P63010	239	DDREAQSICERT
21117	P63010	249	RVTPRLSHANS
21118	P63010	274	ELLPKDS\$DYYNML
21119	P63010	347	IMIRLASQANIAQ
21120	P63010	387	AIKVEQ\$AERC
21121	P63010	427	YPNKYESIIATLC
21122	P63010	438	LCENLDSLDEPDA
21123	P63010	477	EGFHDES\$TQVQLT
21124	P63010	497	LFLKKPSETQELV
21125	P63010	514	SLATQDS\$DNPDLR

21126	P63010	531	IYWRLLSSTDPVTA
21127	P63010	543	AKEVVLSEKPLIS
21128	P63010	569	LICHIGSLASVYH
21129	P63010	605	STDAGDSPVGTTT
21130	P63010	623	QPQVIPSQGDLLG
21131	P63010	646	VNVPQVSQMGMGA
21132	P63010	647	NVPQVSSQMGMAV
21133	P63010	672	QSFIPSSVPATFA
21134	P63010	680	PATFAPSPTPAVV
21135	P63010	687	PTPAVVSGLNDL
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21137	P63010	726	AKGLEISGTFTHR
21138	P63010	781	PLMPNQSIDVSLP
21139	P63010	865	LNADTVSSKLQNN
21140	P63010	915	NPNYTSLKCRAP
21141	P63165	31	KVIGQDSSEIHFK
21142	P63165	32	VIGQDSSEIHFKV
21143	P63165	50	LKKLKESYCQRQG
21144	P63165	61	QGVPMNSLRFLFE
21145	P63167	14	IKNADMSEEMQD
21146	P63167	21	EEMQQDSVECATQ
21147	P63167	64	VGRNFGSYVTHER
21148	P63218	29	LNRVKVSQAAADL
21149	P63218	53	PLLTGVSSSTNPFR
21150	P63218	54	LLTGVSSTNPFR
21151	P63218	55	LTGVSSSTNPFRP
21152	P63220	18	YVPRKCSASNRII
21153	P63220	20	PRKCSASNRIIIGA
21154	P63220	31	GAKDHASIQMNVA
21155	P63220	65	IRRMGESDDSIILR
21156	P63220	68	MGESDDSILRLAK
21157	P63241	15	TGDAGASATFPMQ
21158	P63241	23	TFPMQCSALRKNG
21159	P63241	44	CKIVEMSSTSKTGK
21160	P63241	46	IVEMSTSCTGKHG
21161	P63241	75	YEDICPSTHNMDV
21162	P63241	100	IQDGYLSSLQDSG
21163	P63241	105	LSLLQDSGEVRED
21164	P63241	139	ILITVLSAMTEEA
21165	P63244	33	FPDMILSASRDKT
21166	P63244	35	DMILSASRDKTII
21167	P63244	63	RALRGHSHFVSDV
21168	P63244	67	GHSHFVSDVVISS
21169	P63244	72	VSDVVISSDGQFA
21170	P63244	73	SDVVISSDGQFAL
21171	P63244	80	DGQFALSWSWDGT
21172	P63244	82	QFALSGSWDGTLR
21173	P63244	110	HTKDVLSSVAFSSD
21174	P63244	114	VLSVAFSSDNRQI
21175	P63244	115	LSVAFSSDNRQIV
21176	P63244	122	DNRQIVSGSRDKT
21177	P63244	124	RQIVSGSRDKTIK
21178	P63244	146	YTVQDESHEWWS
21179	P63244	148	VQDESHSEWVSCV
21180	P63244	152	SHSEWVSCVRFSP
21181	P63244	157	VSCVRFSPNNSNP
21182	P63244	160	VRFSPNNSNPIIV
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21185	P63244	201	LNTVTVS S PDGSLC
21186	P63244	205	TVSPDG S LCASGG
21187	P63244	209	DGS I CASGGKDQ
21188	P63244	242	INALCFS P NRYWL
21189	P63244	255	CAATGPS I KIWDL
21190	P63244	276	LKQEVI S TSSKAE
21191	P63244	278	QEVI S SKAEPP
21192	P63244	279	EVISTSS K AEPPO
21193	P63244	288	EPPQCTS L AWSAD
21194	P63244	292	CTSLAWS A DQTL
21195	P63252	10	VRTNRY S IVSSEE
21196	P63252	13	NRYSIVS S SEEDGM
21197	P63252	14	RY S IVS S SEEDGMK
21198	P63252	35	GFGNGKS K VHTRQ
21199	P63252	45	TRQQCR S RFVKKD
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21201	P63252	116	HGDLDAS K EGKAC
21202	P63252	124	EGKACV S EVNSFT
21203	P63252	128	CVSEVN S FTAFL
21204	P63252	136	TAAFLFS I ETQTT
21205	P63252	165	FMVVFQS I VGCI
21206	P63252	196	NETLVFS H NAVIA
21207	P63252	220	VGNLRKS H LVEAH
21208	P63252	234	RAQLLK S RITSEG
21209	P63252	238	LKS R IT S EGEYIP
21210	P63252	256	INVGFDS G IDRIF
21211	P63252	265	DRIFLV S PITIVH
21212	P63252	277	HEIDEDS PL YDLS
21213	P63252	283	SPLYDLS K QDIDN
21214	P63252	313	MTTQCR S SYLANE
21215	P63252	314	TTQCR S SYLANEI
21216	P63252	342	YYKV D YS R FHKT Y
21217	P63252	357	PNTPLCS A RD L A E
21218	P63252	369	EKKYIL S NANSFC
21219	P63252	373	I L SNANS F CYENE
21220	P63252	384	NEVALTS K EEEDDS
21221	P63252	390	SKEEDDS E NGVPE
21222	P63252	397	ENGVPE S TSTDTP
21223	P63252	399	GVPEST S TDT PP D
21224	P63252	413	DLHNQAS V PLEPR
21225	P63279	70	FKDDYPS S PPKCK
21226	P63279	89	HPNVYPS G TVCLS
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21228	P63316	37	AEDGCIS T KELGK
21229	P63316	69	EVDEDGS G TVDFD
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21231	P63316	93	DDS K GK S EEELSD
21232	P63316	98	KSEEELS D LFRMF
21233	P67775	24	NECKQL S ESQVK S
21234	P67775	26	CKQLSES Q VKSLC
21235	P67775	30	SESQVK S LCEKAK
21236	P67775	43	EILTKE S NVQEV R
21237	P67775	75	FRIGGKS P D T NYL
21238	P67775	93	VDRGYYS V ETVTL
21239	P67775	120	LRGNHES R QITQV
21240	P67775	171	CLHGLLSPS I DTLDH
21241	P67775	173	HGGLSPS I DTLDH

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21243	P67775	212	RGGWGISPRGAGY
21244	P67775	225	TFGQDISETFNHA
21245	P67775	238	NGLTLVSRAHQLV
21246	P67775	261	NVVTIFsapNYCY
21247	P67775	285	DDTLKYSFLQFDP
21248	P67809	21	PAAPALSAADTKP
21249	P67809	32	KPGTTGSAGSGG
21250	P67809	36	TGSGAGSGGPGL
21251	P67809	44	GPGGLTSAAPAGG
21252	P67809	136	GVPVQGSKYAADR
21253	P67809	209	GRRPQYSNPPVQG
21254	P67809	313	DPPAENS SAPEAE
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21258	P67870	125	MLPIGLS DIPGEA
21259	P67870	148	DVYTPKS SRHHHT
21260	P67870	149	VYTPKSS RHHHTD
21261	P67870	205	LQLQAA\$NFKSPV
21262	P68032	16	LVCDNGS GLVKAG
21263	P68032	35	PRAVFPS IVGRPR
21264	P68032	54	GMGQKDS YVGDEA
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21266	P68032	143	AIQAVL\$LYASGR
21267	P68032	147	VLSLYAS GRTTGI
21268	P68032	157	TGIVLDS GDGVTH
21269	P68032	201	LTERGYSFVTTAE
21270	P68032	234	EMATAA\$ SSSLEK
21271	P68032	235	MATAASS\$ SLEKS
21272	P68032	236	ATAASS\$ SLEKSY
21273	P68032	237	TAASS\$ SLEKSYE
21274	P68032	241	SSSLEKS YELPDG
21275	P68032	267	ETLFQPS FIGMES
21276	P68032	273	SFIGMES AGIHET
21277	P68032	283	HETTYNS IMKCDI
21278	P68032	302	YANNVLS GGTTMY
21279	P68032	325	ITALAPS TMKIKI
21280	P68032	340	PPERKYS Vwiggs
21281	P68032	346	SVWIGGS ILASLS
21282	P68032	350	GGSILAS LSTFQQ
21283	P68032	352	SILASL\$ STFQQMW
21284	P68032	360	FQQMWIS KQEYDE
21285	P68104	18	VIGHVDS GKSTTT
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21287	P68104	53	AEMGKG\$ FKYAWV
21288	P68104	76	GITIDIS LWFET
21289	P68104	83	LWFET\$ KYYVTI
21290	P68104	107	NMITGTS QADCAV
21291	P68104	128	EFEAGIS KNGQTR
21292	P68104	157	GVNKMD\$ TEPPYS
21293	P68104	163	STEPPYS QKRYEE
21294	P68104	175	EIVKEV\$ TYIKKI
21295	P68104	194	VAFVPI\$ GWNGDN
21296	P68104	205	DNMLEPS ANMPWF
21297	P68104	224	RKDGNAS GTTLE
21298	P68104	291	VTTEVK\$ VEMHHE
21299	P68104	316	FNVKNV\$ VKDVRR

21300	P68104	329	GNVAGD S KNDPPM
21301	P68104	354	NHPGQ I SAGYAPV
21302	P68104	383	EKIDRR S GKKLED
21303	P68104	396	GPKFLK S GDAAIV
21304	P68104	414	KPMCVE S FSDYPP
21305	P68104	416	MCVESF S DYPPLG
21306	P68104	454	AGKVTK S AQKAQK
21307	P68363	38	PDGQMP S DKTIGG
21308	P68363	54	SFNTFF S ETGAGK
21309	P68363	140	GFLVFH S FGGGTG
21310	P68363	147	FGGGTG S GFTSLL
21311	P68363	151	TGSGFT S LLMERL
21312	P68363	158	LLMERL S VDYGKK
21313	P68363	165	VDYGKK S KLEFSI
21314	P68363	170	KSKLEF S IYPAPQ
21315	P68363	178	YPAPQV S TAVVEP
21316	P68363	187	VVEPYN S ILTTHT
21317	P68363	198	HTTLEH S DCAFMV
21318	P68363	236	LISQIV S SITASL
21319	P68363	237	ISQIV S SITASLR
21320	P68363	241	VSSITASLRFDGA
21321	P68363	277	TYAPVI S AEKAYH
21322	P68363	287	AYHEQL S VAEITN
21323	P68363	340	TIKTKR S IQFVDW
21324	P68363	379	RAVCML S NTTAIA
21325	P68363	419	MEEGEF S EARDEM
21326	P68400	28	EYWDYE S HVVEWG
21327	P68400	51	LGRGKY S EVFEAI
21328	P68400	106	IVKDPV S RTPALV
21329	P68400	149	ALDYCH S MGIMHR
21330	P68400	194	YNVRVAS S RYFKGP
21331	P68400	212	YQMYD S LDMWSL
21332	P68400	217	YSLDMW S LGCMLA
21333	P68400	224	LGCMLAS M IFRKE
21334	P68400	277	DILGRHS R KRWER
21335	P68400	287	WERFVH S ENQHLV
21336	P68400	294	ENQHLV S PEALDF
21337	P68400	311	LRYDHQS R LTARE
21338	P68400	336	DQARMGS S SSMPGG
21339	P68400	337	QARMGS S SSMPGGS
21340	P68400	338	ARMGSS S SSMPGGST
21341	P68400	343	SSMPGG S TPVSSA
21342	P68400	347	GGSTPV S SANMMS
21343	P68400	348	GSTPV S SANMMMSG
21344	P68400	353	SSANMMS G ISSVP
21345	P68400	356	NMMMSG I SVPPTS
21346	P68400	357	MMSG I SSVPTPS
21347	P68871	10	LTPEEK S AVTALW
21348	P68871	45	TQRFFE S FGDLST
21349	P68871	50	ESFGDL S TPDAVM
21350	P68871	73	KVLGAF S DGLAHL
21351	P68871	90	GTFATL S ELHCDK
21352	P78344	14	GGASRFS S ASSGGGG
21353	P78344	16	ASRFS S ASSGGGGS
21354	P78344	17	SRFS S ASSGGGSR
21355	P78344	62	TRRDDNS A NNSA
21356	P78344	107	LNVGV E SKLILKG
21357	P78344	129	LEEPKY S SLYAQL

21358	P78344	130	EEPKYSSLYAQLC
21359	P78344	160	QPGQKQSSTTFRRL
21360	P78344	272	DHERAKSLMDQYF
21361	P78344	287	MCSLMLSKELPAR
21362	P78344	348	MAQGMRSDFLEG
21363	P78344	403	TMGRHRSNQLFNG
21364	P78344	432	GGKFMKSQGLSQL
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21366	P78344	448	QSQGLLSQLQGQS
21367	P78344	462	DMPPRFSKKGQLN
21368	P78344	473	LNADEISLRPAQS
21369	P78344	479	SLRPAQSFLMNKN
21370	P78344	500	ITMIPPSAQPPRT
21371	P78344	540	SKKPPPSKEELLK
21372	P78344	583	FLPEMILSKVIILS
21373	P78344	589	SKVIILSLDRSDE
21374	P78344	593	ILSLDRSDEDKEK
21375	P78344	601	EDKEKASSLISLL
21376	P78344	602	DKEKASSLISLLK
21377	P78344	641	DIPLVKSYLAQFA
21378	P78344	653	AARAIISELVYSIS
21379	P78344	667	LAQPLESGTHFPL
21380	P78344	697	TELFQQSKVNMQK
21381	P78344	781	SFLQYISSEVNPP
21382	P78344	788	SEVNPPSDETDS
21383	P78344	793	PSDETDSSSAPSK
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21385	P78346	13	LDLRAGSDLKALR
21386	P78346	31	AAHLGYSVVAINH
21387	P78346	55	EKPVAVENTTLE
21388	P78346	68	PIVQGKSRPIKIL
21389	P78346	82	RLTIIVSDPSHCN
21390	P78346	85	IIVSDPSHCNVLR
21391	P78346	94	NVLRATSSRARLY
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21394	P78346	163	SPAIKDS TMRRYT
21395	P78346	171	MRRYTIS SALNLM
21396	P78346	172	RRTISSLNLMO
21397	P78346	188	GKNCVIISSAAERP
21398	P78346	189	KNVISSI SAAERPL
21399	P78346	213	GLLFGLSES DAKAAV
21400	P78346	215	LFGLSES DAKAAV
21401	P78346	222	DAKAAVS TNCRAA
21402	P78346	243	TAFGIIISTVKKPR
21403	P78346	251	VKKPRPSEGDED
21404	P78347	17	VEDEESSES RMVV
21405	P78347	28	VVTFLMSALES MC
21406	P78347	32	LMSALES MCKELA
21407	P78347	40	CKELAKSKAEVAC
21408	P78347	181	ENKAGISFI IKRP
21409	P78347	228	TEPTEDSGISLEM
21410	P78347	258	NIQAGPSETDDDVD
21411	P78347	280	QGSHHSSEGNEGT
21412	P78347	304	HVPSETSEDPEVE
21413	P78347	319	I EDDDYSPPSKRP
21414	P78347	453	QLDKPASGVKEEW
21415	P78347	484	FAEALGSSTEAKAV

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21417	P78347	547	PELLTHSSTTEVTQ
21418	P78347	602	PYPVFESENPEFLY
21419	P78347	636	ERIVRGSNKIKFV
21420	P78347	651	KPELVISSYLPPGM
21421	P78347	677	RPRSPGSNSKVPEIE
21422	P78347	679	RSPGSNSKVPEIE
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21424	P78347	710	PTQTNGSNVPFKP
21425	P78347	722	PRGREFSFEAWNA
21426	P78347	764	PFALFESFPEDFY
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21430	P78347	877	QVNDLFS RKFGEA
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21436	P78348	23	SIQAFASS STLHG
21437	P78348	24	IQAFASS STLHGL
21438	P78348	25	QAFASS STLHGLA
21439	P78348	35	GLAHIFS YERLSL
21440	P78348	40	FSYERL S LKRALW
21441	P78348	53	ALCFLGS LAVLLC
21442	P78348	83	LDEVAAS QLT FPA
21443	P78348	101	LNEFRFS QVSKND
21444	P78348	104	FRFSQVS KNDLYH
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21447	P78348	180	FRGEVCS AEDFKV
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21455	P78348	383	SMVKIPS KASAKY
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21457	P78348	397	AKKFNKSE QYIGE
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21815	Q00341	1247	APDMSS S EEFPS
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21847	Q00536	312	GLARAKS\$IPTKTY
21848	Q00536	319	IPTKTY\$NEVVTL
21849	Q00536	336	PDILLGS\$TDYSTQ
21850	Q00536	340	LGSTDYS\$TQIDMW
21851	Q00536	365	RPLFPGS\$TVEEQL
21852	Q00536	391	TWPGILS\$NEEFKT
21853	Q00536	410	RAEALLS\$HAPRLD
21854	Q00536	417	HAPRLDS\$DGADLL
21855	Q00536	436	EGRNRIS\$AEDAMK
21856	Q00536	448	KHPFFLS\$LGERIH
21857	Q00536	461	KLPDTTS\$IFALKE
21858	Q00536	475	QLQKEAS\$LRSSSM
21859	Q00536	478	KEASLRS\$SSMPDS
21860	Q00536	479	EASLRSS\$MPDSG
21861	Q00536	480	ASLRSS\$MPDSGR
21862	Q00536	484	SSSMPDS\$GRPAFR
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21864	Q00610	70	RPISADS\$AIMNPA
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21866	Q00610	131	NAVYHWS\$MEGESQ
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21868	Q00610	147	MFDRHSS\$LAGCQI
21869	Q00610	185	GAMOLYS\$VDRKVS
21870	Q00610	299	IYMNRI\$GETIFV
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21875	Q00610	687	ICVQVAS\$KYHEQL
21876	Q00610	707	LFESFKS\$FEGLFY
21877	Q00610	717	LFYFLGS\$IVNFSQ
21878	Q00610	810	VQKVNP\$RLPVVI
21879	Q00610	825	LLDVDCS\$EDVIKN

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21881	Q00610	938	NVCNENS L FKSLS
21882	Q00610	942	ENSLFKS L SRYLV
21883	Q00610	944	SLFKS L SRYLVRR
21884	Q00610	958	DPELWG S VILLESN
21885	Q00610	963	GSQLLES N PYRRP
21886	Q00610	1016	KIVLDNSVFSEHR
21887	Q00610	1080	KFDVNTS A VQVLI
21888	Q00610	1135	IKADDPS S YMEVV
21889	Q00610	1136	KADDPS S YMEVVQ
21890	Q00610	1167	RKKARES S YTEL
21891	Q00610	1222	LLYNNVS N FGR L A
21892	Q00610	1249	GARKANS T RTWKE
21893	Q00610	1462	QNHNNKSVNESLN
21894	Q00610	1544	MQYASESKDT E LA
21895	Q00610	1618	KLDASES L RKEEE
21896	Q00613	13	PGAAGPS N VPAFL
21897	Q00613	43	WSPSGNSFHVFDQ
21898	Q00613	68	KHNNMASFVRQLN
21899	Q00613	123	RKVTSV S TLKSED
21900	Q00613	127	SVSTLK S EDIKIR
21901	Q00613	136	IKIRQDS V TKLLT
21902	Q00613	156	KQEcmds K LAMK
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21907	Q00613	261	PDAVASSGPIISD
21908	Q00613	266	SSGPIISDIT E LA
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21910	Q00613	283	MASPGGSIDERPL
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21912	Q00613	320	SPGRPSSVDTLLS
21913	Q00613	333	PTALIDS I LRESE
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21915	Q00613	375	TPEKCLS V ACLDK
21916	Q00613	393	HLDAMDS N LDNLQ
21917	Q00613	412	GFSVDT S ALLDLF
21918	Q00613	428	VTVPDMSLPDLD S
21919	Q00613	434	SLPDLDSSLASIQ
21920	Q00613	438	LDSSLAS I QUELLS
21921	Q00613	457	PPEAENS S PD S GK
21922	Q00613	461	ENSSPD S GKQLVH
21923	Q00613	480	FLLDPGS V DTGSN
21924	Q00613	498	FELGE G S Y FSEG D
21925	Q00613	501	GEGSYF S EGDGFA
21926	Q00613	513	AEDPTIS L TGSE
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21928	Q00653	69	GGLPGAS S EKGRK
21929	Q00653	70	GLPGAS S EKGRKT
21930	Q00653	99	VDLVTHSDPPRAH
21931	Q00653	108	PRAHAHS L VGKQC
21932	Q00653	123	LGICAV S VGPKDM
21933	Q00653	188	KKVMDLS I VR L RF
21934	Q00653	201	SAFLRAS D GSFSL
21935	Q00653	214	PLKPVISQPIHDS
21936	Q00653	222	PIHDSKS P GASNL
21937	Q00653	226	SKSPGA S NLKISR

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21939	Q00653	320	GGDVSD S KQFTYY
21940	Q00653	381	SLGFFPS S LAYSP
21941	Q00653	386	PSSLAYS S PYQSGA
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21943	Q00653	424	EEAAEP S APSRTP
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21945	Q00653	541	VITGQT S VVSFLL
21946	Q00653	562	LDRHGD S AMHLAL
21947	Q00653	584	LRALLQS G APAVP
21948	Q00653	612	LAVRARS S ECLDL
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21959	Q00839	59	MEPGNGS L DLGGD
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21962	Q00839	118	AAGAAD S GPMEEE
21963	Q00839	128	EEEEAA S EDENGD
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22000	Q00987	190	HKSDSISLSFDES
22001	Q00987	196	SLSFDES LALCVI
22002	Q00987	211	IICCRSSSSESTG
22003	Q00987	213	CERSSSSESTGTP
22004	Q00987	215	RSSSSES TGTPSN
22005	Q00987	229	DLDAGVSEHSGDW
22006	Q00987	256	EVESDLSEDYSL
22007	Q00987	269	EEGQELS DEDDEV
22008	Q00987	286	VYQAGES DTDSFE
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22015	Q00987	388	ITQASQS QESEDY
22016	Q00987	398	EDYSQPST SSSII
22017	Q00987	400	YSQPST SSSII YS
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22021	Q00987	428	KEESVES SLPLNA
22022	Q01081	19	KDKVNCS FYFKIG
22023	Q01081	34	RHGDRCS RLHNKP
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22025	Q01081	58	YRNPNQS SQSADG
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22030	Q01081	178	MHLKPI SREL RRE
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22036	Q01081	231	ERDRRRS RDRERS
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22038	Q01094	31	LRLLDSS QIVII S
22039	Q01094	37	SQIVII SAAQDAS
22040	Q01094	43	SAAQDAS APPAPT
22041	Q01094	77	APRPTPS APRPAL
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22045	Q01094	144	RFLELLS HSADGV
22046	Q01094	146	LELLSHS ADGVVD
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22048	Q01094	193	HIQWLGS HTTVGV
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22104	Q01469	58	LTIKTE S TLKTTQ
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22116	Q01518	188	WVKAYLSIWTELQ
22117	Q01518	222	ELSGLPSPGPSAGS
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22143	Q01804	208	SDSEDDSKSKTA
22144	Q01804	238	LKNNGNSTSLPLS
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22146	Q01804	277	QQKRDYSIAAGLQ
22147	Q01804	326	LGKKHTSKNLKAP
22148	Q01804	393	VRQHAFSSHSSGS
22149	Q01804	397	AFSSHSSGSQSQK
22150	Q01804	475	AFPALSSSSVNQSQ
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22154	Q01804	494	PCVQRKSSHVGDR
22155	Q01804	495	CVQRKSSHVGDRK
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22157	Q01804	617	APIPVLSVTQTLT
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22171	Q01804	1080	KGQPSRSRDEGYQ
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22173	Q01826	17	KEHSEMSNNVSDP
22174	Q01826	117	IEMALLSLGYSHS
22175	Q01826	121	LLSLGYSHSSAAQ
22176	Q01826	143	WNPVPLSYVTDAP
22177	Q01826	204	KDMNQSSLAKECP
22178	Q01826	212	AKECPLSQSMISS
22179	Q01826	217	LSQSMISIVNST
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22181	Q01826	222	ISSIVNSTYYANV
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22183	Q01826	260	DSLSELQQGANH
22184	Q01826	292	AQLSHGSQPSVRT
22185	Q01826	295	SHGSQPSVRTPLP
22186	Q01826	313	LVSTPISPQLVNQ
22187	Q01826	341	RLLAQQSLNQQYL
22188	Q01826	354	NHPPPVSRSMNKP
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22190	Q01826	366	PLEQQVSTNTEVS
22191	Q01826	389	LKRAGISQAVFAR
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22249	Q01860	306	AAGSPFSGGPVSF
22250	Q01860	311	FSGGPV\$FPLAPG
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22256	Q01954	94	NVVFDISSLMLYG
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22267	Q01954	434	NSLNLASSENYKC
22268	Q01954	510	TPGILPSLPLLSS
22269	Q01954	581	DEQEACSPQSHRV
22270	Q01954	617	RESVIESSGAISQ
22271	Q01954	734	TFKNACSVKIHHK
22272	Q01954	764	TFPSRRSRDRHSS
22273	Q01954	770	SRDRHSSNLNLHQ
22274	Q01954	815	AFTQQASQTSVIF
22275	Q01954	818	QQASQTSVIFKGT
22276	Q01954	841	TQVHSASLESYNS
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22309	Q01974	771	SNTTQT S SLSTSP
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22316	Q01974	882	TAPSNT S MADRAA
22317	Q01974	891	DRAALL S EGADDT
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22319	Q02156	17	KICEAV S LKPTAW
22320	Q02156	24	LKPTAWSLRHAVG
22321	Q02156	49	ALNVDD S RIGQTA
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22323	Q02156	110	ELLQN G S RHFEDW
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22327	Q02156	184	RQPTYC S HCRDFI
22328	Q02156	238	VGSQRFSVNMPHK
22329	Q02156	261	FCDHCG S LLWGLL
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22409	Q02447	757	VNTSATS NQDILT
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22413	Q02763	36	NSLPLVS DAE TSL
22414	Q02763	94	WKREKAS KINGAY
22415	Q02763	123	KMRQQAS FLPATL
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22500	Q03135	136	VVPCIKSFLIEIQ
22501	Q03135	145	IEIQCISRVYSIY
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22507	Q03393	28	ASHRLYSKFLSDE
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22560	Q03721	480	NFGMYYSLAMAKQ
22561	Q03721	504	RPAQLESPMYCKS
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22573	Q03721	619	DLPLQHSPEAACP
22574	Q04206	17	AEPAQASGPYVEI
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22654	Q04759	91	TTVELYS LAERCR
22655	Q04759	126	RYFLEMS DTKDMN
22656	Q04759	174	PQPTFC SVCHEFV
22657	Q04759	212	IAKCTGS AINSRE
22658	Q04759	216	TGSAINS RETMFH
22659	Q04759	241	KVYNYKS PTFCEH
22660	Q04759	297	ALAMIES TQQARC
22661	Q04759	323	EIGLPCSI KNEAR
22662	Q04759	345	REPQGIS WESPLD
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22668	Q04759	497	GLQFLHS KGIVYR
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22702	Q04864	479	EASSMPSADLYGI
22703	Q04864	486	ADLYGISDPNMLS
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22708	Q04864	559	TVFVSQSDFEGS
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22710	Q04864	573	FSCADNSMINESG
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22712	Q04864	581	INESGPSNSTNPN
22713	Q04864	595	HGFVQDSQYSGIG
22714	Q04864	598	VQDSQYSIGSMQ
22715	Q04864	602	QYSGIGSMQNEQL
22716	Q04912	48	VKYVVVPFSAGGL
22717	Q04912	90	DLKSVQSLAT GPA
22718	Q04912	134	ALPALVSCGSSLQ
22719	Q04912	137	ALVSCGS SLQGRC
22720	Q04912	165	APACLFSAHHNRP
22721	Q04912	180	CPDCVASPLGTRV
22722	Q04912	210	DAAVAASFSPRSV
22723	Q04912	212	AVAASFSPRSVSI
22724	Q04912	252	SIEYVHSFHTGAF
22725	Q04912	268	LTVQPASVTDDPS
22726	Q04912	284	TRLARLSATEPEL
22727	Q04912	431	FPLLVSSFSRVD
22728	Q04912	479	QVELVRSLNLY
22729	Q04912	494	NFSLGDSGQPVQR
22730	Q04912	599	NFYLHPSGLPEG
22731	Q04912	623	RPLPKDS SKLRPV
22732	Q04912	656	VGPTNVSLTVTNM
22733	Q04912	746	PGATVAVPLSLQ
22734	Q04912	774	EDPVVLSISPNCG
22735	Q04912	776	PVVLSSPNCGYI
22736	Q04912	843	WVAGNLSSARGDGA
22737	Q04912	904	VTVGGE SCQHEFR
22738	Q04912	998	NLNLDLASLDQTAG
22739	Q04912	1031	AIDGLDS TTCVHG
22740	Q04912	1039	TCVHGASFSDSED
22741	Q04912	1084	ERVVTHS DRVIGK
22742	Q04912	1115	IQCIAIKSLSRITE
22743	Q04912	1187	TVKDLISFGLQVA
22744	Q04912	1195	GLQVARSMYE LAE
22745	Q04912	1240	LDREYYSVQQHRH
22746	Q04912	1315	PEYCPDSLYQVMQ
22747	Q04912	1381	PEQPQFSPMPGNV
22748	Q05066	10	YASAML SVFNSDD
22749	Q05066	14	MLSVFNS DDYSPA

22750	Q05066	18	FNSDDYS PAVQEN
22751	Q05066	31	I PALRRSSSFLCT
22752	Q05066	32	PALRRSSSFLCTE
22753	Q05066	33	ALRRSSSFLCTES
22754	Q05066	39	SFLCTES CNSKYQ
22755	Q05066	42	CTESCNS KYQCET
22756	Q05066	52	CETGENSKGNVQD
22757	Q05066	71	NAFIVWS RDQRRK
22758	Q05066	88	NPRMRNSEISKQL
22759	Q05066	91	MRNSEIS KQLGYQ
22760	Q05066	143	MLPKNC SLLPADP
22761	Q05066	151	LPADPAS VLCSEV
22762	Q05066	155	PASVLC SEVQLDN
22763	Q05066	174	CTKATH SRMEHQL
22764	Q05066	190	PPINAAS SPQQRD
22765	Q05066	191	PINAASS PQQRDR
22766	Q05086	11	HQCYWK SGEPQSD
22767	Q05086	22	SDDIEA SRMKRAA
22768	Q05086	56	TNEFCAS CPTFLR
22769	Q05086	88	LCDPHPS KKGASS
22770	Q05086	93	PSKKGAS SAYLEN
22771	Q05086	94	SKKGASS SAYLENS
22772	Q05086	100	SAYLENS KGAPNN
22773	Q05086	107	KGAPNN SCSEIKM
22774	Q05086	147	REREDYS PLIRVI
22775	Q05086	159	IGRVFSS AEALVQ
22776	Q05086	166	AEALVQS FRKVQ
22777	Q05086	180	TKEELKS LQAKDE
22778	Q05086	207	AAMEED SEASSSR
22779	Q05086	210	EEDSEAS SSRIGD
22780	Q05086	212	DSEASS SRIGDSS
22781	Q05086	217	SSRIGD SQGDNN
22782	Q05086	233	LGPDDVS VVDIDAI
22783	Q05086	248	VYTRL LNEKIET
22784	Q05086	264	NALVYLS PNVECD
22785	Q05086	278	TYHNVY SRDPNYL
22786	Q05086	298	ENRNLHS PEYLEM
22787	Q05086	314	LFCKAMS KLPLAA
22788	Q05086	329	KLIRLW S SKYNADQ
22789	Q05086	353	ITYKVI S NEFNSR
22790	Q05086	358	ISNEFNS RNLVND
22791	Q05086	503	NRIRMY S ERRITV
22792	Q05086	512	RITVLY S LVQGQQ
22793	Q05086	571	VDEGGV S KEFFQL
22794	Q05086	661	HPVLYQS LKDLL
22795	Q05086	683	MITFQI S QTDLFG
22796	Q05086	718	EFVNLY S DYILNK
22797	Q05086	744	HMVTN E SPLKYLF
22798	Q05086	854	LLPEYSS E KEKLKE
22799	Q05209	19	RVQAMK S PDHNGE
22800	Q05209	39	MRLRRLS T TKYRT
22801	Q05209	83	LTLKTP S QDSDYI
22802	Q05209	86	KTPSQD S DYINAN
22803	Q05209	205	DHDVP S FD SILD
22804	Q05209	208	VPSSFD S ILD MIS
22805	Q05209	214	SILDMI S LMRKYQ
22806	Q05209	232	PICIHC S AGCGRT
22807	Q05209	324	TENMVSS I EPEKO

22808	Q05209	332	EPEKQDSPPP KPPRTSCLVEGD
22809	Q05209	342	HAIKIKSASPCIA
22810	Q05209	466	CIADKISKPQELS
22811	Q05209	476	LNVGDTSQNSCVD
22812	Q05209	491	NSCVDCSVTQSNK
22813	Q05209	499	DCSQTQSNKVSVT
22814	Q05209	503	PEESQNSDTPPRP
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22816	Q05209	537	IPIPDLSEGNSSD
22817	Q05209	551	QTRKTVSLTPSPT
22818	Q05209	567	LFRTPLSFTNPLH
22819	Q05209	596	PLHSDDSDSDERN
22820	Q05209	606	DSDERNSDGAVTQ
22821	Q05209	613	AATSTESISTRKV
22822	Q05209	639	RKVLPMSIARHNI
22823	Q05209	649	IAGTTHSGAEKDV
22824	Q05209	661	EKDVDVSEDSPPP
22825	Q05209	670	PERTPESFVLASE
22826	Q05209	684	ESFVLASEHNTPV
22827	Q05209	689	HNTPVRSEWSELQ
22828	Q05209	697	PVRSEWSELQSQE
22829	Q05209	700	EWSELQSQERSEQ
22830	Q05209	704	LQSQERSEQKKSE
22831	Q05209	708	PYTEAASSLSTGST
22832	Q05315	13	TEAASLSTGSTVT
22833	Q05315	15	ASLSTGSTVTIKG
22834	Q05315	18	TEMKEESDIVHFH
22835	Q05315	48	RRVVMNSREYGAW
22836	Q05315	66	WKQQVESKNMPFQ
22837	Q05315	78	GQEFELESISVLPD
22838	Q05315	92	EFELSIISVLPDKY
22839	Q05315	94	VMVNGQSSYTDFH
22840	Q05315	108	MVNGQSSYTDFHR
22841	Q05315	109	QWWRDISLTKFNV
22842	Q05315	131	VFHYFESNSEPTT
22843	Q05397	45	EPTTWASIIRHGD
22844	Q05397	54	IQKIVDSHKVKHV
22845	Q05397	74	RLSHLRSEEVHWL
22846	Q05397	92	VDMGVSSVREKEYE
22847	Q05397	106	CLEIRRYSWEMRG
22848	Q05397	179	KFFEILSPVYRFD
22849	Q05397	248	KCALGSSWIISVE
22850	Q05397	265	GPEEGISYLTDKG
22851	Q05397	281	VQTIQYSNSEDKD
22852	Q05397	305	TIQYSNSEDKDRK
22853	Q05397	307	RLVNGTSQSFIIR
22854	Q05397	355	VNGTSQSFIIRPQ
22855	Q05397	357	HQGIYMSPENPAL
22856	Q05397	443	TCKNCTS DSVREK
22857	Q05397	461	YSLDLASLILYAY
22858	Q05397	522	LYAYQLSTALAYL
22859	Q05397	531	ALAYLESKRFVHR
22860	Q05397	539	RNVLVSSNDCVKL
22861	Q05397	556	LGDFGLSRYMEDS
22862	Q05397	568	KWMAPESENFRRF
22863	Q05397	593	RRFTSASDVWMFG
22864	Q05397	603	CWAYDPSRRPRFT
22865	Q05397	664	

22866	Q05397	705	ATVSWDSSGGSDEA
22867	Q05397	716	EAPPKPSRPGYPS
22868	Q05397	725	GYPSPRSSEGFP
22869	Q05397	745	TNHYQVSGYPGSH
22870	Q05397	759	ITAMAGSIYPGQA
22871	Q05397	773	LLDQTDSWNHQP
22872	Q05397	850	IDREDGSLQGPIG
22873	Q05397	992	AQKLLNSDLGELI
22874	Q05655	11	LRIAFNSYELGSL
22875	Q05655	16	NSYELGSSLQAED
22876	Q05655	37	KMKEALSTERGKT
22877	Q05655	57	MYPEWKSTFDAHI
22878	Q05655	82	AAEPPVSEVTVG
22879	Q05655	89	EVTVGVSVLAERC
22880	Q05655	117	QAKVLMSVQYFLE
22881	Q05655	133	CKQSMRSDEEAKF
22882	Q05655	173	GQPTFCSVCKDFV
22883	Q05655	215	TGTAANSRDTIFQ
22884	Q05655	240	KVHNYSMSPTFCDH
22885	Q05655	249	FCDHCGSLLWGLV
22886	Q05655	306	RRSDSASSEPVGI
22887	Q05655	331	EDMQDNSGTYGKI
22888	Q05655	341	GKIWEGRSKCNIN
22889	Q05655	342	KIWEGSSKCNINN
22890	Q05655	359	KVLGKGSFGKVLL
22891	Q05655	466	GLQFLHSKGIIYR
22892	Q05655	528	GLKYTFSVDWWSF
22893	Q05655	533	FSVDWWSFGVLLY
22894	Q05655	546	EMLIGQSPFHGDD
22895	Q05655	559	EDELFEAIRVDTP
22896	Q05655	575	RWITKESKDILEK
22897	Q05655	626	FRPKVKSPRDYSN
22898	Q05655	631	KSPRDYSNFDQEF
22899	Q05655	647	KARLSYSDKNLID
22900	Q05707	49	HDSIQISWKAPRG
22901	Q05707	68	LLVTPTSGGKTNQ
22902	Q05707	216	WHLNAFTSKDEVI
22903	Q05707	285	SRNLRESGVELFA
22904	Q05707	348	DREIKASAHAITG
22905	Q05707	406	VDGTVSSTVLKNL
22906	Q05707	414	VLKNLMSLTEYQI
22907	Q05707	458	YDVTENSMRVKWD
22908	Q05707	703	LDDGSESEVVTAV
22909	Q05707	729	TIVPTTSVTSVFQ
22910	Q05707	750	GDETTSSLRVKWD
22911	Q05707	819	TDGEGVSVSAPGK
22912	Q05707	830	GKTLPPSSGPQNLR
22913	Q05707	853	ITWDPPSSPVKGY
22914	Q05707	854	TWDPPSSPVKGYR
22915	Q05707	891	LITNLLSGMDYNV
22916	Q05707	963	DRQKQESTVGGGT
22917	Q05707	986	DSEYKISVYTKLQ
22918	Q05707	998	QEIEGPSVSIMEK
22919	Q05707	1053	NFNKIIISFLYSTV
22920	Q05707	1179	DYSELVSIGSKPS
22921	Q05707	1244	LVEKDFSSVEGV
22922	Q05707	1289	PSDYTIISFLFRIL
22923	Q05707	1356	RKIFYGSFHKLHI

22924	Q05707	1443	GLRDDES CPDLPH
22925	Q05707	1450	CPDLPH S CSCSET
22926	Q05707	1543	IPGGVG S PGRDGS
22927	Q05707	1549	SPGRDGS S PGQRGL
22928	Q05707	1585	VPGITG S MGPQGA
22929	Q05707	1612	ERGDLQS Q AMVRS
22930	Q05707	1648	IPSHSSS I RTVQG
22931	Q05707	1721	PGPAGPS G ESRPG
22932	Q05707	1762	PGYCDPS S CSAYG
22933	Q06187	8	AAVILES I FLKRS
22934	Q06187	38	LTVHKL S YYEYDF
22935	Q06187	51	ERGRRG S KKGSID
22936	Q06187	86	PRRGEE S SEMEQI
22937	Q06187	87	RRGEES S SEMEQIS
22938	Q06187	93	SEMEQIS I IERFP
22939	Q06187	156	GQYLCCS Q TAKNA
22940	Q06187	212	PAAAPV S TSELKK
22941	Q06187	247	YFILEE S NLPWWR
22942	Q06187	275	VTEAEDS I EMYEW
22943	Q06187	289	SKHMTRS Q AEQQL
22944	Q06187	309	GFIVRDS S SKAGKY
22945	Q06187	342	VCSTPQS Q YYLAE
22946	Q06187	353	AEKHLF S TIPELI
22947	Q06187	366	NYHQHNS S AGLISR
22948	Q06187	371	NSAGLIS R KYPV
22949	Q06187	378	RLKYPVS Q QNKNNA
22950	Q06187	386	QNKNAP S TAGLGY
22951	Q06187	394	AGLGYGSWEIDPK
22952	Q06187	436	KMIKEGS M SEDEF
22953	Q06187	538	QGVVKVS D FGLSR
22954	Q06187	543	VSDFGLS R YVLDD
22955	Q06187	553	LDDEYT S SVGSKF
22956	Q06187	564	KFPVRWS P PEVLM
22957	Q06187	572	PEVLMYS K FSSKS
22958	Q06187	575	LMYSKF S SKSDIW
22959	Q06187	576	MYSKFSS K SDIW
22960	Q06187	578	SKFSSKS D IWAEG
22961	Q06187	592	LMWEIYS L GKMPY
22962	Q06187	632	VYTIMYS C WHEKA
22963	Q06187	649	TFKILL S NILDVM
22964	Q06413	78	YNEPHE S RTNSDI
22965	Q06413	98	GLNGCDS P PDAD
22966	Q06413	129	DIDLMIS R QRLCA
22967	Q06413	150	PVSIPV S SHNSLV
22968	Q06413	151	VSIPVSS H NSLVY
22969	Q06413	158	HNSLVY S NPVSSL
22970	Q06413	176	LPLAHPS I QRNSM
22971	Q06413	181	PSLQRNS M SPGVT
22972	Q06413	206	MGGDLT S GAGTSA
22973	Q06413	211	TSGAGT S AGNGYG
22974	Q06413	222	YGNPRNS P GLLVS
22975	Q06413	228	SPGLLVS P GNLNK
22976	Q06413	263	VLIPPG S KNTMPS
22977	Q06413	269	SKNTMP S VSEDVD
22978	Q06413	285	NQRINNS Q SAQSL
22979	Q06413	287	RINNSQS A QSLAT
22980	Q06413	324	TYGTEY S LSSADL
22981	Q06413	346	SALHLGS V TGWQQ

22982	Q06413	361	LHNMP <u>P</u> SALSQLG
22983	Q06413	364	MPPSALS <u>Q</u> LGACT
22984	Q06413	384	SNLSP <u>P</u> TQSLNI
22985	Q06413	387	SLPST <u>Q</u> SLNIKSE
22986	Q06413	392	QSLNIK <u>S</u> EPVSPP
22987	Q06413	406	DRTTTP <u>S</u> RYPQHT
22988	Q06413	428	DSLSSC <u>S</u> SSYDGDS
22989	Q06413	429	SLSSC <u>S</u> SYDGSD
22990	Q06413	430	LSSC <u>S</u> SYDGSDR
22991	Q06413	434	SSSYDG <u>S</u> DREDHR
22992	Q06413	445	HRNEFH <u>S</u> PIGLTR
22993	Q06413	453	IGLTRP <u>S</u> PDERES
22994	Q06413	461	DERESP <u>S</u> VKRMRL
22995	Q06481	79	DPTGT <u>K</u> SCFETKE
22996	Q06481	125	DKKQCK <u>S</u> RFVTPF
22997	Q06481	140	LVGEF <u>V</u> SDVLLVP
22998	Q06481	183	QGMTLY <u>S</u> YGMLLP
22999	Q06481	211	QTKIIG <u>S</u> VSKEEE
23000	Q06481	213	KIIGSV <u>S</u> KEEEE
23001	Q06481	238	DYDVYK <u>S</u> EFPTEA
23002	Q06481	293	NPTEPG <u>S</u> DGTMSD
23003	Q06481	298	GSDGTM <u>S</u> DKEITH
23004	Q06481	311	DVKAVC <u>S</u> QEAMTG
23005	Q06481	331	RWYFDL <u>S</u> KGKCVR
23006	Q06481	352	NRNNFE <u>S</u> EDYCMA
23007	Q06481	381	DVYFET <u>S</u> SADDNEH
23008	Q06481	447	LEKEAA <u>S</u> EKQQLV
23009	Q06481	481	YLAALQ <u>S</u> DPPRPH
23010	Q06481	527	KAAQM <u>K</u> SQVMTHL
23011	Q06481	543	EERRNQ <u>S</u> LSLLYK
23012	Q06481	545	RRNQSL <u>S</u> LLYKVP
23013	Q06481	578	MDQFT <u>A</u> SISETPV
23014	Q06481	580	QFTASIS <u>E</u> TPVVDV
23015	Q06481	589	PVDVRV <u>S</u> SEESEE
23016	Q06481	593	RVSSEE <u>S</u> EEIPPF
23017	Q06481	626	HPMKK <u>G</u> SGVGEQD
23018	Q06481	645	EEKVINS <u>K</u> NKVDE
23019	Q06481	680	LEEERE <u>S</u> VGPLRE
23020	Q06481	689	PLRED <u>F</u> SLSSSAL
23021	Q06481	691	REDFSL <u>S</u> SSALIG
23022	Q06481	692	EDFSL <u>S</u> SSALIGL
23023	Q06481	693	DFSLSSS <u>S</u> ALIGLL
23024	Q06481	712	ATVIVI <u>S</u> LVMLRK
23025	Q06481	725	RQYGT <u>I</u> SHGIVEV
23026	Q06609	14	EANAD <u>T</u> SVEEESF
23027	Q06609	19	TSVEEE <u>S</u> FGPQPI
23028	Q06609	26	FGPQPI <u>S</u> RLEQCG
23029	Q06609	67	INIKGI <u>S</u> REAKADK
23030	Q06609	97	EFHQRR <u>S</u> EIIQIT
23031	Q06609	106	IQITTG <u>S</u> KELDKL
23032	Q06609	121	GGIETG <u>S</u> ITEMFG
23033	Q06609	181	AERYGL <u>S</u> GSDVLD
23034	Q06609	183	RYGLSG <u>S</u> DVLNV
23035	Q06609	208	QLLYQASAMMVES
23036	Q06609	214	SAMMVES <u>S</u> RYALLI
23037	Q06609	223	ALLIVD <u>S</u> ATALYR
23038	Q06609	233	LYRTDY <u>S</u> GRGELS
23039	Q06609	239	SGRGEL <u>S</u> ARQMHL

23040	Q06609	296	NIIAHASSTTRLYL
23041	Q06609	317	ICKIYDSPCPPEA
23042	Q06787	11	VVEVRGSNGAFYK
23043	Q06787	69	DEVEVYSRANEKE
23044	Q06787	114	TIERLRSVNPNKP
23045	Q06787	158	KAVGAFSVTYDPE
23046	Q06787	191	IDMHFRSLRTKLS
23047	Q06787	197	SLRTKLSLIMRNE
23048	Q06787	206	MRNEEASKQLESS
23049	Q06787	211	ASKQLESRQLAS
23050	Q06787	217	SSRQLASRFHEQF
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23052	Q06787	343	SLPSNNNSRVGPNA
23053	Q06787	380	QRVLVASVVAGE
23054	Q06787	381	RVLVASSVVAGES
23055	Q06787	387	SVVAGESQKPELK
23056	Q06787	409	FVGTKDSIANATV
23057	Q06787	447	LRQIGASSRPPPN
23058	Q06787	460	RTDKEKSYVTDDG
23059	Q06787	473	QGMGRGSRPYRNR
23060	Q06787	494	YTSGTNSEASNAS
23061	Q06787	497	GTNSEASNASETE
23062	Q06787	504	NASETESDHRDEL
23063	Q06787	511	DHRDELSDWSLAP
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23067	Q06787	577	GRRTDGSLQIRVD
23068	Q06787	589	DCNNERSVHTKTL
23069	Q06787	599	KTLQNTSSEGSRL
23070	Q06787	600	TLQNTSSEGSRLR
23071	Q06787	603	NTSSEGSRLRTGK
23072	Q06787	620	KKEKPDSDVGQQP
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23074	Q06828	16	AGLFSLSQAQYED
23075	Q06828	33	WFHYLRSQQSTYY
23076	Q06828	36	YLRSQQSTYYDPY
23077	Q06828	67	PAYTYGSPSPPDP
23078	Q06828	69	YTYGSPSPPDPRD
23079	Q06828	105	YLPFVPSSRMKYVY
23080	Q06828	119	QNNQITSIQEGVF
23081	Q06828	143	HGNQITSDKVGRK
23082	Q06828	152	VGRKVFSKLRHLE
23083	Q06828	177	PGPLPRSRLRELHL
23084	Q06828	189	LDHNQISRVPNNA
23085	Q06828	217	EIQEVGSSMRGLR
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23087	Q06828	224	SMRGLRSLLLDL
23088	Q06828	231	LILLDLSYNHLRK
23089	Q06828	244	VPDGLPSALEQLY
23090	Q06828	262	VYTVPDSYFRGAP
23091	Q06828	276	LLYVRLSHNSLTN
23092	Q06828	279	VRLSHNSLTNNGL
23093	Q06828	287	TNNGLASNTFNSS
23094	Q06828	292	ASNTFNSSSLLEL
23095	Q06828	293	SNTFNSSSLLELD
23096	Q06828	294	NTFNSSSLLELDL
23097	Q06828	301	LLELDLSYNQLQK

23098	Q06828	329	NRINEFSISSFCT
23099	Q06828	331	INEFSISSFCTVV
23100	Q06828	332	NEFSISSFCTVVD
23101	Q06828	343	VDVVNFSKLQVLR
23102	Q06828	358	GNEIKRSAMPADA
23103	Q06830	30	GQFKDISLSDYKG
23104	Q06830	32	FKDISLSDYKGKY
23105	Q06830	60	TEIIIAFSDRAEEF
23106	Q06830	77	CQVIGASVDSHFC
23107	Q06830	80	IGASVDSHFCHLA
23108	Q06830	106	MNIPLVSDPKRTI
23109	Q06830	126	KADEGISFRGLFI
23110	Q06830	152	DLPVGRSVDETLR
23111	Q06830	181	AGWKPGSDTIKPD
23112	Q06830	191	KPDVQKSKEYFSK
23113	Q07065	9	SAKQRGSKGGHGA
23114	Q07065	26	EKGAHPSGGADDV
23115	Q07065	79	GGGGGKSSSSSA
23116	Q07065	96	AAAAASSSASCSCR
23117	Q07065	99	AASSSASCRRLG
23118	Q07065	123	VAAAASFSGWCVHH
23119	Q07065	140	VQQVRRSHQDFSR
23120	Q07065	145	RSHQDFSRQREEL
23121	Q07065	174	TFGTFESILRSSQ
23122	Q07065	179	ESILRSSQHKQDL
23123	Q07065	195	AVKQGESEVRIS
23124	Q07065	198	QGESEVSRISEVL
23125	Q07065	201	SEVSRISEVLQKL
23126	Q07065	216	EILKDLSDGIHVV
23127	Q07065	247	LTELTKSINDNIA
23128	Q07065	299	VKEIQTSAKSREW
23129	Q07065	302	IQTSAKSREWDME
23130	Q07065	319	TLQTMESDIYTEV
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23138	Q07065	470	DQDGLASTVRSLG
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23142	Q07065	542	LDNLKASVSQVEA
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23148	Q07666	20	SSGRSGSMPSGA
23149	Q07666	24	SGSMDPSGAHPSV
23150	Q07666	29	PSGAHPSVRQTPS
23151	Q07666	35	SVRQTPSRQPPLP
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23153	Q07666	51	RGGGGGSRGGARA
23154	Q07666	58	RGGARASPATQPP
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23159	Q07666	117	KDSLDPSFTHAMQ
23160	Q07666	137	KIQKGDSKKDDEE
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23162	Q07666	196	ETGAKISVLGKGS
23163	Q07666	202	SVLGKGSMRDKAK
23164	Q07666	272	EQFLELSYLNQVP
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23167	Q07666	388	GYEGYYSQSQGDS
23168	Q07666	390	EGYYSQSQGDSEY
23169	Q07666	394	SQSQGDSEYYDYG
23170	Q07666	407	HGEVQDSYEAYGQ
23171	Q07666	422	WNGTRPSLKAPP
23172	Q07817	14	LVVDFLSYKLSQK
23173	Q07817	18	FLSYKLSQKGYSW
23174	Q07817	23	LSQKGYSWSQFSD
23175	Q07817	25	QKGYSWSQFSDVE
23176	Q07817	28	YSWSQFSDVEENR
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23178	Q07817	56	AINGNPSWHLADS
23179	Q07817	72	NGATGHSSLDAR
23180	Q07817	73	GATGHSSLDARE
23181	Q07817	74	ATGHSSLDAREV
23182	Q07817	106	RYRRAFSDLTSQL
23183	Q07817	110	AFSDLTSQLHITP
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23203	Q07820	255	VMIHVFSDGVTNW
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23319	Q07955	227	SRSRSYSPRRSRG
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23387	Q08345	8	GPEALSSLLLLL

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23431	Q08426	298	ASARPVS SVG VVG
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23565	Q08999	76	YRSMSESYTLEGN
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23570	Q08999	225	SDDLVNSYHLLC
23571	Q08999	266	DFHAKDSKPSSDP
23572	Q08999	270	KDSKPSSDPPCII
23573	Q08999	281	IIEKLCSLHDGLV
23574	Q08999	330	PGNFGESEFKAINK
23575	Q08999	344	YEYVLSVGNLDE
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23577	Q08999	420	PCVTPVSTATHSL
23578	Q08999	427	TATHSLSRRLHTML
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23594	Q08999	1110	ILLEDGSESPAKR
23595	Q08J23	85	RITGYKSCHASEIL
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23598	Q08J23	151	FHQFLVSETESGN
23599	Q08J23	155	LVSETESGNISRQ
23600	Q08J23	159	TESGNISRQEAVS
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23604	Q08J23	244	VVNHDASSIPRLQ
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23608	Q08J23	334	DEAVIASLLEKSE
23609	Q08J23	339	ASLLEKSEGAELE
23610	Q08J23	349	LELADVSNELPGL
23611	Q08J23	431	AVLVKKSSMPWNK
23612	Q08J23	452	SAETRESSTQLSPA
23613	Q08J23	469	GKPTDPSKLESPS
23614	Q08J23	475	SKLESPSFTGTGD
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23616	Q08J23	542	FYALDPSFPRMNL
23617	Q08J23	564	RQLYMVSKELRNV
23618	Q08J23	575	NVLLNNSEKMVKI
23619	Q08J23	617	LYPFINSRIITVS

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23621	Q08J23	642	PFFRKLSSETYSQ
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23673	Q09161	418	RFINWFSSHLSNF
23674	Q09161	422	WFSHHLSNFQFRW
23675	Q09161	429	NFQFRWSWEDWSD
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23687	Q09161	674	RQHKRR S DDDRS
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23998	Q12968	717	DLSSVPSLPVPHP
23999	Q12968	730	AQTQR <i>P</i> SSDSGCS
24000	Q12968	731	QTQR <i>P</i> SSDSGCSH
24001	Q12968	736	SSDSG C SHDSVLS
24002	Q12968	761	YASMV T SSHLPQL
24003	Q12968	895	TGQRSL S SPVADQ
24004	Q12968	937	SHPLASS <i>P</i> LSGPP
24005	Q12968	940	LASSPL <i>S</i> GPPSPQ
24006	Q12968	944	PLSGPP <i>S</i> PQLQPM
24007	Q12968	957	PYQSP <i>P</i> SSGTASSP
24008	Q12968	961	PSSGT <i>A</i> SSPSPAT
24009	Q12968	962	SSGTASS <i>P</i> SPATR
24010	Q12968	975	MHSGQH S TQAQST
24011	Q12968	991	GLSAP <i>S</i> SLICHSL
24012	Q12968	1045	IIGRDMS <i>Q</i> ISVSQ
24013	Q12968	1050	MSQISV S QGAGVS
24014	Q12968	1066	PLPSPE <i>S</i> LDLGRS
24015	Q12972	9	AAANSG S SLPLFD
24016	Q12972	10	AANGSS <i>L</i> PLFDC
24017	Q12972	66	FTIDHQ S CSRVAH
24018	Q12972	68	IDHQSC <i>S</i> RVHAAL
24019	Q12972	90	FLIDL <i>N</i> STHGTF
24020	Q12972	113	QQIPID <i>S</i> TVSF
24021	Q12972	116	PIDSTV <i>S</i> FGASTR
24022	Q12972	120	TVSFG <i>A</i> STRAYTL
24023	Q12972	135	KPQTL <i>P</i> SAVKGDE
24024	Q12972	178	AHNKRIS <i>T</i> LTIIE
24025	Q12972	199	KRKRKN <i>S</i> RVTFSE

24026	Q12972	204	NSRVTFS E DDEII
24027	Q12972	218	PEDVDPSVGRFRN
24028	Q12972	243	RVEGPGS L GLEES
24029	Q12972	249	SLGLEESGSRRMQ
24030	Q12972	251	GLEESGS R RMQNF
24031	Q12972	260	MQNFAFS G GLYGG
24032	Q12972	272	GLPPTHSEAGSQP
24033	Q12972	276	THSEAGSQPHGIH
24034	Q12972	309	LTPVVPSAVNMNP
24035	Q13002	29	LLWIGYSQGTTHV
24036	Q13002	112	IIFGPSHS S SANAV
24037	Q13002	113	FGPSHS S SANAVQ
24038	Q13002	120	SANAVQSICNALG
24039	Q13002	139	RWKHQVS D NKDSF
24040	Q13002	148	KDSFYVS L YPDFS
24041	Q13002	154	SLYPDFSSLSRAI
24042	Q13002	290	TENTQVSSIEKW
24043	Q13002	297	SIEEKWSMERLQA
24044	Q13002	309	APPKPDS G LLDGF
24045	Q13002	331	DAHVVS V VAVQQF
24046	Q13002	343	FPQMTVSS L QCNR
24047	Q13002	344	PQMTVSS L QCNRH
24048	Q13002	393	FDLDVIS L KEEGL
24049	Q13002	409	GTWDPAS G LNMT
24050	Q13002	449	YVLFKKS D PLYG
24051	Q13002	539	FMTLGIS I LYRK
24052	Q13002	560	SFLNPLS P DIWMY
24053	Q13002	575	LAYLGVS C VLFVI
24054	Q13002	599	HPCNPDSDVVENN
24055	Q13002	611	NFTLLNS F WFGVG
24056	Q13002	624	ALMQQGS E LMPKA
24057	Q13002	670	MESPIDSADDLAK
24058	Q13002	710	KMWAFMS S RQRQSV
24059	Q13002	720	QSVLVKS N EEGIQ
24060	Q13002	739	YAFLMES T IEFV
24061	Q13002	772	VGTPMGS P YRDKI
24062	Q13002	809	GCPEEES K EASAL
24063	Q13002	834	AAGLVL S VFVAVG
24064	Q13002	856	AQLEKRS F CSAMV
24065	Q13002	859	EKR S FCSAMVEEL
24066	Q13042	21	DQQQYQ S ALFWAD
24067	Q13042	33	DKVASLS R EEPQD
24068	Q13042	62	AAHALRS R KLDKL
24069	Q13042	118	SGFKDPS S DWEMS
24070	Q13042	119	GFKDPSS D WEMSQ
24071	Q13042	124	SSDWEMS Q SSSIKS
24072	Q13042	126	DWEMSQS S IKSSI
24073	Q13042	127	WEMSQS S IKSSIC
24074	Q13042	130	SQSSIKSS S ICLLR
24075	Q13042	152	RTLATYS Y KEALK
24076	Q13042	172	AFDLLTS H HMLTA
24077	Q13042	187	EKELLES L PLSKL
24078	Q13042	191	LESLPLS K LCNEE
24079	Q13042	216	KKYNKPSETVIPE
24080	Q13042	223	ETVIPE S VDGLQE
24081	Q13042	236	NLDVVVS L AERHY
24082	Q13042	255	MCYKLTS V MEKD
24083	Q13042	266	KDPFH A CLPVHI

24084	Q13042	288	NELFYLSHKLVDL
24085	Q13042	297	LVDLYPSNPVSWF
24086	Q13042	301	YPSNPVSWFAVGC
24087	Q13042	348	HSFAVESEHDQAM
24088	Q13042	384	YGLTNNSKLAERF
24089	Q13042	392	LAERFFSQALSIA
24090	Q13042	396	FFSQALSIAPEDP
24091	Q13042	483	QNASTYSAGYIH
24092	Q13042	515	RRDDTFSVTMLGH
24093	Q13042	530	EMYIGDSEAYIGA
24094	Q13042	586	LTPLETSRKTPDS
24095	Q13042	592	SRKTPDSRPSLEE
24096	Q13042	607	EIEMNESDMMLET
24097	Q13045	16	VRGVDSLGNDFKG
24098	Q13045	62	QKLEHLSVSHNNL
24099	Q13045	64	LEHLSVS HNNLTT
24100	Q13045	77	LHGELSSLPSLRA
24101	Q13045	90	IVARANSLKNSGV
24102	Q13045	107	FKLDDLSVLDLSH
24103	Q13045	138	LNLSHNSIDTIIPN
24104	Q13045	213	STQRTQSNLPTSL
24105	Q13045	223	TSLEGLSNLADVD
24106	Q13045	231	LADVDLSCNDLTR
24107	Q13045	247	CLYTLPSLRRRLNL
24108	Q13045	277	VETLNLSRNQLTS
24109	Q13045	283	SRNQLTSLPSAIC
24110	Q13045	286	QLTSLPSAICKLS
24111	Q13045	463	NKKQEESSADARAP
24112	Q13045	561	LDKKACSAIHAVN
24113	Q13045	587	EEMGDESEEFLOV
24114	Q13045	599	VFDNDISYIEGGT
24115	Q13045	667	GAQATLSSTTKAR
24116	Q13045	711	ALGGEPESEIKKHV
24117	Q13045	748	QINYKLSVEHKQR
24118	Q13045	768	RMRLLQSLLDTRC
24119	Q13045	782	YILDCWSDVFIWL
24120	Q13045	822	HATVRSLEGTEA
24121	Q13045	860	LQSPGLSGKVKRD
24122	Q13045	1003	WLTFTFSLQKKFE
24123	Q13045	1094	LKVPFESEDNQGI
24124	Q13045	1128	NTMFDTSYSKQVI
24125	Q13045	1130	MFDTSYSKQVINE
24126	Q13045	1170	TRLFRCSENKGYF
24127	Q13045	1213	WVGTQTSQVEIKL
24128	Q13049	26	CPICMESFTEEQL
24129	Q13049	54	LEKLLAS SINGVR
24130	Q13049	72	KITRITSLTQLTD
24131	Q13049	92	IDTAGLSEAVGLL
24132	Q13049	114	PRQFCRSCGLVLC
24133	Q13049	218	EVEKSNSQVVEEQ
24134	Q13049	225	QVVEEQSYLLNIA
24135	Q13049	237	AEVQAVSRCDYFL
24136	Q13049	306	TVNVEDSWAMEAT
24137	Q13049	314	AMEATASAATSV
24138	Q13049	317	ATASAATSVTFR
24139	Q13049	319	ASAATSVTFREM
24140	Q13049	328	FREMDMSPEEVVA
24141	Q13049	335	PEEVVASPRASPA

24142	Q13049	339	VASPRASPAKQRG
24143	Q13049	366	KMGAKGSTPGMFN
24144	Q13049	376	MFNLPVSLYVTSQ
24145	Q13049	381	VSLYVTSQGEVLV
24146	Q13049	412	EIRRSPSGIDSFV
24147	Q13049	416	SPSGIDSFVLSFL
24148	Q13049	447	LIGVTDSYDNSLK
24149	Q13049	451	TDSYDNLKVYTL
24150	Q13049	467	CVACHRSQLSKPW
24151	Q13049	470	CHRSQLSKPWGIT
24152	Q13049	480	GITALPSGQFVVT
24153	Q13049	502	FTVDRGSGVVKYS
24154	Q13049	508	SGVVKYSCLCASV
24155	Q13049	551	HLEGGFSIGSVP
24156	Q13049	566	QLGRQISHFFSEN
24157	Q13049	570	QISHFFSENEDFR
24158	Q13049	594	DLIVADSRSRKEIL
24159	Q13049	609	PKGGGYSVLIREG
24160	Q13049	644	HCIIKIYSYHLRRY
24161	Q13085	34	NSEDEISNLVKLD
24162	Q13085	56	SPASVGSDTLSDL
24163	Q13085	65	LSDLGISSLQDGL
24164	Q13085	136	AVKCMRSIRRWSY
24165	Q13085	234	AFMGPPSQAMWAL
24166	Q13085	246	LGDKIASSIVAQT
24167	Q13085	247	GDKIASSIVAQTA
24168	Q13085	261	IPTLPWSGSGLRV
24169	Q13085	344	QAEVPGSPIFVMR
24170	Q13085	372	QYGNAISLFGRDC
24171	Q13085	419	KMVGYVSAGTVEY
24172	Q13085	495	PIDFEDSAHVPCP
24173	Q13085	533	QELNFRSNKNVWG
24174	Q13085	562	QFGHCFSWGENRE
24175	Q13085	756	DPSVMRSPSAGKL
24176	Q13085	758	SVMRSPSAGKLIQ
24177	Q13085	796	TLTAVESGCIHYV
24178	Q13085	824	MQLDNPSKVQQAE
24179	Q13085	835	AELHTGSLPRIQS
24180	Q13085	841	SLPRIQSSTALRGE
24181	Q13085	905	LQDIMTSVSGRIP
24182	Q13085	917	PPNVEKSIIKKEMA
24183	Q13085	938	VLCQFPSQQIANI
24184	Q13085	956	ATLNRKSEREVFF
24185	Q13085	977	LVQRYRSGIRGHM
24186	Q13085	1494	IEESVRSMVMRYG
24187	Q13085	1536	LFLTNESGYYLDI
24188	Q13085	1551	YKEVTDSSRTAQIM
24189	Q13085	1592	KRFQAQSLGTTYI
24190	Q13085	2116	DRESRGSVLEPEG
24191	Q13085	2203	QEKGVISSDILDWK
24192	Q13098	50	LEQYAASYSGLMR
24193	Q13098	52	QYAASYSGLMRIE
24194	Q13098	99	EIHRKLSEATRSS
24195	Q13098	104	LSEATRSSLRELQ
24196	Q13098	105	SEATRSSLRELQN
24197	Q13098	119	PDAIPESGVEPPA
24198	Q13098	156	KNYKGNSIKESIR
24199	Q13098	160	GNSIKESIRRHD

24200	Q13098	179	LDCGDL <u>S</u> NALKCY
24201	Q13098	186	NALKCY <u>S</u> RARDYC
24202	Q13098	194	ARDYCT <u>S</u> AKHVIN
24203	Q13098	209	LNVIKV <u>S</u> VYLQNW
24204	Q13098	216	VYLQNW <u>S</u> HVL SYV
24205	Q13098	220	NWSHV <u>L</u> SYVSKAE
24206	Q13098	223	HVL SYV <u>S</u> KAESTP
24207	Q13098	227	YVSKA <u>E</u> STPEIAE
24208	Q13098	240	QRGERD <u>S</u> QTQAIL
24209	Q13098	285	DFPELL <u>S</u> PSNVAI
24210	Q13098	312	LQRNVI <u>S</u> SSSFKL
24211	Q13098	313	QRNVIS <u>S</u> SSFKLF
24212	Q13098	314	RNVIS <u>S</u> SSFKLFL
24213	Q13098	315	NVISSSSFKLFLE
24214	Q13098	336	IIFKFYESKYASCL
24215	Q13098	340	YESKY <u>A</u> CLKMLD
24216	Q13098	379	ALIQYF <u>S</u> PYVSAD
24217	Q13098	383	YFSPYV <u>S</u> ADMHRM
24218	Q13098	414	ILEGLI <u>S</u> ARVDSH
24219	Q13098	419	ISARVDS <u>H</u> SKILY
24220	Q13098	421	ARVDSH <u>S</u> KILYAR
24221	Q13098	433	RDVDQRS <u>T</u> TFEKS
24222	Q13098	439	STTFEK <u>S</u> LLMGKE
24223	Q13115	13	LREMDCS <u>V</u> LKRLM
24224	Q13115	31	GGGAGGS <u>G</u> SHGTL
24225	Q13115	41	GTLGLP <u>S</u> GGKCLL
24226	Q13115	57	RPFLAH <u>S</u> AGYILG
24227	Q13115	64	AGYILG <u>S</u> VNVR CN
24228	Q13115	80	RRRAKG <u>S</u> VSLEQI
24229	Q13115	82	RAKGS <u>V</u> SLEQILP
24230	Q13115	99	VRARLRS <u>G</u> LYSAV
24231	Q13115	103	LRSGLY <u>S</u> AVIVYD
24232	Q13115	112	IVYDERS <u>P</u> RAESL
24233	Q13115	117	RSPRAE <u>S</u> LREDST
24234	Q13115	122	ESLRED <u>S</u> TVSLVV
24235	Q13115	125	REDSTV <u>S</u> LVQAL
24236	Q13115	151	GGYERF <u>S</u> SEYPEF
24237	Q13115	152	GYERFS <u>S</u> SEYPEFC
24238	Q13115	159	EYPEFC <u>S</u> TKALA
24239	Q13115	174	PPPVP <u>S</u> ATEPLD
24240	Q13115	185	LDLGCS <u>S</u> CGTPLH
24241	Q13115	229	TALLNV <u>S</u> SDCPNH
24242	Q13115	230	ALLNV <u>S</u> DCPNHF
24243	Q13115	257	HKADISSWFMEAI
24244	Q13115	318	QRRSIIS <u>P</u> NFSFM
24245	Q13115	322	IIISPNU <u>S</u> FMGQLL
24246	Q13115	332	QLLQFE <u>S</u> QVLATS
24247	Q13115	338	SQVLAT <u>S</u> CAAEEAA
24248	Q13115	345	CAAEAA <u>S</u> PSGPLR
24249	Q13115	347	AEAAS <u>P</u> SGPLRER
24250	Q13115	362	TPATPT <u>S</u> QFVF SF
24251	Q13115	376	VSVGVH <u>S</u> APSSL P
24252	Q13115	379	GVHSAP <u>S</u> SLPYLH
24253	Q13115	380	VHSAP <u>S</u> SLPYLHS
24254	Q13153	28	TMIGAG <u>S</u> KDAGTL
24255	Q13153	38	GTLNHG <u>S</u> KPLPPN
24256	Q13153	76	KERPEI <u>S</u> LPSDFE
24257	Q13153	79	PEISLPS <u>D</u> FEHTI

24258	Q13153	110	ARLLQT S NITKSE
24259	Q13153	133	VLEFYNS K KTSNS
24260	Q13153	137	YNSKK T SNSQKYM
24261	Q13153	139	SKKTS N SQKYMSF
24262	Q13153	155	SAEDYNS S NALNV
24263	Q13153	156	AEDYNSS N ALNVK
24264	Q13153	165	LNVKAV S ETPAVP
24265	Q13153	249	KKPKMS D EELIE
24266	Q13153	259	ILEKLRS I SVGVD
24267	Q13153	262	KLRSIV S VGDPKK
24268	Q13153	281	KIGQGAS G TVYTA
24269	Q13153	333	IVNYLDS Y LVGDE
24270	Q13153	351	EYLAGGS L TDVVT
24271	Q13153	382	ALEFLHS N QVIHR
24272	Q13153	392	IHRDIKS D NILLG
24273	Q13153	402	LLGMDGS V KLTDF
24274	Q13153	419	QITPEQS K RSTMV
24275	Q13153	422	PEQSKR S TMVGTP
24276	Q13153	449	PKVDIWS L GIMAI
24277	Q13153	491	QNPEKLS A IFRDF
24278	Q13153	511	DVEKRGS A KELLQ
24279	Q13153	528	KIAKPLS S LTPLI
24280	Q13153	529	IAKPLSS L TPLIA
24281	Q13158	10	FLVLLHS V SSSL
24282	Q13158	12	VLLHSV S SSLSSS
24283	Q13158	13	LLHSV S SSLSSSE
24284	Q13158	14	LHSVSSS L SSSEL
24285	Q13158	16	SVSSSL S SELTE
24286	Q13158	17	VSSSL S SELTEL
24287	Q13158	18	SSSLSSS E TELK
24288	Q13158	41	KLERVQS G DLFS
24289	Q13158	47	SGLDLF S MLLEQN
24290	Q13158	69	LRELLAS L RRHDL
24291	Q13158	122	ARQLKVS D TKIDS
24292	Q13158	128	SDTKIDS I EDRYP
24293	Q13158	144	TERVRES L RIWKN
24294	Q13158	167	LVGALRS C QMNLV
24295	Q13158	190	RDLQNRSGAMSPM
24296	Q13158	197	GAMSPMS W NSDAS
24297	Q13158	200	SPMSWNS D ASTSE
24298	Q13163	26	RIKIPNS G AVDWT
24299	Q13163	35	VDWTVHS G PQLLF
24300	Q13163	74	DRITVRS D EEMKA
24301	Q13163	83	EMKAML S YYSTV
24302	Q13163	87	MLSYYY S TVMEQQ
24303	Q13163	129	NTRAGPS Q HSSPA
24304	Q13163	132	AGPSQHS S PAVSD
24305	Q13163	133	GPSQHSS S PAVSDS
24306	Q13163	137	HSSPAV S DSLPSN
24307	Q13163	139	SPAVENT S LPSNSL
24308	Q13163	142	VSDSLPS N SLKKS
24309	Q13163	144	DSLPSNS L KKSSA
24310	Q13163	148	SNSLK K S A ELKK
24311	Q13163	149	NSLK K S A ELKKI
24312	Q13163	188	KAYHVPS G KILAV
24313	Q13163	211	LQKQIMS E LEILY
24314	Q13163	221	ILYKCDSS Y IIGFY
24315	Q13163	222	LYKCDSS Y IIGFY

24316	Q13163	238	FVENRISICTEFM
24317	Q13163	248	EFMDGGSLDVYRK
24318	Q13163	276	GLTYLWSLKILHR
24319	Q13163	287	HRDVKPSNMLVNT
24320	Q13163	305	LCDFGVSTQLVNS
24321	Q13163	329	MAPERISGEQYGI
24322	Q13163	337	EQYGIHSDVWSLG
24323	Q13163	341	IHSVDWSSLGISFM
24324	Q13163	345	VWSLGISFMELAL
24325	Q13163	365	IQKNQGSLMPLQL
24326	Q13163	380	CIVDEDSPVLPVG
24327	Q13163	389	LPVGEFSEPFVHF
24328	Q13163	431	GNAAVVSMWVCRA
24329	Q13164	14	EDGEDGSAEPPGP
24330	Q13164	31	PAHTAASVAAKNL
24331	Q13164	44	ALLKARSFDVTFD
24332	Q13164	70	GAYGVVSARRRL
24333	Q13164	132	PYGEFKSVYVLD
24334	Q13164	150	LHQIIHSSQPLTL
24335	Q13164	151	HQIIHSSQPLTLE
24336	Q13164	186	HRDLKPSNLLVNE
24337	Q13164	210	ARGLCTS PAEHQY
24338	Q13164	235	APELMLS LHEYTO
24339	Q13164	282	MVLGTPSPAVIQA
24340	Q13164	300	VRAYIQSLPPRQP
24341	Q13164	322	ADRQALSLLGRML
24342	Q13164	333	MLRFEP SARISAA
24343	Q13164	404	QIRFQPSLQPVAS
24344	Q13164	410	SLQPVASEPGCPD
24345	Q13164	460	QPPPVS EPAPPK
24346	Q13164	472	KKDGAISDNTCAA
24347	Q13164	489	LLKSLRSRLRDGP
24348	Q13164	496	RRLRDGPSAPLEAP
24349	Q13164	548	ERGAGASGGPSTD
24350	Q13164	552	GASGGPSTDPLAG
24351	Q13164	562	LAGLVLSDNDRSL
24352	Q13164	585	AAPALT SVPAPAP
24353	Q13164	604	TPVQPTS PPPGPV
24354	Q13164	620	TGPQPQSAGSTSG
24355	Q13164	623	QPQSAGSTSGPVP
24356	Q13164	679	PGLPGSSTPGVLP
24357	Q13164	720	TQQLSKS QVEDPL
24358	Q13164	772	GQADSASLSASILL
24359	Q13164	776	SASLSASLLADWL
24360	Q13164	794	NPADIESLQREIQ
24361	Q13164	803	REIQMDSPMLLAD
24362	Q13188	9	QPPAPKS KLKKLS
24363	Q13188	15	SKLKKLSEDLSLT
24364	Q13188	18	KKLSEDSLTKQPE
24365	Q13188	37	EKLGEGS YGSVFK
24366	Q13188	40	GEWSYGSVFKAIH
24367	Q13188	49	KAIHKES GQVVAI
24368	Q13188	62	KQVPVES DLQEII
24369	Q13188	72	EIIKEIS IMQQCD
24370	Q13188	79	IMQQCDS PYVVKY
24371	Q13188	88	VVKYYGS YFKNTD
24372	Q13188	106	EYCGAGSVSDIIR
24373	Q13188	108	CGAGSVSDIIRLR

24374	Q13188	129	IATILKSTLKGLE
24375	Q13188	206	CVADIWSLGITSI
24376	Q13188	211	WSLGITSIEMAEG
24377	Q13188	248	RKPELWSDDFTDF
24378	Q13188	285	KNAKPVSILRDLI
24379	Q13188	316	EEEEENSDEDELD
24380	Q13188	323	DEDELDSDHTMVKT
24381	Q13188	330	HTMVKTVESVGT
24382	Q13188	333	VKTSVESVGTMRA
24383	Q13188	341	GTMRATSSTMSEGA
24384	Q13188	344	RATSTMSEGAQTM
24385	Q13188	355	TMIEHNSSTMLES
24386	Q13188	360	NSTMLESDLGTMV
24387	Q13188	369	GTMVINSEDEEEE
24388	Q13188	385	MKRNATSPOVQRP
24389	Q13188	392	PQVQRPSFMDYFD
24390	Q13188	406	QDFKNKSHENCNQ
24391	Q13188	421	HEPFPMSSKNVFPD
24392	Q13188	444	DFLKNLSSLLELQM
24393	Q13191	70	KLQLKNSPPYILD
24394	Q13191	113	FKIYIDSLSMKKSK
24395	Q13191	137	RMYEEQSQDRRNLL
24396	Q13191	147	RNLTKLSSLIFSHM
24397	Q13191	208	HEVHQISSGLEAM
24398	Q13191	209	EVHQISSGLEAMA
24399	Q13191	218	EAMALKSTIDLTC
24400	Q13191	245	LFQPWGSILRNWN
24401	Q13191	277	ARLQKYSTKPGSY
24402	Q13191	324	QALIDGSREGFYL
24403	Q13191	395	GHLMCTSCLTAWQ
24404	Q13191	403	LTAWQESDGQGCP
24405	Q13191	480	QNSPVTSPGSSPL
24406	Q13191	503	LQIPHLSLPPVPP
24407	Q13191	532	PTGSPKSSPCMVR
24408	Q13191	572	PPDNRLSRHIHHV
24409	Q13191	580	HIHHVESVPSRDP
24410	Q13191	656	EGAKVFSNGHLGS
24411	Q13191	693	TGPLANSLSEKTR
24412	Q13191	695	PLANSLSEKTRDP
24413	Q13191	713	DEYKIPSSHGVSL
24414	Q13191	721	HPVSLNSQPSHCH
24415	Q13191	750	NGTHGPSSEKKSN
24416	Q13191	751	GTHGPSSEKKNSI
24417	Q13191	755	PSSEKKSNIPDLS
24418	Q13191	794	NPKHGSSLNRTPS
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24420	Q13191	841	HSKPPGSSSRPSS
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24422	Q13191	894	DYDQLPSCSDGSQ
24423	Q13191	896	DQLPSCSDGSQAP
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24429	Q13217	137	VLKSNPSENNEKE
24430	Q13217	146	EEKEAQSQLIKSD
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24436	Q13217	229	EAFYKISTLYYQL
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24438	Q13217	243	DHELSSLSEVRECL
24439	Q13217	289	RYTDATSKYESVM
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24442	Q13217	308	AEYTVRSKERICH
24443	Q13217	317	RICHCFSKDEKPV
24444	Q13217	330	EAIRVCSEVLQME
24445	Q13217	390	QRLLKQSQKRDYY
24446	Q13217	450	AAKEVLSDPREMRK
24447	Q13217	469	DPLDAESQQGGGG
24448	Q13217	481	GNPFHRSWNSWQG
24449	Q13217	484	FHRSWNSWQGFNP
24450	Q13217	492	QGFNPFSGGPFR
24451	Q13217	493	GFPNFSSGGPFR
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24453	Q13247	23	DIQRFFSGYGRLL
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24458	Q13247	155	GVIEFRSYSDMKR
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24522	Q13263	665	VPGEWS\$CSLCHV
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24540	Q13283	262	SKNLPPS\$GAVPVT
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24613	Q13309	254	LQTLLS S CS RL DE
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24617	Q13309	318	LVHLDL S DSVMLK
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24622	Q13310	32	MLYEKF S PAGP VL
24623	Q13310	39	PAGPVL S IRVC RD
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24684	Q13315	2812	MEVQKKS FEE KYE
24685	Q13322	9	LAGCPDS FLHH PY
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24693	Q13322	201	QLLVYKS HCVDDN
24694	Q13322	208	HCVDDNS WTLVEH
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24703	Q13322	317	YVCLRRS GLYCST
24704	Q13322	322	RSGLYC S TKGTSK
24705	Q13322	342	LADLED S NIFSLI
24706	Q13322	346	EDSNIFS LIAGRK
24707	Q13322	421	ALLSPF S TPVR SV
24708	Q13322	426	FSTPVRS VSEN SL
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24712	Q13322	499	WFHGRIS REES HR
24713	Q13322	522	LFLLRDS QSNPKA
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24721	Q13330	116	LSRQLES L PATHI

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24753	Q13342	109	EKTFGWSHLEALF
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24778	Q13342	741	MKESPGSQQCCQE
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24787	Q13363	167	QIREVAS GAARIR
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24790	Q13363	230	QDLLFHS DCVTILH
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24804	Q13371	40	RCAPASS SVPAEA
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24807	Q13371	92	RLIK KLSMTCRSH
24808	Q13371	97	LSMTCRS HLDSEE
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24818	Q13371	288	LTSVRNS ATCHSE
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24840	Q13421	262	GQPIIRS I PQGIV
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24848	Q13421	451	YPGYLC S LSPEEL
24849	Q13421	458	LSPEELS S VPPSS
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24854	Q13421	520	EDLKALS QQ NVSM
24855	Q13421	525	LSQQNV S MDLATF
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24857	Q13421	606	SMQEALS G TPCLL
24858	Q13422	10	DEGQDMS Q VSGKE
24859	Q13422	17	QVSGKES P PVSDT
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24863	Q13422	47	SGGQQ S SKSDRVV
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24865	Q13422	95	GEKMNG S HRDQGS
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24867	Q13422	138	LMVHKRS H TEGERP
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24874	Q13422	276	NVAKRKS S MPQKF
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24878	Q13422	326	NYLGAES L RPLVQ
24879	Q13422	338	QTTPGG S EVVPVI
24880	Q13422	368	NHSAQDS A VENLL
24881	Q13422	377	ENLLL L KAKLVP
24882	Q13422	384	KAKLVP S EREASP
24883	Q13422	402	DSTDTE S NNEEQR
24884	Q13422	427	HARNG L SLKEEHHR
24885	Q13422	455	LRVVSTS G EQMKV
24886	Q13422	499	NMCGYHS Q DRYEF
24887	Q13422	506	QDRYEF S SHITRG
24888	Q13422	507	DRYEFSS H ITRGE
24889	Q13426	12	SRIHLV S EPSITH
24890	Q13426	15	HLVSEPS I THFLQ
24891	Q13426	23	THFLQV S WEKTLE
24892	Q13426	30	WEKTLES G FVITL
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24899	Q13426	92	FNFSKE S CYFFE
24900	Q13426	105	KNLKDV S FRLGSF
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24915	Q13426	315	SKKEH I S AENMSL
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24917	Q13444	20	AGSPLP S WPLPNI
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24922	Q13444	186	ALSWRE S VHTQKP
24923	Q13444	308	QLVTGT S FSGPTV
24924	Q13444	324	IQNSIC S PDFSGG
24925	Q13444	328	ICSPDF S GGVNMD
24926	Q13444	338	NMDHST S ILGVAS
24927	Q13444	381	TCIMEA S TDFLPG
24928	Q13444	391	LPGLNF S NCSRRA
24929	Q13444	394	LNFNSNC S RRALEK
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24931	Q13444	463	PGAQC A S D GPCCQ
24932	Q13444	476	NCQLRP S GWQCRP
24933	Q13444	497	EFCPGD S SQCPPD
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24940	Q13444	621	VHLDL G S D VQAQPL
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24943	Q13444	714	LVMLG A S Y WYRAR
24944	Q13444	762	RGTKQ A SALSFP
24945	Q13444	765	KQASAL S FPAPPB
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24947	Q13444	806	ADPVVRS P KSQGP
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25005	Q13526	111	SLASQFS DCSSAK
25006	Q13526	114	SQFSDCS SAKARG
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25009	Q13526	138	KPFEDAS FALRTG
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25285	Q13614	477	HADADRSPVFLQF
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25287	Q13614	560	PLYGSYSNHVLYP
25288	Q13614	622	REISNRSTSSSER
25289	Q13614	624	ISNRSTSSSERAS
25290	Q13614	625	SNRSTSSSERASS
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25294	Q13627	49	RRQPNISDQQVSA
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25298	Q13627	163	DRYEIDSЛИGKGS
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25304	Q13627	494	NTSNSV S TSPAME
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25307	Q13627	510	SSGTT S STSSSG
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25310	Q13627	514	TSSTSSS S GGSSG
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25312	Q13627	522	GGSSGT S NSGRAR
25313	Q13627	555	MDCETH S PQVRQQ
25314	Q13627	605	HHHHGN S HHHHH
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25318	Q13627	645	SSSTQD S MEVGHS
25319	Q13627	657	SHHSMT S LSSSTT
25320	Q13627	660	SMTSLS S STTSSS
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25322	Q13627	671	SSTSSSS T GNQGN
25323	Q13637	40	LGVGKT S IIKRYV
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25325	Q13637	71	KVLNWD S RTLVLRL
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25328	Q13637	112	FDISRS S STFEAVL
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25330	Q13637	126	WKSDLDS K VHLPN
25331	Q13637	134	VHLPNG S PIPAVL
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25583	Q14118	467	RVTTKV S ITRLET
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25702	Q14164	521	ETQESLS\$LNREL
25703	Q14164	522	TQESLSS\$LNRELV
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25712	Q14164	695	GMKLLASDLLDNN
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25714	Q14194	14	SIPHITSDRLLIK
25715	Q14194	30	IINDDQSLYADVY
25716	Q14194	80	TYLQKPSQGMTAA
25717	Q14194	114	VVPEPGSSLLTSF
25718	Q14194	115	VPEPGSSLTSFE
25719	Q14194	119	GSSLTSFEKWHE
25720	Q14194	131	EAADTKSCCDYSL
25721	Q14194	136	KSCCDYSLHVDIT
25722	Q14194	143	LHVDITSWYDGVR
25723	Q14194	163	QDKGVNSFQVYMA
25724	Q14194	177	KDVKQMSDSQLYE
25725	Q14194	179	VYQMSDSQLYEAF
25726	Q14194	226	PEGHALSRPEELE
25727	Q14194	257	YITKVMSKSAADI
25728	Q14194	259	TKVMSKSAADIIA
25729	Q14194	282	GEPIAASLGTDTG
25730	Q14194	292	DGTHYWSKNWAKA
25731	Q14194	304	AAAFVTSPPLSPD
25732	Q14194	331	DLQVTGSGHCPYS
25733	Q14194	337	SGHCPYSTAQKAV
25734	Q14194	385	QFVAVTSSTNAAKI
25735	Q14194	405	GRIAVGSADVVI
25736	Q14194	427	TAKSHKSAYEYNI
25737	Q14194	442	GMECHGSPLVVIS
25738	Q14194	448	SPLVVISQGKIVF
25739	Q14194	495	FGLQGVSRGMYDG
25740	Q14194	518	YATPAPSAKSSPS
25741	Q14194	521	PAPSAKSSPSKHQ
25742	Q14194	522	APSAKSSPSKHQP
25743	Q14194	524	SAKSSPSKHQPPP
25744	Q14194	540	LHQSNFLSLGAQI
25745	Q14194	542	QSNFSLSGAQIDD
25746	Q14207	83	NVPAIMSSLWKKL
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25748	Q14207	308	PSEIHMSSEEAIQD
25749	Q14207	344	KNNKNISQSISSEQ
25750	Q14207	354	SSQPMESNPSIVL
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25752	Q14207	514	PITSFVSLGCEAN
25753	Q14207	554	SQFCENSNDTVKL
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25755	Q14207	603	DNSCLQSEILPVS
25756	Q14207	612	LPVSVESHLNVS
25757	Q14207	628	EIHLGDSLSSTKQ
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25759	Q14207	636	SSTKQPSNDSASV
25760	Q14207	705	HSLPPEVCSSVG
25761	Q14207	761	ELTSAVSSINGEN
25762	Q14207	822	TFKSED\$AVNNTQ
25763	Q14207	923	AVNQAVSPNFSQG
25764	Q14207	930	PNFSQGSAILIAS
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25778	Q14242	66	PEMLRNSTDTTPL
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25822	Q14247	345	PVEAVTSKTSNIR
25823	Q14247	348	AVTSKTSNIRANF

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25828	Q14247	438	SYRGPVSGTEPEP
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25845	Q14289	399	ESCSIESDIYAEI
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25922	Q14393	181	PGSFHCSCHSFGE
25923	Q14393	189	HSGFELSSDGRTC
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25948	Q14393	706	EAAYKHSGITAH
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25971	Q14457	421	IKTQFNSEEQWTK
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25975	Q14493	28	PSPARWSLGRKRR
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26098	Q14526	191	IQACYPSPVGPPP
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26147	Q14527	635	GLRRLQSLIKNIT
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26595	Q14766	88	ERTRRTSKPGGAA
26596	Q14766	141	GRQVVR S KVPQET
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26615	Q14766	1321	DENQEYS P M T GQC
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26617	Q14766	1332	QC R SRT S TDLDVD
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26621	Q14766	1502	PMVLDAS E KRCIR
26622	Q14766	1674	ELNNRMS L CKNAK
26623	Q14766	1699	LPGYVPS D KPNYC
26624	Q14790	16	IGEQLD S EDLASL
26625	Q14790	21	DSEDLAS L KFLSL
26626	Q14790	26	ASLKFLS D YIPQ
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26632	Q14790	115	SEEVS R SELRSFK
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27006	Q15027	323	VKLCPD S ERRFCF
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27020	Q15027	563	SKPEPPS E DLGSL
27021	Q15027	568	PSEDLG S LHPGAL
27022	Q15027	720	DIFRDFS L MASDD
27023	Q15027	724	DFSLMAS D DEKL
27024	Q15027	731	DDPEKL S RRSHDL
27025	Q15046	14	EVKVDG S EPKLSK
27026	Q15046	19	GSEPKL S KNELKR
27027	Q15046	44	AKQKEL S EKQLSQ
27028	Q15046	49	LSEKQL S QATAAA
27029	Q15046	70	VGPEEE S VDPNQY
27030	Q15046	81	QYYKIRS Q AIHQL
27031	Q15046	104	KFHVDIS L TDFI
27032	Q15046	113	DFIQKY S HLQPGD
27033	Q15046	138	IHAKRASGGKLIF
27034	Q15046	160	LQVMANS R NYKSE
27035	Q15046	165	NSRNYK S EEEFIH
27036	Q15046	197	TKKGELS I IPYEI
27037	Q15046	207	YEITLLS P CLHML
27038	Q15046	248	QKFIIRS K IITYI
27039	Q15046	256	IITYIIRS F LDELG
27040	Q15046	359	ITEKMVS G MVKHI
27041	Q15046	368	VKHITGS Y KVTYH

27042	Q15046	470	DHPQIMSPLAKWH
27043	Q15046	478	LAKWHRSGKEGLTE
27044	Q15046	561	AMFLTDSNNIKEV
27045	Q15050	42	LGNLLASDRNPPT
27046	Q15050	137	LWWDDEVSGQWRRL
27047	Q15050	203	HKMQLPSAAGLHP
27048	Q15050	214	HPTGHQSKEELGR
27049	Q15050	228	MQVAKVSTASVGR
27050	Q15050	231	AKVSTASVGRFQE
27051	Q15050	248	EKVRGSGKKRKF
27052	Q15050	277	LLRVMNSKKPQLD
27053	Q15050	307	AKRRKMSQKGKRK
27054	Q15050	329	RKGGPPSQGGKRK
27055	Q15050	344	LGGMNNSGPPGLG
27056	Q15054	27	VTYKWLSTYTLGVH
27057	Q15054	64	HVTYLVS GSLIQN
27058	Q15054	66	TYLVSGSLIQNGH
27059	Q15054	73	LIQNGHSCHKVAV
27060	Q15054	97	KLAVTASIHVYSI
27061	Q15054	102	ASIHVYSIQKAML
27062	Q15054	111	KAMLKDGSPLFNT
27063	Q15054	124	DYDILKSNLQNCS
27064	Q15054	151	PAESSSSSKKFEQ
27065	Q15054	158	SKKFEQSHLHMSS
27066	Q15054	163	QSHLHMSSETQAN
27067	Q15054	164	SHLHMSSETQANN
27068	Q15054	182	GHGPPASQVSVQQ
27069	Q15054	186	PASKQVSSQPKGI
27070	Q15054	198	IMGMFASKAAKT
27071	Q15054	222	KEVTNASAAGNKA
27072	Q15054	236	GKGNMMSNFFGKA
27073	Q15054	269	VEQPTVSVTEPKL
27074	Q15054	284	PAGLKKS SKKAEP
27075	Q15054	331	KLPESDS SEDEVF
27076	Q15054	332	LPESDSSEDEVFP
27077	Q15054	340	DEVFPDSSPGAYEA
27078	Q15054	348	GAYEAESPSPPPP
27079	Q15054	350	YEAESPSPPPPS
27080	Q15054	356	SPPPPSPPLEPV
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27084	Q15054	407	TEKVYESESECTDS
27085	Q15054	409	KVYESESCTDSEE
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27087	Q15054	422	ELNMKTS SVHRPP
27088	Q15054	458	KANRQVSI TGFFQ
27089	Q15056	13	YDDRAYSFGGGR
27090	Q15056	14	DDRAYSSFGGGRG
27091	Q15056	21	FGGGRGSRGSAGG
27092	Q15056	24	GRGSRGSAAGHGS
27093	Q15056	30	SAGGHGSRSQKEL
27094	Q15056	32	GGHGSRSQKELPT
27095	Q15056	66	AIFKDLS IRSVRL
27096	Q15056	69	KDLSIRS VRLVRD
27097	Q15056	94	EFDEVDSLKEALT
27098	Q15056	110	ALLGDRS LRVNDIA
27099	Q15056	140	DDRGMGS SRESRG

27100	Q15056	141	DRGMGSSRESRGG
27101	Q15056	144	MGSSRESRGGWDS
27102	Q15056	150	SRGGWDSRDDFNS
27103	Q15056	156	SRDDFNSGFRDDF
27104	Q15056	169	LGGRGGSRPGDRR
27105	Q15056	182	TGPPMGSRFRDGP
27106	Q15056	193	GPPLRGSNMDFRE
27107	Q15056	230	QVANPNSAIFGGA
27108	Q15078	10	VLSLSPSYRKATL
27109	Q15078	33	YTAVQNSKNAKDK
27110	Q15078	45	KNLKRHSIISVLP
27111	Q15078	48	KRHSIISVLPWKR
27112	Q15078	59	KRIVAVSAKKKNS
27113	Q15078	65	SAKKKNSKKVQPN
27114	Q15078	72	KKVQPNSSYQNNI
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27116	Q15078	89	NENLKKSLSCANL
27117	Q15078	91	NLKKSLSCANLST
27118	Q15078	96	LSCANLSTFAQPP
27119	Q15078	112	PPAPPASQLSGSQ
27120	Q15078	115	PPASQLSGSQTGG
27121	Q15078	117	ASQLSGSQTGGSS
27122	Q15078	123	SQTGGSSSVKKAP
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27125	Q15078	149	IVQASTSELLRCL
27126	Q15078	170	YRLKHLSPTDPVL
27127	Q15078	184	LRSVDRSLLLQGW
27128	Q15078	213	LCDRVISSSEVGSD
27129	Q15078	214	CRDVISSEVGSDH
27130	Q15078	218	ISSEVGSDHELQA
27131	Q15078	233	LTCLYLSSYMGMN
27132	Q15078	235	CLYLSYSYMGNEI
27133	Q15078	242	YMGNEISYPLKPF
27134	Q15078	252	KPFLVESCKEAFW
27135	Q15078	263	FWDRCLESVINLMS
27136	Q15078	269	SVINLMSKMLQI
27137	Q15078	270	VINLMSSKMLQIN
27138	Q15078	287	YFTQVFSDLKNES
27139	Q15080	11	QQLRAESDFEQLP
27140	Q15080	23	PDDVAISANIADI
27141	Q15080	37	EKRGFTSHFVFVI
27142	Q15080	51	VTKGGSKYLIYR
27143	Q15080	67	QFHALQSKLEERF
27144	Q15080	77	ERFGPDSSKSSALA
27145	Q15080	79	FGPDSSKSALACT
27146	Q15080	80	GPDSKSSALACTL
27147	Q15080	115	LNAYMKSLLSLPV
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27154	Q15080	185	FDFTGNSKLELNF
27155	Q15080	201	DVIFLLSRINKDW
27156	Q15080	222	TGIFPLSFVKILK
27157	Q15080	250	YYEDTISTIKDIA

27158	Q15080	262	AVEEDLSSTPLLK
27159	Q15080	263	VEEDLSSSTPLKD
27160	Q15080	299	DLVRLLSDEDVAL
27161	Q15084	10	LVLGLVSCTFFLA
27162	Q15084	22	AVNGLYSSSDDVI
27163	Q15084	23	VNGLYSSSDDVIE
27164	Q15084	24	NGLYSSSDDVIEL
27165	Q15084	33	VIELTPSNFNREV
27166	Q15084	42	NREVIQSDSLWLV
27167	Q15084	44	EVIQSDSLWLVEF
27168	Q15084	88	DADKHHSLGQQYG
27169	Q15084	106	TIKIFGSNKNRPE
27170	Q15084	143	DRLGGRSGGYSSG
27171	Q15084	147	GRSGGYSSGKQGR
27172	Q15084	148	RSGGYSSGKQGRS
27173	Q15084	154	SGKQGRSDSSKK
27174	Q15084	157	QGRSDSSSKDVI
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27176	Q15084	169	IELTDDSFDKNVL
27177	Q15084	177	DKNVLDSEDVWMV
27178	Q15084	205	EWAAAASEVKEQT
27179	Q15084	230	VNQVLASRYGIRG
27180	Q15084	248	IFQKGESPVYDG
27181	Q15084	259	DGGRTRSDIVSRA
27182	Q15084	263	TRSDIVSRALDLF
27183	Q15084	270	RALDLFSDNAPPP
27184	Q15084	315	GAAGRNSYLEVLL
27185	Q15084	343	TEAGAQSELETAL
27186	Q15084	375	FALLKGSFSEQGI
27187	Q15084	377	LLKGFSSEQGINE
27188	Q15084	389	EFLRELSFGRGST
27189	Q15084	394	LSFGRGSTAPVGG
27190	Q15118	25	LRAAGFSRSFSSD
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27192	Q15118	30	FSRSFSSDSGSSP
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27195	Q15118	35	SSDSGSSPASERG
27196	Q15118	38	SGSSPASERGVPG
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27198	Q15118	55	YARFSPSPLSMKQ
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27201	Q15118	75	NACEKTSFMFLRQ
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27205	Q15118	117	QSWYIQLQELLD
27206	Q15118	128	LDFKDKSaedaka
27207	Q15118	166	VIEYKESFGVDPV
27208	Q15118	187	LDRFYMSRISIRM
27209	Q15118	190	FYMSRISIRMLLN
27210	Q15118	199	MLLNQHSSLFGGK
27211	Q15118	209	GGKGKGSPSHRKH
27212	Q15118	211	KGKGSPSHRKHIG
27213	Q15118	247	DLYYINSPELELE
27214	Q15118	259	EELNAKS PGQPIQ
27215	Q15118	271	QVVYVPSHLYHMV

27216	Q15118	317	DLTVKMSDRGGGV
27217	Q15118	337	LFNYMYSRAPRPR
27218	Q15118	347	RPRVETSRAVPLA
27219	Q15118	362	GYGLPI\$RLYAQY
27220	Q15118	377	GDLKLY\$LEGYGT
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27222	Q15118	396	KALSTD\$IERLPV
27223	Q15139	31	AALVPG\$GPGPAP
27224	Q15139	50	APVGGISFHLQIG
27225	Q15139	58	HLQIGL\$REPVL
27226	Q15139	69	LLLQDSSGDYSLA
27227	Q15139	73	DSSGDY\$LAHVRE
27228	Q15139	134	LIEVVL\$ASATFE
27229	Q15139	197	KIPNNCSGVRRRR
27230	Q15139	219	STIRTSSAELSTS
27231	Q15139	235	EPLLQKS\$PSESFI
27232	Q15139	265	LDKILMSKVVP
27233	Q15139	277	HTFVIHSYTRPTV
27234	Q15139	337	LSPGAESDVME
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27236	Q15139	379	AECQNDSGEMQDP
27237	Q15139	421	HTKRKSS\$TVMKEG
27238	Q15139	460	FQNDTG\$RYYKEI
27239	Q15139	469	YKEIPL\$EILSLE
27240	Q15139	512	NVVNPSS\$PSPNNS
27241	Q15139	522	NNSVLTS\$GVGADV
27242	Q15139	563	HRDISVS\$ISVSNC
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27244	Q15139	567	SVSISVSNCQIQE
27245	Q15139	578	QENVDIS\$TVYQIF
27246	Q15139	716	ENVLLASADPFPO
27247	Q15139	763	NKGYNRS\$LDMWSV
27248	Q15139	768	RSLDMW\$VGVIYY
27249	Q15139	809	NPWKEIS\$HEAIDL
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27251	Q15139	888	THLINPSASHSDT
27252	Q15139	890	LINPSASHSDTPE
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27254	Q15147	52	FFLTWR\$EGKEGQ
27255	Q15147	63	GQVLECS\$LINSIR
27256	Q15147	70	LINSIRS\$GAIPKD
27257	Q15147	102	RIVCVCS\$GTDLVN
27258	Q15147	131	WVEGLRS\$IIHNFR
27259	Q15147	168	GKIPVRS\$ITRTFA
27260	Q15147	193	KELGLPS\$GKNDEI
27261	Q15147	288	KKKGLIS\$SDGFCR
27262	Q15147	289	KKGLISS\$DGFCRY
27263	Q15147	298	FCRYLMS\$DENAPV
27264	Q15147	407	EYPVILS\$FENHCS
27265	Q15147	413	SFENHCS\$KYQQYK
27266	Q15147	439	LKQALE\$HPLEPG
27267	Q15147	486	MMEAGES\$ASPA
27268	Q15147	488	EAGESAS\$PANILE
27269	Q15147	503	NEEEIES\$ADQEEE
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27271	Q15147	566	NIHPYL\$TMINYA
27272	Q15147	631	KGGRVDS\$SNYMPQ
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27274	Q15147	648	AGCQMVS L NYQTP
27275	Q15147	670	KFEYNGSCGYLLK
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27277	Q15147	860	AMGIET S DIADVP
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27279	Q15147	890	NVTPQSS S ELRPT
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27308	Q15149	3491	RTLLQGS G CLAGI
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27311	Q15149	3730	LWEVMQS D LIPEE
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27314	Q15149	4221	EILTDPS DD TKGF
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27318	Q15170	14	NEE P QSRPRPMR
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27320	Q15170	52	RSSFLRS S C L SSC
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27322	Q15170	56	LRSSC L SCLRCS
27323	Q15170	57	RSSC L SSCLR C SS
27324	Q15170	62	SSCLRCS S SRRTPS
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27327	Q15170	72	TPSAGL S RKD L FE
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27330	Q15170	121	IHGRNL S NEEMIQ
27331	Q15185	24	EFCVEDS K DVN V N

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27333	Q15185	39	KSKLTFSCLGGS
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27349	Q15208	222	DNLLLDSKGHVKL
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27360	Q15208	408	KSIDDT\$NFDEFP
27361	Q15208	416	FDEFPES\$DILKPT
27362	Q15208	426	KPTVAT\$NHPETD
27363	Q15287	21	KENNKK\$STRAPS
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27399	Q15291	85	HKLVSAS T DNIVS
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27401	Q15291	108	QRFRFPS P ILKVQ
27402	Q15291	138	PVMLTLS D SKHVV
27403	Q15291	140	MLTLS D KHVLP
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27405	Q15291	158	DLNVVAS F DRRGE
27406	Q15291	182	LVLKTDS Q DLVAS
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27423	Q15291	479	VKGDGKS KK QAG
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27436	Q15303	40	NKLSSL S DLEQQY
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27438	Q15303	79	DLSFLRS V REVTG
27439	Q15303	179	SNLTLV S TNGSSG
27440	Q15303	227	CYGPYVS D CCCHRE
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27442	Q15303	311	VRACPSS K MEVEE
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27453	Q15303	679	VYVRRKSICKKRA
27454	Q15303	774	EALIMASMDPHL
27455	Q15303	817	HKDNIGSQLLNW
27456	Q15303	853	RNVLVKSPNHVKI
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27458	Q15303	963	WMIDADSRPKFKE
27459	Q15303	975	ELAAEFSRMARDP
27460	Q15303	997	DRMKLPSPNDSKF
27461	Q15303	1046	RIDSNRSEIGHSP
27462	Q15303	1129	SSTQRYSADPTVF
27463	Q15303	1140	VFAPERSPRGELD
27464	Q15303	1228	LKNNILSMPEKAK
27465	Q15303	1251	HSLPPRSTLQHPD
27466	Q15303	1263	DYLQEYSTKYFYK
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27468	Q15334	184	PGEVLRSPVDDYR
27469	Q15334	227	VIWNQASQCVDHI
27470	Q15334	242	GNQQLESLCWGRD
27471	Q15334	250	CWGRDSSTVVSSH
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27473	Q15334	348	DFFTvhSTRPEDE
27474	Q15334	392	YLAPLHSAITCS
27475	Q15334	398	SSAITCSAHVASV
27476	Q15334	403	CSAHVASVPAKLW
27477	Q15334	425	QSPQPVSALSWP
27478	Q15334	429	PVSSALSWPITGG
27479	Q15334	553	PVEQAVSVAILDL
27480	Q15334	630	FDYQRKS PVLARC
27481	Q15334	659	VKSLKKSLRQSFR
27482	Q15334	714	RRIEPRSADDLS
27483	Q15334	718	PRSADDSSLGVVR
27484	Q15334	720	SADDLSGVVRCL
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27486	Q15334	751	AGTNNSGVFAYAL
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27488	Q15334	902	RPQVHYSCIRKED
27489	Q15334	910	IRKEDISGIASCV
27490	Q15334	914	DISGIASCVFTRH
27491	Q15334	928	QGFYLISPSEFER
27492	Q15334	948	ITEPLCSLDINWP
27493	Q15334	978	QANGTPSILLAPQ
27494	Q15334	985	ILLAPQSLDGSPD
27495	Q15334	989	PQSLDGSPDPAHS
27496	Q15334	1009	PPEAALSPMSIDS
27497	Q15334	1040	VKDFLGSSEESEK
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27499	Q15370	22	TDAKESSTVFELK
27500	Q15370	64	GECGFTSQTARPQ
27501	Q15370	94	LCIEPFSSPPELP
27502	Q15370	95	CIEPFSSPPELPD
27503	Q15370	108	VMKPQDSGSSANE
27504	Q15370	110	KPQDSGSANEQA
27505	Q15398	8	SSSHFASRHRKDI

27506	Q15398	28	KIAHRK S LSQLKEN
27507	Q15398	30	AHRKSL S QKENRH
27508	Q15398	155	SVRITRS K AKDQM
27509	Q15398	202	QPVMPT S LRMTRS
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27511	Q15398	221	QVPRTVS S TTARK
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27513	Q15398	273	EENTLNS Q TNATS
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27516	Q15398	332	TPMTPRS A NAFLT
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27543	Q15424	163	QESLSDS R ELVEG
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27545	Q15424	247	FAQDTSS V GPDRK
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27547	Q15424	322	PAVEQSS A ASELA
27548	Q15424	331	SELAEAS E ELAE
27549	Q15424	332	ELAEAS S SEELAE
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27575	Q15427	155	FASFDASDAAIEA
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27579	Q15427	202	AAQNPLSQADRPH
27580	Q15427	219	DAPPSSAPNPVV
27581	Q15427	226	APNPVVSILGSGL
27582	Q15427	227	PNPVVSSLGSLP
27583	Q15427	230	VVSSLGSGLPPPG
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27585	Q15427	277	AGHGPPSAGTPGA
27586	Q15427	291	HPGHGHSHPHPF
27587	Q15427	307	MHPGMSQMQLAH
27588	Q15427	329	HAGPPGSQQPPP
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27592	Q15428	19	SGGVASSSESNRD
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27597	Q15428	125	VTKQRDSEMGQQS
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27601	Q15428	222	KPPAPPSSLPAGPP
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27606	Q15428	369	GVHPPPSAGVHPQ
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27615	Q15485	189	LTAQGTSELRVDL
27616	Q15485	209	QFAKYRSFKVADE
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27618	Q15485	234	EGSAGDSSLTFHNN
27619	Q15485	242	TFHNNQSFSTKDQ
27620	Q15485	244	HNNQSFSTKDQDN
27621	Q15485	273	YKNCHVSNLNNGRY

27622	Q15485	286	LRGTHGSFANGIN
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27624	Q15485	302	GKG Y NSYKVSEM
27625	Q15545	14	APHELESQFILRL
27626	Q15545	26	LPPEYAS T VRRAV
27627	Q15545	34	VRRAVQS G HVN L K
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27630	Q15545	97	ICQMLVS T VDGDL
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27632	Q15545	119	STDPKAS K KDKD
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27636	Q15545	201	QGLDISSPGMSGH
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27682	Q15637	272	Q S S E T R S I T N T T V
27683	Q15637	290	G A G H I A S D C K F Q R
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27688	Q15637	357	N N P P P P S L M S T T Q
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27725	Q15648	1079	M V G K P S S H S Q Y T S
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27741	Q15653	45	ELGPGLSWAPLVF
27742	Q15653	81	DFLLGFSAGTEYM
27743	Q15653	108	AILGETSTVEKLY
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27745	Q15653	243	EPTCGRSPHLAV
27746	Q15653	280	GRTPLGSAMLRPN
27747	Q15653	308	EGEDEKSGPCSSS
27748	Q15653	312	EKGPCSSSDSD
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27756	Q15654	51	NFCPLPSEQCYQA
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27774	Q15654	343	EKCATCSQPILDR
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27783	Q15691	16	VTSDNLSRHDMLA
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27793	Q15717	41	ELRSLFSSIGEVE
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27870	Q15750	116	FDVVER S FLESID
27871	Q15750	130	ALAEKA S LQSQLP
27872	Q15750	163	TLERE I SGGAMAV
27873	Q15750	193	RALLCK S TVDGLQ
27874	Q15750	219	DELFR L SQLGLDA
27875	Q15750	259	TDIDLL S AAKS
27876	Q15750	263	LLSAAK S KPIIAE
27877	Q15750	289	GFLVLM S EGLYKA
27878	Q15750	339	RVKRIH S DTFASG
27879	Q15750	344	HSDTFA S ggerar
27880	Q15750	373	YPLGEMS Q PTPSP
27881	Q15750	391	GRVYPV S VPYSSA
27882	Q15750	395	PVSVPY S SAQSTS
27883	Q15750	396	VSVPYSS A QSTS
27884	Q15750	399	PYSSAQ S TSKTSV
27885	Q15750	401	SSAQSTS K TSVT
27886	Q15750	404	QSTS K TSVTL
27887	Q15750	413	LSLVMP S QGQMVN
27888	Q15750	445	PTLTLQ S TNTHTQ
27889	Q15750	452	TNTHTQ S SSSSSD
27890	Q15750	453	NTHTQ S SSSSDG
27891	Q15750	455	HTQSSSS S SDGGL
27892	Q15750	457	QSSSSSS D GLFR
27893	Q15750	469	RSRPAH S LPPGED
27894	Q15788	8	SGLGDSS S DPANP
27895	Q15788	227	MQCFTV S QPKSIQ
27896	Q15788	231	TVSQPK S IQEDGE
27897	Q15788	261	AITGVE S FMTKQD
27898	Q15788	278	IISIDT S SLRAAG
27899	Q15788	324	MTRGTAS S PSYRF
27900	Q15788	389	IIPRVNP S VNPSIS
27901	Q15788	430	SDLHSSSSHSNNSN
27902	Q15788	437	HSNSSNS Q GSFGC
27903	Q15788	468	SQSSNPS L NNNS
27904	Q15788	482	MEGTGI S LAQFMS
27905	Q15788	488	SLAQFMS P RRQVT
27906	Q15788	516	PNISTL S SPVGMT
27907	Q15788	534	NNNRSY S NIPVTS
27908	Q15788	602	IQSND S SDGKPL
27909	Q15788	610	DGKPLD S GLHNN
27910	Q15788	664	LSCTGT S NSASAN
27911	Q15788	666	CTGTS S ASANSS

27912	Q15788	668	GTSNSASANSGG
27913	Q15788	730	QVQGNSSIKLELD
27914	Q15788	762	DEKDLRSTPNLSL
27915	Q15788	853	SEILPASLQSATA
27916	Q15788	910	SEDQCISSQLDEL
27917	Q15788	970	GGLDVLSERFPPQ
27918	Q15788	1092	VGINMRSGMQQQI
27919	Q15788	1197	AANPEASLANRNS
27920	Q15788	1254	SLSPGSSMVPMPI
27921	Q15788	1265	PIPPPQSLLQQT
27922	Q15788	1275	QQTPPASGYQSPD
27923	Q15788	1372	LYCNQLSSTDLLK
27924	Q15788	1433	PQAQQKSLLQQLL
27925	Q15796	21	LLGWKKSAAGGSGG
27926	Q15796	25	KKSAGGSGGAGGG
27927	Q15796	47	CEKAVKS LVKKLK
27928	Q15796	79	KCVTIPS TCSEIW
27929	Q15796	82	TIPSTCSEIWGLS
27930	Q15796	88	SEIWGLS TPNTID
27931	Q15796	103	DTTGLYSFSEQTR
27932	Q15796	105	TGLYSFSEQTRSL
27933	Q15796	110	FSEQTRS LDGRLQ
27934	Q15796	118	DGRLQVS HRKGLP
27935	Q15796	139	RWPDLHS HHELKA
27936	Q15796	199	LDDYTHS IPENTN
27937	Q15796	214	AGIEPQS NYI PET
27938	Q15796	227	PPPGYI SEDGETS
27939	Q15796	233	SEDGETS DQQLNQ
27940	Q15796	260	LSPVNHS LDLQPV
27941	Q15796	269	LQPVTYSEPAFWC
27942	Q15796	276	EPAFWCS IAYYEL
27943	Q15796	293	GETFHAS QPSLT
27944	Q15796	296	FHASQPS LTVDGF
27945	Q15796	306	DGFTDPS NSERFC
27946	Q15796	308	FTDPSNS ERFC LG
27947	Q15796	317	FCLGLLS NVNRNA
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27949	Q15796	353	AECLSDS AIFVQS
27950	Q15796	359	SAIFVQS PNCNQR
27951	Q15796	397	AALLAQSVNQGFE
27952	Q15796	417	MCTIRMS FVKGWG
27953	Q15796	433	RRQTVTSTPCWIE
27954	Q15831	19	TEGELMS VGMDTF
27955	Q15831	59	DLLGEGS YGKVKE
27956	Q15831	69	VKEVLDS SETLCRR
27957	Q15831	142	MQEMLDS VPEKRF
27958	Q15831	169	GLEYLHS QGIVHK
27959	Q15831	193	GGTLKIS DLGVAE
27960	Q15831	213	DDTCRTS QGSPAF
27961	Q15831	216	CRTSQGS PAFQPP
27962	Q15831	232	NGLDTFS GFKVDI
27963	Q15831	240	FKVDIWS AGVTLY
27964	Q15831	271	ENIGKGS YAI PGD
27965	Q15831	283	DCGPPLS DLLKGM
27966	Q15831	299	EPAKRF S IRQIRQ
27967	Q15831	307	RQIRQHS WFRKKH
27968	Q15831	334	TKDRWRS MTVVVPY
27969	Q15831	378	VPEEEAS HNGQRR

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27971	Q15831	404	AQLSTKSRAEGRA
27972	Q15831	419	PARKACASSKIR
27973	Q15831	421	RKACSASSKIRRL
27974	Q15831	422	KACSASSKIRRLS
27975	Q15835	13	ETVVANSAFIAAR
27976	Q15835	25	RGSFDGSSSQPSR
27977	Q15835	26	GSFDGSSSQPSRD
27978	Q15835	27	SFDGSSSQPSRDK
27979	Q15835	30	GSSSQPSRDKKYL
27980	Q15835	45	LKLPPPLSKCESLR
27981	Q15835	49	PLSKCESLRDLS
27982	Q15835	53	CESLRDLSLSLEFE
27983	Q15835	55	SLRDSLSSLFESV
27984	Q15835	60	LSLEFESVCLEQP
27985	Q15835	78	FQQFLQSAEKHLP
27986	Q15835	124	QAKLFCFLDEGI
27987	Q15835	168	FQEYLGSLYFLRF
27988	Q15835	205	GGFGEVSACQMKA
27989	Q15835	247	ILMKVHSRFIVSL
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27991	Q15835	334	DGNVRISDLGLAV
27992	Q15835	347	ELLDGQS GTKGYA
27993	Q15835	372	GEEYDFSVDYFAL
27994	Q15835	410	LKHRIISEPVKYP
27995	Q15835	420	KYPDQFSQASKDF
27996	Q15835	423	DKFSQASKDFCEA
27997	Q15835	476	PPFIPDSTS KTVYAK
27998	Q15835	536	ELNVWRS DGQMPD
27999	Q15835	548	DDMKGISGGSSSS
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28001	Q15835	552	GISGGSSSSSKSGM
28002	Q15835	553	ISGGSSSSSKSGM
28003	Q15835	554	SGGSSSSSKSGMC
28004	Q15835	555	GGSSSSSKSGMCL
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28006	Q15848	116	VYRSAFVGLEY
28007	Q15848	146	QNHYDGSTGKFHC
28008	Q15848	174	MKDVKVSLFKDK
28009	Q15848	198	NNVDQASGSVLLH
28010	Q15848	200	VDQASGSVLLHLE
28011	Q15848	232	ADNDNDS TFTGFL
28012	Q15907	20	VVLIGDGSVGKSN
28013	Q15907	25	DSVGVKSNLLSRF
28014	Q15907	29	GKSNLLSRFTRNE
28015	Q15907	40	NEFNLESKSTIGV
28016	Q15907	42	FNLESKSTIGVEF
28017	Q15907	52	VEFATRSIQVDGK
28018	Q15907	78	RYRAITSAYYRGA
28019	Q15907	115	LRDHADSNIVIML
28020	Q15907	126	MLVGNKS DLRHLR
28021	Q15907	149	AEKNNLSSFIETSA
28022	Q15907	154	LSFIETSALDSTN
28023	Q15907	158	ETSALDSTS TNVEEA
28024	Q15907	177	EIYRIVSQKQIAD
28025	Q15907	190	RAAHDES PGNNVV
28026	Q15907	199	NNVVDIS VPPTTD
28027	Q15910	40	RADEVKSMFSSNR

28028	Q15910	43	EVKSMFSSNRQKI
28029	Q15910	44	VKSMFSSNRQKIL
28030	Q15910	73	PVHILTSVSSLRG
28031	Q15910	76	ILTSVSSLRGTR
28032	Q15910	87	RECSVTSLDLFPT
28033	Q15910	106	TLNAVASVPIMYS
28034	Q15910	114	PIMYSWSPLQQNF
28035	Q15910	212	HRDDKESRPPRKF
28036	Q15910	220	PPRKFPSDKIFEA
28037	Q15910	228	KIFEAISSMFPDK
28038	Q15910	229	IFEAISSMFPDKG
28039	Q15910	271	DGPNAKSVQREQS
28040	Q15910	280	REQSLHSFHTLFC
28041	Q15910	363	RLPNNSSRPSTPT
28042	Q15910	375	TINVLESKDTDSD
28043	Q15910	405	EKKDETSSSSEAN
28044	Q15910	406	KKDETSSSSEANS
28045	Q15910	433	PENVEWSGAEASM
28046	Q15910	438	WSGAEASMFRLVI
28047	Q15910	474	EFRVKESSIIAPA
28048	Q15910	475	FRVKESSIIAPAP
28049	Q15910	533	RQPCDSSCPCVIA
28050	Q15910	551	KFCQCSSECQNRF
28051	Q15910	596	AADHWDSKNVSCK
28052	Q15910	605	VSCKNCSIQRGSK
28053	Q15910	610	CSIQRGSKKHLLL
28054	Q15910	619	HLLLAPS DVAGWG
28055	Q15910	639	QKNEFI SEYCGEI
28056	Q15910	664	YDKYMCSFLFNLN
28057	Q15910	690	IRFANHSVNPNCY
28058	Q15942	11	RPSPAISVSVSAP
28059	Q15942	13	SPAISVSVSAPAF
28060	Q15942	15	AISVSVSAPAFYA
28061	Q15942	44	PFRPGDSEPPPAP
28062	Q15942	103	PPPIEESFPPAPL
28063	Q15942	116	EEEIFPS PPPPE
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28065	Q15942	143	PREKVSS IDLEID
28066	Q15942	150	IDLEIDS LSSLLD
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28069	Q15942	169	PFKARVSSGYVPP
28070	Q15942	170	FKARVSSGYVPPP
28071	Q15942	182	PVATPFS SKSSTK
28072	Q15942	185	TPFSSKS STKPAA
28073	Q15942	186	PFSSKS STKPAAAG
28074	Q15942	202	PLPPWKS PSSSQP
28075	Q15942	205	PWKSPSS SQPLPQ
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28078	Q15942	240	VQLHVQS QTQPV
28079	Q15942	258	PRGPPASSPAPAP
28080	Q15942	259	RGPPASSPAPAPK
28081	Q15942	267	APAPKFS PVTPKF
28082	Q15942	278	KFTPVA SKFSPGA
28083	Q15942	281	PVASKFS PGAPGG
28084	Q15942	290	APGGSGSQPNQKL
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28088	Q15942	505	QYAPRCSVCSEPI
28089	Q15942	508	PRCSVCSEPIMPE
28090	Q15942	545	DCGKPLSIEADDN
28091	Q16236	33	DIDLGVSREVDFD
28092	Q16236	94	PAQHIQSETSGSA
28093	Q16236	103	SGSANYSQVAHIP
28094	Q16236	111	VAHIPKSDALYFD
28095	Q16236	136	VDDNEVSSATFQS
28096	Q16236	142	SSATFQSLVPDIP
28097	Q16236	153	IPGHIESPVFIAT
28098	Q16236	164	ATNQAQSPETSVA
28099	Q16236	168	AQSPETSVAVQVAP
28100	Q16236	230	DNYHFYSIPSME
28101	Q16236	253	LNAFEDSFSSILS
28102	Q16236	259	SFSSILSTEDPNQ
28103	Q16236	294	AFIAEPSISNSMP
28104	Q16236	306	PSPATLHSLSSEL
28105	Q16236	310	TLSHSLSELLNGP
28106	Q16236	335	NQNHPESTAEFND
28107	Q16236	347	DSDSGISLNTSPS
28108	Q16236	351	GISLNTSPSVASP
28109	Q16236	356	TSPSVASPEHSVE
28110	Q16236	360	VASPEHSVESSSY
28111	Q16236	363	PEHSVESSYGDT
28112	Q16236	383	EVEELDSAPGSVK
28113	Q16236	387	LDSAPGSVKQNGP
28114	Q16236	399	PKTPVHSQDMVQ
28115	Q16236	400	KTPVHSSGDMVQP
28116	Q16236	408	DMVQPLSPSQGQS
28117	Q16236	414	SPSQGQSTHVHDA
28118	Q16236	433	EKELPVSPGHRK
28119	Q16236	448	TKDKHSSRLEAHL
28120	Q16236	577	EDGKPYSPEYSL
28121	Q16236	597	VFLVPKSKKPDVK
28122	Q16270	24	LLLLPLSSSSSD
28123	Q16270	25	LLLPLSSSSSDT
28124	Q16270	26	LLPLSSSSSDTC
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28129	Q16270	90	GMECVKSRKRRKG
28130	Q16270	108	AGGPGVSGVCVCK
28131	Q16270	115	GVCVCKSRYPVCG
28132	Q16270	122	RYPVCGSDGTTYP
28133	Q16270	129	DGTTYPSCGQLRA
28134	Q16270	137	CQLRAASQRAESR
28135	Q16270	142	ASQRAESRGEKAI
28136	Q16270	152	KAITQVSKGTCEQ
28137	Q16270	161	TCEQGPSIVTPPK
28138	Q16270	180	GAQVYLSCDEVIGI
28139	Q16270	236	TGWVLVSPLSKED
28140	Q16270	251	EYECHASNQGQQA
28141	Q16270	253	ECHASNQGQASA
28142	Q16270	258	NSQGQASASAKIT
28143	Q16270	260	QGQASASAKITVV

28144	Q16401	51	RLGPLF S LLNENH
28145	Q16401	66	KTTLCVS I LERLL
28146	Q16401	98	LIHPDD S VKILTL
28147	Q16401	105	VKILTL S QIGRIV
28148	Q16401	114	GRIVENS D AVTEI
28149	Q16401	148	AKAAIK S LSRISL
28150	Q16401	153	KSLSRIS L TQAGL
28151	Q16401	165	LEALFES N LLDDL
28152	Q16401	173	LLDDL K SVMKTND
28153	Q16401	193	ELIIIE I SSVSPES
28154	Q16401	194	LIIEISSVSPESL
28155	Q16401	196	IEISSV S PESLNY
28156	Q16401	199	SSVSPES L NYCTT
28157	Q16401	233	CIEMVT S LAYTHH
28158	Q16401	254	GVIDQI S NIIIVGA
28159	Q16401	262	IIVGADS D PFSSF
28160	Q16401	266	ADSDPF S FYLPG
28161	Q16401	267	DSDPF S FYLPGF
28162	Q16401	285	NLAVMDS P QQICE
28163	Q16401	306	VFEMIES Q DPTMI
28164	Q16401	324	TVGILGS N VEGKQ
28165	Q16401	350	MRIGHQS K NAPVE
28166	Q16401	366	RCLDAIS S LLYLP
28167	Q16401	367	CLDAI S LLYLPP
28168	Q16401	390	TESWFSS L SRDPL
28169	Q16401	403	ELFRGI S SQPFPE
28170	Q16401	404	LFRGISS Q PFPEL
28171	Q16401	434	QKLMFNS P GFVEY
28172	Q16401	445	EYVVDRS V EHDKA
28173	Q16401	452	VEHD K AS S DAKYE
28174	Q16401	466	VKALANS K TIAEI
28175	Q16401	486	RLRTYL S EGPYYV
28176	Q16401	496	YYVKPV S TTAVEG
28177	Q16512	69	TTDLGRS L GPVEL
28178	Q16512	80	ELLRG S SRRLDL
28179	Q16512	81	LLLRG S SRRLDLL
28180	Q16512	121	AGGPTC S ATNLSR
28181	Q16512	126	CSATNL S RVAGLE
28182	Q16512	205	PDDTQGS P DLGAV
28183	Q16512	297	ELAAASS A AFSTR
28184	Q16512	356	GPGTPD S RPPFLS
28185	Q16512	372	RGLYSRS G SLSGR
28186	Q16512	380	SLSGRSS L KAEEAE
28187	Q16512	392	ENTSEVS T VLKLD
28188	Q16512	418	PNAWDQS F TLELE
28189	Q16512	495	RQKKI F SKQQGKA
28190	Q16512	533	TGTGT F SPGASPG
28191	Q16512	537	TFSPG A SPGEAR
28192	Q16512	559	LNLGTD S DSSPQK
28193	Q16512	561	LGTDSD S SPQKSS
28194	Q16512	573	SRDPPSS P SSLSS
28195	Q16512	575	DPPSSP S SLSSPI
28196	Q16512	576	PPSSPSS L SSPIQ
28197	Q16512	578	SSPSSI L SPIQES
28198	Q16512	579	SPSSLSS P IQEST
28199	Q16512	584	SSPIQ E STAPELP
28200	Q16512	632	FGKVLL S EFRPSG
28201	Q16512	659	ARDEVE S LMCEKR

28202	Q16512	672	I LA AVT SAGHPFL
28203	Q16512	713	I HSDVFSE PRAIF
28204	Q16512	773	G YGDRT STFCGTP
28205	Q16512	791	E VLTDTSY TRAVD
28206	Q16512	813	E MLVGE SPFGDD
28207	Q16512	826	E EEVFDS IVNDEV
28208	Q16512	896	P FVPTLS GRTDVS
28209	Q16512	916	G EA PTLS PPRDAR
28210	Q16513	19	T ELQGD SRS LPFS
28211	Q16513	25	S RSLPF SENVSAV
28212	Q16513	29	P FSEN VSAV QKLD
28213	Q16513	78	V TT DKK S LAYVDN
28214	Q16513	89	D NILKK SNKKLEE
28215	Q16513	132	N NDPRC S TSNNRL
28216	Q16513	163	N MIQMY SNGSSKD
28217	Q16513	166	Q MYSNGS SKDRKL
28218	Q16513	289	P KNH PKS RIIIEE
28219	Q16513	297	I II EEL S LVAASP
28220	Q16513	313	P RQSMI S TQNQYS
28221	Q16513	349	E NVPGR SKATSVA
28222	Q16513	360	V ALPGW S PSETRS
28223	Q16513	366	S PSETR S SFMSRT
28224	Q16513	367	P SETR S FMSRTS
28225	Q16513	370	T RSSFMS RTSKSK
28226	Q16513	373	S FMSRT S KSKSGS
28227	Q16513	375	M SRTSK SKSGSSR
28228	Q16513	408	T VVGQT SWKPISN
28229	Q16513	416	K PI SNQ SWDQKFT
28230	Q16513	428	T LE LDR S RELEIS
28231	Q16513	434	S RELEI S VYWRDW
28232	Q16513	561	A PPASD S TVTKLD
28233	Q16513	590	L GE IDE S SELRVL
28234	Q16513	591	G EI DES S SELRVLD
28235	Q16513	615	I QNDRNS ILPKSQ
28236	Q16513	701	A RDEV D S LMC EKR
28237	Q16513	714	I FETV N S VRHPFL
28238	Q16513	755	I HTDV F S E PRAVF
28239	Q16513	833	E VL TET S YTRAVD
28240	Q16513	944	R GREDV S NF DDEF
28241	Q16518	23	E TVEEL S S PLTAH
28242	Q16518	24	T VEEL S S PLTAHV
28243	Q16518	41	P LWLTGS LLRCGP
28244	Q16518	54	G LFEVG S EPFYHL
28245	Q16518	121	I FSRFF S YFRGVE
28246	Q16518	173	D LCNYV S VNGATA
28247	Q16518	201	C FGKNF S IAYNIV
28248	Q16518	221	D KEDPI SKSE IVV
28249	Q16518	223	E DPISK SE IVVQF
28250	Q16518	232	V VQFPC S DRFKPS
28251	Q16518	238	S DRFKPS YVHSFG
28252	Q16518	242	K PSYV H S FGLTPN
28253	Q16518	266	N LFKFL S S WSLWG
28254	Q16518	267	L FKF L S S WSLWGA
28255	Q16518	269	K FLSSW S I WGANY
28256	Q16518	281	Y MD CFE S NETMGV
28257	Q16518	307	NN KYRT S PFNL FH
28258	Q16518	397	A TA ILCS DETI WL
28259	Q16518	410	E PEVLF SG PRQAF

28260	Q16518	465	VWQE PDS YPSEPI
28261	Q16518	468	EPDS YP SEPIFVS
28262	Q16518	474	SEPIFV S HDALE
28263	Q16518	488	DDGVVL S VVSPG
28264	Q16518	492	VLSVVVS P GAGQK
28265	Q16518	511	LNAKDL S EVARAE
28266	Q16566	8	LKVTVPS C SASSC
28267	Q16566	10	VTVPSC S AASSCSS
28268	Q16566	15	CSASSC S SVTASA
28269	Q16566	16	SASSC S VTASAA
28270	Q16566	20	CSSVTASAAPGTA
28271	Q16566	27	AAPGTA S LVPDYW
28272	Q16566	37	DYWIDGS N RDALS
28273	Q16566	43	SNRDAL S DFFEVE
28274	Q16566	50	DFFEVE S ELGRGA
28275	Q16566	58	LGRGAT S IVYRCK
28276	Q16566	97	GVLLRL S HPNIK
28277	Q16566	115	ETPTEI S LVLELV
28278	Q16566	137	VEKGYY S ERDAAD
28279	Q16566	189	IADFGL S KIVEHQ
28280	Q16566	226	PEVDMWS V GIITY
28281	Q16566	263	CEYYFIS P WWDEV
28282	Q16566	270	PWWDEVS L NAKDL
28283	Q16566	337	KAVVASS R LGSAS
28284	Q16566	341	ASSRLGS S ASSSHG
28285	Q16566	343	SRLGSAS S SSHGS
28286	Q16566	344	RLGSASS S HGSIQ
28287	Q16566	345	LGSASSS S HGSIQE
28288	Q16566	348	ASSSHGS I QESHK
28289	Q16566	352	HGSIQE S HKASRD
28290	Q16566	356	QESHKAS R DPSPI
28291	Q16566	456	PREGQGS S AVGFE
28292	Q16566	457	REGQGS S AVGFEV
28293	Q16581	15	NSTDLL S QPWNEP
28294	Q16581	26	EPPVIL S MVILSL
28295	Q16581	31	LSMVIL S LTFLLG
28296	Q16581	74	DLLCCL S LPFSLA
28297	Q16581	78	CLSLPF S LAHLAL
28298	Q16581	100	LCKLIPS I IVLMN
28299	Q16581	109	VLNMFAS V FLLTA
28300	Q16581	141	NVGMAC S ICGCIW
28301	Q16581	180	YKFGLSS S LDYPD
28302	Q16581	181	KFGLSS S LDYPDF
28303	Q16581	196	DPLENRS L ENIVQ
28304	Q16581	241	QRPSADS L PRGSA
28305	Q16581	246	DSLPRGS S ARLTSQ
28306	Q16581	251	GSARLTS Q ONLYSN
28307	Q16581	266	KPADVVS P KIPSG
28308	Q16581	271	VSPKIP S GFPIED
28309	Q16581	281	IEDHETS P LDNSD
28310	Q16581	286	TSPLDdns A FLST
28311	Q16581	291	NSDAFLS T HLKLF
28312	Q16581	299	HLKLFP S ASSNSF
28313	Q16581	302	LFPSASS N SFYYES
28314	Q16581	304	PSASSNS F YESEL
28315	Q16581	308	SNSFYE S LPQGF
28316	Q16581	349	VGFLLP S VIMIAC
28317	Q16581	357	IMIACY S FIVFRM

28318	Q16581	371	RGRFAKSQSKTFR
28319	Q16581	373	RFAKSQSKTFRVA
28320	Q16581	400	HIFGVLSLLTDPE
28321	Q16581	415	LGKTLMSWDHVCI
28322	Q16581	428	ALASANSCFNPFL
28323	Q16581	449	RKKARQSIQGILE
28324	Q16581	459	ILEAAFSEELTRS
28325	Q16581	470	RSTHCPSNNVISE
28326	Q16584	15	LKSPLGSWNGSGS
28327	Q16584	19	LGSWNGSGGGGG
28328	Q16584	35	GGRPEGSPKAAGY
28329	Q16584	55	LFDYEPSGQDELA
28330	Q16584	78	SRDAAIKGDEGWW
28331	Q16584	97	QVGIFPSNYVSRG
28332	Q16584	101	FPSNYVSRGGGPP
28333	Q16584	160	ISVTAESVRQEAR
28334	Q16584	244	IHRDLKSNNILL
28335	Q16584	255	LLQPIESDDMEHK
28336	Q16584	297	PEVIKASTFSKGS
28337	Q16584	300	IKASTFSKGSDVW
28338	Q16584	303	STFSKGSDVWSFG
28339	Q16584	307	KGSDVWSFGVLLW
28340	Q16584	345	LTLPPIPSTCPEPF
28341	Q16584	371	RRPDFASILQQLE
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28343	Q16584	493	DGGERISMPLDFK
28344	Q16584	569	CWAWPSSPKPGE
28345	Q16584	570	WAWGPSSPKPGEA
28346	Q16584	594	ATWYLDSDDSSPL
28347	Q16584	597	YLDSDDSPLGSP
28348	Q16584	598	LDSDDDSPLGSPS
28349	Q16584	602	DSSPLGSPSTPPA
28350	Q16584	604	SPLGSPSTPPALN
28351	Q16584	633	VPAERGSSSGTPK
28352	Q16584	634	PAERGSSSGTPKL
28353	Q16584	635	AERGSSSGTPKLI
28354	Q16584	746	SPPPGBTRSAPGT
28355	Q16584	765	PPLGLISRPRPSP
28356	Q16584	774	RPSPLRSRIDPWS
28357	Q16623	59	EVKRKHSAAILASP
28358	Q16623	64	HSAILASPNPDEK
28359	Q16623	80	ELEELMSDIKKTA
28360	Q16623	91	TANKVRSKLKSIE
28361	Q16623	95	VRSKLKSIEQSIE
28362	Q16623	99	LKSIEQSIEQEEG
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28364	Q16623	110	EGLNRSSADLRIR
28365	Q16623	121	IRKTQHSTLSRKF
28366	Q16623	124	TQHSTLSRKFVEV
28367	Q16623	132	KFVEVMSEYNATQ
28368	Q16623	139	EYNATQSODYRERC
28369	Q16623	162	TGRTTSEELEDMD
28370	Q16623	171	LEDMLESGNPAIF
28371	Q16623	179	NPAIFASGIIMDS
28372	Q16623	185	SGIIMDSSISKQA
28373	Q16623	186	GIIMDSSISKQAL
28374	Q16623	193	ISKQALSEIETRH
28375	Q16623	200	EIETRHSEIIKLE

28376	Q16623	208	IIKLENSIRELHD
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28378	Q16623	249	YVERAVSDTKKAV
28379	Q16623	259	KAVKYQS KARRKK
28380	Q16625	8	SSRPLES PPPYRP
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28382	Q16625	40	HVRPMLSQPAYSF
28383	Q16625	45	LSQPAYS FYPEDE
28384	Q16625	60	HFYKWTSPPGVIR
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28387	Q16625	101	TSLLGGSGVGYPYG
28388	Q16625	109	GYPYGGSGFGSYG
28389	Q16625	113	GGSGFGSYGSGYG
28390	Q16625	116	GFGSYGS GYGYGY
28391	Q16625	159	LVIFVT S VIRSEM
28392	Q16625	163	VTSVIR S EMSRT R
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28394	Q16625	203	VNPTAQ S SGSLYG
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28396	Q16625	210	SGSLYGSQIYALC
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28406	Q16625	448	EYKSLQ S ELDEIN
28407	Q16625	458	EINKELSRLD K EL
28408	Q16625	471	DDYREE S EYMAA
28409	Q16625	505	HCKQLKS K L S HIK M
28410	Q16625	508	QLKSKL S HIKKMV
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28413	Q16637	63	GDICET S GKP K TT
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28416	Q16637	99	KVGDKCSAIWSED
28417	Q16637	103	KCSAIW S EDGCIY
28418	Q16637	115	YPATIAS I DFKRE
28419	Q16637	139	REQNL S DLLSPI
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28421	Q16637	163	QENENESQVSTD E
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28423	Q16637	170	QVSTD E SENSRSP
28424	Q16637	173	TDESENSRSPGNK
28425	Q16637	175	ESENSRS P GNKSD
28426	Q16637	180	RSPGNKS D N I KPK
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28428	Q16637	230	PPPHLLSCWL P PF
28429	Q16637	238	WLPPFP S GPPIIP
28430	Q16637	253	PPICPD S LDDADA
28431	Q16637	262	DADALGS M LISWY
28432	Q16637	266	LGSMLISWYMSGY
28433	Q16637	270	LISWYMS G YHTGY

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28435	Q16643	38	TYYEDGSDDLKLA
28436	Q16643	46	DLKLAASGEGLQ
28437	Q16643	55	GGLQELS\$GHFENQ
28438	Q16643	69	VMYGFC\$VKDSQA
28439	Q16643	73	FCSVKDSQAALPK
28440	Q16643	100	RKCACASHVAKVA
28441	Q16643	119	DVIVNAS\$VEDID
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28444	Q16643	272	ETHMKK\$SESEVEE
28445	Q16643	274	HMKKSE\$EVEEAA
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28447	Q16643	304	ERVASASAGSCDV
28448	Q16643	307	ASASAGS\$CDVPSP
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28450	Q16643	324	PGSHLDS\$HRRMAP
28451	Q16643	341	TRSPSD\$STASTP
28452	Q16643	342	RSPSDS\$TASTPV
28453	Q16643	345	SDSSTA\$TPVAEQ
28454	Q16643	361	ALDEVT\$SQPPPL
28455	Q16643	426	DLMFMESAEQAVL
28456	Q16643	474	VPPAAT\$LIDLWP
28457	Q16643	487	GNGEGAS\$TLQGEP
28458	Q16643	500	RAPTPPS\$GTEVTL
28459	Q16643	553	EEVEGES\$LAAPQT
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28462	Q16643	599	ASEGYSQSQEEE
28463	Q16643	601	EGYFSQSQEEEFA
28464	Q16643	609	EEEFAQ\$SEELCAK
28465	Q16655	20	KKGHGH\$YTAAEE
28466	Q16655	61	RALMDKS\$LVGTQ
28467	Q16655	84	GFDHRD\$KVSLQE
28468	Q16655	87	HRDSKV\$LQEKN
28469	Q16656	36	ATYTEH\$MLSADE
28470	Q16656	56	DTSYDDS\$DILNST
28471	Q16656	61	DSDILNS\$TAADEV
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28473	Q16656	102	VFESNPS\$IRKRQQ
28474	Q16656	136	AI VLCIS\$PSKP\$NP
28475	Q16656	138	VLCISPS\$KPNPVF
28476	Q16656	161	VVRKYK\$MILEDL
28477	Q16656	169	ILEDLES\$ALAEHA
28478	Q16656	183	APQEVNS\$ELPPLT
28479	Q16656	196	IDGIPVS\$VDKMTQ
28480	Q16656	216	PEMLKY\$TGRGKP
28481	Q16656	228	PGWGKES\$CKPIWW
28482	Q16656	245	PWANVRS\$DVRTEE
28483	Q16656	257	EQKQRV\$WTQALR
28484	Q16656	296	QATATH\$IAHLVP
28485	Q16656	303	IAHLVPS\$QTVVQT
28486	Q16656	311	TVVQTF\$NP\$DGTV
28487	Q16656	318	NPDGTV\$LIQVGT
28488	Q16656	335	ATLADAS\$ELPTTV
28489	Q16656	349	VAQVNYS\$AVADGE
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28491	Q16656	384	ATQAVAS\$LAEEAV

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28493	Q16656	408	VTMALNSSEAAAHA
28494	Q16656	432	GGQIVL\$GETAAA
28495	Q16656	457	LVQIPV\$MYQTVV
28496	Q16656	465	YQTVVT\$LAQGNG
28497	Q16656	485	PVTTRIS\$DAVTM
28498	Q16656	487	TTRISD\$AVTMGD
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28502	Q16658	102	HDDGRWSLQSEAH
28503	Q16658	105	GRWSLQSEAHRRY
28504	Q16658	120	GTEDRLS\$CFAQTV
28505	Q16658	127	CFAQTV\$PAEKWS
28506	Q16658	146	PQVNIYSVTRKRY
28507	Q16658	156	KRYAHL\$ARPADAE
28508	Q16658	175	VPWGVDSLITLAF
28509	Q16658	187	FQDQRYSVQTADH
28510	Q16658	218	YTLEFRSGKVAFR
28511	Q16658	234	GRYLAPS\$GPSGTL
28512	Q16658	237	LAPSGPSGTLKAG
28513	Q16658	274	ANERNVSTRQGMD
28514	Q16658	282	RQGMDLSANQDEE
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28516	Q16658	328	GVQSTAS\$KNASC
28517	Q16658	329	VQSTASS\$KNASCY
28518	Q16658	333	ASSKNASCYFDIE
28519	Q16658	350	RITLRAS\$NGKFVT
28520	Q16658	357	NGKFVTS\$KKNGQL
28521	Q16658	366	NGQLAAS\$VETAGD
28522	Q16658	373	VETAGD\$ELFLMK
28523	Q16658	409	TLDANRS\$SYDVFQ
28524	Q16658	410	LDANRSS\$YDVFQL
28525	Q16658	428	AYNIKDS\$TGKYWT
28526	Q16658	437	KYWTVGSD\$DAVT
28527	Q16658	439	WTVGSD\$AVTSSG
28528	Q16658	443	SDSAVT\$SGDTPV
28529	Q16658	481	AGVLKASAETVDP
28530	Q16659	89	ILGPSGS\$QLTDDV
28531	Q16659	103	SLTELNSVYIVQE
28532	Q16659	145	GLKYIHS\$ANVLHR
28533	Q16659	183	IMDPHYSHKGHLS
28534	Q16659	199	VTKWYRSPRLLS
28535	Q16659	247	MQLILES\$IPVVHE
28536	Q16659	317	LSPHPYMS\$IYSFPM
28537	Q16659	328	PMDEPISSHFPFI
28538	Q16659	363	YHDCQFSEHDWPV
28539	Q16659	386	LDPRALS\$DVTDEE
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28541	Q16659	462	NLVWRE\$EVNHYY
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28543	Q16659	487	EQSKEKS\$DKKGKS
28544	Q16659	493	SDKKGKS\$KCERNG
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28564	Q16665	51	PLPHNV S SHLDKA
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28579	Q16665	581	RSFDQL S PLESSS
28580	Q16665	586	LSPLESS S SASPES
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28596	Q16666	132	AQKRKK S TKEKAG
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28605	Q16666	401	RNNDPK S MKLPQE
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28616	Q16666	550	PPSTPSSSFLTTL
28617	Q16666	568	TEPEEVSIEDSAQ
28618	Q16666	668	PKGLIRSASVTPK
28619	Q16666	680	KINQLCSQTKGSF
28620	Q16666	752	NTGELRSVIHSHI
28621	Q16695	88	DLRFQSSAVMALQ
28622	Q16695	99	LQEACESYLVGLF
28623	Q16719	60	LPPVDLSLVNKDE
28624	Q16719	75	IYFLGNSLGLQPK
28625	Q16719	115	WITGDESIVGLMK
28626	Q16719	147	LHLLMLSFFKPTP
28627	Q16719	167	EAKAFPSDHYAIE
28628	Q16719	174	DHYAIESQLQLHG
28629	Q16719	186	GLNIEESMRMIKP
28630	Q16719	214	IEKEGDSIAVILF
28631	Q16719	221	IAVILFSGVHFYT
28632	Q16719	274	DFACWCSYKYLNA
28633	Q16719	311	WFGHELSSTRFKMD
28634	Q16719	332	VCGFRISSNPPILL
28635	Q16719	341	PILLVCSLHASLE
28636	Q16719	345	VCSLHASLEIFKQ
28637	Q16719	361	KALRKKSVLLTGY
28638	Q16719	394	VNIITPSHVEERG
28639	Q16719	408	QLTITFSVPNKDV
28640	Q16719	443	PVPLYNSFHDVYK
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28643	Q16773	55	AFQHAVSGDFMLN
28644	Q16773	78	LTKILASFFGELL
28645	Q16773	143	GRPVFVS LKPGPI
28646	Q16773	156	QNGELGSSSNWQL
28647	Q16773	157	NGELGSSSNWQLD
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28649	Q16773	173	LAGKFTSRTKALV
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28652	Q16773	228	DGHQHISIASLPG
28653	Q16773	231	QHISIASLPGMWE
28654	Q16773	244	RTLTISSAGKTFS
28655	Q16773	250	SAGKTFSATGWKV
28656	Q16773	276	RTVHQNSVFHCPT
28657	Q16773	284	FHCPTQSQAFAAE
28658	Q16773	291	QAAVAESFEREQL
28659	Q16773	303	LLFRQPSSYFVQF
28660	Q16773	304	LFRQPSSYFVQFP
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28662	Q16773	326	MIRSLQSVGLKPI
28663	Q16773	337	PIIPQGSYFLITD
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28665	Q16773	382	LVAIPVSIFYSVP

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28667	Q16790	28	TVQLLL S LLLLVP
28668	Q16790	47	PRMQED S PLGGGS
28669	Q16790	53	SPLGGG S SGEDDP
28670	Q16790	54	PLGGG S GEDDPL
28671	Q16790	67	GEEDLP SEEDS PR
28672	Q16790	71	LPSEED S PREEDP
28673	Q16790	102	PEVKPK S EEEGSL
28674	Q16790	107	KSEEEG S LKLEDL
28675	Q16790	139	KEGDDQ S HWRYYGG
28676	Q16790	153	PPWPRV S PACAGR
28677	Q16790	162	CAGRFQ S PVDIRP
28678	Q16790	201	LRNNNGH S VQLTLP
28679	Q16790	237	AAGRPG SEHT VEG
28680	Q16790	256	IHVVHL S TAFARV
28681	Q16790	287	EGPEENSAYEQLL
28682	Q16790	294	AYEQLL S RLEEIA
28683	Q16790	304	EIAEEG SET QVPG
28684	Q16790	314	VPGLDI S ALLPSD
28685	Q16790	319	ISALLP S DFSRYF
28686	Q16790	322	LLPSDF S RYFQYE
28687	Q16790	330	YFQYEG S LTTPPC
28688	Q16790	352	NQTVML S AKQLHT
28689	Q16790	360	KQLHTL S DTLWGP
28690	Q16790	369	LWGPGD S RLQLNF
28691	Q16790	389	GRVIEA S FPAGVD
28692	Q16790	396	FPAGVD S SPRAAE
28693	Q16790	397	PAGVD S SPRAEP
28694	Q16790	408	EPVQLN S CLAAGD
28695	Q16790	428	LLFAVT S VAFLVQ
28696	Q16790	448	GTKGGV S YRPAEV
28697	Q16832	19	LLLPIL S SAKAQV
28698	Q16832	53	TASSQW S ESTAAK
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28701	Q16832	173	IPVTDH S MNVCMR
28702	Q16832	208	FVLPGG S IIYLND
28703	Q16832	215	IIYLND S VYDGAV
28704	Q16832	308	VQCYFR S EASEWE
28705	Q16832	311	YFRSEAS EWE PN
28706	Q16832	330	LDDVNPS A RFVTV
28707	Q16832	380	SEALPT S PMAPTT
28708	Q16832	396	MLKVDD S NTRILI
28709	Q16832	433	KMLEK A SRRMLDD
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28711	Q16832	451	LSLPSD S SMFNNNN
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28713	Q16832	463	NRSSSP S EQGSNS
28714	Q16832	504	EEESGC S GVVKPV
28715	Q16832	513	VKPVQPS G PEGVP
28716	Q16832	539	TGGNTY S VPAVTM
28717	Q16832	674	RHEPPN S SSSDVR
28718	Q16832	675	HEPPN S SSDVRT
28719	Q16832	676	EPPN S SSSDVRTV
28720	Q16832	677	PPN S SSSDVRTVS
28721	Q16832	683	SDVRTV S YTNLKF
28722	Q16832	732	IADFGMS R NLYSG
28723	Q16832	737	MSRNLY S GDYYRI

28724	Q16832	755	LPIRWMSWESILL
28725	Q16832	758	RWMSWESILLGKF
28726	Q16832	790	CQEQPYSQLSDEQ
28727	Q16832	793	QPYSQLSDEQVIE
28728	Q16832	823	PAICPDSVYKML
28729	Q16832	841	DTKNRPSFQEHL
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28731	Q16853	57	WTHPGSQLFADL
28732	Q16853	92	AAQARPSSDNCVFS
28733	Q16853	98	SDNCVFSVELQLP
28734	Q16853	139	QPQPNVSELVVGP
28735	Q16853	150	GPLPHPSYMRDVT
28736	Q16853	220	APRGLQSGDRATW
28737	Q16853	234	GLYYNISGAGFFL
28738	Q16853	273	QGRYYDSLAQLEA
28739	Q16853	301	GTGGGSWSLKSPVP
28740	Q16853	304	GWSLKSPPPGP
28741	Q16853	324	PQGPRFSSVQGSRV
28742	Q16853	328	RFSVQGSRVASSL
28743	Q16853	338	SSLWTFSFGLGAF
28744	Q16853	364	RLVYEISLQEALA
28745	Q16853	376	AIYGGNSPAAMTT
28746	Q16853	445	PLRRHHSIDLISHY
28747	Q16853	449	HHSDLYSHYFGGL
28748	Q16853	466	LVVRSMSTLLNYD
28749	Q16853	482	DTVFHPSGAIEIR
28750	Q16853	496	YATGYISSAFLFG
28751	Q16853	497	ATGYISSLAFGGA
28752	Q16853	554	PMAVPWSPEHQLQ
28753	Q16853	581	AAFLVGSATPRYL
28754	Q16853	591	RYLYLASNHSNKW
28755	Q16853	594	YLASNHSNKWGHP
28756	Q16853	609	YRIQMLSFAEPL
28757	Q16853	620	PLPQNNSMARGFS
28758	Q16853	626	SMARGFSWERYQL
28759	Q16853	644	KEEPSSSSVFNQ
28760	Q16853	645	EEEPSSSSVFNQN
28761	Q16853	646	EEPSSSSVFNQND
28762	Q16853	719	EDPSFYSSADSIYF
28763	Q16875	8	PLELTQSRVQKIW
28764	Q16875	22	PVDHRPSLPRSCG
28765	Q16875	26	RPSLPRSCGPKLT
28766	Q16875	34	GPKLTNSPTVIVM
28767	Q16875	52	RGKTYISKKLTRY
28768	Q16875	83	EAVKQYSSYNFFRP
28769	Q16875	84	AVKQYSSYNFFRP
28770	Q16875	112	ALRDVKSYLAKEG
28771	Q16875	153	KAFFIESVCDDPT
28772	Q16875	171	IMEVKISSPDYKD
28773	Q16875	172	MEVKISSPDYKDC
28774	Q16875	180	DYKDCNSAEAMDD
28775	Q16875	192	DFMKRISCYEASY
28776	Q16875	197	ISCYEASYQPLDP
28777	Q16875	211	KCDRDLISLIKVID
28778	Q16875	233	VQDHIQSSRIVYYL
28779	Q16875	269	GRIGGDSGLSSRG
28780	Q16875	272	GGDGLSSRGKKF
28781	Q16875	273	GDSGLSSRGKKFA

28782	Q16875	283	KFASALS K FVEEQ
28783	Q16875	299	DLRVWTS Q LKSTI
28784	Q16875	303	WTSQLK S TIQTAE
28785	Q16875	362	RYPTGES Y QDLVQ
28786	Q16875	403	AYFLDK S AEEMPY
28787	Q16875	431	YGCRVES I YLNVE
28788	Q16875	438	IYLNVES V CTHRE
28789	Q16875	478	KKPRINS F EEHVA
28790	Q16875	485	FEEHV A STSAALP
28791	Q16875	487	EHVAST S AALPSC
28792	Q16875	510	GQNMKG S RSSADS
28793	Q16875	512	NMKGSRS S ADSSR
28794	Q1KMD3	13	KVTEL R SELQRRG
28795	Q1KMD3	22	QRRGLDS R GLKVD
28796	Q1KMD3	67	PRPVAAS GGG PGG
28797	Q1KMD3	128	AAEPDA S EKPAA
28798	Q1KMD3	138	AEATAGS GG VNGG
28799	Q1KMD3	168	GDETPG S EVPGDK
28800	Q1KMD3	185	QGDDQD S EKS KPA
28801	Q1KMD3	188	DQDSEK S KPAGSD
28802	Q1KMD3	193	KSKPAGS D GERRG
28803	Q1KMD3	224	REEAYH S RSKSPL
28804	Q1KMD3	253	NLDTYT S DLHFQV
28805	Q1KMD3	260	DLHFQVS K DRYGG
28806	Q1KMD3	271	GGQPLF S EKFPTL
28807	Q1KMD3	279	KFPTLWS G ARSTY
28808	Q1KMD3	283	LWSGARS T YGVTK
28809	Q1KMD3	312	EGCTEV S LLRVGW
28810	Q1KMD3	319	LLRVGWS V DFSRP
28811	Q1KMD3	323	GWSVDFS R PQLGE
28812	Q1KMD3	333	LGEDEF S YGF DGR
28813	Q1KMD3	375	TEEVEL S FSKNGE
28814	Q1KMD3	390	GVAFWI S KDSLAD
28815	Q1KMD3	393	FWISKD S LADRAL
28816	Q1KMD3	463	MVGLPG S GKTQWA
28817	Q1KMD3	507	PEMDPK S RDLLVQ
28818	Q1KMD3	527	KLVQIAS R TKRNF
28819	Q1KMD3	543	QCNVYNS G QRRKL
28820	Q1KMD3	556	LLFKTF S RKV VVV
28821	Q1KMD3	597	EMKANF S LP EKCD
28822	Q1KMD3	636	RKLLPP S EKRTNR
28823	Q1KMD3	655	RNRQNRS R GQGYV
28824	Q1KMD3	724	YNRDWQS Y YYHP
28825	Q24JP5	73	YPPANS S LSSRSE
28826	Q24JP5	76	ANSSLSS R SETFL
28827	Q24JP5	78	SSLSSR S ETFL
28828	Q24JP5	192	VELELP S HWF SQA
28829	Q24JP5	196	LPSHWFS Q ASTTR
28830	Q24JP5	319	LDRFKGS R HHTTL
28831	Q24JP5	338	GLTEPD S PLELS
28832	Q24JP5	339	LTEPD S PLELSE
28833	Q24JP5	392	VWEILV S ERDIRA
28834	Q24JP5	445	EHVGCE S ANTQVL
28835	Q24JP5	578	DWL LDV S HLVAPH
28836	Q24JP5	610	REP GVT S IEVRSP
28837	Q24JP5	615	TSIEVR S PLSDSI
28838	Q24JP5	618	EVRSPLS D SILGE
28839	Q24JP5	620	RSPLSD S ILGEQA

28840	Q24JP5	635	VTDDKVS V LELRV
28841	Q24JP5	648	QPVMGI S LTLSRG
28842	Q24JP5	652	GISLTL S RGTAHP
28843	Q24JP5	669	ATCWAQS A LPAPK
28844	Q24JP5	687	SLWLSF S DHTVAP
28845	Q24JP5	729	QLGVVV S GAGAEG
28846	Q24JP5	759	HRVPLAS G TAWLG
28847	Q24JP5	770	LGLPPA S T PAPAL
28848	Q24JP5	778	PAPALP S SPAWSP
28849	Q24JP5	783	PSSPAWS P PATEA
28850	Q24JP5	889	SATDPTS P QPHNW
28851	Q24JP5	922	PPKGEG S CPCESG
28852	Q24JP5	927	GSCPCE S GGGGEA
28853	Q24JP5	946	PPGGTT S SSSTLA
28854	Q24JP5	976	PAPPAQS P EEPVG
28855	Q24JP5	988	GAPAVQS I LVAGE
28856	Q2HXU8	15	TLTFQDSAGARNN
28857	Q2HXU8	36	RGHPAPS I WRHA
28858	Q2HXU8	68	MMFLQI S NDINSD
28859	Q2HXU8	73	ISNDINS D SEKLS
28860	Q2HXU8	75	NDINSD E KLSQL
28861	Q2HXU8	79	SDSEKLS Q LQKTI
28862	Q2HXU8	93	QQQDNL S QQLGNS
28863	Q2HXU8	99	SQQLGNS N NLSME
28864	Q2HXU8	103	GNSNNL S MEEFL
28865	Q2HXU8	111	EEFLK S QISSVL
28866	Q2HXU8	114	FLKSQ I SSLKRQ
28867	Q2HXU8	115	LKSQISS V LKRQE
28868	Q2HXU8	136	ELIIHTS D HRCNP
28869	Q2HXU8	153	WQWYQ N SCYYFTT
28870	Q2HXU8	168	EKTWANS R KDCID
28871	Q2HXU8	177	DCIDKN S TLVKID
28872	Q2HXU8	184	TLVKIDS L EEKDF
28873	Q2HXU8	193	EKDFLMS Q PLL MF
28874	Q2HXU8	200	QPLLMF S FFWLGL
28875	Q2HXU8	207	FFWLGL S WDSSGR
28876	Q2HXU8	210	LGLSWD S SGRSWF
28877	Q2HXU8	211	GLSWD S GRSWFW
28878	Q2HXU8	214	WDSSGR S FWEDG
28879	Q2HXU8	221	WFWEDG S VPSPL
28880	Q2HXU8	224	EDGSVP S PSLFST
28881	Q2HXU8	226	GSVPSP S LFSTKE
28882	Q2HXU8	229	PSPSLF S TKELDQ
28883	Q2HXU8	239	LDQING S KGCAYF
28884	Q2HXU8	253	KGNIY I SRCSAEI
28885	Q2HXU8	256	IYISRC S AEIFWI
28886	Q2M2Z5	13	SAVPL S PDYYER
28887	Q2M2Z5	30	QHGLRD S EKKRLD
28888	Q2M2Z5	118	IKKMLC S KDSLGL
28889	Q2M2Z5	193	SIPDPH S HRQTAQ
28890	Q2M2Z5	206	SSNVTD S CVVQTS
28891	Q2M2Z5	212	SCVVQT S NDTQCL
28892	Q2M2Z5	229	NIDGKA S LQIGEK
28893	Q2M2Z5	256	HCLEIG S NTRHGK
28894	Q2M2Z5	263	NTRHGK S NLSEGK
28895	Q2M2Z5	271	LSEGKK S AELNSP
28896	Q2M2Z5	276	KSAELNS P LRLRERL
28897	Q2M2Z5	295	TDLKCD S SSGSEG

28898	Q2M2Z5	296	DLKCDSSSGSEGE
28899	Q2M2Z5	317	VEEKRASPPVSP
28900	Q2M2Z5	331	VSEYCESENKWSQ
28901	Q2M2Z5	341	WSQEKHSPWEGVS
28902	Q2M2Z5	357	AHREPKSQKPFRK
28903	Q2M2Z5	376	ESWSTSSDLTISI
28904	Q2M2Z5	383	DLTISISEDDLIL
28905	Q2M2Z5	424	QERVALSTEKNCI
28906	Q2M2Z5	439	TLSSPDSEKESST
28907	Q2M2Z5	458	PGQTPDSDVPRAQ
28908	Q2M2Z5	499	EECGRRSAIHSS
28909	Q2M2Z5	504	RSAIHSSESSCCL
28910	Q2M2Z5	509	SSESSCSLPSILN
28911	Q2M2Z5	540	TREQEVS SGCGDK
28912	Q2M2Z5	541	REQEVSS GCGDKS
28913	Q2M2Z5	547	SGCGDKSKKENVA
28914	Q2M2Z5	591	KTDASVSHLSGLN
28915	Q2M2Z5	619	SEASFSS SEGSPL
28916	Q2M2Z5	626	SEGSPLSRHENKK
28917	Q2M2Z5	647	NALWDES DDSNSE
28918	Q2M2Z5	652	ESDDSNSEIEAAL
28919	Q2NKX8	14	PEAEALS PEQAAH
28920	Q2NKX8	84	FTDVCNS GLLLYR
28921	Q2NKX8	137	QIIAFLSGMFAD
28922	Q2NKX8	214	NWQQQLSS FRGQEF
28923	Q2NKX8	278	DFACQGSLLGTLK
28924	Q2NKX8	338	DVQKKKS SNPEAR
28925	Q2NKX8	386	IYRKFVSLDHIKE
28926	Q2NKX8	431	LNLGTFSAQDGNE
28927	Q2NKX8	485	TLVFSQS RQILNI
28928	Q2NKX8	644	TQLQLQSLHAAQR
28929	Q2NKX8	759	QPSPLLSTHHTQE
28930	Q2NKX8	769	TQEEDISSKMASV
28931	Q2NKX8	774	ISSKMAS VVIDDL
28932	Q2NKX8	790	GEKQDLSSSIKVNV
28933	Q2NKX8	791	EKQDLSSSIKVNT
28934	Q2NKX8	807	DGKGTGSADSIAT
28935	Q2NKX8	810	GTGSADS IATLPK
28936	Q2NKX8	820	LPKGFGS VEELCT
28937	Q2NKX8	835	SLGMEKS FAKNE
28938	Q2NKX8	864	QEDPLESFNYVLS
28939	Q2NKX8	870	SFNYVLS KSTKAD
28940	Q2NKX8	900	NPWPIIS ITNESQ
28941	Q2NKX8	913	NAESNVSIIEIAD
28942	Q2NKX8	943	KLEEEPSASSPQY
28943	Q2NKX8	945	EEEPSAS SPQYAC
28944	Q2NKX8	946	EEPSASS PQYACD
28945	Q2NKX8	960	NLFLEDSSADNRQN
28946	Q2NKX8	1004	CLSWEFSEKDDEP
28947	Q2NKX8	1042	SFKDTSS INPFNT
28948	Q2NKX8	1054	TSLFQFS SVKQFD
28949	Q2NKX8	1081	FSSQIPS SVNKS
28950	Q2NKX8	1157	LSSENKS SWLMTS
28951	Q2NKX8	1163	SSWLMTSKPSALA
28952	Q2PPJ7	52	FFETNYSQIYFIF
28953	Q2PPJ7	77	LKGNNKS QREELD
28954	Q2PPJ7	108	FRWHYQSIGSTLK
28955	Q2PPJ7	225	MVIQAAS LEWKNK

28956	Q2PPJ7	291	DNENIY\$\textcolor{blue}{S}\$TKIPYM
28957	Q2PPJ7	362	EQDKSH\$\textcolor{blue}{S}\$NSSTLS
28958	Q2PPJ7	465	GFSETD\$\textcolor{blue}{S}\$KEASSE
28959	Q2PPJ7	470	DSKEAS\$ESSGHK
28960	Q2PPJ7	713	EPMRFR\$ATTSGA
28961	Q2PPJ7	750	NAPAAG\$GHLTVG
28962	Q2PPJ7	776	IPEPLC\$DSSQGQ
28963	Q2PPJ7	778	EPLCSD\$SQGQKA
28964	Q2PPJ7	844	CRERQK\$ESTNSD
28965	Q2PPJ7	913	CLTDDCS\$IIAGGS
28966	Q2PPJ7	927	TGWHPD\$AAVLWR
28967	Q2PPJ7	996	PLRMFA\$WLFCAA
28968	Q2PPJ7	1213	VLQLLV\$YWEKLQ
28969	Q2PPJ7	1247	LPSAEYS\$VETDK
28970	Q2PPJ7	1280	VLLHPV\$TAVLEE
28971	Q2PPJ7	1310	CCVCGSS\$TYTQQS
28972	Q2PPJ7	1414	NAHVEG\$ELSFEV
28973	Q2PPJ7	1417	VEGSEL\$FEVFRS
28974	Q2PPJ7	1457	SPVGSL\$DVRVIV
28975	Q2PPJ7	1498	PSFLISS\$WHRDTF
28976	Q2PPJ7	1531	ENIGHT\$PECLLP
28977	Q2PPJ7	1640	ELKNLDS\$RQCRET
28978	Q2PPJ7	1702	GLQRNG\$TGQTAP
28979	Q2PPJ7	1729	TRMPSD\$DDSLTK
28980	Q2PPJ7	1732	PSDSDDS\$LTKKLR
28981	Q2PPJ7	1809	SGKLLP\$LVCATC
28982	Q2PPJ7	1831	LIPLYQS\$FYEEERA
28983	Q2TAY7	8	SIEIES\$DVIRLI
28984	Q2TAY7	22	QYLKEN\$LHRALA
28985	Q2TAY7	43	SLNTVDS\$IESFVA
28986	Q2TAY7	46	TVDSIES\$FVADIN
28987	Q2TAY7	65	VLQAIQS\$LKLPDK
28988	Q2TAY7	95	ELGAARS\$LLRQTD
28989	Q2TAY7	124	ENLLARS\$YFDPRE
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28991	Q2TAY7	137	AYPDGSS\$KEKRRA
28992	Q2TAY7	154	ALAGEVS\$VVPPSR
28993	Q2TAY7	159	VSVVPPS\$RLMALL
28994	Q2TAY7	215	IKFGQKS\$HVECAR
28995	Q2TAY7	223	VECARFS\$PDGQYL
28996	Q2TAY7	233	QYLVTGS\$VDGFIE
28997	Q2TAY7	273	VLCMCFS\$RDTEML
28998	Q2TAY7	307	RFERAH\$KGVTCL
28999	Q2TAY7	319	LSFSKDSS\$QILSA
29000	Q2TAY7	320	SFSKDSS\$QILSAS
29001	Q2TAY7	326	SQILSAS\$FDQTIR
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29003	Q2TAY7	350	EFRGHSS\$FVNEAT
29004	Q2TAY7	366	DGHYIIISASSDGT
29005	Q2TAY7	368	HYIIISASS\$DGTVK
29006	Q2TAY7	369	YIISASS\$DGTVKI
29007	Q2TAY7	384	MKTTECS\$NTFKSL
29008	Q2TAY7	389	CSNTFKS\$LGSTAG
29009	Q2TAY7	392	TFKSLGS\$TAGTDI
29010	Q2TAY7	402	TDITVNS\$VILLPK
29011	Q2TAY7	434	QGQIVRS\$FSSGKR
29012	Q2TAY7	436	QIVRSF\$SGKREG
29013	Q2TAY7	437	IVRSFSS\$GKREGG

29014	Q2TAY7	470	FVLYCFS TVTGKL
29015	Q2TAY7	503	NLIATYS E DGLLK
29016	Q2V2M9	129	LRRALFSLKQIFQ
29017	Q2V2M9	245	RGVKPWS NIMEIL
29018	Q2V2M9	345	RDRRRA S VCSSGG
29019	Q2V2M9	372	SVQSIKS TLSAPT
29020	Q2V2M9	375	SIKSTLSA PTSPC
29021	Q2V2M9	407	SNFGNN SYHSSRP
29022	Q2V2M9	415	HSSRPSS GSSVPT
29023	Q2V2M9	425	VPTTPTS SVSPPQ
29024	Q2V2M9	439	ARLERS S P SGLLT
29025	Q2V2M9	441	LERSSPS GLLTSS
29026	Q2V2M9	447	SGLLTSS FRQHQE
29027	Q2V2M9	502	KELRSRS VSRGRA
29028	Q2V2M9	504	LRSRSV S RGRADL
29029	Q2V2M9	533	SHSPSS DSQEAL
29030	Q2V2M9	545	LTVSASS PGTPHH
29031	Q2V2M9	555	PHHPQAS AGDPEP
29032	Q2V2M9	586	AGQDIAS AHEGAE
29033	Q2V2M9	631	CSASSV SSSSTL
29034	Q2V2M9	712	EAEAVAS LATRIS
29035	Q2V2M9	724	STLQANS QTQDES
29036	Q2V2M9	744	CLDNRGS VKAF AE
29037	Q2V2M9	920	CREFLWS KLEPIK
29038	Q2V2M9	930	PIKVDT S RLEHLF
29039	Q2V2M9	1044	SSISELS SARLHLW
29040	Q2V2M9	1124	DTVHKQS LLHHVC
29041	Q2V2M9	1141	ENFPDSS DLYSEI
29042	Q2V2M9	1290	SGKFSGS SPAPPS
29043	Q2V2M9	1291	GKFSGS PAPP SQ
29044	Q2V2M9	1296	SSPAPPS QPQGLS
29045	Q2V2M9	1337	LGVTRTR S RASRGS
29046	Q2V2M9	1340	RTRSRA S RGSTSS
29047	Q2V2M9	1343	SRASRG STSSWTM
29048	Q2V2M9	1378	SATQVPS QRVVPR
29049	Q3MHD2	10	PPGEYF S VGSQVS
29050	Q3MHD2	13	EYFSVGS QVSCRT
29051	Q3MHD2	16	SVGSQV S CRT CQE
29052	Q3MHD2	36	VAFDYQS KMLALK
29053	Q3MHD2	45	LALKCP S SSGKPN
29054	Q3MHD2	46	ALKCPSS SGKPNH
29055	Q3MHD2	47	LKCPSS SGKPNHA
29056	Q3MHD2	64	INLQYV S E VE I IN
29057	Q3MHD2	81	TPPPLAS LNVSKL
29058	Q3MHD2	85	LASLN VSK LASKA
29059	Q3MHD2	89	NVSKL AS KARTEK
29060	Q3MHD2	100	EKEEKLS QAYA IS
29061	Q3MHD2	106	SQAYA IS AGVS LE
29062	Q3MHD2	110	AISAGV S LEGQQL
29063	Q3MHD2	157	CKGKEGS AL SHVR
29064	Q3MHD2	160	KEGSALS HVRKIV
29065	Q3MHD2	175	HFRDV E S QKILQR
29066	Q3MHD2	182	QKILQR S QAQQPQ
29067	Q3SXM5	17	YREIARS CNCYME
29068	Q3SXM5	37	WYTARKS ITVICD
29069	Q3SXM5	46	VICDFY S LIRLHF
29070	Q3SXM5	58	FIPRLGS RADLIK
29071	Q3SXM5	73	GRWAVV S GATDGI

29072	Q3SXM5	89	YAEELASRGLNII
29073	Q3SXM5	98	LNIILISRNEEKL
29074	Q3SXM5	127	IIVADFSGREIY
29075	Q3SXM5	128	IVADFSSGREIYL
29076	Q3SXM5	166	QYFTQLSEDKLWD
29077	Q3SXM5	182	VNIAAASLMVHV
29078	Q3SXM5	204	GAIVTISGSCCK
29079	Q3SXM5	205	AIVTIISGSCCKP
29080	Q3SXM5	207	VTISSLGSCCKPTP
29081	Q3SXM5	219	PQLAAFSASKAYL
29082	Q3SXM5	221	LAAFSASKAYLDH
29083	Q3SXM5	229	AYLDHFSRALQYE
29084	Q3SXM5	238	LQYEYASKGIFVQ
29085	Q3SXM5	245	KGIFVQSLIPFYV
29086	Q3SXM5	254	PFYVATSMAPS
29087	Q3SXM5	259	TSMTAPSNFLHRC
29088	Q3SXM5	266	NFLHRCSSLVPSP
29089	Q3SXM5	271	CSSLVPSPKVYAH
29090	Q3SXM5	281	YAHHAVSTLGISK
29091	Q3SXM5	286	VSTLGISKRTTGY
29092	Q3SXM5	294	RTTGYWSSHISIQFL
29093	Q3SXM5	296	TGYWSHSIQFLFA
29094	Q3SXM5	320	ANILNRSLRKEAL
29095	Q3V6T2	182	MEVTDMSQEDIEP
29096	Q3V6T2	208	DERDEHSETIIEL
29097	Q3V6T2	215	ETIIELSEERDGL
29098	Q3V6T2	422	EMAQKQSMDESILH
29099	Q3V6T2	471	LEMENQSLTKTVE
29100	Q3V6T2	504	KENQRLSKKVEIL
29101	Q3V6T2	549	ETLRENSERQIKI
29102	Q3V6T2	568	HLNQTVSCLRQRS
29103	Q3V6T2	666	ALEQENSELEREN
29104	Q3V6T2	681	LKKTLDSFKNLTF
29105	Q3V6T2	775	QKTLSENSKKIQQ
29106	Q3V6T2	879	IGIYKESCVRLKE
29107	Q3V6T2	1019	EERMVQSSPPISG
29108	Q3V6T2	1116	ENSTLNSQSTS
29109	Q3V6T2	1118	STLNSQSTS
29110	Q3V6T2	1141	LENENESVIKERE
29111	Q3V6T2	1179	EYESLISKHGTLK
29112	Q3V6T2	1186	KHGTLKSAHKNLE
29113	Q3V6T2	1406	MRKLIKSKKDINR
29114	Q3V6T2	1425	TLTPTRSDSSEG
29115	Q3V6T2	1540	TTAINFS
29116	Q3V6T2	1544	TVNSSA
29117	Q3V6T2	1550	NFSTVNS
29118	Q3V6T2	1566	SAGFRSKQLVNN
29119	Q3V6T2	1596	TSFEDIS
29120	Q3V6T2	1640	PQGVSD
29121	Q3V6T2	1695	SGRTSTSNSNNNA
29122	Q3V6T2	1734	AWSSSGSPIQYL
29123	Q3V6T2	1787	ESNKLTSVQIKSS
29124	Q3V6T2	1807	SCGLARSVSGKTP
29125	Q3V6T2	1810	IKLVKES
29126	Q4G163	11	SLSRQS
29127	Q4G163	21	TLPRASSVISTAE
29128	Q4G163	36	RASSVI
29129	Q4G163	53	STAEGTT
			DKDERIS
			CLEAYV
			AYVTLTSKSSRFT
			TEILKMSQRHSGQ
			AGNGADS
			PIIVNS

29130	Q4G163	71	RDFCSTS <small>S</small> FQDSG
29131	Q4G163	161	RRRLNVS <small>S</small> FALLKG
29132	Q4G163	171	LKGDFESQNSSL
29133	Q4G163	179	NSSLESSISQVIN
29134	Q4G163	204	SRANNFSPLVTST
29135	Q4G163	238	TSTIDDSKDDCSL
29136	Q4G163	251	FEVECISPIQGNN
29137	Q4G163	261	GNNFKDSITHDFS
29138	Q4G163	288	LLGSSVS <small>S</small> GTTCGT
29139	Q4G163	315	NIRFNASQILSPS
29140	Q4G163	321	SQILSPSPEVRGS
29141	Q4G163	327	SPEVRGSISTPED
29142	Q4G163	334	ISTPEDSGFNSLS
29143	Q4G163	385	GRSRRLLSTLREQS
29144	Q4G163	407	QIVHPDSEKRAAA
29145	Q4G163	415	KRAAAASAISEGQ
29146	Q4G163	418	AAASAISEGQLSS
29147	Q4G163	423	ISEGQLSSDESGD
29148	Q4G163	424	SEGQLSSDESGDL
29149	Q4G163	427	QLSSDESGLTFS
29150	Q4G163	438	FSLKNLSKTPALQ
29151	Q4G163	524	TAESLCSVWKVSR
29152	Q4G163	529	CSVWKVS <small>S</small> RNWREI
29153	Q4G163	557	TQLKTDSSEGAVLN
29154	Q4G163	577	LQLLNRSALRSVQ
29155	Q4G163	591	QARIPGSQREQGS
29156	Q4G163	611	VLTPLASSSVTHL
29157	Q4G163	612	LTPLASSSVTHLS
29158	Q4G163	659	KKRGLCSRTACGF
29159	Q53EL6	20	ADPDNLSDSLFSG
29160	Q53EL6	22	PDNLSDSLFSGDE
29161	Q53EL6	25	LSDSLFSGDEENA
29162	Q53EL6	46	INGNWIASSINE
29163	Q53EL6	48	GNWISASSINEAR
29164	Q53EL6	49	NWISASSINEARI
29165	Q53EL6	82	SVSDSGSDALRSG
29166	Q53EL6	87	GSDALRSGLTVPT
29167	Q53EL6	104	RLLDRRSRSGKGR
29168	Q53EL6	106	LDRRSRSRGKGRGL
29169	Q53EL6	198	NLGEMKS <small>S</small> GVPVLA
29170	Q53EL6	206	VPVLAVS <small>S</small> ALEGK
29171	Q53EL6	214	ALEGKASHREMTS
29172	Q53EL6	220	SHREMTSKLLSDL
29173	Q53EL6	224	MTSKLLSDLCGTV
29174	Q53EL6	232	LCGTVMS <small>S</small> TTDVEK
29175	Q53EL6	239	TTDVEKSFDKLLK
29176	Q53EL6	281	CNTYIDSYKGTVD
29177	Q53EL6	303	KATVLLSMSKGK
29178	Q53EL6	305	TVLLSMSKGGKRK
29179	Q53EL6	323	SGGGQQSVNHLVK
29180	Q53EL6	341	LKEYLLSGDISEA
29181	Q53EL6	345	LLSGDISEAHEHCL
29182	Q53EL6	374	IIMVLESTGESTF
29183	Q53EL6	378	LESTGESTFKMIL
29184	Q53EL6	389	ILDLLKSLWKSST
29185	Q53EL6	393	LKSLWKSSTITVD
29186	Q53EL6	394	KSLWKSSTITVDQ
29187	Q53EL6	422	NLDVPHSYSVLER

29188	Q53EL6	424	DVPHSY S VLERFV
29189	Q53EL6	449	LRDLCPS R GRKRF
29190	Q53ETO	49	VMMDIGS T RLQAQ
29191	Q53ETO	65	LAYTRSSHYGGSL
29192	Q53ETO	95	HSPLDSS R STRHH
29193	Q53ETO	97	PLDSSRS T RHHGL
29194	Q53ETO	141	LSPPPES S WRRTM
29195	Q53ETO	142	SPPPESS W RRTMA
29196	Q53ETO	173	NRTSSD S ALHTSV
29197	Q53ETO	178	DSALHT S VMNPSP
29198	Q53ETO	195	PGPTPPS I LPSRR
29199	Q53ETO	237	DAKKLSS SS SRPR
29200	Q53ETO	300	EETAYPS L SGGNS
29201	Q53ETO	339	GLHSPL S HPSLQS
29202	Q53ETO	342	SPLSHPS L QSSL
29203	Q53ETO	346	HPSLQSS L SNPNL
29204	Q53ETO	348	SLQSSL S NPNLQA
29205	Q53ETO	355	NPNLQAS L SSPQP
29206	Q53ETO	366	QPQLQGS H SHPSL
29207	Q53ETO	391	TSLGHPS L SAPAL
29208	Q53ETO	398	LSAPAL S SSSSSS
29209	Q53ETO	400	APALSSSSSSST
29210	Q53ETO	401	PALSSSSSSSTS
29211	Q53ETO	415	PVLGAPS Y PASTP
29212	Q53ETO	419	APSYP A STPGASP
29213	Q53ETO	460	QFSPTMS P TLSSI
29214	Q53ETO	464	TMSPTL S ITQGV
29215	Q53ETO	465	MSPTL S ITQGVP
29216	Q53ETO	504	QPHTPKS L QQPGL
29217	Q53ETO	516	LPSQSCS V QSSGG
29218	Q53ETO	546	SGHGQQS Y HRPMS
29219	Q53ETO	579	LDPPGF S EGPGFL
29220	Q53ETO	628	DSSPGF S KEIAAA
29221	Q53EZ4	12	TKDLIK S KWGSKP
29222	Q53EZ4	16	IKSKWGS K PSNSK
29223	Q53EZ4	19	KWGSK P NSKSET
29224	Q53EZ4	21	GSKPSN S KSETTL
29225	Q53EZ4	23	KPSNSK S ETTLEK
29226	Q53EZ4	40	IAHLKT S VDEITS
29227	Q53EZ4	46	SVDEITS G KGKLT
29228	Q53EZ4	96	QLKARY S TTTLE
29229	Q53EZ4	122	QVLKAL S EEKDVL
29230	Q53EZ4	133	VLKQQL S AATSRI
29231	Q53EZ4	137	QLSAAT S RIAEL
29232	Q53EZ4	144	RIAEL E SKNTLR
29233	Q53EZ4	152	TNTLRL S QTVA
29234	Q53EZ4	162	APNCFN S SINNIH
29235	Q53EZ4	163	PNCFN S SINNIHE
29236	Q53EZ4	215	TETAAHS L PQQTK
29237	Q53EZ4	225	QTKKP E SEGYLQE
29238	Q53EZ4	243	YNDLLAS A KKDLE
29239	Q53EZ4	259	QTITQL S FELSEF
29240	Q53EZ4	263	QLSFEL E FRRKY
29241	Q53EZ4	285	LNQLLYS Q RRADV
29242	Q53EZ4	325	EEEKKR S EELLSQ
29243	Q53EZ4	330	RSEELL S QVQFLY
29244	Q53EZ4	338	VQFLYT S LLKQQE
29245	Q53EZ4	396	QITQLES L KQLHE

29246	Q53FA7	24	KEVAKPS PGEGEV
29247	Q53FA7	37	LLKVAAS ALNRAD
29248	Q53FA7	58	DPPPGAS NILGLE
29249	Q53FA7	66	IILGLEAS GHVAEL
29250	Q53FA7	151	LIHAGLS GVGTAAC
29251	Q53FA7	174	PLVTAGS QKKLQM
29252	Q53FA7	198	YKKEDF SEATLK
29253	Q53FA7	220	LDCIGGS YWEKNV
29254	Q53FA7	252	INGPLFS KLLFKR
29255	Q53FA7	260	LLFKRGSLITSLL
29256	Q53FA7	264	RGSLITS LLRSRD
29257	Q53FA7	268	ITSLLRS RDNKYK
29258	Q53FA7	290	QILPHF STEGPQR
29259	Q53GL7	37	FENRRRS GGGPVL
29260	Q53GL7	44	GGGPVLS WQRLGC
29261	Q53GL7	116	QALLRAS GLPVQP
29262	Q53GL7	128	PCCALAS PRPDRA
29263	Q53GL7	165	LEGTLVS LARVPQ
29264	Q53GL7	183	VVGDGAS VDLLLL
29265	Q53GL7	199	LENERRS GGGPLE
29266	Q53GL7	239	EHRLQGSELSLVP
29267	Q53GL7	260	ELAENT SGGDHPS
29268	Q53GL7	266	SGGDHPS TQGPRA
29269	Q53GL7	297	GTVTMGS GEEPGQ
29270	Q53GL7	304	GEEPGQS GASLRT
29271	Q53GL7	307	PGQSGAS LRTGPM
29272	Q53GL7	334	PGQSGTS LRTGPM
29273	Q53GL7	350	GQAEQVS SMPMGS
29274	Q53GL7	351	QAEQVSS SMPMGSL
29275	Q53GL7	364	EHEGLVS LRPVGL
29276	Q53GL7	378	EQECPMS LGPVGS
29277	Q53GL7	384	SLGPVGS AGPVET
29278	Q53GL7	391	AGPVET SKGLLGQ
29279	Q53GL7	407	VEIAMDS PEQEGL
29280	Q53GL7	503	AEEFLRS LLGSIS
29281	Q53GL7	509	SLLGSIS CHVLCL
29282	Q53GL7	520	CLEHPGS ARFLLG
29283	Q53GL7	713	AQLVVHS AFEQDV
29284	Q53GL7	761	ERCHGV SVALRGD
29285	Q53GL7	796	AGPWDQS LAFPLA
29286	Q53GL7	804	AFPLAAS GPTLAG
29287	Q53GL7	847	LDAARSS IRVVRV
29288	Q53GL7	905	AHGFnRS FCGRNA
29289	Q53GL7	925	YFARRAS LSVQDR
29290	Q53GL7	933	SVQDRYS PPNADG
29291	Q53GL7	1016	ASPDDPS GLPGRS
29292	Q53H47	88	CLPGTC SCLRHGE
29293	Q53H47	100	ENYDDNS CLRDIG
29294	Q53H47	107	CLRDIGS GGKYAE
29295	Q53H47	125	NVLRCRS DHCRNR
29296	Q53H47	176	GEVLGF S EVQRRI
29297	Q53H47	190	LQTKSDS NYIIAI
29298	Q53H47	225	GRFLNH S CEPNLL
29299	Q53H47	239	IPVRIDS SMVPKLA
29300	Q53H47	263	ELSYDYS GRYLN
29301	Q53H47	272	YLNLT V S E DKERL
29302	Q53H47	293	CYCGAKS CTAFLP
29303	Q53H47	302	AFLPFDS SLYCPV

29304	Q53H47	303	FLPFDS S LYCPVE
29305	Q53H47	311	YCPVEK S NISCGN
29306	Q53H47	314	VEKSNI S CGNEKE
29307	Q53H47	322	GNEKEP S MCGSAP
29308	Q53H47	326	EPSMC G SAPSVP
29309	Q53H47	329	MCGSAP S VFPSC
29310	Q53H47	333	APSVF P SKRLTL
29311	Q53H47	399	FCKGDE S LEDEER
29312	Q53H47	406	LEDEERS GR PSEV
29313	Q53H47	410	ERSGRP S EVDNDQ
29314	Q53H47	441	ELNVNH S TVVRHL
29315	Q53H47	476	NRRFEV S SSLILR
29316	Q53H47	477	RRFEV S SSLILRN
29317	Q53H47	538	MVTIWW S AAGLIH
29318	Q53H47	546	AGLIHY S FLNPGE
29319	Q53H47	616	LPHPPY S PDLLPT
29320	Q53H47	655	FQE VES QSTDFY
29321	Q53H47	657	EFVES Q STDFYAT
29322	Q53H47	670	GINQLI S RWQKCV
29323	Q53HL2	8	APRKGS S RVAKTN
29324	Q53HL2	15	RVAKTNS L RRRKL
29325	Q53HL2	23	RRRK L ASFLKDFD
29326	Q53HL2	41	RIKQIE S DRQNLL
29327	Q53HL2	148	VKRCPP S KKRTQS
29328	Q53HL2	154	SKKRT Q S I QGKGK
29329	Q53HL2	164	KGKGKRS S RANTV
29330	Q53HL2	180	VGRLEV S MVKPTP
29331	Q53HL2	194	LTPRFDS R VFKTP
29332	Q53HL2	215	ERIYN I S G NGSPL
29333	Q53HL2	250	SDLQRH S IAQLDP
29334	Q53HL2	266	GNIKKL S NRLAQI
29335	Q5FBB7	10	ERCLK K S F QDSLE
29336	Q5FBB7	38	EIGKRR S FIAAPC
29337	Q5FBB7	73	ALENEK S KVKEAQ
29338	Q5FBB7	105	LKGKLT S QQTVEP
29339	Q5FBB7	119	QNQEIC S SGMDPN
29340	Q5FBB7	129	DPNSSDD S SRNLFV
29341	Q5FBB7	130	PNSDD S SRNLFVK
29342	Q5FBB7	154	LPGQ G E S FQIEDQ
29343	Q5FBB7	193	RTVS V RS S LKKHC
29344	Q5FBB7	207	SICQFD S LDDFET
29345	Q5FBB7	214	LDDFET S LAGKS
29346	Q5FBB7	220	SHLAG K S E FERV
29347	Q5FBB7	277	DILESK S EQTKSK
29348	Q5FBB7	282	KSEQTK S KQRDTQ
29349	Q5FBB7	303	KANRRK S KRMSKY
29350	Q5FBB7	314	KYKENK S ENKKT
29351	Q5FBB7	330	KMHKS V S S NDAYN
29352	Q5FBB7	353	PFRQKV S NDNSRE
29353	Q5FBB7	356	QKVSND S NREENN
29354	Q5FBB7	367	NNES E V S LCESSG
29355	Q5FBB7	371	EVSLCE S SGSGDD
29356	Q5FBB7	372	VSLCESS G SGGDDS
29357	Q5FBB7	374	LCESS G S G DDSD
29358	Q5FBB7	394	YIQNPT S NSDRPV
29359	Q5FBB7	396	QNPTSN S DRPVTR
29360	Q5FBB7	420	EKETEG S KPTKTP
29361	Q5FBB7	448	KDITNV S LYPVVK

29362	Q5FBB7	468	PKKNKASPAVALP
29363	Q5FBB7	491	KEPTLASKLRRGD
29364	Q5FBB7	527	KRALEVSPAKEAI
29365	Q5FBB7	544	YVREFVSRFPDCR
29366	Q5FYB1	8	HTLTGFSLVSLLS
29367	Q5FYB1	11	TGFSLVSSLFGY
29368	Q5FYB1	14	SLVSSLFGYLSW
29369	Q5FYB1	19	LSFGYLSWDWAKP
29370	Q5FYB1	40	EAGEQPSAAPPQP
29371	Q5FYB1	67	DVGYHGSDIETPT
29372	Q5FYB1	96	QPICTPSRSQLLT
29373	Q5FYB1	98	ICTPSRSQLTGR
29374	Q5FYB1	114	HTGLQHSIIRPQQ
29375	Q5FYB1	141	LQEAGYSTHMVGK
29376	Q5FYB1	170	FDTFLGSLTGNVD
29377	Q5FYB1	204	NVAWGLSGQYSTM
29378	Q5FYB1	208	GLSGQYS TMLYAQ
29379	Q5FYB1	217	LYAQRA SHILASH
29380	Q5FYB1	222	ASHILASHSPQRP
29381	Q5FYB1	224	HILASHSPQRPLF
29382	Q5FYB1	244	VHTPLQS PREYLY
29383	Q5FYB1	290	YGFYNNSVIIFSS
29384	Q5FYB1	295	NSVIIFS SDNGGQ
29385	Q5FYB1	296	SVIIFSS DNGGQT
29386	Q5FYB1	304	NGGQTFSGGSNWP
29387	Q5FYB1	331	GLGFVHSPLLKRK
29388	Q5FYB1	341	KRKQRTS RALMHI
29389	Q5FYB1	363	LAGGTTSAADGLD
29390	Q5FYB1	378	DVWPAISEGRASP
29391	Q5FYB1	383	ISEGGRAS PRTEIL
29392	Q5FYB1	403	NHAQHGSLEGGFG
29393	Q5FYB1	457	NLERMASVRQAVW
29394	Q5FYB1	468	VWL FNISADPYER
29395	Q5FYB1	525	AWGPWASDEEEEE
29396	Q5FYB1	538	EEGRARSFSRGRR
29397	Q5FYB1	540	GRARSFSRGRRKK
29398	Q5FYB1	555	KICKLRSFFRKLN
29399	Q5JRA6	33	STGRRFSEHKLCA
29400	Q5JRA6	194	ESDSVFSENTEDL
29401	Q5JRA6	215	HHSHANSQANHAQ
29402	Q5JRA6	252	NKTSNSSQVSNEQ
29403	Q5JRA6	255	SNSSQVSNEQDKI
29404	Q5JRA6	281	LTKT KFGSTDALV
29405	Q5JRA6	405	DTMDLES SSEE
29406	Q5JRA6	407	MDLESSS SEEEKE
29407	Q5JRA6	408	DLESSS SSEEKED
29408	Q5JRA6	435	QSATDYSDPDNVD
29409	Q5JRA6	498	GMTVHSSVHSNNL
29410	Q5JRA6	633	QNQPRFSSPDEID
29411	Q5JRA6	678	SEKIRLSEGEAKE
29412	Q5JRA6	718	GGPAFLSKVEEDD
29413	Q5JRA6	742	AINAKRSKEKNPG
29414	Q5JRA6	961	MSSKLKS AQQESL
29415	Q5JRA6	982	DKVFRASESQILS
29416	Q5JRA6	988	SEQILSIAEKML
29417	Q5JRA6	1096	IGDTHASEVSQKP
29418	Q5JRA6	1151	AILLIYSFMFYLT
29419	Q5JRA6	1217	VTEQQISSEKLKT

29420	Q5JRA6	1323	VISMNASEFSEVQ
29421	Q5JRA6	1326	MNASEFSEVQIAL
29422	Q5JRA6	1387	IKSFEKSQKDLEV
29423	Q5JRA6	1419	NLLECESESEGQN
29424	Q5JRA6	1421	LECESESEGQNKG
29425	Q5JRA6	1465	RTQTAISVVEEDL
29426	Q5JRA6	1717	LPHPRWSAEASGK
29427	Q5JRA6	1731	SPSDPGSGTATMM
29428	Q5JRA6	1744	NSSSRGS PTRVL
29429	Q5JRA6	1847	PFRPLGS LGPREY
29430	Q5JVF3	19	VYEAIDS RDGASC
29431	Q5JVF3	24	DSRDGAS CAELVS
29432	Q5JVF3	30	SCAELVS FKHPHV
29433	Q5JVF3	45	PRQLQMAS PEEKCQ
29434	Q5JVF3	90	QTIVIVQS FLRAFQ
29435	Q5JVF3	132	LVKKGKSK VGDML
29436	Q5JVF3	147	AAELLMS CFRVCA
29437	Q5JVF3	154	CFRVCAS DTRAGI
29438	Q5JVF3	163	RAGIEDSKWGML
29439	Q5JVF3	197	LIRAIDS SNLKDD
29440	Q5JVF3	198	IRAIIDSS SNLKDDY
29441	Q5JVF3	205	NLKDDY STAQRVT
29442	Q5JVF3	224	RKAMFDS DFKQAE
29443	Q5JVF3	234	QAEEYL SFAFEHC
29444	Q5JVF3	243	FEHCHR SS QKNKR
29445	Q5JVF3	244	EHCHR SS QKNKRM
29446	Q5JVF3	287	EVTRAVS EGNLLL
29447	Q5JVF3	339	LKTHQLS LDAFLV
29448	Q5JVF3	378	HVKGYI SHQHQKL
29449	Q5JVF3	387	HQKLVVS KQNPFP
29450	Q5KSL6	50	PLLSEAS PEPIPE
29451	Q5KSL6	71	PCPEAT S E SATEL
29452	Q5KSL6	121	PEPATES APEPTP
29453	Q5KSL6	212	RTPMSWS RIKKIL
29454	Q5KSL6	269	QATVAES SCRNL C
29455	Q5KSL6	270	ATVAESS CRNLCH
29456	Q5KSL6	333	MHCWYSS YSHRTQ
29457	Q5KSL6	365	EVCKVKS HRLCAL
29458	Q5KSL6	421	CHESGSY QRLQD
29459	Q5KSL6	435	RCLWCNS TVHDDC
29460	Q5KSL6	446	DCRRRF SK ECCR
29461	Q5KSL6	457	FRSHRSSV IPPTA
29462	Q5KSL6	465	IPPTAL S DPKGDG
29463	Q5KSL6	477	GQLVVSS DFWNLD
29464	Q5KSL6	485	FWNLDWS SACSCP
29465	Q5KSL6	489	DWSSACSC PLLIF
29466	Q5KSL6	500	IFINSKS GDHQGI
29467	Q5KSL6	595	GAFWNKS KSPLDI
29468	Q5KSL6	597	FWNKS KSPLDILN
29469	Q5KSL6	715	LMYDRLS VLIDVL
29470	Q5KSL6	729	EEAAATS AEKSAT
29471	Q5KSL6	828	GTLSSI S LKSED
29472	Q5KSL6	871	GLDAKIS LDFNTR
29473	Q5KSL6	907	KELLQRS YRKLEE
29474	Q5KSL6	925	CDGETIS LPNLQG
29475	Q5KSL6	939	VVLNITS YAGGIN
29476	Q5KSL6	1125	IFYGQDS GNEMGA
29477	Q5KSL6	1151	AVDVTF S LKGLYD

29478	Q5KSL6	1192	KEFKKLSEIDWMN
29479	Q5KSL6	1208	VPEEKSSDTDSRS
29480	Q5KSL6	1212	KSSDTSRSLRLK
29481	Q5KSL6	1237	EERKPKSQSVQS
29482	Q5KSL6	1243	SGQSVQSFIGNLW
29483	Q5SQ64	37	VELPCPSPTLHG
29484	Q5SQ64	48	HGDEHLSWFCSPA
29485	Q5SQ64	52	HLSWFCSPAAGSF
29486	Q5SQ64	57	CSPAAGSFETTLVA
29487	Q5SQ64	81	GKPGRESRLRLLG
29488	Q5SQ64	90	RLLGNYSLWLEGS
29489	Q5SQ64	96	SLWLEGSKEEDAG
29490	Q5SQ64	129	VLVLKGSQLSARA
29491	Q5SQ64	132	LKGSQLSARAADG
29492	Q5SQ64	139	ARAADGSPCNVLL
29493	Q5SQ64	147	CNVLLCSVVPSRR
29494	Q5SQ64	151	LCSVVPSRRMDSV
29495	Q5SQ64	156	PSRRMDSVTWQEG
29496	Q5SQ64	172	VRGRVQSFWGSEA
29497	Q5SQ64	176	VQSFWGSEAALLL
29498	Q5SQ64	190	CPGEGLSEPRSRR
29499	Q5SQ64	194	GLSEPRSRPPII
29500	Q5SQ64	211	THNKGVFSFLAAS
29501	Q5SQ64	213	NKGVSFSLAASID
29502	Q5SQ64	217	SFLAASIDASPA
29503	Q5SQ64	221	AASIDASPALCAP
29504	Q5SQ64	228	PALCAPSTGWDMP
29505	Q5SQ64	253	VVILALSIVLWRQ
29506	Q5SQ64	270	APGRDASIPQFKP
29507	Q5T1C6	27	GRRLPGSEPRPEL
29508	Q5T1C6	35	PRPELRSFSSEEV
29509	Q5T1C6	47	VILKDCSVPNPSW
29510	Q5T1C6	52	CSVPNPSSWNKDLR
29511	Q5T1C6	72	KKCEDGSWKRLPS
29512	Q5T1C6	78	SWKRLPSYKRTPT
29513	Q5T1C6	106	MKEEQMSQAQLFT
29514	Q5T1C6	114	AQLFTRSFDGLG
29515	Q5T1C6	192	RPIPLCSVVMINS
29516	Q5T1C6	198	SVVMINSQLDKVE
29517	Q5T1C6	211	GRKFFVSCNVQSV
29518	Q5T1C6	216	VSCNVQSVDEKTL
29519	Q5T1C6	224	DEKTLYSEATSLF
29520	Q5T1C6	228	LYSEATSFLFIKLN
29521	Q5TA31	69	PGRPPLSRRLLAL
29522	Q5TA31	89	ARDGPASEAALQL
29523	Q5TA31	135	GKENKGSVEIMRK
29524	Q5TA31	155	LHGQAESAAAVWK
29525	Q5TA31	213	PTERFRSLLQAVS
29526	Q5TA31	219	SLLQAVSELEKKH
29527	Q5TAQ9	18	TDLANGSLSSSPE
29528	Q5TAQ9	22	NGSLSSSPEEMSG
29529	Q5TAQ9	27	SSPEEMSGAEEGR
29530	Q5TAQ9	37	EGRETSSGIEVEA
29531	Q5TAQ9	44	GIEVEASDLSLSL
29532	Q5TAQ9	49	ASDLSLSLTGDDG
29533	Q5TAQ9	61	GGPNRTSTESRGT
29534	Q5TAQ9	64	NRTSTESRGTDTE
29535	Q5TAQ9	78	SGEDKDSDSMEDT

29536	Q5TAQ9	99	NRVHDR\$EEEEEE
29537	Q5TAQ9	129	ANRDQDS\$SDDERA
29538	Q5TAQ9	130	NRDQDSS\$DDERAL
29539	Q5TAQ9	142	LEDWVS\$SETSALP
29540	Q5TAQ9	165	RERELGS\$SARFVY
29541	Q5TAQ9	210	RGTWLAS\$GSDDLK
29542	Q5TAQ9	248	AKFLPN\$GDSTLA
29543	Q5TAQ9	251	LPNSGD\$TLAMCA
29544	Q5TAQ9	295	LALEPD\$PCTFLS
29545	Q5TAQ9	320	RQDRPAS\$KLVVTK
29546	Q5TAQ9	386	HLVNSE\$KANITC
29547	Q5TAQ9	396	ITCLVY\$HDGTEL
29548	Q5TAQ9	405	GTELLAS\$YNDEDI
29549	Q5TAQ9	416	DIYLFNS\$SHSDGA
29550	Q5TAQ9	417	IYLFN\$SHSDGAQ
29551	Q5TAQ9	447	NFYGPK\$EFVVSG
29552	Q5TAQ9	452	KSEFVV\$GSDCGH
29553	Q5TAQ9	454	EFVVSG\$DCGHIF
29554	Q5TAQ9	466	FLWEK\$SCQIIQF
29555	Q5TAQ9	496	LPVLAT\$GLDHDV
29556	Q5TAQ9	512	APTAEA\$TELTLG
29557	Q5TAQ9	542	QTDLFD\$HMLWFL
29558	Q5TAQ9	576	DADSDES\$PSSSDT
29559	Q5TAQ9	579	SDESPSS\$DTSDDE
29560	Q5VT25	27	TNGQCF\$VETLLD
29561	Q5VT25	267	PECDWWS\$LGVCMY
29562	Q5VT25	344	KKHPFF\$GIDWDN
29563	Q5VT25	381	DDCLKN\$ETMPPPP
29564	Q5VT25	406	VGFTYT\$SCVLSD
29565	Q5VT25	459	QEKLEL\$RKLOES
29566	Q5VT25	484	DGPLTAS\$KDLEIK
29567	Q5VT25	643	ALAAEAS\$KDRKLR
29568	Q5VT25	672	LKQKQIS\$YSPGVVC
29569	Q5VT25	674	QKQISYS\$PGVCSI
29570	Q5VT25	750	EKTRRES\$QSREE
29571	Q5VT25	794	TLYENL\$IHQQQL
29572	Q5VT25	813	LADKKE\$VAHWREA
29573	Q5VT25	906	LNKVKA\$NIITEC
29574	Q5VT25	1131	QPSVVIS\$QVIDMR
29575	Q5VT25	1171	VTASQL\$ASNNKC
29576	Q5VT25	1212	NKFRDRS\$VYVPKE
29577	Q5VT25	1429	YLLCFNS\$IGIYTD
29578	Q5VT25	1463	YNAPYLS\$VYSENA
29579	Q5VT25	1616	GSVSIPS\$ITKSRP
29580	Q5VT25	1620	IPSITKS\$RPEPGR
29581	Q5VT25	1627	RPEPGR\$SMSASSG
29582	Q5VT25	1629	EPGRSMS\$ASSGLS
29583	Q5VT25	1631	GRSMSAS\$GLSAR
29584	Q5VT25	1671	PSEGSL\$SGGMDQ
29585	Q5VT25	1679	GGMDQGS\$DAPARD
29586	Q5VT25	1691	DFDGED\$DSPRHS
29587	Q5VT25	1697	SDSPRH\$TASNSS
29588	Q5VT25	1703	STASNSS\$NLSSPP
29589	Q5VT25	1707	NSSNLSS\$PPSPAS
29590	Q5VT25	1724	KSLSLES\$TDRGSW
29591	Q5VTD9	9	RSFLVK\$KKAHTY
29592	Q5VTD9	41	PRDQAPSNSPVLS
29593	Q5VTD9	43	DQAPSNS\$PVLSTL

29594	Q5VTD9	47	SNSPVLS T LFPNQ
29595	Q5VTD9	86	EGPIVLS R PQDGD
29596	Q5VTD9	93	RPQDGDS P LSDSP
29597	Q5VTD9	96	DGDSPLS D SPPFY
29598	Q5VTD9	98	DSPLSDS P PFYKP
29599	Q5VTD9	105	PPFYKPS F SWDTL
29600	Q5VTD9	107	FYKPSF S WDTLAT
29601	Q5VTD9	124	SYRQAPS T MQSAF
29602	Q5VTD9	134	SAFLEHS V SLYGS
29603	Q5VTD9	136	FLEHSV S LYGSPL
29604	Q5VTD9	140	SVSLYGS P LVPST
29605	Q5VTD9	145	GSPLVPS T EPA LD
29606	Q5VTD9	153	EPALDF S LRYSPG
29607	Q5VTD9	157	DFSLRY S PGMDAY
29608	Q5VTD9	173	KCNKVFS T PHGLE
29609	Q5VTD9	185	EVHVRRSHSGTRP
29610	Q5VTD9	187	HVRSHSGTRPFA
29611	Q5VTD9	206	TFGHAVS L EQHTH
29612	Q5VTD9	215	QHTHVHS Q ERSFE
29613	Q5VTD9	219	VHSQERS F E CRMC
29614	Q5VTD9	232	GKA FKRS S TLSTH
29615	Q5VTD9	233	KAFKRS S TLSTHL
29616	Q5VTD9	236	KRSSTL S THLLIH
29617	Q5VTD9	243	THLLIHS D TRPY P
29618	Q5VTD9	261	KRFHQKS D MKKHT
29619	Q5VTD9	286	VCGKAFS Q SSNLI
29620	Q5VTD9	288	GKA FSQ S NLITH
29621	Q5VTD9	289	KA FSQ S NLITHS
29622	Q5VTD9	295	SNLITH S RKHTGF
29623	Q5VTD9	305	TGFKPF S CELC TK
29624	Q5VWQ8	10	GGSARKS T GRSSY
29625	Q5VWQ8	35	QRSRSRS R TRPAR
29626	Q5VWQ8	50	PQERPGS R RS LPG
29627	Q5VWQ8	53	RPGSRRS L PGSLS
29628	Q5VWQ8	68	SPSM EP S AATPFR
29629	Q5VWQ8	92	SI KRTKS Q PKLDR
29630	Q5VWQ8	139	SHESLLS P SSAVE
29631	Q5VWQ8	150	VEALDLS M EEEVV
29632	Q5VWQ8	177	FEVTTSS G SKCFS
29633	Q5VWQ8	183	SGSKCFS C RSAAE
29634	Q5VWQ8	208	HPNKDNS R RVEHI
29635	Q5VWQ8	289	KKERN N SYLGLVS
29636	Q5VWQ8	295	SYLGLVS L PAASV
29637	Q5VWQ8	300	VSLPAAS V AGRQF
29638	Q5VWQ8	377	TKEEMAS A LVHIL
29639	Q5VWQ8	499	LKEVFAS W RQECS
29640	Q5VWQ8	532	LC PAIMS P SLFNL
29641	Q5VWQ8	534	PAIMSP S LFNL LQ
29642	Q5VWQ8	602	SNPETL S NTAGFE
29643	Q5VWQ8	618	DLGRELS S LHSILL
29644	Q5VWQ8	658	ALSTPGS G QLPGT
29645	Q5VWQ8	679	SGSSSI S AGLQKM
29646	Q5VWQ8	717	FFVTRSS G VQPSP
29647	Q5VWQ8	722	SSGVQPS P ARSSS
29648	Q5VWQ8	842	AAGLPLS P RGLGD
29649	Q5VWQ8	851	GLGDSG S EGHSSL
29650	Q5VWQ8	863	LSSH SN E ELAAA
29651	Q5VWQ8	874	AAAKLG S FSTA AE

29652	Q5VWQ8	876	AKLGSFSTAEEEL
29653	Q5VWQ8	949	LQYPRPSSGTLAS
29654	Q5VWQ8	972	RLRQQSSSKGDS
29655	Q5WZ2	15	LQRCIVSPAGRHS
29656	Q5WZ2	21	SPAGRHSASLIFL
29657	Q5WZ2	23	AGRHSASLIFLHG
29658	Q5WZ2	30	LIFLHSGDGGQG
29659	Q5WZ2	33	LHGSGDSGQGLRM
29660	Q5WZ2	65	PTAPPRSYTpmkg
29661	Q5WZ2	74	PMKGGISNVWFDR
29662	Q5WZ2	93	CPEHLESIDVMCQ
29663	Q5WZ2	111	IIDEVKSGIKKNR
29664	Q5WZ2	124	ILIGGFSGGGCMA
29665	Q5WZ2	148	AGVFALSSFLNKA
29666	Q5WZ2	149	GVFALSSFLNKAS
29667	Q5WZ2	155	SFLNKASAVYQAL
29668	Q5WZ2	164	YQALQKSNGVLPE
29669	Q5WZ2	185	DELVLHSAEETN
29670	Q5WZ2	192	WAEETNSMLKSLG
29671	Q5WZ2	196	TNSMLKSLGVTTK
29672	Q5WZ2	205	VTTKFHSFPNVYH
29673	Q5WZ2	214	NVYHELSKTELDI
29674	Q5VY43	24	AGTLNPSDPNTCS
29675	Q5VY43	30	SDPNTCSFWESFT
29676	Q5VY43	42	TTTTKESHSRPFS
29677	Q5VY43	44	TTKESHSRPFSLL
29678	Q5VY43	97	CHGFYESRGFCVP
29679	Q5VY43	154	CSCGNNSSCDPKS
29680	Q5VY43	167	GVCSCPSSLQPPN
29681	Q5VY43	219	GPSCDVSCSQGTS
29682	Q5VY43	225	SCSQGTSGFFCPS
29683	Q5VY43	234	FCPSTHSCQNGGV
29684	Q5VY43	247	FQTPQGSCSCPBG
29685	Q5VY43	260	WMGTICSLPCPEG
29686	Q5VY43	273	FHGPNCSQECRCH
29687	Q5VY43	358	DGFYGLSCQAPCT
29688	Q5VY43	370	TCDREHSSLCHPM
29689	Q5VY43	420	GVCQATSGLCQCA
29690	Q5VY43	489	PGTWGFSNASCQ
29691	Q5VY43	493	GFSCNASCQCAHE
29692	Q5VY43	566	GARCHLSCPEGLW
29693	Q5VY43	605	PGFRGPPSCQRSCQ
29694	Q5VY43	609	GPSCQRSCQPGRY
29695	Q5VY43	705	TFGANCSCQPCQCG
29696	Q5VY43	795	HLAVAYSGRLDG
29697	Q5VY43	802	SGRLDGSEYVMPD
29698	Q5VY43	812	MPDVPPSYSHYYS
29699	Q5VY43	826	PSYHTLSQCSPNP
29700	Q5VY43	884	PLDRGSSRLDRSY
29701	Q5VY43	908	YNKGLISEEELGA
29702	Q5VY43	918	LGASVASLSENTP
29703	Q5VY43	920	ASVASLSENPYA
29704	Q5VY43	1013	YDSPKNSHIPGHY
29705	Q5XUX0	13	LCCVGPSRGCR
29706	Q5XUX0	47	EERIEASAGVGGG
29707	Q5XUX0	59	GLCAGPSPPPRC
29708	Q5XUX0	66	PPPAPCSLLELPP
29709	Q5XUX0	81	LVEIFASLPGTDL

29710	Q5XUX0	89	PGTDLPSLAQVCT
29711	Q5XUX0	130	LEITGVSCRDVYA
29712	Q5XUX0	227	VKKDEFSTKCNQT
29713	Q5XUX0	239	TDHHRMSGGRQEE
29714	Q5XUX0	294	RIYLPPSRPDDLI
29715	Q5XUX0	311	FKGTYGSHGLEIV
29716	Q5XUX0	320	LEIVMLSFHGRRA
29717	Q5XUX0	367	RNFNELSRIVLEV
29718	Q5XUX0	400	RQGPRESQPSPAQ
29719	Q5XUX0	403	PRESQPSPAQPRA
29720	Q5XUX0	413	PRAEAPSKGPDGT
29721	Q5XUX0	453	VLPVGVS SRNEDY
29722	Q5XUX0	454	LPVGVSSRNEDYP
29723	Q5XUX0	480	AGHGFTSPERTPG
29724	Q5XUX0	505	VWLELKSFSLYSR
29725	Q5XUX0	507	LELKSFSLYSRVQ
29726	Q5XUX0	510	KSFSLYSRVQATF
29727	Q5XUX0	523	RNADAPS PQAFDE
29728	Q684P5	35	QELANSS DATLPD
29729	Q684P5	57	PPTMKSSEFFEML
29730	Q684P5	128	TPTSLGS SICEEE
29731	Q684P5	182	LGNLILSVKCEEA
29732	Q684P5	200	LRVILRSKLKTVH
29733	Q684P5	219	GLSKLPSVPQIAK
29734	Q684P5	250	ASQMIVSYDEHEV
29735	Q684P5	378	VPDMIASNFLHAY
29736	Q684P5	496	HGGFLESFKRAIR
29737	Q684P5	505	RAIRVRSHSMETM
29738	Q684P5	507	IRVRSHS METMVG
29739	Q684P5	574	PRLHTGSEGQGDS
29740	Q684P5	580	SEGQGDS RARCDs
29741	Q684P5	586	SRARCDSTSSTPK
29742	Q684P5	589	RCDSTSSTPKTPD
29743	Q684P5	599	TPDGGHS SQEIKS
29744	Q684P5	600	PDGGHSS QEIKSE
29745	Q684P5	605	SSQEIKSETSSNP
29746	Q684P5	612	ETSSNPS SPEICP
29747	Q684P5	613	TSSNPSSPEICPN
29748	Q684P5	643	SSSSTSS VSSTAG
29749	Q684P5	646	STSSVSS STAGEGE
29750	Q684P5	662	EGDSGGSQPSTTS
29751	Q684P5	665	SGGSQPSTTSPFK
29752	Q684P5	678	QEVFVYS PSPSSE
29753	Q684P5	682	VYSPSPS SEPSPL
29754	Q684P5	683	YSPSPSSEPSLIG
29755	Q684P5	698	ATPIIMS RSPTDA
29756	Q684P5	706	SPTDAKS RNSPRS
29757	Q684P5	709	DAKSRNS PRSNLK
29758	Q684P5	722	FRFDKL SHASSGA
29759	Q69YN4	23	HPSAEQS SHIDVV
29760	Q69YN4	89	VFDRLGS LEYDEN
29761	Q69YN4	227	ISPDRNS VPQEGQ
29762	Q69YN4	302	DGYEQIIS DEDGI
29763	Q69YN4	352	VPLLIFSCPYKTT
29764	Q69YN4	529	GRQNEKSGYQKLL
29765	Q69YN4	578	HLAEKTSSLNPNS
29766	Q69YN4	608	ENEVEAS MDM DLL
29767	Q69YN4	616	DMDLLES SNISEG

29768	Q69YN4	790	SEETDH\$DLLGTL
29769	Q69YN4	1189	QLCDLASPTALLI
29770	Q69YN4	1234	LLDALASHKACKL
29771	Q69YN4	1301	IALILPS\$SEGSI
29772	Q69YN4	1303	LILPSS\$EGSISE
29773	Q69YN4	1316	LEQLSNSLPNKEL
29774	Q69YN4	1325	NKELMTSICDCLL
29775	Q69YN4	1387	RVVSTFSKDTGEL
29776	Q69YN4	1396	TGELASSFLEFMR
29777	Q69YN4	1444	LKQLLQSKEESPE
29778	Q69YN4	1464	KLVLEHSKDDNL
29779	Q69YN4	1507	VLSAPE\$LQNLFN
29780	Q69YN4	1567	SDFDLHSELERSF
29781	Q69YN4	1575	LERSFLSEPSSPG
29782	Q69YN4	1578	SFLSEPSSPGRTK
29783	Q69YN4	1602	HETFITS\$GKSEY
29784	Q69YN4	1647	QRKQNT\$RPPSMH
29785	Q69YN4	1691	SSRGGF\$GNRGGR
29786	Q69YN4	1728	TRGSSWSAQNTPR
29787	Q69YN4	1766	STGYRPS\$PRDRAS
29788	Q69YN4	1772	SPRDRAS\$RGRGGL
29789	Q69YN4	1781	RGGLGPS\$WASANS
29790	Q69YN4	1784	LGPSWASANSGSG
29791	Q69YN4	1801	KFVSGGS\$GRGRHV
29792	Q6AI12	32	VQKLVE\$GVDVNS
29793	Q6AI12	38	SGVDVNSQNEVNG
29794	Q6AI12	61	NHGQVVS\$YLLKSG
29795	Q6AI12	66	VSYLLKS\$GADKEI
29796	Q6AI12	85	MPVQLTS\$RREIRK
29797	Q6AI12	115	PQLKKE\$ELPFVP
29798	Q6AI12	140	TPTAEDS\$AQMQNG
29799	Q6AI12	149	MQNNGP\$TPPASP
29800	Q6AI12	154	PSTPPAS\$PPADGS
29801	Q6AI12	160	SPPADGS\$PPLLPP
29802	Q6AI12	181	FPRDHTS\$ALVQN
29803	Q6AI12	191	VQNGDV\$APSAIL
29804	Q6AI12	194	GDVSAPSAILRTP
29805	Q6AI12	202	ILRTPES\$TKPGPV
29806	Q6AI12	214	VCQPPV\$QSRSLF
29807	Q6AI12	216	QPPVSQS\$RSLFSS
29808	Q6AI12	218	PVSQSRSLFSSVP
29809	Q6AI12	221	QSRSLF\$SVPSKP
29810	Q6AI12	222	SRSLFSS\$VPSKPP
29811	Q6AI12	225	LFSSVPS\$KPPMSL
29812	Q6AI12	230	PSKPPMS\$LEPQNG
29813	Q6AI12	271	VRIQNPS\$LRENDF
29814	Q6AI12	340	ELVLMIS\$ENNLF
29815	Q6AI12	351	LFRNAAS\$TLTERP
29816	Q6B0I6	40	YIAYMES\$QGAHRA
29817	Q6B0I6	67	ETYDNIS\$EILIAT
29818	Q6B0I6	80	PLQQVAS\$GRAGVF
29819	Q6B0I6	107	YRHLANS\$KKYQTP
29820	Q6B0I6	133	KNRIYNS\$PIYGAD
29821	Q6B0I6	141	IYGADIS\$GSLFDE
29822	Q6B0I6	143	GADISGS\$LFDENT
29823	Q6B0I6	200	EDMDLYS\$INYLHL
29824	Q6B0I6	234	RELFPGS\$SRCGA
29825	Q6B0I6	250	HKVALIS\$PTVLKE

29826	Q6B0I6	308	DYGKMASQCSCGE
29827	Q6B0I6	311	KMASQCSCGEARV
29828	Q6B0I6	320	EARVTF\$MDAFAVR
29829	Q6B0I6	355	EPRVPASQELSTQ
29830	Q6B0I6	359	PASQELS\$TQKEVQ
29831	Q6B0I6	379	GLRQLPSHWARHS
29832	Q6B0I6	385	SHWARHS\$PWPMAA
29833	Q6B0I6	393	WPMAARS\$GTRCHT
29834	Q6B0I6	403	CHTLVCSS\$LPRRS
29835	Q6B0I6	404	HTLVCSS\$LPRRSA
29836	Q6B0I6	409	SSLPRRS\$AVSGTA
29837	Q6B0I6	412	PRRS\$AVSGTATQP
29838	Q6B0I6	425	RAAAVHS\$KKPSS
29839	Q6B0I6	426	AAAVHSS\$KKPSS
29840	Q6B0I6	430	HSSKKPS\$TPSST
29841	Q6B0I6	431	SSKKPS\$TPSSTP
29842	Q6B0I6	434	KPSSTPS\$TPGPS
29843	Q6B0I6	435	PSSTPS\$TPGPSA
29844	Q6B0I6	440	SSTPGPSAQIIHP
29845	Q6B0I6	447	AQIIHPSNGRRGR
29846	Q6B0I6	484	GTTCTAS\$GPEPEP
29847	Q6B0I6	505	DKPVPLS\$PGLQHP
29848	Q6B0I6	515	QHPVKAS\$GCSWAP
29849	Q6DN03	33	GKKRKRS\$RKESYS
29850	Q6DN03	39	SRKESYS\$IYVYKV
29851	Q6DN03	65	AMGIMNS\$FLNDIF
29852	Q6DN03	79	RIAGEAS\$RLAHYN
29853	Q6DN03	88	AHYNKR\$TITSRR
29854	Q6DN03	92	KRSTITS\$RRSRRP
29855	Q6DN03	95	TITSRRS\$RRPCAC
29856	Q6DN03	106	ACCCPAS\$WPSTPC
29857	Q6DN03	109	CPASWP\$TPCPRA
29858	Q6DN03	119	PRAPRRSP\$TPAP
29859	Q6DN03	121	APRRSP\$TPAPSE
29860	Q6DN03	126	PSTPAP\$ESLPGP
29861	Q6DN03	128	TPAP\$ESLPGPGA
29862	Q6DN03	136	PGPGARS\$LPPSLP
29863	Q6DN03	140	ARSLPPS\$LPPRVA
29864	Q6DN03	151	VAGCFVS\$KG\$FQG
29865	Q6DN03	154	CFVSKGS\$FQGHLT
29866	Q6DN03	162	QGHLTT\$VKESFL
29867	Q6DN03	166	TT\$VKESFLCCQS
29868	Q6DN03	172	SFLCCQS\$QLMFLA
29869	Q6DN03	179	QLMFLAS\$RLVNFR
29870	Q6DN72	48	WKNTPLS\$QVKFYR
29871	Q6DN72	62	GKFLHF\$KENQTL
29872	Q6DN72	69	KENQTL\$MGAATV
29873	Q6DN72	82	QSRGQYS\$CSGQVM
29874	Q6DN72	84	RGQYS\$CSGQVMYI
29875	Q6DN72	98	QTFTQT\$SETAMVQ
29876	Q6DN72	115	FPPPVL\$AI\$P\$PE
29877	Q6DN72	119	VLSAIPS\$PEPREG
29878	Q6DN72	126	PEPREG\$LVTLRC
29879	Q6DN72	141	KLHPLRS\$ALRLLF
29880	Q6DN72	148	ALRLLFS\$FHKDGH
29881	Q6DN72	205	RVQAPV\$RPVLTL
29882	Q6DN72	240	SPPILYS\$FYLDEK
29883	Q6DN72	252	KIVGNHS\$APCGGT

29884	Q6DN72	260	PCGGTT S LLFPVK
29885	Q6DN72	275	QDAGNY S C EAENS
29886	Q6DN72	281	SCEAENS S VRERS
29887	Q6DN72	283	EAENS V S RERSEP
29888	Q6DN72	287	SVSRER S EPKKLS
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29890	Q6DN72	305	VLFTPAS N WLVPW
29891	Q6DN72	332	LLVYVRS W RKAGP
29892	Q6DN72	341	KAGPLPS Q IPPTA
29893	Q6DN72	372	DEGVVY S VVHRTS
29894	Q6DN72	378	SVVHRT S KRSEAR
29895	Q6DN72	381	HRTSKR S EARSAE
29896	Q6DN72	385	KRSEARS A EFTVG
29897	Q6DN72	395	TVGRKD S SIICAE
29898	Q6DN72	396	VGRKD S II CAEV
29899	Q6DN72	408	VRCLQP S EV SSTE
29900	Q6DN72	411	LQPSEV S STE VNM
29901	Q6DN72	412	QPSEV S STE VNMR
29902	Q6DN72	419	TEVNMR S RTLQEP
29903	Q6GTX8	30	EDLPRPS I SAEPG
29904	Q6GTX8	32	LPRPS I SAEPGT
29905	Q6GTX8	43	TVIPLGS H VT FVC
29906	Q6GTX8	64	FRLERES R STYND
29907	Q6GTX8	66	LERESR S TYNDTE
29908	Q6GTX8	75	NDTEDV S QASPSE
29909	Q6GTX8	78	EDVSQAS P SESEA
29910	Q6GTX8	80	VSQASP S SEARF
29911	Q6GTX8	82	QASPSE S EARFRI
29912	Q6GTX8	90	ARFRID S VSEGNA
29913	Q6GTX8	92	FRIDS V SEGNAGP
29914	Q6GTX8	110	YKPPKW S EQSDYL
29915	Q6GTX8	113	PKWSEQ S DYLELL
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29917	Q6GTX8	129	TSGGPDS P DTEPG
29918	Q6GTX8	136	PDTEPG S SAGPTQ
29919	Q6GTX8	137	DTEPG S SAGPTQR
29920	Q6GTX8	145	GPTQRPS D NSHNE
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29922	Q6GTX8	156	NEHAPAS Q GLKAE
29923	Q6GTX8	171	YILI G VSVVFLFC
29924	Q6GTX8	199	KQGPPRS K DEEQK
29925	Q6GTX8	239	DRETDT S ALAAGS
29926	Q6GTX8	245	SALAAG S QEVTY
29927	Q6GTX8	246	ALAAG S QEVTY
29928	Q6GTX8	268	RTARAV S PQSTKP
29929	Q6GTX8	271	RAVSPQ S TKPMAE
29930	Q6GTX8	278	TKPMAE S ITYAAV
29931	Q6JBY9	15	NANVDNS S ASPSVA
29932	Q6JBY9	17	NVDNS S PSVAQL
29933	Q6JBY9	19	DNSASPS V AQLAG
29934	Q6JBY9	40	AKETPAS K PTRRK
29935	Q6JBY9	50	RRKPPCS L PLFPP
29936	Q6JBY9	73	KSPPNASH P KFK
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29939	Q6JBY9	127	PPSTPSS P GVRSR
29940	Q6JBY9	132	SSPGVRS R PSEAE
29941	Q6JBY9	135	GVRSRP S EAEEVP

29942	Q6JBY9	143	AEEVPVSFDQPPE
29943	Q6JBY9	151	DQPPEGSHLPCYN
29944	Q6JBY9	164	KVRTRGSIKRRPP
29945	Q6JBY9	171	IKRRPPSRRFRRS
29946	Q6JBY9	192	DFRAVESSQQNGA
29947	Q6JBY9	193	FRAVESSQQNGAK
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29949	Q6JBY9	211	EVLPSKSAPGSP
29950	Q6JBY9	219	APGSPLSSEGAAG
29951	Q6JBY9	220	PGSPLSSEGAAGE
29952	Q6JBY9	242	KPPLRRSPSRTEK
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29954	Q6JBY9	333	VGPEHDSQETKKL
29955	Q6JBY9	351	VKETPHSPPGGVK
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29957	Q6JBY9	393	PAQLETSSEVQSE
29958	Q6JBY9	394	AQLETSSEVQSEP
29959	Q6JBY9	398	TSSEVQSEPAVPK
29960	Q6NXS1	20	ILKNKTSTTSSMV
29961	Q6NXS1	23	NKTSTTSSMVASA
29962	Q6NXS1	24	KTSTTSSMVASAE
29963	Q6NXS1	28	TSSMVASAEQPRR
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29967	Q6NXS1	72	MKIDEPSPPYHSM
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29974	Q6NXS1	195	NQGSTPSDQQQNK
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29976	Q6NZI2	26	EAPEPSSAGAQAA
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29979	Q6NZI2	88	MEGAVQSIQGELS
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29981	Q6NZI2	104	KAHATTNTVSKL
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29983	Q6NZI2	127	VKTVRGSLERQAG
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29986	Q6NZI2	216	EEVIEESRAERIK
29987	Q6NZI2	224	AERIKRSGLRRVD
29988	Q6NZI2	237	DFKKAFSKEKMEK
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29998	Q6P1J9	121	EIGLQRSTQVKRA
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30002	Q6P1J9	195	IMAKKRSTIKTDL
30003	Q6P1J9	212	TALKQRSFVDAEV
30004	Q6P1J9	226	VTRDIVSRERVWR
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30007	Q6P1J9	255	IFAILQSVKAREE
30008	Q6P1J9	322	HGMTLKSVTEGAS
30009	Q6P1J9	328	SVTEGASARKTQT
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30013	Q6P1J9	389	DLKFVPSDEKKKQ
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30015	Q6P1J9	465	WLLPDGSPPDIFA
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30047	Q6P1NO	928	RLGNDGSRDAAKE
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30060	Q6P2Q9	1253	IILMASG S TTFTKI
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30062	Q6P2Q9	1329	GGLGML S MGHVLI
30063	Q6P2Q9	1512	ASGFEE S MWKKL
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30065	Q6P2Q9	1640	SYKWNVS R PSLLA
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30069	Q6P2Q9	1928	DWLKT I SSYTAFS
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30072	Q6P2Q9	2020	MEISAPS Q QRQQI
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30078	Q6P2Q9	2233	AYKLTP S GYEWGR
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30087	Q6P5Z2	205	NVVKLL S SRRTQD
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30093	Q6P5Z2	307	AAALASS P SEGWL
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30096	Q6P5Z2	353	GQVAEQ S WDQTFV
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30105	Q6P5Z2	548	GPSPP A S PTRKPP
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30111	Q6P5Z2	717	GFGDRT S TFCCGP
30112	Q6P5Z2	783	PYPGFL S VQGLEF
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30114	Q6P988	12	RVLLL S LLHCAG
30115	Q6P988	51	AGQPVE S FPLDFT

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30118	Q6P988	76	VKS LAQS LYP CSA
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30120	Q6P988	105	VTCNDGS PAGYYL
30121	Q6P988	114	GYYLKES RGS RRW
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30123	Q6P988	138	NRENCD SRYDTMR
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30129	Q6P988	185	FIP YCSS DVWSGA
30130	Q6P988	192	DVWSGAS SKSEKN
30131	Q6P988	193	VWSGASS KSEKNE
30132	Q6P988	195	SGASSK SEKNEYA
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30139	Q6P988	417	LHCWDRS LHDSHK
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30218	Q6PHR2	215	GQPPFASRSFSEL
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30221	Q6PHR2	227	LEEKIRSNRVIEL
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30227	Q6PHR2	305	DSAAALSLYCKAL
30228	Q6PHR2	339	KVGQYVSRAEELK
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30231	Q6PHR2	361	LLRQGTSSARDLLR

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30234	Q6PHR2	462	LDKEGLSESVRSS
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30236	Q6PKG0	186	GEIAHKSVQPQSH
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30253	Q6PKG0	672	TSRAKMSAELAKV
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30260	Q6PKG0	861	GTPTVGSSYGCTPQ
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30266	Q6Q788	16	WALALLSAFSATQ
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30280	Q6Q788	258	QLREELSRAFAGT
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30282	Q6Q788	322	PPPPGHSAFAPEF
30283	Q6Q788	333	EFQQTDSGKVLSK
30284	Q6Q788	338	DSGKVLSSKLQARL
30285	Q6Q788	354	WEDITHSLHDQGH
30286	Q6R327	21	VRGRNDSGEENVP
30287	Q6R327	115	YLIQDSSIILQKVL
30288	Q6R327	352	FIEALLSVDPGRF
30289	Q6R327	645	GMKPERSLQNNGL

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30292	Q6R327	795	QMKPALSHLGDKG
30293	Q6R327	1026	STLSLNSESTSSR
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30296	Q6R327	1042	ESEVPSSMFILE
30297	Q6R327	1043	SESVPSSMFILED
30298	Q6R327	1058	FGSSSTSTFFLDI
30299	Q6R327	1122	KGGKLSSESCTS
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30304	Q6R327	1234	GISSMSSSPSRET
30305	Q6R327	1254	MDTDCGSMSTVVS
30306	Q6R327	1260	SMSTVV\$TKTIKT
30307	Q6R327	1278	PQSNHLSLSKSNS
30308	Q6R327	1280	SNHLSLSKSNSVS
30309	Q6R327	1302	LPRAQSLKAPSI
30310	Q6R327	1373	KANSFESRLTPSR
30311	Q6R327	1415	VRSMVSSATYGGS
30312	Q6R327	1421	SATYGG\$DDYIGL
30313	Q6R327	1501	SIHSDASLFLEST
30314	Q6R327	1568	PLEVVPSKFSGIS
30315	Q6R327	1585	GVSQEG\$ASSTKS
30316	Q6R327	1625	LVINLSSSVSTKC
30317	Q6R327	1628	NLSSSV\$TKCHET
30318	Q6R327	1661	EVSHLL\$HCTFRL
30319	Q6S5L8	8	RERGQDSLAGLVL
30320	Q6S5L8	31	LHRAKY\$RFRNES
30321	Q6S5L8	37	SRFRNESITSLDE
30322	Q6S5L8	45	TSLDEGS\$GGSVG
30323	Q6S5L8	76	EDATLPSQESPTP
30324	Q6S5L8	128	SRDPGSSGPSSPE
30325	Q6S5L8	132	GSSGPSSPETSLS
30326	Q6S5L8	140	ETSLSRSGTAPPP
30327	Q6S5L8	162	TALTPDSCPLPGP
30328	Q6S5L8	175	GEPTLRSRQDRHF
30329	Q6S5L8	205	CVEVLQ\$MRSLDF
30330	Q6S5L8	208	VLQSMRS\$LDGMR
30331	Q6S5L8	223	VTREAI\$RLCEAV
30332	Q6S5L8	247	PPVKFL\$TVLGKS
30333	Q6S5L8	258	KSNLQFS\$GMNIKL
30334	Q6S5L8	267	NIKLTIS\$TCSLTL
30335	Q6S5L8	270	LTISTCSLTLMN
30336	Q6S5L8	332	MAQDVISTIGQAF
30337	Q6S5L8	350	QYLKNPSLNTSCE
30338	Q6S5L8	354	NPSLNT\$CESEEV
30339	Q6S5L8	357	LNTSCE\$EEVHID
30340	Q6S5L8	421	PGNSKCS\$VYENC
30341	Q6S5L8	431	ENCLEQSRAIGNV
30342	Q6S5L8	444	HPRGVQ\$QRDTSL
30343	Q6S5L8	449	QSQRDT\$LLKHTC
30344	Q6S5L8	477	LQSTPG\$AGNQRS
30345	Q6S5L8	489	SAQPLGS\$PWHCGK
30346	Q6S5L8	511	TAQPASS\$HSLPHI
30347	Q6S5L8	513	QPASSH\$LPHIKO

30348	Q6S5L8	532	CYHGKLSRKAAES
30349	Q6S5L8	554	VRESATSPGQYVL
30350	Q6S5L8	601	RYHMDNSLPIISS
30351	Q6S5L8	609	PIISSGSEVSLKQ
30352	Q6TGC4	13	RAMSFQSIIHLSL
30353	Q6TGC4	18	QSIIHLSLDSPVH
30354	Q6TGC4	21	IHLSDLSPVHAVC
30355	Q6TGC4	38	EICLDLSGCAPQK
30356	Q6TGC4	66	VANTVISKEKEDAT
30357	Q6TGC4	78	TIWWPLSDPTYAT
30358	Q6TGC4	89	ATVKMTSPSPSVD
30359	Q6TGC4	91	VKMTSPSPSVDAD
30360	Q6TGC4	93	MTSPSPSVDADKV
30361	Q6TGC4	125	LTGIEVSLEVDIY
30362	Q6TGC4	139	NGQVEMSSDKQAK
30363	Q6TGC4	200	LNVQGPSCILKKY
30364	Q6TGC4	230	WPQKDNTSTFELV
30365	Q6TGC4	266	EAIAFPSSAEFSGL
30366	Q6TGC4	274	EFSGLISYSVSLV
30367	Q6TGC4	276	SGLISYSVSLVEE
30368	Q6TGC4	278	LISYSVSLVEESQ
30369	Q6TGC4	336	DTVTKLSEKSNSQ
30370	Q6TGC4	339	TKLSEKSNSQVAS
30371	Q6TGC4	341	LSEKSNSQVASVY
30372	Q6TGC4	345	SNSQVASVYEDPN
30373	Q6TGC4	395	PMKYSLSPGIGYM
30374	Q6TGC4	412	EDHKVASMDSIGN
30375	Q6TGC4	415	KVASMDSIGNLMV
30376	Q6TGC4	422	IGNLMVSPPVKVQ
30377	Q6TGC4	441	GRVLIGSFYPSA
30378	Q6TGC4	453	AEGRAMSKTLRDF
30379	Q6TGC4	506	FLLLLASPSACYK
30380	Q6TGC4	508	LLLASPSSACYKLF
30381	Q6TGC4	554	QLLADESLLKKQNE
30382	Q6TGC4	601	KLTNIPSQQPKR
30383	Q6U736	26	DGDPFASKLSWEA
30384	Q6U736	29	PFASKLSWEADLV
30385	Q6U736	47	TIIGILSTFGNGY
30386	Q6U736	58	GYVLYMS SRRKKK
30387	Q6U736	59	YVLYMSSRRKKKL
30388	Q6U736	83	VCDLGISVVVGKPF
30389	Q6U736	93	KPFTIISCFCHRW
30390	Q6U736	120	FFFGCGSLITMTA
30391	Q6U736	128	ITMTAVSLDRYLK
30392	Q6U736	139	LKICYLSYGVWLK
30393	Q6U736	161	AIWAYASFWTTMP
30394	Q6U736	182	PEPFGTSCTLDWW
30395	Q6U736	193	WWLAQASVGGQVF
30396	Q6U736	218	TAVIVFSYVKIIA
30397	Q6U736	228	IIAKVKSSSKEVA
30398	Q6U736	229	IAKVKSSSKEVAH
30399	Q6U736	230	AKVKSSSKEVAHF
30400	Q6U736	238	EVAHFDSRIHSSH
30401	Q6U736	242	FDSRIHS SHVLEM
30402	Q6U736	243	DSRIHSSHVLEMK
30403	Q6U736	272	IPYAVVSVWSAFG
30404	Q6U736	275	AVVSVWSAFGRPD
30405	Q6U736	282	AFGRPDSIPIQLS

30406	Q6U736	288	SIPIQ L SVVPTLL
30407	Q6U736	297	PTLLAK S AAMYNP
30408	Q6U736	328	KATKK K SLEGFRL
30409	Q6U736	343	VTTVRK S SAVLEI
30410	Q6U736	344	TTVRK S SAVLEIH
30411	Q6UU9	11	NNPRKF E KIALH
30412	Q6UU9	86	FQTPF Q SGLDTS
30413	Q6UU9	92	SSGLDT S RTTRHH
30414	Q6UU9	120	PHRRPL S VDKHGR
30415	Q6UU9	145	SPPADT S WRRTNS
30416	Q6UU9	158	DSALHQ S TMTPTQ
30417	Q6UU9	167	TPTQPE S FSSGSQ
30418	Q6UU9	273	PTFPAL S SSSSTG
30419	Q6UU9	275	FPALSSSSTGNL
30420	Q6UU9	276	PALSSSSSTGNLA
30421	Q6UU9	277	ALSSSSSTGNLAA
30422	Q6UU9	302	GMSTPG S SPQHRP
30423	Q6UU9	312	HRPAGV S PLSLST
30424	Q6UU9	317	VSPLS L STEARRQ
30425	Q6UU9	345	VAMDAL S LEQQLP
30426	Q6UU9	377	PPPPPASQQPPPP
30427	Q6UU9	419	LAVTVPSLPQSP
30428	Q6UU9	424	PSSLPQ S PPENPG
30429	Q6UU9	440	MGIDIASAPALQQ
30430	Q6UU9	450	LQQYRT S AGSPAN
30431	Q6UU9	461	ANQSPT S PVSNQG
30432	Q6UU9	464	SPTSPV S NQGFSP
30433	Q6UU9	473	GFSPGSSPQHTST
30434	Q6UU9	478	SSPQHT S TLGSVF
30435	Q6UU9	519	NAISSSSLYSPGS
30436	Q6UU9	522	SSSSLY S PGSTLN
30437	Q6UU9	530	GSTLNYSQAAMMG
30438	Q6UU9	540	MMGLTG S HGSLPD
30439	Q6UU9	543	LTGSHG S LPDSQQ
30440	Q6UU9	572	TGESPPS L SKELT
30441	Q6UU9	574	ESPPS L SKELTSS
30442	Q6UWZ7	11	STSAV L SGFVLGA
30443	Q6UWZ7	27	QLNNTD S DTEGFL
30444	Q6UWZ7	44	KGEAK N SITDSQM
30445	Q6UWZ7	48	KNSITD S QMDDVE
30446	Q6UWZ7	76	LFSFY N SGEVNE
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30448	Q6UWZ7	90	ALKKIL S NVKKNV
30449	Q6UWZ7	106	YKFRRH S DQIMTF
30450	Q6UWZ7	126	NLQEHEF S NQDLVF
30451	Q6UWZ7	138	FLLLTP S IITESC
30452	Q6UWZ7	143	PSIITESC S THRL
30453	Q6UWZ7	152	THRLEH S LYKPQK
30454	Q6UWZ7	174	VANLGM S EQLGYK
30455	Q6UWZ7	183	LGYKT V SGSCMST
30456	Q6UWZ7	185	YKTVSG S CMSTGF
30457	Q6UWZ7	188	VSGSCM S TGFSRA
30458	Q6UWZ7	192	CMSTGF S RAVQTH
30459	Q6UWZ7	200	AVQTH S SKFEED
30460	Q6UWZ7	221	INEMYAS L QEELK
30461	Q6UWZ7	228	LQEEL K SICKVE
30462	Q6UWZ7	236	CKKV E SEQAVDK
30463	Q6UWZ7	291	RTFFPN S EFLHSC

30464	Q6UWZ7	300	LHSCVMSLKNRHV
30465	Q6UWZ7	307	LKNRHSVSKSSCNY
30466	Q6UWZ7	309	NRHVSKS SCNYNH
30467	Q6UWZ7	310	RHVSKSS CNYNHH
30468	Q6UWZ7	339	PEASPASTPQIIK
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30470	Q6UWZ7	370	DTQDKRS KADTGS
30471	Q6UWZ7	377	KADTGSS NQDKAS
30472	Q6UWZ7	383	SNQDKAS KMSSPE
30473	Q6WN34	9	PEVRVLSSLLGLA
30474	Q6WN34	10	EVRLVLS LLGLAL
30475	Q6WN34	23	LWFPLDS HARARP
30476	Q6WN34	41	FHGKRYSPGESWH
30477	Q6WN34	45	RYSPGE SWHPYLE
30478	Q6WN34	64	CLRCTCS EG AHVS
30479	Q6WN34	70	SEGAHVS CYRLHC
30480	Q6WN34	102	VEPHTPS GLRAPP
30481	Q6WN34	110	LRAPPKSC QHNGT
30482	Q6WN34	125	QHGEIFS AHELF P
30483	Q6WN34	132	AHELFPS RL PNQC
30484	Q6WN34	142	NQC VLCS CTEGQI
30485	Q6WN34	169	PLPLPDSCCQACK
30486	Q6WN34	179	ACKDEAS EQSDEE
30487	Q6WN34	187	QSDEEDSVQSLHG
30488	Q6WN34	190	EEDSVQSL HGVRH
30489	Q6WN34	202	HPQDPCSS DAGRK
30490	Q6WN34	203	PQDP CSS DAGRKR
30491	Q6WN34	220	PAPTGLS APLSF I
30492	Q6WN34	224	GLSAPL SFIP RH F
30493	Q6WN34	237	RPKGAGS TTVKIV
30494	Q6WN34	260	HGGKTYSHGEVWH
30495	Q6WN34	324	KADPGHSE IIS STR
30496	Q6WN34	327	PGHSE IIS STRCPK
30497	Q6WN34	328	GHSE IIS TRCPKA
30498	Q6WN34	343	RVLVHTS VSPSPD
30499	Q6WN34	345	LVHTSVS PSPDNL
30500	Q6WN34	347	HTSVSPS PDNLRR
30501	Q6WN34	361	ALEHEAS DLVEIY
30502	Q6ZMU5	13	LLHQELS CPLCLQ
30503	Q6ZMU5	32	TAECGHS FCRACL
30504	Q6ZMU5	66	TRPQALS TNLQLA
30505	Q6ZMU5	94	EHLDPLS IYCEQD
30506	Q6ZMU5	110	VCGVCAS LGSHRG
30507	Q6ZMU5	113	VCASLGS HRGHRL
30508	Q6ZMU5	150	CMRKEKS VAVLEH
30509	Q6ZMU5	189	LAALEGS LDREAE
30510	Q6ZMU5	211	LRRELGS LNSYLE
30511	Q6ZMU5	214	ELGSLN SYLEQLR
30512	Q6ZMU5	246	KYCLVTS RLQKIL
30513	Q6ZMU5	255	QKILAES PPPARL
30514	Q6ZMU5	269	IQLPIIS DDFKFQ
30515	Q6ZMU5	296	ELTFDPS SAHPSL
30516	Q6ZMU5	297	LTFDPSSAHPSLV
30517	Q6ZMU5	301	PSSAHPS LVVSSS
30518	Q6ZMU5	305	HPSLVVS SSGRRV
30519	Q6ZMU5	306	PSLVVSS SGRRVE
30520	Q6ZMU5	307	SLVVSSS GRRVEC
30521	Q6ZMU5	314	GRRVEC SEQKAPP

30522	Q6ZMU5	341	VAHQQLSEGEHYW
30523	Q6ZMU5	377	RLHAVPSQGLWLL
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30525	Q6ZMU5	418	RIGLYLSPFGDGVL
30526	Q6ZMU5	425	FGDGVLSFYDASD
30527	Q6ZMU5	430	LSFYDASDADALV
30528	Q6ZN04	14	DLERNGSGGGGGG
30529	Q6ZN04	57	GASLYDSEPRKKS
30530	Q6ZN04	63	SEPRKKSVNMTEC
30531	Q6ZN04	74	ECVPVPSSEHVAE
30532	Q6ZN04	75	CVPVPSSEHVAEI
30533	Q6ZN04	198	TYIVTPSRDKEPV
30534	Q6ZN04	259	HHGSGGSGPGSLW
30535	Q6ZN04	282	PGRKPFSSYRNDS
30536	Q6ZN04	289	SYRNDSSSLGSA
30537	Q6ZN04	299	GSASTDSYFGGGT
30538	Q6ZN04	326	PPSPALSFAHNGN
30539	Q6ZN04	383	WAQFERSPGGPA
30540	Q6ZN04	394	PAAPVSSSCSSSA
30541	Q6ZN04	395	AAPVSSCSSSAS
30542	Q6ZN04	398	VSSCASSSASSSA
30543	Q6ZN04	399	SSSCASSSASSSAS
30544	Q6ZN04	402	CSSSASSSASSSSS
30545	Q6ZN04	403	SSSASSSASSSSSV
30546	Q6ZN04	442	TSCPRLSPPLHMA
30547	Q6ZN04	491	LQPSDTSGSSSSS
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30550	Q6ZN04	497	SGSSSSSSSSSSSS
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30553	Q6ZN04	506	SSSSSSSSGLRR
30554	Q6ZN04	507	SSSSSSSGLRRK
30555	Q6ZN04	515	GLRRKGSRDCSVC
30556	Q6ZN04	519	KGSRDCSVCFESE
30557	Q6ZN04	524	CSVCFESEVIAAL
30558	Q6ZSY5	27	AGEPRTSVEAAVA
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30560	Q6ZSY5	120	YLVPTFSLPPAPG
30561	Q6ZSY5	174	VRVLNRSFEKAVH
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30564	Q6ZSY5	232	PGQASASSPDDGG
30565	Q6ZSY5	233	GQASASSPDDGGR
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30567	Q6ZSY5	362	HPDVQESEGPLVA
30568	Q6ZSY5	401	GDVPRSSPPVAFT
30569	Q6ZSY5	435	SPRDQASGPDAE
30570	Q6ZSY5	440	ASGPDASEGATGP
30571	Q6ZSY5	462	EATWGVSSENGGG
30572	Q6ZSY5	473	GGLEAVSGSEELL
30573	Q6ZSY5	547	PERALNSALAEI
30574	Q6ZSY5	584	EGEEGLSVTPSSP
30575	Q6ZSY5	588	GLSVTPSSPEGDS
30576	Q6ZSY5	589	LSVTPSSPEGDSP
30577	Q6ZSY5	598	GDSPKESPPEILS
30578	Q6ZSY5	608	ILSGARSVVATMG
30579	Q6ZSY5	624	LPWAEGSGCDGPV

30580	Q6ZSY5	651	GMGKDTS S LHMNR
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30584	Q6ZSY5	708	QNPTLLS P LGAEV
30585	Q6ZSY5	725	VARPHVS S SQDEKD
30586	Q6ZSY5	735	EKDAGPS L LEPPKK
30587	Q6ZSY5	742	LEPPKKS P TLAVP
30588	Q6ZSY5	782	VPVALNS G VSLLV
30589	Q6ZUJ8	52	RLGPEA S FSAEDL
30590	Q6ZUJ8	63	DLSLFLS T TRCVVV
30591	Q6ZUJ8	72	CVVVL L S A ELVQH
30592	Q6ZUJ8	108	LCGVRD S EEFLDF
30593	Q6ZUJ8	142	AVKKAI S EDSGCD
30594	Q6ZUJ8	162	EDEKVVS S YSKQQN
30595	Q6ZUJ8	174	NLPTVTS P GNLMV
30596	Q6ZUJ8	219	SPEDSPSVRMEAK
30597	Q6ZUJ8	233	ENEYTIS V KAPNL
30598	Q6ZUJ8	240	VKAPNL S SGNVSL
30599	Q6ZUJ8	250	VSLKIY S GDLVVC
30600	Q6ZUJ8	304	DKLLTES L KNNIP
30601	Q6ZUJ8	312	KNNIPAS G LHLFG
30602	Q6ZUJ8	366	GALQAY S VANKHG
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30607	Q6ZUJ8	523	DDDEAFS V DLASR
30608	Q6ZUJ8	528	FSVDLAS R PPV P
30609	Q6ZUJ8	572	PGNFYVS S ESIRK
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30611	Q6ZUJ8	640	LNQKKR S ESFRFQ
30612	Q6ZUJ8	667	QREKQKS G QTDL
30613	Q6ZUJ8	718	GDWKTDS T STASST
30614	Q6ZUJ8	720	WKTDSTS S STASST
30615	Q6ZUJ8	721	KTDSTS S STASSTS
30616	Q6ZUJ8	727	STASSTS N RSSTR
30617	Q6ZUJ8	731	STSNR S STR L LS
30618	Q6ZUJ8	734	NRSSTR S LLSVSS
30619	Q6ZUJ8	757	VPEVTRS R SPGPP
30620	Q6ZUJ8	759	EVTRSR S PGPPQV
30621	Q6ZUJ8	772	DGTPTMS L ERP P
30622	Q70E73	44	LTQSLDS D KPMEP
30623	Q70E73	139	LKG L SS S SNRIAK
30624	Q70E73	140	KGL SS SS N RIAKP
30625	Q70E73	152	PSHASYS L DDVTA
30626	Q70E73	214	SHSSITS A ASSMD
30627	Q70E73	218	ITSAASS M DSL I
30628	Q70E73	281	VHMSDDS S KTMMV
30629	Q70E73	304	DNLMDKS H CGYSL
30630	Q70E73	313	GYSLDWS L VETVS
30631	Q70E73	436	KGKAKV S RDLVCF
30632	Q70E73	556	HSNQSDS G VSDTQ
30633	Q70E73	569	PAGHVRSQSIVSS
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30635	Q70E73	597	SKARME S MNRPYT
30636	Q70E73	622	VTPYTA S QPSPPL
30637	Q70E73	651	PPPPLPSQSAPSA

30638	Q70E73	790	TIPAPTS T KTVAP
30639	Q70E73	822	QPAFPAS Y IPPPSP
30640	Q70E73	845	TLPKQQS F CAKPP
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30643	Q70E73	933	FPPPPPS P VAPP
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30645	Q70E73	984	NSSIKSS S GAEHP
30646	Q70E73	999	KRPSVDS L VSKFT
30647	Q70E73	1012	PPAESGS P SKETL
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30652	Q70E73	1154	VPQVPT S PKSSL
30653	Q70E73	1160	SPKSSL S VQPGFL
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30663	Q712K3	126	VRTILL S VISLLN
30664	Q712K3	129	ILLSVI S LLNEPN
30665	Q712K3	138	NEPNTFS P ANVDA
30666	Q712K3	145	PANVDAS V MFRKW
30667	Q712K3	154	FRKWRDS K GKDKE
30668	Q712K3	170	IIRKQVS A TKAEA
30669	Q712K3	198	IKTKVPS N DNSSD
30670	Q712K3	202	VPSNDNS S DLLYD
30671	Q712K3	203	PSNDNS S DLLYDD
30672	Q71F23	20	SEGARR S KNTLER
30673	Q71F23	29	TLERTH S MKDAG
30674	Q71F23	50	FDFPDNS D VSSIG
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30678	Q71F23	97	CGLSLSS T PPGKE
30679	Q71F23	107	GKEAKRS S DTSGN
30680	Q71F23	108	KEAKRSS D TSGNE
30681	Q71F23	111	KRSSDT S GNEASE
30682	Q71F23	116	TSGNEASE E IESVK
30683	Q71F23	120	EASEIE S VKISAK
30684	Q71F23	136	RKLRPIS D DDSEI
30685	Q71F23	139	RPISDD S ESIEES
30686	Q71F23	141	ISDDSES I EESDT
30687	Q71F23	145	SESIEES D TRRKV
30688	Q71F23	153	TRRKVK S AEKIST
30689	Q71F23	170	VIRTTAS S ELSEK
30690	Q71F23	174	TASSEL S EKPAES
30691	Q71F23	183	PAESVT S KKTGPL
30692	Q71F23	194	PLSAQPS V EKENL
30693	Q71F23	204	ENLAIES S QSKTQK
30694	Q71F23	215	QKKGK I SHDKRKK
30695	Q71F23	222	HDKRKK S RSKAIG

30696	Q71F23	224	KRKKSRSKAIGSD
30697	Q71F23	246	PEGMKTS DIKELN
30698	Q71F23	296	IKMLKES QMLTNL
30699	Q71F23	349	ELKERKS SLRNAA
30700	Q71F23	350	LKERKSS LRNAAY
30701	Q71F23	359	NAAYFLS NLKQLY
30702	Q71F23	369	QLYQDYS DVQAQE
30703	Q71F23	384	VKETYDSSSLPAL
30704	Q71F23	386	ETYDSSSLPALLF
30705	Q71RC2	73	EYEVMYSSSCETT
30706	Q71RC2	74	YEVMYSSCETTR
30707	Q71RC2	75	EVMYSSCETTRN
30708	Q71RC2	110	YDVSGE SNSAVST
30709	Q71RC2	115	ESNSAVS TEDLKE
30710	Q71RC2	132	QLEFCFS RENLSK
30711	Q71RC2	137	FSRENLS KDLYLI
30712	Q71RC2	148	LISQMDS DQFIP
30713	Q71RC2	221	VKGLFKSENCPKV
30714	Q71RC2	236	CEFAHNS NWYITF
30715	Q71RC2	288	GYRLMDSSIYSHP
30716	Q71RC2	292	MDSSIYSHPIQTQ
30717	Q71RC2	318	NPHQQY SVYSIVP
30718	Q71RC2	346	APFPNGS FVNGFN
30719	Q71RC2	356	GFnSPGS YKTNAA
30720	Q71RC2	385	FRSSGGSEHSTEG
30721	Q71RC2	388	SGGSEHS TEGSVS
30722	Q71RC2	404	GQLNRYSSRNFP
30723	Q71RC2	431	YLQKETSTLQVEQ
30724	Q71RC2	470	HPSTAES KAPTPK
30725	Q71RC2	490	FPPLPGSSRMPG
30726	Q71RC2	505	VLENRMS DVVKGV
30727	Q71RC2	523	NEELTIS CPVPAD
30728	Q71RC2	545	QLNMSTS SPCAAE
30729	Q71RC2	546	LNMSTS SPCAAEL
30730	Q71RC2	568	KDLIEDS SVQKD
30731	Q71RC2	569	DLIEDSS VQKDGL
30732	Q71RC2	586	IPVSPPS TTKPSR
30733	Q71RC2	631	KPPKEPS SVLVQP
30734	Q71RC2	632	PPKEPSS VLVQPL
30735	Q71RC2	660	NGAPENS VEKPHE
30736	Q71RC2	673	KPEARAS KDYSGF
30737	Q71RC2	700	EQRRQFS HRAIPQ
30738	Q7KZF4	52	ERQINL SNIRAGN
30739	Q7KZF4	126	GENIAES LVAEGL
30740	Q7KZF4	150	PEQNRLS ECEEQA
30741	Q7KZF4	189	PRHFVDS HHQKPV
30742	Q7KZF4	238	RREADGSETPEPF
30743	Q7KZF4	254	AKFFTES RLLQRD
30744	Q7KZF4	267	VQIILES CHNQNI
30745	Q7KZF4	300	ARCVDWS IAVYTR
30746	Q7KZF4	362	IVVKLNS GDYKTI
30747	Q7KZF4	372	KTIHLSS IRPPRL
30748	Q7KZF4	456	IAEALVSKGLATV
30749	Q7KZF4	474	DDDQRSS HYDELL
30750	Q7KZF4	508	HRVADIS GDTQKA
30751	Q7KZF4	527	LQRAGRSEAVVEY
30752	Q7KZF4	536	VVEYVFSGSRLKL
30753	Q7KZF4	538	EYVFSGS RLKLYL

30754	Q7KZF4	578	QEGERPFSEEATLF
30755	Q7KZF4	600	VEVEVESMDKAGN
30756	Q7KZF4	619	IDGANL\$VLLVEH
30757	Q7KZF4	628	LVEHALSKVHFTA
30758	Q7KZF4	638	FTAERS\$YYKSLL
30759	Q7KZF4	642	RSSYYKSLLSAEE
30760	Q7KZF4	679	LEEKERSASYKPV
30761	Q7KZF4	681	EKERSASYKPVFV
30762	Q7KZF4	727	HPPVEGSYAPRRG
30763	Q7KZF4	755	RVEKVESPAKIHV
30764	Q7KZF4	774	NREVLPS\$TRLGTL
30765	Q7KZF4	781	TRLGTLSPAFSTR
30766	Q7KZF4	785	TLSPAFS\$TRVLPA
30767	Q7KZF4	816	RTDAVDS\$VVRDIQ
30768	Q7KZF4	834	LNVEHLSAGCPHV
30769	Q7KZF4	884	YLNAQESAKSARL
30770	Q7KZF4	887	AQESAKSARLNWL
30771	Q7L2H7	10	PAFIDI\$EEDQAA
30772	Q7L2H7	24	LRAYLKSKGAEIS
30773	Q7L2H7	30	SKGAEI\$EENSEG
30774	Q7L2H7	34	EISEEN\$EGGLHV
30775	Q7L2H7	62	DDKDVE\$VMNSVV
30776	Q7L2H7	66	VESVMNS\$VVSLLL
30777	Q7L2H7	69	VMNSVVS\$LLLILE
30778	Q7L2H7	85	QEALIESLCEKLV
30779	Q7L2H7	100	REGERPSLRLQLL
30780	Q7L2H7	107	LRLQLLSNLFHGM
30781	Q7L2H7	126	RYTVYCSLIKVAA
30782	Q7L2H7	133	LIKVAASCGAIQY
30783	Q7L2H7	152	QVRKWIS\$DWNLT
30784	Q7L2H7	178	LVDCCKS\$DAASKV
30785	Q7L2H7	182	KKSDAAS\$KVMVEL
30786	Q7L2H7	191	MVELLG\$YTEDNA
30787	Q7L2H7	198	YTEDNASQARVDA
30788	Q7L2H7	246	LLTIFV\$AKLASY
30789	Q7L2H7	251	VSAKLAS\$YVKFYQ
30790	Q7L2H7	265	NKDFIDS\$LGLLHE
30791	Q7L2H7	293	VENKEIS\$FDTMQQ
30792	Q7L2H7	335	QRKV\$VSHSTHRT
30793	Q7L2H7	337	KVVVSH\$THRTFG
30794	Q7L5D6	12	AMAEQES\$ARNGGR
30795	Q7L5D6	33	EGKL\$RASVEKGDY
30796	Q7L5D6	55	LFFRYMS\$QS\$KHT
30797	Q7L5D6	57	FRYMSQS\$KHTEAR
30798	Q7L5D6	68	AREL\$MYSGALLFF
30799	Q7L5D6	75	GALLFF\$HGQQNS
30800	Q7L5D6	81	SHGQQNSAADLSM
30801	Q7L5D6	86	NSAADLSMLVLES
30802	Q7L5D6	92	SMLVLES\$LEKAEV
30803	Q7L5D6	113	NLA\$KVFSLMDPNS
30804	Q7L5D6	119	SLMDPNS\$PERVT
30805	Q7L5D6	127	ERVT\$FVSRALKWS
30806	Q7L5D6	133	SRALKWS\$GGSGK
30807	Q7L5D6	134	RALKWSS\$GGSGKL
30808	Q7L5D6	137	KWSSGG\$GKLGH
30809	Q7L5D6	162	EQNYCES\$RYHFLH
30810	Q7L5D6	169	RYHFLHS\$ADGEGC
30811	Q7L5D6	183	NMLVEY\$TSRGFR

30812	Q7L5D6	185	LVEYSTSRGFRSE
30813	Q7L5D6	190	TSRGFRSEVDMFV
30814	Q7L5D6	210	LCLKNKSASAVVF
30815	Q7L5D6	211	CLKNKSSASVVFT
30816	Q7L5D6	213	KNKSSASVVFTTY
30817	Q7L5D6	225	YTQKHPSIEDGPP
30818	Q7L5D6	265	CEQYQPSLRRDPM
30819	Q7L5D6	292	VPPKQTSSYGGLL
30820	Q7L5D6	293	PPKQTSSYGGLLG
30821	Q7L5D6	304	LGNLLTSLMGSSE
30822	Q7L5D6	308	LTSLMGSSEQEDG
30823	Q7L5D6	309	TSLMGSSSEQEDGE
30824	Q7L5D6	317	QEDGEESPSPDGSP
30825	Q7L5D6	319	DGEESPSDGSPIE
30826	Q7L5Y1	10	GRISRLSVRDVRF
30827	Q7L5Y1	19	DVRFPSTSLLGHGA
30828	Q7L5Y1	35	HTDPDYSAAVVI
30829	Q7L5Y1	97	FYRQLTS DGQLRW
30830	Q7L5Y1	193	YPAYTTSCAWLGY
30831	Q7L5Y1	200	CAWLGYSDDTLKQ
30832	Q7L5Y1	265	EAVEWMSKLAKF
30833	Q7L5Y1	280	WIEEPTS PDDILG
30834	Q7L5Y1	291	LGHATIS KALVPL
30835	Q7L5Y1	329	QFLQIDS CRLGSV
30836	Q7L5Y1	334	DSCR LGSVNENLS
30837	Q7L5Y1	340	SVNENL SVLLMAK
30838	Q7L5Y1	375	IIFDYIS VSASLE
30839	Q7L5Y1	377	FDYISVSASLENR
30840	Q7L5Y1	379	YISVSASLENRVC
30841	Q7L5Y1	405	VMIQRAS YMPPKD
30842	Q7L5Y1	415	PKDPGY STEMKEE
30843	Q7L5Y1	422	TEMKEE SVKKHQY
30844	Q7L804	31	LKPKGKS GTNDTY
30845	Q7L804	48	LGKEKY STSVAEK
30846	Q7L804	65	VWKEEAS FELPGL
30847	Q7L804	76	GLLIQGS PEKYIL
30848	Q7L804	90	LIVMHRS LVGLDK
30849	Q7L804	162	MKDTRSPFAKLK
30850	Q7L804	184	GTFSDTS SAIIPS
30851	Q7L804	190	SSAIIPS THMPDA
30852	Q7L804	201	DANSEFS SGEIQM
30853	Q7L804	223	LGPQRLLSAHSMS
30854	Q7L804	229	SSAHSMS DLSGSH
30855	Q7L804	232	HMSDLS GSHMSS
30856	Q7L804	237	LSGSHMS SEKLKA
30857	Q7L804	238	SGSHMS SEKLKAG
30858	Q7L804	270	ESGSLKS PHRRTL
30859	Q7L804	288	KMNQPDS IVDEGE
30860	Q7L804	310	FTNV TASLPQKFA
30861	Q7L804	329	NPFEES SETWDSS
30862	Q7L804	334	SSETWDSS MNLF
30863	Q7L804	335	SETWDSS MNLF SK
30864	Q7L804	358	EKREKVSLFERVT
30865	Q7L804	369	VTGKKD SRRSDKL
30866	Q7L804	372	KKDSRRS DKLNNG
30867	Q7L804	388	SPCDLKSPNAFSE
30868	Q7L804	404	DYFDYESTNPFTA
30869	Q7L804	415	TAKFRA SNIMPSS

30870	Q7L804	421	SNIMPSSFHMS P
30871	Q7L804	422	NIMPSSSFHMSPT
30872	Q7L804	426	SSSFHMSPTSNE D
30873	Q7L804	429	FHMSPTSNEDLRK
30874	Q7L804	503	RVPYEP SRKAGKF
30875	Q7RTN6	16	RIRRWVSEKFIVE
30876	Q7RTN6	46	RKTNDASSESIAS
30877	Q7RTN6	47	KTNDASSESIASF
30878	Q7RTN6	52	SSESIASFSKQEV
30879	Q7RTN6	54	ESIASFSKQEVMS
30880	Q7RTN6	60	SKQEVMS SFLPEG
30881	Q7RTN6	61	KQEVMS SFLPEGG
30882	Q7RTN6	108	INLEACSNEMVT F
30883	Q7RTN6	122	QGELHVS KLFNHP
30884	Q7RTN6	148	ELWVVT SFMAYGS
30885	Q7RTN6	154	SFMAYGSAKDLIC
30886	Q7RTN6	195	MGYVHRSVKASHI
30887	Q7RTN6	212	DGKVYLSGLRSNL
30888	Q7RTN6	216	YLSGLRSNL SMI S
30889	Q7RTN6	219	GLRSNL SMI SHG Q
30890	Q7RTN6	222	SNLSMIS HGQRQR
30891	Q7RTN6	245	KVLPWLSPEVLQQ
30892	Q7RTN6	264	AKSDIYSVGITAC
30893	Q7RTN6	315	ELTMSPSR VANS
30894	Q7RTN6	317	TMSPSRS VANS GL
30895	Q7RTN6	321	SRVANS GLDSL
30896	Q7RTN6	324	VANSGL SDSL TTS
30897	Q7RTN6	326	NSGLSDS LTTST P
30898	Q7RTN6	330	SDSLTT STPRPSN
30899	Q7RTN6	335	TSTPRPSNGDSPS
30900	Q7RTN6	339	RPSNGDPSH PYH
30901	Q7RTN6	341	SNGDSPS H PYH RT
30902	Q7RTN6	349	PYHRTF SPHFHF
30903	Q7RTN6	369	NPDARPSA STLLN
30904	Q7RTN6	371	DARPSA STLLNHS
30905	Q7RTN6	377	STLLNHSFFKQIK
30906	Q7RTN6	387	QIKRRASEALPEL
30907	Q7RTN6	412	SQSQDHSGIFGLV
30908	Q7Z406	42	AGGGPGSGTSPQV
30909	Q7Z406	131	LRERYYSGLIYT Y
30910	Q7Z406	138	GLIYTYSGLFCVV
30911	Q7Z406	184	TEGAYRSMLQDRE
30912	Q7Z406	200	ILCTGESGAGKTE
30913	Q7Z406	220	YLAHVASSPKGRK
30914	Q7Z406	221	LAHVASSPKGRKE
30915	Q7Z406	260	VKNNDNSSRFGKFI
30916	Q7Z406	337	TNGPSSSPQERE
30917	Q7Z406	364	SHEEII SMLRMVS
30918	Q7Z406	651	VGLEQVSSLGDGP
30919	Q7Z406	652	GLEQVSSLGDGPP
30920	Q7Z406	686	RLMATLSNTNPSF
30921	Q7Z406	809	VTDIIVSFQAAAR
30922	Q7Z406	942	EELVVSELEARV
30923	Q7Z406	955	GEEECSRQM QT E
30924	Q7Z406	1012	LLEDQNSKLSKER
30925	Q7Z406	1081	RRLDGESSELQEQ
30926	Q7Z406	1146	AQEDLESERVART
30927	Q7Z406	1178	LEDTLDS TNAQQE

30928	Q7Z406	1187	AQQELRSKREQEV
30929	Q7Z406	1310	AELENVS GALNEA
30930	Q7Z406	1318	ALNEAES SKTIRLS
30931	Q7Z406	1329	LSKELSS STEAQLH
30932	Q7Z406	1535	ELEALLS SKDDVG
30933	Q7Z406	1536	LEALLSS KDDVGK
30934	Q7Z406	1652	LKAQMAS AGQGKE
30935	Q7Z406	1684	VEETRTS REEIFS
30936	Q7Z406	1690	SREEIFS QNRESE
30937	Q7Z406	1716	QEELAAS DRARRQ
30938	Q7Z406	1769	EEEQSN SELLNDR
30939	Q7Z406	1797	SAERSFS AKAESG
30940	Q7Z406	1969	LEEGVAS DEEAEE
30941	Q7Z417	15	QPQHHHS HHHPHH
30942	Q7Z417	42	YYFYNHS HNNHHH
30943	Q7Z417	65	QHGAEGS PKAOPK
30944	Q7Z417	107	AGEREIS LKNLSS
30945	Q7Z417	159	NFIQKNS MDKKNG
30946	Q7Z417	167	DKKNGKS YENKSG
30947	Q7Z417	195	GVVTNN SGYITNG
30948	Q7Z417	216	DGSGSE SGYTPK
30949	Q7Z417	266	TFKPDY SEQKGMR
30950	Q7Z417	329	HASAVAS KEDSWT
30951	Q7Z417	333	VASKEDS WTLFPK
30952	Q7Z417	348	VFPVDNS SAKIVPK
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30954	Q7Z417	373	NKTIQNS SVSPTS
30955	Q7Z417	382	SPTSSSS SSSSTG
30956	Q7Z417	383	PTSSSS SSSSTGE
30957	Q7Z417	385	SSSSSS STGETQ
30958	Q7Z417	394	GETQTQS SSRLSQ
30959	Q7Z417	404	LSQVPM SALKSVT
30960	Q7Z417	415	VTSANF SNGPVLA
30961	Q7Z417	447	NTLTPIS SGTDSP
30962	Q7Z417	452	ISSGTD S VLQDMS
30963	Q7Z417	461	QDMSLT SAAVEQI
30964	Q7Z417	476	SLFIYPS NMQTM
30965	Q7Z417	492	AQVDLPS QTDQQN
30966	Q7Z417	510	QNQWGLS FINEPS
30967	Q7Z417	527	TVTGKS SEHKVME
30968	Q7Z417	578	SPQVLGS ILKSGT
30969	Q7Z417	586	LKSGTT S ESGALS
30970	Q7Z417	592	SESGALS LEP SHI
30971	Q7Z417	607	LQKADTS SQGALV
30972	Q7Z4W1	38	ARVVAVS RTQADL
30973	Q7Z4W1	46	TQADLDS LVRECP
30974	Q7Z4W1	73	TERALGS VGPVDL
30975	Q7Z4W1	103	KEAFDRS FEVNL
30976	Q7Z4W1	115	RAVIQVS QIVARG
30977	Q7Z4W1	135	GAIVNV S SQCSQR
30978	Q7Z4W1	136	AIVNVSS QCSQRA
30979	Q7Z4W1	139	NVSSQCS QRAVTN
30980	Q7Z4W1	147	RAVTNH S VYCSTK
30981	Q7Z4W1	151	NHSVYCS TKGALD
30982	Q7Z4W1	185	PTVVMTS MGQATW
30983	Q7Z4W1	192	MGQATWS DPHKAK
30984	Q7Z4W1	224	AILFL LS DRSGMT
30985	Q7Z4W1	227	FLLSDRS GMTTGS

30986	Q7Z4W1	233	SGMTTGS T LPVEG
30987	Q7Z5L9	15	AASRRQ S CYLC D L
30988	Q7Z5L9	78	PPGAAASAAKPP
30989	Q7Z5L9	87	AKPPPLS A KDILL
30990	Q7Z5L9	135	LGSDFG S SRPAAS
30991	Q7Z5L9	163	LVPNGF S KLEEPP
30992	Q7Z5L9	195	VPLMNGS A TPLPT
30993	Q7Z5L9	212	GGRAAAS L AAVSG
30994	Q7Z5L9	217	ASLAAV S GTAAS
30995	Q7Z5L9	226	AAASLG S AQPTDL
30996	Q7Z5L9	242	KRPASV S SSAAVE
30997	Q7Z5L9	243	RPASV S SSAAVEH
30998	Q7Z5L9	244	PASV S SSAAVEHE
30999	Q7Z5L9	272	HRGPAD S LSTAAG
31000	Q7Z5L9	323	HSGPFES K KKEP
31001	Q7Z5L9	347	ANGANGS K AVART
31002	Q7Z5L9	381	EAQPWL S TSTEGL
31003	Q7Z5L9	399	PTSSFVS P PPPTA
31004	Q7Z5L9	406	PPPPTAS P HSNRT
31005	Q7Z5L9	409	PTASPH S NRTTPP
31006	Q7Z5L9	423	AAQNGQS P MAALI
31007	Q7Z5L9	441	AGGSHASKDANQV
31008	Q7Z5L9	449	DANQVHS T TRRNS
31009	Q7Z5L9	462	NSPPSP S SMNQRR
31010	Q7Z5L9	463	SPPSP S MNQRL
31011	Q7Z5L9	496	PASLPD S SLATSA
31012	Q7Z5L9	497	ASLPD S SLATSAP
31013	Q7Z5L9	501	DSSLAT S APLCCT
31014	Q7Z5L9	526	QCPSVPS H KFCFP
31015	Q7Z5L9	534	KFCFPC S RQSIKQ
31016	Q7Z5L9	544	IKQQGAS G EYVYCP
31017	Q7Z5L9	551	GEVYCP S GEKCPL
31018	Q7Z6J0	22	LERLDAS A KVLPC
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31020	Q7Z6J0	114	SSKDLQS S QGGQQ
31021	Q7Z6J0	127	PRVQSWS P PPVRGI
31022	Q7Z6J0	252	IGIFPI S YVEFNS
31023	Q7Z6J0	286	SSAAAQS S STAPKH
31024	Q7Z6J0	315	TMANKSSQASQNR
31025	Q7Z6J0	333	SPPVLI S SSNPTA
31026	Q7Z6J0	335	PVLISS S NPTAAA
31027	Q7Z6J0	350	SELSGL S CSAPSQ
31028	Q7Z6J0	352	LSGLSCSAPSQVH
31029	Q7Z6J0	512	RAVTNASQAKVPM
31030	Q7Z6J0	534	VTMVSP S TAGGPA
31031	Q7Z6J0	551	GNGVAG S PSVVPA
31032	Q7Z6J0	553	GVAGSP S VVPAAV
31033	Q7Z6J0	568	AAHIQT S PQAKVL
31034	Q7Z6J0	620	AGLSPAS V GLSHH
31035	Q7Z6J0	627	VGLSHHS L ASPQP
31036	Q7Z6J0	640	APLMPGS A THTAA
31037	Q7Z6J0	653	ISISRAS A PLACA
31038	Q7Z6J0	666	AAAPLT S PSITSA
31039	Q7Z6J0	671	TSPSITS S ASLEAE
31040	Q7Z6J0	695	LPTSPD S ASSACG
31041	Q7Z6J0	698	SPDSASSACGNSS
31042	Q7Z6J0	724	GLLKLLS G ASTKR
31043	Q7Z6J0	727	KLLSGA S TKRKPR

31044	Q7Z6J0	735	KRKPRVSSPPASPT
31045	Q7Z6J0	772	GHGRAGSCPVGDG
31046	Q7Z6J0	804	KASSLDSAVPIAP
31047	Q7Z6J0	817	PPRQACSSLGPVL
31048	Q7Z6J0	826	GPVLNESRPVVCE
31049	Q86T82	14	GPIRIRSMQTGIT
31050	Q86T82	54	PRIFQLSHNIKNV
31051	Q86T82	70	PSGAKQSRLMLTL
31052	Q86T82	114	PAAMKPSQGSGSF
31053	Q86T82	134	TSQKETSRQLSYS
31054	Q86T82	138	ETSRQLSYSNDNQA
31055	Q86T82	140	SRQLSYSNDNQASA
31056	Q86T82	145	YSDNQASAKRGSL
31057	Q86T82	170	GNPGRGSIKTVAG
31058	Q86T82	185	IARTIPSILTSTST
31059	Q86T82	210	KRKRMISSTGSELN
31060	Q86T82	236	KAMTDPSRKYLTS
31061	Q86T82	249	SREKQLSLKQSEE
31062	Q86T82	280	AGSKEHSSGGTNL
31063	Q86T82	281	GSKEHSSGGTNLD
31064	Q86T82	293	DRTNVSSQTPSAK
31065	Q86T82	297	VSSQTPSAKRSLG
31066	Q86T82	344	QQLQGFSNLGNTC
31067	Q86T82	361	ILQSLFSLQSFAN
31068	Q86T82	364	SLFSLQSFANDLL
31069	Q86T82	613	SAHMAISRPLKAS
31070	Q86T82	624	ASQMVNNSCITSPS
31071	Q86T82	663	KRSVALSQRLCEM
31072	Q86T82	698	KSELENSGFDRMS
31073	Q86T82	721	ISKRDASPSLSHE
31074	Q86T82	725	DASPSSLSHEDDDK
31075	Q86T82	818	QQALAQSLQESEA
31076	Q86T82	928	YNDLEVSKIQEAA
31077	Q86T82	942	QSDRDRSGYIFFY
31078	Q86T82	964	LETEKNSQSLSTE
31079	Q86T82	966	TEKNSQSLSTEVG
31080	Q86U42	19	AAGGRGSGPGRRR
31081	Q86U42	52	YGNGLSEELEPE
31082	Q86U42	90	PGPGPGSGAPGSQ
31083	Q86U42	95	GSGAPGSQEEEEEE
31084	Q86U42	150	EKQMNMSPPPGNA
31085	Q86U42	162	AGPVIMSIEEKME
31086	Q86U42	173	MEADARSIYVGNV
31087	Q86U42	197	HFHGCGSVNRVTI
31088	Q86U42	209	ILCDKFSGHPKG
31089	Q86U42	221	FAYIEFSDKESVR
31090	Q86U42	225	EFSDKESVRTSLA
31091	Q86U42	229	KESVRTSLALDES
31092	Q86U42	235	SLALDESLFGRGRQ
31093	Q86U42	255	TNRPGISTTDRGF
31094	Q86U42	275	RTTNYNSSRSRFY
31095	Q86U42	276	TTNYNNSRSRFYS
31096	Q86U42	278	NYNSSRSRFYSGF
31097	Q86U42	282	SRSRFYSGFNSRP
31098	Q86U42	286	FYSGFNSRPRGRV
31099	Q86UC2	10	KPAKAASLARNLA
31100	Q86UC2	30	GGAAGRSQEPEVP
31101	Q86UC2	78	GLCGAGSEPSIAP

31102	Q86UC2	81	GAGSEPSIAPTSC
31103	Q86UC2	86	PSIAPTS CAGNLP
31104	Q86UC2	93	CAGNLP S RPPPLL
31105	Q86UC2	100	RPPPLLS PLLASR
31106	Q86UC2	105	LSPLLAS RNPCPW
31107	Q86UC2	117	WHYLHLS GSHNTL
31108	Q86UC2	119	YLHL SGSHNTLAP
31109	Q86UC2	138	LHRKRG S QPPDMA
31110	Q86UC2	145	QPPDMA S ALTDRT
31111	Q86UC2	152	ALTDRT S RAPSTY
31112	Q86UC2	156	RTSRAPSTYTYS
31113	Q86UC2	162	STYTYS T SRPRALP
31114	Q86UC2	172	ALPCQR S RYRDSL
31115	Q86UC2	177	RSRYRD S LTQPDE
31116	Q86UC2	216	LLGRPDS LELQRQ
31117	Q86UC2	329	GKTIEQS LLLEVME
31118	Q86UC2	345	LANLRAS QREYEE
31119	Q86UC2	355	YEELRN S ERAEVQ
31120	Q86UC2	392	HKHNETS QKIAAR
31121	Q86UC2	411	LADLLPS VFGSLR
31122	Q86UC2	415	LPSVFG S LRDSGY
31123	Q86UC2	419	FGSLRDS GYFYDP
31124	Q86UC2	449	EKTMEY S MVGRTV
31125	Q86UC2	480	GEDTHQS PEPEDE
31126	Q86UC2	496	PGAMTE S LEASEF
31127	Q86UC2	500	TESLEASE FLEQS
31128	Q86UC2	506	SEFLEQS MSQ TRE
31129	Q86UC2	508	FLEQSMS QTRELL
31130	Q86UC2	529	TTYDRRS S QERKF
31131	Q86UC2	530	TYDRRSS QERKF
31132	Q86UP2	15	FIVLIPS I VITVI
31133	Q86UP2	87	PRDFKLS DALAVE
31134	Q86UP2	170	KPGQKK S KNGSDD
31135	Q86UP2	204	QETKQE S GSGKK
31136	Q86UP2	206	TKQESGS GKKK AS
31137	Q86UP2	212	SGKKK AS SKKQKT
31138	Q86UP2	243	MNDADS S PVVDKR
31139	Q86UP2	290	FKDFLLS LKTMMF
31140	Q86UP2	323	DALKKS S KGELTT
31141	Q86UP2	397	QNKI HV SYQETQQ
31142	Q86UP2	434	ILRDAVS NTTNQL
31143	Q86UP2	442	TTNQLES KQSAEL
31144	Q86UP2	534	EVQSLHS KLTDTL
31145	Q86UP2	542	LTDTLV S KQQLEQ
31146	Q86UP2	556	LMQLME S EQKRVN
31147	Q86UP2	632	ERDRLLT S KEEELK
31148	Q86UP2	712	QNKA LK S EVQKLQ
31149	Q86UP2	722	KLQTLV S EQPNKD
31150	Q86UP2	860	QQLSITS KVQELQ
31151	Q86UP2	926	KEASSAS QFEELE
31152	Q86UP2	975	ENKLFKS QIEQLK
31153	Q86UP2	1002	ELLKVI SEREKEI
31154	Q86UP2	1009	EREKEI S GLWNEL
31155	Q86UP2	1058	DKVNKT S KERQQQ
31156	Q86UP2	1087	PKVSVP S NLSYGE
31157	Q86UP2	1194	ELERLRS ENKDIE
31158	Q86UP2	1221	KAEMERS STYVTEV
31159	Q86UP2	1295	SLELIQS KIVKAA

31160	Q86UP2	1318	VSPETESEKETM
31161	Q86UP2	1319	SPETESEKETMS
31162	Q86UP2	1327	KETMSVSLNQTVT
31163	Q86UQ8	12	CWHTLKS LNGYKN
31164	Q86UQ8	20	NGYKNLSSGAETR
31165	Q86UQ8	21	GYKNLSSGAETRE
31166	Q86UQ8	31	TREGLRSSPVDL
31167	Q86UQ8	32	REGLRSSPVDLP
31168	Q86UQ8	33	EGLRSSSPVDLPL
31169	Q86UQ8	55	GQRKLLSLQLLL
31170	Q86UQ8	65	LLCACTSVTDLTY
31171	Q86UQ8	85	ATAPHRSLLAIHL
31172	Q86UQ8	97	LHLVPASSAAMKA
31173	Q86UQ8	98	HLVPASSAAMKAT
31174	Q86UQ8	121	PQGHAPS AEDPTG
31175	Q86UQ8	132	TGTWTVS GPCKD
31176	Q86UQ8	144	HHPFLSQSNPPT
31177	Q86UQ8	146	HPFLSQSNPPTRI
31178	Q86UQ8	153	NPPTRIS SALPLK
31179	Q86UQ8	154	PPTRISSALPLKT
31180	Q86UQ8	162	LPLKTDSALEQTP
31181	Q86UR1	31	RALHLFS GVPAPP
31182	Q86UR1	93	RFQEALS DFWLAL
31183	Q86UR1	130	VLHNVASAQCQLG
31184	Q86UR1	143	LWTEAASSLREAM
31185	Q86UR1	144	WTEAASSLREAMS
31186	Q86UR1	150	SLREAMSKWPEGS
31187	Q86UR1	156	SKWPEGSLNGLDS
31188	Q86UR1	162	SLNGLDS ALDQVQ
31189	Q86UR1	208	KAKVVASAI PDDQ
31190	Q86UR1	234	ANHDARS LIMDSP
31191	Q86UR1	239	RSLIMDS PRAGTH
31192	Q86UR1	262	GADRCTS STAYQE
31193	Q86UR1	282	GKQAPLS PGLPAM
31194	Q86UR1	310	GAGAGGS EPLVTV
31195	Q86UR1	335	RRGADLSS LRALL
31196	Q86UR1	336	RGADLSS LRALLG
31197	Q86UR1	355	AQLGQLSY LAPGE
31198	Q86UR1	373	PIPEEES LQRAWQ
31199	Q86UR1	409	QVVAQHS YSAQGP
31200	Q86UR1	411	VAQHSYS A QGPED
31201	Q86V48	13	YKETASS RHLRFK
31202	Q86V48	60	AEGSNSSMLAEIE
31203	Q86V48	152	NLTKKIS SELEML
31204	Q86V48	248	IEDGISS TLPSKE
31205	Q86V48	252	ISSTLPSKESRRK
31206	Q86V48	317	ELKKMKSKNNDLQ
31207	Q86V48	328	LQDNYLSEQNKNK
31208	Q86V48	367	ED AFLSS KGRHER
31209	Q86V48	417	NENYSLSNRQVSS
31210	Q86V48	443	MGVSTDGTQETK
31211	Q86V48	459	DRFVPGSS SQSEGK
31212	Q86V48	460	RFVPGSS QSEGKK
31213	Q86V48	492	KAWKGTS KPGTES
31214	Q86V48	535	KASDTSS SETVFGK
31215	Q86V48	558	VTQAANS GCSKAI
31216	Q86V48	561	AANSGCSKAIGAL
31217	Q86V48	569	AIGALAS SRRSSS

31218	Q86V48	611	YPYSCRSQENILQ
31219	Q86V48	620	NILOQFSTSHKEG
31220	Q86V48	651	RCRVIKS SGREKP
31221	Q86V48	720	ENESVKSVRASTN
31222	Q86V48	795	PNKVTSSITIYPS
31223	Q86V48	801	SITIYPSDSSSPR
31224	Q86V48	833	GLAELTS VSNHVS
31225	Q86V48	839	SVSNHVSSPFELS
31226	Q86V48	840	VSNHVSSPFELSI
31227	Q86V48	905	IRWKSHSAPSEVG
31228	Q86V48	913	PSEVGFS DARHVT
31229	Q86V48	926	VRNAWKS RRDLKs
31230	Q86V48	957	AYTQRSS TDFSEL
31231	Q86V48	961	RSSTDFFSELEQPR
31232	Q86V48	989	GDAPEPS SRRTQS
31233	Q86V48	1034	GEDCTL SVYRQLH
31234	Q86V81	8	ADKMDMS LDDIIK
31235	Q86V81	18	I IKLNRS QRGGRG
31236	Q86V81	34	GRGRAGS QGGGRGG
31237	Q86V81	78	NRPAPY S RPQQLP
31238	Q86V81	94	QHDLFD SGFGGGGA
31239	Q86V81	111	GGKLLVSNLDFGV
31240	Q86V81	118	NLDGFVSDADIQE
31241	Q86V81	142	AVHYDRSGRSLGT
31242	Q86V81	145	YDRSGRS LGTADV
31243	Q86V81	183	NIQLVTS QIDAQR
31244	Q86V81	194	QRRPAQSVNRGGM
31245	Q86V81	234	RGAGRNS KQQLSA
31246	Q86V81	239	NSKQQLSAEELDA
31247	Q86VP1	25	FQNVAKS YLPNAH
31248	Q86VP1	58	IFKVGWS TARDYY
31249	Q86VP1	69	YYTFLWS PMPEHY
31250	Q86VP1	115	GEIRGAS TPFQFR
31251	Q86VP1	124	FQFRASS PVEELL
31252	Q86VP1	212	LTEVTQSLKMENE
31253	Q86VP1	229	RFSDATSKAHQLE
31254	Q86VP1	240	LEEDIVSVTHKAI
31255	Q86VP1	254	KETELDS LKDCLK
31256	Q86VP1	299	ENTKLMSEVQTLK
31257	Q86VP1	313	LDGNKES VITHFK
31258	Q86VP1	344	TFLLTTSS KEDTC
31259	Q86VP1	345	FLLTTSS KEDTC
31260	Q86VP1	378	FLAKELS DAVNVR
31261	Q86VP1	467	KQINKLSDQ SANN
31262	Q86VP1	470	NKLSDQ SANNNNV
31263	Q86VP1	491	QKVNDAS VNTDPA
31264	Q86VP1	499	NTDPAT SASTVDV
31265	Q86VP1	501	DPATSAS TVDVKP
31266	Q86VP1	508	TV DVKPS PSAAEA
31267	Q86VP1	510	DVKPSPS AAEADF
31268	Q86VP1	607	KMEGQNS QSPQCF
31269	Q86VP1	617	QCFKTCSE QNGYV
31270	Q86VP1	627	GYVLTLS N AQPVL
31271	Q86VP1	641	YGNPYAS QETRDG
31272	Q86VP1	676	EDNVVCS QPARNF
31273	Q86VP1	708	TAPDPPS QHLRGH
31274	Q86VP1	722	TGFCFDSS F DVHK
31275	Q86VP1	744	PPNYDQSKFEEHV

31276	Q86VP1	752	FEEHVESHWKVCP
31277	Q86VP1	761	KVCPMCSEQFPD
31278	Q86W56	22	WGAATTSPAASDA
31279	Q86W56	26	TTSPAASDARSFP
31280	Q86W56	33	DARSFPSRQRRVL
31281	Q86W56	53	QFRVPPSPACVP
31282	Q86W56	68	AGQHRGSATSLVF
31283	Q86W56	71	HRGSATSLVKQK
31284	Q86W56	95	KTAESESLDSEK
31285	Q86W56	108	NNTRIESMMSSVQ
31286	Q86W56	111	RIESMMSVQKDND
31287	Q86W56	112	IIESMMSVQKDNF
31288	Q86W56	130	EKLENVSQLSLDK
31289	Q86W56	142	KSPTEKSTQYLNQ
31290	Q86W56	249	PGEDCASCQQDEI
31291	Q86W56	268	PLSDVGSEDVGTG
31292	Q86W56	316	KNSCQDSEADEET
31293	Q86W56	333	DEQEDGSSSQTAN
31294	Q86W56	334	EQEDGSSSQTANK
31295	Q86W56	335	QEDGSSSQTANKP
31296	Q86W56	342	QTANKPSRFQARD
31297	Q86W56	375	QEFGGESRTGMND
31298	Q86W56	400	NVECRNSKQHGKK
31299	Q86W56	592	AQHLYQSILPDMV
31300	Q86W56	626	NHSITMSQEQIAS
31301	Q86W56	632	SQEQIASLLANA
31302	Q86W56	654	KMKSEYSSYPDINF
31303	Q86W56	655	VTFTRQSLEDFPE
31304	Q86W56	701	TGTEQYSEYTGYA
31305	Q86W56	790	TYRWSRSHEDGSE
31306	Q86W56	804	VSSENLSAVATGN
31307	Q86W56	863	EECRNCSTPGPDI
31308	Q86W56	944	VDAKDTSTSQSV
31309	Q86WB0	53	PQAEQPSLETSK
31310	Q86WB0	69	PSLESTSKEAFFS
31311	Q86WB0	74	SKEAFFSRVETFS
31312	Q86WB0	80	SRVETFSNLKWAG
31313	Q86WB0	86	GKPFELSPLVCAK
31314	Q86WB0	98	CDMLKCSCQAFL
31315	Q86WB0	118	DMLKCSCQAFLC
31316	Q86WB0	119	QAFLCASLQPAFD
31317	Q86WB0	127	FWPDSPPDRFGM
31318	Q86WB0	163	LDLQLPSLRPEDL
31319	Q86WB0	198	LTEDKISLLLHLL
31320	Q86WB0	215	TTIKLGSDIQVHV
31321	Q86WB0	240	VTACILSVCGWAC
31322	Q86WB0	252	CSSSLESMQSLI
31323	Q86WB0	264	LESMQLSLITCSQ
31324	Q86WB0	268	LSLITCSQCMRKV
31325	Q86WB0	273	FQQIESSMTDLDA
31326	Q86WB0	290	MTDLDASFGLTSS
31327	Q86WB0	297	SFGLTSSPIGLE
31328	Q86WB0	303	TRSWDSSSPVDRP
31329	Q86WB0	358	TRPVTRSMGTGDT
31330	Q86WB0	381	ARLCSSSSSDTSS
31331	Q86WB0	409	RLCSSSSSDTSSR
31332	Q86WB0	410	LCSSSSDTSSRS
31333	Q86WB0	411	

31334	Q86WB0	415	SSSDTSSRSFFDP
31335	Q86WB0	417	SDTSSRSFFDPTS
31336	Q86WB0	472	LAHKQSSQPAETD
31337	Q86WB0	479	QPAETDSMSLSEK
31338	Q86WB0	481	AETDSMSLSEKSR
31339	Q86WB0	486	MSLSEKSRKVFRI
31340	Q86WR7	8	PVTHRKSADSMN
31341	Q86WR7	11	HRKSDASDMNSDT
31342	Q86WR7	15	DASDMNSDTSPSC
31343	Q86WR7	18	DMNSDTSPSCRILR
31344	Q86WR7	20	NSDTSPSCRILRAF
31345	Q86WR7	27	CRLRAFSRGGSLE
31346	Q86WR7	31	AFSRGGSSLESRSS
31347	Q86WR7	34	RGGSLESRSSSSR
31348	Q86WR7	36	GSLESRSSSSSR
31349	Q86WR7	38	LESRSSSSRSRSF
31350	Q86WR7	41	RSSSSRSRSFTLD
31351	Q86WR7	50	FTLDDESALKYLTH
31352	Q86WR7	71	FEETIDSLEDDEFE
31353	Q86WR7	93	CCLCSPSLEESTS
31354	Q86WR7	97	SPSLEESTSSPSE
31355	Q86WR7	99	SLEESTSSPSEPE
31356	Q86WR7	102	ESTSSPSEPEDVI
31357	Q86WR7	190	HPRLLRSVPPTPLV
31358	Q86WR7	235	AARGPRSGDPGPG
31359	Q86WR7	243	DPGPGPSHPAQPK
31360	Q86WR7	255	KAPRFPSNIIVTN
31361	Q86WR7	311	GAPGGGSSPERVA
31362	Q86WR7	312	APGGGSSPERVAR
31363	Q86WR7	347	LANGFPSAHEALK
31364	Q86WR7	354	AHEALKSAPSSFA
31365	Q86WR7	358	LKSAPSSFAPAGK
31366	Q86WR7	365	FAPAGKSICFRPG
31367	Q86WR7	382	STRARQSFPGPRQ
31368	Q86WR7	400	DWRRADSLPRPQG
31369	Q86WR7	416	QFAGRGSSEEARR
31370	Q86WR7	417	FAGRGSSEEARRE
31371	Q86WV6	9	HSSLHPSIPCPRG
31372	Q86WV6	27	AALVLLSACLVTL
31373	Q86WV6	53	LVLHLASLQLGLL
31374	Q86WV6	65	LLNGVCSLAEELR
31375	Q86WV6	75	ELRHIHSRYRGSY
31376	Q86WV6	80	HSRYRGSYWRTVR
31377	Q86WV6	102	GALLLISIYFYYYS
31378	Q86WV6	108	SIYFYYSLPNAVG
31379	Q86WV6	127	LALLGLSQALNIL
31380	Q86WV6	145	LAPAEISAVCEKG
31381	Q86WV6	162	AHGLAWSYYIGYL
31382	Q86WV6	195	LLRGAVSQRLYIL
31383	Q86WV6	213	GVPDNLSMADPNI
31384	Q86WV6	241	IKDRVYSNSIYEL
31385	Q86WV6	243	DRVYSNSIYELLE
31386	Q86WV6	272	QTLFAMSQYSQAG
31387	Q86WV6	275	FAMSQYSQAGFSR
31388	Q86WV6	280	YSQAGFSREDRLE
31389	Q86WV6	305	LADAPESQNNCRL
31390	Q86WV6	321	QEPADESSFSLSQ
31391	Q86WV6	322	EPADDSSFSLSQE

31392	Q86WV6	324	ADDSSFS L SQEVL
31393	Q86WV6	326	DSSFS L SQEVLRH
31394	Q86WV6	345	EEVTVG S LKTSAV
31395	Q86WV6	349	VGSLKT S AVPSTS
31396	Q86WV6	353	KTSAVP S TSTMSQ
31397	Q86WV6	355	SAVP S TMSQEP
31398	Q86WV6	366	EPELLI S GMEKPL
31399	Q86X55	66	VRAGPD S AGIALY
31400	Q86X55	83	VCVFKC S VSRETE
31401	Q86X55	91	SRETEC S RVGKQS
31402	Q86X55	97	SRVGK Q SIITLG
31403	Q86X55	106	ITLGCNSVLIQFA
31404	Q86X55	119	TPNDFC S FYNILK
31405	Q86X55	135	GHTLERS V FSERT
31406	Q86X55	138	LERSVF S ERTEES
31407	Q86X55	144	SERTEES S AVQYF
31408	Q86X55	199	CGSGI L SFFAAQA
31409	Q86X55	271	NERMLES Y LHAKK
31410	Q86X55	317	NFWYQ P SFHGVDL
31411	Q86X55	324	FHGVDL S ALRGAA
31412	Q86X55	352	RILMAKS V KYTVN
31413	Q86X55	381	KFHMLH S GLVHGL
31414	Q86X55	447	IANKR Q SYDISIV
31415	Q86X55	461	QVDQTG S KSSNLL
31416	Q86X55	464	QTGSK S NNLLDLK
31417	Q86X55	487	PSPPP G HYTSPS
31418	Q86X55	491	PGSHYT S PSENMW
31419	Q86X55	501	NMWNTG S TYNLSS
31420	Q86X55	522	TAYDL S VIASGS
31421	Q86X55	526	LSSVIAS G SSVGH
31422	Q86X55	529	VIASG S SVGHNNL
31423	Q86X55	549	IVNHTHS R MGSIM
31424	Q86X55	553	THSRM G SIMSTGI
31425	Q86X55	556	RMGSIM S TGIVQG
31426	Q86X55	564	GIVQG S GAQGSG
31427	Q86X55	575	SGGGST S AHYAVN
31428	Q86X55	582	AHYAV N SQFTMGG
31429	Q86X55	595	PAISM A SPMSIPT
31430	Q86XR7	10	GKSKINS C PLSLS
31431	Q86XR7	14	INSCPL S LSWGKR
31432	Q86XR7	22	SWGKR H SVDTSPG
31433	Q86XR7	26	RHSVDT S PGYHES
31434	Q86XR7	32	SPGYH E SDSKKSE
31435	Q86XR7	34	GYHESD S KKSEDL
31436	Q86XR7	37	ESDSKK S EDLSLC
31437	Q86XR7	41	KKSEDL S LCNVAE
31438	Q86XR7	49	CNVAEH S NTTEGP
31439	Q86XR7	64	KQEGA Q SVEEMFE
31440	Q86XR7	132	DDAVNG S AWTILL
31441	Q86XR7	156	NFQFYT S LMNSVN
31442	Q86XR7	160	YTSLMN S VNRQHK
31443	Q86XR7	169	RQHKYN S VI PMRP
31444	Q86XR7	199	NALEEE S RGFPTQ
31445	Q86XR7	213	ERIFQE S VYKTQQ
31446	Q86YS7	46	TDVYL K S LNPQWN
31447	Q86YS7	81	LDHD T YSANDAIG
31448	Q86YS7	151	KFFCTT S IPKCYR
31449	Q86YS7	301	SPSKSY S RQSSSS

31450	Q86YS7	305	SYSRQSSSSDTDL
31451	Q86YS7	307	SRQSSSSDTDSL
31452	Q86YS7	415	HAVVGYSSESTSIC
31453	Q86YS7	417	VVGYSESTSICEE
31454	Q86YS7	419	GYSESTSICEEV
31455	Q86YS7	428	EVCILSASGTA
31456	Q86YS7	606	KTPNDGSYEQHIS
31457	Q86YS7	612	SYEQHISHMQKKI
31458	Q86YS7	637	INPPEISEEIIGS
31459	Q86YS7	652	PEPRQRSLRLRSQ
31460	Q86YS7	657	RSRLLRSQSESSD
31461	Q86YS7	661	LRSQSESSEDEVTE
31462	Q86YS7	662	RSQSESSDEVTEL
31463	Q86YS7	693	AMEDVHSLLTDVP
31464	Q86YS7	727	EIQMFTSVRVIRL
31465	Q86YS7	734	VRVIRLSLNLTN
31466	Q86YS7	735	RVIRLSSLNLTNQ
31467	Q86YS7	778	HVNFTVSLPEDEL
31468	Q86YS7	812	KTPVEKSLQRST
31469	Q86YS7	832	FPLELCSDSLPSH
31470	Q86YS7	834	LELCSDSLPSHPF
31471	Q86YS7	881	VKMTPLSFIPGAK
31472	Q86YS7	905	FIRETTSLRREEGG
31473	Q86YS7	965	QCLINVSGDAVV
31474	Q86YS7	975	VVFVRESDLEVVS
31475	Q86YS7	981	SDLEVVSQQPTT
31476	Q86YS7	982	DLEVVSSQQPTTN
31477	Q8IU85	8	ARENGETSSSWKK
31478	Q8IU85	9	RENGESSSSWKKQ
31479	Q8IU85	10	ENGESSSSWKKQA
31480	Q8IU85	11	NGESSSSWKKQAE
31481	Q8IU85	64	ALKGKESSIENEI
31482	Q8IU85	65	LKGKESSIENEIA
31483	Q8IU85	90	LEDIYESPNHLYL
31484	Q8IU85	102	LVMQLVSGGELFD
31485	Q8IU85	122	YTEKDASTLIRQV
31486	Q8IU85	154	ENLLYYSQDEESK
31487	Q8IU85	159	YSQDEESKIMISD
31488	Q8IU85	164	ESKIMISDFGLSK
31489	Q8IU85	169	ISDFGLSKMEGKG
31490	Q8IU85	199	LAQKPYSKAVDCW
31491	Q8IU85	206	KAVDCWSIGVIAY
31492	Q8IU85	227	FYDENDSKLFEQI
31493	Q8IU85	242	AEYEFDSPYWDDI
31494	Q8IU85	292	NKNIHESVSAQIR
31495	Q8IU85	294	NIHESVSAQIRKN
31496	Q8IU85	304	RKNFAKSKWQAF
31497	Q8IU85	326	RKLHLGS SLDSSN
31498	Q8IU85	330	LGSSLDSNASVSS
31499	Q8IU85	331	GSSLDDSNASVSS
31500	Q8IU85	336	SSNASVSSSLSLA
31501	Q8IU85	337	SNASVSSSLLAS
31502	Q8IU85	340	SVSSSLSLASQKD
31503	Q8IU85	343	SSLSSLASQKDCLA
31504	Q8IU85	351	KDCLAPSTLCFSI
31505	Q8IU85	355	APSTLCFSI SSSS
31506	Q8IU85	358	TLCFSI SSSGVVS
31507	Q8IU85	359	LCSFI SSSGVSG

31508	Q8IU85	360	CSFISSSGVSGV
31509	Q8IU85	364	SSSSGVSGVGAER
31510	Q8IUR7	12	ETPIRMSVLSEVT
31511	Q8IUR7	15	IRMSVLSEVTASS
31512	Q8IUR7	20	LSEVTASSRHYVD
31513	Q8IUR7	21	SEVTASSRHYVDR
31514	Q8IUR7	75	LLQQETSSTELKT
31515	Q8IUR7	89	CAVVLGSJAMGTE
31516	Q8IUR7	100	TENNVKSLLDCHI
31517	Q8IUR7	116	LLQGLLSPDLKFI
31518	Q8IUR7	135	LRTIFTSPTPEE
31519	Q8IUR7	172	YICQIFSHCCKGP
31520	Q8IUR7	199	IAHLLTSLSYKVR
31521	Q8IUR7	223	FENPQVSMTLVNV
31522	Q8IUR7	319	ELQRIASITDHLI
31523	Q8IUR7	337	YFKYPSSVSAITD
31524	Q8IUR7	339	KYPSSVSAITDIK
31525	Q8IUR7	367	AFKLYASLGANDE
31526	Q8IUR7	394	RIVTGLSESSVKV
31527	Q8IUR7	396	VTGLSESVKVRL
31528	Q8IUR7	397	TGLSESSVKVRLA
31529	Q8IUR7	410	AVRCLHSLSRSVQ
31530	Q8IUR7	412	RCLHSLSRSVQQL
31531	Q8IUR7	447	EILVVASMLCNL
31532	Q8IUR7	448	ILVVASSMLCNLL
31533	Q8IUR7	458	NLLLEFSPSKEPI
31534	Q8IUR7	512	DILRSLSTEQLFR
31535	Q8IUR7	523	FRLLSDSDLNVLM
31536	Q8IUR7	540	LLRNLLSTRPHID
31537	Q8IUR7	550	HIDKIMSTHGKQI
31538	Q8IUR7	610	KYYMGHSHVKLQL
31539	Q8IUR7	633	WNEEEGSQERQDK
31540	Q8IUR7	653	DILHKLSQLSPDSN
31541	Q8IUR7	655	LHKLSQSPDSNLNC
31542	Q8IUR7	658	LSQSPDSNLCDKA
31543	Q8IVP5	13	PPQDYESSDDSYE
31544	Q8IVP5	17	YESDDDSYEVLDL
31545	Q8IVP5	40	NRVFGHSSGPMVE
31546	Q8IVP5	41	RVFGHSSGPMVEK
31547	Q8IVP5	49	PMVEKYSVATQIV
31548	Q8IVP5	90	LLLQIASHSGYVQ
31549	Q8IVP5	92	LQIASHSGYVQID
31550	Q8IVP5	142	KQNIVISSGFVGG
31551	Q8IVP5	143	QNIVISSGFVGGF
31552	Q8IVT2	28	VLDGDTSYTYHLV
31553	Q8IVT2	41	CMGPEASGWGQDE
31554	Q8IVT2	67	VQRQGVSYSVHAY
31555	Q8IVT2	69	RQGVSYSVHAYTG
31556	Q8IVT2	156	QAVRKSSTVATLQ
31557	Q8IVT2	178	TPGPPRSTPLEEN
31558	Q8IVT2	213	NKGAPHSSPARGT
31559	Q8IVT2	228	GTTPGASQAPKAF
31560	Q8IVT2	269	AVPTWASVQVDD
31561	Q8IVT2	278	VVDDPGSLASVES
31562	Q8IVT2	281	DPGSLASVESPGT
31563	Q8IVT2	335	PLLTKLSSLITAPR
31564	Q8IVT2	348	RERGRPSLYVQRD
31565	Q8IVT2	376	LHVGRASTPDWVS

31566	Q8IVT2	449	AFGKPSSLSTA EA
31567	Q8IVT2	451	GKPSSLS TAEAKA
31568	Q8IVT2	460	EAKAATSPKATMS
31569	Q8IVT2	466	SPKATMS PRHLSE
31570	Q8IVT2	485	STKQEAS KPPRGC
31571	Q8IVT2	544	LQKSQSS DLLERE
31572	Q8IVT2	553	LERERE SVLRREQ
31573	Q8IVT2	589	DQNSRSSS SQASGI
31574	Q8IVT2	590	QNSRSSS QASGIT
31575	Q8IVT2	593	RSSSQAS GITGSY
31576	Q8IVT2	600	GITGSY SVSESPF
31577	Q8IVT2	602	TGSYSV SESPFFS
31578	Q8IVT2	608	SESPFFS PIHLHS
31579	Q8IVT2	614	SPIHLHS SNVAWTV
31580	Q8IVT2	626	VEDPVDS APPGQR
31581	Q8IVT2	644	YAGINPS DGINSE
31582	Q8IVT2	670	MAERWE SRIYASE
31583	Q8IW19	39	ITDKRV SRRHAIL
31584	Q8IW19	66	NPCFYQS SEKSQL
31585	Q8IW19	70	YQSSEKS QLLPLK
31586	Q8IW19	90	NPGDSFS LLVDKY
31587	Q8IW19	102	YIFRILS IPSEVE
31588	Q8IW19	144	HETTGAS QLEGST
31589	Q8IW19	149	ASQLEGS TEIAKT
31590	Q8IW19	162	QMTPTNS VSFLGE
31591	Q8IW19	164	TPTNSVS FLGENR
31592	Q8IW19	196	MLAEHLS DQNLSV
31593	Q8IW19	206	LSVPAIS GGNVIQ
31594	Q8IW19	214	GNVIQGS GKEEIC
31595	Q8IW19	224	EICKDKS QLNTTQ
31596	Q8IW19	238	GRRQLI SSSEN
31597	Q8IW19	239	RRQLI SSSENT
31598	Q8IW19	241	QLISSGS SENTSA
31599	Q8IW19	242	LISSGS SENTSAE
31600	Q8IW19	246	GSSENTS AEQDTG
31601	Q8IW19	263	NTDQEES TISSKE
31602	Q8IW19	266	QEESTIS SKEMPQ
31603	Q8IW19	305	EELGKV SKHKIAT
31604	Q8IW19	329	SCSENC SAQGDS
31605	Q8IW19	330	CSENCSS AQGDSL
31606	Q8IW19	335	SSAQGDS LQDESQ
31607	Q8IW19	343	QDESQGS HSESSS
31608	Q8IW19	347	QGSHSES SSNPSN
31609	Q8IW19	349	SHSESSS SNPSNPE
31610	Q8IW19	364	HAKATDS VLQGSE
31611	Q8IW19	378	NKVKRTS CMYGAN
31612	Q8IW19	426	ECPYGPS CYRKNP
31613	Q8IW19	467	EYDLNDS FLDDEE
31614	Q8IW41	15	KAIKETS ILEEYS
31615	Q8IW41	21	SILEEYS INWTQK
31616	Q8IW41	33	KLGAGIS GPVRVC
31617	Q8IW41	43	RVCVKKS TQERFA
31618	Q8IW41	85	IEVFANS VQFPHE
31619	Q8IW41	92	VQFPHE SSPRARL
31620	Q8IW41	93	QFPHES SSPRARL
31621	Q8IW41	126	FTEKQAS QVTQKI
31622	Q8IW41	160	LLFKDNS LDAPVK
31623	Q8IW41	206	RHQKEKSG IIPTS

31624	Q8IW41	221	PYTYNKSCDLWSL
31625	Q8IW41	226	KSCDLWSLGVIY
31626	Q8IW41	243	GYPPFYSKHHSRT
31627	Q8IW41	247	FYSKHHSSRTIPKD
31628	Q8IW41	262	RKIMTGSFEFPEE
31629	Q8IW41	271	FPEEEWSQISEMA
31630	Q8IW41	274	EEWSQISEMAKDV
31631	Q8IW41	306	DHPWLNSTEALDN
31632	Q8IW41	316	LDNVLPQAQLMMD
31633	Q8IW41	348	IQDLKVSLKPLHS
31634	Q8IW41	354	SLKPLHSVNNPIL
31635	Q8IW41	373	GTPKDSVYIHDH
31636	Q8IW41	386	ENGAEDSNVALEK
31637	Q8IW41	438	LRDTLQSFSWNNGR
31638	Q8IW41	440	DTLQSFSWNNGRF
31639	Q8IWL1	16	LILMAASGAACEV
31640	Q8IWL1	29	KDVCVGSPGIPGT
31641	Q8IWL1	38	IPGTPGSHGLPGR
31642	Q8IWL1	126	QTRGALSLOGSIM
31643	Q8IWL1	130	ALSLQGSIMTVGE
31644	Q8IWL1	140	VGEKVFSNGQSI
31645	Q8IWL1	141	GEKFVSSNGQSI
31646	Q8IWL1	145	FSSNGQSTITFDI
31647	Q8IWL1	176	ENEAIASFVKKYN
31648	Q8IWL1	194	GLTEGPSPGDFRY
31649	Q8IWL1	201	PGDFRYSDGTPVN
31650	Q8IWT6	64	KWVTKDSNNDFR
31651	Q8IWT6	84	EPTYPNSTILPTP
31652	Q8IWT6	140	LIFLACSNFWFKF
31653	Q8IWT6	150	FKFPRTSSKLEHF
31654	Q8IWT6	151	KFPRTSSKLEHFV
31655	Q8IWT6	158	KLEHFVSILLKCF
31656	Q8IWT6	166	LLKCFDSPWTTRA
31657	Q8IWT6	174	WTTRALSETVVEE
31658	Q8IWT6	181	ETVVEESDPKPAF
31659	Q8IWT6	193	FSKMNGSMDKKSS
31660	Q8IWT6	198	GSMDKKSSTVSED
31661	Q8IWT6	199	SMDKKSSTVSEDEV
31662	Q8IWT6	227	QGIVDRSETGVLD
31663	Q8IWT6	301	CTVDIESLTGYRT
31664	Q8IWT6	323	LFKILASFYISLV
31665	Q8IWT6	327	LASFYISLVIFYG
31666	Q8IWT6	347	WWMLRRSLKKYSF
31667	Q8IWT6	355	KKYSFESIREESS
31668	Q8IWT6	360	ESIREESSYSDIP
31669	Q8IWT6	361	SIREESSYSDIPD
31670	Q8IWT6	363	REESSYSDIPDVK
31671	Q8IWT6	387	QYDPLYSKRFAVF
31672	Q8IWT6	398	VFLSEVSENKLRLQ
31673	Q8IWT6	514	IPLWIYSLKTLEE
31674	Q8IWT6	528	HTGNLSAENNRY
31675	Q8IWT6	553	KVLRLLSKNLSPKLP
31676	Q8IWT6	556	RLKSNLSKLPQVV
31677	Q8IWT6	586	KLIVLNSLKKMAN
31678	Q8IWT6	609	LERIPHISIFSLHN
31679	Q8IWT6	612	IPHSIFSLHNLQE
31680	Q8IWT6	745	GNVNLQSLPSRVG
31681	Q8IWT6	748	VLQSLPSRVGELT

31682	Q8IWT6	782	CPLLKRSGLVVEE
31683	Q8IX03	108	VAQEALSAQKEIY
31684	Q8IX03	147	SQVSLVSGSSSS
31685	Q8IX03	151	LVSGSSSSSKYDP
31686	Q8IX03	152	VSGSSSSSKYDPE
31687	Q8IX03	255	FRTDRGSHSDLWS
31688	Q8IX03	257	TDRGSHSDLWSS
31689	Q8IX03	261	SHSDLWSSSSLE
31690	Q8IX03	262	HSDLWSSSSLES
31691	Q8IX03	264	DLWSSSSLESSS
31692	Q8IX03	270	SSLESSSFPLPKQ
31693	Q8IX03	287	SSQTDISGSFGIN
31694	Q8IX03	425	LHSQLKSLSMMQ
31695	Q8IX03	429	LKSLSSSMQSLSS
31696	Q8IX03	432	LSSSMQSLSSGSS
31697	Q8IX03	441	SGSSPGSLTSSRG
31698	Q8IX03	444	SPGSLTSRGSLV
31699	Q8IX03	448	LTSSRGSLVASSL
31700	Q8IX03	457	ASSLDSTSASFT
31701	Q8IX03	538	TSLSPRSSLSSPS
31702	Q8IX03	541	SPRSSLSSPSPPC
31703	Q8IX03	584	ELSLGNSAQERYR
31704	Q8IX03	644	VQRLGASEAAAFD
31705	Q8IX03	654	AFDSDESEAVGAT
31706	Q8IX03	706	VAVLPCSESTTCL
31707	Q8IX03	733	NEVFWVSMSYPAL
31708	Q8IX03	777	CRSGERSTRWYNL
31709	Q8IX03	841	TQTLEDWRYEET
31710	Q8IX03	914	RRVGTPSQGPFLR
31711	Q8IX03	949	NRSDDSDSTLSKK
31712	Q8IX03	974	VRMKRPSVKSLR
31713	Q8IX03	1003	ATRTWHSQLTQEI
31714	Q8IXJ6	46	FLRNLFSQLTLSLG
31715	Q8IXJ6	50	LFSQTLSQLSQKE
31716	Q8IXJ6	53	QTLSQLSQKERLL
31717	Q8IXJ6	73	VARYMQSERCRRV
31718	Q8IXJ6	88	LVGAGISTSAGIP
31719	Q8IXJ6	90	GAGISTSAGIPDF
31720	Q8IXJ6	98	GIPDFRSPSTGLY
31721	Q8IXJ6	100	PDFRSPSTGLYDN
31722	Q8IXJ6	122	EAIFEISYFKKHP
31723	Q8IXJ6	193	HGTFTSHCVSAS
31724	Q8IXJ6	197	YTSCHCVSASCRRHE
31725	Q8IXJ6	199	SHCVSASCRHEYD
31726	Q8IXJ6	207	RHEYPLSWMKEKI
31727	Q8IXJ6	215	MKEKIFSEVTPKC
31728	Q8IXJ6	226	KCEDCQSIVLPDI
31729	Q8IXJ6	238	IVFFGEISLPAREFF
31730	Q8IXJ6	245	LPARFFSCMQSDF
31731	Q8IXJ6	249	FFSCMQSDFLKVD
31732	Q8IXJ6	263	LLVMGTSLOVQPF
31733	Q8IXJ6	271	QVQPFASLISKAP
31734	Q8IXJ6	274	PFASLISKAPLST
31735	Q8IXJ6	279	ISKAPLSTPRLLI
31736	Q8IXJ6	293	KEKAGQSDPFLGM
31737	Q8IXJ6	311	GGMDFDSKKAYRD
31738	Q8IXJ6	351	VRREHASIDAQSG
31739	Q8IXJ6	356	ASIDAQSGAGVPN

31740	Q8IXJ6	364	AGVPNPTSASP K
31741	Q8IXJ6	366	VPNPSTSASP K K
31742	Q8IY84	24	RWDRRD S VESGCQ
31743	Q8IY84	27	RRDSV E SGCQTES
31744	Q8IY84	33	SGCQTES S KEGEE
31745	Q8IY84	34	GCQTESS K EGEEG
31746	Q8IY84	56	KLTQDMS Q DEKV V
31747	Q8IY84	82	IRGEIGS G NFSQV
31748	Q8IY84	86	IGSGNFS Q VKLGI
31749	Q8IY84	94	VKLGIHS L TKEKV
31750	Q8IY84	119	KTQRLLS R EISSM
31751	Q8IY84	123	LLSREIS S M E KLH
31752	Q8IY84	124	LSREISS M EKLHH
31753	Q8IY84	144	EVVETLS K LHLVM
31754	Q8IY84	163	ELFGKIS T EGK L S
31755	Q8IY84	169	STEGKLS E PESKL
31756	Q8IY84	173	KLSEPE S KLIFSQ
31757	Q8IY84	178	ESKLIFS Q I I SAV
31758	Q8IY84	182	IFSQIV S AVKHMH
31759	Q8IY84	206	ENVFTS N TCVKV
31760	Q8IY84	218	VGDFGF S TVSKKG
31761	Q8IY84	221	FGFSTVS K KG E ML
31762	Q8IY84	233	LNTFCGS P PPYAAP
31763	Q8IY84	282	VAKLKK S ILEGY
31764	Q8IY84	289	ILEGTY S VPHVS
31765	Q8IY84	295	SVPPHV S EPCHRL
31766	Q8IY84	345	LDPKHL S ETSTLK
31767	Q8IY84	348	KHLSET S TLKEEE
31768	Q8IY84	359	EENEVK S TLEHLG
31769	Q8IY84	381	QGRDARS S ITGVY
31770	Q8IY84	382	GRDARSS I TGVYR
31771	Q8IY84	402	RKKALE S VPVMM L
31772	Q8IY84	420	RDLKKGS R VYRGI
31773	Q8IYA6	31	AKGKLKS Q NTKPY
31774	Q8IYA6	40	TKPYLKS K NNCQN
31775	Q8IYA6	52	NQPPSK S TIRPKN
31776	Q8IYA6	75	KPKRSIS I KLQPR
31777	Q8IYA6	88	PPNTAGS Q PKPLE
31778	Q8IYA6	105	LGKRLT S ECVSSN
31779	Q8IYA6	120	SKPSSKS F QQCEA
31780	Q8IYA6	128	QCCEAGS S TTGEL
31781	Q8IYA6	129	QCEAGSS T TGELS
31782	Q8IYA6	135	STTGELS R KPVGS
31783	Q8IYA6	175	IHVENES L DNFLK
31784	Q8IYA6	207	PKLYTR S KPKTDS
31785	Q8IYA6	213	SKPKTDS Y NQTKN S
31786	Q8IYA6	220	YNQTKNS L VPKQA
31787	Q8IYA6	234	GKSSVNS A VLKDR
31788	Q8IYA6	251	FVGETQS R TFPV K
31789	Q8IYA6	262	VKSQQLS R GADLA
31790	Q8IYA6	275	RPGVKPS R TVPSH
31791	Q8IYA6	280	PSRTVPS H FIRTL
31792	Q8IYA6	291	TLSKVQS S KKPV V
31793	Q8IYA6	320	NETKIRS Y PVTEQ
31794	Q8IYA6	338	KPRTYP S LLQGEY
31795	Q8IYA6	388	TVGRFN S AIPSTP
31796	Q8IYA6	402	IRPNGT S GNKHNN
31797	Q8IYA6	474	LEEWQKS K GKTYK

31798	Q8IYA6	499	IKE <u>MNI</u> SFWKSIE
31799	Q8IYA6	518	KAQLEL <u>S</u> SKINNT
31800	Q8IYA6	547	IILN <u>ILSS</u> IPEAEK
31801	Q8IYA6	567	KAKLL <u>A</u> KGTFDV
31802	Q8IYA6	602	LNL <u>IQDS</u> NRTTEG
31803	Q8IYA6	611	TTEGITS <u>DSLVAE</u>
31804	Q8IYA6	690	ITPVRR <u>S</u> RIERA
31805	Q8IYA6	698	RIERAV <u>S</u> RYPEML
31806	Q8IYB3	18	EQDNRF <u>S</u> NKQKKL
31807	Q8IYB3	41	EKKVDM <u>S</u> KVNLEV
31808	Q8IYB3	82	EVKNP <u>DPS</u> KMMQIN
31809	Q8IYB3	177	SPRRRK <u>S</u> RSRSPSPR
31810	Q8IYB3	187	SPRRR <u>SSP</u> VVRER
31811	Q8IYB3	200	KRSHSRS <u>S</u> RHRTK
31812	Q8IYB3	242	QEATST <u>S</u> DILKVP
31813	Q8IYB3	284	SRSRS <u>SKS</u> RSRTRS
31814	Q8IYB3	286	SRS <u>KSRS</u> RTRSRS
31815	Q8IYB3	290	SRSRT <u>TR</u> RSRSPSHT
31816	Q8IYB3	294	TRSRS <u>SP</u> HTRPRR
31817	Q8IYB3	356	RSSAS <u>LS</u> GSSSSS
31818	Q8IYB3	358	SASL <u>SGS</u> SSSSSS
31819	Q8IYB3	360	SLSG <u>SSSSSSSS</u> R
31820	Q8IYB3	361	LSG <u>SSSSSSSS</u> RS
31821	Q8IYB3	363	GSSSSSS <u>SSRSRS</u>
31822	Q8IYB3	365	S <u>SSSSSS</u> RSRSPP
31823	Q8IYB3	367	S <u>SSSSRS</u> RSPPKK
31824	Q8IYB3	379	KPPKRT <u>S</u> SPPRKT
31825	Q8IYB3	492	RRQNQQ <u>S</u> SSDSGS
31826	Q8IYB3	494	QNQQ <u>S</u> SSDSGSSS
31827	Q8IYB3	496	Q <u>QSSSD</u> GSSSSS
31828	Q8IYB3	498	SS <u>SDSGS</u> SSSED
31829	Q8IYB3	590	P <u>PPR</u> RS <u>SP</u> PRRY
31830	Q8IYB3	592	P <u>RRRSP</u> S <u>PR</u> RYSP
31831	Q8IYB3	657	RRSP <u>SL</u> S <u>SK</u> HRKG
31832	Q8IYB3	664	SKHRKG <u>S</u> SPSRST
31833	Q8IYB3	667	RKGSS <u>PS</u> RSTREA
31834	Q8IYB3	683	QPNKRH <u>S</u> SPSPRPR
31835	Q8IYB3	685	NKRH <u>SPS</u> PRPRAP
31836	Q8IYB3	725	RPIRRV <u>S</u> RTPEPK
31837	Q8IZP0	14	LEEEIP <u>S</u> GKRALI
31838	Q8IZP0	22	KRALIE <u>S</u> YQNLTR
31839	Q8IZP0	57	KAYTTQS <u>L</u> ASVAY
31840	Q8IZP0	60	TTQSL <u>AS</u> VAYQIN
31841	Q8IZP0	81	LLDIQAS <u>Q</u> LRRME
31842	Q8IZP0	94	SSINH <u>I</u> SQTVDIH
31843	Q8IZP0	119	TTNKNT <u>S</u> RTHKII
31844	Q8IZP0	183	PTQKPP <u>S</u> PPMSG
31845	Q8IZP0	187	PPSPP <u>M</u> SGRTLG
31846	Q8IZP0	216	PNDYMT <u>S</u> PARLGS
31847	Q8IZP0	222	SPARL <u>G</u> SQHSPGR
31848	Q8IZP0	225	RLGSQH <u>S</u> PGRTAS
31849	Q8IZP0	231	SPGRTAS <u>L</u> NQRPR
31850	Q8IZP0	240	QRPRTH <u>S</u> GGSGGS
31851	Q8IZP0	243	RTHSG <u>S</u> GGSGSR
31852	Q8IZP0	248	SSGGSG <u>S</u> RENSGS
31853	Q8IZP0	252	SGSRENS <u>G</u> SSSIG
31854	Q8IZP0	256	ENSG <u>SS</u> IGIPIA
31855	Q8IZP0	267	IAVPTPS <u>P</u> PTIGP

31856	Q8IZP0	277	IGPENISVPPPSG
31857	Q8IZP0	297	APLLPVSTVIAAP
31858	Q8IZP0	305	VIAAPGSAPGSQY
31859	Q8IZP0	309	PGSAPGSQYGTMT
31860	Q8IZP0	323	QISRHNSTTSSTS
31861	Q8IZP0	326	RHNSTTSSTSSGG
31862	Q8IZP0	327	HNSTTSSSTSSGGY
31863	Q8IZP0	329	STTSSTSSTGGYRR
31864	Q8IZP0	330	TTSSSTSSGGYRRT
31865	Q8IZP0	338	GYRRTPSVTAQFS
31866	Q8IZP0	344	SVTAQFSAQPHVN
31867	Q8IZP0	356	NGGPLYSQNSISI
31868	Q8IZP0	410	IIPMFDDSPPPPPP
31869	Q8IZP0	466	DKDDELSFMEGAI
31870	Q8IZS5	19	QTKQKKSKSAEFL
31871	Q8IZS5	21	KQKKS SKSAEFLMV
31872	Q8IZS5	45	NPAFNMSSPDL SA
31873	Q8IZS5	46	PAFN MSSPDLSAC
31874	Q8IZS5	50	MSSPDLSACQTAE
31875	Q8IZS5	81	KFRLPASAEPKGN
31876	Q8IZS5	112	QCATEVSREDDDR
31877	Q8IZS5	131	TKLFDES RQGE PQ
31878	Q8IZS5	140	GE PQDES GREETL
31879	Q8IZS5	148	REETLN SEAPGSS
31880	Q8IZS5	153	NSEAPGS SNKSHE
31881	Q8IZS5	154	SEAPGSS NKSHEI
31882	Q8IZS5	157	PGSSNKSHEIHKE
31883	Q8IZS5	165	EIHKEASEATTAH
31884	Q8IZS5	178	LEEFQRS QKTIIL
31885	Q8IZS5	187	TIILLGS SPLEQE
31886	Q8IZS5	188	IILLGSS SPLEQE I
31887	Q8IZS5	196	LEQEIR STSLHCM
31888	Q8IZS5	198	QEIRST SLHCMED
31889	Q8IZS5	207	CMEDEM SHPWILL
31890	Q8IZS5	222	VTAVIRS RRYYRE
31891	Q8N122	44	KIEGSKS LAQSWR
31892	Q8N122	92	CWIDPLS MGPQKA
31893	Q8N122	136	VKKLCTS LRRNAK
31894	Q8N122	197	IFVYDCS NAGLIV
31895	Q8N122	236	QMPLPPS MKNCIQ
31896	Q8N122	265	PADLFTS CLTTPI
31897	Q8N122	285	CMQKCVS LVPGVT
31898	Q8N122	504	ILAVDSS CQADLV
31899	Q8N122	590	IWQNFDS ARWCGV
31900	Q8N122	606	AHEKLYS LLSDPI
31901	Q8N122	653	MLAQLVS DGSPMV
31902	Q8N122	704	ATTEGGSL TPVRD
31903	Q8N122	734	AVATAR SLNKSLQ
31904	Q8N122	763	GNLSTSS SASSTL
31905	Q8N122	766	STSSSAS STLGP
31906	Q8N122	780	NEEHILS FETIDK
31907	Q8N122	791	DKMRRAS SYSSLN
31908	Q8N122	803	NSLIGVS FNSVYT
31909	Q8N122	806	IGVSFNS VYTQIW
31910	Q8N122	836	AMKVLNS IAYKAT
31911	Q8N122	881	GGSPPAS STSSSS
31912	Q8N122	886	ASSTSSS LTNDV
31913	Q8N122	887	SSTSSS LTNDVA

31914	Q8N122	1082	LNGQDCSLLLLTAT
31915	Q8N122	1171	ADSCVTSLSCDSH
31916	Q8N122	1173	SCVTSLSCDSHRS
31917	Q8N122	1218	AWVVKASLQKRPD
31918	Q8N122	1231	GHIVSVSVNGDVR
31919	Q8N122	1246	DPRMPESVNVLQI
31920	Q8N122	1305	QRVGAISCLAFHP
31921	Q8N122	1320	PHLAVGSNDYYIS
31922	Q8N163	19	PGGRNFSGTASTS
31923	Q8N163	43	PVATELSQNARHL
31924	Q8N163	81	EVFFQLSVVKGRL
31925	Q8N163	117	VKVQTLSNQPLLK
31926	Q8N163	165	FPQKPLSLFQTSH
31927	Q8N163	176	SHTLHLSHLNRFP
31928	Q8N163	195	RLDQGRSDDYDSK
31929	Q8N163	254	RSLLVPSDFLSVH
31930	Q8N163	262	FLSVHLSWLSAFP
31931	Q8N163	265	VHLSWLSAFPLSQ
31932	Q8N163	284	PSRIQVSSEKEAA
31933	Q8N163	302	EPITADSDPAYSS
31934	Q8N163	307	DSDPAYSSKVLLL
31935	Q8N163	308	SDPAYSSKVLLLS
31936	Q8N163	365	LVGGEWSPSLDGL
31937	Q8N163	367	GGEWSPSLDGLDP
31938	Q8N163	397	QTGIDLSGCTKWW
31939	Q8N163	478	EQAADTSRRNAET
31940	Q8N163	519	PGCVNLSSLHGIVE
31941	Q8N163	534	RPKERISFEVMVL
31942	Q8N163	611	EGPATESEAPLKE
31943	Q8N163	626	LLPKPLSSGGEEE
31944	Q8N163	627	LPKPLSSGGEEEE
31945	Q8N163	640	KPRGEASEDLCEM
31946	Q8N163	675	EDSEVRSVASNQS
31947	Q8N163	681	SVASNQSEMEFSS
31948	Q8N163	746	QAKQLVSRVVTQN
31949	Q8N163	789	LPPPGKSTKPGAA
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31951	Q8N163	824	RAEQQDGSRLYLE
31952	Q8N163	843	ELKLEESHNRFSA
31953	Q8N163	848	ESHNRFSTATEVTN
31954	Q8N163	912	VVEKADSWVEKEE
31955	Q8N1G4	9	AAAVSESWPELEL
31956	Q8N1G4	58	LHYLEVSGCGSLR
31957	Q8N1G4	62	EVSGCGSLRAPGP
31958	Q8N1G4	79	GLPQLHSLVLRRN
31959	Q8N1G4	92	ALGPGLSPELGPL
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31961	Q8N1G4	133	GLPQLQSLNLSGN
31962	Q8N1G4	137	LQSLNLSGNRLRE
31963	Q8N1G4	157	CAPRLQSLNLTGN
31964	Q8N1G4	167	TGNCLDSFPAELF
31965	Q8N1G4	182	GALPLLSELAAAD
31966	Q8N1G4	195	NCLRELSPDIAHL
31967	Q8N1G4	203	DIAHLASLKTLDL
31968	Q8N1G4	210	LKTLDLSNNQLSE
31969	Q8N1G4	215	LSNNQLSEIPAEEL
31970	Q8N1G4	247	RLEKMVSGCQTRS
31971	Q8N1G4	253	SGCQTRSILEYLR

31972	Q8N1G4	275	KGRAEGSEKEESR
31973	Q8N1G4	315	LRVLHVSENPVPL
31974	Q8N1G4	326	PLTVRVSPPEVRDV
31975	Q8N1G4	358	LKRLFITSQTKLHE
31976	Q8N1G4	431	KQKKRQSIVSGLHR
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31978	Q8N1G4	460	ADGDVISFPPITN
31979	Q8N1G4	467	FPPITNSEKTKVK
31980	Q8N1G4	477	KVKKTTSDLFLEV
31981	Q8N1G4	485	LFLEVTSATSLQI
31982	Q8N1G4	488	EVTSATSLSQICKD
31983	Q8N1G4	518	ENKEEGSLSDTEA
31984	Q8N1G4	528	TEADAVSGQLPDP
31985	Q8N1G4	546	AGKDGPSSLVVVEQ
31986	Q8N1G4	561	VVDLEGSSLKVVYP
31987	Q8N1G4	568	LKVVYPSKADLAT
31988	Q8N264	102	MTANHESYLLMAS
31989	Q8N264	119	MEDWVKSIRRVIW
31990	Q8N264	197	DCEGEKPSFDSNTD
31991	Q8N264	200	EKPSFDSNTDVHT
31992	Q8N264	233	KYEDFLSCAKLLS
31993	Q8N264	255	LAKQVKSLPVVNY
31994	Q8N264	276	FLDEVQSYSGVNK
31995	Q8N264	284	SGVNKMSSVQNLAT
31996	Q8N264	337	KDAELQSKPQDGV
31997	Q8N264	344	KPQDGVSNNNEIQ
31998	Q8N264	371	NTKDSPSRQCSWD
31999	Q8N264	375	SPSRQCSWDKSES
32000	Q8N264	379	QCSWDKSESPQRS
32001	Q8N264	381	SWDKSES PQRSSM
32002	Q8N264	385	SESPQRS SMNNNGS
32003	Q8N264	406	TNSPKNSVHKLDV
32004	Q8N264	440	TNGSFSS SNAEGL
32005	Q8N264	463	LQARRSS SLKVSG
32006	Q8N264	464	QARRSS SLKVSGT
32007	Q8N264	502	TNVRNMSWLPNGY
32008	Q8N264	549	NLDDKQSIDSATW
32009	Q8N264	558	SATWSTS SCEISL
32010	Q8N264	559	ATWSTSS CEISLP
32011	Q8N264	563	TSSCEISL PENS
32012	Q8N264	568	ISLPENS NSCRSS
32013	Q8N264	574	SNSCRSS TTTCP
32014	Q8N264	609	HPRDYES KSDHRS
32015	Q8N264	625	RSSRATSS SDNSE
32016	Q8N264	649	ALHSLVSSLKQEM
32017	Q8N264	650	LHSLVSSLKQEMT
32018	Q8N264	664	QKIEYESRIKSLE
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32021	Q8N2E6	32	AAWDLASLRCTLG
32022	Q8N2E6	90	TKPLVLS LHGW
32023	Q8N2E6	100	WTGTGKSYVSSL
32024	Q8N2E6	103	TGKSYVSSLLAHY
32025	Q8N2E6	104	GKSYVSSLLAHYL
32026	Q8N2E6	117	FQGGLRS PRVHHF
32027	Q8N2E6	124	PRVHHFSPVLHFP
32028	Q8N2E6	133	LHFPHPSHIERYK
32029	Q8N2E6	144	YKKDLKSWVQGNL

32030	Q8N2E6	156	LTACGRSLFLFDE
32031	Q8N2E6	180	LRPFLGSWVVYVG
32032	Q8N2E6	181	RPFLGSSWVVYGT
32033	Q8N2E6	214	RAPPRRSGALPPA
32034	Q8N4F0	21	LPVVGASTPGTVV
32035	Q8N4F0	35	LNKAALSYVSEIG
32036	Q8N4F0	38	AALSYVSEIGKAP
32037	Q8N4F0	126	TRVTQSSIRTPVV
32038	Q8N4F0	133	IRTPVVSISACSL
32039	Q8N4F0	135	TPVVSISACSLFS
32040	Q8N4F0	141	SACSLFSGHANEF
32041	Q8N4F0	150	ANEFDGSNSTSHA
32042	Q8N4F0	152	EFDGSNSTSHALL
32043	Q8N4F0	154	DGSNSTSHALLVL
32044	Q8N4F0	170	HIKAVLSNKLCLS
32045	Q8N4F0	176	SNKLCLSISNLVQ
32046	Q8N4F0	178	KLCLSIISNLVQGV
32047	Q8N4F0	201	NPVGPESQIRYSM
32048	Q8N4F0	206	ESQIRYSMVSVP
32049	Q8N4F0	209	IRYSMVSVPVTS
32050	Q8N4F0	215	SVPTVTSODYISLE
32051	Q8N4F0	219	VTSDYIISLEVNAV
32052	Q8N4F0	253	HVGTEGSMATVGL
32053	Q8N4F0	260	MATVGLSQQLFDS
32054	Q8N4F0	266	SQQLFDSALLLLQ
32055	Q8N4F0	287	ITGQLRSDDNLLN
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32057	Q8N4F0	348	EVLATASNSAFQS
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32061	Q8N4F0	371	RLQLSVSKVQLQG
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32063	Q8N4F0	391	VQLTVASSNVGFI
32064	Q8N4F0	392	QLTVASSNVGFID
32065	Q8N4N8	14	PESPCLSPLKPLK
32066	Q8N4N8	85	LNPALDSEAHMP
32067	Q8N4N8	96	MPPPPPLSPLALAP
32068	Q8N4N8	103	PLALAPSJAIRDQ
32069	Q8N4N8	127	QKNQTASGDSL DV
32070	Q8N4N8	130	QTASGDSLDRV
32071	Q8N4N8	137	LDVRVPSKPCLMK
32072	Q8N4N8	200	YRRHLDSSKISVL
32073	Q8N4N8	240	DIITVPSDNVVMV
32074	Q8N4N8	249	VVMVHESKQKVDL
32075	Q8N4N8	275	AFDDKASNELVYQ
32076	Q8N4N8	290	AQPLVESIFRKGM
32077	Q8N4N8	307	AYGQTGSGKYTM
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32079	Q8N4N8	325	GTAQDCSKGIYAL
32080	Q8N4N8	409	LVEIGNSCRTSRQ
32081	Q8N4N8	413	GNSCRSTSRTSRQ
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32083	Q8N4N8	425	NAHSSRSHAVFQI
32084	Q8N4N8	461	ADTTKASRKRQLE
32085	Q8N4N8	474	GAEINKSLLALKE
32086	Q8N4N8	497	HTPFRASKLTLVL
32087	Q8N4N8	512	SFIGQNSSTCMIA

32088	Q8N4N8	513	FIGQNSSTCMIAT
32089	Q8N4N8	521	CMIATISPGMTSC
32090	Q8N4N8	567	APRMLKSHIGNSE
32091	Q8N4N8	575	IGNSEMSLQRDEF
32092	Q8N4N8	589	KIPYVQSEEQKEI
32093	Q8N4N8	616	TISGKGSQWLEN
32094	Q8N4N8	641	DFCIARSLSILEQ
32095	Q8N4N8	643	CIARSLSILEQKI
32096	Q8N5C8	47	ACCRALSQESSKY
32097	Q8N5C8	83	GIHSPSSYHPGDG
32098	Q8N5C8	148	MNEQNRSAATPPS
32099	Q8N5C8	161	QPQQQPSMGTGM
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32102	Q8N5C8	226	PSNLYGSPGSIYI
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32104	Q8N5C8	302	PPSQCPSPFSSPQ
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32107	Q8N5C8	347	QKQGSHSVAYLPY
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32109	Q8N5C8	392	PISNQPSPWNQHS
32110	Q8N5C8	408	ATTPPSSSPSRGI
32111	Q8N5C8	409	TPPPSSSPSRGIS
32112	Q8N5C8	415	SPSRGISSQPKPP
32113	Q8N5C8	416	PSRGIISSQPKPPF
32114	Q8N5C8	423	QPKPPFSVNPVYI
32115	Q8N5C8	442	GPSCTPSPSPRVI
32116	Q8N5C8	444	SCTPSPSPRVI PN
32117	Q8N5C8	505	HKYQRSSSSGSDD
32118	Q8N5C8	507	YQRSSSSGSDDY
32119	Q8N5C8	545	EELRLKSEVNGME
32120	Q8N5C8	563	RRLRRVSCTTAIP
32121	Q8N5C8	579	EMTRLRSMNRLQ
32122	Q8N5C8	600	EVDLLQSRGNFDP
32123	Q8N5C8	627	VVPPKPSKKDSSD
32124	Q8N5C8	631	KPSKKDSSDPCTI
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32126	Q8N5C8	645	RKARRISVTSKVQ
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32128	Q8N5Z0	17	SAARNPSPIRTMT
32129	Q8N5Z0	27	TMTDILSRGPKSM
32130	Q8N5Z0	32	LSRGPKSMISLAG
32131	Q8N5Z0	35	GPKSMISLAGGLP
32132	Q8N5Z0	75	KRALQYSAGIP
32133	Q8N5Z0	77	ALQYSPSAGIPEL
32134	Q8N5Z0	105	TIHYPPSQGQMDL
32135	Q8N5Z0	115	MDLCVTSGSQQGL
32136	Q8N5Z0	117	LCVTSGSQQGLCK
32137	Q8N5Z0	143	LDEPAYSGTLQSL
32138	Q8N5Z0	148	YSGTLQSLHPLGC
32139	Q8N5Z0	161	NIINVASDESGIV
32140	Q8N5Z0	164	NVASDESIVPDS
32141	Q8N5Z0	170	SGIVPDSSLRDILS
32142	Q8N5Z0	176	SLRDILSRWKPED
32143	Q8N5Z0	207	NNPTGNSLTSERK
32144	Q8N5Z0	210	TGNSLTSERKKEI
32145	Q8N5Z0	248	RVPTFLSMDVDGR

32146	Q8N5Z0	260	RVIRADSFSKIIS
32147	Q8N5Z0	262	IRADSF S KIISSG
32148	Q8N5Z0	266	SFSKI I S GLRIG
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32150	Q8N5Z0	296	VSTLHP S TFNQLM
32151	Q8N5Z0	304	FNQLM I S QLLHEW
32152	Q8N5Z0	327	RVIDFY S NQKDAI
32153	Q8N5Z0	391	NAFYVD S SAPSPY
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32155	Q8N5Z0	395	VDSSAP S PYLRAS
32156	Q8N5Z0	401	SPYLRA S FSSASP
32157	Q8N5Z0	403	YLRAF S SASPEQ
32158	Q8N5Z0	404	LRASF S SASPEQM
32159	Q8N5Z0	406	ASFSSAS S PEQMDV
32160	Q8NB16	52	QDQGKR S VPSEKL
32161	Q8NB16	55	GKRSVP S EKLTTA
32162	Q8NB16	80	GEIEKF S NRSNIC
32163	Q8NB16	83	EKF S NRSNICRFL
32164	Q8NB16	92	CRFLT A SQDKILF
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32166	Q8NB16	113	DVWKEL S LLLQVE
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32168	Q8NB16	132	PISQGAS W AQEDQ
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32170	Q8NB16	202	IKKEQL S GSPWIL
32171	Q8NB16	204	KEQLSG S PWILLR
32172	Q8NB16	215	LRENEVS T LYKGE
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32174	Q8NB16	259	TMKKF E SPNILRI
32175	Q8NB16	280	VTPPQ F SIVMEYC
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32179	Q8NB16	373	KTDRV K S TAYLSP
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32188	Q8NBJ4	13	GRRSMK S PPLVLA
32189	Q8NBJ4	36	FNYWIAS S SRSVDL
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32206	Q8NBP7	9	TVSSRRSWWPLPL
32207	Q8NBP7	89	KEETHLSQSERTA
32208	Q8NBP7	91	ETHLSQSERTARR
32209	Q8NBP7	127	GFLVKMGSIDLLEL
32210	Q8NBP7	148	YIEEDSSVFAQSI
32211	Q8NBP7	153	SSVFAQSIPWNLE
32212	Q8NBP7	188	VYLLDTSIQSDHR
32213	Q8NBP7	191	LDTSIQS DHREIE
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32215	Q8NBP7	246	GVAKGASMRSLRV
32216	Q8NBP7	249	KGASMRS LRVLNC
32217	Q8NBP7	262	QGKGTVGTLIGL
32218	Q8NBP7	274	LEFIRKS QLVQPV
32219	Q8NBP7	372	EDIIGAS SDCSTC
32220	Q8NBP7	373	DIIGASS DCSTCF
32221	Q8NBP7	383	TCFVSQSGTSQAA
32222	Q8NBP7	447	VAALPPSTHGAGW
32223	Q8NBP7	462	FCRTVWSAHSGPT
32224	Q8NBP7	465	TVWSAHS GPTRMA
32225	Q8NBP7	485	PDEELLS CSSFSR
32226	Q8NBP7	487	EELLSCS FSRSRG
32227	Q8NBP7	490	LSCSSF SRSGKRR
32228	Q8NBP7	492	CSSFSRS GKRGE
32229	Q8NBP7	563	HVLTGCSSHWEVE
32230	Q8NBP7	564	VLTGCSSHWEVED
32231	Q8NBP7	599	EASIHAS CCHAPG
32232	Q8NBP7	636	WTLTGCS ALPGTS
32233	Q8NBP7	658	NTCVVRS RDVSTT
32234	Q8NBP7	662	VRSRDVSTTGSTS
32235	Q8NBP7	666	DVSTTGSTSEGAV
32236	Q8NBP7	668	STTGSTSEGAVTA
32237	Q8NBX0	16	LVVFGAS GFTGQF
32238	Q8NBX0	37	QVDPERS SRLPWA
32239	Q8NBX0	38	VDPERS SRLPWA
32240	Q8NBX0	48	WAVAGRS REKLQR
32241	Q8NBX0	69	LGRPTLS SEVGII
32242	Q8NBX0	70	GRPTLS SEVGIII
32243	Q8NBX0	84	DIANPAS LDEMAK
32244	Q8NBX0	119	CIENGAS CIDISG
32245	Q8NBX0	124	ASCIDIS GEPQFL
32246	Q8NBX0	151	GYIIGSS GFDSI
32247	Q8NBX0	152	VYIIGSS GFDSIP
32248	Q8NBX0	156	GSSGFDS IPADLG
32249	Q8NBX0	179	TLTAVES FLTIHS
32250	Q8NBX0	185	SFLTIHS GPEGLS
32251	Q8NBX0	191	SGPEGLS IHGTW
32252	Q8NBX0	199	HDGTWKSAIYGF
32253	Q8NBX0	208	YFGDQSNLRKLR
32254	Q8NBX0	217	RKLRNVSNLKPVP
32255	Q8NBX0	236	KRRWPIS YCRELK
32256	Q8NBX0	245	RELKGYS IPFMGS
32257	Q8NBX0	251	SIPFMGS DVSVVR
32258	Q8NBX0	254	FMGSDVS VVRRTQ
32259	Q8NBX0	270	YENLEES PVQYAA
32260	Q8NBX0	285	TVGGITS VIKLMF
32261	Q8NBX0	317	KFPWFFS FGYFSK

32262	Q8NBX0	322	FSFGYF S KQGPTQ
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32264	Q8NBX0	346	FFGQGY S QGTGTD
32265	Q8NBX0	387	AAMTLL S DASHLP
32266	Q8NBX0	390	TLLSDASHLPKAG
32267	Q8NBX0	406	TPGAAF S TKLID
32268	Q8NCD3	93	ADRTDG S VQAAW
32269	Q8NCD3	114	TVLGAD S KSGEVD
32270	Q8NCD3	182	RVTPLP S LASPAN
32271	Q8NCD3	198	GYCSRISRKSPGD
32272	Q8NCD3	221	WDPLHPSSTDMAL
32273	Q8NCD3	222	DPLHP S STDMALV
32274	Q8NCD3	240	LSLQET S SSSFLS
32275	Q8NCD3	246	SSSF L SQPFED
32276	Q8NCD3	247	SSSFL S QPFEDE
32277	Q8NCD3	280	LLSTKP S SIISTK
32278	Q8NCD3	281	LSTKP S SIISTKT
32279	Q8NCD3	295	IMQNWN S RRRHRY
32280	Q8NCD3	328	ENFIPC S EPVKGT
32281	Q8NCD3	347	KNVLDV S CRKTGL
32282	Q8NCD3	382	ERKVTP S KYSSLI
32283	Q8NCD3	393	LIYFDSSATYNLD
32284	Q8NCD3	490	RLSLP S KAKAKS
32285	Q8NCD3	496	SKAKAK S LSEAFE
32286	Q8NCD3	498	AKAKSLSEAFENL
32287	Q8NCD3	508	ENLGKRSLEAGRC
32288	Q8NCD3	520	CLPKSD S SSSLPK
32289	Q8NCD3	522	PKSDSSS L PKTN
32290	Q8NCD3	532	KTNPTH S ATRPQQ
32291	Q8NCD3	548	LHVQGN S SGIFRK
32292	Q8NCD3	555	SGIFRK S VSPSKT
32293	Q8NCD3	559	RKSVSP S KTLSVP
32294	Q8NCD3	608	PLCIGV S TDKASM
32295	Q8NCD3	641	GFQKLP S SPLGCR
32296	Q8NCD3	660	TAIEAPSSTCVAR
32297	Q8NCD3	691	LSEPQGSGRQGNS
32298	Q8NCD3	717	GDQGSSSQPNSEE
32299	Q8ND76	10	TTSCCV S SSPKLR
32300	Q8ND76	11	TSCCV S SPKLRR
32301	Q8ND76	12	SCCVSSSPKLRRN
32302	Q8ND76	21	LRRNAHSRLESYR
32303	Q8ND76	45	CNLQH I S DRENID
32304	Q8ND76	60	NMEFNPSDHPRAS
32305	Q8ND76	66	SDHPRAS T IFLSK
32306	Q8ND76	109	TIFLDD S TVSQPN
32307	Q8ND76	112	LDDSTV S QPNLK
32308	Q8ND76	153	ENLHPL S KSEVPP
32309	Q8ND76	155	LHPLSK S EVPPDY
32310	Q8ND76	180	FVRTLF S AAQLTA
32311	Q8ND76	224	GAILLASKVWDDQ
32312	Q8ND76	268	FNINVPS S VYAKY
32313	Q8ND76	269	NINVPS S VYAKYY
32314	Q8ND76	280	YYFDLRS L AEANN
32315	Q8ND76	306	HKLEAI S RLCEDK
32316	Q8ND76	319	YKDLRR S ARKRSA
32317	Q8NDC0	15	DALPEH S PAKTS
32318	Q8NDC0	20	HSPAKT S AVSNTK
32319	Q8NDC0	23	AKTSAV S NTKPGQ

32320	Q8NDC0	37	PQGWPGSNPWNNP
32321	Q8NDC0	44	NPWNNPSAPSSVP
32322	Q8NDC0	47	NNPSAPSVPGL
32323	Q8NDC0	48	NPSAPSSVPSGLP
32324	Q8NDC0	51	APSSVPSGLPPSA
32325	Q8NDC0	56	PSGLPPSATPSTV
32326	Q8NDC0	60	PPSATPSTVPFGP
32327	Q8NDC0	74	PTGMYPSVPPTGP
32328	Q8NDC0	91	PAPFPPSGPSCPP
32329	Q8NDC0	94	FPPSGPSCPPPAG
32330	Q8NDC0	147	PLGPWGSMSSGPW
32331	Q8NDC0	149	GPWGSMSSGPWAP
32332	Q8NDC0	150	PWGSMSGPWAPG
32333	Q8NDC0	170	PNMPYPSPGPYPA
32334	Q8NDC0	211	YPAPTGSYPTPGL
32335	Q8NDC0	222	GLYPTPSNPQVP
32336	Q8NDC0	229	NPFQVPSGPSGAP
32337	Q8NDC0	232	QVPSGPSGAPPMP
32338	Q8NE71	20	WIGDGETSPSDK
32339	Q8NE71	183	KGKEEKSKGKAKP
32340	Q8NE71	244	EEEGGESKADDPY
32341	Q8NE71	254	DPYAHLSKKEKKK
32342	Q8NE71	273	YERQVASLKAANA
32343	Q8NE71	285	AAENDFSVSQAEM
32344	Q8NE71	287	ENDFSVSQAEMSS
32345	Q8NE71	292	VSQAEMS SRQAML
32346	Q8NE71	293	SQAEMSSRQAMLE
32347	Q8NE71	302	AMLENASDIKLEK
32348	Q8NE71	310	IKLEKFSISAHGK
32349	Q8NE71	312	LEKFSISAHGKEL
32350	Q8NE71	355	IANRALSIIPPNID
32351	Q8NE71	453	RPTQKFSGGWRMR
32352	Q8NE71	461	GWRMRVSLARALF
32353	Q8NE71	505	KTLLIVSHDQGFL
32354	Q8NE71	567	LKAGGKS TKQAEK
32355	Q8NE71	621	PDPPPLSPPVLGL
32356	Q8NE71	652	FGIDMDSRICIVG
32357	Q8NE71	665	PNGVGKSTLLLLL
32358	Q8NE71	733	GRFGLES SHAHTIQ
32359	Q8NE71	744	IQICKLGGQKAR
32360	Q8NE71	777	NNLDIES IDALGE
32361	Q8NE71	796	GAVIVVSHDARLI
32362	Q8NE71	816	WVVEEQSVSQIDG
32363	Q8NE71	818	VEEQSVSQIDGDF
32364	Q8NFW8	11	EKGAAATS VSNPRG
32365	Q8NFW8	13	GAATSVSNPRGRP
32366	Q8NFW8	20	NPRGRPSRGRPPK
32367	Q8NFW8	31	PKLQRNSRGGQGR
32368	Q8NFW8	55	ILARGGSKGIPLK
32369	Q8NFW8	82	LRAALDSGAFQSV
32370	Q8NFW8	87	DSGAFQSVWVSTD
32371	Q8NFW8	91	FQSVWVSTDHDEI
32372	Q8NFW8	112	AQVHRRSEVSKD
32373	Q8NFW8	113	QVHRRS SEVSKDS
32374	Q8NFW8	116	RRSSEVSKDSSTS
32375	Q8NFW8	119	SEVSKDS STSLDA
32376	Q8NFW8	120	EVSKDS STSLDAI
32377	Q8NFW8	122	SKDSSTSLDAIE

32378	Q8NFW8	146	GNIQATS PCLHPT
32379	Q8NFW8	168	REEGYDS VFSVVR
32380	Q8NFW8	171	GYDSVFS VVRRHQ
32381	Q8NFW8	181	RHQFRWSE I QKGV
32382	Q8NFW8	216	ELYENG SFYFAKR
32383	Q8NFW8	245	EMRAEH SVDIDDVD
32384	Q8NFW8	294	NGHIYVS GDQKEI
32385	Q8NFW8	302	DQKEII SYDVKDA
32386	Q8NFW8	312	KDAIGIS LLKKSG
32387	Q8NFW8	317	ISLLKKSGIEVRL
32388	Q8NFW8	325	IEVRLI SERACSK
32389	Q8NFW8	330	I SERAC SKQTLS
32390	Q8NFW8	335	CSKQTLS SLKLDC
32391	Q8NFW8	336	SKQTLS LKLDCK
32392	Q8NFW8	346	DCKMEV SVSDKLA
32393	Q8NFW8	348	KMEVSVS DKLAVV
32394	Q8NFW8	376	YLGNEVS DEECLK
32395	Q8NFW8	387	LKRVGLS GAPADA
32396	Q8NFW8	395	APADAC STAQKAV
32397	Q8NG66	12	EAAKCVS GSTAIS
32398	Q8NG66	14	AKCVSG STAIKY
32399	Q8NG66	18	SGSTAIS TYPKTL
32400	Q8NG66	39	QKLGSGS FGTVYL
32401	Q8NG66	84	LEAQQLS KLDHPA
32402	Q8NG66	97	IVKFHAS FVEQDN
32403	Q8NG66	161	LHRDLKS KNVFLK
32404	Q8NG66	179	IGDFGV S RLLMGS
32405	Q8NG66	185	SRLLMGSCDLATT
32406	Q8NG66	200	GTPHYMS PEALKH
32407	Q8NG66	213	QGYDTKS DIWSLA
32408	Q8NG66	217	TKSDIWS LACILY
32409	Q8NG66	235	NHAFAGS NFLSIV
32410	Q8NG66	239	AGSNFLS IVLKIV
32411	Q8NG66	266	LNAIMES MLNKNP
32412	Q8NG66	277	NPSLRP SAIEILK
32413	Q8NG66	299	NLMCRY SEMTLED
32414	Q8NG66	334	QTLRAL S EVQKMT
32415	Q8NG66	380	RMQELRS RNFQQL
32416	Q8NG66	387	RNFQQLS VDVLHE
32417	Q8NG66	414	EGRLSCS PQDEDE
32418	Q8NG66	430	QGREEE S DEPTLE
32419	Q8NG66	441	LENLPES QPIPSM
32420	Q8NG66	454	DLHELES IVEDAT
32421	Q8NG66	485	YADAFDS YCEESD
32422	Q8NG66	511	EIRNEGS QPAYRT
32423	Q8NG66	522	RTNQQDS DIEALA
32424	Q8NG66	539	NVLGCTS LDTKTI
32425	Q8NG66	553	TMAEDMS PGPPIF
32426	Q8NG66	574	MKRMRES AMQKLG
32427	Q8NG66	616	KVVPQAS DCFEVD
32428	Q8NHV4	20	IKIWDAS SMTLVD
32429	Q8NHV4	21	KIWDASS MTLVDK
32430	Q8NHV4	54	FLVTASS SGDKIV
32431	Q8NHV4	87	TCVNLN S TS MYLV
32432	Q8NHV4	94	TSMYLV S GGLNNT
32433	Q8NHV4	108	NIWDLKS KRVHRS
32434	Q8NHV4	147	GEIILHS VTTNLS
32435	Q8NHV4	164	GHGSNQ SVRHLKY

32436	Q8NHV4	180	KKSLLGSVSDNGI
32437	Q8NHV4	194	TLWDVNSQSPYHN
32438	Q8NHV4	196	WDVNSQSPYHNFD
32439	Q8NHV4	215	ASGICFSPVNELL
32440	Q8NHV4	238	ILYDTSSKKLVKT
32441	Q8NHV4	268	TLAIGSSRGKIYQ
32442	Q8NHV4	282	DLRMLKSPVKTIS
32443	Q8NHV4	288	SPVKTI SAHKTSV
32444	Q8NHV4	302	CIAFQYS TVLTKS
32445	Q8NHV4	308	STVLTKS SLNKGC
32446	Q8NHV4	309	TVLTKS SLNKGCS
32447	Q8NHV4	315	SLNKGC SNKPTTV
32448	Q8NHV4	348	REAPATS IATVLP
32449	Q8NHV4	377	KAGLPRS INTDTL
32450	Q8NHV4	396	GKNQDFSS FDDTG
32451	Q8NHV4	404	FDDTGKSSLGD MF
32452	Q8NHV4	455	PVTSSTS VLHSSP
32453	Q8NHV4	518	NLNTSPSS NQTRN
32454	Q8NHV4	519	LNTSPSS NQTRNS
32455	Q8NHV4	566	TAGVASS LSEKIA
32456	Q8NHV4	568	GVASSL SEKIADS
32457	Q8NHV4	574	SEKIADS IGN NRQ
32458	Q8NHV4	631	QLNEMHS LLERYS
32459	Q8NHW3	13	MGAELPS SPLAIE
32460	Q8NHW3	51	LPPGSLSS TPLST
32461	Q8NHW3	52	PPGSLSS TPLSTP
32462	Q8NHW3	56	LSSTPLS TPCSSV
32463	Q8NHW3	60	PLSTPCSS VPSSP
32464	Q8NHW3	64	PCSSVPSS SFCA
32465	Q8NHW3	67	SVPSSPS FCAPSP
32466	Q8NHW3	72	PSFCAPS PGTGGG
32467	Q8NHW3	87	AGGGGGSS SQAGGA
32468	Q8NHW3	88	GGGGGSS SQAGGA
32469	Q8NHW3	98	GAPGPPS GGP GAV
32470	Q8NHW3	108	GAVGGTSG KPALE
32471	Q8NHW3	120	EDLYWMS GYQHHL
32472	Q8NHW3	145	VEALIGS GHGAH
32473	Q8NHW3	228	RLEERFS DDQLVS
32474	Q8NHW3	234	SDDQLVSM SVREL
32475	Q8NHW3	236	DQLVSMS VRELNR
32476	Q8NHW3	248	RQLRGFS KEEVIR
32477	Q8NHW3	270	NRGYAQSCRFKRV
32478	Q8NHW3	284	QRHILESEKCQLQ
32479	Q8NHW3	291	EKCQLQS QVEQLK
32480	Q8NHW3	325	GRGGPGS AGGAGF
32481	Q8NHW3	336	GFPREPS PPQAGP
32482	Q8TAE6	8	SVATGS SETAGGA
32483	Q8TAE6	15	ETAGGAS GGGARV
32484	Q8TAE6	25	ARVFFQSPRGGAG
32485	Q8TAE6	33	RGGAGGSPG SSSG
32486	Q8TAE6	36	AGGSPGSS SGSGS
32487	Q8TAE6	37	GGSPGSS SGSGSS
32488	Q8TAE6	38	GSPGSS SGSGSS
32489	Q8TAE6	40	PGSSSGS GSSRED
32490	Q8TAE6	42	SSSGSGS SREDSA
32491	Q8TAE6	43	SSGSGSS REDSAP
32492	Q8TAE6	47	GSSREDSAPVATA
32493	Q8TAE6	121	DLLDADS DEERAS

32494	Q8TAE6	127	SDEERA <u>S</u> KLQEAL
32495	Q8TAE6	149	FIKELL <u>S</u> RIRGMR
32496	Q8TAP9	23	GGGGW <u>G</u> S <u>G</u> SSFRG
32497	Q8TAP9	25	GGWGSG <u>S</u> FRGTP
32498	Q8TAP9	26	GWGSG <u>S</u> FRGTPG
32499	Q8TAP9	40	GGPRPP <u>S</u> PRDGYG
32500	Q8TAP9	58	PPYGPR <u>S</u> RPYGSS
32501	Q8TAP9	63	RSRPY <u>G</u> S <u>H</u> SPRH
32502	Q8TAP9	64	SRPYG <u>S</u> HS <u>P</u> RHG
32503	Q8TAP9	66	PYGSSH <u>S</u> PRHGGS
32504	Q8TAP9	89	PGGYP <u>G</u> SYSRSPA
32505	Q8TAP9	91	GYPG <u>S</u> Y <u>R</u> SPAGS
32506	Q8TAP9	97	SRSPAGSQQQFGY
32507	Q8TAP9	115	QTHPQ <u>G</u> S PRTSTP
32508	Q8TAP9	119	QGS <u>P</u> RT <u>S</u> TPFGSG
32509	Q8TAP9	143	ENYFKP <u>S</u> MLEDPW
32510	Q8TAP9	156	AGLEPV <u>S</u> VVDISQ
32511	Q8TAP9	161	VSVVDISQQYSNT
32512	Q8TAP9	165	DISQQYSNTQTFT
32513	Q8TB45	9	EGGSTG <u>S</u> AGSDSS
32514	Q8TB45	12	STGSAG <u>S</u> DSSTSG
32515	Q8TB45	14	GSAGSD <u>S</u> STSGSG
32516	Q8TB45	15	SAGSD <u>S</u> STGSGG
32517	Q8TB45	17	GSDSST <u>S</u> GSGGAQ
32518	Q8TB45	19	DSSTS <u>S</u> GGAAQQR
32519	Q8TB45	80	IEHKE <u>A</u> S DRETAI
32520	Q8TB45	145	LYEKLM <u>S</u> PENTLL
32521	Q8TB45	168	ERTFM <u>A</u> SEFLDWL
32522	Q8TB45	203	GIIQHVS <u>N</u> KHPFV
32523	Q8TB45	211	KHPFV <u>D</u> SNLLYQF
32524	Q8TB45	235	ELLNEK <u>S</u> PSSQET
32525	Q8TB45	237	LNEKSP <u>S</u> SQETHD
32526	Q8TB45	238	NEKSP <u>S</u> SQETHDS
32527	Q8TB45	252	FCLRK <u>Q</u> S HDNRKS
32528	Q8TB45	260	DNRKST <u>S</u> FMSVSP
32529	Q8TB45	267	FMSVSP <u>S</u> KEIKIV
32530	Q8TB45	274	KEIKIV <u>S</u> AVRRSS
32531	Q8TB45	279	VSAVRR <u>S</u> SMSSCG
32532	Q8TB45	280	SAVRR <u>S</u> SMSSCGS
32533	Q8TB45	286	SMSSCG <u>S</u> SGYFSS
32534	Q8TB45	291	GSSGYF <u>S</u> SSPTLS
32535	Q8TB45	292	SSGYF <u>S</u> SSPTLSS
32536	Q8TB45	308	VLCNP <u>K</u> SVLKRPV
32537	Q8TB45	316	LKRPVT <u>S</u> EEELLTP
32538	Q8TB45	347	GFVVVRG <u>S</u> KPCHIQ
32539	Q8TB45	358	IQAVD <u>P</u> SGPAAA
32540	Q8TB45	374	VCQFVV <u>S</u> VNGLNV
32541	Q8TB45	389	VDYRTV <u>S</u> NLILTG
32542	Q8TCT0	12	AAEPLQ <u>S</u> VLWVKQ
32543	Q8TCT0	24	QQRCAV <u>S</u> LEPARA
32544	Q8TCT0	37	LLRWWR <u>S</u> PGPGAG
32545	Q8TCT0	51	PGADAC <u>S</u> VPVSEI
32546	Q8TCT0	55	ACSV <u>P</u> V <u>E</u> II AVE
32547	Q8TCT0	128	MLEKL <u>T</u> SRPKHLL
32548	Q8TCT0	162	PLFTLASITTDII
32549	Q8TCT0	214	IGRTQ <u>R</u> SAGVDQN
32550	Q8TCT0	229	RAVLV <u>P</u> SSLRIGI
32551	Q8TCT0	230	AVLV <u>P</u> SSLRIGII

32552	Q8TCT0	247	TDCVCY\$TVGTSD
32553	Q8TCT0	252	YSTVGT\$DAETSA
32554	Q8TCT0	257	TSDAETSALHIVV
32555	Q8TCT0	266	HIVVGDSLAMDVS
32556	Q8TCT0	272	SLAMDVS SVHHNS
32557	Q8TCT0	284	STLLRYSVSLLGY
32558	Q8TCT0	286	LLRYSVSLLGYGF
32559	Q8TCT0	300	GDIKDSEKKRWL
32560	Q8TCT0	321	GLKTFLSHHCYEG
32561	Q8TCT0	330	CYEGTV\$FLPAQH
32562	Q8TCT0	357	CFVCRQS KQQLEE
32563	Q8TCT0	397	INATNMS CACRRS
32564	Q8TCT0	418	HLGDGSS DLILIR
32565	Q8TCT0	427	ILIRKCS RFNFLR
32566	Q8TCT0	462	KKFQFT\$KHMEDE
32567	Q8TCT0	470	HMEDEDS DLKEGG
32568	Q8TCT0	485	RFGHIC\$ SHPSCC
32569	Q8TCT0	486	FGHICSS HPSCCC
32570	Q8TCT0	489	ICSSHPS CCCTVS
32571	Q8TCT0	498	CTVSNS\$WNCDGE
32572	Q8TCT0	508	DGEVLHS PAIEVR
32573	Q8TD08	75	DHPNIIS LLDVIR
32574	Q8TD08	116	QDVHVRS I FYQLL
32575	Q8TD08	130	ATRFLHS GHVVHR
32576	Q8TD08	141	HRDQKPS NVLLDA
32577	Q8TD08	161	DFGLARS LGDLPE
32578	Q8TD08	191	APEVLLS SHRYTL
32579	Q8TD08	192	PEVLLSS HRYTLG
32580	Q8TD08	203	LGVDMWS LGCILG
32581	Q8TD08	222	PLFPGT\$ TLHQLE
32582	Q8TD08	238	ETIPPP\$ SEEDLLA
32583	Q8TD08	247	DLLALGS GCRASV
32584	Q8TD08	252	GSGCRA SVLHQLG
32585	Q8TD08	259	VLHQLGS RPRQTL
32586	Q8TD08	274	LLPPDTS PEALDL
32587	Q8TD08	294	APDKRLS ATQALQ
32588	Q8TD08	311	QRFHCPS DEWARE
32589	Q8TD08	331	HEGVQLS VPEYRS
32590	Q8TD08	337	SVPEYRS RVYQMI
32591	Q8TD08	349	I LECGG\$ SGT SRE
32592	Q8TD08	353	GGSSGT\$ REKGPE
32593	Q8TD08	362	KGPEGV\$ PSQAHL
32594	Q8TD08	364	PEGVSP\$ QAHLHK
32595	Q8TD08	392	PRPRPQ\$ SPGHDP
32596	Q8TD08	403	DPAEHES PRAAKN
32597	Q8TD08	415	NVPRQNS AP LLQT
32598	Q8TD08	442	APPLTLS LVKPSG
32599	Q8TD08	447	LSLVKPS GRGAAP
32600	Q8TD08	454	GRGAAP\$ LTSQAA
32601	Q8TD08	457	AAPS LTSQAAAQV
32602	Q8TD08	503	PGRRMF\$ TSALQG
32603	Q8TD08	505	RRMFST\$ SALQGAQ
32604	Q8TD08	522	ALLGGY\$ QAY GTV
32605	Q8TD08	531	YGTVC HS ALGHL P
32606	Q8TD30	18	CGPRTPS SWGRSQ
32607	Q8TD30	19	GPRTPSS WGRSQS
32608	Q8TD30	23	PSSWGRS QSSAAA
32609	Q8TD30	25	SWGRS QS SAAEA

32610	Q8TD30	26	WGRSQSSAAAEAS
32611	Q8TD30	32	SAAAEASAVLKVR
32612	Q8TD30	42	KVRPERSRERIL
32613	Q8TD30	52	RILTLESMNPKVK
32614	Q8TD30	124	YPNLLDSPSFPED
32615	Q8TD30	126	NLLDSPSFPEDAK
32616	Q8TD30	146	QACGGNSLGSYSA
32617	Q8TD30	149	GGNSLGSYSASQG
32618	Q8TD30	151	NSLGSYSASQGVN
32619	Q8TD30	153	LGSYSASQGVNCI
32620	Q8TD30	188	YLTTGASDGISTI
32621	Q8TD30	192	GASDGISTILKIL
32622	Q8TD30	205	VSGGGKSRTGVM
32623	Q8TD30	220	PQYPLYSAVISEL
32624	Q8TD30	224	LYSAVISELDAIQ
32625	Q8TD30	278	PTGQVQSORKCIED
32626	Q8TD30	308	YQDNVYSPDCRFH
32627	Q8TD30	315	PDCRFHSFKVLY
32628	Q8TD30	328	EMGPEYSNVELA
32629	Q8TD30	329	MGPEYSSNVELAS
32630	Q8TD30	335	SNVELASFHSTSK
32631	Q8TD30	338	ELASFHSTSkgym
32632	Q8TD30	340	ASFHSTSkgymge
32633	Q8TD30	372	QLVKLLSVRLCPP
32634	Q8TD30	380	RLCPPVSQQAAMD
32635	Q8TD30	398	PVAGEESFEQFSR
32636	Q8TD30	403	ESFEQFSREKESV
32637	Q8TD30	408	FSREKESVLGNLA
32638	Q8TD30	482	ICVVPGSGFGQRE
32639	Q8TDC3	71	VNREKLSESVLMK
32640	Q8TDC3	73	REKLSESVLMKVE
32641	Q8TDC3	193	LETSCGSPHYACP
32642	Q8TDC3	275	EPEKRLSLEQIQK
32643	Q8TDC3	384	PRKRVDSPMLSRH
32644	Q8TDC3	388	VDSPMLSRHGKRR
32645	Q8TDC3	399	RRPERKSMEVLSI
32646	Q8TDC3	413	DAGGGGSPPTRR
32647	Q8TDC3	430	AQHSQRSSRVSGA
32648	Q8TDC3	432	HSQRSSRSVSGAST
32649	Q8TDC3	434	QRSRSVSGASTGL
32650	Q8TDC3	437	RSVSGASTGLSSS
32651	Q8TDC3	441	GASTGLSSSPLSS
32652	Q8TDC3	443	STGLSSSPLSSPR
32653	Q8TDC3	450	PLSSPRSPPVFSFS
32654	Q8TDC3	480	KTQTLPSRGPRGG
32655	Q8TDC3	496	EQPPPPSARSTPL
32656	Q8TDC3	512	PGSPRSSGGTPLH
32657	Q8TDC3	527	LHTPRASPTGTPG
32658	Q8TDC3	587	SLTPESSPELAKR
32659	Q8TDC3	635	LSIPSLSHSVLSQ
32660	Q8TDC3	643	SVLSQTSSFRAEYK
32661	Q8TDC3	651	RAEYKASGGPSVF
32662	Q8TDC3	655	KASGGPSVFQKPV
32663	Q8TDC3	669	FQVDISSLSEGPEP
32664	Q8TDC3	670	QVDISSLSEGPEPS
32665	Q8TDC3	676	SEGPEPSPRRDGS
32666	Q8TDC3	682	SPRRDGSGGGGIY
32667	Q8TDC3	689	GGGGIYSSVTFTLI

32668	Q8TDC3	721	STHDQPSVQALAD
32669	Q8TDC3	758	DPELSSSPRRGPP
32670	Q8TEP8	16	FGYFIRSPEKREP
32671	Q8TEP8	61	QSQAQLSEGSITL
32672	Q8TEP8	120	DSMLRISTIASAI
32673	Q8TEP8	124	RISTIASAIAEAS
32674	Q8TEP8	177	PNDLEKSNGSNAL
32675	Q8TEP8	180	LEKSNGSNALDME
32676	Q8TEP8	195	LKKTEVSRYESAL
32677	Q8TEP8	268	FRTINSSNSVTNR
32678	Q8TEP8	303	NDEKATSISTPSD
32679	Q8TEP8	350	VSEISNSEKHVTF
32680	Q8TEP8	381	EHGGRGSEDEQES
32681	Q8TEP8	393	SFRPSTSPLSHSS
32682	Q8TEP8	418	ALESFGSAAQQQQ
32683	Q8TEP8	509	RGKGTLSSIIONN
32684	Q8TEP8	588	QVGSATSHPVSCQ
32685	Q8TEP8	661	LTQPSLSAAPFAQ
32686	Q8TEP8	755	KPFPVPSVGTNCG
32687	Q8TEP8	771	WDSGVTSGLGSVR
32688	Q8TEP8	827	GEKVDSLTYRCLV
32689	Q8TEP8	856	VLFIPSSPGVFRC
32690	Q8TEP8	865	VFRCTFSVASWPC
32691	Q8TEP8	868	CTFSVASWPCSTD
32692	Q8TEP8	1009	SPKKQISSSDILD
32693	Q8TEP8	1030	VDIEVDSPNPTPV
32694	Q8TEP8	1069	LAKVASSRKQHLP
32695	Q8TEP8	1095	KVPEQGSHFSVDP
32696	Q8TEP8	1159	SGSKPLSPGPCLD
32697	Q8TEP8	1473	FRDCISSLREFLQP
32698	Q8TEP8	1484	QPSSKASLESTSD
32699	Q8TEP8	1530	PLDQLASEEPWTV
32700	Q8TEP8	1591	GCVAPESKLQILV
32701	Q8TEP8	1755	HGIQKVSITFLPR
32702	Q8TEP8	1871	VNLRNNSFITHSL
32703	Q8TEW0	94	GDGTSASSSTGTQS
32704	Q8TEW0	95	DGTSASSSTGTQSP
32705	Q8TEW0	100	SSTGTQSPEIFGS
32706	Q8TEW0	114	LGTNNVSAFQPYQ
32707	Q8TEW0	123	QPYQATSEIEVTP
32708	Q8TEW0	152	PALIGLSTSVDSDS
32709	Q8TEW0	201	KDENYRSLPRDTS
32710	Q8TEW0	210	RDTSNWSNQFQRD
32711	Q8TEW0	248	GTEEDNSRVEPVG
32712	Q8TEW0	380	KNNYYSSRFSPDS
32713	Q8TEW0	428	PHSAHPSGKPPSA
32714	Q8TEW0	596	EVPLNDSGSAGLG
32715	Q8TEW0	598	PLNDSGSAGLGVS
32716	Q8TEW0	623	LGIFVKSIINGGA
32717	Q8TEW0	665	METLRRSMSTEHN
32718	Q8TEW0	748	SGKYQLSPTVNMP
32719	Q8TEW0	781	DQSSSSSHDDVGF
32720	Q8TEW0	801	WAKAAISDSADCS
32721	Q8TEW0	881	SRDVGPSLGLKKS
32722	Q8TEW0	892	KSSSLESLOTAVA
32723	Q8TEW0	932	RAAIDKSYDKPAV
32724	Q8TEW0	955	EEDTEESSRSGRE
32725	Q8TEW0	1046	KIKIQESFTSEE

32726	Q8TEW0	1103	MYGGVSSYEGSMA
32727	Q8TEW0	1107	VSSYEGSMALNAR
32728	Q8TEW0	1146	PVDSNRSTPSNHD
32729	Q8TEW0	1149	SNRSTPSNHDRIQ
32730	Q8TEW0	1214	QEERESSQQAQRQ
32731	Q8TEW0	1222	QAQRQYSLPRQS
32732	Q8TEW0	1304	MKKQPPSEGPSNY
32733	Q8TEW0	1335	RQDVPPSPSQVAR
32734	Q8TEX9	47	LCDLLASAADPQI
32735	Q8TEX9	82	QRESLKSLILTAL
32736	Q8TEX9	99	EHCVSLSLAQLSA
32737	Q8TEX9	104	LSLAQLSATIFRK
32738	Q8TEX9	126	LQLLQHSTHSPHS
32739	Q8TEX9	129	LQHSTHSPHSPER
32740	Q8TEX9	173	TLGEVGSPGLLFY
32741	Q8TEX9	279	FLVKVKSKALLKN
32742	Q8TEX9	380	LVLAVLSDGAGDH
32743	Q8TEX9	431	LQPHISSYSREVM
32744	Q8TEX9	433	PHISSYSREVMPL
32745	Q8TEX9	544	QPVQIQSLETLGV
32746	Q8TEX9	588	LRRCTYSLFAALS
32747	Q8TEX9	594	SLFAALSGLMGEG
32748	Q8TEX9	615	TTMLLSSLRSTEG
32749	Q8TEX9	618	MLLSLRSATEGIVP
32750	Q8TEX9	639	LLFDDESDEGEEE
32751	Q8TEX9	658	VEEEDDSEISGYS
32752	Q8TEX9	661	EDDSEISGYSVEN
32753	Q8TEX9	684	AAVGEISVNTSVA
32754	Q8TEX9	697	FLPYMESVFEEVF
32755	Q8TEX9	734	LHKACQSCPSEPN
32756	Q8TEX9	781	LTGVLRSCGTLTL
32757	Q8TEX9	850	AAAGGDSFAPFFA
32758	Q8TEX9	893	QGLGAASAQFVSR
32759	Q8TEX9	898	ASAQFVSRLLPVL
32760	Q8TEX9	906	LLPVLLSTAQEAD
32761	Q8TEX9	972	ARLLMASPTRKPE
32762	Q8TEX9	1006	TIGRLFSFLYQSS
32763	Q8TEX9	1011	FSFLYQSSPDQVI
32764	Q8TEX9	1012	SFLYQSSPDQVID
32765	Q8TEX9	1028	ELLRICSLILADN
32766	Q8TEX9	1065	FQAALGSLPVDKA
32767	Q8TF09	13	TLKRIQSHKGVIG
32768	Q8TF09	37	RTTLDNSTTVQYA
32769	Q8TF09	55	LTMKAKSTVRDID
32770	Q8TF09	73	TFLRIRSKKHEIM
32771	Q8TF76	47	RRFFNNSGSSDAS
32772	Q8TF76	50	FNSSGSSDASIGD
32773	Q8TF76	127	RPPQKCSTPCGPL
32774	Q8TF76	171	SASFSSLASPCP
32775	Q8TF76	179	ASPCPGSPTPRDS
32776	Q8TF76	185	SPTPRDSVISIGT
32777	Q8TF76	188	PRDSVISIGTSAC
32778	Q8TF76	192	VISIGTSACLVA
32779	Q8TF76	199	ACLVAASAVPSGL
32780	Q8TF76	220	RASLPCSQEEATG
32781	Q8TF76	243	TRASLRSVLFGLM
32782	Q8TF76	251	LFGLMNSGTPEDS
32783	Q8TF76	288	EGPGLSSTGKRRA

32784	Q8TF76	337	LERTRSSRKSKHQ
32785	Q8TF76	353	ETSLLHSHRFKKG
32786	Q8TF76	389	KTRASFSFHKKKI
32787	Q8TF76	400	KIVTDVSEVCSIY
32788	Q8TF76	415	ATSLSGSLLSECS
32789	Q8TF76	421	SLLSECSNRPVMN
32790	Q8TF76	430	PVMNRTSGAPSSW
32791	Q8TF76	434	RTSGAPSWHSSS
32792	Q8TF76	438	APSSWHSSMYLL
32793	Q8TF76	453	LNTLSISNKKASD
32794	Q8TF76	458	ISNKKASDAEKVY
32795	Q8TF76	524	PDLVNGSHQKTFE
32796	Q8TF76	568	VHCVQGSYPPLLL
32797	Q8TF76	586	YNSTKGSANDRPD
32798	Q8TF76	627	SLATAKSILHQLT
32799	Q8TF76	661	VLLKKTSLKKLHY
32800	Q8TF76	678	KSSTIPSCGLQVS
32801	Q8TF76	705	VVFCDVSMDEDLF
32802	Q8WTQ7	23	LQARKPSDCDSKE
32803	Q8WTQ7	27	KPSDCDSKELQRR
32804	Q8WTQ7	53	ELRQKLSLNHFHSL
32805	Q8WTQ7	58	LSLNFHSSLCEQQP
32806	Q8WTQ7	104	EGPTKDSLQGLV
32807	Q8WTQ7	115	LVATCASAPAPGN
32808	Q8WTQ7	127	NPQPFLSQAVATK
32809	Q8WTQ7	169	FKDFVTSAFYDKF
32810	Q8WTQ7	187	FEMQPVSDKYFTE
32811	Q8WTQ7	247	EILEKVSSPFIVS
32812	Q8WTQ7	248	IILEKVSSPFIVSL
32813	Q8WTQ7	253	SSPFIVSSLAYAFE
32814	Q8WTQ7	260	LAYAFESKTHLCL
32815	Q8WTQ7	269	HLCLVMSLMNGGD
32816	Q8WTQ7	291	TRGLDMSRVIFYS
32817	Q8WTQ7	297	SRVIFYSAQIACG
32818	Q8WTQ7	333	LGNCRSLDLGLAV
32819	Q8WTQ7	367	ILMEKVSSYSPVVD
32820	Q8WTQ7	369	MEKVSYSYPVDWF
32821	Q8WTQ7	380	WFAMGCSIYEMVA
32822	Q8WTQ7	399	DYKEKVSKEDLKQ
32823	Q8WTQ7	441	PEQRLGSREKSDD
32824	Q8WTQ7	445	LGSREKSDDPRKH
32825	Q8WTQ7	476	PFVPDPSSVYAKD
32826	Q8WTQ7	490	AEIDDFSEVRGVE
32827	Q8WTQ7	544	GCEEGNSSKSGVC
32828	Q8WTQ7	545	CEEGNSSKSGVCL
32829	Q8WU03	16	LQILYKSLEKSIP
32830	Q8WU03	20	YKSLEKSIPESIK
32831	Q8WU03	24	EKSIPESIKVYGA
32832	Q8WU03	90	KLEEVLSSYNSNVIS
32833	Q8WU03	92	EEVLSYSNVISWE
32834	Q8WU03	96	SYNSNVISSWEQTLQ
32835	Q8WU03	120	IRKVATSKSVQVD
32836	Q8WU03	122	KVATSKSVQVDYM
32837	Q8WU03	144	PKKHKTSSNDKME
32838	Q8WU03	145	KKHKTSSNDKMEL
32839	Q8WU03	164	NKEGNFSNMFLDA
32840	Q8WU03	171	NMFLDASHAGLVN
32841	Q8WU03	188	FGKNERSLKYIER

32842	Q8WU03	213	PEGQLV S WIVMEQ
32843	Q8WU03	220	WIVMEQ S CELRMG
32844	Q8WU03	250	HLEKYL S QKEIPF
32845	Q8WU03	267	ADNNEKS L QALNN
32846	Q8WUI4	42	GLQQQRS V EPMRL
32847	Q8WUI4	49	VEPMRL S MDTPMP
32848	Q8WUI4	82	KRSAVAS S VVKQK
32849	Q8WUI4	132	TRSM LSS FLPPVP
32850	Q8WUI4	139	FLPPVPS L PSDPP
32851	Q8WUI4	168	RYKP KKS LERRKN
32852	Q8WUI4	197	AETLGD S SPSSSS
32853	Q8WUI4	201	GDSSPSS S STPAS
32854	Q8WUI4	203	SPS SSS TPASGC
32855	Q8WUI4	210	TPASGC S SPNDSE
32856	Q8WUI4	211	PASGC S PNDEH
32857	Q8WUI4	225	PNPILG S EALLGQ
32858	Q8WUI4	239	LRLQET S VAPFAL
32859	Q8WUI4	249	FALPTV S LLPAIT
32860	Q8WUI4	266	APARADS D RRTHP
32861	Q8WUI4	304	AGGTLP S RQLQIL
32862	Q8WUI4	317	LLDP S GSHAPLLT
32863	Q8WUI4	464	GRLPRG S TGDTVL
32864	Q8WUI4	507	SQARV LSS SETPA
32865	Q8WUI4	508	QARV LSS SETPAR
32866	Q8WUI4	550	HAGRIQS I WSRLQ
32867	Q8WUI4	595	YGTNPL S RLKLDN
32868	Q8WUI4	644	ARWAAG S VTDLAF
32869	Q8WUI4	654	LAKV AS RELKNG
32870	Q8WUI4	751	DEVGAG S GEGFNV
32871	Q8WUI4	790	PIAREFS P DLVLV
32872	Q8WUI4	797	PDLVLV S AGFDAA
32873	Q8WUI4	816	LGGYHV S AKCFGY
32874	Q8WUI4	907	LASC PDS WVPRVP
32875	Q8WUI4	928	AVTAL AS LSVGIL
32876	Q8WUI4	940	LAEDRP S EQLVEE
32877	Q8WUM4	13	VQLKK T SEVDLAK
32878	Q8WUM4	31	IQQTYP S GGEEQA
32879	Q8WUM4	47	RAAEEL S KLRRAA
32880	Q8WUM4	85	EPKFPF S ENQICL
32881	Q8WUM4	103	DAFDKG S LFGGSV
32882	Q8WUM4	108	GSLFGGS V KLALA
32883	Q8WUM4	115	VKLAL AS LGYEKS
32884	Q8WUM4	169	IKETV L SALSREP
32885	Q8WUM4	180	EPTVD IS PDTVGT
32886	Q8WUM4	188	DTVGTL S LIMLAQ
32887	Q8WUM4	261	NAEYHQ S ILAQQ
32888	Q8WUM4	289	LIKTV AS RYDEYV
32889	Q8WUM4	340	KATLV K STPVNVP
32890	Q8WUM4	348	PVNVP I SQKFTDL
32891	Q8WUM4	362	EKMVP V SQQSLA
32892	Q8WUM4	366	PVSVQQ S LAAYNQ
32893	Q8WUM4	381	ADLVNRS I AQMRRE
32894	Q8WUM4	416	GDTV PQ SILTCSR
32895	Q8WUM4	421	QSILT K SRSVIEQ
32896	Q8WUM4	423	ILT K SRSVIEQGG
32897	Q8WUM4	454	REILDE S LRLLDE
32898	Q8WUM4	536	LNAAI P SANPAKT
32899	Q8WUM4	546	AKTM QG SEVVNL

32900	Q8WUM4	582	VNFDMT S KFLTAL
32901	Q8WUM4	600	INEEALS V TELDR
32902	Q8WUM4	618	TTKVQ E SLKKQEG
32903	Q8WUM4	632	LKNIQV S HQEFSK
32904	Q8WUM4	637	VSHQE F SKMKQSN
32905	Q8WUM4	642	FSKM KQ SNNEANL
32906	Q8WUM4	718	SIAREP S APS IPT
32907	Q8WUM4	730	TPAYQ S PAGGHA
32908	Q8WUM4	770	PANRAPSATAPSP
32909	Q8WUM4	792	PSQTPGSAPPQA
32910	Q8WV28	12	KITVPASQKLRQL
32911	Q8WV28	54	PRRDY A ESPADE
32912	Q8WV28	65	DEEEQWSDDFDSD
32913	Q8WV28	79	ENPDEH S DSEMYV
32914	Q8WV28	81	PDEHSD S EMYVMP
32915	Q8WV28	95	EENADD S YEPPPV
32916	Q8WV28	124	EYIDNRS S QRHSP
32917	Q8WV28	129	RSSQRH S PPFSKT
32918	Q8WV28	133	RHSPPF S KTLP SK
32919	Q8WV28	141	TLPSKP S WPSEKA
32920	Q8WV28	144	SKPSWP S EKARLT
32921	Q8WV28	151	EKARLT S TLPALT
32922	Q8WV28	196	IHPTESS S PPEK
32923	Q8WV28	197	HPTESS S PPPEKA
32924	Q8WV28	209	APMVNR S TKPNSS
32925	Q8WV28	219	NSSTPAS S PPGTAS
32926	Q8WV28	225	SPPGTAS S GRNSGA
32927	Q8WV28	229	TASGRN S GAWETK
32928	Q8WV28	243	PPPAAPS S PLPRAG
32929	Q8WV28	263	KTTPVAS S QQNASS
32930	Q8WV28	269	SQQNASS S VCEEK P
32931	Q8WV28	293	RQEAVQ S PVFFPA
32932	Q8WV28	327	VDGPLP S FSSNST
32933	Q8WV28	329	GPLPSF S SNSTIS
32934	Q8WV28	330	PLPSFSS S NSTISE
32935	Q8WV28	332	PSFSSN S TISEQE
32936	Q8WV28	335	SSNST S EQEAGV
32937	Q8WV28	368	RSNKDG S FLIRKS
32938	Q8WV28	374	SFLIRK S SGHDSK
32939	Q8WV28	375	FLIRK S GHDSKQ
32940	Q8WV28	421	GEEYFG S VAEIIR
32941	Q8WV28	432	IRNHQ H SPLVLID
32942	Q8WV28	439	PLVLID S QNNTKD
32943	Q8WVM8	37	VPHIK N S TGE PVW
32944	Q8WVM8	78	LHLLL H S DRDPIP
32945	Q8WVM8	113	RNQLYES S YLNFI
32946	Q8WVM8	120	YYLNFI S AI SR SK
32947	Q8WVM8	123	NFISAI S RSKLED
32948	Q8WVM8	125	ISAISRS K LEDIA
32949	Q8WVM8	138	NAALAAS A VTQVA
32950	Q8WVM8	172	QNKELV S YRAINR
32951	Q8WVM8	196	MDTIVD S LFCFFV
32952	Q8WVM8	213	VPIIRC S RGTAEE
32953	Q8WVM8	239	LRDARN S LFTGDT
32954	Q8WVM8	252	LGAGQ F S FQRPLL
32955	Q8WVM8	297	RVNLE E SGVENS
32956	Q8WVM8	298	VNL E S GVENS P
32957	Q8WVM8	303	SSGVENS S PAGARP

32958	Q8WVM8	316	KRKNNKKS Y DLT P V
32959	Q8WVM8	340	FPEVAES S VQQELE
32960	Q8WVM8	347	VQQELES Y RAQED
32961	Q8WVM8	360	EVKRLKS I MLEG
32962	Q8WVM8	373	EDEGAIS M LSDNT
32963	Q8WVM8	376	GAISMLS D NATAKL
32964	Q8WVM8	384	NTAKLTS A VSSL P
32965	Q8WVM8	387	KLTSAVS S LPELL
32966	Q8WVM8	430	YE E KIMSKTTL D K
32967	Q8WVM8	443	SL L DIIS D PDAGT
32968	Q8WVM8	463	FLIYYI S TQQAPS
32969	Q8WVM8	469	STQQAP S EADLEQ
32970	Q8WVM8	504	AFTKMAS A PASYG
32971	Q8WVM8	511	APASYG S TTTKPM
32972	Q8WVM8	528	RVMNTGS Q FVMEG
32973	Q8WVM8	579	MLRGNDSS V PRNK
32974	Q8WVM8	580	LRGNDSS V PRNKN
32975	Q8WVM8	624	HILYGC S ELFNAT
32976	Q8WW12	14	DEKPEKS Q RAGAA
32977	Q8WW12	37	VKT K TV S SSNGGE
32978	Q8WW12	38	TK K TV S SSNGGES
32979	Q8WW12	39	TK T V S SSNGGESS
32980	Q8WW12	44	SSNGGES S SRSAE
32981	Q8WW12	45	SNGGES S RSRAEK
32982	Q8WW12	46	NGGES S RSRAEK R
32983	Q8WW12	48	GE S RSRAEK R SA
32984	Q8WW12	53	RSAEKRS A EEEAA
32985	Q8WW12	69	TKPTKIS K FGFAI
32986	Q8WW12	77	FGFAIGS Q TTKKA
32987	Q8WW12	84	QT T KKAS A ISIKL
32988	Q8WW12	87	KKASAIS I KL G SS
32989	Q8WW12	92	ISIKLGSS K P K ET
32990	Q8WW12	93	SIKL G SS K P K ETV
32991	Q8WW12	108	LAP K TL S VAAA F N
32992	Q8WW12	119	FNEDED S EPEEMP
32993	Q8WW12	142	GRDTPT S AGPNSF
32994	Q8WW12	147	TSAGPNS F NKGKH
32995	Q8WW12	156	KGKHGF S DNQKLW
32996	Q8WW12	168	WERNIKSH L GNVH
32997	Q8WWA1	8	ETSASSSQ P QDNS
32998	Q8WWA1	14	SQPQDNS Q VHRET
32999	Q8WWA1	41	GKAGLF S QE Q YER
33000	Q8WWA1	50	QYERNKSSSSSSSS
33001	Q8WWA1	51	YERNKSSSSSSSS
33002	Q8WWA1	52	ERNKSSSSSSSS
33003	Q8WWA1	53	RNKSSSSSSSSSS
33004	Q8WWA1	54	NKSSSSSSSSSS
33005	Q8WWA1	55	KSSSSSSSSSS
33006	Q8WWA1	65	SSSSSSSSSSSE
33007	Q8WWA1	66	SSSSSSSSSSSES
33008	Q8WWA1	67	SSSSSSSSSES
33009	Q8WWA1	68	SSSSSSSSSES
33010	Q8WWA1	69	SSSSSSSES
33011	Q8WWA1	70	SSSSSSSES
33012	Q8WWA1	72	SSSSSES N DEDQQ
33013	Q8WWA1	88	TGKHRRSLGAGYP
33014	Q8WWA1	99	YPHGNGSPGP G H
33015	Q8WWA1	127	PGEVVVP S GESGLR

33016	Q8WWA1	137	GLRRRGSDPASGE
33017	Q8WWA1	147	SGEVEASQLRRLN
33018	Q8WWA1	186	YADWFMSLGVGLL
33019	Q8WWA1	196	GLLTFA\$LETVGI
33020	Q8WWA1	212	LVYRIHSVLQGFI
33021	Q8WWM7	45	PGPLATSAPPGP
33022	Q8WWM7	56	GPPAAASPCLGPV
33023	Q8WWM7	98	GAAAIGSARGQST
33024	Q8WWM7	133	LTAVVGSTCDVKV
33025	Q8WWM7	154	IFKTLSSKFELAV
33026	Q8WWM7	168	AVHRKASEPAGGP
33027	Q8WWM7	188	TMVFKPSDVMLVH
33028	Q8WWM7	211	KDKFTDSAIAMNS
33029	Q8WWM7	217	SAIAMNSKVNGEH
33030	Q8WWM7	248	DLESDM\$NGWDPN
33031	Q8WWM7	275	TYDSSLSSYTVPPL
33032	Q8WWM7	276	YDSSLSSYTVPLE
33033	Q8WWM7	367	RGGVRCSSSRGGR
33034	Q8WWM7	426	KTLSSPSNRPSGE
33035	Q8WWM7	434	RPSGET\$VPPPPA
33036	Q8WWM7	459	AAPAPI\$ASCPEP
33037	Q8WWM7	469	PEPPIG\$AVPTSS
33038	Q8WWM7	475	SAVPTSSASIPVT
33039	Q8WWM7	496	GSISPASPKISLA
33040	Q8WWM7	500	PASPKISLAPTDV
33041	Q8WWM7	558	FKLQPSSSPENSL
33042	Q8WWM7	589	VDGLLT\$EPMGSP
33043	Q8WWM7	594	TSEPMGS\$PVSSKT
33044	Q8WWM7	598	MGSPVSSKTESVS
33045	Q8WWM7	630	PPPPCPSQTGSPP
33046	Q8WWM7	657	AEQVKKS\$TLNPNA
33047	Q8WWM7	694	RTHSTPS\$IPVLTA
33048	Q8WWM7	736	PYPVSN\$VPGQQG
33049	Q8WWM7	786	AATPYSS\$YIPYNP
33050	Q8WWM7	810	PMAHYPS\$QPVFAP
33051	Q8WWM7	882	ATTPTGS\$QPQSQH
33052	Q8WWM7	892	SQHAAPS\$PVHQQA
33053	Q8WWM7	931	SLPPGPSAQSPQS
33054	Q8WX93	9	GTSSHESFYDSL
33055	Q8WX93	69	EISQIF\$TSPASL
33056	Q8WX93	99	RPQDNRS\$TPVQPL
33057	Q8WX93	149	RGAKTPS\$TNVKPK
33058	Q8WX93	350	CLATNPS\$GSDTTS
33059	Q8WX93	365	VFIEGAS\$STDSDS
33060	Q8WX93	378	ESLAFKS\$RAGAMP
33061	Q8WX93	392	AQKKTT\$VSILTIG
33062	Q8WX93	399	VSLTIG\$SSPKTG
33063	Q8WX93	400	SLTIG\$SSPKTG
33064	Q8WX93	415	AVIQPL\$VPVQQV
33065	Q8WX93	496	LQKKPR\$TAEPEE
33066	Q8WX93	532	DYGSAT\$TAQLVV
33067	Q8WX93	572	PPILETS\$LELAS
33068	Q8WX93	573	PILETS\$LELAS
33069	Q8WX93	632	KANSNK\$LPPTAV
33070	Q8WX93	641	TPAVLL\$PTKEPP
33071	Q8WX93	713	ASPEPM\$ALASRS
33072	Q8WX93	719	SALASRS\$APAMQS
33073	Q8WX93	757	TPASSP\$SSSLPS

33074	Q8WX93	798	WGSSSPSPPPPP
33075	Q8WX93	808	PPPPVFSPTAAFP
33076	Q8WX93	855	TPAAFLSALLPSQ
33077	Q8WX93	1042	KDGKQISPKSDHY
33078	Q8WX93	1065	SLHTTASTLDDDG
33079	Q8WX93	1167	LPTPDLSWQLDGK
33080	Q8WX93	1200	IIEPVTSRDAGIY
33081	Q8WX93	1277	NESLTHSTDRVSM
33082	Q8WX93	1335	WHQQSQSTKPKKV
33083	Q8WX93	1344	PKKVRPSASRYAA
33084	Q8WX93	1352	SRYAALS DQGLDI
33085	Q8WYJ6	19	NQLHRKSVKKGFD
33086	Q8WYJ6	34	LMVAGE SGLGKST
33087	Q8WYJ6	39	ESGLGKSTLINS L
33088	Q8WYJ6	44	KSTLINS LFLTNL
33089	Q8WYJ6	60	RQVPEASARLTQT
33090	Q8WYJ6	96	TPGFGDSVDCSDC
33091	Q8WYJ6	100	GDSVDCS DCWL PV
33092	Q8WYJ6	122	QYLRDESGLNRKN
33093	Q8WYJ6	132	RKNIQDSRVHCCL
33094	Q8WYJ6	142	CCLYFISPFGRGL
33095	Q8WYJ6	222	DAEMKESIPFAVV
33096	Q8WYJ6	230	PFAVVGSCEVV RD
33097	Q8WYJ6	296	RARCLQS LARPG A
33098	Q8WYJ6	309	RDRASRS KLSRQS
33099	Q8WYJ6	312	ASRSKLS RQSATE
33100	Q8WYJ6	357	QAQMQQSQAQGEQ
33101	Q8WYK2	10	GQIPDPSVTTGSL
33102	Q8WYK2	15	PSVTTGS L PGLGP
33103	Q8WYK2	27	PLTGLPS SALTVE
33104	Q8WYK2	28	LTGLPSSALTVEE
33105	Q8WYK2	66	RPQPVKSELDEEE
33106	Q8WYK2	104	EFLQRESERLELM
33107	Q8WYK2	145	CIVRTDSVKTPES
33108	Q8WYK2	151	SVKTPES EGNPLL
33109	Q8WYL5	28	SELEAGSEEDRKL
33110	Q8WYL5	41	NLSLSES FFMVK G
33111	Q8WYL5	130	LLGVDFSSKESKS
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33113	Q8WYL5	216	YESCISSEQSCIN
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33115	Q8WYL5	232	AMQDLES TRPDSP
33116	Q8WYL5	265	LRSIMMS QDLENV
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33118	Q8WYL5	464	WRQQTDSS LQQPV
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33121	Q8WYL5	521	SDPLLPS PEDET G
33122	Q8WYL5	576	KKLEFGSPKGRSG
33123	Q8WYL5	622	ENLNNNSKRSCP N
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33125	Q8WYL5	698	AHLASRS RVPEKP
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33127	Q8WYL5	720	FLPPAGS RRADTS
33128	Q8WYL5	754	PKVLPKS LLLKNS
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33130	Q8WYL5	794	DLRLLFS NESEKP
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33132	Q8WYL5	883	AGSDEKSEAAPAS
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33134	Q8WYL5	912	DHTSSFSKDFLKT
33135	Q8WYL5	927	YTPTSSSMSSNLT
33136	Q8WYL5	929	PTSSSMSNLTRS
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33138	Q8WYL5	993	FSTEDLSSEADPS
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33152	Q92504	167	NSPRHRSLLQILL
33153	Q92504	174	LLQILLSFASGGL
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33178	Q92522	92	RTYLKYSIKALVQ
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33186	Q92538	279	PISSASSEAASAV
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33188	Q92538	289	SAVVSPSTDGLE
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33190	Q92538	413	LFRFLISLTNPHD
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33192	Q92538	533	QLWRIPSFVTELY
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33194	Q92538	772	SFVSTFSFQGLRL
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33215	Q92538	1839	ALIEATSPVPLLA
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33218	Q92556	57	LQHADSSNFYITE
33219	Q92556	80	ILRLLTTSPAQNAQ
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33221	Q92556	109	ALKDLASLSRDVT
33222	Q92556	127	INLDGISLLTQMV
33223	Q92556	135	LTQMVESGTERYQ
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33225	Q92556	177	VSWDTFSVAFIKK
33226	Q92556	191	ASFVNKSAYDISI
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33229	Q92556	235	IPLHQGSDQEIQT
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33234	Q92556	344	PNNSSGSMEKRKS
33235	Q92556	350	SMEKRKSMYTRDY
33236	Q92556	403	RIVLENSSREDKH
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33239	Q92556	451	FFTHDRSFEEFFC
33240	Q92556	497	ALTTKPSLDQFK
33241	Q92556	498	LTTPKPSSLQFKS
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33243	Q92556	510	SKLQNLSSYTEILK
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33248	Q92556	643	VLELAFS I LYDSN
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33260	Q92563	168	EQQAC L SSKQLAV
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33267	Q92563	236	SVAGPAS G LDKSL
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33279	Q92563	388	FSGDFG S GVGWED
33280	Q92574	54	YYLET S SQPALHI
33281	Q92574	102	VIRLQPSWKHKL S
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33285	Q92574	208	FLRSHY S MKENLE
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33291	Q92574	394	LGTPAT S PPPAPL
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33356	Q92616	330	NLARQCS DSSAME
33357	Q92616	337	DSSAMESLT KHLF
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33468	Q92630	457	RAKNFVSSKGYPY
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33517	Q92731	9	IKNSPSSLNSPSS
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33527	Q92731	112	PWCEARSLEHTLP
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33933	Q92945	675	GSQPDYSAAWAEY
33934	Q92974	15	RARIDRSRELASK
33935	Q92974	20	RSRELASKTREKE
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33937	Q92974	122	IRERPSSAIYPSD
33938	Q92974	129	AIYPSDSFRQSL
33939	Q92974	133	SDSFRQSILLGSRR
33940	Q92974	145	RGRSSLSLAKSVS
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33943	Q92974	177	LSQSTDSDLNMRNR

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33946	Q92974	223	WSLAVDSFLQQH
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34006	Q92985	472	QREGVSS LDSSL
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34011	Q92985	487	CLSSANS LYDDIE
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34027	Q92993	221	SLVSDRS HDDIVT
34028	Q92993	272	CLKYGRS LKCLQR
34029	Q92993	311	DGRKNKS YSQNL
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34056	Q92997	236	ERSSSF SITDST
34057	Q92997	241	FSSITD S TMSLNI
34058	Q92997	311	INFENMS NDDAVR
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34254	Q96A65	159	ATDMLVS AVESEL
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34314	Q96AD5	344	YTLPLESALSFTI
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34316	Q96AD5	391	LGRHLPSRLPEQV
34317	Q96AD5	407	RVQSLPSVPLSCA
34318	Q96AD5	411	LPSVPLSCAAYRE
34319	Q96AD5	476	APADPASPQHQLA
34320	Q96AD5	489	GPAPLLSTPAPEA
34321	Q96AX2	19	GEAPERSPPCSPPS
34322	Q96AX2	23	ERSPPCSPSYDLT
34323	Q96AX2	25	SPPCSPSYDLTGK
34324	Q96AX2	56	KDGAFLSGTFIAT
34325	Q96AX2	94	GQERFRSVTHAYY
34326	Q96AX2	116	YDITNKSSFDNIR
34327	Q96AX2	117	DITNKSSFDNIRA
34328	Q96AX2	148	GNKADMSSSERVIR
34329	Q96AX2	149	NKADMSSSERVIRS
34330	Q96AX2	155	SERVIRSEDGETL
34331	Q96AX2	173	VPFLETSAKTGMN
34332	Q96AX2	203	HQADEPSFQIRDY
34333	Q96AX2	212	IRDYVESQKKRSS
34334	Q96B36	88	PAPQPPSPTPSPP
34335	Q96B36	92	PPSPTPSPPRPTL
34336	Q96B36	116	PTETETSGEQLGI
34337	Q96B36	123	GEQLGISDNGGLF
34338	Q96B36	146	LPPFCESDPESTD
34339	Q96B36	150	CESDPESTDDGSL
34340	Q96B36	155	ESTDDGSLSEETP
34341	Q96B36	157	TDDGSLSEETPAG
34342	Q96B36	168	AGPPTCSVPPASA
34343	Q96B36	173	CSVPPASALPTQQ
34344	Q96B36	183	TQQYAKSLPVSV
34345	Q96B36	187	AKSLPVSVWGF
34346	Q96B36	202	KRTEARSDEENG
34347	Q96B36	203	RTEARSSDEENGP
34348	Q96B36	211	EENGPPSPDLDRI
34349	Q96B36	212	ENGPPSSPDLDRI

34350	Q96B36	221	LDRIIAASMRALVLRPRLNTSDFQKLK
34351	Q96B36	247	LDMPPVSYDVQLLDVQLLHSWNNNDR
34352	Q96BD6	47	WNNNDRSLNVFVKRHPVAQSSTDAIRG
34353	Q96BD6	55	ADAPLHSVGYTTLADAPLHSVGYTTL
34354	Q96BD6	62	VGNNHESWGWDLGVGNNHESWGWDLG
34355	Q96BD6	83	DGKNQPSKTPAFDGKNQPSKTPAF
34356	Q96BD6	126	TFIVPDSFLVALDTFIVPDSFLVALD
34357	Q96BD6	139	MDDGTLSFIVDGQMDDGTLSFIVDGQ
34358	Q96BD6	158	KLYPVVSAYWGHC
34359	Q96BD6	176	MDLCRRSVRLALG
34360	Q96BD6	189	TLPLPASLKAYLL
34361	Q96BD6	214	TMDYKESCPVSI
34362	Q96BD6	244	YKESCPVSIPSS
34363	Q96BD6	265	ESCPVSIPSSDE
34364	Q96BR1	12	PSVSIPSSDEHRE
34365	Q96BR1	15	SVSIPSSDEHREK
34366	Q96BR1	17	VYKVLVSVGRSEW
34367	Q96BR1	20	LVSVGRSEWFVFR
34368	Q96BR1	21	AFLQMDSPKHQSD
34369	Q96BR1	39	EDEDERSSQKLHS
34370	Q96BR1	43	DEDERSQKLHST
34371	Q96BR1	121	QKLHSTSQNINLG
34372	Q96BR1	136	NINLGPSGNPHAK
34373	Q96BR1	137	KVIGKGSFGKVLL
34374	Q96BR1	144	LVGLHYSFQTTEK
34375	Q96BR1	152	HLQRERSFPEHRA
34376	Q96BR1	172	YAAEIASALGYLH
34377	Q96BR1	229	ALGYLHSIKIVYR
34378	Q96BR1	257	ENILLDSVGHVVL
34379	Q96BR1	272	KEGIAISDTTTF
34380	Q96BR1	279	ILHKPLSLRPGVS
34381	Q96BR1	296	SLRPGVSLTAWSI
34382	Q96BR1	315	VSLTAWSILEELL
34383	Q96BR1	379	NHPFFESLSWADL
34384	Q96BR1	385	PFFESLSWADLVQ
34385	Q96BR1	390	YSVCVSSDYSIVN
34386	Q96BR1	421	CVSSDYSIVNASV
34387	Q96BR1	423	YSIVNASVLEADD
34388	Q96BR1	466	ADHNPDSDSTPRT
34389	Q96BR1	469	HNPDSDSTPRTLL
34390	Q96BR1	474	TPRRPRSRAGAR
34391	Q96BT3	8	LLTAPESSILMPE
34392	Q96BT3	10	LTAPESSILMPES
34393	Q96BT3	33	SILMPESVVKPVP
34394	Q96BT3	100	PQAVQPSRQESSC
34395	Q96BT3	101	QPSRQESSCGSLE
34396	Q96BT3	107	PSRQESSCGSLEL
34397	Q96BT3	121	QESSCGSLELQLP
34398	Q96BT3	125	KQRLRLSVFQQGV
34399	Q96BT3	126	GVDQGLSLSQEPOQ
34400	Q96BT3	129	DQGLSLSQEPQGN
34401	Q96BT3	160	QGNADASSLTRSL
34402	Q96BT3	171	GNADASSLTRSLN
34403	Q96BT3	173	RDLRDTSLAPPNI
34404	Q96BT3	183	SQPMVGSPNVYHS
34405	Q96BT3	184	
34406	Q96BT3	230	
34407	Q96BT3	251	

34408	Q96BT3	279	AGRKTQS S GPGLQ
34409	Q96BT3	280	GRKTQSS S GPGLQK
34410	Q96BT3	288	PGLQKNS S PGKPAQ
34411	Q96BT3	312	FALGFL S TSSGVS
34412	Q96BT3	315	GFLSTSS S GVSGED
34413	Q96BT3	318	STSSGV S GEDEVE
34414	Q96BT3	345	EEGVSV S SEMEATG
34415	Q96BT3	392	SGDEDASGRAASP
34416	Q96BT3	400	RAASPES S ASSTPE
34417	Q96BT3	403	SPESASS S TPESLQ
34418	Q96BT3	429	PGAAVL S SEPAEP
34419	Q96BT3	430	GAAVLS S SEPAEPL
34420	Q96BT3	468	HYVKLF S FYAKMP
34421	Q96BT3	553	LIPCAY S GNSVFP
34422	Q96C19	11	ELATKLS S RRLQME
34423	Q96C19	50	AAEALGS S ADCELS
34424	Q96C19	56	SADCELS S AKLLRR
34425	Q96C19	74	GIGEPQS S PSRRVF
34426	Q96C19	76	GEPOQSP S RRVFNP
34427	Q96C19	90	TEFKEF S RKQIKD
34428	Q96C19	146	VDEDFD S KLSFRE
34429	Q96C19	149	DFDSKLS S FREFLL
34430	Q96C19	169	GELQEDS S GLCVLA
34431	Q96C19	178	CVLARL S EIDVSS
34432	Q96C19	183	LSEIDVS S SEGVKG
34433	Q96C19	184	SEIDVS S SEGVKGA
34434	Q96C19	192	GVKGAKS S FEAKV
34435	Q96C19	204	VQAINVS S RFEEE
34436	Q96C19	205	QAINVS S RFEEEI
34437	Q96C36	26	TAAGILS S AHKIIIA
34438	Q96C36	33	AHKIIIAS S PEMNL
34439	Q96C36	34	HKIIASS S PEMNL
34440	Q96C36	43	MNLPTV S ALRKMG
34441	Q96C36	55	GVNLTR S NKETVK
34442	Q96C36	63	KETVKHS S DVLFLA
34443	Q96C36	94	ARHIVVS S CAAGVT
34444	Q96C36	102	AAGVTIS S VEKKL
34445	Q96C36	103	AGVTISS S VEKKLM
34446	Q96C36	154	LLEQLMS S VGFC
34447	Q96C36	155	LEQLMSS S VGFC
34448	Q96C36	174	DAVTGLS S GSGPAY
34449	Q96C36	176	VTGLSGS S GPAYAF
34450	Q96C36	220	AKMLLD S EQHPCQ
34451	Q96C36	233	LKDNCVS S PGGATI
34452	Q96C36	247	ALHFLES S GGFRSL
34453	Q96C36	252	ESGGFR S LLINAV
34454	Q96C36	261	INAVERAS S CIRTR
34455	Q96C36	270	RTRELQ S MADQEK
34456	Q96C36	278	ADQEKEIS S PAALKK
34457	Q96C36	294	DRVKLES S PTVSTL
34458	Q96C36	298	LESPTV S TLTPSS
34459	Q96C36	303	VSTLTP S SPGKLL
34460	Q96C36	304	STLTPSS S PGKLLT
34461	Q96C36	312	GKLLTR S LALGGK
34462	Q96C86	24	EEAHAA S TEEKEA
34463	Q96C86	45	PVRLPFS S GFR L QK
34464	Q96C86	56	QKVLR S ARDKII
34465	Q96C86	72	GKVNEAS S GDGDGE

34466	Q96C86	101	AQLLTGSPELQLQ
34467	Q96C86	109	ELQLQFSNDIYST
34468	Q96C86	114	FSNDIYSTYHLFP
34469	Q96C86	168	TLPHLESQSLSIQ
34470	Q96C86	170	PHLESQSLSIQWV
34471	Q96C86	172	LESQSLSIQWVYN
34472	Q96C86	197	FENPDPSDGFLVI
34473	Q96C86	229	HRRGIRSLRDLTP
34474	Q96C86	272	YLHYLPSYYHLHV
34475	Q96C86	290	GFEAPGSGVERAH
34476	Q96CF2	13	FFKGGGS SKSRAA
34477	Q96CF2	14	FKGGGSS SKSRAAP
34478	Q96CF2	16	GGGSSKS RAAPSP
34479	Q96CF2	21	KSRAAPS PQEALV
34480	Q96CF2	87	QIDGTLSTIEFQR
34481	Q96CF2	99	REALENSHTNTEV
34482	Q96CF2	118	AAKAMKS VHENMD
34483	Q96CF2	146	DIAQEISEAFSQR
34484	Q96CF2	150	EISEAFS QRVGFG
34485	Q96CF2	190	RLPNVPSSLPAQ
34486	Q96CF2	191	LPNVPS SLPAQP
34487	Q96CF2	192	PNPVPS SLPAQPN
34488	Q96CF2	204	NRKPGMS STARRS
34489	Q96CF2	205	RKPGMSS TARRSR
34490	Q96CF2	214	RRSRAAS SQRAEE
34491	Q96CF2	215	RSRAASS QRAEEE
34492	Q96CN5	9	EFRRSY SRLCRES
34493	Q96CN5	15	SRLCRES GAEPQE
34494	Q96CN5	66	CTELVLS DCMLSE
34495	Q96CN5	71	LSDCMLS EEGATL
34496	Q96CN5	115	LLQQNKS IQSLTL
34497	Q96CN5	118	QNKS IQSLTLEWN
34498	Q96CN5	227	EQAMGHS QDRLTT
34499	Q96CN5	245	ARTHVL SKEVQHL
34500	Q96CN5	256	HLREEKS KQFLDL
34501	Q96CN5	277	EEMAKSS RASAAR
34502	Q96CN5	280	AKSSRAS AARVGQ
34503	Q96CN5	315	EAALAL SEQKAQD
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34505	Q96CN5	337	QEQLS LSQRQAKE
34506	Q96CN5	356	EAAERES KLLRDL
34507	Q96CN5	363	KLLRDL SAANEKN
34508	Q96CN5	399	TRQEMTSMSAELK
34509	Q96CN5	401	QEMTSMSAELKMR
34510	Q96CN5	429	RQSLEDSE ESLRIK
34511	Q96CN5	431	SLEDSES LRIKEV
34512	Q96CN5	447	TRHLEE SEKAMQE
34513	Q96CN5	464	LEAARL SLEEELS
34514	Q96CN5	470	SLEEELS SRVKAAA
34515	Q96CN5	478	VKAAL SERGQAE
34516	Q96CN5	492	ELIKAKS QARLEE
34517	Q96CN5	538	EAQTRVS QLGLQV
34518	Q96CN5	559	ELQQELS LKDQER
34519	Q96CN5	609	QLKVMAS DHREAL
34520	Q96CN5	620	ALLDRE SENASLR
34521	Q96CN5	624	RESENAS LREKL
34522	Q96CN5	648	EEAQRAS FLQNAV
34523	Q96CT7	12	QGENTKS AAARAR

34524	Q96CT7	79	LLEEDS S KLKGGK
34525	Q96CT7	92	APRVATS S KVTRA
34526	Q96CT7	93	PRVATSS S KVTRAQ
34527	Q96CT7	122	TAEKAK S HLEVPL
34528	Q96CT7	155	DAIAVLSVAEEAA
34529	Q96CT7	194	NPNMRLSQLQQLL
34530	Q96CT7	207	KKEWLRSPDNPVN
34531	Q96CV9	15	LTEKED S PSESTG
34532	Q96CV9	17	EKEDSP S ESTGNG
34533	Q96CV9	19	EDSPSES T GNGPP
34534	Q96CV9	73	GRFEELS A WTEKQ
34535	Q96CV9	90	QFFEIQ S KEAKER
34536	Q96CV9	118	GKLKGK S ERSSED
34537	Q96CV9	122	GKSERS S EDPTDD
34538	Q96CV9	129	EDPTDD S RLPRAE
34539	Q96CV9	170	LQLKLNS S GSSED
34540	Q96CV9	171	QLKLN S GSSEDS
34541	Q96CV9	174	LNSSG S SEDFVE
34542	Q96CV9	206	GPTRTVS T TGTALS
34543	Q96CV9	212	STGTALS K YRSRS
34544	Q96CV9	218	SKYRSRS A DGAKN
34545	Q96CV9	234	HEELTV S QLLLCL
34546	Q96CV9	262	EAKERVS D FEKKT
34547	Q96CV9	269	DFEKKT S NRSEIE
34548	Q96CV9	272	KKTSNR S EIETQT
34549	Q96CV9	297	GPETVG S VEALN
34550	Q96CV9	308	LNLQVT S LFKELQ
34551	Q96CV9	321	EAHTKLS A ELMK
34552	Q96CV9	346	KNSAIP S ELNEKQ
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34554	Q96CV9	370	QVESML S EIKMEQ
34555	Q96CV9	384	KTEDEKS K LTVLQ
34556	Q96CV9	415	ELTRKE S EKVDR
34557	Q96CV9	439	AEKALAS K QLQMD
34558	Q96CV9	473	QMEVYCSDFHAER
34559	Q96CV9	513	EDGGRQS L MEMQS
34560	Q96CV9	526	RHGART S SDQQA
34561	Q96CV9	528	GARTSD S DQQAYL
34562	Q96DA6	39	VKQVFQS L PKSAF
34563	Q96DA6	43	FQSLPK S AFSGGY
34564	Q96DA6	46	LPKSAFS G GGYYRG
34565	Q96DA6	70	ALILGV S PTANKG
34566	Q96DA6	96	HPDKGG S PYIAAK
34567	Q96DG6	37	KAYVTK S PVDAGK
34568	Q96DG6	67	YIADMIS G NGYTT
34569	Q96DG6	88	QEPWDPS G DWSIF
34570	Q96DG6	92	DPSGDWS I FPEWL
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34575	Q96DG6	188	IPLKDVS L LTKQL
34576	Q96DG6	208	YQIKTFS G QTHGF
34577	Q96DG6	223	RKRED C SPADKPY
34578	Q96EB6	16	QPGGSP S AAGADR
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34580	Q96EB6	265	LTGAGV S VSCGIP
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34583	Q96EB6	324	PGQFQPSLCHKFI
34584	Q96EB6	365	IIQCHGSFATASC
34585	Q96EB6	441	LLIVIGSSLKVRP
34586	Q96EB6	442	LIVIGSSLKVRPV
34587	Q96EB6	453	PVALIPSSIPHEV
34588	Q96EB6	454	VALIPSSIPHEVP
34589	Q96EB6	508	CNPVKLSEITEKP
34590	Q96EB6	525	KELAYLSLELPPTP
34591	Q96EB6	538	LHVSEDSSSPERT
34592	Q96EB6	540	VSEDSSSPERTSP
34593	Q96EB6	549	RTSPPDSSVIVTL
34594	Q96EB6	550	TSPPDSSVIVTLL
34595	Q96EB6	562	LDQAAKSNDDLDV
34596	Q96EB6	569	NDDLDVSESKGCM
34597	Q96EB6	571	DLDVSESKGCMEE
34598	Q96EB6	585	PQEVTTSRNVESI
34599	Q96EB6	590	TSRNVESIAEQME
34600	Q96EB6	605	DLKNVGSSTGEKN
34601	Q96EB6	615	EKNERTSVAGTVR
34602	Q96EB6	634	VAKEQISRRLDGN
34603	Q96EB6	667	SEDDVLSSSSCGS
34604	Q96EB6	668	EDDVVLSSSSCGSN
34605	Q96EB6	670	DVLSSSSCGNSND
34606	Q96EB6	675	SSCGSNSDSGTQ
34607	Q96EB6	682	DSGTCQSPSLEEP
34608	Q96EB6	693	EPMEDESEIEEFY
34609	Q96EG1	14	VLLAGVSFSGFLY
34610	Q96EG1	16	LAGVSFSGFLYPL
34611	Q96EG1	28	LVDFCISGKTRGQ
34612	Q96EG1	69	NLDKMASEGMRFV
34613	Q96EG1	82	DFHAAASTCSPSR
34614	Q96EG1	85	AAASTCSPSRASL
34615	Q96EG1	87	ASTCSPSRASLLT
34616	Q96EG1	90	CSPSRASLLTGRL
34617	Q96EG1	110	RNFAVTSVGGLPL
34618	Q96EG1	145	HLGHHGSYHPNFR
34619	Q96EG1	162	YFGIPYSHDMGCT
34620	Q96EG1	188	PQGDGPSRNLQRD
34621	Q96EG1	217	EQPVNLSSLAQKY
34622	Q96EG1	218	QPVNLSLAQKYA
34623	Q96EG1	235	QFIQRASTSGRPF
34624	Q96EG1	237	IQRASTSGRPFLL
34625	Q96EG1	267	AAPRGRSLYGAGL
34626	Q96EG1	278	GLWEMDSSLVGQIK
34627	Q96EG1	315	KCELAGSVGPFITG
34628	Q96EG1	330	QTRQGGSPAKQT
34629	Q96EG1	359	VPVNVTSTALLSV
34630	Q96EG1	364	TSTALLSVLDIFP
34631	Q96EG1	379	VALAQASLPQGRR
34632	Q96EG1	392	FDGVDVSEVLFGR
34633	Q96EG1	399	EVLFGRSQPGHRV
34634	Q96EG1	411	VLFHPNSGAAGEF
34635	Q96EG1	443	ARACDGSTGPELQ
34636	Q96EG1	499	IANDNISADYTQ
34637	Q96EG1	500	ANDNISSADYTQD
34638	Q96EG1	508	DYTQDPSTVTPCCN
34639	Q96EP5	20	VGGLDWSTTQETL

34640	Q96EP5	28	TQETLRSYFSQYVG
34641	Q96EP5	31	TLRSYFSQYGEVV
34642	Q96EP5	50	DKTTNQSRGFGFV
34643	Q96EP5	70	VGTVLASRPHTLD
34644	Q96EP5	107	WQKGPRSDNSKSN
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34646	Q96EP5	112	RSDNSKSNKIFVVG
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34648	Q96EP5	193	RAEPRDSKSQAPG
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34650	Q96EP5	204	PGQPGASQWGSRV
34651	Q96EP5	208	GASQWGSRVVPNA
34652	Q96EP5	264	PPPPFTSYIVSTP
34653	Q96EP5	268	FTSYIVSTPPGGF
34654	Q96EP5	291	GAPPQFSGYGPP
34655	Q96EP5	328	AFPPPPSQAAPDM
34656	Q96EP5	335	QAAPDMSKPPTAQ
34657	Q96EP5	357	GYGQDLSGFGQGF
34658	Q96EP5	364	GFGQGFSDPSQQP
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34660	Q96EP5	372	PSQQPPSYGGPSV
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34663	Q96EP5	389	GPPAGGSGFGRGQ
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34665	Q96EY1	40	VVGAWLSRKLSVP
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34667	Q96EY1	50	SVPAFASSLTSCG
34668	Q96EY1	54	FASSLTSCGPRAL
34669	Q96EY1	68	TLRPGVSLTGTH
34670	Q96EY1	82	PFICTASFHTSAP
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34672	Q96EY1	136	KAKEKFSQLAEAY
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34675	Q96EY1	167	GFDPGASGSQHSY
34676	Q96EY1	169	DPGASGSQHSYWK
34677	Q96EY1	172	ASGSQHSYWKGGP
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34680	Q96EY1	197	GEFSSSSFGDFQT
34681	Q96EY1	273	GPFVMRSCTRRCG
34682	Q96EY1	283	RCGGRGSIIISPC
34683	Q96EY1	287	RGSIIISPCVVCR
34684	Q96EY1	336	TFRVQKS PVFRD
34685	Q96EY1	348	DGADIHS DLFISI
34686	Q96EY1	353	HSDLFISIAQALL
34687	Q96EY1	398	GIPRINSYGYGDH
34688	Q96EY1	418	VPKRLTSRQQSLI
34689	Q96EY1	422	LTSRQQSLILSYA
34690	Q96EY1	426	QQLILSYAEDET
34691	Q96EY1	445	NGVTLTS SGGSTM
34692	Q96EY1	446	GVTLTSSGGSTMD
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34694	Q96EY1	453	GGSTMDSSAGSKA
34695	Q96EY1	457	MDSSAGSKARREA
34696	Q96EY1	472	DEEGFLSKLKKMF
34697	Q96EY5	9	PVPGTDSAPLAGL

34698	Q96EY5	18	LAGLAWSASAPP
34699	Q96EY5	19	AGLAWSSASAPPP
34700	Q96EY5	21	LAWSSASAPPRG
34701	Q96EY5	29	PPRGFSAISCTV
34702	Q96EY5	32	RGFSAISCTVEGA
34703	Q96EY5	41	VEGAPASFGKSFA
34704	Q96EY5	45	PASFGKSFAQKSG
34705	Q96EY5	50	KSFAQKSGYFLCL
34706	Q96EY5	57	GYFLCLS SLGSLE
34707	Q96EY5	58	YFLCLSSLGSLEN
34708	Q96EY5	61	CLSSLGSLENPQE
34709	Q96EY5	80	QIVVDKSPLPLGF
34710	Q96EY5	87	PLPLGFS PVCDPM
34711	Q96EY5	95	VCDPMDSKASVSK
34712	Q96EY5	98	PMDSKASVSKKKR
34713	Q96EY5	100	DSKASVS KKKRMC
34714	Q96EY5	125	VFDVRLSGKT KTV
34715	Q96EY5	175	LSLDAAS QPSKGG
34716	Q96EY5	178	DAASQPSKGGLLE
34717	Q96EY5	188	LLERTAS RLGSRA
34718	Q96EY5	192	TASRLGS RASTLR
34719	Q96EY5	195	RLGSRAS TLRRND
34720	Q96EY5	208	SIYEASSLYGISA
34721	Q96EY5	213	SSLYGISAMDGVP
34722	Q96EY5	230	PRFEGKSCSPLAF
34723	Q96EY5	237	CSPЛАФ SAFDLT
34724	Q96EY5	246	GDLTIKS LADIEE
34725	Q96G03	71	AMGPGI S RMNDLT
34726	Q96G03	104	QKGIVI S FDARAH
34727	Q96G03	112	DARAHP S GGGSSR
34728	Q96G03	113	ARAHPS S GGSSRR
34729	Q96G03	116	HPSSGG S RR FAR
34730	Q96G03	130	AATTFI S QGIPVY
34731	Q96G03	139	IPVYLF S DITPTP
34732	Q96G03	152	FVPFTV S HLKLCA
34733	Q96G03	186	NGAQII S PHDKGI
34734	Q96G03	210	PQAWDD S LIDSSP
34735	Q96G03	214	DDSLIDS SP LLHN
34736	Q96G03	224	LHNPSAS INNDYF
34737	Q96G03	241	KYCFHRS VN RETK
34738	Q96G03	261	VHGVGH S FVQSAF
34739	Q96G03	265	GHSFVQ S AFKA FD
34740	Q96G03	306	KGVLTLS FALADK
34741	Q96G03	343	GEWRVFS G NELGA
34742	Q96G03	367	EKNQDRS ALKD TY
34743	Q96G03	376	KDTYML S STVSSK
34744	Q96G03	377	D TYML S STVSSKI
34745	Q96G03	380	MLSSTV S SKILRA
34746	Q96G03	381	LSSTV S SKILRAI
34747	Q96G03	442	LDKDGVS AAVISA
34748	Q96G03	447	VSAAVI S AELASF
34749	Q96G03	452	ISAE LAS FLATKN
34750	Q96G03	480	YHITKAS YFICH D
34751	Q96G03	516	CGKFEI S AIRDLT
34752	Q96G03	528	TTGYDDS QPD KKA
34753	Q96G03	539	KAVLPT S KSS QM I
34754	Q96G03	541	VLPTSK S SQM ITF
34755	Q96G03	542	LPTSK S QM ITF

34756	Q96G03	560	VATMRTSGTEPKI
34757	Q96G03	593	ELNELVSAIEEHF
34758	Q96G74	54	GDRDRD\$GVVGAR
34759	Q96G74	99	PRPQQASPPPCGG
34760	Q96G74	144	GVGGCC\$GPGHSK
34761	Q96G74	149	CSGPGH\$KRRRQA
34762	Q96G74	259	KNADYFSNYVTED
34763	Q96G74	302	VEVYQYSSTGTSAV
34764	Q96G74	306	QYSTGTSAVEPIN
34765	Q96G74	328	DEPIRVSYHRNIH
34766	Q96G74	337	RNIHYN\$VVNPNK
34767	Q96G74	354	VGLGLPSFKPGFA
34768	Q96G74	363	PGFAEQ\$LMKNAI
34769	Q96G74	372	KNAIKTSEESWIE
34770	Q96G74	375	IKTSEESWIEQQM
34771	Q96G74	406	EQVARESYLQWLR
34772	Q96G74	431	SQPRKASATCSSA
34773	Q96G74	435	KASATCS\$ATAAA
34774	Q96G74	436	ASATCSS\$ATAAAS
34775	Q96G74	443	ATAAASSGLEEWT
34776	Q96G74	450	GLEEWT\$RSRPRQR
34777	Q96G74	457	RSPRQRSS\$ASSPE
34778	Q96G74	458	SPRQRSS\$ASSPEH
34779	Q96G74	460	RQRSSAS\$PEHPE
34780	Q96G74	477	LGMKPP\$PGTVLA
34781	Q96G74	489	ALAKPP\$PCAPGT
34782	Q96G74	496	PCAPGT\$SQFSAG
34783	Q96G74	497	CAPGTSSQFSAGA
34784	Q96G74	500	GTSSQFSAGADRA
34785	Q96G74	512	ATSPLVS\$LYPALE
34786	Q96G74	527	ALIQQMS\$PAFGL
34787	Q96G74	529	IQQMSP\$AFGLND
34788	Q96G74	556	QQEYLD\$MKKNKV
34789	Q96GA7	23	VTPLLESWALSQV
34790	Q96GA7	27	LESWALS\$QVAGMP
34791	Q96GA7	44	CENVQPSGSFKIR
34792	Q96GA7	46	NVQPSGS\$FKIRGI
34793	Q96GA7	70	CRHLVC\$SGGNAG
34794	Q96GA7	71	RHLVCSSGGNAGI
34795	Q96GA7	97	TIVLPES\$TSLQVV
34796	Q96GA7	99	VLPESTS\$LQVVQR
34797	Q96GA7	153	IWKGHAS\$LVQELK
34798	Q96GA7	224	TLPDITS\$VAKSLG
34799	Q96GA7	228	ITSVAKS\$LGAKTV
34800	Q96GA7	249	QVCKIH\$EVVEDT
34801	Q96GA7	259	EDTEAV\$AVQQLL
34802	Q96GA7	285	ALAAIYS\$GLLRL
34803	Q96GA7	300	EGCLPP\$LT\$VVV
34804	Q96GA7	303	LPPSLT\$VVVIVC
34805	Q96GA7	316	GGNNINS\$RELQAL
34806	Q96H79	8	AEPTVCS\$FLTKVL
34807	Q96H79	33	RGHVEL\$EARLRD
34808	Q96H79	78	VGGGGTS\$AWRVVA
34809	Q96H79	86	WRVVAV\$SVRLCA
34810	Q96H79	87	RVVAVSS\$VRLCAR
34811	Q96H79	123	PNRDCWS\$TCTLSH
34812	Q96H79	128	WSTCTL\$HDIHTP
34813	Q96H79	142	NMQVLKS\$HGLFGL

34814	Q96H79	196	KFHVCKSFVKGEC
34815	Q96H79	210	LQTCKRSHQLIHA
34816	Q96H79	218	QLIHAASLKLLQD
34817	Q96H79	231	QGLNIPSVVNFQI
34818	Q96H79	239	VNFQIISTYKHMK
34819	Q96H79	256	LENTDNSPSTEH
34820	Q96H79	257	ENTDNSSPSTEHS
34821	Q96H79	259	TDNSSPSTEHSQG
34822	Q96H79	263	SPSTEHSQGLEKQ
34823	Q96H79	284	EAGPLASVPAQSA
34824	Q96H79	289	ASVPAQSAKKPCP
34825	Q96HC4	32	MPLTISSLKDGGK
34826	Q96HC4	52	IGDVVLISIDGINA
34827	Q96HC4	76	IKGCTGSLNMTLQ
34828	Q96HC4	85	MTLQRASAAPKPE
34829	Q96HC4	115	ITSPAVSKVTSTN
34830	Q96HC4	137	PFGSVSSPKVTSI
34831	Q96HC4	142	SSPKVTSIPSPSS
34832	Q96HC4	145	KVTSIPSPSSAFT
34833	Q96HC4	147	TSIPSPSSAFTPA
34834	Q96HC4	148	SIPSPSSAFTPAH
34835	Q96HC4	159	AHATTSSHASPSP
34836	Q96HC4	162	TTSSHASPSPVAA
34837	Q96HC4	164	SSHASPSPVAAVT
34838	Q96HC4	195	QSPSALSAGKTAV
34839	Q96HC4	211	RQPTVT SVCSETS
34840	Q96HC4	214	TVTSVCSETSQEL
34841	Q96HC4	217	SVCSETSQELAEG
34842	Q96HC4	260	PTHSDASKRILIE
34843	Q96HC4	282	GTTQSRSFRILAQ
34844	Q96HC4	298	TEHLKESEADNTK
34845	Q96HC4	313	NNSQEPSPQLASS
34846	Q96HC4	318	PSPQLASSVASTR
34847	Q96HC4	319	SPQLASSVASTRS
34848	Q96HC4	332	MPESLDSPTSGRP
34849	Q96HC4	342	GRPGVTSLTAAA
34850	Q96HC4	354	AFKPVGSTGVIKS
34851	Q96HC4	362	GVIKSPSWQRPNQ
34852	Q96HC4	372	PNQGVPS TGRISN
34853	Q96HC4	377	PSTGRISNSATYS
34854	Q96HC4	379	TGRISNSATYSGS
34855	Q96HC4	391	SVAPANSALGQTQ
34856	Q96HC4	567	DTCFVCSVCCESL
34857	Q96HC4	572	CSVCCELEGQTF
34858	Q96HQ2	15	AVEELVSGVRQAA
34859	Q96HQ2	29	FAEQFRSYSESEK
34860	Q96HQ2	31	EQFRSYSESEKQW
34861	Q96HQ2	33	FRSYSESEKQWKA
34862	Q96HQ2	58	RDPPDGSGRLDQL
34863	Q96HQ2	66	RLDQLLSLSMVWA
34864	Q96HQ2	68	DQLLSLSMVWANH
34865	Q96HQ2	80	HLFLGCSYNKDLL
34866	Q96HQ2	108	PQFTTRSELMKKH
34867	Q96I15	17	APAPAASQPSCCG
34868	Q96I15	20	PAASQPSGCGKHN
34869	Q96I15	27	GCGKHNSPERKVV
34870	Q96I15	62	EAWGNPSSPYSG
34871	Q96I15	63	AWGNPSSPYSGR

34872	Q96I15	66	NPSSPY\$AGRKAK
34873	Q96I15	81	INAARE\$LAKMIG
34874	Q96I15	97	QDIIFT\$GGTESN
34875	Q96I15	102	TSGGTE\$NNLVIH
34876	Q96I15	109	NNLVIH\$VVKHFH
34877	Q96I15	120	FHANQT\$KGHTGG
34878	Q96I15	129	HTGGHHS\$PVKGAK
34879	Q96I15	141	KPHFITS\$VEHDS
34880	Q96I15	142	PHFITSS\$VEHDSI
34881	Q96I15	147	SSVEHDSIRLPLE
34882	Q96I15	169	VTFVPVSKVSGQA
34883	Q96I15	172	VPVSKVSGQAEVD
34884	Q96I15	210	MPVPEIS\$QRKAL
34885	Q96I15	347	KRIHLNSQFPGTQ
34886	Q96I15	362	PNTCNFSIRGPRL
34887	Q96I15	383	CRVLMASVGAACH
34888	Q96I15	390	VGAACHSDHGDQP
34889	Q96I15	397	DHGDPQS\$PVLLSY
34890	Q96I15	402	PSPVLLSYGVPDF
34891	Q96I15	417	RNALRLS\$VGRSTT
34892	Q96I15	421	RLSVGRS\$TTRAEV
34893	Q96J02	10	SGSQLGS\$MGSLTM
34894	Q96J02	18	GSLTMKS\$QLQITV
34895	Q96J02	26	LQITVIS\$AKLKEN
34896	Q96J02	40	KNWFGPS\$PYVEVT
34897	Q96J02	85	LHFRVWSHQTLKS
34898	Q96J02	136	ETIGDLS\$ICLDGL
34899	Q96J02	157	NGETTC\$ENGVSL
34900	Q96J02	162	CSENGVS\$LCPLRL
34901	Q96J02	175	ECNSAIS\$AHCNLC
34902	Q96J02	188	LPGLSDS\$PISASR
34903	Q96J02	193	DSPISAS\$RVAGFT
34904	Q96J02	208	SQNDDGS\$RSKDET
34905	Q96J02	217	KDETRVS\$TNGSDD
34906	Q96J02	242	SGNNSPS\$LSNGGF
34907	Q96J02	257	SRPPRPS\$RPPPPT
34908	Q96J02	275	SVNGSPS\$ATSESD
34909	Q96J02	280	PSATSES\$DGSSTG
34910	Q96J02	287	DGSSTGS\$LPPTNT
34911	Q96J02	312	IIPLTI\$GGSGPR
34912	Q96J02	315	LTISGG\$GPRPLN
34913	Q96J02	429	QDLFATS\$QSKEFD
34914	Q96J02	471	QWEDPRS\$QGQLNE
34915	Q96J02	514	DPRTGKS\$ALDNGP
34916	Q96J02	567	SFQQIMS\$FSPQDL
34917	Q96J02	569	QQIMSFS\$PQDLRR
34918	Q96J02	601	EWFFLLS\$HEVLNP
34919	Q96J02	628	LQINPASY\$INPDH
34920	Q96J02	679	GLKDLES\$IDPEFY
34921	Q96J02	706	DLEMYFS\$VDKEIL
34922	Q96J02	747	VAEWRLS\$RGVEEQ
34923	Q96J02	868	ENWLPRS\$HTCFNR
34924	Q96JB2	42	TDRQTD\$VLELKA
34925	Q96JB2	69	DLCSLTS\$QSLPIE
34926	Q96JB2	71	CSLTSQS\$LPIELT
34927	Q96JB2	78	LPIELT\$VVPEST
34928	Q96JB2	83	TSVVPE\$TEDILL
34929	Q96JB2	94	LLKGFT\$LGMEEE

34930	Q96JB2	150	I L N D V N S A L Q H L E
34931	Q96JB2	157	A L Q H L E S L Q K Q Y L
34932	Q96JB2	212	I N T K L N S P T L S V N
34933	Q96JB2	219	P T L S V N S D G F I P M
34934	Q96JB2	237	D C I T Y I S S H P N F K
34935	Q96JB2	238	C I T Y I S S H P N F K D
34936	Q96JB2	276	T L Q T L T S Q L L K R D
34937	Q96JB2	284	L L K R D P S S V P N A D
34938	Q96JB2	285	L K R D P S S V P N A D N
34939	Q96JB2	346	E L L L G P S I A C T V A
34940	Q96JB2	356	T V A E L T S Q N N R D H
34941	Q96JB2	368	H C A L V R S G C A F M V
34942	Q96JB2	501	M E Q I A Q S L K D E Q K
34943	Q96JB2	514	K V P S E A S F S D V H L
34944	Q96JB2	516	P S E A S F S D V H L E E
34945	Q96JB2	527	E E G E S N S L T K S G S
34946	Q96JB2	531	S N S L T K S G S T E S L
34947	Q96JB2	533	S L T K S G S T E S L N P
34948	Q96JB2	536	K S G S T E S L N P R P Q
34949	Q96JB2	586	L S Q E A L S A C I Q S L
34950	Q96JB2	598	L L G A S E S I S K N K T
34951	Q96JB2	636	F T I K E I S L D L K K T
34952	Q96JB2	663	R F F R L N S N N A L I E
34953	Q96JB2	727	A L K T M A S Q G G P K Y
34954	Q96JB2	769	V T L R S M S L Y L S N K
34955	Q96JB2	773	S M S L Y L S N K D T E F
34956	Q96JB2	816	Q I I A C P S M E Q L S L
34957	Q96KP4	30	K W V A I Q S V S A W P E
34958	Q96KP4	32	V A I Q S V S A W P E K R
34959	Q96KP4	58	V K Q L G G S V E L V D I
34960	Q96KP4	73	Q K L P D G S E I P L P P
34961	Q96KP4	87	L L G R L G S D P Q K K T
34962	Q96KP4	113	L E D G W D S E P F T L V
34963	Q96KP4	130	K L Y G R G S T D D K G P
34964	Q96KP4	168	L E G M E E S G S E G L D
34965	Q96KP4	170	G M E E S G S E G L D E L
34966	Q96KP4	194	V D Y V C I S D N Y W L G
34967	Q96KP4	223	F I E V E C S N K D L H S
34968	Q96KP4	229	S N K D L H S G V Y G G S
34969	Q96KP4	235	S G V Y G G S V H E A M T
34970	Q96KP4	249	L I L L M G S L V D K R G
34971	Q96KP4	299	A Q I L L H S H K K D I L
34972	Q96KP4	313	H R W R Y P S L S L H G I
34973	Q96KP4	315	W R Y P S L S L H G I E G
34974	Q96KP4	324	G I E G A F S G S G A K T
34975	Q96KP4	326	E G A F S G S G A K T V I
34976	Q96KP4	341	K V V G K F S I R L V P N
34977	Q96KP4	359	V G E Q V T S Y L T K K F
34978	Q96KP4	370	K F A E L R S P N E F K V
34979	Q96KP4	387	G G K P W V S D F S H P H
34980	Q96KP4	390	P W V S D F S H P H Y L A
34981	Q96KP4	417	L T R E G G S I P V T L T
34982	Q96KP4	439	M L L P V G S A D D G A H
34983	Q96KP4	446	A D D G A H S Q N E K L N
34984	Q96KQ7	58	P K A T P D S L E P A G P
34985	Q96KQ7	65	L E P A G P S S P A S V T
34986	Q96KQ7	119	T K S F P S S P S K G G S
34987	Q96KQ7	125	S P S K G G S C P S R A K

34988	Q96KQ7	143	AGKSPPSVQSLAM
34989	Q96KQ7	165	GAAAAGSEPPPAT
34990	Q96KQ7	211	IQHFRMSDDVHSL
34991	Q96KQ7	216	MSDDVHSLGKVTS
34992	Q96KQ7	232	KRRKLNSGGLSE
34993	Q96KQ7	242	LSEELGSARRSGE
34994	Q96KQ7	246	LGSARRSGEVTLT
34995	Q96KQ7	258	TKGDPGSLEEWET
34996	Q96KQ7	271	VVGDDFSLYYDSY
34997	Q96KQ7	278	LYYDSYSVDERVD
34998	Q96KQ7	350	KKWRKDSPWVKPS
34999	Q96KQ7	356	SPWVKPSRKRRKR
35000	Q96KQ7	391	MEVPLGSLELPSE
35001	Q96KQ7	451	KCMATESVDGELS
35002	Q96KQ7	472	RETMRPSRVALM
35003	Q96KQ7	541	HCGEDASEAQEV
35004	Q96KQ7	582	ADTSQPSARMRGH
35005	Q96KQ7	605	LADTIDSGPSLT
35006	Q96KQ7	606	ADTIDSSGPSLT
35007	Q96KQ7	619	PNGGCLSAVGLPL
35008	Q96KQ7	641	ALVIQESERRKKL
35009	Q96KQ7	697	AAAQKGVEICHV
35010	Q96KQ7	830	WASFTGSAIAEV
35011	Q96KQ7	872	CVLLFLSRGANPE
35012	Q96KQ7	895	DLTPERSDVWFAL
35013	Q96KQ7	954	EDYKYISENCETS
35014	Q96KQ7	991	CLCGQLSIRCWYD
35015	Q96KQ7	1073	YVGELISDAEADV
35016	Q96KQ7	1140	PRIAFFSSRDIRT
35017	Q96L34	15	PGNDRNSDTHGTL
35018	Q96L34	27	LGSGRSSDKGPSW
35019	Q96L34	34	DKGPSWSRSRLGA
35020	Q96L34	37	PSWSSRSLGARCR
35021	Q96L34	98	KTQLNPSSLQKLF
35022	Q96L34	99	TQLNPSSLQKLF
35023	Q96L34	149	VFDYLVSHGRMKE
35024	Q96L34	167	KFRQIVSAVHYCH
35025	Q96L34	218	LDTFCGSPPYAAP
35026	Q96L34	251	ILYTLVSGSLPFD
35027	Q96L34	253	YTLVSGSLPDFGH
35028	Q96L34	280	RVPFYMSTDCESI
35029	Q96L34	354	IKESLTSQKYNEV
35030	Q96L34	400	TNGTSSSKGTSHS
35031	Q96L34	406	SKGTSHSKGQRSS
35032	Q96L34	413	KGQRSSSTYHRQ
35033	Q96L34	464	SCSTAGSGSRGLP
35034	Q96L34	466	STAGSGSRGLPPS
35035	Q96L34	473	RGLPPSSPMVSSA
35036	Q96L34	478	SSPMVSSAHNPNK
35037	Q96L34	494	PERRKDSTSTPN
35038	Q96L34	496	RRKDSTSPTNNLP
35039	Q96L34	504	PNNLPPSMMTRRN
35040	Q96L34	524	PGAERPSLLPNGK
35041	Q96L34	533	PNGKENSSGTPRV
35042	Q96L34	534	NGKENSSGTPRVP
35043	Q96L34	543	PRVPPASPSSHSL
35044	Q96L34	545	VPPASPSSHLAP
35045	Q96L34	553	HSLAPPSGERSRL

35046	Q96L34	567	RGSTI R STFHGGQ
35047	Q96L34	661	LLRFPWSVKLTSS
35048	Q96L34	666	WSVKL T SRPPEA
35049	Q96L34	710	GGPEPL S HFEVEV
35050	Q96LA8	11	KKRKLE S GGGEG
35051	Q96LA8	52	LYYECYS D VSVHE
35052	Q96LA8	55	ECYSD V SVHEEMI
35053	Q96LA8	97	AGTGILS I FCQA
35054	Q96LA8	114	VYAVEAS A IWQQA
35055	Q96LA8	154	QVDAIV S EWMGYG
35056	Q96LA8	165	YGLLHE S MLSSVL
35057	Q96LA8	168	LHESML S SVLHAR
35058	Q96LA8	169	HESML S SVLHART
35059	Q96LA8	188	GLLLPASAELFIA
35060	Q96LA8	197	LFIAP I S DQMLEW
35061	Q96LA8	209	WRLGFWS Q VKQHY
35062	Q96LA8	220	HYGVDM S CLEGFA
35063	Q96LA8	234	RCLMGH S EIVVQG
35064	Q96LA8	242	IVVQGLS G EDVLA
35065	Q96LA8	259	FAQLE L S RAGLEQ
35066	Q96LA8	278	GRFRCS C YGSAP
35067	Q96LA8	282	RCSCYGS A PMHGF
35068	Q96LA8	301	TFPGGE S EKPLVL
35069	Q96LA8	308	EKPLVL S TSPFHP
35070	Q96LA8	310	PLVLST S PFHPAT
35071	Q96LA8	338	EQDTD V S GEITLL
35072	Q96LA8	346	EITLLPS R DNPRR
35073	Q96LC7	8	LLPLLLS S LLGGS
35074	Q96LC7	9	LPLLLS S LLGGSQ
35075	Q96LC7	14	SSLLGGS Q AMDGR
35076	Q96LC7	28	WIRVQ E S VMPEG
35077	Q96LC7	42	CISVPC S FSYPRQ
35078	Q96LC7	44	SVPCSF S YPRQDW
35079	Q96LC7	85	SREVEM S TRGRFQ
35080	Q96LC7	102	PAKGNC S L VIRDA
35081	Q96LC7	220	TCHVDF S RKGVSA
35082	Q96LC7	225	FSRKG V SAQRTVR
35083	Q96LC7	244	PRDLV I S ISRDNT
35084	Q96LC7	331	AENRL G S QQRALD
35085	Q96LC7	339	QRALD L S VQYPPE
35086	Q96LC7	367	NLGNGT S LPVLEG
35087	Q96LC7	375	PVLEGQS L CLVCV
35088	Q96LC7	385	VCVTH H SSPPARLS
35089	Q96LC7	391	SPPARL S WTQRGQ
35090	Q96LC7	405	LSPSQPS D PGVLE
35091	Q96LC7	433	ARHPL G S QHVSL
35092	Q96LC7	465	GLHCSC S S QASPA
35093	Q96LC7	469	SCSSQ A S PAPSLR
35094	Q96LC7	488	LLEGNS S QDSFEV
35095	Q96LC7	491	GNSSQ D S FEVTPS
35096	Q96LC7	497	SFEVTP S AGPWA
35097	Q96LC7	506	GPWANSS L SLHGG
35098	Q96LC7	515	LHGGL S GLRLRC
35099	Q96LC7	549	LISTAF S NGAFLG
35100	Q96LC7	589	TPRPRF S RHSTIL
35101	Q96LC7	592	PRFSRH S TILDYI
35102	Q96LC7	619	QKATPN S PRTPLP
35103	Q96LC7	630	LPPGAPS P E SKKN

35104	Q96LC7	645	KQYQLPSFPEPKS
35105	Q96LC7	652	FPEPKSSSTQAPES
35106	Q96P11	16	VLAGVESRQGSIK
35107	Q96P11	20	VESRQGSIKGLVY
35108	Q96P11	27	IKGLVYSSNFQNV
35109	Q96P11	28	KGLVYSSNFQNVK
35110	Q96P11	47	CETQRYSAVLDAV
35111	Q96P11	56	LDAVIASAGLLRA
35112	Q96P11	116	KVHRGVSRNEDLL
35113	Q96P11	126	DLLEVGSRPGPAS
35114	Q96P11	132	SRPGPASQLPRFV
35115	Q96P11	147	NTLKTCSDDVVDY
35116	Q96P11	160	FKRQGFSYQGRAS
35117	Q96P11	166	SYQGRASSLDDLRL
35118	Q96P11	167	YQGRASSLDDLRA
35119	Q96P11	215	ILQDRASCLPAML
35120	Q96P11	228	LDPPPGSHVIDAC
35121	Q96P11	242	APGNKTSHLAALL
35122	Q96P11	266	DAKRLASMATLLA
35123	Q96P11	277	LARAGVSCCELAE
35124	Q96P11	290	EDFLAVSPSDPRY
35125	Q96P11	292	FLAVSPSDPRYHE
35126	Q96P11	307	YILLDPSCSGSGM
35127	Q96P11	309	LLDPSCSGSGMP
35128	Q96P11	311	DPSCSGSMPSRQ
35129	Q96P11	315	SGSGMPSRQLEEP
35130	Q96P11	327	PGAGTPSPVRLHA
35131	Q96P11	350	HALTFPSLQRLVY
35132	Q96P11	357	LQRLVYSTCSDLQ
35133	Q96P11	360	LVYSTCSLCQEEN
35134	Q96P11	396	WPHRGLSTFPGAE
35135	Q96P11	408	EHCLRASPETTLS
35136	Q96P11	414	SPETTLSGGFFVA
35137	Q96P11	415	PETTLSSGGFFVAV
35138	Q96P16	14	ALEKKLSELSNSQ
35139	Q96P16	17	KKLSELSNSQQSV
35140	Q96P16	19	LSELSNSQQSVQT
35141	Q96P16	22	LSNSQQSVQTL
35142	Q96P16	27	QSVQTLSLWLHH
35143	Q96P16	37	IHHRKHSRPIVT
35144	Q96P16	70	NDVIQNSKRKGPE
35145	Q96P16	93	EAFKHVSSETDES
35146	Q96P16	94	AFKHVSSETDESC
35147	Q96P16	99	SSETDESCKHLG
35148	Q96P16	109	HLGRVLSSIWEERS
35149	Q96P16	115	SIWEERSVYENDV
35150	Q96P16	152	DENENCSSLGSPS
35151	Q96P16	153	ENENCSSLGPSE
35152	Q96P16	156	NCSSLGSPSEPPQ
35153	Q96P16	158	SSLGSPSEPPQTL
35154	Q96P16	178	DLENAASGDAAVH
35155	Q96P16	189	VHQRIASLPVEVQ
35156	Q96P16	198	VEVQEVSLLDKIT
35157	Q96P16	208	KITDKESEGERLSK
35158	Q96P16	213	ESGERLSKMVEDA
35159	Q96P16	273	RKLARVS LVRKEL
35160	Q96P16	281	VRKELRSRIQSLP
35161	Q96P16	285	LRSRIQSLPDLSR

35162	Q96P16	290	QSLPDLSRLPNVT
35163	Q96P16	298	LPNVTGSHMHLF
35164	Q96P70	34	TLTGILSPVQEVR
35165	Q96P70	78	AIRQLASVILKQY
35166	Q96P70	120	PNGLRESISKVRS
35167	Q96P70	127	ISKVRSSVAYAVS
35168	Q96P70	209	YGIRTRSRAVEIF
35169	Q96P70	285	FPKHMVSMMQQIL
35170	Q96P70	286	PKHMVSSMQQILP
35171	Q96P70	301	WNTLTEAAFYVR
35172	Q96P70	322	VEDPVDSDGEVLG
35173	Q96P70	347	HALLENSKFKSTV
35174	Q96P70	417	TDFQNESAAALAA
35175	Q96P70	456	CMLALGSVKAIIT
35176	Q96P70	464	KAIITDSVKNGRI
35177	Q96P70	503	RALWAASRFTVAM
35178	Q96P70	510	RFTVAMSPELIQQ
35179	Q96P70	523	FLQATVSGLHETQ
35180	Q96P70	551	CDQLKVSESTHVL
35181	Q96P70	600	DPEFTASMESKIC
35182	Q96P70	617	AIFLKYSNDPVVA
35183	Q96P70	624	NDPVVASLAQDIF
35184	Q96P70	634	DIFKELSQIEACQ
35185	Q96P70	722	CLRAYVSVTLEQV
35186	Q96P70	804	TLSVMQSLIMVFA
35187	Q96P70	826	LLEFLCSLPGPTG
35188	Q96P70	845	VMAEWTSRQHLFY
35189	Q96P70	859	QYEGKVSVALCK
35190	Q96P70	860	YEGKVSVALCKL
35191	Q96P70	899	EGIRTRSKAKNP
35192	Q96P70	926	LIINELSNVMEAN
35193	Q96P70	943	ATPAEWSQDDSDN
35194	Q96P70	947	EWSQDDSNMWED
35195	Q96P70	971	LAGQLLSDILATS
35196	Q96P70	1025	PCYIMFSGHLNDN
35197	Q96PD5	16	LGLLLWSDPGTAS
35198	Q96PD5	29	LPLLMDSVIQALA
35199	Q96PD5	51	KTRHTASAWLMSA
35200	Q96PD5	56	ASAWLMSAPNSGP
35201	Q96PD5	60	LMSAPNSGPHNRL
35202	Q96PD5	87	LDPCPLSPELLGL
35203	Q96PD5	117	VLAPDGSTVAVEP
35204	Q96PD5	144	INLPLDSMAAPWE
35205	Q96PD5	169	PDVRATSPPGLRD
35206	Q96PD5	202	CPDVQASLPDAKA
35207	Q96PD5	210	PDAKAKSPPTMVD
35208	Q96PD5	217	PPTMVDSSLAVTL
35209	Q96PD5	235	LTFLRGSQTQSHP
35210	Q96PD5	253	GCWDQLSAPRTFT
35211	Q96PD5	266	LLDPKASLLTMAF
35212	Q96PD5	287	ILGDYLSRTPEPR
35213	Q96PD5	295	TPEPRPSLSHLLS
35214	Q96PD5	297	EPRPSLSSHLLSQY
35215	Q96PD5	301	SLSHLLSQYYGAG
35216	Q96PD5	316	RDPGFRSNFRRQN
35217	Q96PD5	328	NGAALTSAASILAQ
35218	Q96PD5	330	AALTSAISLAQQV
35219	Q96PD5	357	LQLQCMSQEQLAQ

35220	Q96PD5	431	CAANMRS M QRYHQ
35221	Q96PD5	448	WGDIGYS F VVGSD
35222	Q96PD5	453	YSFVVGS D GYVYE
35223	Q96PD5	475	HTLGHNS R GFGVA
35224	Q96PD5	505	VRDTLP S CAVRAG
35225	Q96PD5	556	KPRPARS V SKRSR
35226	Q96PD5	558	RPARSV S KRSRRE
35227	Q96PD5	561	RSVSKRS R REPPP
35228	Q96PU5	13	EPVYGL S EDEGES
35229	Q96PU5	28	LRVKVVS G IDLAK
35230	Q96PU5	41	KDIFGAS D PYVKL
35231	Q96PU5	85	YFRVNPS N HRLLF
35232	Q96PU5	137	FLLRPRS H KSRVK
35233	Q96PU5	140	RPRSHKS R VKGFL
35234	Q96PU5	164	GQDEENS D QRDDM
35235	Q96PU5	179	GWEVVD S NDSASQ
35236	Q96PU5	184	DSNDSAS Q HQEEL
35237	Q96PU5	251	AHRRFRS R RHISE
35238	Q96PU5	297	LPPPPAS P GSRTS
35239	Q96PU5	308	TSPQEL S EELSRR
35240	Q96PU5	321	LQITPDS N GEQFS
35241	Q96PU5	328	NGEQFSSL I QREP
35242	Q96PU5	336	IQREPSS R LRSCS
35243	Q96PU5	340	PSSRLRS C SVTDA
35244	Q96PU5	377	GEEPTPS V AYVHT
35245	Q96PU5	389	TTPGLPS G WEERK
35246	Q96PU5	455	SPTVTL S APLEGA
35247	Q96PU5	475	AVKDTLSNPQSPQ
35248	Q96PU5	538	FPVHMRS K TSLNP
35249	Q96PU5	541	HMRSKTS L NPNDL
35250	Q96PU5	594	GPAVPYS R EFKQK
35251	Q96PU5	672	EWFFLLS K EMFNP
35252	Q96PU5	686	YGLFEYS S ATDNYT
35253	Q96PU5	708	CNEDHLS Y FTFIG
35254	Q96PU5	754	DMESVD S EYYNSL
35255	Q96PU5	795	DLKPNG S EIMVTN
35256	Q96PU5	906	QFVTGTS R VPMNG
35257	Q96PU5	919	FAELYGSNGPQLF
35258	Q96PU5	932	TIEQWGS P EKLPR
35259	Q96PU8	29	NDKKLMS S LPNFC
35260	Q96PU8	30	DKKLMSS S LPNFCG
35261	Q96PU8	50	LLDEEIS R VRKDM
35262	Q96PU8	64	NDTLNGS T EKRSA
35263	Q96PU8	69	GSTEKRS A ELPDA
35264	Q96PU8	128	MVRGKGS M RDKKK
35265	Q96PU8	188	AAEGEDS L KKMQL
35266	Q96PU8	211	RDANI K S P ALAFS
35267	Q96PU8	217	SPALAFS L AATAQ
35268	Q96PU8	299	TLAPATS I LEYPI
35269	Q96PU8	308	EYPIEPS G VLGAV
35270	Q96Q83	20	WAAPVKS Q AIAQP
35271	Q96Q83	32	PATTAKS H LHQKP
35272	Q96Q83	50	NKEHHL S DREFVF
35273	Q96Q83	81	EGVYEIS L SPTGV
35274	Q96Q83	83	VYEISLS P TVGVR
35275	Q96Q83	88	LSPTGV S RVCLYP
35276	Q96Q83	144	ELPYTY S RTMEP
35277	Q96Q83	175	TGHTFNS L LCNL

35278	Q96Q83	187	YRNEKD S VDWHSD
35279	Q96Q83	192	DSVDWHS D DEPSL
35280	Q96Q83	197	HSDDEPS L GRCPI
35281	Q96Q83	206	RCPIIAS L SGAT
35282	Q96Q83	208	PIIAS L FGATRT
35283	Q96Q83	265	VPKEYHS R PRVN
35284	Q96Q89	52	PNTEANS F EFSKYD
35285	Q96Q89	55	EANSFES K DYLQV
35286	Q96Q89	102	CILGRL S EKSSGQ
35287	Q96Q89	114	QMAQKFS F SKVFG
35288	Q96Q89	156	TYGLTNS G KTYTF
35289	Q96Q89	182	LNVLFDS L QERLY
35290	Q96Q89	206	EYLRLS S QEKEE
35291	Q96Q89	215	EKEEIA S KSALLR
35292	Q96Q89	232	VTVHND S DDTLYG
35293	Q96Q89	243	YGSLTNS L NISEF
35294	Q96Q89	247	TNSLN I SEFEESI
35295	Q96Q89	270	ANSIKFS V WVSFF
35296	Q96Q89	365	ILQIED S EMSRVI
35297	Q96Q89	406	TGNINT S LLTLGK
35298	Q96Q89	423	LKNSEK S KFQQHV
35299	Q96Q89	473	LNVLKFS A IAQKV
35300	Q96Q89	488	PDTLN S QEKLFG
35301	Q96Q89	803	NDKADT S SLIINN
35302	Q96Q89	825	VPKDSK S KICSER
35303	Q96Q89	864	TEDQKK S EEVRPN
35304	Q96Q89	952	ELHVQK S KNQEQE
35305	Q96Q89	965	EKIMKLS N EIETA
35306	Q96Q89	1180	KVECSH S AKLEQD
35307	Q96Q89	1267	KEELSAS S ARTQN
35308	Q96Q89	1331	KKKNQCS Q ELDMK
35309	Q96Q89	1539	LKALISS N VQKDN
35310	Q96Q89	1558	RIISET S KIETQI
35311	Q96Q89	1685	NLKFP I SDDRNSS
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35313	Q96Q89	1691	SDDRNS S VKKEQK
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35315	Q96Q89	1740	GDFLQH S PSILQS
35316	Q96Q89	1805	DQKM K E S DHQIIK
35317	Q96R06	12	KLSL S LPSPQTG
35318	Q96R06	47	KRSPAC S SLTPSL
35319	Q96R06	79	NKRTDL S SEHFSh
35320	Q96R06	80	KRTDL S SEHFShs
35321	Q96R06	84	LSSEHF S HSSKWL
35322	Q96R06	157	TMAETNS I SLNGP
35323	Q96R06	222	CSKESL S SRTEAV
35324	Q96R06	223	SKESL S SRTEAVR
35325	Q96R06	243	SNAFLP S SVLWLS
35326	Q96R06	299	DQALV S SEDILS
35327	Q96R06	338	LGSDTE S WMSPLA
35328	Q96R06	353	EKGVN T SVMLENL
35329	Q96R06	430	PDLTAL S RHDLED
35330	Q96R06	469	HPETQD S STQTDt
35331	Q96R06	470	PETQD S STQTDTS
35332	Q96R06	506	ARNVM Q S W VLI SK
35333	Q96R06	533	EDKTTV S QESRRA
35334	Q96R06	605	LEQDL A MREFRG
35335	Q96R06	662	TALLSR S RQLTEK

35336	Q96R06	698	RVLEQVSAQLEEC
35337	Q96R06	734	ILANMDSQLKELQ
35338	Q96R06	871	EKTRQYSQKLGLL
35339	Q96R06	883	LTEQLQS LTFLFQ
35340	Q96R06	957	RVASMVS LQPAET
35341	Q96R06	982	MTTELQS LCSLLQ
35342	Q96R06	985	ELQSLCS LLQESK
35343	Q96R06	990	CSLLQES KEEAIR
35344	Q96R06	1062	LEQIDKS GELISL
35345	Q96R06	1099	LAGQLDS NCQPMA
35346	Q96R06	1154	EENLRRSDKELEK
35347	Q96R06	1174	IYKTLLS IPEVVR
35348	Q96RG2	38	QTTAEPS RSRFSSA
35349	Q96RG2	55	SRRNGLS RLCQSR
35350	Q96RG2	65	QSRTAL SEDRWSS
35351	Q96RG2	70	LSEDRWSS YCLSS
35352	Q96RG2	71	SEDRWSS YCLSSL
35353	Q96RG2	76	SSYCLSS LAAQNI
35354	Q96RG2	99	PEHTDPSE PRGSV
35355	Q96RG2	104	PSEPRGS VSCCCSL
35356	Q96RG2	116	LLRGLSS GWSSPL
35357	Q96RG2	214	GEKIPVS VWMKRM
35358	Q96RG2	255	TVTSCD S LFAHLH
35359	Q96RG2	280	ITDLIPS VQLPPS
35360	Q96RG2	338	VSGYRAS VWVFCT
35361	Q96RG2	390	LIPGFY SYMDLAY
35362	Q96RG2	533	QDLLGE SRSEPVD
35363	Q96RG2	560	PAEDGGS DAGMCG
35364	Q96RG2	615	HCPCYG SEWGLWW
35365	Q96RG2	629	SQDLAPS PSGMAG
35366	Q96RG2	713	GCTGSSS ACYALA
35367	Q96RG2	738	QEVDVNS FSWNLK
35368	Q96RG2	756	DQTDQT S SNCSCA
35369	Q96RG2	771	ELRETPSS SLAVGS
35370	Q96RG2	772	LRETPSS SLAVGSD
35371	Q96RG2	777	SSLAVGS DPDVGS
35372	Q96RG2	789	SLQEQQG SCVLDDR
35373	Q96RG2	832	LEVCLVS SEHYAA
35374	Q96RG2	833	EVCLVS SEHYAAS
35375	Q96RG2	839	SEHYAAS DRESPG
35376	Q96RG2	895	I QEGAY SGSCYHR
35377	Q96RG2	996	ACEGEYS SQKYSTM
35378	Q96RG2	1057	LEIAILS RVEHAN
35379	Q96RG2	1149	KLIDFGS AAYLER
35380	Q96RG2	1226	VSKELMS LVSGLL
35381	Q96RI1	15	ENPIQIS PHCSCT
35382	Q96RI1	19	QISP HCS CTPSGF
35383	Q96RI1	23	HCSCTPS GFFMEM
35384	Q96RI1	31	FFMEMMS MKPAKG
35385	Q96RI1	57	LEVEPY S QYSNVQ
35386	Q96RI1	60	EPYSQY S NVQFPQ
35387	Q96RI1	72	QVQPQI S SSSYYYS
35388	Q96RI1	73	VQPQI S SSSYYSN
35389	Q96RI1	74	QPQI S SSSYYSNL
35390	Q96RI1	75	PQI S SSSYYSNLG
35391	Q96RI1	78	SSSSYY S NLGFYP
35392	Q96RI1	92	QPEEWY S PGIYEL
35393	Q96RI1	127	KPRMGA S AGRIKG

35394	Q96RI1	145	VCGDRASGYHYNA
35395	Q96RI1	164	KGFFRRSITKNAV
35396	Q96RI1	219	TEIQCKSKRLRKN
35397	Q96RI1	238	QTVNEDSEGRDLR
35398	Q96RI1	248	DLRQVTSSTTKSCR
35399	Q96RI1	252	VTSTTKSCREKTE
35400	Q96RI1	273	LHFIMDSYNKQRM
35401	Q96RI1	293	ILKEEFSAEENFL
35402	Q96RI1	337	IALLKGSAVEAMF
35403	Q96RI1	346	EAMFLRSAEIFNK
35404	Q96RI1	356	FNKKLPSGHSDLL
35405	Q96RI1	359	KLPSGHSDLLEER
35406	Q96RI1	369	EERIRNSGISDEY
35407	Q96RI1	372	IRNSGISDEYITP
35408	Q96RI1	381	YITPMFSFYKSIG
35409	Q96RI1	385	MFSFYKSIGELKM
35410	Q96RI1	406	TAIVILSPDRQYI
35411	Q96RI1	467	HAEMLMSWRVNDH
35412	Q96RL1	12	KKVKEVSESRNLE
35413	Q96RL1	92	ALALKMSEQEARE
35414	Q96RL1	120	IAESLNSCRPSDA
35415	Q96RL1	124	LNSCRPSDASATR
35416	Q96RL1	139	PLATGPSSQSHQE
35417	Q96RL1	163	WQLVPPSLFKGSH
35418	Q96RL1	168	PSLFKGSHISQGN
35419	Q96RL1	171	FKGSHISQGNEAE
35420	Q96RL1	195	TEEEPVS GSSGSW
35421	Q96RL1	204	SGSWDQSSQPVFE
35422	Q96RL1	250	LKAVQGSGDTSRH
35423	Q96RL1	330	VLPRPPSLIQNEC
35424	Q96RL1	371	RASDWHSKTDFQ
35425	Q96RL1	379	TKDFQESSIKSLK
35426	Q96RL1	421	SVPASQSVAAULTS
35427	Q96RL1	430	ALTSKRSLVLMPE
35428	Q96RL1	437	LVLMPESAEEIT
35429	Q96RL1	438	VLMPESSAAEITV
35430	Q96RL1	453	ETQLSSSETFDLE
35431	Q96RL1	463	DLEREVSPGSRDI
35432	Q96RL1	466	REVSPGSRDILDG
35433	Q96RL1	495	EKEVAISTFSSSN
35434	Q96RL1	498	VAISTFSSSNQVS
35435	Q96RL1	499	AISTFSSSNQVSC
35436	Q96RL1	554	GTAAQTSLDIDKN
35437	Q96RL1	602	GSGRACSTVEGKW
35438	Q96RL1	644	DADIKSSETGAFR
35439	Q96RL1	662	MEEAGCSREMQSS
35440	Q96RL1	668	SREMQSSFTRRDL
35441	Q96RL1	681	NESPVKSFVISE
35442	Q96RL1	705	VTVQPGSRTRTKA
35443	Q96RU2	19	AADGHGSQCMLL
35444	Q96RU2	20	ADGHGSSQCMLLN
35445	Q96RU2	81	PSEVEGSAANKEV
35446	Q96RU2	179	FSAVIQSLFQLPE
35447	Q96RU2	192	FRRRLVLSYSLPQN
35448	Q96RU2	205	VLENCRSHTEKRN
35449	Q96RU2	228	FALMMGSNRKFVD
35450	Q96RU2	257	EQQQDVSEFTHKL
35451	Q96RU2	401	DRYMYRSKELIRN

35452	Q96RU2	460	TKPASESCPESD
35453	Q96RU2	465	ESCPPESDTHMTL
35454	Q96RU2	475	MTLPLSSVHCSV
35455	Q96RU2	481	SVHCSVSDQTSKE
35456	Q96RU2	485	SVSDQTSKESTST
35457	Q96RU2	488	DQTSKESTTESS
35458	Q96RU2	493	ESTSTESSSQDVE
35459	Q96RU2	494	STSTESSSQDVE
35460	Q96RU2	520	PLTSSRSMEMPS
35461	Q96RU2	526	SSMEMPSQPAPRT
35462	Q96RU2	550	CLQRWRSEIEQDI
35463	Q96RU2	633	EEVERDSYGGLRN
35464	Q96RU2	668	TESDQMSEVEALS
35465	Q96RU2	708	KIPQMESSTNSSL
35466	Q96RU2	736	GVRCCLSSEHAVIV
35467	Q96RU2	821	ETPTSHSDPRLQH
35468	Q96RU2	856	FADKNLSYDERSI
35469	Q96RU2	943	RRGVKESVIALYR
35470	Q96RU2	962	LNAKAASLFETND
35471	Q96RU2	1053	PTIRPNSPYDLCS
35472	Q96RU2	1059	SPYDLCSRFAAVM
35473	Q96RU2	1067	FAAVMESIQGVST
35474	Q96S19	36	RVLEVASSGSGQHA
35475	Q96S19	38	LEVASGSGQHAAH
35476	Q96S19	57	LAEWQPSDVDQRC
35477	Q96S19	66	DQRCLDSIAATTQ
35478	Q96S19	101	GGILPQLLDLLLC
35479	Q96S19	114	INMAHVSPLRCTE
35480	Q96S19	149	AINGKISPQSNVD
35481	Q96S19	152	GKISPQSNVDFDL
35482	Q96S19	182	EDLGKASGLLER
35483	Q96SB4	26	DKAQRKSETQHRG
35484	Q96SB4	37	RGSAPHSESSDLPE
35485	Q96SB4	39	SAPHSESDLPEQE
35486	Q96SB4	92	LGWGHFSTVWLW
35487	Q96SB4	97	FSTVWLSDIQQK
35488	Q96SB4	130	EIRLLKSVRNSDP
35489	Q96SB4	134	LKSVRNSDPNDPN
35490	Q96SB4	222	PENILLSVNEQYI
35491	Q96SB4	241	ATEWQRSGAPPSS
35492	Q96SB4	249	APPPSGSAVSTAP
35493	Q96SB4	252	PSGSAVSTAPQPK
35494	Q96SB4	264	KPADKMSKNKKKK
35495	Q96SB4	333	QEKLEESSTIGQD
35496	Q96SB4	334	EKLEESSSTIGQDQ
35497	Q96SB4	369	INYTQNSNNETLR
35498	Q96SB4	396	NLNQESSFLSSQN
35499	Q96SB4	405	SSQNGDSTSQET
35500	Q96SB4	406	SQNGDSTSQETD
35501	Q96SB4	408	NGDSSTSQETDSC
35502	Q96SB4	413	TSQETDSCPITS
35503	Q96SB4	429	DTMVCQSSSTVGQ
35504	Q96SB4	430	TMVCQSSSTVGQS
35505	Q96SB4	436	SSTVGQSFSEQHI
35506	Q96SB4	438	TVGQSFSEQHISQ
35507	Q96SB4	443	FSEQHISQLQESI
35508	Q96SB4	448	ISQLQESIRAEIP
35509	Q96SB4	473	LDNKGSSTAGNFL

35510	Q96SB4	519	QTROQYRSLEVLIG
35511	Q96SB4	526	LEV LIGS GYNTPA
35512	Q96SB4	536	TPADIWS TACMAF
35513	Q96SB4	619	VEKYEWS QEEAAG
35514	Q96SD1	15	AEYPTIS IDRFDR
35515	Q96SD1	84	WKKRIIS IEIETP
35516	Q96SD1	100	SLVDEAS GEKEEI
35517	Q96SD1	161	RVKDIQS VYLDTT
35518	Q96SD1	184	SREECLS GVLELV
35519	Q96SD1	192	VLELVR S WITRSP
35520	Q96SD1	197	RSWITR S PYHVVW
35521	Q96SD1	220	YLFTNL S EELGVQ
35522	Q96SD1	268	E EYFQWS KLPCGI
35523	Q96SD1	298	MWFGER S RKTNVI
35524	Q96SD1	310	IVRTGE S SYRACF
35525	Q96SD1	317	SYRACFS FHSSYS
35526	Q96SD1	320	ACFSFH S SYSEIK
35527	Q96SD1	330	EIKDFL S YLCPVN
35528	Q96SD1	364	LCRSSQS TEPKYK
35529	Q96SD1	444	AECMQSS RFTNFV
35530	Q96SD1	459	EESNSE SEEVG I
35531	Q96SD1	475	LQGDLGS V HLQK
35532	Q96SD1	518	VAGGSQS P KLFSD
35533	Q96SD1	525	PKLFSD S DGESTH
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35535	Q96SD1	534	ESTHIS S QNSSQS
35536	Q96SD1	538	ISSQNNS S QSTHIT
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35538	Q96SD1	562	DTVLLSS Q ERNSG
35539	Q96SD1	567	SSQERN S GDITSL
35540	Q96SD1	603	CPKDTY S DLKSRD
35541	Q96SD1	617	DVTIVP S TGEPTT
35542	Q96SD1	626	EPTTLS S ETHIPE
35543	Q96SD1	635	HIPEEK S LLNLST
35544	Q96SD1	655	SDFEVP S TPEAEL
35545	Q96T51	42	FEIVDRSQLPGPG
35546	Q96T51	52	GPGDLRS A TRPRA
35547	Q96T51	63	RAAEGWS A PILTL
35548	Q96T51	80	TGNLSASCGSALR
35549	Q96T51	83	LSASC G SA L RAAA
35550	Q96T51	96	GLGGGDS G DGTAR
35551	Q96T51	105	GTARAAS K CQMME
35552	Q96T51	123	MHMMKLS I KVLLQ
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35554	Q96T51	137	ALSLGR S LDADHA
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35556	Q96T51	235	DNKHLL S E F YEPE
35557	Q96T51	275	KGEDLDS Q VGVID
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35560	Q96T51	352	ATDRIC S LQEEQQ
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35562	Q96T51	476	AQNAESS L QQKNE
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35564	Q96T51	508	EERLQHS E RARQG
35565	Q96T51	538	ALQLQLSQLHEQC
35566	Q96T51	545	QLHEQC S LEKEL
35567	Q96T51	546	LHEQC S LEKELK

35568	Q96T51	553	LEKELK S EKEQRQ
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35570	Q96T51	573	HEKDT S SLLRMEL
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35572	Q96T51	620	GLHLS S QSKLMED
35573	Q96T51	658	EKEFS I SRRKHHC
35574	Q96T51	676	IFCNT C SNELAL
35575	Q96T51	677	FCNT C SNELALP
35576	Q96T51	684	NELALP S YPKPVR
35577	Q96T51	694	PVRVCDS C HTLLL
35578	Q96T88	20	HTVDSL S RLTKE
35579	Q96T88	82	SLVLPH S TKERDS
35580	Q96T88	102	GCCLGQ S ESDKSS
35581	Q96T88	119	AAAETD S RPADED
35582	Q96T88	165	VTRKAPS R DEPCS
35583	Q96T88	171	SRDEPC S STS RPA
35584	Q96T88	172	RDEPC S STS RPAL
35585	Q96T88	174	EPCSST S RPALEE
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35587	Q96T88	244	WYDAE I SRKRETR
35588	Q96T88	265	VVLGDD S LND CRI
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35601	Q96T88	661	GPSRAGS P RRTSK
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35604	Q96T88	700	WNEVLAS L KDRPA
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35607	Q96T88	758	FRAQVF S CPACRY
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35620	Q96TA1	355	ALMVPTS Q GFTEV
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35622	Q96TA1	404	HPLKM Q S C YEKME
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35638	Q96TA1	727	EQVSSP S SHPALH
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35664	Q99259	383	GGGLLM S RKHRHK
35665	Q99259	398	GIERAN S VTWNPH
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36391	Q9BQ15	129	KAVQND S NPSASQ
36392	Q9BQ15	132	QNDSNP S ASQPTT
36393	Q9BQ15	134	DSNPSA S QPTTGP
36394	Q9BQ15	141	QPTTGP S AASPAS
36395	Q9BQ15	144	TGPSA S PASENQ
36396	Q9BQ15	147	SAASP A SENQNGN
36397	Q9BQ15	156	QNGNGL S APP G PG
36398	Q9BQ15	172	HPPHTP S HPPSTR
36399	Q9BQ15	176	TPSHPP S TRITRS
36400	Q9BQ15	182	STRITR S QP N HTP
36401	Q9BQ15	195	AGPPGP S SNPVSN
36402	Q9BQ15	196	GPPGP S NPVSNG
36403	Q9BQ15	200	PSSNPV S NGKETR
36404	Q9BQA1	38	EAARYR S DGALL
36405	Q9BQA1	47	ALLLGAS S LSGRC
36406	Q9BQA1	50	LGASSL S GRCWAG
36407	Q9BQA1	57	GRCWAG S LWLFKD
36408	Q9BQA1	74	PNEGFC S AGVQTE
36409	Q9BQA1	98	RGILVA S DSGAVE
36410	Q9BQA1	100	ILV A SD S GA E VLW
36411	Q9BQA1	129	EHDDIV S TVSVLS
36412	Q9BQA1	132	DIVSTV S VLSSGT
36413	Q9BQA1	135	STVSVL S SGTQAV
36414	Q9BQA1	142	SGTQAV S GSKDIC
36415	Q9BQA1	161	AQQVVL S SYRAHA
36416	Q9BQA1	162	QQVVL S YRAHAA
36417	Q9BQA1	176	VTCVAAS S PHKDSV
36418	Q9BQA1	181	ASPHKD S VFLSCS
36419	Q9BQA1	185	KDSVFL S CSEDNR
36420	Q9BQA1	187	SVFLSC S EDNRIL
36421	Q9BQA1	204	RCPKP A QIGCSA
36422	Q9BQA1	209	ASQIGC S APGYLP
36423	Q9BQA1	217	PGYLPT S LAWHPQ
36424	Q9BQA1	238	DENGTV S LVDTKS
36425	Q9BQA1	244	SLVDTK S TSCVLS
36426	Q9BQA1	246	VDTKST S CVLSSA
36427	Q9BQA1	250	STSCVLS S AVHSQ
36428	Q9BQA1	251	TSCVLS S AVHSQC
36429	Q9BQA1	264	VTGLVFS S PHSVPF
36430	Q9BQA1	267	LVFSPH S V P FLAS
36431	Q9BQA1	273	SVPFLAS S LED C S
36432	Q9BQA1	275	PFLASL S EDCSLA
36433	Q9BQA1	279	SLSED C SLAVLDS
36434	Q9BQA1	285	SLAVLDS S SEL F
36435	Q9BQA1	286	LAVLDSS S SELFR
36436	Q9BQA1	306	VRDATWS S PLNHSL
36437	Q9BR39	39	KGQGEY S GSWNFG

36438	Q9BR39	41	QGEYSGSWNFGFE
36439	Q9BR39	65	TFEGYWSQGKRHG
36440	Q9BR39	101	GIRQSSSGAKYE
36441	Q9BR39	102	IRQSSSSGAKYEG
36442	Q9BR39	157	MAVVVRSPLRTSL
36443	Q9BR39	162	RSPLRTSLSLRLS
36444	Q9BR39	164	PLRTSLSLRSEH
36445	Q9BR39	179	GTVAPDSPASPAS
36446	Q9BR39	182	APDSPASPASDGP
36447	Q9BR39	185	SPASPASPDPALP
36448	Q9BR39	192	DGPALPSPAIPRG
36449	Q9BR39	251	RVSFLKSDLSSGA
36450	Q9BR39	258	DLSSGASDAASTA
36451	Q9BR39	262	GASDAASTASLGE
36452	Q9BR39	265	DAASTASLGAAE
36453	Q9BR39	306	RSGFGVSERSSGL
36454	Q9BR39	309	FGVSEERSGLRYE
36455	Q9BR39	310	GVSERSSGLRYEG
36456	Q9BR39	389	KAEIAASRTSHAK
36457	Q9BR39	392	IAASRTSHAKAKA
36458	Q9BR39	412	LAANQESNIARTL
36459	Q9BR39	517	AWNGEPSGEGSRS
36460	Q9BR39	521	EPSGEGSRSVTPS
36461	Q9BR39	523	SGEGRSRVTPSEG
36462	Q9BR39	527	SRSVTPSEGAGRR
36463	Q9BR39	555	QAPPAPSREPEVA
36464	Q9BR39	568	LYQGYHSYAVRTT
36465	Q9BR39	592	EPEVSGSESAPSS
36466	Q9BR39	597	GSESAPSSPATAP
36467	Q9BR39	598	SESAPSSPATAPL
36468	Q9BR76	10	RKVVRQSKFRHFV
36469	Q9BR76	32	YEDIRVSRVTWDS
36470	Q9BR76	38	SRVTWDSSTFCAVN
36471	Q9BR76	66	FLVLPLSKTGRID
36472	Q9BR76	100	NDEVIASGSEDCT
36473	Q9BR76	102	EVIASGSEDCTVM
36474	Q9BR76	119	PENGLTSPLTEPV
36475	Q9BR76	150	ARNVLLSAGCDNV
36476	Q9BR76	173	ELYRLDSSLHPDLI
36477	Q9BR76	183	DLIYNVSWNHNGS
36478	Q9BR76	193	NGSLFCSACKDKS
36479	Q9BR76	199	SACKDKSVRIIDP
36480	Q9BR76	240	VFTTGFSRMSERQ
36481	Q9BR76	243	TGFSRMSERQLAL
36482	Q9BR76	266	ALQELEDSNGALL
36483	Q9BR76	267	LQELEDDSSNGALLP
36484	Q9BR76	290	VCGKGDSISRYFE
36485	Q9BR76	291	CGKGDSISRYFEI
36486	Q9BR76	312	FLNTFTSKEPQRG
36487	Q9BR76	321	PQRGMGSMPKRL
36488	Q9BR76	330	KRGLEVSKCEIAR
36489	Q9BR76	356	MTVPRKSDFQDD
36490	Q9BR76	381	EAEEWVSGRDADP
36491	Q9BR76	391	ADPILISLREAYV
36492	Q9BR76	399	REAYVPSKORDLK
36493	Q9BR76	407	QRDLKISRNNVLS
36494	Q9BR76	413	SRRNVLSDSRPAM
36495	Q9BR76	415	RNVLSDSRPAMAP

36496	Q9BR76	423	PAMAPGS S H LGAP
36497	Q9BR76	431	HLGAPAS T TAAD
36498	Q9BR76	443	DATPSGS L ARGE
36499	Q9BRK3	17	KLVLLQS S AVLLH
36500	Q9BRK3	18	LVLLQSS S AVLLHS
36501	Q9BRK3	24	SAVLLHS G SSVPA
36502	Q9BRK3	26	VLLHSGS S VPAAA
36503	Q9BRK3	27	LLHSGSS S VPAAAG
36504	Q9BRK3	34	VPAAAGS S VVSES
36505	Q9BRK3	35	PAAAGSS S VVSESA
36506	Q9BRK3	38	AGSSVV S SEAVSW
36507	Q9BRK3	40	SSVVSE S AVSWEA
36508	Q9BRK3	43	VSESAV S WEAGAR
36509	Q9BRK3	56	AVLRCQS P RMVWT
36510	Q9BRK3	93	RLLDLYS A GEQRV
36511	Q9BRK3	111	RGRLELS A SAFDD
36512	Q9BRK3	113	RLELSAS A FDDGN
36513	Q9BRK3	121	FDDGNF S LIRAV
36514	Q9BRK3	149	YCHLYE S LAVRLE
36515	Q9BRK3	256	FERGDF S LRIEPL
36516	Q9BRK3	271	ADEGTYS C HLHHH
36517	Q9BRK3	303	EPPPRGS P NGSS
36518	Q9BRK3	308	GSPGNGS S HSGAP
36519	Q9BRK3	309	SPGNGSS S HGAPG
36520	Q9BRK3	311	GNGSSH S GAPGPD
36521	Q9BRK3	334	NVIVPE S RAHFFQ
36522	Q9BRK3	373	RGGYEY S DQKSGK
36523	Q9BRK3	377	EYSDQKS G KGKGK
36524	Q9BRK3	380	DQKSGKS K GKDVN
36525	Q9BRK3	402	DQMLYR S EDIQLD
36526	Q9BRK3	423	RAELAH S PLPAKY
36527	Q9BSJ6	11	WQNMGT S VRRLSL
36528	Q9BSJ6	26	QEQLEDS K ELOPV
36529	Q9BSJ6	34	ELQPVVS H QETSV
36530	Q9BSJ6	39	VSHQET S VGALGS
36531	Q9BSJ6	45	SVGALGS L CRQFQ
36532	Q9BSJ6	68	NLRAGPS W KRLET
36533	Q9BSJ6	88	LQAAARS A KSALG
36534	Q9BSJ6	91	AARSAKS A LGAVS
36535	Q9BSJ6	97	SALGAVS Q RQIQU
36536	Q9BSJ6	103	SQRIQU S CQSGTK
36537	Q9BSJ6	106	IQESCQS G TKWLV
36538	Q9BSJ6	135	SGSPTH S LSQLKST
36539	Q9BSJ6	137	SPTHSLS Q KSTRL
36540	Q9BSJ6	140	HSLSQKS T RLSGA
36541	Q9BSJ6	144	QKSTR L SGAAPAH
36542	Q9BSJ6	151	GAAPAH S AADPWE
36543	Q9BSJ6	164	KEHHRLS V VRMGSH
36544	Q9BSJ6	169	LSVRMG S HAHPLR
36545	Q9BSJ6	177	AHPLRRS R REAAF
36546	Q9BSJ6	185	REAAFR S PYSSTE
36547	Q9BSJ6	188	AFRSPY S STEPLC
36548	Q9BSJ6	189	FRSPY S STEPLCS
36549	Q9BSJ6	195	STEPLCS P SESDS
36550	Q9BSJ6	197	EPLCSP S ESDSL
36551	Q9BSJ6	217	QHLQKL S QELDEA
36552	Q9BSJ6	234	ERKQALS D RQGFI
36553	Q9BT78	15	LAQLMNS S SGSHKD

36554	Q9BT78	16	AQLMNSSGSHKDL
36555	Q9BT78	18	LMNSSGSHKDLAG
36556	Q9BT78	37	EKAIQLSGAEQLE
36557	Q9BT78	58	MVNENVSLVISRQ
36558	Q9BT78	62	NVSLVISRQLLTD
36559	Q9BT78	79	LPNLPDSTAKEIY
36560	Q9BT78	98	IQPRVISFEEQVA
36561	Q9BT78	105	FEEQVASIRQHLA
36562	Q9BT78	112	IRQHLASIYEKEE
36563	Q9BT78	172	AYINRASLLQNES
36564	Q9BT78	178	SLLQNESTNEQLQ
36565	Q9BT78	212	QRYNELSYKTIVH
36566	Q9BT78	220	KTIVHESERLEAL
36567	Q9BT78	237	HCTILASAGQQRS
36568	Q9BT78	243	SAGQQRSRMLATL
36569	Q9BT78	297	ATTADGSILDRA
36570	Q9BT78	298	TTADGSSILDRAV
36571	Q9BT78	311	IEHNLLSASKLYN
36572	Q9BT78	313	HNLLSASKLYNNI
36573	Q9BT78	340	KAEKIASQMITEG
36574	Q9BT78	376	WDKQIQSLCFQVN
36575	Q9BT78	389	NLLEKISQTAPEW
36576	Q9BTC0	154	HDDTSDSDGLT
36577	Q9BTC0	186	PLKGIQSRLRKKR
36578	Q9BTC0	377	EKAANPSSGKKLK
36579	Q9BTC0	431	TMKFLSSGKEQKP
36580	Q9BTC0	504	CESSTPSWASDHN
36581	Q9BTC0	523	EKTAAPSPSLLYK
36582	Q9BTC0	537	TKEDRRSEEKAAA
36583	Q9BTC0	609	TPSSGASAARQAG
36584	Q9BTC0	664	AMSAAPSQPNSQI
36585	Q9BTC0	811	SPPVSDSEEQQES
36586	Q9BTC0	825	RAVPEKSTAPLLD
36587	Q9BTC0	875	PKKQKLSASAVKKE
36588	Q9BTC0	877	KQKLSASVKKEDL
36589	Q9BTC0	952	LSPCPASCVGVV
36590	Q9BTC0	1038	NISTSESRSPEG
36591	Q9BTC0	1051	DTTLFLSRLSTIW
36592	Q9BTC0	1141	SLYSYFSRGREFG
36593	Q9BTC0	1165	LYLIPLSAQDPVP
36594	Q9BTC0	1260	STTPPGSPPPPP
36595	Q9BTC0	1302	ASTAASSTASSAS
36596	Q9BTC0	1331	KKSFDPSAREPPG
36597	Q9BTC0	1528	SPPPCKSLPKAEL
36598	Q9BTC0	1541	FQQEQQSADKPAS
36599	Q9BTC0	1629	EKPPAGSEQDGWK
36600	Q9BTC0	1690	TCPGFASQDKALG
36601	Q9BTC0	1708	DPRNLHSAGRSSS
36602	Q9BTC0	1788	PEENIASNDGPRG
36603	Q9BTC0	1809	QKGPIPSLFGQH
36604	Q9BTC0	1823	PPPYGDSRGSPSPS
36605	Q9BTC0	1827	GDSRGPSPSYLGG
36606	Q9BTC0	2052	PPSALSSSAPGQG
36607	Q9BTC0	2124	ERGRNWSSRERDWD
36608	Q9BTC0	2217	RKDRSKSKESARD
36609	Q9BTM9	62	LFIQGDSVRPGIL
36610	Q9BTM9	91	QLQDQDSVLFIST
36611	Q9BTY2	30	PPCPAHSSATRFDP

36612	Q9BTY2	40	FDPTWESLDARQL
36613	Q9BTY2	65	IHWGVFSVPSFGS
36614	Q9BTY2	68	GVFSVPSFGSEWF
36615	Q9BTY2	71	SVPSFGSEWFWWY
36616	Q9BTY2	97	KDNYPPSFKYEDF
36617	Q9BTY2	124	ADIFQASGAKYIV
36618	Q9BTY2	133	KYIVLTSKHHEGF
36619	Q9BTY2	144	GFTLWGSEYSWNW
36620	Q9BTY2	147	LWGSEYSWNWNAI
36621	Q9BTY2	182	RFGLYYSLFEWFH
36622	Q9BTY2	196	LFLEDESSSFHKR
36623	Q9BTY2	197	FLEDESSSFHKRQ
36624	Q9BTY2	198	LEDEESSSFHKRQF
36625	Q9BTY2	207	KRQFPVSKTLPEL
36626	Q9BTY2	227	QPEVLWSDGDGGA
36627	Q9BTY2	240	PDQYWNSTGFLAW
36628	Q9BTY2	251	AWLYNESPVRGTV
36629	Q9BTY2	267	DRWGAGSICKHGG
36630	Q9BTY2	278	GGFYTCSDRYNPG
36631	Q9BTY2	311	RREAGISDYLTIE
36632	Q9BTY2	328	QLVETVSCGGNLL
36633	Q9BTY2	346	TLDGTISVVFEER
36634	Q9BTY2	358	RLRQMGSWLKVNG
36635	Q9BTY2	375	ETHTWRSQNDTVT
36636	Q9BTY2	388	PDVWYTSKPKEKL
36637	Q9BTY2	405	FLKWPTSGQLFLG
36638	Q9BTY2	435	QPLNWISLEQNGI
36639	Q9BTY7	11	GAGAGASGGPEAS
36640	Q9BTY7	17	SGGPEASPEAEVV
36641	Q9BTY7	75	MELAPASAPARDA
36642	Q9BTY7	132	AALANLSREPAPC
36643	Q9BTY7	153	AAEPADSGLERLV
36644	Q9BTY7	181	YLAPLLSNLSQRP
36645	Q9BTY7	184	PLLSNLSQRPAAR
36646	Q9BTY7	213	LTQYPDSSVRGG
36647	Q9BTY7	214	TQYPDSSVRGGV
36648	Q9BTY7	259	AGPEDFSEEEMER
36649	Q9BTY7	320	ILRELHSWEPEPD
36650	Q9BUA3	55	TPPPRPSPLEAGS
36651	Q9BUA3	61	SPLEAGSDGCEEP
36652	Q9BUA3	72	EPKQQVSWEQEFL
36653	Q9BUA3	81	QEFLVGSSPGGSG
36654	Q9BUA3	82	EFLVGSSPGGSGR
36655	Q9BUA3	86	GSSPGGSGRALCM
36656	Q9BUA3	102	AEIRAPSADTARS
36657	Q9BUA3	108	SADTARSHILEQH
36658	Q9BUA3	121	PHTLDLSPSEKSN
36659	Q9BUA3	123	TLDLSPSEKSNIL
36660	Q9BUA3	126	LSPSEKSNILEAW
36661	Q9BUA3	133	NILEAWSEGVALL
36662	Q9BUA3	152	QPSPPNSDSGQDA
36663	Q9BUA3	154	SPPNSDGSQDAHP
36664	Q9BUA3	181	IVVLLDSEDNPSL
36665	Q9BUA3	186	DSEDNPSPLPKRSR
36666	Q9BUA3	191	PSLPKRSRPRGLR
36667	Q9BUA3	251	EPPSPDSTETFA
36668	Q9BUA3	269	RHFTDGSPAGFV
36669	Q9BUA3	280	FVLQLFSHTQLRG

36670	Q9BUA3	289	QLRGPD S KDSPKD
36671	Q9BUA3	292	GPDSK D SPKDREV
36672	Q9BUA3	337	EEPPAV S LLQDW
36673	Q9BUA3	343	SLLQDW S RHPQGT
36674	Q9BUA3	358	VGAGDT S DWPTVL
36675	Q9BUA3	365	DWPTVL S ESSTTV
36676	Q9BUA3	367	PTVL S ESSTTVAG
36677	Q9BUA3	368	TVL S ESSTTVAGK
36678	Q9BUB5	16	PIEMGS S EPLPIA
36679	Q9BUB5	39	RGRATD S LPGKFE
36680	Q9BUB5	52	DMYKL T SELLGEG
36681	Q9BUB5	87	EKQAGH S RSRVRFR
36682	Q9BUB5	89	QAGHS R SRVFREV
36683	Q9BUB5	131	EKLQGG S ILAHIQ
36684	Q9BUB5	148	FNEREAS R VVRDV
36685	Q9BUB5	168	HTKDKV S LCHLGW
36686	Q9BUB5	175	LCHLG W SAMAPSG
36687	Q9BUB5	180	WSAMAP S GLTAAP
36688	Q9BUB5	188	LTAAPT S LGSSDP
36689	Q9BUB5	191	APTSLG S SDPPTS
36690	Q9BUB5	192	PTSLG S SDPPTSA
36691	Q9BUB5	197	SSDPPT S ASQVAG
36692	Q9BUB5	199	DPPTSAS Q VAGTT
36693	Q9BUB5	221	ENILCE S PEKVSP
36694	Q9BUB5	226	ESPEK V S PVKICD
36695	Q9BUB5	237	CDFDLG S GMKLNN
36696	Q9BUB5	244	GMKLNN S CTPITT
36697	Q9BUB5	259	LTPCG S AEYMAP
36698	Q9BUB5	286	KRCDLW S LGVVLY
36699	Q9BUB5	296	VLYIML S GYPPFV
36700	Q9BUB5	327	QNKLFE S IQECKY
36701	Q9BUB5	344	KDWAH I SSEAKDL
36702	Q9BUB5	345	DWAHIS S EAIDL
36703	Q9BUB5	352	EAKDL I S KLLVRD
36704	Q9BUB5	364	DAKQRL S AAQVILQ
36705	Q9BUB5	393	QVLQRNS S TMDLT
36706	Q9BUB5	394	VLQRNS S TMDLT
36707	Q9BUB5	413	ALNRQL S QHEENE
36708	Q9BUB5	433	LADGLC S MKLSPP
36709	Q9BUB5	437	LCSMKL S PPCKSR
36710	Q9BUB5	442	LSPPCK S RLARRR
36711	Q9BV73	196	HFLEMK S ATDRDL
36712	Q9BV73	264	KEAHER S QELIQL
36713	Q9BV73	295	SALLTQS Q KQNED
36714	Q9BV73	363	DNIAQG S GHENSL
36715	Q9BV73	374	SLELD S IFSQFD
36716	Q9BV73	581	QSIAEL S SENTL
36717	Q9BV73	602	AAAVKL S ALNEAL
36718	Q9BV73	697	EIQKKL S ESRHQQ
36719	Q9BV73	764	QLQGLSSAKELLE
36720	Q9BV73	867	KWEKERS W HQQEL
36721	Q9BV73	914	ERTQAES A LCQMQ
36722	Q9BV73	1025	LVAQDD S QRLVEQ
36723	Q9BV73	1083	IRQQEL S ALRQDM
36724	Q9BV73	1187	QLASLY S ALQQAL
36725	Q9BV73	1281	DTEAEK S QVHTEL
36726	Q9BV73	1295	DLQRQL S QNQEEK
36727	Q9BV73	1313	KQNSLE S ELMELH

36728	Q9BV73	1397	KNEEVE SERERAQ
36729	Q9BV73	1487	ELEKCR S VLEHLP
36730	Q9BV73	1608	QELQAQS SQIHD L
36731	Q9BV73	1616	QIHDL E SHSTVLA
36732	Q9BV73	1618	HDLESH S TVLARE
36733	Q9BV73	1691	LEQIKL S LRERGR
36734	Q9BV73	1803	KEQSLQ S QLDEAQ
36735	Q9BV73	1896	GDLRAE S REQEKA
36736	Q9BV73	2132	PHSHKT S PMEEQS
36737	Q9BV73	2189	TKASVSS L QEVAM
36738	Q9BV73	2267	DGM E KQ S WRQRLE
36739	Q9BV73	2381	TRSAQT S RELAGL
36740	Q9BV73	2390	LAGLHH S LSHSLL
36741	Q9BV73	2394	HHSLSH S LLAVAQ
36742	Q9BV86	14	DEKQFY S KAKTYW
36743	Q9BV86	38	GGYGHIS SIDINS
36744	Q9BV86	39	GYGHISS IDINSS
36745	Q9BV86	44	SSIDINS SRKFLQ
36746	Q9BV86	45	SIDINSS SRKFLQR
36747	Q9BV86	63	PNKTGT S CALDCG
36748	Q9BV86	128	FTPEPD S YDVIWI
36749	Q9BV86	156	LRRCKGS LRPNGI
36750	Q9BV86	181	ILDDVD S SVCRDL
36751	Q9BV86	182	LDVD DSS VCRDLD
36752	Q9BV86	196	VRRIIC S AGLSLL
36753	Q9BV86	200	ICSAGL S LLAER
36754	Q9BWF3	20	TEQEIR S LFEQYG
36755	Q9BWF3	70	NINVEA SKNKS KT
36756	Q9BWF3	74	EASKNK S KTSTKL
36757	Q9BWF3	77	KNKSKT S TKLHVG
36758	Q9BWF3	86	LHVGNIS PCTCNK
36759	Q9BWF3	146	RMHVQL S TSRLRT
36760	Q9BWF3	148	HVQLST S RLR TAP
36761	Q9BWF3	160	PGMDQ S GCYRCG
36762	Q9BWF3	172	GKEGHWS KEC PID
36763	Q9BWF3	180	ECPIDRS GRVADL
36764	Q9BWF3	204	RTPYTMS YGDSL Y
36765	Q9BWF3	208	TMSYGD S LYNNNA
36766	Q9BWF3	230	RCRAARS YEAVAA
36767	Q9BWF3	240	VAAAAA S VNYAE
36768	Q9BWF3	250	YAEQTL S QLPQVQ
36769	Q9BWF3	262	QNTAMASH LTSTS
36770	Q9BWF3	266	MASHLT S SLDPY
36771	Q9BWF3	268	SHLTST S LD PYDR
36772	Q9BWF3	280	RHLLPT S GAAATA
36773	Q9BWF3	300	AAVTAAS TYYGR
36774	Q9BWF3	302	VTAAS T YYGRDR
36775	Q9BWF3	331	YGYGHE S SELSQAS
36776	Q9BWF3	334	GHESEL S QASAAA
36777	Q9BWF3	337	SELSQAS AAARNS
36778	Q9BWF3	343	SAAARNS S LYDMAR
36779	Q9BWT1	27	RYVKLI S METSSS
36780	Q9BWT1	31	LISMET S SSSDDS
36781	Q9BWT1	32	I S METSS SSSDDSC
36782	Q9BWT1	33	SMETSS S DDSCD
36783	Q9BWT1	34	METSSSS DDSCDS
36784	Q9BWT1	37	SSSSDD S CDSFAS
36785	Q9BWT1	40	SDDSCD S FASDNF

36786	Q9BWT1	43	SCDSFASDNFANT
36787	Q9BWT1	62	EGCRTSQCRHSG
36788	Q9BWT1	67	RSQCRHSGPLRVA
36789	Q9BWT1	80	MKFPARSTRGATN
36790	Q9BWT1	91	TNKKAESRQPSEN
36791	Q9BWT1	95	AESRQPSENSVTD
36792	Q9BWT1	98	RQPSENVTDNS
36793	Q9BWT1	102	ENSVTDSNSDSED
36794	Q9BWT1	104	SVTDSNSDSEDES
36795	Q9BWT1	106	TDSNSDSEDESGM
36796	Q9BWT1	110	SDSEDESGMNFILE
36797	Q9BWT1	134	MLAKLMSELESFP
36798	Q9BWT1	138	LMSELESFPGSFR
36799	Q9BWT1	142	LESFPGSFRGRHP
36800	Q9BWT1	152	RHPLPGSDSQSRR
36801	Q9BWT1	154	PLPGSDSQSRRPR
36802	Q9BWT1	169	TFPGVASRRNPER
36803	Q9BWT1	185	PLTRSRSRILGSL
36804	Q9BWT1	190	RSRILGSLDALPM
36805	Q9BWT1	226	EDDLPRSRRSRSS
36806	Q9BWT1	229	LPRSRRSRSSVTL
36807	Q9BWT1	232	SRRSRSSVTLPHI
36808	Q9BWT1	255	ELENVCNSREKI
36809	Q9BWT1	265	EKIYNRSLGSTCH
36810	Q9BWT1	268	YNRSLGSTCHQCR
36811	Q9BWT1	362	VHAYLKSLKQEFE
36812	Q9BX63	38	ILRGLNSKQHCLL
36813	Q9BX63	53	PTGSGKSLALLCS
36814	Q9BX63	66	ALAWQQSLSGKPA
36815	Q9BX63	77	PADEGVSEKAEVQ
36816	Q9BX63	85	KAEVQLSCCCACH
36817	Q9BX63	123	ERNGTSTCQDSP
36818	Q9BX63	128	SSTCQDSPEKTTL
36819	Q9BX63	220	CSRCCSTKQGNS
36820	Q9BX63	241	KDHTGKSIPKIIY
36821	Q9BX63	342	DIEELVSLGKKLK
36822	Q9BX63	409	RESASYSVTEVQL
36823	Q9BX63	469	SACKIWSGNEMLL
36824	Q9BX63	520	REVPVISASTQIM
36825	Q9BX63	522	VPVISASTQIMLK
36826	Q9BX63	601	NPAVAFSDINGKV
36827	Q9BX63	625	PMKSFSSSELGVTF
36828	Q9BX63	682	VGALLSVCQTVS
36829	Q9BX63	710	LKERWLSSTGLWHN
36830	Q9BX63	766	VCRGKVSEGLDFS
36831	Q9BX63	854	RFRNNPSSRYISGL
36832	Q9BX63	861	RYISGLSKWVRQQ
36833	Q9BX63	880	FESALES LAEFSK
36834	Q9BX63	895	QKVLNVS IKDRTN
36835	Q9BX63	1007	SWSSFNS LGQYFT
36836	Q9BX63	1043	KTEKME SKTVLPF
36837	Q9BX63	1063	NLTNTSFGSCPQ
36838	Q9BX63	1089	LTRKNHSEHPLCS
36839	Q9BX63	1095	SEHPLCSEEALDP
36840	Q9BX63	1106	DPDIELS LVSEED
36841	Q9BX63	1129	TEAEDES IYFTPE
36842	Q9BX63	1162	NRLANNNS DCILAK
36843	Q9BX84	15	RLQSQKSWIKGVF

36844	Q9BX84	198	KSHSSHSLRKIWT
36845	Q9BX84	246	TLN SMHSHFILSD
36846	Q9BX84	302	GPNVILSVWETVK
36847	Q9BX84	445	ALEQAMS DALVMD
36848	Q9BX84	552	KHQRHSS GNRNES
36849	Q9BX84	565	AESTLHS QFIRTA
36850	Q9BX84	590	HKS RKKSK EQNVS
36851	Q9BX84	655	AHEAKES HMVDDA
36852	Q9BX84	703	YELRNWS NSTCLK
36853	Q9BX84	713	CLKLAVSGGLRPF
36854	Q9BX84	721	GLRPFVSH TCTQM
36855	Q9BX84	750	WLKIIIS II LPPT
36856	Q9BX84	774	MSHVPQSQDFQFM
36857	Q9BX84	791	DQNASSS KESASV
36858	Q9BX84	990	MAIVLLS FG VARK
36859	Q9BX84	1034	GEIDVCSS QPSCP
36860	Q9BX84	1200	VSFIKDSL LSLDS
36861	Q9BX84	1203	IKDSL LSLDSQVG
36862	Q9BX84	1252	CKKLPHS WSNVIC
36863	Q9BX84	1306	LLEITNS KREATN
36864	Q9BX84	1437	PEPMTMS SPLSQA
36865	Q9BX84	1438	EPMTMSS PLSQAK
36866	Q9BX84	1478	WQTCLPS TCDSDS
36867	Q9BX84	1497	QKQAQDSS LSDDNS
36868	Q9BX84	1498	KQAQDSS LSDNST
36869	Q9BX84	1524	WLQPNTS FWINPL
36870	Q9BX84	1623	I SEE EYS KNWFTV
36871	Q9BX84	1697	IGVDKIS ASLKSP
36872	Q9BX84	1787	KAMRVVST WSEDD
36873	Q9BX84	1868	FLIYCHSANQWLT
36874	Q9BX84	1935	ENLTDPSVI KPEV
36875	Q9BX84	1986	LKRNDYS PERINS
36876	Q9BXA7	22	INLGEGSYAKVKS
36877	Q9BXA7	28	SYAKVKS SAYSERL
36878	Q9BXA7	31	KVKSAYSERL KFN
36879	Q9BXA7	71	AMLNHCSS I I KTYE
36880	Q9BXA7	82	YEIFETSHGKVYI
36881	Q9BXA7	121	KKFHQLSLAIKYC
36882	Q9BXA7	153	DFNIKLS DFS FSK
36883	Q9BXA7	156	IKLSDFS FSK RCL
36884	Q9BXA7	158	LSDFSFS KRCL RD
36885	Q9BXA7	166	RCLRDDS GRMALS
36886	Q9BXA7	172	SGRMALS KTF CGS
36887	Q9BXA7	178	SKTFCGS SPAYAAP
36888	Q9BXA7	201	KVYDIWS LGVILY
36889	Q9BXA7	213	YIMVCGS MPY DDS
36890	Q9BXA7	219	SMPY DDS NIKKML
36891	Q9BXA7	238	RVNFPRSKHL TGE
36892	Q9BXA7	268	HIDEILSH CWMQP
36893	Q9BXA7	279	QPKARGSPS VAIN
36894	Q9BXA7	281	KARGSPS VAINKE
36895	Q9BXA7	290	INKEGES SRGTEP
36896	Q9BXA7	291	NKEGE S SRGTEPL
36897	Q9BXA7	304	WTPEPGS DKKSAT
36898	Q9BXA7	308	PGSDKKSAT KLEP
36899	Q9BXA7	336	GTAMQMS RQSEIL
36900	Q9BXA7	339	MQMSRQSEIL GFP
36901	Q9BXA7	346	EILGFPSKPSTME

36902	Q9BXA7	349	GFP SKP STMETEE
36903	Q9BXM7	73	LRFFRQS VAGLAA
36904	Q9BXM7	118	EEKQAES RRAVSA
36905	Q9BXM7	123	ESRRAVS ACQEIQ
36906	Q9BXM7	136	AIFTQKS KPGPDP
36907	Q9BXM7	161	EYLIGQS IGKGCS
36908	Q9BXM7	167	SIGKGCS AAVYEA
36909	Q9BXM7	187	NLEVTKS TGLLPG
36910	Q9BXM7	199	GRGPGTS APGEQ
36911	Q9BXM7	225	KMMWNIS AGSSSE
36912	Q9BXM7	229	NISAGSS SEAILN
36913	Q9BXM7	230	ISAGSS SEAILNT
36914	Q9BXM7	238	AILNTMS QELVPA
36915	Q9BXM7	245	QELVPAS RVALAG
36916	Q9BXM7	261	AVTYRKSKRGPKQ
36917	Q9BXM7	283	VLRAFTS SVPLLP
36918	Q9BXM7	284	LRAFTS SVPLLPG
36919	Q9BXM7	301	YPDVLPS RLHPEG
36920	Q9BXM7	335	LCVNTPS PR LAAM
36921	Q9BXM7	365	AHRDLKS DNI LVE
36922	Q9BXM7	393	CCLADES IGLQLP
36923	Q9BXM7	401	GLQLPFSS WYVDR
36924	Q9BXM7	419	LMAPEVS TARPGP
36925	Q9BXM7	432	RAVIDYS KADAWA
36926	Q9BXM7	463	GKAHLES RS YQEA
36927	Q9BXM7	465	AHLESRS YQEAQL
36928	Q9BXM7	477	LPALPES VPPDVR
36929	Q9BXM7	495	LLQREAS KRPSAR
36930	Q9BXM7	499	EASKRPS ARVAAN
36931	Q9BXM7	510	ANVLHLS LWGEHI
36932	Q9BXM7	535	GWLLQQSAATLLA
36933	Q9BXS0	17	GGREPRSEDPTPA
36934	Q9BXS0	42	VLAALLSVVAVVS
36935	Q9BXS0	48	SVVAVVS CLY LGV
36936	Q9BXS0	68	RIAALES AKGAPS
36937	Q9BXS0	74	SAKGAPS IHLLPD
36938	Q9BXS0	101	RLLAQKS YEHMAK
36939	Q9BXS0	116	IAREAPSE NC CPA
36940	Q9BXS0	137	RGRRGES GPGQ
36941	Q9BXS0	176	INHGFLS ADQQLI
36942	Q9BXS0	247	PPGQKGS IGAPGI
36943	Q9BXS0	307	EKGDPGS SAAGIK
36944	Q9BXS0	308	KGD PGSS AAGIKG
36945	Q9BXS0	319	KGE PGES GRPGQK
36946	Q9BXS0	390	KGKQGES GTRGPK
36947	Q9BXS0	398	TRGP KGS KGDRGE
36948	Q9BXS0	408	RGEKGDS GAQGPR
36949	Q9BXS0	468	PKGEQGS PGIPGM
36950	Q9BXS0	483	EQGLKGS KGDMGD
36951	Q9BXS0	517	KGEKGDS GM PG PQ
36952	Q9BXS0	526	PGPQGPS IIGPPG
36953	Q9BXS5	28	RGDVDMS E VE HFM
36954	Q9BXS5	47	EEEGMLSPILA HG
36955	Q9BXS5	71	LYLVATSKKNACV
36956	Q9BXS5	78	KKNACVSLVFSFL
36957	Q9BXS5	82	CVSLVFS FLY KV
36958	Q9BXS5	92	KVVQVFSEYFKEL
36959	Q9BXS5	102	KELEEE SIRDNFV

36960	Q9BXS5	128	YPQTTDSKILQEY
36961	Q9BXS5	158	TVTNAWSWRSEGI
36962	Q9BXS5	161	NAVSWRSEGIKYR
36963	Q9BXS5	178	FLDVIESVNLLVS
36964	Q9BXS5	184	SVNLLVSANGNVL
36965	Q9BXS5	192	NGNVLRSEIVGSI
36966	Q9BXS5	197	RSEIVGSIKMRVF
36967	Q9BXS5	205	KMRVFLSGMPELR
36968	Q9BXS5	228	NTGRGKSKSVELE
36969	Q9BXS5	230	GRGKSKSVELEDV
36970	Q9BXS5	245	HQCVRSLRFENDR
36971	Q9BXS5	254	ENDRTISFIPPDG
36972	Q9BXS5	266	GEFELMSYRLNTH
36973	Q9BXS5	281	PLIWIESVIEKHS
36974	Q9BXS5	287	SVIEKHSHSRIEY
36975	Q9BXS5	289	IEKHSHSRIEYMI
36976	Q9BXS5	305	SQFKRRSTANNVE
36977	Q9BXS5	322	VPNDADS PKFTT
36978	Q9BXS5	331	FKTTVGSVKWPPE
36979	Q9BXS5	339	KWVPENSEIVWSI
36980	Q9BXS5	344	NSEIVWS IKSFPFG
36981	Q9BXS5	347	IVWSIKS FPGGKE
36982	Q9BXS5	364	AHFGLPSVEAEDK
36983	Q9BXS5	377	EGKPPISVKFEIP
36984	Q9BXS5	388	IPYFTTSGIQVRY
36985	Q9BXS5	401	LKIIEKSGYQALP
36986	Q9BXS6	11	SLEELDSLKYSSDL
36987	Q9BXS6	15	LDSLKYS DLQNL
36988	Q9BXS6	23	LQNLAKSLGLRAN
36989	Q9BXS6	57	NENQDES QTSASS
36990	Q9BXS6	60	QDESQT SASSCDE
36991	Q9BXS6	62	ESQTSAS SCDETE
36992	Q9BXS6	63	SQTSASS CDETEI
36993	Q9BXS6	72	ETEIQISNQEEAE
36994	Q9BXS6	101	VRVDPDSQQNHSE
36995	Q9BXS6	106	DSQQNHSEIKISN
36996	Q9BXS6	111	HSEIKISNPTEFQ
36997	Q9BXS6	148	EAENAVSS GNRDS
36998	Q9BXS6	149	AENAVSS GNRDSK
36999	Q9BXS6	154	SSGNRD SKVSEG
37000	Q9BXS6	158	RDSKVPSEGGKSL
37001	Q9BXS6	163	PSEGKKSL YLTDES
37002	Q9BXS6	169	SLYTDES SKPGKN
37003	Q9BXS6	170	LYTDESS KPGKN
37004	Q9BXS6	198	HKEMES IDQYIE
37005	Q9BXS6	215	HFEEHNSMNELKQ
37006	Q9BXS6	243	GRLSVA STPISQR
37007	Q9BXS6	251	PISQRRS QGRSCG
37008	Q9BXS6	255	RRSQGRS CGPASQ
37009	Q9BXS6	260	RSCGPAS QSTLGL
37010	Q9BXS6	262	CGPASQS TLGLKG
37011	Q9BXS6	285	KTGVRFSAATKDN
37012	Q9BXS6	296	DNEHKRS LTKTPA
37013	Q9BXS6	305	KTPARKSAHVTVS
37014	Q9BXS6	333	KTITGNSAAVITP
37015	Q9BXS6	363	VFDLKAS LSRPLN
37016	Q9BXS6	383	LKPWGQS KENNYL
37017	Q9BXW9	88	TLRRHPS YPKIIE

37018	Q9BXW9	126	LQDEEA S MGASYS
37019	Q9BXW9	132	SMGASYS K SLIKL
37020	Q9BXW9	214	QHDIITS L PPEILG
37021	Q9BXW9	375	ENTASV S EHKVFD
37022	Q9BXW9	409	LRNKIRS G CIQEQ
37023	Q9BXW9	422	LLQSTF S VHVLVL
37024	Q9BXW9	445	AQSLLHS L DQSII
37025	Q9BXW9	449	LHSLDQS I ISFGS
37026	Q9BXW9	452	LDQSII S FGSLLY
37027	Q9BXW9	505	LVVLNPSAMMMNA
37028	Q9BXW9	564	VIRKQLS S TVFKY
37029	Q9BXW9	612	QCTQVT S LLQLVH
37030	Q9BXW9	720	PVTSQES G QKLVS
37031	Q9BXW9	726	SGQKLVS P LCLAP
37032	Q9BXW9	773	PGEKLES S MSAKER
37033	Q9BXW9	784	ERSFMCS L IFLTL
37034	Q9BXW9	859	HTVTAIS A KIRKK
37035	Q9BXW9	877	KQKTDGS K TSSSD
37036	Q9BXW9	881	DGSKTSS S DTLSE
37037	Q9BXW9	898	ECDPTPS H RGQLN
37038	Q9BXW9	934	LDIEVFS I LHCGL
37039	Q9BXW9	973	FLLEDLS Q KLESM
37040	Q9BXW9	1096	ALHVLS S RLQGE
37041	Q9BXW9	1112	PLELLS Q SVHYL
37042	Q9BXW9	1157	NKEKIAS L ARQFL
37043	Q9BXW9	1175	SGDKEKS N I SNDQ
37044	Q9BXW9	1257	PGTAADS Q QIHEE
37045	Q9BXW9	1326	HREDVLS L LETFQ
37046	Q9BXW9	1345	HHLCGH S KIHQDT
37047	Q9BXW9	1407	SQNSQES T ADESE
37048	Q9BY32	53	GEPDEIS I QKCQE
37049	Q9BY32	111	AGFEDKSAYALCT
37050	Q9BY32	121	LCTFALS T GDPsq
37051	Q9BY32	126	LSTGDPS Q PVRLF
37052	Q9BY32	137	LFRGR T SGRIVAP
37053	Q9BY32	176	AEKNAV S HRFRAL
37054	Q9BY41	10	PEEPADS G QSLVP
37055	Q9BY41	13	PADSGQS L VPVYI
37056	Q9BY41	21	VPVYI Y SPEVSM
37057	Q9BY41	26	YSPEYV S MCDSLA
37058	Q9BY41	30	YVSMCDS L AKIPK
37059	Q9BY41	43	RASMVHS L IEAYA
37060	Q9BY41	63	VKPKV A SMEEMAT
37061	Q9BY41	83	QHLQKV S QEGDDD
37062	Q9BY41	93	DDDHPDS I EYGLG
37063	Q9BY41	138	KVAIW S GGWHHA
37064	Q9BY41	150	AKKDE A SGFCYLN
37065	Q9BY41	190	GVEDAFS F TSKVM
37066	Q9BY41	193	DAFSFT S KVMTVS
37067	Q9BY41	199	SKVMTVS L HKFSP
37068	Q9BY41	204	VSLHKF S PGFFPG
37069	Q9BY41	215	PGTGDVS D VGLGK
37070	Q9BY41	226	GKGRYY S VNVPIQ
37071	Q9BY41	246	YYQICE S VLKEVY
37072	Q9BY41	276	AGDPMCS F NMTPV
37073	Q9BY41	328	ILGKTLS S EIPDH
37074	Q9BY41	329	LGKTLS E IPDHE
37075	Q9BY41	351	VLEITPS C RPDRN

37076	Q9BY44	13	LLTVRG S EGLYMV
37077	Q9BY44	28	PPHFTES T VFPRE
37078	Q9BY44	35	TVFPRES G KNCKV
37079	Q9BY44	45	CKVCIF S KDGTLF
37080	Q9BY44	63	EKVNII I SVTNKGL
37081	Q9BY44	72	NKGLLHS F DLLKA
37082	Q9BY44	99	WQPYTTS K DGTAG
37083	Q9BY44	122	TGTCLKS F IQKKM
37084	Q9BY44	136	NWCPSWS E DETLC
37085	Q9BY44	191	AVYVPGS K GAPSF
37086	Q9BY44	196	GSKGAPS F VRLYQ
37087	Q9BY44	217	AALANKS F FKADK
37088	Q9BY44	240	AVLVIAS T DVDKT
37089	Q9BY44	249	VDKTGAS Y YGEQT
37090	Q9BY44	265	IATNGES SA VQLP
37091	Q9BY44	283	YDVVWNSS S TEFC
37092	Q9BY44	284	DVVWNSS S TEFC
37093	Q9BY44	285	VVWNSS S TEFC
37094	Q9BY44	323	RNAAYYS P HGHIL
37095	Q9BY44	353	KNYKLIS K PVASD
37096	Q9BY44	358	ISKPVAS D STYFA
37097	Q9BY44	360	KPVASD S TYFAWC
37098	Q9BY44	395	IWHYTGS I LHKYD
37099	Q9BY44	404	HKYDVP S NAELWQ
37100	Q9BY44	412	AELWQVS W QPFLD
37101	Q9BY44	459	NKPITNS K LHEEE
37102	Q9BY44	474	QNMKPQS G NDKPL
37103	Q9BY44	503	AKQEARS D KSPDL
37104	Q9BY44	506	EARSDKS P DLA
37105	Q9BY44	517	PTPAPQS T PRNTV
37106	Q9BY44	524	TPRNTV S QSISGD
37107	Q9BY44	526	RNTVSQS S ISGDPE
37108	Q9BY44	528	TVSQS I SGDPEID
37109	Q9BY77	32	GVGGVRS R VGIQQ
37110	Q9BY77	42	IQQGLLS Q STRATA
37111	Q9BY77	44	QGLLSQS T RTATF
37112	Q9BY77	63	RQKIGL S DARLKL
37113	Q9BY77	100	AREMLNS R KQQTT
37114	Q9BY77	122	DAREKIS L KRSSP
37115	Q9BY77	126	KISLKRS S PAAFI
37116	Q9BY77	193	DDDGIAS V PTKQM
37117	Q9BY77	204	QMKFaaS GG FLHH
37118	Q9BY77	215	HHMAGL S SSKLSM
37119	Q9BY77	216	HMAGLSS S KLSMS
37120	Q9BY77	217	MAGLSS S KLMSK
37121	Q9BY77	220	LSSSKL S MSKALP
37122	Q9BY77	222	SSKLSMS S KALPLT
37123	Q9BY77	243	TAPALPSS S IRTKA
37124	Q9BY77	244	APALPSS I RTKAL
37125	Q9BY77	254	KALTNMS R TLVNK
37126	Q9BY77	357	NGNVITS D QPILL
37127	Q9BY77	366	PILLRLS D SPSMK
37128	Q9BY77	368	LLRLSDS P SMKKE
37129	Q9BY77	370	RLSDSPS M KKESE
37130	Q9BY77	375	PSMKKE S ELPRRV
37131	Q9BY77	386	RVNSASS S NPAAEV
37132	Q9BY77	387	VNSASS S NPAAEV
37133	Q9BY77	405	LKALFK S SGASVT

37134	Q9BY77	406	KALFKSSGASVTT
37135	Q9BY77	409	FKSSGASVTTQPT
37136	Q9BY84	21	LVALLESGTEKVL
37137	Q9BY84	40	FVEYNTSHILEAI
37138	Q9BY84	72	TELIQHSAHKVD
37139	Q9BY84	99	QDVASLSSDCFLT
37140	Q9BY84	100	DVASLSSDCFLTV
37141	Q9BY84	114	LGKLEKSFNSVHL
37142	Q9BY84	148	LVPTCISQPCLPV
37143	Q9BY84	236	IEKAKASNGCVLV
37144	Q9BY84	266	MKRMDMSLDEAYR
37145	Q9BY84	309	GASGPKSKLKLLH
37146	Q9BY84	347	CADSATSEAAGQR
37147	Q9BY84	362	HPASVPSVPSVQP
37148	Q9BY84	374	PSLLEDSPLVQAL
37149	Q9BY84	406	FSLDIKSVSYSAS
37150	Q9BY84	410	IKSVSYSASMAAS
37151	Q9BY84	412	SVSYSASMAASLH
37152	Q9BY84	421	ASLHGFSSEDAL
37153	Q9BY84	452	SPVQELSEQTPET
37154	Q9BY84	459	EQTPESTDKEEA
37155	Q9BY84	479	TARPSDQSQRHLH
37156	Q9BY84	481	RPSDSQSKRLHSV
37157	Q9BY84	490	LHSVRTSSSGTAQ
37158	Q9BY84	516	EDNYHTSFLFGLS
37159	Q9BY84	563	WYFATESHFYSA
37160	Q9BY84	583	ASYSAYSQLPT
37161	Q9BY84	585	YSAYSCSQLPTCG
37162	Q9BY84	604	RRRQKPSDRADSR
37163	Q9BY84	638	FGESIMSENRSRE
37164	Q9BY84	642	IMSENRSREELGK
37165	Q9BY84	653	GKVGSQSSFGSM
37166	Q9BY84	656	GSQSSFSGSMEII
37167	Q9BYE7	11	AVVTAGSVGAKT
37168	Q9BYE7	49	EGPAPLSETGAPG
37169	Q9BYE7	57	TGAPGCSGRPPE
37170	Q9BYE7	59	APGCSGSRPPELE
37171	Q9BYE7	69	ELEPERSLGRFRG
37172	Q9BYE7	102	EEEEDMSHFSLRL
37173	Q9BYE7	105	EDMSHFSLRLEGG
37174	Q9BYE7	126	ERLINLSELTPYI
37175	Q9BYE7	135	TPYILCSICKGYL
37176	Q9BYE7	157	LHTFCKSCIVRH
37177	Q9BYE7	166	VRHFYYSNRCPKC
37178	Q9BYE7	232	VPQPVPSKGRSK
37179	Q9BYE7	233	PQPVPSSKGRSKK
37180	Q9BYE7	237	PSSKGRSKKVLES
37181	Q9BYE7	243	SKKVLESVFRIIPP
37182	Q9BYE7	254	PPELDMSLLLEFI
37183	Q9BYE7	280	KKFVRVSGEATIG
37184	Q9BYG3	13	PAGPILSLNPQED
37185	Q9BYG3	63	DETQIFSYFSQFG
37186	Q9BYG3	66	QIFSYFSQFGTVT
37187	Q9BYG3	77	VTRFRLSRSKRTG
37188	Q9BYG3	79	RFRRLSRSKRTGNS
37189	Q9BYG3	85	SKRTGNSKGYAFV
37190	Q9BYG3	95	AFVEFESEDVAKI
37191	Q9BYG3	142	IPFKQPSYPSVKR

37192	Q9BYG3	145	KQPSYPSVKRYNR
37193	Q9BYG3	187	IDYDFPSLILQKT
37194	Q9BYG3	195	ILQKTESISKTNR
37195	Q9BYG3	197	QKTESISKTNRQT
37196	Q9BYG3	204	KTNRQTSTKGQVL
37197	Q9BYG3	268	VFKQPICSVKEEI
37198	Q9BYG3	283	TQTPTHSRKKRR
37199	Q9BYV9	9	VDEKPDSPMYVYE
37200	Q9BYV9	16	PMYVYESTVHCTN
37201	Q9BYV9	124	MHNLEDSCFSFLQ
37202	Q9BYV9	127	LEDSCFSFLQTQL
37203	Q9BYV9	159	HEDCENSAGEEED
37204	Q9BYV9	173	EEETMDSETAKMA
37205	Q9BYV9	219	PTDTKESSEKDAL
37206	Q9BYV9	255	STSGFASTFREDN
37207	Q9BYV9	262	TFREDNSSNSLKP
37208	Q9BYV9	277	ARGQIKSEPPSEE
37209	Q9BYV9	288	EENEESITLCLS
37210	Q9BYV9	343	SPSCLRSLFSSITK
37211	Q9BYV9	350	LFSITKSVELSGL
37212	Q9BYV9	409	SNFTMGSPLRGPG
37213	Q9BYV9	430	GELDRRSVIFSSS
37214	Q9BYV9	436	SVIFSSSACDQVS
37215	Q9BYV9	442	SACDQVSTSVHSY
37216	Q9BYV9	447	VSTSVHSYSGVSS
37217	Q9BYV9	476	AGQSLPSSQAYSH
37218	Q9BYV9	481	PSSQAYSHGGLMA
37219	Q9BYV9	499	RMRPNTSCPVPIK
37220	Q9BYV9	522	RTRTSSCSSYSSY
37221	Q9BYV9	546	LPLCEFSSPCSQ
37222	Q9BYV9	548	LCEFSSSPCSQGA
37223	Q9BYV9	589	QSYGTNSSDESGS
37224	Q9BYV9	593	TNSSDESASFSEA
37225	Q9BYV9	603	SEADSESACPVQDR
37226	Q9BYV9	641	KMHKLTSSEQLEFI
37227	Q9BYV9	710	DNFSCLSQEVCRD
37228	Q9BYV9	743	DLPTASSINPAPL
37229	Q9BYV9	805	TDPGTFSERGPPL
37230	Q9BZE4	14	KITVVPSAKDFID
37231	Q9BZE4	24	FIDLTLISKTKRKT
37232	Q9BZE4	63	NYHDRLSQILTDF
37233	Q9BZE4	122	LMKYGDSSLYRCKQ
37234	Q9BZE4	147	IKRQKQSLEYLEQ
37235	Q9BZE4	159	QVRQHLSRLPTID
37236	Q9BZE4	182	YPNVGKSFINKV
37237	Q9BZE4	183	PNVGKSSFINKVT
37238	Q9BZE4	204	YAFTTKSLFVGHM
37239	Q9BZE4	258	LYVMDLSEQCGHG
37240	Q9BZE4	300	KRIAELSEDDQKI
37241	Q9BZE4	312	IFTDLQSEGFPVI
37242	Q9BZE4	321	FPVIETSTLTEEG
37243	Q9BZE4	393	RMETEESRKKRER
37244	Q9BZE4	423	WDLMNLSEKHDKI
37245	Q9BZE4	468	AAGEYD\$VSESED
37246	Q9BZE4	470	GEYDSV\$ESEDEEE
37247	Q9BZE4	472	YDSVSE\$EDEEML
37248	Q9BZE4	498	KLKILE\$KEKNTQ
37249	Q9BZE4	526	LEKEMRSLGVDMD

37250	Q9BZE4	546	AVQARRSRSITRK
37251	Q9BZE4	548	QARRRSRSITRKRK
37252	Q9BZE4	558	KRKREDSAPPSSV
37253	Q9BZE4	562	EDSAPPSSVARSG
37254	Q9BZE4	563	DSAPPSSVARSGS
37255	Q9BZE4	567	PSSVARSGSCSRT
37256	Q9BZE4	569	SVARSGSCSRTPR
37257	Q9BZE4	571	ARSGSCSRTPRDV
37258	Q9BZE4	578	RTPRDVSGLRDVK
37259	Q9BZE4	623	KPKHLLSGKRKAG
37260	Q9BZL4	96	ARAVLDSTNADGI
37261	Q9BZL4	143	PLHVAASCGYLDI
37262	Q9BZL4	165	NIAAVNSDGDLPL
37263	Q9BZL4	176	PLDLAESDAMEGL
37264	Q9BZL4	306	ADEEVLSLLEELA
37265	Q9BZL4	325	RNQKEASQSRGQE
37266	Q9BZL4	336	QEPQAPSSKHRR
37267	Q9BZL4	338	PQAPSSSKHRRSS
37268	Q9BZL4	344	SKHRRSSVCRLSS
37269	Q9BZL4	350	SVCRLSSREKISL
37270	Q9BZL4	360	ISLQDLSKERRPG
37271	Q9BZL4	398	RTLNGVSSPPHPS
37272	Q9BZL4	407	PHPSPKS PVQLEE
37273	Q9BZL4	417	LEEAPFSRRFGILL
37274	Q9BZL4	428	LLKTGSSGALGPP
37275	Q9BZL4	453	LQRSASSWLEGT
37276	Q9BZL4	460	SWLEGTSTQAKEL
37277	Q9BZL4	476	RITPTPSPKLPEP
37278	Q9BZL4	483	PKLPEPSVLSEVT
37279	Q9BZL4	486	PEPSVLSSEVTKPP
37280	Q9BZL4	498	PPCLENSSPPSRI
37281	Q9BZL4	499	PCLENSSPPSRI
37282	Q9BZL4	502	ENSSPPSRIPEPE
37283	Q9BZL4	519	PNVPTASTAPPAD
37284	Q9BZL4	526	TAPPADS RDRRRS
37285	Q9BZL4	532	SRDRRRSYQMPVR
37286	Q9BZL4	542	PVRDEESESQRKA
37287	Q9BZL4	544	RDEESESQRKARS
37288	Q9BZL4	550	SQRKARSRLMRQS
37289	Q9BZL4	602	VPGVENS DSPAQR
37290	Q9BZL4	647	AEPADRSQESSTL
37291	Q9BZL4	650	ADRSQESTLEGG
37292	Q9BZL4	757	EELKALS DLRADN
37293	Q9BZL6	30	GGLELQSPPLL
37294	Q9BZL6	46	APGSGVSFHIQIG
37295	Q9BZL6	75	VKQLACSIVDQKF
37296	Q9BZL6	126	LVEVVL SASATFE
37297	Q9BZL6	145	HALTVHSYRAPAF
37298	Q9BZL6	183	HKRCAFSIPNNCS
37299	Q9BZL6	197	ARKRRLS STSLAS
37300	Q9BZL6	198	RKRRRLS STSLASG
37301	Q9BZL6	212	SVRLGTSESLPCT
37302	Q9BZL6	223	CTAEELS RSTTEL
37303	Q9BZL6	236	LPRRPPSSSSSS
37304	Q9BZL6	237	PRRPPSSSSSSA
37305	Q9BZL6	241	PSSSSSSSASSYT
37306	Q9BZL6	245	SSSSASSYTGRPI
37307	Q9BZL6	259	LDKMLLS KVKVPH

37308	Q9BZL6	271	HTFLIHSYTRPTV
37309	Q9BZL6	344	SALMDESEDSGVI
37310	Q9BZL6	353	SGVIPGSHSENAL
37311	Q9BZL6	362	ENALHASEEEAGE
37312	Q9BZL6	444	YKEIPLSSEILTVE
37313	Q9BZL6	456	ESAQNFSLVPPGT
37314	Q9BZL6	490	GTPGGPSGQGAEA
37315	Q9BZL6	529	APHRQASLSISVS
37316	Q9BZL6	531	HRQASLSISVSNS
37317	Q9BZL6	559	PDEVLGSGQFGVV
37318	Q9BZL6	593	FPTKQESQLRNEV
37319	Q9BZL6	641	LEMILSSEKGRLP
37320	Q9BZL6	736	RSLDMWSVGIMY
37321	Q9BZL6	771	AFMYPASPWSHIS
37322	Q9BZL6	774	YPASPWSHISAGA
37323	Q9BZL6	849	EHPLPGSGLPTDR
37324	Q9BZS1	10	PRPGKPSAPSLAL
37325	Q9BZS1	13	GKPSAPSALGPS
37326	Q9BZS1	23	GPSPGASPWRAA
37327	Q9BZS1	25	SPGASPWSWRAAPK
37328	Q9BZS1	33	RAAPKASDLLGAR
37329	Q9BZS1	57	RGGAHASSSLNP
37330	Q9BZS1	58	GGAHASSSLNPM
37331	Q9BZS1	59	GAHASSSSLNPMP
37332	Q9BZS1	60	AHASSSSLNPMP
37333	Q9BZS1	67	LNPMPQLQLPT
37334	Q9BZS1	82	LVMVAPS GARLGP
37335	Q9BZS1	107	HFMHQLSTVDAHA
37336	Q9BZS1	125	QVHPLES PAMISL
37337	Q9BZS1	130	ESPAMISLTPPTT
37338	Q9BZS1	142	TATGVFSLKARPG
37339	Q9BZS1	162	ASLEWVSREPALL
37340	Q9BZS1	175	CTFPNPSAPRKDS
37341	Q9BZS1	184	RKDSTLSAVPQSS
37342	Q9BZS1	190	SAVPQSSYPLL
37343	Q9BZS1	241	QREMVQSLEQQILV
37344	Q9BZS1	271	ALTKASSVASSDK
37345	Q9BZS1	274	KASSVASSDKGSC
37346	Q9BZS1	275	ASSVASSDKGSCC
37347	Q9BZS1	279	ASSDKGSCCIVAA
37348	Q9BZS1	296	PVVPAWSGPREAP
37349	Q9BZS1	304	PREAPDSLFAVRR
37350	Q9BZS1	315	RRHLWGSHGNSTF
37351	Q9BZS1	319	WGSHGNSTFPEFL
37352	Q9BZS1	390	AIRHNLSLHKCFV
37353	Q9BZS1	400	CFVRVESEKGAVW
37354	Q9BZS1	422	KRSQRPSRCNSPT
37355	Q9BZZ5	62	FPELADSAINAQ
37356	Q9BZZ5	77	CEDEDVSIRRQAI
37357	Q9BZZ5	111	LLQTDDSAEFNLV
37358	Q9BZZ5	123	VNNALLSIFKMDA
37359	Q9BZZ5	138	TLGGLFSQILQGE
37360	Q9BZZ5	156	RAIKFLSTKLKTL
37361	Q9BZZ5	179	ELILTESKKVLED
37362	Q9BZZ5	199	LFMKILSGLKSLQ
37363	Q9BZZ5	203	IILSGLKS LQTVSG
37364	Q9BZZ5	208	KSLQTVSGRQQILV
37365	Q9BZZ5	230	EQTFNPSDPDCVD

37366	Q9BZZ5	250	QAVPLFSKNVHST
37367	Q9BZZ5	255	FSKNVHSSTRFVTY
37368	Q9BZZ5	294	KLLAEMSFCGDMD
37369	Q9BZZ5	295	LLAEMSSFCGDME
37370	Q9BZZ5	341	EPKLQFSYVECLL
37371	Q9BZZ5	349	VECLLYSFHQLGR
37372	Q9BZZ5	434	LFHIPPSYKSTVT
37373	Q9BZZ5	437	IPPSYKSTVTLSW
37374	Q9BZZ5	442	KSTVTLSWKPVQK
37375	Q9BZZ5	457	IGQKRASEDTTSG
37376	Q9BZZ5	462	ASEDTTSGSPPKK
37377	Q9BZZ5	464	EDTTSGSPPKKSS
37378	Q9BZZ5	469	GSPPKKSSAGPKR
37379	Q9BZZ5	470	SPPKKSSAGPKRD
37380	Q9BZZ5	485	QIYNPPSGKYSSN
37381	Q9BZZ5	489	PPSGKYSSNLGNF
37382	Q9BZZ5	490	PSGKYSSNLGNFN
37383	Q9BZZ5	506	RGAFRGSRGGRGW
37384	Q9GZN2	14	EDEGLLSLAGKRK
37385	Q9GZN2	29	GNLPKESVKILRD
37386	Q9GZN2	47	RYNAYPSEQEKLS
37387	Q9GZN2	53	SEQEKLSSLGQTN
37388	Q9GZN2	55	QEKLSSLGQTNLS
37389	Q9GZN2	61	SGQTNLSVLQICN
37390	Q9GZN2	94	PNQFTISRRGGKA
37391	Q9GZN2	101	RRGGKASDVALPR
37392	Q9GZN2	109	VALPRGSSPSVLA
37393	Q9GZN2	110	ALPRGSSPSVLA
37394	Q9GZN2	112	PRGSSPSVLA
37395	Q9GZN2	117	PSVLAWSVPAPTN
37396	Q9GZN2	126	APTNVLSSLVCMSM
37397	Q9GZN2	128	TNVLSLSVCMSMPL
37398	Q9GZN2	131	LSLSVCSMPLHSG
37399	Q9GZN2	136	CSMPLHSGQGEKP
37400	Q9GZN2	153	PRGELESPKPLVT
37401	Q9GZN2	162	PLVTPGSTLTLLT
37402	Q9GZN2	174	TRAEGASPTGGLF
37403	Q9GZN2	196	QDKEDFSFQLLV
37404	Q9GZN2	197	DKEDFSSFQLLVE
37405	Q9GZN2	221	QKQQDPSLPLLHT
37406	Q9GZT4	8	CAQYCISFADVEK
37407	Q9GZT4	22	HINIRDISHLTPV
37408	Q9GZT4	31	LTPVLTSSILNQL
37409	Q9GZT4	32	TPVLTSSILNQLT
37410	Q9GZT4	54	LFQKTGSKIRGA
37411	Q9GZT4	66	ALNAVRSLVPDAL
37412	Q9GZT4	83	KAVVTHSGNHGQ
37413	Q9GZT4	84	AVVTHSSGNHGQA
37414	Q9GZT4	124	IQAYGASIVYCEP
37415	Q9GZT4	131	IVYCEPSDESREN
37416	Q9GZT4	134	CEPSDESRENVAK
37417	Q9GZT4	203	VKALKPSVKVYAA
37418	Q9GZT4	212	VYAAEPSNADDY
37419	Q9GZT4	220	ADDCYQSCLKGKL
37420	Q9GZT4	242	IADGVKSIGLNT
37421	Q9GZT4	243	ADGVKSSIGLNTW
37422	Q9GZT4	295	GVAAVLSSQHFQTV
37423	Q9GZT4	302	QHFQTVSPEVKNI

37424	Q9GZT4	313	NICIVL S GGNVDL
37425	Q9GZT4	321	GNDLT S SITWVK
37426	Q9GZT4	322	NVDLT S SITWVKQ
37427	Q9GZT9	12	GGPGGPS P SERDR
37428	Q9GZT9	14	PGGPSP S ERDRQY
37429	Q9GZT9	34	ENLLRCSRCRSSF
37430	Q9GZT9	38	RCSRCS S FYCCK
37431	Q9GZT9	39	CSRCR S FYCCKE
37432	Q9GZT9	61	KLVCQGS E GALGH
37433	Q9GZT9	75	VGPHQHS G PAPPA
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37435	Q9GZT9	125	DPAAA A SPCRAAA
37436	Q9GZT9	136	AAGGQGS A VAAEA
37437	Q9GZT9	153	EEPPARS S LFQEK
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37439	Q9GZT9	166	ANLYPPS N TPGDA
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37442	Q9GZT9	245	QLVSQKS D SSKDI
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37445	Q9GZT9	274	TIGLLMS S MDDLI
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37447	Q9GZT9	289	CNGKL G SYKINGR
37448	Q9GZT9	339	DWDAKV S GGILRI
37449	Q9GZT9	368	RLLFFWS D RRRNPH
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37451	Q9GZV1	35	DGTMED S EAQRA
37452	Q9GZV1	83	KHHGAQS A LQKV
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37454	Q9GZV1	173	FLADGGS A DTCDQ
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37456	Q9GZV1	235	VVKLLQS H GADTN
37457	Q9GZV1	248	VRDKLL S TPLHVA
37458	Q9GZV1	268	IVEHFL S LGLEIN
37459	Q9GZV1	349	LEGPND S GRETPQ
37460	Q9GZV5	34	LEALFNS V MNPKP
37461	Q9GZV5	41	VMNPKP S SWRKKI
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37464	Q9GZV5	58	FFKEPD S GSHSRQ
37465	Q9GZV5	60	KEPD S GSRSQSS
37466	Q9GZV5	62	PDSGSH S RQSSTD
37467	Q9GZV5	65	GSHSRQ S STDSSG
37468	Q9GZV5	66	SHSRQ S STDSSGG
37469	Q9GZV5	69	RQSSTD S GGHPGP
37470	Q9GZV5	70	QSSTD S GGHPGP
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37472	Q9GZV5	90	HVRSH S SPASLQL
37473	Q9GZV5	93	SHSSPAS L QLGTG
37474	Q9GZV5	117	AHLRQ S YDVTDE
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37476	Q9GZV5	174	LHPAV S STPVPQR
37477	Q9GZV5	181	TPVPQR S MAVSQP
37478	Q9GZV5	185	QRSMAV S QPNLVM
37479	Q9GZV5	202	QQQMAP S TLSQQN
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37481	Q9GZV5	220	PPAGL M SMPNALT

37482	Q9GZV5	290	MTPDMRSITNNSS
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37485	Q9GZV5	307	NGGPYHSREQSTD
37486	Q9GZV5	314	REQSTDSSLGLGC
37487	Q9GZV5	322	LGLGCYSVPTTPE
37488	Q9GZV5	332	TPEDFLSNVDEMD
37489	Q9GZV5	376	DLGTLESEDLIPL
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37493	Q9GZX7	66	LFLRYISDWLDP
37494	Q9GZX7	83	RVTWFTSWSPCYD
37495	Q9GZX7	85	TWFTSWSPCYDCA
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37497	Q9GZX7	169	EGLHENSVRLSRQ
37498	Q9GZX7	173	ENSVRLSRQLRRI
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37502	Q9GZY6	44	KIYQQRSLRREDQQ
37503	Q9GZY6	51	LREDQQSFTGSRT
37504	Q9GZY6	55	QQSFTGSRTRYSLV
37505	Q9GZY6	59	TGSRTYSLVGQAW
37506	Q9GZY6	86	LLQFYPSLEDPAS
37507	Q9GZY6	92	SLEDPASSRYQNF
37508	Q9GZY6	93	LEDPASSRYQNFS
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37510	Q9GZY6	102	QNFSKGSRHGSEE
37511	Q9GZY6	106	KGSRHGSEEAYID
37512	Q9GZY6	125	YNWGRFSSKPPEDD
37513	Q9GZY6	135	EDDDANSYENVLI
37514	Q9GZY6	165	LCRGDLSSLALAK
37515	Q9GZY6	167	RGDLSLSSLALKTG
37516	Q9GZY6	176	LKTGPTSSLCPSCA
37517	Q9GZY6	181	TSSLCPSSASPEED
37518	Q9GZY6	183	GLCPSSASPEEDEE
37519	Q9GZY6	190	PEEDEESSEDYQNS
37520	Q9GZY6	196	SEDYQNSASIHQW
37521	Q9GZY6	198	DYQNSASIHQWRE
37522	Q9GZY6	205	IHQWRESRKVMGQ
37523	Q9GZY6	217	QLQREASPGVGS
37524	Q9GZY6	223	SPGPVGSPPDEEDG
37525	Q9H063	8	KLLENSSEFAINS
37526	Q9H063	14	SFEAINSQLTVET
37527	Q9H063	31	IIGRIESYSCKMA
37528	Q9H063	33	GRIESYSCKMAGD
37529	Q9H063	73	LSPSRLSSLQGGE
37530	Q9H063	85	EEEGPLSSLKCSRK
37531	Q9H063	89	PLSDKCSRKTLY
37532	Q9H063	103	IATLNESFRPDYD
37533	Q9H063	111	RPDYDFSTARSH
37534	Q9H063	115	DFSTARSHFSRE
37535	Q9H063	119	ARSHEFSREPSLS
37536	Q9H063	123	EFSREPSLSWVVN
37537	Q9H063	125	SREPSLSSLWVVNAV
37538	Q9H063	134	VNAVNCSSLFSAVR
37539	Q9H063	137	VNCSSLFSAVREDF

37540	Q9H063	167	AECDIYSYNPDLD
37541	Q9H063	174	YNPDLDSDPFGED
37542	Q9H063	182	PFGEDGSLWSFNY
37543	Q9H063	185	EDGSLWSFNYFFY
37544	Q9H063	202	KRIVFFSCRSISG
37545	Q9H063	205	VFFSCRSISGSTY
37546	Q9H063	207	FSCRSISGSTYTP
37547	Q9H063	209	CRSISGSTYTPSE
37548	Q9H063	233	EEVEEESRSGGGSG
37549	Q9H063	235	VEEESRSGGSGAE
37550	Q9H063	238	ESRSGGSgaeTS
37551	Q9H063	244	SGAEETSTMEEDR
37552	Q9H093	10	LVFARRSGPTPSA
37553	Q9H093	15	RSGPTPSAAELAR
37554	Q9H093	30	AEGLIKS PKPLMK
37555	Q9H093	74	KKARESSGRLVAI
37556	Q9H093	122	HEVFENS SKIVIV
37557	Q9H093	123	EVFENSSKIVIVM
37558	Q9H093	142	DLYDYISERQQLS
37559	Q9H093	148	SERQQLSEREARH
37560	Q9H093	197	IADFGLSNLYHQG
37561	Q9H093	217	GSPLYASPEIVNG
37562	Q9H093	233	TGPEVDSWSLGVL
37563	Q9H093	263	ILVKQISNGAYRE
37564	Q9H093	274	REPPKPSDAGLI
37565	Q9H093	331	SDSARAS MADWLR
37566	Q9H093	340	DWLRRSSRPLLLEN
37567	Q9H093	373	GLERQHS LKKSRK
37568	Q9H093	377	QHSLKKSRKENDM
37569	Q9H093	386	ENDMAQS LHSDTA
37570	Q9H093	402	AHRPGKSNLKLKP
37571	Q9H093	416	ILKKKV SASAEGV
37572	Q9H093	430	EDPPELSPIPASP
37573	Q9H093	462	ESGYYSSPEPSSES
37574	Q9H093	480	AGDVFVS GDPKEQ
37575	Q9H093	523	APTTFGSLDELAP
37576	Q9H093	537	RPLARAS RPSGAV
37577	Q9H093	540	ARASRPS GAVSED
37578	Q9H093	550	SEDSILS SESFDQ
37579	Q9H093	551	EDSILS SESFDQL
37580	Q9H093	553	SILSSES FDQLDL
37581	Q9H093	573	PLRGCVSVDNLTG
37582	Q9H093	590	PSEGPGS CLRRWR
37583	Q9H093	606	LGDSCFS LTD CQE
37584	Q9H0H5	23	RRVEILSEGNEVQ
37585	Q9H0H5	112	MLMCDTSGSIQLS
37586	Q9H0H5	114	MCDTSGS IQLSEE
37587	Q9H0H5	118	SGSIQL SEEQKSA
37588	Q9H0H5	123	LSEEQKS ALAFLN
37589	Q9H0H5	135	NRGQPSS SNAGNK
37590	Q9H0H5	144	AGNKRLS TIDESG
37591	Q9H0H5	151	TIDESGS ILSDIS
37592	Q9H0H5	169	ESLDWDSS LVKTF
37593	Q9H0H5	185	KREKRRSTS RQFV
37594	Q9H0H5	187	EKRRSTS RQFV
37595	Q9H0H5	234	GPIEAVS TIETVP
37596	Q9H0H5	245	VPYWTRS RRKTGT
37597	Q9H0H5	259	QPWNNSD STLNSRQ

37598	Q9H0H5	356	MLADFVSQTSPMI
37599	Q9H0H5	359	DFVSQTS T PMI P SI
37600	Q9H0H5	364	TSPMIPSIVVHCV
37601	Q9H0H5	420	DIHAIC S LLKDFL
37602	Q9H0H5	454	ITDEDNSIAAMYQ
37603	Q9H0H5	486	LQRVAQS P HTKMD
37604	Q9H0H5	533	VVERLLS L PLEYW
37605	Q9H0H5	540	LPLEYWSQFMMVE
37606	Q9H0H5	559	LHVIENSNAFSTP
37607	Q9H0H5	563	ENSNAF S TPQTPD
37608	Q9H0H5	573	TPDIKV S LLGPVT
37609	Q9H0H5	590	QLLKTP S SSLSQ
37610	Q9H0H5	591	LLKTP S SSLSQR
37611	Q9H0H5	592	LKTP S SSLSQRV
37612	Q9H0H5	595	PSSSSL S QRVRST
37613	Q9H0H5	611	NTPRFG S KSKSAT
37614	Q9H0H5	613	PRFGSK S KSATNL
37615	Q9H0K1	90	QVMETK S MLYLVT
37616	Q9H0K1	202	PQLDIW S MGVVLY
37617	Q9H0K1	257	MLVLDPS K RLTIA
37618	Q9H0K1	322	ESLQNKS Y NHF A
37619	Q9H0K1	339	LVERLKS H RSSFP
37620	Q9H0K1	379	LPVTMHS P NMRLL
37621	Q9H0K1	445	GCQSLPS N METS
37622	Q9H0K1	451	SNMMETS I DEGLE
37623	Q9H0K1	509	SMNDSP S LDSVDS
37624	Q9H0K1	512	DSPSLDS V SEYD
37625	Q9H0K1	515	SLDSVD S YEYDMGS
37626	Q9H0K1	521	SEYDMGS V QRDLN
37627	Q9H0K1	545	MLANQPS P RMTSP
37628	Q9H0K1	579	HNRSPVS F REGRR
37629	Q9H0K1	652	CPQEEVS Q QQESV
37630	Q9H0K1	657	VSQQQE S VSTLPA
37631	Q9H0K1	659	QQQESV S TL P ASV
37632	Q9H0K1	664	VSTLPAS V HPQLS
37633	Q9H0K1	670	SVHPQLS P RQSLE
37634	Q9H0K1	674	QLSPRQS L E T QYL
37635	Q9H0K1	688	HRLQKPS L LSKAQ
37636	Q9H0K1	707	CKEPPRS L EQQQLQ
37637	Q9H0K1	743	MQIAESS S YPQPSQ
37638	Q9H0K1	762	QETPPPS Q QAPPF
37639	Q9H0K1	775	SLTQPLS P VLEPS
37640	Q9H0K1	781	SPVLEPS S EQMQY
37641	Q9H0K1	782	PVLEPS S EQMQYS
37642	Q9H0K1	788	SEQMQYS P FLSQY
37643	Q9H0K1	792	QYSPFLS Q YQEMQ
37644	Q9H0K1	853	QTCELP S AASPAP
37645	Q9H0K1	856	ELPSAAS P APDYP
37646	Q9H0K1	875	VDGAQQS D LTGPD
37647	Q9H0K1	893	GLQEAPS S SYDPLA
37648	Q9H0NO	23	VFLGEQS V AKTSL
37649	Q9H0NO	28	QSVAKTS L ITRFR
37650	Q9H0NO	37	TRFRYDS F DNTYQ
37651	Q9H0NO	52	IGIDFLS K TMYLE
37652	Q9H0NO	77	GQERLRS L IPRYI
37653	Q9H0NO	86	PRYIRD S AAAVVV
37654	Q9H0NO	100	DITNVNS F QQTTK
37655	Q9H0NO	117	VRTERGS D VIITL

37656	Q9H0N0	137	ADKRQVSVEEGER
37657	Q9H0N0	179	ALPGMES T QDGSR
37658	Q9H0N0	184	ESTQDG S REDMSD
37659	Q9H0N0	189	GSREDMS D IKLEK
37660	Q9H0N0	202	PQEQT V SEGGCSC
37661	Q9H0N0	207	VSEG G C S CYSPMS
37662	Q9H0N0	210	GGC S C Y SPMSST
37663	Q9H0N0	213	SCYSPMS S STLPQ
37664	Q9H0N0	214	CYSPMSS S STLPQK
37665	Q9H0N0	215	YSPMSS S TLQPKP
37666	Q9H0N0	224	PQKPPY S FIDCSV
37667	Q9H0N0	229	YSFIDCSVNIGLN
37668	Q9H0N0	239	GLNLFP S LITFCN
37669	Q9H0N0	246	LITFCNS S LLPVs
37670	Q9H0S4	9	APEEHDS P TEASQ
37671	Q9H0S4	14	DSPTEA S QPIVEE
37672	Q9H0S4	72	GLAET G S G KTGAF
37673	Q9H0S4	109	ELAFQ I SEQFEAL
37674	Q9H0S4	117	QFEAL G S I GVQS
37675	Q9H0S4	118	FEALG S S IGVQSA
37676	Q9H0S4	123	SSIGVQ S AVIVGG
37677	Q9H0S4	132	IVGGID S MSQSLA
37678	Q9H0S4	134	GGIDSMS Q SLALA
37679	Q9H0S4	136	IDSMS Q SLALAKK
37680	Q9H0S4	205	RKTFLF S ATMTKK
37681	Q9H0S4	229	PVKCAV S SKYQTV
37682	Q9H0S4	230	VKCAV S SKYQTVE
37683	Q9H0S4	247	YYIFIPS K FKDTY
37684	Q9H0S4	265	NELAGNS F MIFCS
37685	Q9H0S4	271	SFMIFCS T CNNTQ
37686	Q9H0S4	298	PLHGQMS Q SKRLG
37687	Q9H0S4	300	HGQMS Q SKRLGSL
37688	Q9H0S4	305	QSKRLG S LNKFKA
37689	Q9H0S4	315	FKAKARS I LLATD
37690	Q9H0S4	324	LATDVA S RGLDIP
37691	Q9H0S4	344	FDIPTH S KDYIHR
37692	Q9H0S4	360	TARAGRS G KAITF
37693	Q9H0S4	424	GEKKR S REDAGD
37694	Q9H1A4	103	GNMVIWS K GSKSQ
37695	Q9H1A4	192	GLLFERSASSHEV
37696	Q9H1A4	227	TPLVCK S GSLFGS
37697	Q9H1A4	254	FLNTDPS I VMTYD
37698	Q9H1A4	298	PQNVTAT S SSLTAH
37699	Q9H1A4	307	LTAHLRS L SKGDS
37700	Q9H1A4	329	SSIHSQ S RSTSSP
37701	Q9H1A4	339	SSPSL H SRSPSIS
37702	Q9H1A4	351	SNMAAL S RAHSPA
37703	Q9H1A4	699	PKKARP S ETGSD
37704	Q9H1A4	731	NRSLCL S PSEASQ
37705	Q9H1A4	736	LSPSEAS Q MKDED
37706	Q9H1A4	744	MKD E DFS Q NLSLD
37707	Q9H1A4	748	DFSQN L LDSSL
37708	Q9H1A4	752	NLSLD S STLLFTH
37709	Q9H1A4	835	GFMHHPSFFTSEP
37710	Q9H1A4	870	PGICER S RLVVLS
37711	Q9H1A4	893	LVSDESS Q YLTRI
37712	Q9H1A4	920	RFSFRH S TSVSSL
37713	Q9H1A4	922	SFRHST S VSSLAE

37714	Q9H1A4	968	CREQPASDWPEAV
37715	Q9H1A4	984	IGRQDLSKQACEG
37716	Q9H1A4	997	NLPKGKSVLSSDV
37717	Q9H1A4	1000	KGKSVLSSDVPSG
37718	Q9H1A4	1151	LKIAPASQIDSAY
37719	Q9H1A4	1293	YCTDRESYSLAAG
37720	Q9H1A4	1449	EIELPCSEDLNLE
37721	Q9H1A4	1530	AMVMAGSGNLKVL
37722	Q9H1A4	1681	ELLIDLTKGTQHL
37723	Q9H1A4	1773	ILDLFSSVLYECV
37724	Q9H1A4	1883	LEESQLSMLACFL
37725	Q9H1D0	22	DVAPRLSPVRVWP
37726	Q9H1D0	44	LHPMGLSLPKEKG
37727	Q9H1D0	57	LILCLWSKFCRWF
37728	Q9H1D0	68	WFQRRESWAQSRD
37729	Q9H1D0	72	RESWAQSREDEQNL
37730	Q9H1D0	87	QKRIWESPLLAA
37731	Q9H1D0	152	VFEPMTSELYEGQ
37732	Q9H1D0	182	LLARRASVSARAT
37733	Q9H1D0	184	ARRASVSARATGT
37734	Q9H1D0	195	GTAFRRSPCNLIY
37735	Q9H1D0	208	FGEHPLSFAACVN
37736	Q9H1D0	215	FAACVNSEEIVRL
37737	Q9H1D0	234	DIRAQDSLGNQTVL
37738	Q9H1D0	261	MYNLLSYDRHGD
37739	Q9H1D0	315	TYGPLTSTLYDLT
37740	Q9H1D0	325	DLTEIDSSGDEQS
37741	Q9H1D0	326	LTEIDSSGDESQL
37742	Q9H1D0	331	SSGDEQSLLELII
37743	Q9H1D0	358	PVKELVSLWKRY
37744	Q9H1D0	401	RTNNRTSPRDNTL
37745	Q9H1D0	486	MVMRLISASGEVV
37746	Q9H1D0	488	MRLISASGEVVP
37747	Q9H1D0	546	VILGFASAFYIIF
37748	Q9H1D0	572	YPMALFSTFELFL
37749	Q9H1D0	596	DLPFMYSITYAAF
37750	Q9H1D0	656	RCLWPRSICGRE
37751	Q9H1D0	696	AFHTRGSEDLDKD
37752	Q9H1D0	703	EDLDKDSVEKLEL
37753	Q9H1D0	723	LSLPMPSSVRSTS
37754	Q9H1D0	727	MPSVSRSTSRSWA
37755	Q9H1D0	729	SVSRSTSRSANW
37756	Q9H1D0	731	SRSTSRSANWER
37757	Q9H1D0	732	RSTSRSANWERL
37758	Q9H1Y3	31	APAGTLSAPLFS
37759	Q9H1Y3	37	SPAPLFSPGTYER
37760	Q9H1Y3	50	LALLLGSIGLLGV
37761	Q9H1Y3	84	LLLNVNISLSDLV
37762	Q9H1Y3	86	LVNISLSDLVSL
37763	Q9H1Y3	91	LSDLLVSLFGVT
37764	Q9H1Y3	101	VTFTFVSCLRNGW
37765	Q9H1Y3	120	CVWDGFSGSLFGI
37766	Q9H1Y3	122	WDGFSGSLFGIVS
37767	Q9H1Y3	128	SLFGIVSIATLT
37768	Q9H1Y3	152	ARVINFSWAWRAI
37769	Q9H1Y3	165	TYIWLYSLAWAGA
37770	Q9H1Y3	194	CTVDWKSKDANDS
37771	Q9H1Y3	200	SKDANDSSFVLFL

37772	Q9H1Y3	201	KDANDSSFVLFLF
37773	Q9H1Y3	228	YGHILYSIRMLRC
37774	Q9H1Y3	291	LVTPTISIVSYLF
37775	Q9H1Y3	294	PTISIVSYLFAKS
37776	Q9H1Y3	300	SYLFAKSNTVYNP
37777	Q9H1Y3	319	IRKFRRSLLQLLC
37778	Q9H1Y3	343	DLPAAGSEMQIRP
37779	Q9H1Y3	353	IRPIVMSQKDGDGR
37780	Q9H1Y3	368	KKVTFNASSIIIFI
37781	Q9H1Y3	369	KVTFNASSIIIFI
37782	Q9H1Y3	370	VTFNASSIIIFIIT
37783	Q9H1Y3	377	IIFIITSDESLSV
37784	Q9H1Y3	380	IITSDELSVDDSDK
37785	Q9H1Y3	382	TSDESLSVDDSDK
37786	Q9H1Y3	386	SLSVDDSDKTNGS
37787	Q9H1Y3	392	SDKTNGSKVDVIQ
37788	Q9H211	31	LACRTPSPARPAL
37789	Q9H211	42	ALRAPASATSGSR
37790	Q9H211	45	APASATSGSRKRA
37791	Q9H211	47	ASATSGSRKRARP
37792	Q9H211	78	LSVDEVSPPSTPE
37793	Q9H211	79	SVDEVSSPSTPEA
37794	Q9H211	81	DEVSSPSTPEAPD
37795	Q9H211	93	DIPACPSPGQKIK
37796	Q9H211	113	QPPHLTSQAQQDT
37797	Q9H211	121	QDQDTISELASCL
37798	Q9H211	125	TISELASCLQRAR
37799	Q9H211	150	AQDAGESCTPEAE
37800	Q9H211	199	LAEMFRSMDTIVG
37801	Q9H211	211	GMLHNRSETPTFA
37802	Q9H211	246	KTVYPASYRFRQE
37803	Q9H211	265	KDGTRRSDYQLTI
37804	Q9H211	289	APQLTASRLLQRR
37805	Q9H211	316	HKAFLASLSPAMV
37806	Q9H211	318	AFLASLSPAMVVP
37807	Q9H211	372	RARNLISPRMEKA
37808	Q9H211	380	RMEKALSQALRS
37809	Q9H211	386	SQLALRSAAPSSP
37810	Q9H211	390	LRSAAPSPGSPPR
37811	Q9H211	391	RSAAPSSPGSPRP
37812	Q9H211	394	APSSPGSPRPALP
37813	Q9H211	411	ATPPAAPSALKG
37814	Q9H211	463	LARVLRSVFVUSER
37815	Q9H211	467	LRSVFVSERKPAL
37816	Q9H211	474	ERKPALSMEVACA
37817	Q9H211	485	CARMVGSCCTIMS
37818	Q9H211	491	SCCTIMS PGEMEK
37819	Q9H211	503	KHLLLLSELLPDW
37820	Q9H211	511	LLPDWLSSLHRIRT
37821	Q9H2D6	44	QELRSPSGAEVPY
37822	Q9H2D6	104	PTAAPRSRSRELE
37823	Q9H2D6	140	PTSSPDSATPDDT
37824	Q9H2D6	150	DDTSNSSSVDWDT
37825	Q9H2D6	186	EGPRADSSQRAPS
37826	Q9H2D6	192	SSQRAPSLLTRSP
37827	Q9H2D6	250	SSMTPHSGPRSTT
37828	Q9H2D6	294	DTSRASSSTQQEIS
37829	Q9H2D6	344	NTPRASSPSRSTQ

37830	Q9H2D6	346	PRASSPSRSTQLD
37831	Q9H2D6	405	RENSRTSCAQRDN
37832	Q9H2D6	431	RDNPRTSCAQRDN
37833	Q9H2D6	468	RASRTSSPNRATR
37834	Q9H2D6	685	RDNPRASSPSRTI
37835	Q9H2D6	686	DNPRASSPSRTIQ
37836	Q9H2D6	723	QENPRTSCARRDN
37837	Q9H2D6	826	QQNIPRSSTSSTQD
37838	Q9H2D6	827	QNIIPRSSSTQQDN
37839	Q9H2D6	869	NPGTSSSQCCTQK
37840	Q9H2D6	896	NNPRNSSPHRTNK
37841	Q9H2D6	964	HDPPQSSFGPTQY
37842	Q9H2D6	1092	PFLPDTSDAEHQC
37843	Q9H2D6	1248	PSPSPGSGGSRG
37844	Q9H2D6	1347	QLLRRQSSPAPSR
37845	Q9H2D6	1487	SREYKESWGQPEA
37846	Q9H2D6	1766	FNPFLLSLGVLRW
37847	Q9H2D6	1796	EPGEPPSPSLTTT
37848	Q9H2D6	1900	VTKLSDSNKENAL
37849	Q9H2D6	2062	ERRGPPSDGHEAL
37850	Q9H2D6	2091	QGEAPQSAALRSQE
37851	Q9H2D6	2107	IIPGYISQEACER
37852	Q9H2D6	2210	VLSEQYSQKCLEI
37853	Q9H2D6	2274	GNGCGRSNERSSC
37854	Q9H2G4	16	AKTRRLSSESPO
37855	Q9H2G4	17	KTRRLSSSESPQR
37856	Q9H2G4	99	ECPGWDSTIESGY
37857	Q9H2G4	114	APPPTESLEALPT
37858	Q9H2G4	127	PEASGGSLEIFQ
37859	Q9H2G4	137	DFQVVQSSFGGE
37860	Q9H2G4	138	FQVVQSSFGGE
37861	Q9H2G4	139	QVVQSSFGGE
37862	Q9H2G4	150	GALETCSAVGWAP
37863	Q9H2G4	182	DEDERE SMRSSRR
37864	Q9H2G4	185	ERESMRSSRRRRR
37865	Q9H2G4	186	RESMRSSRRRRR
37866	Q9H2G4	204	RKVKRESRERNAE
37867	Q9H2G4	303	QDLRHISMGYKMK
37868	Q9H2G4	332	EFQRNRSGRLVSH
37869	Q9H2G4	337	RSGRLVSHSTPIR
37870	Q9H2G4	361	HGNQDASHSFFSW
37871	Q9H2G4	363	NQDASHSFFSWFS
37872	Q9H2G4	366	ASHSFFSWFSNHS
37873	Q9H2G4	369	SFFSWFSNHSLPE
37874	Q9H2G4	401	YLRERGSRIKRKK
37875	Q9H2G4	441	DIFSEISDIDETI
37876	Q9H2G4	453	IHDIKISDFMETT
37877	Q9H2G4	498	TTDNNESADDHET
37878	Q9H2G4	510	TTDNNESADDNNE
37879	Q9H2G4	558	HGNQDSSDSDNE
37880	Q9H2G4	559	GNNQDSSDSDNEA
37881	Q9H2G4	561	NQDSSDSDNEADE
37882	Q9H2G4	584	EGDNEGSDDDGNE
37883	Q9H2G4	628	DVIEIIIDESVEE
37884	Q9H2G4	671	GEDSDDSLEDVL
37885	Q9H2K2	100	PLHNACSGHAEV
37886	Q9H2K2	167	LDLADPSAKAVLT
37887	Q9H2K2	187	LLESARSNEEKM

37888	Q9H2K2	212	ASDGRKSTPLHLA
37889	Q9H2K2	253	PLHNACSYGHYEV
37890	Q9H2K2	294	NRVEVCSSLLSYG
37891	Q9H2K2	352	RIKKHLSLEMVNF
37892	Q9H2K2	408	TPLHVASEKAHND
37893	Q9H2K2	454	TCRLLLSYGCDPN
37894	Q9H2K2	463	CDPNIISLQGFTA
37895	Q9H2K2	486	LLQEGISLGNSEA
37896	Q9H2K2	527	DIEGRQSTPLHFA
37897	Q9H2K2	540	AGYNRVSVVEYLL
37898	Q9H2K2	680	DTQGRHSTPLHLA
37899	Q9H2K2	830	ALSSGPSSPSSLS
37900	Q9H2K2	834	GPSSPSSLASAASS
37901	Q9H2K2	836	SPPSSLASAASSLD
37902	Q9H2K2	847	LDNLSGSFSELSS
37903	Q9H2K2	849	NLSGSFSELSSVV
37904	Q9H2K2	852	GSFSELSSVVS
37905	Q9H2K2	853	SFSELSSVSSSG
37906	Q9H2K2	856	ELSSVVSSSGTEG
37907	Q9H2K2	857	LSSVVSSSGTEGA
37908	Q9H2K2	858	SSVVSSSGTEGAS
37909	Q9H2K2	865	GTEGASSLEKKEV
37910	Q9H2K2	877	VPGVDFSITQFVR
37911	Q9H2K2	935	GVERLISGQQGLN
37912	Q9H2K2	949	YLTLNTSGSGTIL
37913	Q9H2K2	974	VEEEMQSITVREHR
37914	Q9H2K2	1033	RMLFHGSQPVNAI
37915	Q9H2K2	1068	AENSSKSQNQYVG
37916	Q9H2K2	1106	RVTLGKSFLQFSA
37917	Q9H2K8	47	ATNAHTSEVVAIK
37918	Q9H2K8	58	IKKMSYSRKQTHE
37919	Q9H2K8	109	YCLGSASDLLEVH
37920	Q9H2K8	140	GLAYLHSHALIHR
37921	Q9H2K8	170	ADFGSASMAS PAN
37922	Q9H2K8	206	GKVDIWSLGITCI
37923	Q9H2K8	228	FNMNAMSALYHIA
37924	Q9H2K8	243	DSPTLQSNEWTDS
37925	Q9H2K8	249	SNEWTDSFRRFVD
37926	Q9H2K8	336	DSEHGTSLNREM D
37927	Q9H2K8	343	LNREMDSLGSNHS
37928	Q9H2K8	346	EMDSLGSNHSIPS
37929	Q9H2K8	349	SLGSNHSIPSMSV
37930	Q9H2K8	352	SNHSIPSMSVSTG
37931	Q9H2K8	366	QSSSVNSMQEVMD
37932	Q9H2K8	375	EVMDESSSELVMM
37933	Q9H2K8	376	VMDESSSELVMMH
37934	Q9H2K8	386	MMHDDESTINSS
37935	Q9H2K8	391	ESTINSSSSVVHK
37936	Q9H2K8	393	TINSSSSVVHKKD
37937	Q9H2K8	421	EPRPTQS VQS QAL
37938	Q9H2K8	462	ELREQMSGYKRMR
37939	Q9H2K8	504	ETHANNSSIELEK
37940	Q9H2K8	505	THANNSSIELEKL
37941	Q9H2K8	551	LTTFLESQKKQYK
37942	Q9H2K8	572	EMNEDHS TPKKEK
37943	Q9H2K8	655	LIRHDES TRELEY
37944	Q9H2K8	775	AEQYEQSINEMMA
37945	Q9H2K8	814	LLNAYQS KIKM QT

37946	Q9H2K8	858	ALQKERSERIKNL
37947	Q9H2W2	34	ALLPPPSPAAALL
37948	Q9H2W2	69	APPPPASLGSPAP
37949	Q9H2W2	72	PPASLGS PAPPKG
37950	Q9H2W2	83	KGAAAPSASQRK
37951	Q9H2W2	85	AAAPSASQRRKRT
37952	Q9H2W2	92	QRRKRTSFSAEQL
37953	Q9H2W2	94	RKRTSFSAEQLQL
37954	Q9H2W2	128	LTLLPESRIQVWF
37955	Q9H2W2	141	QNRRAKSRRQSGK
37956	Q9H2W2	145	AKSRRQSGKSFQP
37957	Q9H2W2	148	RRQSGKS FQPLAR
37958	Q9H2W2	195	GVGGGI S DSSSQG
37959	Q9H2W2	197	GGGISDSS SSQGQN
37960	Q9H2W2	198	GGISDSS SQGQNF
37961	Q9H2W2	199	GISDSS SQGQNF
37962	Q9H2W2	208	QNFETCSPLSEDI
37963	Q9H2W2	211	ETCSPLSEDIGSK
37964	Q9H2W2	216	LSEDIGSKLDSWE
37965	Q9H2W2	220	IGSKLDS WEEHIF
37966	Q9H300	20	GQAWGAS V GGRSC
37967	Q9H300	25	ASVGGRS CEELT A
37968	Q9H300	77	GEAYKRS ALIPPV
37969	Q9H300	91	ETVFYPS PYPIRS
37970	Q9H300	97	SPYPIRS LIKPLF
37971	Q9H300	115	TGCAFGS AAIWQY
37972	Q9H300	123	AIWQYES LKSRVQ
37973	Q9H300	126	QYESLK S RVQSYF
37974	Q9H300	130	LKSRVQ S YFDGIK
37975	Q9H300	142	KADWLDS IRPQKE
37976	Q9H300	163	KWWNNL S DGQRTV
37977	Q9H300	187	CLWRVPS L QRTMI
37978	Q9H300	198	MIRYFT S NPASKV
37979	Q9H300	202	FTSNPAS K VLCSP
37980	Q9H300	207	ASKVLCS PMLLST
37981	Q9H300	212	CSPMLLS TFSHFS
37982	Q9H300	215	MLLSTFS HFSLFH
37983	Q9H300	218	STFSHFS LFHMAA
37984	Q9H300	231	NMYVLWS FSSSIV
37985	Q9H300	233	YVLWSF SSSIVNI
37986	Q9H300	234	VLWSFSS SIVNIL
37987	Q9H300	235	LWSFSSS IVNILG
37988	Q9H300	251	FMAVYLS AGVISN
37989	Q9H300	256	LSAGVI S NFV SYV
37990	Q9H300	260	VISNFV S YVGKVA
37991	Q9H300	273	TGRYGPS LGASGA
37992	Q9H300	277	GPSLGAS GAIMTV
37993	Q9H307	68	RRGFSDS GGGPPA
37994	Q9H307	96	RRTRRES RQESDP
37995	Q9H307	259	QKLIEE S QRKMNA
37996	Q9H307	289	ARPRRQ S MKEKEH
37997	Q9H307	375	ETEVRE S EKQQDS
37998	Q9H307	441	PDKECKS LSPGKE
37999	Q9H307	443	KECKSL S PGKENV
38000	Q9H307	466	EKEEKE S EPQPEP
38001	Q9H307	496	S QPVLQS QPPSQP
38002	Q9H307	500	LQSQPPS QPEDILS
38003	Q9H307	534	KDFPVE S VKLTEV

38004	Q9H307	552	LTVHPESKSKTKT
38005	Q9H307	560	SKTKTRSRSGRA
38006	Q9H307	573	RNKTSKRSRSSS
38007	Q9H307	579	SRSRSSSSSSSSS
38008	Q9H307	581	SRSSSSSSSSSSS
38009	Q9H307	587	SSSSSSSTSSSSG
38010	Q9H307	591	SSSTSSSGSSSS
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38012	Q9H307	597	SSGSSSSGSSSS
38013	Q9H307	602	SSSGSSSSRSSSS
38014	Q9H307	603	SSGSSSSRSSSS
38015	Q9H307	612	SSSSSSSTSGSSS
38016	Q9H307	616	SSSTSGSSSRDSS
38017	Q9H307	617	SSTSGSSSRDSSS
38018	Q9H307	621	GSSSRDSSSTSS
38019	Q9H307	626	DSSSSTSSESER
38020	Q9H307	628	SSSTSSSESRSR
38021	Q9H307	631	TSSSSESRSRSRG
38022	Q9H307	649	DRKHRRSVDRKRR
38023	Q9H307	663	TSGLERSHKSSKG
38024	Q9H307	690	RSDRKRSISESSR
38025	Q9H307	701	SRSGKRSRSERD
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38028	Q9H3K6	41	FRVLVVSAKFEGK
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38030	Q9H3Y6	33	DHGTPGSLDPNTD
38031	Q9H3Y6	50	LPAEPCSPFPQLF
38032	Q9H3Y6	71	RCGGELSVRRGDR
38033	Q9H3Y6	94	IFARRLSGQPSAG
38034	Q9H3Y6	98	RLSGQPSAGLVPI
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38036	Q9H3Y6	116	ASPETLSDQPWYF
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38038	Q9H3Y6	126	WYFSGVSRTQAQQ
38039	Q9H3Y6	136	AQQLLSPPNEPG
38040	Q9H3Y6	149	AFLIRPSESSLGG
38041	Q9H3Y6	151	LIRPSESLLGGYS
38042	Q9H3Y6	152	IRPSESSLGGYSL
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38044	Q9H3Y6	159	LGGYSLSVRAQAK
38045	Q9H3Y6	172	VCHYRVSMAADGS
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38048	Q9H3Y6	252	EGLWLGSLPVAIK
38049	Q9H3Y6	262	AIKVIKSANMKT
38050	Q9H3Y6	293	RLHAVCSGGEPVY
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38052	Q9H3Y6	381	LKDDIYSPSSSSK
38053	Q9H3Y6	383	DDIYSPSSSSKIP
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38055	Q9H3Y6	385	IYSPSSSSKIPVK
38056	Q9H3Y6	404	ANYRVFSQLSDVW
38057	Q9H3Y6	407	RVFSQKSJVWSFG
38058	Q9H3Y6	411	QKSDVWSFGVLLH
38059	Q9H3Y6	465	MLECWRSSPEERP
38060	Q9H3Y6	466	LECWRSPEERPS
38061	Q9H3Y6	472	SPEERPSFATLRE

38062	Q9H3Z4	12	QRSLSTSGESLYH
38063	Q9H3Z4	28	LDKNATSDDIKKS
38064	Q9H3Z4	34	SDDIKKSYRKLAL
38065	Q9H3Z4	81	IYDKYGSLGLYVA
38066	Q9H3Z4	102	NTYFVLSSWWAKA
38067	Q9H3Z4	103	TYFVLSSWWAKAL
38068	Q9H3Z4	151	ETEFYVSPEDLEA
38069	Q9H3Z4	161	LEAQLQSDEREAT
38070	Q9H3Z4	177	IVIQPASATETTQ
38071	Q9H3Z4	188	TQLTADSHPSYHT
38072	Q9H400	23	CCALLLSLWALCT
38073	Q9H400	54	RARLQGSATAAEAA
38074	Q9H400	61	ATAAEASLLRRTH
38075	Q9H400	70	RRTHLCSSLKSDT
38076	Q9H400	72	THLCSSLKSDTRL
38077	Q9H400	74	LCSLSKS DTRLHE
38078	Q9H400	87	LHRGPRSSRALRP
38079	Q9H400	88	HRGPRSSRALRPA
38080	Q9H400	95	RALRPASMDLLRP
38081	Q9H400	107	PHWLEVSRDITGP
38082	Q9H400	118	GPQAAPSAFPHQE
38083	Q9H400	146	GLEATYSNVGLAA
38084	Q9H400	157	AALPGVSLAASPV
38085	Q9H400	161	GVSLAASPVVAEY
38086	Q9H400	179	RKGTHRSPQEQQ
38087	Q9H400	201	QVDVLYSRVCKPK
38088	Q9H400	247	RALDVDSGLEENV
38089	Q9H400	256	LENVYESIRELGD
38090	Q9H400	267	GDPAGRSTCGAG
38091	Q9H400	268	DPAGRSTCGAGT
38092	Q9H400	278	AGTPPASCP SLG
38093	Q9H400	279	GTPPASSCPSLGR
38094	Q9H400	282	PASSCP SLRGWR
38095	Q9H425	13	AIAASRS AVMMSGN
38096	Q9H425	34	KRFTYFS SLS PMA
38097	Q9H425	35	RFTYFSSLSPMAR
38098	Q9H425	37	TYFSSLSPMARKI
38099	Q9H425	88	PRDPGDSEELTRF
38100	Q9H425	120	TWQDEHSAPFSWE
38101	Q9H425	124	EHSAPFSWETKSQ
38102	Q9H425	129	FSWETKS QMEFSI
38103	Q9H425	134	KSQMEFSISALSI
38104	Q9H425	136	QMEFSISALSIQE
38105	Q9H425	139	FSISALS IQEPSN
38106	Q9H425	144	LSIQEPSNGTAAS
38107	Q9H425	150	SNGTAASEPRPLS
38108	Q9H425	156	SEPRPLSKASQGS
38109	Q9H425	159	RPLSKASQGSQAL
38110	Q9H425	162	SKASQGSQALKSS
38111	Q9H425	167	GSQALKSSQGSRS
38112	Q9H425	171	LKSSQGSRSSLD
38113	Q9H425	173	SSQGSRSSLDAL
38114	Q9H425	175	QGSRSSLDALGP
38115	Q9H425	189	RKEEEASFWKINA
38116	Q9H425	198	KINAERSRGE GP
38117	Q9H425	213	FQSLTPSQIKSME
38118	Q9H425	217	TPSQIKSMEKGEK
38119	Q9H425	246	AKVERPSTLRQEQ

38120	Q9H425	259	RPLPNVSTERERP
38121	Q9H425	272	QPVQAFSSALHEA
38122	Q9H425	273	PVQAFSSALHEAA
38123	Q9H425	289	LEGKLPSPDVRQD
38124	Q9H425	303	GEDTLFSEPKFAQ
38125	Q9H425	311	PKFAQVSSSNVVL
38126	Q9H425	312	KFAQVSSSNVVLK
38127	Q9H425	313	FAQVSSSNVVLKT
38128	Q9H479	26	PGAGCISEGRAYD
38129	Q9H479	58	FEGEVASLEALRS
38130	Q9H479	64	SLEALRSTGLVRV
38131	Q9H479	95	EHLKMKSLSSQAS
38132	Q9H479	97	LKMKSLSQASKL
38133	Q9H479	98	KMKSLSSQASKLG
38134	Q9H479	101	SLSSQASKLGEQM
38135	Q9H479	194	EARELWSRLQVKI
38136	Q9H479	220	LHGDLWSGNVAED
38137	Q9H479	237	IIYDPASFYGHSE
38138	Q9H479	242	ASFYGHSEFELAI
38139	Q9H479	258	FGGFPRSFYTAYH
38140	Q9H479	298	FGREYRSPSLGTM
38141	Q9H479	300	REYRSPSLGTMRR
38142	Q9H492	29	IRDQHPSKIPVII
38143	Q9H492	61	PDHVNMSSELVKII
38144	Q9H492	87	LLVNQHSMVSVST
38145	Q9H492	90	NQHSMVSVSTPIA
38146	Q9H492	92	HSMVSVSTPIADI
38147	Q9H4X1	9	PPAAQGSAAAAAA
38148	Q9H4X1	22	AAPALDSAAAEDL
38149	Q9H4X1	29	AAAEDLSDALCEF
38150	Q9H4X1	44	VLADFASPHERH
38151	Q9H4X1	64	ERMKRRSSASVSD
38152	Q9H4X1	65	RMKRRSSASVSDS
38153	Q9H4X1	67	KRRSSASVSDSSG
38154	Q9H4X1	69	RSSASVSDSSGFS
38155	Q9H4X1	71	SASVSDSSGFSDS
38156	Q9H4X1	72	ASVSDSSGFDSE
38157	Q9H4X1	75	SDSSGFDSESAD
38158	Q9H4X1	77	SSGFSDSESADSL
38159	Q9H4X1	79	GFDSESDADSLYR
38160	Q9H4X1	82	DSESADSLYRNSF
38161	Q9H4X1	87	DSLYRNSFSFSDE
38162	Q9H4X1	89	LYRNSFSFSDEKL
38163	Q9H4X1	91	RNSFSFSDEKLNS
38164	Q9H4X1	97	SDEKLNSPTDSTP
38165	Q9H4X1	101	LNSPTDSTPALLS
38166	Q9H4X1	107	STPALLSATVTPQ
38167	Q9H5V8	72	TMLSINKSGERIVF
38168	Q9H5V8	81	RIVFTFSCQSPEN
38169	Q9H5V8	84	FTFSCQSPENHFV
38170	Q9H5V8	101	KNIDCMSGPCPFG
38171	Q9H5V8	116	QLQPSTSLLPTLN
38172	Q9H5V8	179	RIGTFCNSNGTVSR
38173	Q9H5V8	184	CSNGTVSRIKMQE
38174	Q9H5V8	207	FHPRNVSGFSIAN
38175	Q9H5V8	215	FSIANRSISIKRLC
38176	Q9H5V8	265	HLRASVSLNFNL
38177	Q9H5V8	272	FLNFNLNCERKE

38178	Q9H5V8	312	AGNFNLSLQGCDQ
38179	Q9H5V8	322	CDQDAQS PGILRL
38180	Q9H5V8	367	PRPVKQSRKFVPG
38181	Q9H5V8	391	SNLT LTS GSKHKI
38182	Q9H5V8	416	NVEKTISCTDHRY
38183	Q9H5V8	434	YSLQVPS DILHLP
38184	Q9H5V8	447	VELHDFSWKLLVP
38185	Q9H5V8	479	EKPCNTSFSYLV
38186	Q9H5V8	497	QDLYFGSFCPGGS
38187	Q9H5V8	503	SFCPGGSIKQIQV
38188	Q9H5V8	536	RQGLTVSFIPYFK
38189	Q9H5V8	555	VTPDTKS KVYLRT
38190	Q9H5V8	579	SVSWNI SVPRDQV
38191	Q9H5V8	620	RAEEIFS LDEDVL
38192	Q9H5V8	630	DVLPKPSFHHHSF
38193	Q9H5V8	635	PSFHHHS FWVNIS
38194	Q9H5V8	647	SNCSPSGKQLDL
38195	Q9H5V8	656	QLDLLFS VTLTPR
38196	Q9H5V8	751	HLLQDSSGSFLQP
38197	Q9H5V8	781	SPPTICSRAPTA
38198	Q9H5V8	797	EEPPPRS PPESES
38199	Q9H5V8	817	PNNGDVSS KDTD
38200	Q9H706	10	APSLGCSLKDVKW
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38203	Q9H706	28	PLDLLVSTYRLPQ
38204	Q9H706	210	RTNESIS LPFQCK
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38206	Q9H706	363	PKKGRCS GHNHVP
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38208	Q9H706	426	ILPYQDS GDSGSD
38209	Q9H706	431	DSGDSGSDYLFPE
38210	Q9H706	442	PEASEESAGIPGK
38211	Q9H706	520	PPVPPKSEAVREE
38212	Q9H706	539	PPVPPRSAKPLST
38213	Q9H706	546	AKPLSTS PSIPPR
38214	Q9H706	565	QQTRSPSP TLSYY
38215	Q9H706	569	SPSPTLS YYSSGL
38216	Q9H706	579	SGLHNIS VTKTDT
38217	Q9H706	622	SAEAVSS RLSWPN
38218	Q9H706	647	DFLLDPSRSYSYP
38219	Q9H706	679	GCELLAS PTSPVT
38220	Q9H706	689	PVTAEFSS SSVSGC
38221	Q9H706	690	VTAEFSS SVSGCP
38222	Q9H706	693	EFSSSVSGCPKSA
38223	Q9H706	702	PKSASYSL ESTDV
38224	Q9H706	739	VEEKVA SETSPLP
38225	Q9H706	778	GMQDIFSS ASY PFS
38226	Q9H706	784	SASYPFSS SPLHLQ
38227	Q9H706	785	ASYPFSS PLHLQL
38228	Q9H706	795	LQLAPRS CGDGSP
38229	Q9H706	809	QPPADLSS GLSIEE
38230	Q9H706	812	ADLSGLS IEEVSK
38231	Q9H706	826	LRFIGLSEDVISF
38232	Q9H706	831	LSEDVISFFVTEK
38233	Q9H7P6	10	CFCVRRSRDP PPP
38234	Q9H7P6	30	QRGTDQSTMPEVK
38235	Q9H7P6	39	PEVKDLSEALPET

38236	Q9H7P6	58	GVGVVASRNRAPT
38237	Q9H7P6	88	KDGLFKSKVTRYL
38238	Q9H7P6	99	YLCFTRSF SKENS
38239	Q9H7P6	105	SFSKENS HLG NVL
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38241	Q9H7P6	184	FIGELNSMGIWYR
38242	Q9H7P6	200	VPRNHDS SQPTTP
38243	Q9H7P6	201	PRNHDSS QPTTPS
38244	Q9H7P6	207	SQPTTPSQSSAAS
38245	Q9H7P6	209	PTTPSQSSAAS TP
38246	Q9H7P6	210	TTPSQSSAAS TPA
38247	Q9H7P6	213	SQSSAAS TPAPNL
38248	Q9H7P6	224	NLPRHI S LTL PAT
38249	Q9H7P6	236	TFRGRNS TRTDYE
38250	Q9H7P6	246	DYEYQHS NLYAIS
38251	Q9H7P6	252	SNLYAIS SAMDGVP
38252	Q9H7P6	262	GVPMI SEKFSCV
38253	Q9H7P6	266	MISEKFS CVPESM
38254	Q9H7P6	271	FSCVPESMQFDL
38255	Q9H7P6	284	LGITIKS LAEIEK
38256	Q9H7P6	295	EKEYEYS FRTEQS
38257	Q9H7P6	301	SFRTEQS AARLP
38258	Q9H7X0	8	TEVVPS S ALSEVS
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38261	Q9H7X0	41	PIEYPD SWYRDIT
38262	Q9H7X0	48	WYRDITS NKKFFS
38263	Q9H7X0	54	SNKKFFS LAATYR
38264	Q9H7X0	87	DGDILAS NFS VDT
38265	Q9H7X0	90	ILASNFS VDT QVA
38266	Q9H7X0	100	QVAYILS LGVVKE
38267	Q9H7X0	114	RKHGIGS LL ESL
38268	Q9H7X0	119	GSLL E SLKD HIS
38269	Q9H7X0	125	SLKD HIS TTAQDH
38270	Q9H7X0	166	YLPYYY S IRGVLK
38271	Q9H7X0	199	YIQHLGS ALASLS
38272	Q9H7X0	203	LGSALAS LSPCSI
38273	Q9H7X0	205	SALASL S PC SIPH
38274	Q9H7X0	208	ASLSPCS I PHRVY
38275	Q9H7X0	219	VYRQAHS LLC SFL
38276	Q9H7X0	223	AHSLLCS FLPWSG
38277	Q9H7X0	228	CSFLPW S GISSKS
38278	Q9H7X0	231	LPWSGI SS KSGIE
38279	Q9H7X0	232	PWSGI SS KSGIEY
38280	Q9H7X0	234	SGISSK S GIEYSR
38281	Q9H7Z6	15	AVAAGT S GVAGEG
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38283	Q9H7Z6	42	PSPGRV S PPTPAR
38284	Q9H7Z6	68	LCRRPD S TWHS AE
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38288	Q9H7Z6	128	NSEKYL S ELAEQP
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38290	Q9H7Z6	222	YMKYEKS YRFHLG
38291	Q9H7Z6	244	KEIYRK S NI SVYE
38292	Q9H7Z6	247	YRKSNI SVYEVDG
38293	Q9H7Z6	303	HIVGYF S KEKEESP

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38295	Q9H7Z6	336	KFLIAFSYELSKL
38296	Q9H7Z6	340	AFSYELSKLESTV
38297	Q9H7Z6	344	ELSKLESSTVGSP
38298	Q9H7Z6	348	LESTVGSPEKPLS
38299	Q9H7Z6	354	SPEKPLSDLGKLS
38300	Q9H7Z6	360	SDLGKLSYRSYWS
38301	Q9H7Z6	363	GKLSYRSYWSWVL
38302	Q9H7Z6	366	SYRSYWSWVLLEI
38303	Q9H7Z6	381	DFRGTLSIKDLSQ
38304	Q9H7Z6	386	LSIKDLSQMITSIT
38305	Q9H7Z6	390	DLSQMTSITQNDI
38306	Q9H7Z6	398	TQNDIISTLQSLN
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38308	Q9H7Z6	428	VEEHLKSAQYKKP
38309	Q9H7Z6	440	PPITVDSVCLKWA
38310	Q9H8M9	8	RLPLSHSPEHVEM
38311	Q9H8M9	18	VEMALLSNILAAY
38312	Q9H8M9	25	NILAAYSFVSENP
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38314	Q9H8M9	40	AALYFVSGVCIGL
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38318	Q9H8M9	79	QDRESSSDSSDSE
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38320	Q9H8M9	82	ESSSDSSDSEDGS
38321	Q9H8M9	84	SSDSSDSEDGEDS
38322	Q9H8M9	88	SDSEDGESDTVSD
38323	Q9H8M9	93	GSEDTVSDLSVRR
38324	Q9H8M9	96	DTVSDLSVRRHRR
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38326	Q9H8S9	10	LFSSRSSLKTFKP
38327	Q9H8S9	23	KNIPEGSHQYELL
38328	Q9H8S9	38	AEATLGSGNLRQA
38329	Q9H8S9	83	EFCTEASCPVMSA
38330	Q9H8S9	88	ASCPVMSAGPRYE
38331	Q9H8S9	110	KKPIKCSAPKYID
38332	Q9H8S9	134	DETLFPSSKIGVPF
38333	Q9H8S9	146	FPKNFMSVAKTIL
38334	Q9H8S9	169	YHQHFDSVMQLQE
38335	Q9H8S9	182	EAHLNTSFKHIF
38336	Q9H8V3	9	ENSVLTSTTGRTS
38337	Q9H8V3	20	TSLADSSIFDSKV
38338	Q9H8V3	24	DSSIFDSKVTEIS
38339	Q9H8V3	30	SKVTEISKENLLI
38340	Q9H8V3	38	ENLLIGSTSYYVEE
38341	Q9H8V3	90	ESCPGKSDEKLICK
38342	Q9H8V3	112	GFVKMESVEEFEG
38343	Q9H8V3	121	EFEGLDSPEFENV
38344	Q9H8V3	136	VTDFQDSVFNDLY
38345	Q9H8V3	158	PVVLNCSQKGEPL
38346	Q9H8V3	167	GEPLPFSRPLYC
38347	Q9H8V3	212	IRKDFNSKVTHLV
38348	Q9H8V3	232	KFRVAVSLGTPIM
38349	Q9H8V3	277	FQDCILSFLGFSD
38350	Q9H8V3	282	LSFLGFSDEEKTN
38351	Q9H8V3	340	QEWFWGSIQMDAR

38352	Q9H8V3	415	HSLSIGSILLDISN
38353	Q9H8V3	426	SNTPESSINYGDT
38354	Q9H8V3	435	YGDTPKSCTKSSK
38355	Q9H8V3	440	KSCTKSSKSSTPV
38356	Q9H8V3	443	TKSSKSSTPVPSK
38357	Q9H8V3	667	CPANLLSHRSLV
38358	Q9H8V3	680	QRVETISLGEHPC
38359	Q9H8V3	716	VIGTFRSPHQTR
38360	Q9H8V3	775	LSFQMTSDELPKE
38361	Q9H8V3	824	DMDSTLSRASRAI
38362	Q9H8V3	827	STLSRASRAIKKT
38363	Q9H8V3	834	RAIKKTSKKVTRA
38364	Q9H8V3	866	GSVEGRSPSSNDK
38365	Q9H8V3	869	EGRSPSSNDKHVM
38366	Q9H8V3	882	SRLSSTSAGLIP
38367	Q9H8V3	889	SLAGIPSPLVSL
38368	Q9H8V3	894	PSPSLVSLPSFFE
38369	Q9H8Y8	26	LRVQENSPGHRAG
38370	Q9H8Y8	42	FFDFIVSINGSRL
38371	Q9H8Y8	73	VKMLIYSKTEL
38372	Q9H8Y8	83	LELRETSVTPSNL
38373	Q9H8Y8	87	ETSVTPSNLWGGQ
38374	Q9H8Y8	120	HVLEVESNSPAAL
38375	Q9H8Y8	133	AGLRPHSDYIIGA
38376	Q9H8Y8	146	DTVMNESEDLFSL
38377	Q9H8Y8	151	ESEDLFSLIETHE
38378	Q9H8Y8	182	VIITPNSAWGGE
38379	Q9H8Y8	189	AWGEGSLGCGIG
38380	Q9H8Y8	214	EEGKKISLPGQMA
38381	Q9H8Y8	243	SSVNPPSLSPPGT
38382	Q9H8Y8	245	VNPPSLSPPGTTG
38383	Q9H8Y8	255	TTGIEQSLTGLSI
38384	Q9H8Y8	260	QSLTGLSISSTPP
38385	Q9H8Y8	263	TGLSISSTPPAVS
38386	Q9H8Y8	270	TPPAVSSVLSTGV
38387	Q9H8Y8	289	PPQVNQSLTSVPP
38388	Q9H8Y8	292	VNQSLTSVPPMNP
38389	Q9H8Y8	346	GLPPLPSMPRN
38390	Q9H8Y8	362	APLPLPSEFLPSF
38391	Q9H8Y8	374	FPLVPESSSAASS
38392	Q9H8Y8	375	PLVPESSSAASSG
38393	Q9H8Y8	376	LVPESSSAASSGE
38394	Q9H8Y8	379	ESSSAASSGELLS
38395	Q9H8Y8	385	SSGELLSILPPTS
38396	Q9H8Y8	386	SGELLSSLPPPTSN
38397	Q9H8Y8	391	SSLPPTSNAPS
38398	Q9H8Y8	408	AKADAASSLTVDV
38399	Q9H8Y8	409	KADAASSLTVDVT
38400	Q9H8Y8	436	GDSTPVSEKPVSA
38401	Q9H8Y8	441	VSEKPVSAAVDAN
38402	Q9H9B4	19	EPRWDQSTFIGRA
38403	Q9H9B4	46	TNEQLESARKIVH
38404	Q9H9B4	77	AKYIYDSAFHPDT
38405	Q9H9B4	94	ILIGRMSAQVPMN
38406	Q9H9B4	126	WQWINQSFAVVN
38407	Q9H9B4	137	VNYTNRSGDAPLT
38408	Q9H9B4	153	LGTAYVSATTGAV
38409	Q9H9B4	173	ALTKHVSPLIGRF

38410	Q9H9B4	218	GNRLGESANAAKQ
38411	Q9H9B4	232	ITQVVVSIRILMAA
38412	Q9H9B4	264	KRFPWMSAPIQVG
38413	Q9H9B4	291	ALFPQKSMSVTS
38414	Q9H9B4	292	LFPQKSSMSVTSL
38415	Q9H9B4	294	PQKSSMSVTSLEA
38416	Q9H9B4	297	SSMSVTSLEAELQ
38417	Q9H9B4	309	QAKIQESHPELRR
38418	Q9HAW4	30	ADSPSDSGQGSYE
38419	Q9HAW4	34	SDSGQGSYETIGP
38420	Q9HAW4	65	RKVLQDSDSETED
38421	Q9HAW4	110	YKTVADSDESYME
38422	Q9HAW4	150	FTTDRKS SKKIH
38423	Q9HAW4	265	HSFEEGSELSKGT
38424	Q9HAW4	291	ALKQLHSETQRLI
38425	Q9HAW4	426	PSPGDSSVLQQES
38426	Q9HAW4	586	KKLDGASHTKPGE
38427	Q9HAW4	703	KENNDGSSEIGKA
38428	Q9HAW4	714	KAVGFLSVPKSL
38429	Q9HAW4	723	KSLSSDSTLLLFK
38430	Q9HAW4	733	LFKDSSSKMGYFP
38431	Q9HAW4	755	NSGKQPSKLDEDD
38432	Q9HAW4	764	DEDDSCSLLTKE
38433	Q9HAW4	771	LLTKESSHNSSFE
38434	Q9HAW4	820	FRASLVSSASKSS
38435	Q9HAW4	826	SSASKSSGKLSEP
38436	Q9HAW4	833	GKLSEPSLPIEDS
38437	Q9HAW4	931	KHLPRKS DKKENM
38438	Q9HAW4	945	ELLNLCSGKFTSQ
38439	Q9HAW4	950	CSGKFTSQDASTP
38440	Q9HAW4	958	DASTPASELNKQ
38441	Q9HAW4	969	KQEKESSMGDPME
38442	Q9HAW4	982	EALALCSGSFPTD
38443	Q9HAW4	1067	SGSDVGSEDEYDG
38444	Q9HAW4	1096	SDEELQSQIKKI
38445	Q9HAW4	1275	LSDHNPSAPRNSR
38446	Q9HAW4	1299	AEAAKES SKSQVK
38447	Q9HAW4	1300	EAAKESSKS QVKKK
38448	Q9HAW4	1302	AKESSKS QVKKR
38449	Q9HAW4	1314	GPSFMTSPSPKHL
38450	Q9HAW4	1316	SFMTSPSPKHLKT
38451	Q9HB71	34	ALTAEKSKIETEI
38452	Q9HB71	48	NKMQQKSQKKAEL
38453	Q9HB71	76	GYTVKISNYGWDQ
38454	Q9HB71	83	NYGWDQSDKFVKI
38455	Q9HB71	112	VHFTERSFDLLVK
38456	Q9HB71	124	KNLNGKSYSMIVN
38457	Q9HB71	126	LNGKSYSMIVNNL
38458	Q9HB71	137	NLLKPI SVEGSSK
38459	Q9HB71	141	PISVEGS SKKVKT
38460	Q9HB71	142	ISVEGSSKKVKT
38461	Q9HB71	180	KEKEKPS YDTETD
38462	Q9HB71	188	DTETDPSEGLMN
38463	Q9HB71	217	NKAWVESREKQAK
38464	Q9HB75	20	AAAGDASEDSDAG
38465	Q9HB75	23	GDASEDS DAGSRA
38466	Q9HB75	27	EDSDAGS RALPFL
38467	Q9HB75	88	LAQLPQS LSCLRS

38468	Q9HB75	94	SLSCLRS L VLKGG
38469	Q9HB75	136	LDLSFNS L ETLPA
38470	Q9HB75	156	LGALLL S HNCLE
38471	Q9HB75	202	LQRLDLSQNLLDT
38472	Q9HB75	231	ASNRLQ S LPASLA
38473	Q9HB75	235	LQSLP A SLAGLRS
38474	Q9HB75	249	RLLVLH S NLLASV
38475	Q9HB75	321	PRLFLTS D LDSFP
38476	Q9HB75	325	LTSDLDS F PVTPQ
38477	Q9HB75	378	PHDALL S HVLELQ
38478	Q9HB75	446	CQVPHF S WFLVVS
38479	Q9HB75	456	VVSRPV S NACLV
38480	Q9HB75	470	EGTLLC S SGHPGV
38481	Q9HB75	492	EEPRRV S MQVVRM
38482	Q9HB75	523	LLCLS Q SGPPSFL
38483	Q9HB75	527	SQSGPPS F LQPVT
38484	Q9HB75	540	VQLPLP S GITGLS
38485	Q9HB75	546	SGITGL S LDRSRL
38486	Q9HB75	550	GLSLDRS R LHLLY
38487	Q9HB75	696	ICFVFY S HLKNVK
38488	Q9HB75	763	LPRLRG S EGPRRG
38489	Q9HB75	773	RRGAGL S LAPLNL
38490	Q9HB75	790	TGFLTQS N LLSVA
38491	Q9HB75	838	IRHMLF S WAERQA
38492	Q9HB75	860	VQALEQS D RQDVA
38493	Q9HB75	883	RRKYQDS I RRMGL
38494	Q9HB75	900	PALPGSS A QPPE
38495	Q9HB96	52	VLRALG S RGWEPF
38496	Q9HB96	100	CQRNLMS L LLMAVR
38497	Q9HB96	108	LMAVRP S LPESGL
38498	Q9HB96	112	RPSLP E SGLLSVL
38499	Q9HB96	116	PESGLL S VLQIAQ
38500	Q9HB96	149	DLGVGT S MEGASP
38501	Q9HB96	154	TSMEGAS P LSERC
38502	Q9HB96	157	EGASPL S ERCQRQ
38503	Q9HB96	180	GGRRILK S PQAPDP
38504	Q9HB96	194	EEENRDS QQ PGKR
38505	Q9HB96	204	GKRRKD S EEEAS
38506	Q9HB96	210	SEEEA A SPEGKRV
38507	Q9HB96	238	ERPEHK S LESLAD
38508	Q9HB96	241	EHKSLE S LADGGS
38509	Q9HB96	247	SLADGG S ASPIKD
38510	Q9HB96	277	AKGLAE S LELPKA
38511	Q9HB96	320	QLLHEC S PSQMDL
38512	Q9HB96	322	LHECSP S QMDLLC
38513	Q9HB96	352	TWLLAL S PDLSLS
38514	Q9HB96	356	ALSPD L SLSNATV
38515	Q9HB96	366	ATVLTR S LFLGRI
38516	Q9HB96	377	RILSLT S SASRLL
38517	Q9HB96	378	IILSLT S SASRLLT
38518	Q9HB96	380	SLTSSA S RLLTTA
38519	Q9HB96	389	LTTALT S FCAKYT
38520	Q9HB96	400	YTYPVC S ALLDPV
38521	Q9HB96	428	CLVKME S LEPDAQ
38522	Q9HB96	456	TFLVLQ S LLERQV
38523	Q9HB96	470	MTPEKF S VLMEEKL
38524	Q9HB96	486	GLAATT S MAYAKL
38525	Q9HB96	526	TTFLRK S LKAAALK

38526	Q9HBH9	15	LQGFHRSFKGQNP
38527	Q9HBH9	27	PFELAFSLDQPDH
38528	Q9HBH9	36	QPDHGDSDFGLQC
38529	Q9HBH9	43	DFGLQCSARPDMF
38530	Q9HBH9	51	RPDMPASQPIDIP
38531	Q9HBH9	74	RGRATDSFSGRFE
38532	Q9HBH9	107	CINLITSQEYAVK
38533	Q9HBH9	124	QPGHIRSRVFREV
38534	Q9HBH9	166	EKMRRGGSILSHIH
38535	Q9HBH9	169	RGGSILSHIHKRR
38536	Q9HBH9	183	FNELEASVVVQDV
38537	Q9HBH9	191	VVQDVVASALDFLH
38538	Q9HBH9	220	EHPNQVSPPVKICD
38539	Q9HBH9	231	CDFDLGSGIKLNG
38540	Q9HBH9	240	KLNGDCSPISTPE
38541	Q9HBH9	243	GDCSPISTPELLT
38542	Q9HBH9	253	LLTPCGSAEYMAP
38543	Q9HBH9	266	EVVEAFSEEASIY
38544	Q9HBH9	270	AFSEEASIYDKRC
38545	Q9HBH9	280	KRCDLWSLGVILY
38546	Q9HBH9	290	ILYILLSGYPPFV
38547	Q9HBH9	301	FVGRCGSDCGWDR
38548	Q9HBH9	321	QNMLFESIQEGKY
38549	Q9HBH9	338	KDWAHISCAAKDL
38550	Q9HBH9	346	AAKDLISKLLVRD
38551	Q9HBH9	387	MVLQRNSCAKDLT
38552	Q9HBH9	431	VLVRATSRCQLQS
38553	Q9HBH9	437	SRCLQLSPPSQSK
38554	Q9HBH9	440	LQLSPPSQSKLAQ
38555	Q9HBH9	442	LSPPSQSKLAQRR
38556	Q9HBH9	452	QRRQRASLSSAPV
38557	Q9HBH9	455	QRASLSSAPVVLV
38558	Q9HBL0	92	ALEKICSICKAMD
38559	Q9HBL0	136	YSNISASADQALD
38560	Q9HBL0	219	MQPVYTSGIYNIP
38561	Q9HBL0	494	NGGALARERETDI
38562	Q9HBL0	583	PMRPSYSQAEGLA
38563	Q9HBL0	623	FRSQSFSEAEQPL
38564	Q9HBL0	681	LVASRPSPQPLAE
38565	Q9HBL0	731	AAPLHKSQSVPGA
38566	Q9HBL0	733	PLHKSQSVPGAWP
38567	Q9HBL0	752	SQPLSGSSRQSHP
38568	Q9HBL0	753	QPLSGSSRQSHPL
38569	Q9HBL0	792	SVPPGRSYSPYDY
38570	Q9HBL0	855	SPKEATS DPSRTP
38571	Q9HBL0	858	EATSDPSRTPEEE
38572	Q9HBL0	1028	PRSYVESVARTAV
38573	Q9HBL0	1087	PILSADSTS VGSF
38574	Q9HBL0	1089	LSADSTS VGSFPS
38575	Q9HBL0	1099	FPSGESSIONDQGPRT
38576	Q9HBL0	1160	FSSSPESQARAQF
38577	Q9HBL0	1228	GTGFHGSTVSSPQ
38578	Q9HBL0	1231	FHGSTVSSPQSSA
38579	Q9HBL0	1299	ASPGSPSILGRHLG
38580	Q9HBL0	1327	VAYGGYSTPEDRR
38581	Q9HBL0	1349	SGYQAPS TPSFPV
38582	Q9HBL0	1365	YYPLLSSPATSPS
38583	Q9HBL0	1369	LSSPATSPSPDSA

38584	Q9HBL0	1417	VSSPVA\$GMSSPS
38585	Q9HBL0	1606	NVLFVNSVDMESL
38586	Q9HBL0	1619	TGPQAISKATSET
38587	Q9HBL0	1623	AISKATSETLAAD
38588	Q9HBL0	1725	AIYNFVSKVMLNA
38589	Q9HBV2	9	PRGTGCSAGLLMT
38590	Q9HBV2	26	LLAGLQSARGTNV
38591	Q9HBV2	56	ETENNDSETAENY
38592	Q9HBV2	71	PETEDVSNRNVVK
38593	Q9HBV2	106	GCPGGE\$KCVVRV
38594	Q9HBV2	128	GWGKPISESLESV
38595	Q9HBV2	130	GKPISESLESVRL
38596	Q9HBV2	133	ISESLESVRLACI
38597	Q9HBV2	142	LACIHT\$PLNRFK
38598	Q9HBV2	160	LRQDQQ\$IIILVND
38599	Q9HBV2	167	IILVNDSAILEVR
38600	Q9HBV2	176	LEVRKESHPLAFE
38601	Q9HBV2	202	KFTVYTSSELQMR
38602	Q9HBV2	203	FTVYTTSSELQMRR
38603	Q9HBV2	210	ELQMRRSSLPATD
38604	Q9HBV2	211	LQMRRSSLPATDA
38605	Q9HBV2	262	STPEVQ\$EQSSVR
38606	Q9HBV2	265	EVQSEQ\$SVRYKD
38607	Q9HBV2	266	VQSEQSSVRYKDS
38608	Q9HBV2	272	SVRYKD\$TSLDQL
38609	Q9HBV2	274	RYKDSTS\$LDQLPT
38610	Q9HC16	18	MYRDTFSYNFYNR
38611	Q9HC16	28	YNRPIL\$RRNTVW
38612	Q9HC16	45	VTKKGPSRPPLDA
38613	Q9HC16	60	FRGQVYS\$ELKYHP
38614	Q9HC16	75	RFFHWFSKWRKLH
38615	Q9HC16	93	EVTWYI\$WSPCTK
38616	Q9HC16	95	TWYI\$WS\$PCTKCT
38617	Q9HC16	137	YQEALRS\$LCQKRD
38618	Q9HC16	162	EFQHCWSKFVYSQ
38619	Q9HC16	167	WSKFVYS\$QRELFE
38620	Q9HC16	196	GEILRH\$MDPPTF
38621	Q9HC16	284	RVTCFT\$WSPCF\$
38622	Q9HC16	286	TCFTSW\$PCFSCA
38623	Q9HC16	290	SWSPCF\$CAQEMA
38624	Q9HC16	300	EMAKFIS\$KNKHVS
38625	Q9HC16	306	SKNKHVS\$LCIFTA
38626	Q9HC16	336	EAGAKIS\$IMTYSE
38627	Q9HC16	341	ISIMTY\$EFKHCW
38628	Q9HC16	368	DGLDEHS\$QDLSGR
38629	Q9HC16	372	EHSQDL\$GRLRAI
38630	Q9HC77	8	FLMPT\$SELNSGQ
38631	Q9HC77	12	TSSELNS\$GQNFLT
38632	Q9HC77	25	QWMTNPS\$RAGVIL
38633	Q9HC77	93	KPQSDK\$SETHTAF
38634	Q9HC77	183	KLLTMVS\$GQCTL\$
38635	Q9HC77	192	CTLPG\$LLPDDQ
38636	Q9HC77	317	QKHDDS\$EVANIE
38637	Q9HC77	471	RKSLS\$P\$GLKIQT
38638	Q9HC77	497	FENKVT\$NNKENV
38639	Q9HC77	551	TMKESES\$LDVSL
38640	Q9HC77	552	MKESESS\$LDVSLQ
38641	Q9HC77	615	KGHRMSS\$TPVKAV

38642	Q9HC77	663	QLHSLSSADELRE
38643	Q9HC77	717	DVTIKPSTEDRER
38644	Q9HC77	726	DRERGISREDSP
38645	Q9HC77	727	RERGISSREDSPQ
38646	Q9HC77	731	ISSREDSPOVCDD
38647	Q9HC77	765	SDKDYSSDESIME
38648	Q9HC77	768	DYSSDESIMESIK
38649	Q9HC77	772	DESIMESIKHKVS
38650	Q9HC77	881	PKPKSDSHLGNEL
38651	Q9HC77	892	ELKLNISQDQPPG
38652	Q9HC77	1019	KETKWSSTHSRLR
38653	Q9HC77	1026	THSRLRSQIQMLV
38654	Q9HC77	1075	DKLANTSVRFQNS
38655	Q9HC77	1081	SVRFQNSQISSGT
38656	Q9HC77	1085	QNSQISSGTQVEK
38657	Q9HC77	1107	GNPPRRSKSAPPR
38658	Q9HC77	1109	PPRRSKSAPPDL
38659	Q9HC77	1231	EVLHFSSGQIEKH
38660	Q9HC77	1320	QETKYRSGRIRVK
38661	Q9HC98	13	HMPHGGSNNLCH
38662	Q9HC98	14	MPHGGSSNNLCHT
38663	Q9HC98	41	TLSFRCSLADFQI
38664	Q9HC98	57	IGRGQFSSEVYKAT
38665	Q9HC98	111	I IKYLD S FIEDNE
38666	Q9HC98	131	ADAGDLSQMIKYF
38667	Q9HC98	158	YFVQLCSAVEHMH
38668	Q9HC98	165	AVEHMHSRRVMHR
38669	Q9HC98	198	GLGRFFSETTAAH
38670	Q9HC98	199	LGRFFSSETTAAH
38671	Q9HC98	215	GTPYYMSPERIHE
38672	Q9HC98	228	NGYNFKSDIWSLG
38673	Q9HC98	232	FKSDIWSLGCLLY
38674	Q9HC98	245	EMAALQS P FYGDK
38675	Q9HC98	256	DKMNLFSLCQKIE
38676	Q9HC98	275	LPGEHYSEKLREL
38677	Q9HC98	283	KLRELVS MCICPD
38678	Q9HCC9	58	LVSQFRSCQDNVL
38679	Q9HCC9	134	AKELTRSLEDVRG
38680	Q9HCC9	177	FELSYVSAMVPVK
38681	Q9HCC9	321	PPEGPLSAKAKDP
38682	Q9HCC9	334	DAELACSMQYDDQ
38683	Q9HCC9	368	PPIACQS PAHRPG
38684	Q9HCC9	392	GRPRLRSGSDEEE
38685	Q9HCC9	394	PRLRSGSDEEERV
38686	Q9HCC9	428	PFGWAGSTWADPQ
38687	Q9HCC9	448	GGAAGISLPASEK
38688	Q9HCC9	472	EGTDGASLAGTSS
38689	Q9HCC9	477	ASLAGTS SC SCLD
38690	Q9HCC9	478	SLAGTSSCSCLDS
38691	Q9HCC9	480	AGTSSCSCLDSRL
38692	Q9HCC9	484	SCSCLDSRLHLDG
38693	Q9HCC9	526	NPKSPTSLDSAVER
38694	Q9HCC9	529	SPTSLDSAVATQE
38695	Q9HCC9	553	GGPHKLS TGATNC
38696	Q9HCC9	569	SCVCCGSCGDSRE
38697	Q9HCC9	594	GGVIGAS YAAGLA
38698	Q9HCC9	621	PPSEDASNGREPK
38699	Q9HCC9	641	LPHTSGSQVDTAS

38700	Q9HCC9	683	PQALSGSSSSTAG
38701	Q9HCC9	685	ALSGSSSSTAGSC
38702	Q9HCC9	686	LSGSSSSTAGSCS
38703	Q9HCC9	692	STAGSCSSDKMGP
38704	Q9HCC9	723	RSRFHGSHDLIHR
38705	Q9HCC9	747	LQTNYASDLRSIL
38706	Q9HCC9	848	CGKIFCSRCCSHS
38707	Q9HCC9	851	IFCSRCSSHSAPL
38708	Q9HCC9	854	SRCSSHSAPLPRY
38709	Q9HCE9	12	SGAGGTSLEGERG
38710	Q9HCE9	155	IYENVESELRFFFT
38711	Q9HCE9	267	YPAVFGSVLYTFT
38712	Q9HCE9	360	LFQLLVSLPLCLA
38713	Q9HCE9	408	MLALLVSVAEGY
38714	Q9HCE9	449	LFQFVNNSYLSLFY
38715	Q9HCE9	452	FVNSYLSLFYIGF
38716	Q9HCE9	538	EGGGGGSGGGGRR
38717	Q9HCE9	618	LRLKKVSAERGA
38718	Q9HCE9	641	ALLEEGSPTMVEK
38719	Q9HCE9	669	AEGAPGSPEREPP
38720	Q9HCE9	705	PGSNNSDSTRRQRR
38721	Q9HCE9	726	PPEEEHSQLTQA
38722	Q9HCE9	736	TQAELESCMKKYE
38723	Q9HCE9	935	EARAEGSGLDPAT
38724	Q9HCE9	942	GLDPATSSEKASA
38725	Q9HCE9	943	LDPATSSEKAKGS
38726	Q9HCE9	947	TSSEKASA
38727	Q9HCE9	968	RPKRPGSLLAPNN
38728	Q9HCE9	995	LSSGATSSLAAAG
38729	Q9HCE9	1032	SFKFLKSPETRRD
38730	Q9HCE9	1039	PETRRDSERSHSP
38731	Q9HCE9	1042	RRDSERSHSPPKA
38732	Q9HCE9	1083	GTPSSGSSRVQRS
38733	Q9HCE9	1089	SSRVQRSGPVDEA
38734	Q9HCE9	1127	ALRTRRSRSPAPP
38735	Q9HCE9	1129	RTRRSRSPPPPP
38736	Q9HCE9	1193	PLPGDASFYSLPP
38737	Q9HCE9	1196	GDASFYSLPPPPL
38738	Q9HCE9	1215	LETPAPSPPSPSPS
38739	Q9HCE9	1219	APSPSPSPSPQAV
38740	Q9HCN4	13	AAELQASGGPRHP
38741	Q9HCN4	30	VLGMAGSGKTTFV
38742	Q9HCN4	94	NGGIVTLSNLNFAT
38743	Q9HCN4	116	EKAQNMSKYVLID
38744	Q9HCN4	133	IEVFTWSASGTII
38745	Q9HCN4	135	VFTWSASGTIITE
38746	Q9HCN4	145	ITEALASSFPTVV
38747	Q9HCN4	146	TEALASSFPTVVI
38748	Q9HCN4	158	IYVMDTSRSTNPV
38749	Q9HCN4	160	VMDTSRSRSTNPVTF
38750	Q9HCN4	168	NPVTFMSNMLYAC
38751	Q9HCN4	175	NMLYACSILYKTK
38752	Q9HCN4	197	TDIIDHSAVEWM
38753	Q9HCN4	221	QETTYVSNLTRSM
38754	Q9HCN4	226	VSNLTRSMSLVLD
38755	Q9HCN4	228	NLTRSMSLVLDEF
38756	Q9HCN4	236	VLDEFYSSLRVVG
38757	Q9HCN4	237	LDEFYSSLRVVG

38758	Q9HCN4	244	LRVVGVS AVLGTG
38759	Q9HCN4	260	LFVQVT SAAEYE
38760	Q9HCN4	279	YERLKKS LANAES
38761	Q9HCN4	285	SLANAES QQQREQ
38762	Q9HCN4	301	LRKDMGS VALDAG
38763	Q9HCN4	312	AGTAKDS LSPVLH
38764	Q9HCN4	314	TAKDSL S PVLHPS
38765	Q9HCN4	320	SPVLHPS DLILTR
38766	Q9HCN4	338	EDEEADS DTDDID
38767	Q9HCN4	351	HRVTEES HEEP AF
38768	Q9HCN4	364	QNFMQES MAQYWK
38769	Q9HCQ7	17	LLTLAT S LLTSN
38770	Q9HCQ7	18	LTLAT S LLTSNI
38771	Q9HCQ7	22	TSSLLT S NIFCAD
38772	Q9HCQ7	33	ADELVI S NLHSKE
38773	Q9HCQ7	37	VISNLHS KENYDK
38774	Q9HCQ7	45	ENYDKY S EPRGYP
38775	Q9HCQ7	56	YPKGERS LNFEEL
38776	Q9HCQ7	74	KNVIKMS TPAVNK
38777	Q9HCQ7	84	VNKMPHS FANLPL
38778	Q9HCQ7	101	NVQEERS AGATAN
38779	Q9HCQ7	112	ANLPLRS GRNMEV
38780	Q9HCQ7	119	GRNMEVS LVRRVP
38781	Q9HCQ7	139	RTTTAKS VCRMLS
38782	Q9HCQ7	145	SVCRMLS DLCQGS
38783	Q9HCQ7	151	SDLCQGS MHSPCA
38784	Q9HCQ7	154	CQGSMHS PCANDL
38785	Q9HCQ7	163	ANDLFY S MTCQHQ
38786	Q9HCQ7	179	NPDQKQS RRLLFK
38787	Q9HCX4	39	FNEKGT S LTPEEE
38788	Q9HCX4	50	EERFLDS AEYGNI
38789	Q9HCX4	66	RKMLEES SKTLNFN
38790	Q9HCX4	140	GQRLLT S PLEQEL
38791	Q9HCX4	162	EDGTRFS H DITPI
38792	Q9HCX4	211	EKQRKD S FSHSRS
38793	Q9HCX4	213	QRKDSFS HSRSRM
38794	Q9HCX4	215	KDSFSHS RSRMNA
38795	Q9HCX4	217	SFSHSRS RMNAYK
38796	Q9HCX4	234	AAYLSLS SEDPVL
38797	Q9HCX4	267	NDYRKLS M QCKDF
38798	Q9HCX4	301	VNFQVWS DHHRPS
38799	Q9HCX4	307	SDHHRPS LSRIKL
38800	Q9HCX4	309	HHRPSLS RIKLAI
38801	Q9HCX4	359	LAVFGVS I GLPFL
38802	Q9HCX4	375	YWIAPCS KLGRTL
38803	Q9HCX4	394	FVAHAV S FTIFLG
38804	Q9HCX4	407	LLVVNAS DRFEGV
38805	Q9HCX4	453	VLGMIW S ECKEIW
38806	Q9HCX4	480	LDFGMLS I FVASF
38807	Q9HCX4	516	DTLHNVS LPPEVA
38808	Q9HCX4	534	RDKWWPS DPQIIS
38809	Q9HCX4	540	SDPQII S EGLYAI
38810	Q9HCX4	564	ILPANE S GPLQI
38811	Q9HCX4	571	GPLQI S LGRTVK
38812	Q9HCX4	619	FTTVEE S FKTLFW
38813	Q9HCX4	626	FKTLFWS I FGLSE
38814	Q9HCX4	631	WSIFGLS E VISVV
38815	Q9HCX4	717	LVPSPKS FYYLIM

38816	Q9HCX4	751	EMGMLNSKFKKTR
38817	Q9HCX4	765	QAGMRNSSENLTAN
38818	Q9HCX4	817	EIKQDISSLRYEL
38819	Q9HCX4	818	IKQDISSSLRYELL
38820	Q9HD40	14	AGERLVS PAYVRQ
38821	Q9HD40	27	GCEARRS HEHLIR
38822	Q9HD40	49	ENGWDES TLELF L
38823	Q9HD40	63	ELAIMD SNNFLGN
38824	Q9HD40	98	IHGIGRS GDISAV
38825	Q9HD40	111	QPKAAGS SLLNKI
38826	Q9HD40	112	PKAAGGS LLNKIT
38827	Q9HD40	147	PMATGMS LTL CFL
38828	Q9HD40	174	PRIDQKS CFKSMI
38829	Q9HD40	178	QKSCFKS MITAGF
38830	Q9HD40	222	CILCIH S TTSCFA
38831	Q9HD40	225	CIHSTTS CFAPRV
38832	Q9HD40	259	NAYGVQS SKCMHL
38833	Q9HD40	260	AYGVQSS KCMHLI
38834	Q9HD40	281	IDAFVQS LDKNFM
38835	Q9HD40	301	IAGFNDS FIQEIS
38836	Q9HD40	307	SFIQEIS SKMYPGR
38837	Q9HD40	315	MYPGRAS ASP SLD
38838	Q9HD40	317	PGRASAS PSLD V
38839	Q9HD40	319	RASASP S LDVLIT
38840	Q9HD40	328	VLITLLS LG SNGY
38841	Q9HD40	331	TLLSLGS NGY KKL
38842	Q9HD40	346	ERKEMFS YLSNQI
38843	Q9HD40	349	EMFSYLS NQI KKL
38844	Q9HD40	356	NQI KKL SEAYNER
38845	Q9HD40	372	TPHNPI S LAMTLK
38846	Q9HD40	393	AVTQLGS ML FTRQ
38847	Q9HD40	401	LFTRQVS GARV VP
38848	Q9HD40	410	RVVPLGS M QTVSG
38849	Q9HD40	415	GSMQT V SGYTFRG
38850	Q9HD40	424	TFRGFMS H TNNYP
38851	Q9HD40	438	AYLNAAS A IGMKM
38852	Q9HD40	466	AVRKERS K ESDDN
38853	Q9NP72	17	ILIIGES G VVGKSS
38854	Q9NP72	22	ESVGVK S LLLRF
38855	Q9NP72	23	SGVGK S LLLRF
38856	Q9NP72	51	FKVKT I SVDGNKA
38857	Q9NP72	76	FRTLTPS Y YRGAQ
38858	Q9NP72	144	KFARKH S MLFIEA
38859	Q9NP72	151	MLFIEAS A KTCDG
38860	Q9NP72	178	TPGLWE S ENQNKG
38861	Q9NP72	188	NKGVKL S HREEGQ
38862	Q9NP79	16	LPAQFK S IQHHLR
38863	Q9NP79	51	TGMKIDS K TPECR
38864	Q9NP79	61	ECRKFL S KLMDQL
38865	Q9NP79	117	HKNMIKS F YTASL
38866	Q9NP79	122	KSFYTAS L LIDVI
38867	Q9NP79	185	EDAGAAS L PQTQPT
38868	Q9NP79	194	TQPTQPS S SSSTYD
38869	Q9NP79	195	QPTQPS S SSSTYDP
38870	Q9NP79	196	PTQPSS S STYDPS
38871	Q9NP79	197	TQPSSSS T YDPSN
38872	Q9NP79	202	SSTYDPS N MPSGN
38873	Q9NP79	206	DPSNMP S GNYTGI

38874	Q9NP79	231	PAEVPHS T GVASN
38875	Q9NP79	236	HSTGVASNTIQPT
38876	Q9NP79	258	ALFNTISQGDVRL
38877	Q9NP79	281	YCKYAGS A LQYED
38878	Q9NP79	289	LQYEDV S TAVQNL
38879	Q9NPD3	8	AGLELLSDQGYRV
38880	Q9NPD3	38	FAQADGSAYIEQG
38881	Q9NPD3	61	PHEIRGS R ARALP
38882	Q9NPD3	77	LVNCQYS S ATFST
38883	Q9NPD3	78	VNCQYSS S ATFSTG
38884	Q9NPD3	82	YSSATF S TGERKR
38885	Q9NPD3	96	PHGDRKS C EMGLQ
38886	Q9NPD3	119	TQLHPRSQIDIVY
38887	Q9NPD3	161	DFVCAC S AGFVDG
38888	Q9NPD3	174	TALADLS H VEEAA
38889	Q9NPD3	193	LALLPAS G QIALL
38890	Q9NQ92	17	QGAAEPSRGPPLP
38891	Q9NQ92	24	RGPPLPSARGAPP
38892	Q9NQ92	31	ARGAPPSPEAGFA
38893	Q9NQ92	42	FATADHS S QERET
38894	Q9NQ92	43	ATADHSS S QERETE
38895	Q9NQ92	61	LARGTQS I PNDSP
38896	Q9NQ92	66	QSIPNDS P ARGE
38897	Q9NQ92	75	RGEETH S EEEGFA
38898	Q9NQ92	87	AMDEEDS D GELNT
38899	Q9NQ92	97	LNTWELS E GTNCP
38900	Q9NQ92	118	FNEDWD S ELKADQ
38901	Q9NQ92	136	ADDIQES I SQELK
38902	Q9NQ92	138	DIQESIS S QELKPW
38903	Q9NQ92	158	DMIYDPS W HPPP
38904	Q9NQ92	170	PLIPYY S KMVFET
38905	Q9NQC3	13	SPLVSSSDSPPRP
38906	Q9NQC3	64	KPAAGL S AAPVPT
38907	Q9NQC3	226	GQEDFPSVLLETA
38908	Q9NQC3	245	SPLSAASFKEHEY
38909	Q9NQC3	270	TLQENV S SEASKEV
38910	Q9NQC3	277	EASKEVS E KAKTL
38911	Q9NQC3	488	LLGDPTS E NKTDE
38912	Q9NQC3	525	LVAAQD S ETDYVT
38913	Q9NQC3	583	MDLVQT S EVMQES
38914	Q9NQC3	589	SEVMQES S LYPAAQ
38915	Q9NQC3	603	CPSFEE S EATPSP
38916	Q9NQC3	630	VPSAGAS V IQPSS
38917	Q9NQC3	635	ASVIQPS S SPLEA
38918	Q9NQC3	642	SSPLEAS S VNYES
38919	Q9NQC3	666	EEAMSV S LKKVSG
38920	Q9NQC3	732	QPVPDH S ELVEDS
38921	Q9NQC3	738	SELVEDS S PDSEP
38922	Q9NQC3	742	EDSSPD S EPVDLF
38923	Q9NQC3	749	EPVDLFS D DSIPD
38924	Q9NQC3	752	DLFSDDS I PDVPQ
38925	Q9NQC3	775	ESLTETS F ESMIE
38926	Q9NQC3	789	ENKEKLS A LPPEG
38927	Q9NQC3	823	DEVSTL S KKEKIP
38928	Q9NQC3	860	RETETFS D SSPIE
38929	Q9NQC3	983	AEKKLPS D TEKED
38930	Q9NQC3	1030	SLFLLL S LTVFSI
38931	Q9NQC3	1049	IALALL S VTISFR

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38994	Q9NQS7	97	SRSSQLSSRRLRS
38995	Q9NQS7	98	RSSQLSSRRLRSK
38996	Q9NQS7	106	RLRSKDSVEKLAT
38997	Q9NQS7	188	HVTQLMSTEPLPR
38998	Q9NQS7	202	LSPTPASATAPTS
38999	Q9NQS7	208	SATAPTSQGIPTS
39000	Q9NQS7	218	PTSDEESTPKSK
39001	Q9NQS7	223	ESTPKSKARILE
39002	Q9NQS7	230	KARILESITVSSL
39003	Q9NQS7	234	LESITVSSLMATP
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39006	Q9NQS7	255	GTGRSASKLRIAQ
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39008	Q9NQS7	300	TGSRTDQSVRHS
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39010	Q9NQS7	357	GRIICHSYLERLL
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39014	Q9NQS7	481	RSKTPSSPCPASK
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39020	Q9NQS7	909	QGARVPSLAYS
39021	Q9NQS7	910	GARVPSSLAYSLK
39022	Q9NQT5	11	ASVAAESLAGSRA
39023	Q9NQT5	15	AESLAGSARAAR
39024	Q9NQT5	54	AVERPLSLNARAC
39025	Q9NQT5	61	LNARACSRVRVVC
39026	Q9NQT5	93	RHKEPGSGGGGV
39027	Q9NQT5	95	KEPGSGSGGGVYW
39028	Q9NQT5	104	GYWVDSQQKRYV
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39030	Q9NQT5	136	KVDVGGSEPA
39031	Q9NQT5	140	GGSEPASLSYLSF
39032	Q9NQT5	142	SEPASLSYLSFEG
39033	Q9NQT5	145	ASLSYLSFEGATK
39034	Q9NQT5	183	EMVCIDS
39035	Q9NQT5	262	CGRANG
39036	Q9NQT8	207	ACEHMTSDQRKQI
39037	Q9NQT8	219	MSEGNKSR
39038	Q9NQT8	239	TVAA
39039	Q9NQT8	242	TNMNEESSRSHAV
39040	Q9NQT8	250	TLYDVKS
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39044	Q9NQT8	519	LVDLAG
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39056	Q9NQT8	1333	NVENPASADSEAY
39057	Q9NQT8	1336	NPASADSEAYIEK
39058	Q9NQT8	1346	IEKYLRSVLAVEN
39059	Q9NQT8	1420	VSQTTVSRGIAPA
39060	Q9NQT8	1562	GPPSPLSEASSGY
39061	Q9NQT8	1570	ASSGYFSHSVSTA
39062	Q9NQT8	1579	VSTATLSDALGPG
39063	Q9NQT8	1689	GGQALASDSEEAD
39064	Q9NQT8	1691	QALASDSEEADEV
39065	Q9NQT8	1765	GLLVRPSSRVRRAT
39066	Q9NQT8	1803	SATNLASLTAALA
39067	Q9NQX4	51	GTELDYSVNPESL
39068	Q9NQX4	225	GKYTEISFDEQNQ
39069	Q9NQX4	266	FYQLCASAQQSEF
39070	Q9NQX4	349	NERSSVSEDDSHL
39071	Q9NQX4	353	SVSEDDSHLKVF
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39073	Q9NQX4	424	NQALQFSGKQHTF
39074	Q9NQX4	581	VEILRASKFHLCA
39075	Q9NQX4	631	GSKFRSSLYLLME
39076	Q9NQX4	685	IRISAQSYPWRWT
39077	Q9NQX4	711	KQELSFSDKKEVC
39078	Q9NQX4	1014	RMLLEKSFELKTQ
39079	Q9NQX4	1094	VEKHVQSQKREMR
39080	Q9NQX4	1113	TKQLLESYDIEDV
39081	Q9NQX4	1153	ATRVLESHFQSQK
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39083	Q9NQX4	1219	DFKQQISELEKQK
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39088	Q9NQX4	1483	LNNFDLSEYRQIL
39089	Q9NQX4	1490	EYRQILSDVAIRI
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39092	Q9NQX4	1625	DKNLQNSLAKETL
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39094	Q9NQX4	1662	ERCTSLSAVQIIK
39095	Q9NQX4	1672	IIKILNSYTPIDD
39096	Q9NQX4	1686	EKRVTGPSFVRKVQ
39097	Q9NQX4	1701	LNSREDSQLMLD
39098	Q9NQX4	1721	TFPFPTSPHALEM
39099	Q9NQX4	1733	MIQIPSSFKLGFL
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39101	Q9NR20	16	EIPFHPSIKTQDP
39102	Q9NR20	28	PKAEEKSPKKQKV
39103	Q9NR20	50	LFKNQLSPYEQSE
39104	Q9NR20	55	LSPYEQSEILGYA
39105	Q9NR20	81	TAPEKFSKTSFDD

39106	Q9NR20	84	EKF SKTS FDDEHG
39107	Q9NR20	114	ETIGKGS FGQVAK
39108	Q9NR20	203	NNFQGFS LSI VRR
39109	Q9NR20	205	FQGFSL SIVRRT
39110	Q9NR20	213	VRRFTL SVLKCLQ
39111	Q9NR20	222	KCLQML SVEKIIH
39112	Q9NR20	245	YQKGQAS VKVIDF
39113	Q9NR20	254	VIDFGSS SCYEHQK
39114	Q9NR20	267	VYTYIQS RFYRSP
39115	Q9NR20	272	QSRFYRS PEVILG
39116	Q9NR20	289	VAIDMW SLGCITA
39117	Q9NR20	332	GFIQTA SRRQTFF
39118	Q9NR20	340	RQTFFD SKGFPKN
39119	Q9NR20	359	KKRYPD SKDLTMV
39120	Q9NR20	372	LKTYDT SFLDFLR
39121	Q9NR20	386	CLVWEPS LRMTPD
39122	Q9NR20	403	HAWIHQS RNLKPQ
39123	Q9NR20	418	PQTLRK SNSFFPS
39124	Q9NR20	437	VQGCHHS SRKADE
39125	Q9NR20	438	QGCHHS SRKADEI
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39127	Q9NR20	489	VDAPKK SEAAVGA
39128	Q9NR20	498	AVGAEV SMTSPGQ
39129	Q9NR20	501	AEVSMT SPGQSKN
39130	Q9NR20	505	MTSPGQ SKNFSLK
39131	Q9NR20	509	GQSKNF SLKNTNV
39132	Q9NR22	23	AENAAE STEVN SP
39133	Q9NR22	28	ESTEVNS PPSQPP
39134	Q9NR22	31	EVNSPPS QPPQPV
39135	Q9NR22	50	QC VHHV S TQPSCP
39136	Q9NR22	54	HVSTQPS CPGRGK
39137	Q9NR22	62	PGRGKMS KLLNPE
39138	Q9NR22	72	NPEEMT S RDYYFD
39139	Q9NR22	79	RDYYFDS YAHFGI
39140	Q9NR22	102	TLT YRN S MYHNKH
39141	Q9NR22	120	VVL DVGS GTGILS
39142	Q9NR22	126	SGTGILS MFAAKA
39143	Q9NR22	143	VFGIECS SISDYS
39144	Q9NR22	144	FGIECSS ISDYSE
39145	Q9NR22	146	IECSSIS DYSEKI
39146	Q9NR22	149	SSISDY SEKIIKA
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39148	Q9NR22	195	YCLFY E SMLNTVI
39149	Q9NR22	289	VKTEEL SFTSAFC
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39152	Q9NR22	359	EIYGTIS MKPNAK
39153	Q9NR22	386	GQLCET S VSNDYK
39154	Q9NR30	38	KKEKP KS DKTEEI
39155	Q9NR30	65	KKKAEP S EVDMNS
39156	Q9NR30	74	DMNSPKS KKAKKK
39157	Q9NR30	84	KKKEEP S QNDISP
39158	Q9NR30	108	IEKKVV S SKTKKV
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39160	Q9NR30	168	NPSEA A SEESNSE
39161	Q9NR30	189	QKEGAF S NFPISE
39162	Q9NR30	194	FSNFP I SEETIKL
39163	Q9NR30	239	GTGKTFS FAIPLI

39164	Q9NR30	277	ELANQVS KDFSDI
39165	Q9NR30	281	QVSKDF S DITKKL
39166	Q9NR30	288	DITKKL S VACFYG
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39169	Q9NR30	466	IKQDAQS LHGDIP
39170	Q9NR30	487	KGFRNG SFGVLVA
39171	Q9NR30	512	VDLVIQS SPPKDV
39172	Q9NR30	520	PPKDVE SYIHRSG
39173	Q9NR30	525	ESYIHR S GRTGRA
39174	Q9NR30	575	TEIIKAS SKDAIR
39175	Q9NR30	576	EIIKASS KDAIRL
39176	Q9NR30	592	VPPTAIS HFKQSA
39177	Q9NR30	597	ISHFKQ SAEKLIE
39178	Q9NR30	623	HISGAT SVDQRSL
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39180	Q9NR30	700	QEWHDS RRWQLS
39181	Q9NR30	706	SRRWQLS VATEQP
39182	Q9NR30	751	RGQREG SRGPRGQ
39183	Q9NR30	759	GPRGQRS GGGNKS
39184	Q9NR30	768	GNKSNRS QNKGQK
39185	Q9NR50	14	MAVGGS RMTDLT
39186	Q9NR50	21	RMTDLT SIPKPL
39187	Q9NR50	22	MTDLT SIPKPLL
39188	Q9NR50	89	DMGTADS LRYIYP
39189	Q9NR50	105	TDVLVLS CDLITD
39190	Q9NR50	127	FRAYDAS LAMLMR
39191	Q9NR50	138	MRKGQDS IEPVPG
39192	Q9NR50	162	DFIGVD STGKRL
39193	Q9NR50	185	ELVIKGS ILQKHP
39194	Q9NR50	220	FLMENG SITSIRS
39195	Q9NR50	223	ENGSITS IRSELI
39196	Q9NR50	226	SITSIR SELIPYL
39197	Q9NR50	238	LVRKQFS SASSQQ
39198	Q9NR50	239	VRKQFSS AASSQQG
39199	Q9NR50	241	KQFSSAS SQQGQE
39200	Q9NR50	242	QFSSASS QQGQEE
39201	Q9NR50	260	KKKELKS LDIYSF
39202	Q9NR50	265	KSLDIYS FIKEAN
39203	Q9NR50	294	DRWEDLS RSQVRC
39204	Q9NR50	296	WEDLSRS QVRCYV
39205	Q9NR50	331	QVPKLLS ALCPEE
39206	Q9NR50	342	EEPPVHS SAQIVS
39207	Q9NR50	343	EPPVHS SAQIVSK
39208	Q9NR50	356	HLGVVD S LIGPET
39209	Q9NR50	368	TQIGEK S IKRSV
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39211	Q9NR50	373	KSSIKRS SVIGSSC
39212	Q9NR50	377	KRSVIG S CLIKD
39213	Q9NR50	378	RSVIGSS CLIKD
39214	Q9NR50	395	NCLLMNS SVTVEEG
39215	Q9NR50	402	VTVEEGS NIQGSV
39216	Q9NR50	407	GSNIQGS VICNMA
39217	Q9NR50	428	KDCLIGS GQRIEA
39218	Q9NRD5	36	QNLIGIS SIGGQAQ
39219	Q9NRD5	77	TGVNGRS IKGKTK
39220	Q9NRD5	113	DPKQGMS LDIVLK
39221	Q9NRD5	130	RLVENMS SGTADA

39222	Q9NRD5	131	LVENMSSGTADAL
39223	Q9NRD5	140	ADALGLSRAILCN
39224	Q9NRD5	181	RAFYELSQTHRAF
39225	Q9NRD5	192	AFGDVFSVIGVRE
39226	Q9NRD5	204	EPQPAASEAFVKF
39227	Q9NRD5	216	FADAHRSEIEKFGI
39228	Q9NRD5	262	VKFELYSYCLKVK
39229	Q9NRD5	276	MDDEEYSCLALGE
39230	Q9NRD5	288	EPLYRVSTGNYEY
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39233	Q9NRD5	342	RLVSTMSKYNDC
39234	Q9NRD5	396	TAAGEPSRDTRGA
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39237	Q9NRF9	38	EARSAISRAASVF
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39253	Q9NRH2	397	PARAADS VLN GHR
39254	Q9NRH2	404	VLNGHRSKGLCDS
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39258	Q9NRH2	518	LKMNIASPGTVHK
39259	Q9NRH2	531	RYHRRKSQGRGSS
39260	Q9NRH2	536	KSQGRGS SCSSSE
39261	Q9NRH2	539	GRGSSCS SSETSD
39262	Q9NRH2	540	RGSSCSS SETSDD
39263	Q9NRH2	548	ETSDDDSESRRRL
39264	Q9NRH2	563	DSGFTYSWHR RDS
39265	Q9NRH2	576	SEGPPGSEG DGGG
39266	Q9NRH2	584	GDGGGQSKPNAS
39267	Q9NRH2	597	GGVDKAS PSENNA
39268	Q9NRH2	599	VDKASP SENNAGG
39269	Q9NRH2	609	AGGGSPSSGSGGN
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39271	Q9NRH2	612	GSPSSGSGGNPTN
39272	Q9NRH2	630	RRCAGPSNSMQLA
39273	Q9NRH2	637	NSMQLASRSAGEL
39274	Q9NRH2	661	GSQLHGSTKYIID
39275	Q9NRH2	691	WKMCISS TGNAGQ
39276	Q9NRH2	708	GGIKFFSDHMADT
39277	Q9NRH2	756	EGLLCAS SPASCC
39278	Q9NRM7	12	FPATTYS GNSRQR
39279	Q9NRM7	32	LKQPSKSSVQGLP

39280	Q9NRM7	91	LPFANESGTSAAG
39281	Q9NRM7	126	ALKQTGSRSIEAA
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39284	Q9NRM7	195	TPYEGPSFGADGP
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39288	Q9NRM7	277	RSPSFQSKTPPET
39289	Q9NRM7	335	HVLGSRSQVFASD
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39291	Q9NRM7	380	TLARRDSLQKPG
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39293	Q9NRM7	543	CAGMEQSLRAGPN
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39295	Q9NRM7	584	VPVRKNSRDEEKR
39296	Q9NRM7	596	RESRIKSYSPYAF
39297	Q9NRM7	755	PGGDMMSSLIRME
39298	Q9NRM7	822	FRWTHNSKYYQKG
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39301	Q9NRM7	941	PAQVKLSPPEARL
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39303	Q9NRM7	980	SAIDFSSDIRKQP
39304	Q9NRM7	1000	SHPMDTSNFDPVD
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39307	Q9NRM7	1059	FRCPKPSSGAEASQ
39308	Q9NRM7	1064	PSGAEASQAESSD
39309	Q9NRY4	22	ISVVGLSGTEKEK
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39311	Q9NRY4	110	TFQPHRSTALQPY
39312	Q9NRY4	167	LLGIDVSRGMNRR
39313	Q9NRY4	229	LQVVETARSNNVN
39314	Q9NRY4	302	SRKMQASSPEYQDY
39315	Q9NRY4	362	DEIDHLSCKAKK
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39317	Q9NRY4	636	GKMYELSRLPIEG
39318	Q9NRY4	672	NSKESLSYVVESI
39319	Q9NRY4	677	LSYVVESIEKSRE
39320	Q9NRY4	684	IEKSRESTLGRD
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39330	Q9NRY4	985	NSNLQDSEEDIEP
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39345	Q9NS18	39	AAAAAAASGMESNT
39346	Q9NS18	43	AASGMESNTSSSL
39347	Q9NS18	46	GMESNTSSLENL
39348	Q9NS18	47	MESNTSSLENLA
39349	Q9NS18	48	ESNTSSLENLAT
39350	Q9NS18	65	QIQETISDNCVVI
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39360	Q9NS28	66	DTRSSRSGLAKE
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39362	Q9NS28	86	AVKWGESFDKLLS
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39366	Q9NS28	164	KEVITNSITQPTL
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39382	Q9NS56	474	NNDSDDSSDNCVI
39383	Q9NS56	475	NDSDDSSDNCVIV
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39389	Q9NS56	626	GKKRMKSKRSRSR
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39393	Q9NS56	708	WEYTYYSRNKDRD
39394	Q9NS56	735	HYSRQSSSPEFRV
39395	Q9NS56	771	ERHRSRSLSNR

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39397	Q9NS56	840	GNYKNE\$DTFSDS
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39399	Q9NS56	1006	EESTFV\$DLENQP
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39402	Q9NS56	1032	LPS\$PRTS\$LMSVCL
39403	Q9NS56	1035	PRT\$LMS\$VCLGRD
39404	Q9NS69	15	GAGEPQS\$PDELLP
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39408	Q9NS69	81	QKMYRFSRAALWI
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39410	Q9NS69	128	GPNTGL\$GGMPGA
39411	Q9NUB1	16	VGRLLG\$LRGLSG
39412	Q9NUB1	21	GSLRGL\$GQPARP
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39414	Q9NUB1	42	RAASGPSGSAPAV
39415	Q9NUB1	44	ASGPSGSAPAVAA
39416	Q9NUB1	62	GSYPALSQAQAARE
39417	Q9NUB1	111	GGQLNV\$VNCLDQ
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39419	Q9NUB1	175	AIYMPV\$PLAVAA
39420	Q9NUB1	200	VIFAGF\$AESLAG
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39422	Q9NUB1	282	PVCAPES\$MGSEDM
39423	Q9NUB1	285	APESMG\$EDMLFM
39424	Q9NUB1	295	LFMLYT\$GSTGMP
39425	Q9NUB1	297	MLYTSG\$TGMPKG
39426	Q9NUB1	357	LCNGAT\$VLFEST
39427	Q9NUB1	362	TSVLFEST\$PVYPN
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39436	Q9NUB1	556	DDVINIS\$GHRLGT
39437	Q9NUB1	578	H\$PAVPES\$AVIGYP
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39439	Q9NUB1	605	KDSAGDS\$DVVVQE
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39442	Q9NUB1	669	TTLEDPS\$IIAEIL
39443	Q9NUB1	676	IIAEIL\$SVYQKCK
39444	Q9NUP9	27	LEKLQRS\$GEVPPQ
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39446	Q9NUP9	64	YETVDI\$SS\$PEVR
39447	Q9NUP9	65	ETVDI\$SS\$PEVRA
39448	Q9NUP9	66	TVDI\$SS\$PEVRA
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39456	Q9NV92	12	SQRVCASGPSMLN
39457	Q9NV92	15	VCASGPSMLNSAR
39458	Q9NV92	19	GPSMLNSARGAPE
39459	Q9NV92	37	ATNAEVAAAAGA
39460	Q9NV92	46	AAGATGSEELPPG
39461	Q9NV92	69	GPAATTSTGVAV
39462	Q9NV92	70	PAATTSSSTGVAVG
39463	Q9NV92	83	AEHGEDSLSRKPD
39464	Q9NV92	85	HGEDSLSRKPDP
39465	Q9NV92	115	LNEEDNSESSAIE
39466	Q9NV92	117	EEDNSESSAIEQP
39467	Q9NV92	118	EDNSESSAIEQPP
39468	Q9NV92	126	IEQPPTSNPAPQI
39469	Q9NV92	137	QIVQAASSAPALE
39470	Q9NV92	138	IVQAASSAPALET
39471	Q9NV92	146	PALETDSPPPYS
39472	Q9NV92	147	ALETDSSPPYSS
39473	Q9NV92	152	SSPPYSSITVEV
39474	Q9NV92	153	SPPPYSSITVEVP
39475	Q9NV92	162	VEVPTTSDEVYVG
39476	Q9NV92	178	PVPPPYSVATSLP
39477	Q9NV92	182	PYSVATSPTYDE
39478	Q9NV92	205	AAAAETSQRIQEE
39479	Q9NV92	220	PPRDDFSADQLR
39480	Q9NV92	251	WLGFCLSFCITNT
39481	Q9NV92	271	ICGFGLSLIKWIL
39482	Q9NV92	282	ILIVRFSDYFTGY
39483	Q9NV92	321	LKVRNMSSESMAAA
39484	Q9NV92	323	VRNMSESMAAAHR
39485	Q9NVI1	87	LQKEIASEIIIGLL
39486	Q9NVI1	225	VLSSKGSRKSYLE
39487	Q9NVI1	238	GIIAFFSALDKQH
39488	Q9NVI1	306	DSNNNLSPFSIAL
39489	Q9NVI1	333	LDLLKTSVVKSFK
39490	Q9NVI1	361	PHRSYVSTMILEV
39491	Q9NVI1	374	VKNHSVSDHDVTQ
39492	Q9NVI1	409	TIETSPSLSRMPN
39493	Q9NVI1	476	APLVLQSCSSKV
39494	Q9NVI1	478	LVLQSCSKVTEA
39495	Q9NVI1	489	EAFDYLSPFLPLQT
39496	Q9NVI1	554	KVLGSLSSSQCSQ
39497	Q9NVI1	559	LSSSQCSQSLSVS
39498	Q9NVI1	573	VHVVDVHSHYNSVA
39499	Q9NVI1	577	VHSHYNBVANETF
39500	Q9NVI1	590	CLEIMDSLRRCLS
39501	Q9NVI1	732	SADFSQSTSIGIK
39502	Q9NVI1	830	SHQESLSQLRSSN
39503	Q9NVI1	860	KETGHVSGPDGQN
39504	Q9NVI1	895	PTSVEESGKKEKG
39505	Q9NVI1	965	IRQFQRSLLNLLS
39506	Q9NVI1	993	TVLTSLSKLLEPS
39507	Q9NVI1	999	SKLLEPSSPQFVQ
39508	Q9NVI1	1018	KICKENSREDALF
39509	Q9NVI1	1050	ILLRDLSQDIHGH
39510	Q9NVI1	1116	VSQETLSEEASSQ
39511	Q9NVI1	1155	VQTALPSGCSVDT

39512	Q9NVI1	1187	LQVCQSSGGIPKN
39513	Q9NVI1	1220	SYVQNKS K SLNYT
39514	Q9NVI1	1282	MQHMKL S TSRDFK
39515	Q9NVI1	1284	HMKLST S RDFKIK
39516	Q9NVI7	48	APKDKW S NFDPTG
39517	Q9NVI7	68	ARELEH S RYAKDA
39518	Q9NVI7	91	LQLEQQ S KLKMRL
39519	Q9NVI7	101	MRLEAL S LLHTLV
39520	Q9NVI7	111	TLVWAWS S LCRAGA
39521	Q9NVI7	125	QTQERL S GSASPE
39522	Q9NVI7	127	QERLSG S ASPEQV
39523	Q9NVI7	129	RLSGSAS S PEQVPA
39524	Q9NVI7	153	AVEQLK S EQIRAQ
39525	Q9NVI7	168	ERRKTL S EETRQH
39526	Q9NVI7	210	LRKQEES S VQKQEA
39527	Q9NVI7	273	RQTVLES S IRTAGT
39528	Q9NVI7	311	LAVGVY S AKNATL
39529	Q9NVI7	331	ARLGKP S LVRETS
39530	Q9NVI7	337	SLVRET S RITVLE
39531	Q9NVI7	352	RHPIQVS S RRLLSR
39532	Q9NVI7	357	VSRRLLS S RPQDAL
39533	Q9NVI7	369	LEGVVLS S PSLEAR
39534	Q9NVI7	371	GVVLSP S LEARVR
39535	Q9NVI7	391	NTKKNR S LYRNIL
39536	Q9NVI7	417	KKLALH S GMDYAI
39537	Q9NVI7	450	FDWANT S RRGLLL
39538	Q9NVI7	474	RATEKI S EDLRAT
39539	Q9NVI7	492	YRTGQHS S NKFMLV
39540	Q9NVI7	501	FMLVLAS S NQPEQF
39541	Q9NVI7	564	DYGRKC S EVARLT
39542	Q9NVI7	574	RLTEGMS S GREIAQ
39543	Q9NVI7	584	IAQLAV S WQATAY
39544	Q9NVI7	592	QATAYA S EDGVLT
39545	Q9NVJ2	14	LLDWFR S LFWKEE
39546	Q9NVJ2	31	LVGLQY S GKTTFV
39547	Q9NVJ2	42	FVNVIAS S GQFSED
39548	Q9NVJ2	46	IASGQFS S EDMIPT
39549	Q9NVJ2	80	GQPRFR S MWERYC
39550	Q9NVJ2	107	REKIEAS S RNELHN
39551	Q9NVJ2	150	IEKMNL S AIQDRE
39552	Q9NVJ2	161	REICCY S ISCKEK
39553	Q9NVJ2	163	ICCYSIS S CKEKD
39554	Q9NVX2	31	GGQLLGS S PFDVPV
39555	Q9NVX2	79	LGKTLES S QAVETE
39556	Q9NVX2	108	AVTRCTS S SLEGH
39557	Q9NVX2	109	VTRCTSS S LEGHSE
39558	Q9NVX2	114	SSLEGH S EAIVIS
39559	Q9NVX2	123	VISVAFS S PTGKYL
39560	Q9NVX2	131	TGKYLAS S GSGDTT
39561	Q9NVX2	133	KYLASGS S GDTT
39562	Q9NVX2	144	VRFWDLS S TETPHF
39563	Q9NVX2	161	HRHWVLS S ISWSPD
39564	Q9NVX2	163	HWVLSIS S WSPDGR
39565	Q9NVX2	165	VLSISWS S PDGRKL
39566	Q9NVX2	199	RTLAGH S KWITGL
39567	Q9NVX2	221	ECRYVAS S SSKDGS
39568	Q9NVX2	222	CRYVASS S KDGSV
39569	Q9NVX2	223	RYVASS S KDGSV

39570	Q9NVX2	227	SSSKDGSVRIWDT
39571	Q9NVX2	248	LTGHTQS V TCLRW
39572	Q9NVX2	262	GDGLLYSASQDRT
39573	Q9NVX2	264	GLLYSASQDRTIK
39574	Q9NVX2	296	VNTMALS T DYALR
39575	Q9NVX2	312	FEPAEASVNPQDL
39576	Q9NVX2	348	ERLVSGSDDFTLF
39577	Q9NVX2	381	INQVLFS P DSRIV
39578	Q9NVX2	391	RIVASASFDKSIK
39579	Q9NVX2	395	SASF D KSIKLWDG
39580	Q9NVX2	409	TGKYLASLRGHVA
39581	Q9NVX2	426	IAWSADSRLLVSG
39582	Q9NVX2	433	RLLVSGSSDSTLK
39583	Q9NVX2	434	LLVSGSSDSTLK
39584	Q9NVX2	436	VSGSSD S TLKVWD
39585	Q9NVX2	465	VYAVDWS P DGQRV
39586	Q9NVX2	473	DGQRVASGGDKC
39587	Q9NW13	14	VGR L PPSARSEQL
39588	Q9NW13	25	QLEELFSQVGPVK
39589	Q9NW13	41	VVTEKGSKACRGF
39590	Q9NW13	53	FGYVTFS M LEDVQ
39591	Q9NW13	95	KGKNENSECPKKE
39592	Q9NW13	122	LIIRNL S FKCSED
39593	Q9NW13	126	NLSFKC S EDDLKT
39594	Q9NW13	200	KYKD T QSVSAIGE
39595	Q9NW13	209	AIGEEKSHESKHQ
39596	Q9NW13	212	EKSHE S KHQESV
39597	Q9NW13	217	ESKHQE S VKKGR
39598	Q9NW13	259	EENIES K VTKPV
39599	Q9NW13	280	RPAPAKS S DHSEE
39600	Q9NW13	284	AKSSDHSEEDSDL
39601	Q9NW13	288	DHSEEDS D LEESD
39602	Q9NW13	293	DSDLEES D SIDDG
39603	Q9NW13	305	GEELAQ S DTSTEE
39604	Q9NW13	308	LAQSDT S TEEQED
39605	Q9NW13	320	DKAVQVS N KKKRK
39606	Q9NW13	329	KKRKLP S DVNEGK
39607	Q9NW13	346	RNLSFD S EEEELG
39608	Q9NW13	375	HPTDEHS K CAFA
39609	Q9NW13	459	KAAEGVS A ADMAK
39610	Q9NW13	485	DQNIFVS R TRLCL
39611	Q9NW13	512	LLLSAT S GEKGVR
39612	Q9NW13	539	GNMKQ S LGYAFA
39613	Q9NW13	578	RPIVEF S LEDRRK
39614	Q9NW13	595	ELRIQR S LQKMRS
39615	Q9NW13	632	HHTEEQ S KVPPEQ
39616	Q9NW13	644	QKRKAG S TSWTGF
39617	Q9NW13	712	QEKKQL S SEQVSR
39618	Q9NW13	717	LSSEQVS R KKAKG
39619	Q9NW13	745	QKLLGPSKGAPIA
39620	Q9NWH9	32	RVIDLK S ELKRRN
39621	Q9NWH9	93	HEADEL S GDASVE
39622	Q9NWH9	139	EEENVHS K ELLSA
39623	Q9NWH9	209	DGTQEV S KPLPSE
39624	Q9NWH9	244	AEDDNIS V TIQAE
39625	Q9NWH9	274	NVKITD S EASKPK
39626	Q9NWH9	324	EKEARES S KKAES
39627	Q9NWH9	353	ASGQAK S SSKESK

39628	Q9NWH9	354	SGQAKSSKESKD
39629	Q9NWH9	378	TSSTSGSSGSSTK
39630	Q9NWH9	382	SGSSGSSSTKNIWV
39631	Q9NWH9	389	TKNIWVSGLSSNT
39632	Q9NWH9	392	IWVSGLSSNTKAAD
39633	Q9NWH9	393	WVSGLSSNTKAAD
39634	Q9NWH9	412	KYGKVLSAKVVTN
39635	Q9NWH9	421	VVTNARS PGAKCY
39636	Q9NWH9	433	YGVITMSSSTEVS
39637	Q9NWH9	465	KVKGDPSKKEMKK
39638	Q9NWH9	477	KENDEKS SSSRSG
39639	Q9NWH9	479	NDEKSSS RSSGDK
39640	Q9NWH9	492	KNTSDRS SKTQAS
39641	Q9NWH9	507	KEEKRSSEKSEKK
39642	Q9NWH9	510	KRSSEKSEKESK
39643	Q9NWH9	515	KSEKKESS KDTKKI
39644	Q9NWH9	583	EKIHGRS KEKERA
39645	Q9NWH9	725	EQEKRNS LKRPRD
39646	Q9NWH9	815	ARREDPS FERYPK
39647	Q9NWH9	878	EAGPNPS RPTSWK
39648	Q9NWH9	904	VERPERS GREVSG
39649	Q9NWH9	912	REVSGHS VRGAPP
39650	Q9NWH9	922	APPGNRS SASGYG
39651	Q9NWH9	998	GMITQHS SNASPI
39652	Q9NWH9	1011	NRIVQIS GNSMPR
39653	Q9NWQ8	10	AGSLLGS GQMQT
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39655	Q9NWQ8	38	FLIFLCSS CDRREK
39656	Q9NWQ8	39	LIFLCSS CDRREK
39657	Q9NWQ8	50	KKPRQHS GDHENL
39658	Q9NWQ8	61	NLMNVPS DKEMFS
39659	Q9NWQ8	67	SDKEMFS SRVTS
39660	Q9NWQ8	80	ATDAPAS SEQNGA
39661	Q9NWQ8	81	TDAPAS SEQNGAL
39662	Q9NWQ8	94	TNGDILSEDSTLT
39663	Q9NWQ8	97	DILSEDST LTCMQ
39664	Q9NWQ8	111	YEEVQTS ASDLLD
39665	Q9NWQ8	113	EVQTSAS DLLDSQ
39666	Q9NWQ8	118	ASDLLDS QDSTGK
39667	Q9NWQ8	130	KPKCHQS RELPRI
39668	Q9NWQ8	150	TMLTARS VDGDQG
39669	Q9NWQ8	169	YEVLKDS SSQENM
39670	Q9NWQ8	171	VLKDSSSQENMVE
39671	Q9NWQ8	201	HLEKGHS GKAKST
39672	Q9NWQ8	239	NKKCRQSVNVESI
39673	Q9NWQ8	249	ESILGNS CDPEEE
39674	Q9NWQ8	282	GGEAEES ATDTTS
39675	Q9NWQ8	288	SATDTTSETNKRF
39676	Q9NWQ8	295	ETNKRFSSLSYKS
39677	Q9NWQ8	296	TNKRFSSLSYKSR
39678	Q9NWQ8	298	KRFSSLSYKSREE
39679	Q9NWQ8	301	SSL SYKS REEDPT
39680	Q9NWQ8	314	LTEEEIS AMYSSV
39681	Q9NWQ8	330	GQLVNKS GQSLTV
39682	Q9NWQ8	351	QGDPQRSPSSCND
39683	Q9NWQ8	371	FEKTPNSTLPPAG
39684	Q9NWQ8	380	PPAGR PSEEPEPD
39685	Q9NWQ8	419	KENDYES ISDLQQ

39686	Q9NWZ3	8	NKPITPS T YVRCL
39687	Q9NWZ3	23	GLIRKLS D FIDPQ
39688	Q9NWZ3	43	VAIKKPS G DDRYN
39689	Q9NWZ3	65	LLQTGKS P TSSELL
39690	Q9NWZ3	68	TGKSPT S ELLFDW
39691	Q9NWZ3	98	EFFAPAS L LLPDA
39692	Q9NWZ3	114	TANTLPS K EAITV
39693	Q9NWZ3	144	VQNLEQS Y MPPDS
39694	Q9NWZ3	150	SYMPPD S SSPENK
39695	Q9NWZ3	151	YMPPD S SSPENKS
39696	Q9NWZ3	152	MPPD S SSPENKSL
39697	Q9NWZ3	157	SSPENK S LEVSDT
39698	Q9NWZ3	161	NKSLEVS D TRFHs
39699	Q9NWZ3	167	SDTRFH S FSFYEL
39700	Q9NWZ3	169	TRFH S FSFYELKN
39701	Q9NWZ3	186	FDERPI S VGGNM
39702	Q9NWZ3	252	VELLGFS S DGDDL
39703	Q9NWZ3	253	ELLGFSS D GDLIC
39704	Q9NWZ3	269	VYMPNGS L LDRLS
39705	Q9NWZ3	275	SLLDRIL S CLDGTP
39706	Q9NWZ3	284	DGTPPLS W HMRCK
39707	Q9NWZ3	314	IHRDIKS A NIILD
39708	Q9NWZ3	328	AFTAKIS D FGLAR
39709	Q9NWZ3	336	FGLARASE K FAQT
39710	Q9NWZ3	368	GEITPKS D IYSFG
39711	Q9NWZ3	372	PKSDIYS F GVVLL
39712	Q9NWZ3	423	KMNDAD S TSVEAM
39713	Q9NWZ3	425	NDADSTS V EAMYS
39714	Q9NWZ3	431	SVEAMYS V ASQCL
39715	Q9NWZ3	434	AMYSVAS Q CLHEK
39716	Q9NX09	9	SLWDRF S SSSTSS
39717	Q9NX09	10	LWDRF S SSSTSSS
39718	Q9NX09	11	WDRF S SSSTSSSP
39719	Q9NX09	12	DRF S SSSTSSSPS
39720	Q9NX09	15	SSS T SSSPSSL
39721	Q9NX09	16	SSST S SSPSSLPR
39722	Q9NX09	18	STSSSPS SL PRTP
39723	Q9NX09	32	PDRPPRS A WGSAT
39724	Q9NX09	36	PRSAWGS A TREEG
39725	Q9NX09	46	EEGFDR S TSLESS
39726	Q9NX09	48	GFDR S TSLESSDC
39727	Q9NX09	51	RSTSLES D CESL
39728	Q9NX09	56	ESSD C ESLDSSNS
39729	Q9NX09	59	DCESLD S NSNGFG
39730	Q9NX09	60	CESLD S NSNGFGP
39731	Q9NX09	62	SLDSS N SGFGPEE
39732	Q9NX09	85	PDFELL S DPEDEH
39733	Q9NX09	103	MQLLQES L AQARL
39734	Q9NX09	111	AQARL G RRPARL
39735	Q9NX09	125	MPSQLV S QVGKEL
39736	Q9NX09	137	LLRLAY S EPGCLR
39737	Q9NX09	156	CVEQGK S CHSVGQ
39738	Q9NX09	159	QGKSCH S VGQLAL
39739	Q9NX09	168	QLALDP S LVPTFQ
39740	Q9NX09	183	LVLRLD S RLWPKI
39741	Q9NX09	195	IQGLFSSANS P FL
39742	Q9NX09	205	PFLPGF S QSLTLS
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39744	Q9NX09	211	SQSLTLS T GFRVI
39745	Q9NX09	223	IKKKLYS S EQLLI
39746	Q9NX09	224	KKKLYS S EQLLIE
39747	Q9NX76	8	ENGAVY S PTTEED
39748	Q9NX76	23	PARGPR S GLAAYF
39749	Q9NX76	49	GLQLL S LLAFIC
39750	Q9NX76	60	ICEEVVS Q CTLCG
39751	Q9NX76	75	YFFEFV S CSAFL
39752	Q9NX76	77	FEFVSC S AFL
39753	Q9NX76	82	CSAFL S L
39754	Q9NX76	104	DTTKVK S DFYIT
39755	Q9NX76	105	TTKVKS S DFYITL
39756	Q9NX76	121	CVFLLAS I IFVST
39757	Q9NX76	126	ASIIIFV S THDRTS
39758	Q9NX76	132	STHDRT S AEIAAI
39759	Q9NX76	145	VFGFIAS F MFLLD
39760	Q9NX76	163	YEKRQ E SQLRKPE
39761	Q9NXV6	10	EVSEYL S QNPRVA
39762	Q9NXV6	56	GGAAS A S TDEAAD
39763	Q9NXV6	141	EGVEEP S KKRVIE
39764	Q9NXV6	152	IEGKNSS A VEQDH
39765	Q9NXV6	162	QDHAKT S AKTERA
39766	Q9NXV6	190	KSESGNS A RSSGI
39767	Q9NXV6	193	SGNSARS S GISSQ
39768	Q9NXV6	198	RSSGISS Q NSSSTS
39769	Q9NXV6	202	ISSQNS S TDGDR
39770	Q9NXV6	204	SQNSSTS D GDRSV
39771	Q9NXV6	216	VSSQSS S VSSQV
39772	Q9NXV6	227	QVTTAG S GKASEA
39773	Q9NXV6	231	AGSGKA S EAEPD
39774	Q9NXV6	243	DKHGS A S FVSLLK
39775	Q9NXV6	246	GSASF V SLKSSV
39776	Q9NXV6	262	MTQSTD S RQQSGS
39777	Q9NXV6	278	SALEG S SASASQS
39778	Q9NXV6	286	SASQSS E IEVPL
39779	Q9NXV6	298	LLGSS G SEVELP
39780	Q9NXV6	308	ELPLL S KPSSET
39781	Q9NXV6	312	LSSKP S SETASSG
39782	Q9NXV6	338	SVAKN S SSGTSL
39783	Q9NXV6	349	SLLTPK S SSSTNT
39784	Q9NXV6	350	LLTPK S SSSTNTS
39785	Q9NXV6	376	LLASK S SQTSGS
39786	Q9NXV6	380	KSSSQ T GS LVSK
39787	Q9NXV6	382	SSQTSG S LVSK
39788	Q9NXV6	401	QLASK S SQTSTS
39789	Q9NXV6	411	STSQLP S KSTSQS
39790	Q9NXV6	418	KSTSQS E SSVKF
39791	Q9NXV6	421	SQSSES S VKFCK
39792	Q9NXV6	509	CCLRCK S VY LGTG
39793	Q9NXV6	564	VLLDEE S RPVNLP
39794	Q9NYA1	36	ALQLFR S HVQPLL
39795	Q9NYA1	48	LAEAE I FTLMLT
39796	Q9NYA1	66	ARELVR S ELGRW
39797	Q9NYA1	79	DALVVMS G DGLMH
39798	Q9NYA1	107	IQKPLC S LPAGSG
39799	Q9NYA1	112	CSLPAG S GNALAA
39800	Q9NYA1	119	GNALAA S LNHYAG
39801	Q9NYA1	148	LCRRL S PMNLLS

39802	Q9NYA1	154	SPMNLLS L HHTASG
39803	Q9NYA1	159	LSLHTAS G LRLFS
39804	Q9NYA1	165	SGLRLF S VLSLAW
39805	Q9NYA1	168	RLFSV L SLAWGFI
39806	Q9NYA1	181	ADVDLE E SEKYRRL
39807	Q9NYA1	220	PVGRVG S KTPASP
39808	Q9NYA1	247	LEEPV P SHWTVVVP
39809	Q9NYA1	266	VLALLH S HLGSEM
39810	Q9NYA1	270	LHSHLG S EMFAAP
39811	Q9NYA1	295	YVRAGV S RAMLLR
39812	Q9NYA1	347	DGELMV S EAQGQ
39813	Q9NYA1	363	NYFWMV S GCVEPP
39814	Q9NYA1	371	CVEPPP S WKPQQM
39815	Q9NYF0	178	LSNSSNSVFSECL
39816	Q9NYF0	210	SDGCPK S ADLIGL
39817	Q9NYF0	229	HCEDQAS G AVCRS
39818	Q9NYF0	235	SGAVCR S LSTPQF
39819	Q9NYF0	243	STPQFN S LDVIAD
39820	Q9NYF0	280	HAVAVQ S PMFLLC
39821	Q9NYF0	330	SSLWSA S HPSSSK
39822	Q9NYF0	333	WSASHP S SSKKMD
39823	Q9NYF0	334	SASHP S SSKKMDG
39824	Q9NYF0	335	ASHPSS S KKMDGY
39825	Q9NYF0	344	MDGYIL S LVQKKT
39826	Q9NYF0	361	TNKPR T SVNADPT
39827	Q9NYF0	385	RAPGGV S QGNCSVN
39828	Q9NYF0	395	SVNLKNS S KQACLP
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39830	Q9NYF0	420	SPPKQ W SKEKSAE
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39832	Q9NYF0	449	AASDLQS K HLPKT
39833	Q9NYF0	467	QEHARC S AITGE
39834	Q9NYF0	474	AITGE S PKESAQ
39835	Q9NYF0	478	GESPK E SAQLSGA
39836	Q9NYF0	489	GASP K ESPSRGPA
39837	Q9NYF0	583	GVVKNS S LKHGRP
39838	Q9NYF0	609	EKTRAG S KKCRFP
39839	Q9NYF0	634	SSKGRK S GGGPEA
39840	Q9NYF0	682	YRRWK S AEISYE
39841	Q9NYF0	732	YSAECE S LFHSTV
39842	Q9NYF0	736	CESLFH S TVVDT
39843	Q9NYF0	770	GEFVG E STTSDS
39844	Q9NYF0	776	STTTSD E SESGGL
39845	Q9NYF0	785	SGGLI W SQFVQTL
39846	Q9NYF8	8	GRSNRS R SHSSRSK
39847	Q9NYF8	20	KSRSQ S SSRSRSR
39848	Q9NYF8	38	KRYSSR S RSRTYS
39849	Q9NYF8	112	RRGRSR S RSRKRR
39850	Q9NYF8	114	GRSR S RSRSPKRRSV
39851	Q9NYF8	144	SPRSSSS R SSSPY
39852	Q9NYF8	153	SSPY S KS P VSKRR
39853	Q9NYF8	156	YSKSPV S KRRGSQ
39854	Q9NYF8	217	DIWPGL S AYDNSP
39855	Q9NYF8	237	PIATPP S QSSSCS
39856	Q9NYF8	241	PPSQSS S CSDAPM
39857	Q9NYF8	274	SPERSG S GSVGNG
39858	Q9NYF8	276	ERSGSG S VGNGSS
39859	Q9NYF8	414	YRQFRK S VLADQG

39860	Q9NYF8	427	KSFATASHRNTEE
39861	Q9NYF8	443	KYKSKVSLKGNR
39862	Q9NYF8	485	KEEDKNSERITVK
39863	Q9NYF8	540	RIKMIASDSHRPE
39864	Q9NYF8	559	PVPLDDSNRPASL
39865	Q9NYF8	564	DSNRPASLTKDRL
39866	Q9NYF8	600	LPQASKSTSESFI
39867	Q9NYF8	604	SKSTSESFIQHIV
39868	Q9NYF8	623	KEQYFKSAAMTLN
39869	Q9NYF8	634	LNERFTSYQKATE
39870	Q9NYF8	643	KATEEHSTRQKSP
39871	Q9NYF8	711	SKERGDSKGSRES
39872	Q9NYF8	753	DHSRSSSSSASPSS
39873	Q9NYF8	757	SSSSSASPSSPSSRE
39874	Q9NYF8	759	SSSASPSSPSSRE
39875	Q9NYF8	769	SREEEKSKKERE
39876	Q9NYF8	884	FKKSGSSPKWTHD
39877	Q9NYL2	37	YRAKWI\$QDKEVA
39878	Q9NYL2	61	EILSVLSHRNIIQ
39879	Q9NYL2	136	IHRDLKS\$RNVVIA
39880	Q9NYL2	234	PSSCPRSFAELLH
39881	Q9NYL2	252	DAKKRPSFKQIIS
39882	Q9NYL2	258	SFKQIISILESMS
39883	Q9NYL2	264	SILESMSNDTSLP
39884	Q9NYL2	268	SMSNDTSLPDCKN
39885	Q9NYL2	326	QKLTEQSNTPLLP
39886	Q9NYL2	333	NTPLLPSFEIGAW
39887	Q9NYL2	357	LVRKGDS\$AEMSV
39888	Q9NYL2	366	EMSVYASLFKENN
39889	Q9NYL2	402	HIIHFKAIEKLT
39890	Q9NYL2	424	PPLIKDSGGEPEE
39891	Q9NYL2	518	CTVTYESDVRTPK
39892	Q9NYL2	567	PGSRSDSSADCQW
39893	Q9NYL2	610	HFDGQDSYAAAVR
39894	Q9NYL2	635	PVNQSRSSSPTQY
39895	Q9NYL2	636	VNQSRSSSPTQYG
39896	Q9NYL2	648	GLTKNFSSLHLNS
39897	Q9NYL2	649	LTKNFSSLHLNSR
39898	Q9NYL2	654	SSLHLNSRDGF
39899	Q9NYL2	661	RDSGFSSGNTDTS
39900	Q9NYL2	668	GNTDTSSERGRYS
39901	Q9NYL2	674	SERGRYSDRSRNK
39902	Q9NYL2	685	NKYGRGSISLNSS
39903	Q9NYL2	700	GRYSGKSQHSTPS
39904	Q9NYL2	706	SQHSTPSRGRYPG
39905	Q9NYL2	718	GKFYRVSQSALNP
39906	Q9NYL2	764	EEDSKVSEGGWTK
39907	Q9NYL2	781	KKPHRPSPAKTNK
39908	Q9NYV4	25	GTLQPSSGGSSN
39909	Q9NYV4	50	RHKSKH\$KDMGLV
39910	Q9NYV4	84	SDSDTFSDDMAFK
39911	Q9NYV4	133	QTEKEKSQEVS
39912	Q9NYV4	151	DRISGSSKRSNEE
39913	Q9NYV4	200	HKDRSKSHRKRET
39914	Q9NYV4	228	SPHRKWSDSSKQD
39915	Q9NYV4	230	HRKWSDSSKQDDS
39916	Q9NYV4	236	SSKQDDSPSGASY
39917	Q9NYV4	310	PYSRRRS\$SYERS

39918	Q9NYV4	325	YSGRSPSPYGRRR
39919	Q9NYV4	332	PYGRRRSSSPFLS
39920	Q9NYV4	349	SRSPLPSRKSMKS
39921	Q9NYV4	366	PAYSRHSSHSKK
39922	Q9NYV4	440	SVEAKDGSLESKK
39923	Q9NYV4	444	KDSGLESKKLPRS
39924	Q9NYV4	456	SVKLEKSAPTEL
39925	Q9NYV4	601	VSSQANSQPPVQV
39926	Q9NYV4	614	SVKTQVSVTAAIP
39927	Q9NYV4	651	PKETLPSKPVKKE
39928	Q9NYV4	826	LMGLLESGLVHFS
39929	Q9NYV4	921	PAIDVWSCGCILG
39930	Q9NYV4	949	AQLELISRLCGSP
39931	Q9NYV4	954	ISRLCGSPCPAVW
39932	Q9NYV4	991	EFSFIPSAA LDLL
39933	Q9NYV4	1026	LKDVELSKMAPPD
39934	Q9NYV4	1142	QLLNIHSNPEMQQ
39935	Q9NYV4	1165	ALTEATSQQQDSE
39936	Q9NYV4	1170	TSQQQDSETMAPE
39937	Q9NYV4	1306	ALLQLLSQPEAEP
39938	Q9NYV4	1349	GPETGFSAIDTDE
39939	Q9NYV4	1427	LKAEGSSNSVVHA
39940	Q9NYV4	1466	GGPTQSSAYGKLY
39941	Q9NYV6	18	GDAAASSSAVKKL
39942	Q9NYV6	19	DAAASSSAVKKLG
39943	Q9NYV6	27	VKKLGASRTGISN
39944	Q9NYV6	32	ASRTGISMNMRALE
39945	Q9NYV6	44	ENDFFNSPPRKT
39946	Q9NYV6	98	LLEFRSSIMYLTK
39947	Q9NYV6	122	LPWLNRSQTVVEE
39948	Q9NYV6	138	FLGNLVSAQTVFL
39949	Q9NYV6	153	CLSMIAHFVPPR
39950	Q9NYV6	170	EGDVDSDSDDED
39951	Q9NYV6	218	FPFVRKSER TLEC
39952	Q9NYV6	233	HNLLRISVYFPTL
39953	Q9NYV6	279	TCGGTDSTEGLFN
39954	Q9NYV6	323	LMSLVLSYMKDVC
39955	Q9NYV6	361	LLPTHASCHVQFF
39956	Q9NYV6	373	FMFYLCFSKLGFA
39957	Q9NYV6	394	KKLQDPSNPAILR
39958	Q9NYV6	409	AGNYIGSFALARAK
39959	Q9NYV6	442	YLNNQDSGTKAFC
39960	Q9NYV6	476	RHKQLLSGNLKEG
39961	Q9NYV6	488	GLQYLQSLNFERI
39962	Q9NYV6	497	FERIVMSQLNPLK
39963	Q9NYV6	508	LKICLPSVNVFFA
39964	Q9NYV6	542	MLPVIRSTAGGDS
39965	Q9NYV6	548	STAGGDSVQICTN
39966	Q9NYV6	570	PCVLKRSKKFIDP
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39968	Q9NYV6	625	VIGITPSSFDTHF
39969	Q9NYV6	626	IGITPSSFDTHFR
39970	Q9NYV6	633	FDTHFRSPSSSVG
39971	Q9NYV6	635	THFRSPSSVGSP
39972	Q9NYV6	636	HFRSPSSVGSP
39973	Q9NYV6	640	PSSSVGSPPVLYM
39974	Q9NZ53	15	RLPPLLSPLLLL
39975	Q9NZ53	34	GACVAGSDEPGPE

39976	Q9NZ53	44	GPEGLT S TSLLDL
39977	Q9NZ53	46	EGLTSTS L LDLLL
39978	Q9NZ53	65	LDSEEP S ETMGLG
39979	Q9NZ53	79	GLGAPG S GFPSEE
39980	Q9NZ53	108	EEELNDS S LDLGP
39981	Q9NZ53	109	EELND S LDLGPT
39982	Q9NZ53	129	LTEKAG S IEDTSQ
39983	Q9NZ53	207	PQVRDF S LTSSSQ
39984	Q9NZ53	210	RDFSLT S SSQTPG
39985	Q9NZ53	211	DFSLT S SQTPGA
39986	Q9NZ53	225	KSRHED S GDQASS
39987	Q9NZ53	230	DSGDQ A SGVEVE
39988	Q9NZ53	231	SGDQ A SGVEVES
39989	Q9NZ53	238	GVEVESSMGPSLL
39990	Q9NZ53	260	TPGDQ D STSQEAE
39991	Q9NZ53	262	GDQDSTS Q EAET
39992	Q9NZ53	286	EAPQE A SEEATAG
39993	Q9NZ53	308	EVPALP S FPQTTA
39994	Q9NZ53	316	PQTTAP S GAEHPD
39995	Q9NZ53	328	DEDPLG S RTSASS
39996	Q9NZ53	333	GSRTSAS S PLAPG
39997	Q9NZ53	369	QAAEAQ S RIPWDS
39998	Q9NZ53	426	VLPRHG S GHGAW
39999	Q9NZ53	435	HGAWH I SLSKPSE
40000	Q9NZ53	464	PTQDV L SMLGDIR
40001	Q9NZ53	492	SCQARAS Q VRSDY
40002	Q9NZ53	536	PKLKHV S HGEELR
40003	Q9NZ53	558	PTLDV A SDSQSEM
40004	Q9NZ53	562	VASDSQ S EMQEKH
40005	Q9NZ53	570	MQEKH P SLNGGGA
40006	Q9NZ53	596	KRDPED S DVFEED
40007	Q9NZC7	14	GLDDTD S EDELPP
40008	Q9NZC7	110	RQRYDG S TTAMEI
40009	Q9NZC7	134	VVTGAN S GIGFET
40010	Q9NZC7	143	GFETAK S FALHGA
40011	Q9NZC7	162	RNMARAS E AVSRI
40012	Q9NZC7	166	RASEAV S RILEEW
40013	Q9NZC7	189	DLALLR S VQHFAE
40014	Q9NZC7	219	TFALPW S LKDGL
40015	Q9NZC7	250	QDVLCR S APARVI
40016	Q9NZC7	259	ARVIVV S SESHRF
40017	Q9NZC7	260	RVIVVS S SESHRFT
40018	Q9NZC7	262	IVVSSE S HRFTDI
40019	Q9NZC7	271	FTDIND S LGKDF
40020	Q9NZC7	278	LGKLD F SRLSPTK
40021	Q9NZC7	281	LDFSR L SPTKNDY
40022	Q9NZC7	296	MLAYNR S KLCNIL
40023	Q9NZC7	304	LCNILF S NELHRR
40024	Q9NZC7	312	ELHRR L SPRGVTS
40025	Q9NZC7	318	SPRGV T SN TNAVHPG
40026	Q9NZC7	329	PGNM MMY S NIHRSW
40027	Q9NZC7	334	YSNIHR S WWVYTL
40028	Q9NZC7	351	ARPFTK S MQQQGAA
40029	Q9NZC7	385	CCRCMP S PEAQSE
40030	Q9NZC7	390	PSPEAQ S SEETART
40031	Q9NZC7	401	RTLWAL S ERLIQE
40032	Q9NZJ0	27	SQYPLQ S LLTG YQ
40033	Q9NZJ0	83	RLYNT E SQSFRKK

40034	Q9NZJ0	198	SDKQT P S K PKKKQ
40035	Q9NZJ0	206	PKKKQ N S K GLAPS
40036	Q9NZJ0	259	RQEPIAS K SKFLYP
40037	Q9NZJ0	267	SFLY P G S STRKLG
40038	Q9NZJ0	275	TRKLGY S SLILDS
40039	Q9NZJ0	276	RKLGY S LILDST
40040	Q9NZJ0	317	FNGHQ N STFYVKS
40041	Q9NZJ0	334	DDQFLV S GSSDEA
40042	Q9NZJ0	404	PGGD K L S TVGWAS
40043	Q9NZJ0	410	STVGWAS Q KKKES
40044	Q9NZJ0	444	CNPSNS S PSSAAC
40045	Q9NZJ0	446	PSNSSP S SAACAP
40046	Q9NZJ0	447	SNSSP S AAACAPS
40047	Q9NZJ0	453	SAACAP S CAGDLP
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40049	Q9NZJ0	478	SPAKAR S PINRRG
40050	Q9NZJ0	487	NRRGSV S SVSPKP
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40052	Q9NZJ0	496	SPKPP S FKMSIR
40053	Q9NZJ0	510	WVTRTP S SSPPIT
40054	Q9NZJ0	526	SETKIM S PRKALI
40055	Q9NZJ0	557	VKRLLD S SCLESV
40056	Q9NZJ0	599	GNQEDL S KDSLGP
40057	Q9NZJ0	630	PISP Y A S ESC G TL
40058	Q9NZJ0	632	SPYASE S CGTLPL
40059	Q9NZJ0	647	RPCGE G SEMVGKE
40060	Q9NZJ0	676	RKAENP S PRSPSS
40061	Q9NZJ0	681	PSPRSP S SQTPNS
40062	Q9NZJ0	682	SPRS P SQTPNSR
40063	Q9NZJ0	687	SSQTPN S RRQSGK
40064	Q9NZJ0	705	VTITP S MRKICT
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40067	Q9NZJ5	180	VPFTVE S LLESSY
40068	Q9NZJ5	206	LTTYGL S AYSGKV
40069	Q9NZJ5	281	RAGFIESTFKPNE
40070	Q9NZJ5	313	DIVIKV S VADWKV
40071	Q9NZJ5	363	DDTSYT S NNDDVLE
40072	Q9NZJ5	385	RGATE N SVYLGMY
40073	Q9NZJ5	399	GQLYLQ S SVRISE
40074	Q9NZJ5	404	QSSVR I SEKF P SS
40075	Q9NZJ5	460	LSNDKFSHEEYSN
40076	Q9NZJ5	555	HRQRKE S ETQCQT
40077	Q9NZJ5	587	KNSGYI S RYLTDF
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40079	Q9NZJ5	694	SPMDAP S VKIRRM
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40081	Q9NZJ5	721	SPQR S RSFSVGIS
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40084	Q9NZJ5	754	HEDISE S VDAAYN
40085	Q9NZJ5	793	LCPSEAS P YVR S R
40086	Q9NZJ5	798	ASPYV R S R ERTSS
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40090	Q9NZJ5	864	PRPTTLSLDLTKN
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40094	Q9NZJ5	1022	ELLYPF S TQMERV
40095	Q9NZJ5	1059	MVQDMLSPSPMER
40096	Q9NZJ5	1061	QDMLSP S PMERPE
40097	Q9NZJ5	1092	TVLRQR S RSLSSS
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40107	Q9NZN3	197	AHKLDI S DEFSEV
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40130	Q9NZU7	52	PPPGHASAGPAAM
40131	Q9NZU7	59	AGPAAMS H IAKS
40132	Q9NZU7	60	GPAAMSS H IAKSE
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40134	Q9NZU7	67	HIAKSE S KTSLK
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40139	Q9NZU7	104	SRRLPG S CPATPQ
40140	Q9NZU7	111	CPATPQ S SGDPSS
40141	Q9NZU7	112	PATPQ S SGDPSSR
40142	Q9NZU7	116	QSSGDPS S RRLPLC
40143	Q9NZU7	117	SSGDPS S RRPLCR
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40158	Q9P013	24	KGEDLSQLSKQY
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40188	Q9P0L2	593	ASPSAHSISTATP
40189	Q9P0L2	595	PSAHSISSTATPDR
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40197	Q9P0L2	666	FVRRDPS E GEASG
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40203	Q9P126	21	RKPALISVGASS
40204	Q9P126	24	ALISVG S ASSSWW
40205	Q9P126	26	ISVGSAS S WWWRV
40206	Q9P126	27	SVGSASS S WWRV
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40213	Q9P126	162	IRWVGLSRQKSNE
40214	Q9P126	166	GLSRQKSNEVWKW
40215	Q9P126	176	WKWEDGSVISENM
40216	Q9P126	179	EDGSVISENMFEF
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40219	Q9P1Z0	86	TTTAASSSSSSSS
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40223	Q9P1Z0	104	SSSASSSSSSSS
40224	Q9P1Z0	105	SSASSSSSSSSSS
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40236	Q9P1Z0	454	PVAMPASPPGPP
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40238	Q9P1Z0	489	VHGGSSSGGGGSG
40239	Q9P1Z0	593	GAGRGPSQLQAPP
40240	Q9P1Z0	636	GEEMEESEDEEEE
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40242	Q9P1Z0	754	HGGGSHSSRAGRR
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40244	Q9P1Z0	827	EMQVSSSGEAGGG
40245	Q9P1Z0	828	MQVSSSSGEAGGG
40246	Q9P1Z0	835	GEAGGGSTAEEA
40247	Q9P1Z0	842	TAAEEASETASLQ
40248	Q9P1Z0	863	EPPVVASGGSYVY
40249	Q9P1Z0	939	AYPYNFSNLAAALP
40250	Q9P2R3	52	SSESFISRLLAIV
40251	Q9P2R3	90	FVLAARSDSWSLA
40252	Q9P2R3	92	LAARSDSWSLANL
40253	Q9P2R3	94	ARSDSWSLANLSS
40254	Q9P2R3	160	CEKGVMSLVNVRN
40255	Q9P2R3	192	CAEIIIASHWDDL
40256	Q9P2R3	203	LRKEDFSMSAQL
40257	Q9P2R3	216	LYKMIKSKEYPL
40258	Q9P2R3	243	YLIEMDSQLPGKL
40259	Q9P2R3	288	VDMVDKSGWSSLH
40260	Q9P2R3	291	VDKSGWSLLHKGI
40261	Q9P2R3	335	LVALYSSKKHSAD
40262	Q9P2R3	339	YSSKKHSADMSE
40263	Q9P2R3	344	HSADVMSEMAQIA
40264	Q9P2R3	384	GNEYVFSQLQCK
40265	Q9P2R3	448	RLIQRGSHTDAPD

40266	Q9P2R3	533	LPKEAA\$LTSLAD
40267	Q9P2R3	536	EAASLT\$LADSVH
40268	Q9P2R3	560	NHPDVVS\$VILEQK
40269	Q9P2R3	637	QRQDSKS\$ALFLL
40270	Q9P2R3	747	ACFLIRS\$GCDVNS
40271	Q9P2R3	812	PIHVAIS\$SQHGVI
40272	Q9P2R3	824	IIQLLV\$HPDIHL
40273	Q9P2R3	852	TFKNNKS\$AEAILK
40274	Q9P2R3	882	HVAVQNS\$DIESVL
40275	Q9P2R3	886	QNSDIES\$VLFLIS
40276	Q9P2R3	892	SVLFLIS\$VHANVN
40277	Q9P2R3	905	SRVQDASKLTPLH
40278	Q9P2R3	956	DLPTIC\$VLLENG
40279	Q9P2R3	1045	KPDADGS\$TVLLA
40280	Q9P2R3	1066	CRAIVRS\$GARLGV
40281	Q9P2R3	1099	RLLDMLS\$KEPPWC
40282	Q9P2R3	1108	PPWCDGS\$CYECT
40283	Q9P2Y5	26	AALPPGS\$AARALH
40284	Q9P2Y5	72	FTLHLC\$TEKIYK
40285	Q9P2Y5	83	YKEFYR\$SEVIKNS
40286	Q9P2Y5	109	PDRLDTS\$VSCFVV
40287	Q9P2Y5	111	RLDTSV\$CFVVKI
40288	Q9P2Y5	172	FEHKGY\$NAQKTI
40289	Q9P2Y5	195	NSYDVF\$LLRLHR
40290	Q9P2Y5	228	EKLRLT\$TSNELK
40291	Q9P2Y5	277	ALQDKGS\$AFSAEH
40292	Q9P2Y5	280	DKGSAF\$AEHLKL
40293	Q9P2Y5	292	LQLQKES\$LNELRK
40294	Q9P2Y5	323	RCRQLLS\$ELSYIY
40295	Q9P2Y5	326	QLLSELS\$YIYPID
40296	Q9P2Y5	349	GVKLPN\$EDFQAK
40297	Q9P2Y5	359	QAKDDGS\$IAVALG
40298	Q9P2Y5	372	YTAHLV\$MISFFL
40299	Q9P2Y5	375	HLVSMIS\$FFLQVP
40300	Q9P2Y5	393	IHKGSR\$TIKDNI
40301	Q9P2Y5	472	CDRHHTS\$AI\$PVP
40302	Q9P2Y5	473	DRHHTSS\$AI\$PVPK
40303	Q9P2Y5	482	PVPKRQS\$IFGGA
40304	Q9P2Y5	509	HRKRAS\$ENERLQ
40305	Q9P2Y5	525	PPPSYNS\$ALAQPV
40306	Q9P2Y5	536	PVTTVPS\$MGETER
40307	Q9P2Y5	546	TERKITS\$LSSSLD
40308	Q9P2Y5	548	RKITSLS\$SSLDTS
40309	Q9P2Y5	554	SSSLDT\$LD\$FSKE
40310	Q9P2Y5	603	NGTLLP\$EQAGSA
40311	Q9P2Y5	610	EQAGSAS\$VQLPGE
40312	Q9P2Y5	677	GEFEF\$RRIYAL
40313	Q9P2Y5	689	LNENVSS\$FRRPRR
40314	Q9UBC9	25	QQVKQPS\$QPPPQE
40315	Q9UBC9	43	TKEPCHS\$KVPQPG
40316	Q9UBC9	114	KVPEPGS\$IKVPDQ
40317	Q9UBC9	155	LPEPCPS\$TVTPGP
40318	Q9UBF6	15	ETCALASH\$HGSSSG
40319	Q9UBF6	17	CALASH\$GSSGSK
40320	Q9UBF6	19	LASHSG\$SGSKSG
40321	Q9UBF6	20	ASHSGSS\$GSKSGG
40322	Q9UBF6	22	HSGSSGSK\$GGDK
40323	Q9UBF6	24	GSSGSK\$GGDKMF

40324	Q9UBF6	31	GGDKMFSLKKWNA
40325	Q9UBF6	42	NAVAMWSWDVECD
40326	Q9UBF6	83	WGECNHSFHNCCM
40327	Q9UBF6	90	FHNCCMSLWVKQN
40328	Q9UBF8	19	PTSEPTS GPPGNN
40329	Q9UBF8	28	PGNNNGGSLLSVIT
40330	Q9UBF8	85	NGDGVDSEIRCLD
40331	Q9UBF8	146	DISMAISYLYNSK
40332	Q9UBF8	151	ISYLYNSKEPGVQ
40333	Q9UBF8	226	SSDMHISTQRHSR
40334	Q9UBF8	231	ISTQRHSSRGTKLR
40335	Q9UBF8	256	RKRELPSLSPAPD
40336	Q9UBF8	275	KRTHQRSKSDATA
40337	Q9UBF8	282	KSDATASISLSSN
40338	Q9UBF8	286	TASISLSSNLKRT
40339	Q9UBF8	308	DEELSSSTESIDN
40340	Q9UBF8	311	LSSSTESIDNSFS
40341	Q9UBF8	318	IDNSFSSPVRLAP
40342	Q9UBF8	331	EREFIKSLMAIGK
40343	Q9UBF8	354	KTQRLISELSLLN
40344	Q9UBF8	357	RLISELSLLNHKL
40345	Q9UBF8	413	ENFDTTSVPARIP
40346	Q9UBF8	445	HEQRAGSFSTVPN
40347	Q9UBF8	447	QRAGSFSTVPNYD
40348	Q9UBF8	478	PEVHTNSCDNISQ
40349	Q9UBF8	489	SQFSVDSITSQES
40350	Q9UBF8	495	SITSQESKEPVFI
40351	Q9UBF8	548	RRIREGSPYGHLP
40352	Q9UBF8	560	PNWRLLSVIVKCG
40353	Q9UBF8	629	KKQSQLSLLDYFL
40354	Q9UBF8	648	TTEAFLSAQRNFV
40355	Q9UBF8	695	DFGFILSSSPRNL
40356	Q9UBF8	758	EIMQQGSQLPCFH
40357	Q9UBF8	766	LPCFHGSSTIRNL
40358	Q9UBF8	779	KERFHMSMTEEQL
40359	Q9UBK5	26	TPGERSSLPAFY
40360	Q9UBK5	27	TPGERSSLPAFYP
40361	Q9UBK5	36	AFYPGTSGCSGCG
40362	Q9UBK5	38	YPGTSGCSGCGS
40363	Q9UBK5	40	GTSGSCSGCGSLS
40364	Q9UBK5	44	SCSGCGSLSLPLL
40365	Q9UBK5	46	SGCGSLSLPLL
40366	Q9UBK5	61	AADAVASLLIVGA
40367	Q9UBK5	77	CARPRRS PAQEDG
40368	Q9UBL3	56	APTVEPSSGEAEG
40369	Q9UBL3	57	PTVEPSSGEAEGG
40370	Q9UBL3	71	ANLVDVSGGLETE
40371	Q9UBL3	79	GLETESSNGKDTL
40372	Q9UBL3	92	EGAGDTSEVMDTQ
40373	Q9UBL3	101	MDTQAGSVDEENG
40374	Q9UBL3	134	TFGIDTSCLPFM
40375	Q9UBL3	135	FGIDTSSCLPFMT
40376	Q9UBL3	144	PFMTNYSFHCV
40377	Q9UBL3	171	LKEMCLSALANLT
40378	Q9UBL3	180	ANLTWQSRTQDEH
40379	Q9UBL3	192	HPKTMFSKDKDII
40380	Q9UBL3	262	LLDQDLSNIGPAY
40381	Q9UBL3	274	YDNQKQS SAVSTS

40382	Q9UBL3	278	KQSSAVS <small>TSGNLN</small>
40383	Q9UBL3	291	GGIAAGS <small>SGKGRG</small>
40384	Q9UBL3	316	TTKKARS <small>DPLFSA</small>
40385	Q9UBL3	321	RSDPLFS <small>AQRLLPP</small>
40386	Q9UBL3	395	APQLKIS <small>DDRLTV</small>
40387	Q9UBL3	408	VGEKGYS <small>MVRASH</small>
40388	Q9UBL3	413	YSMVRAS <small>HGVRKG</small>
40389	Q9UBL3	441	AARLGWS <small>QPLGNL</small>
40390	Q9UBL3	457	LGYDKFS <small>YSWRSK</small>
40391	Q9UBL3	459	YDKFSYS <small>WRSKKG</small>
40392	Q9UBL3	471	GTKFHQS <small>IGKHYS</small>
40393	Q9UBL3	477	SIGKHYSS <small>SGYGQG</small>
40394	Q9UBL3	478	IGKHYSSG <small>YGQGD</small>
40395	Q9UBL3	501	DTETAKS <small>LPDTYK</small>
40396	Q9UBL3	516	ALIKFKS <small>YLYFEE</small>
40397	Q9UBL3	539	LKQTPHS <small>EIIIFYK</small>
40398	Q9UBL3	567	VYFPAIS <small>LYKSCT</small>
40399	Q9UBL3	575	YKSCTVS <small>INFGPC</small>
40400	Q9UBL3	595	LTYRPMS <small>DMGWGA</small>
40401	Q9UBN4	32	ESELSPS <small>EKAYLN</small>
40402	Q9UBN4	47	EKGDYASV <small>KKSLE</small>
40403	Q9UBN4	91	LIELLSF <small>NVYVG</small>
40404	Q9UBN4	183	NCVECVS <small>SSDVDS</small>
40405	Q9UBN4	184	CVECVSS <small>SDVDSL</small>
40406	Q9UBN4	185	VECVSSS <small>DVDSL</small>
40407	Q9UBN4	193	VDSLRSRSLNI
40408	Q9UBN4	213	SLIALSSEDPFLT
40409	Q9UBN4	239	VENEFKSEYEELS
40410	Q9UBN4	261	LLDQTRS <small>SRELEI</small>
40411	Q9UBN4	282	SLIEEQS <small>GNDLAR</small>
40412	Q9UBN4	353	YLIAPKS <small>PLGLFI</small>
40413	Q9UBN4	372	FICHTASYLTFLF
40414	Q9UBN4	384	FLLLLASQHIDRS
40415	Q9UBN4	460	VAFVKYSALNP <small>RE</small>
40416	Q9UBN4	508	LGPLQISLGRM <small>LL</small>
40417	Q9UBN4	562	KQNNAFSTLFETL
40418	Q9UBN4	608	GTYNVISLVVLLN
40419	Q9UBN4	623	IAMMNNSYQLIAD
40420	Q9UBN4	645	RTKLWMSYFEEGG
40421	Q9UBN4	662	PFNVISSPKSLWY
40422	Q9UBN4	665	VIPSPKS <small>LWYLIK</small>
40423	Q9UBN4	688	MRRKPESFGTIGR
40424	Q9UBN4	745	LKQDISSFRFEVL
40425	Q9UBN4	760	LRGSKLSTIQSAN
40426	Q9UBN4	774	SKESSNSADSDEK
40427	Q9UBN4	787	SDSEGNSSDKKKN
40428	Q9UBN4	795	DKKKNFSLFDLTT
40429	Q9UBN4	807	TLIHPRSAAIASE
40430	Q9UBN4	818	SERHNISNGSALV
40431	Q9UBN4	888	RNIQLESRGLASR
40432	Q9UBN4	903	LSIPGLSEQCVLV
40433	Q9UBN4	932	RVCDFKSEKVVVE
40434	Q9UBP6	47	PEEMDWSELYPEF
40435	Q9UBP6	62	PLTNQSHDDPKD
40436	Q9UBP6	95	GLLVELSPLFPDT
40437	Q9UBP6	113	EIRVKVS <small>DYVQDR</small>
40438	Q9UBP6	139	NIACLRSNAMKHL
40439	Q9UBP6	177	HKWRIISPTLLAE

40440	Q9UBP6	226	VPLEDLSED P VVG
40441	Q9UBP6	237	VGHLGT S TEEGKK
40442	Q9UBQ5	137	ITGFED S VRKFIC
40443	Q9UBQ5	166	EMLGD L SDSQLKV
40444	Q9UBQ5	168	LGDLSDSQLKVWM
40445	Q9UBQ5	175	QLKVWMS K YGWSA
40446	Q9UBQ5	180	MSKYGWS A DESGQ
40447	Q9UBQ5	184	GWSADE S GQIFIC
40448	Q9UBQ5	191	GQIFICS Q EESIK
40449	Q9UBQ5	195	ICSQEES I KPKNI
40450	Q9UBQ5	209	EKIDFD S VSSIMA
40451	Q9UBR4	53	LDRHWHS K CLKCS
40452	Q9UBR4	59	SKCLK C SDCHTPL
40453	Q9UBR4	75	CFSRGE S VYCKDD
40454	Q9UBR4	137	FYLMED S RLVCKA
40455	Q9UBR4	174	QLETLK S AYNTSP
40456	Q9UBR4	179	KSAYNT S PKPARH
40457	Q9UBR4	191	HVREQ L SSETGLD
40458	Q9UBR4	192	VREQ L SSETGLDM
40459	Q9UBR4	240	SRGGSK S DKDSVQ
40460	Q9UBR4	244	SKSDKD S VQEGQD
40461	Q9UBR4	251	VQEGQ D DAEVSF
40462	Q9UBR4	256	DSDAEVS F PDEPS
40463	Q9UBR4	262	SFPDEPS S LAEMGP
40464	Q9UBR4	275	ANGLYGS L GEPTQ
40465	Q9UBR4	287	QALGRPS G ALGNF
40466	Q9UBR4	294	GALGNF S LEHGGL
40467	Q9UBR4	313	RELRP G SPYGVPP
40468	Q9UBR4	320	PYGVPPS S PAAPQS
40469	Q9UBR4	326	SPAAPQS L PGPQP
40470	Q9UBR4	335	GPQPLL S SLVYPD
40471	Q9UBR4	336	PQPLL S SLVYPDT
40472	Q9UBR4	343	LVYPDT S LGTVPS
40473	Q9UBR4	349	SLGLV P SGAPGGP
40474	Q9UBR4	367	LAGNGP S SDLSTG
40475	Q9UBR4	368	AGNGP S SDLSTGS
40476	Q9UBR4	371	GPSSD L STGSSGG
40477	Q9UBR4	374	SDLSTG S SGGYPD
40478	Q9UBR4	375	DLSTG S GGYPDF
40479	Q9UBR4	384	YPDFP A S P ASWLD
40480	Q9UBR4	387	FPASP A SWLDEV
40481	Q9UBW8	21	FLLLA K SAKGAA
40482	Q9UBW8	58	VRELA E SDFASTF
40483	Q9UBW8	62	AESDF A STFRLLT
40484	Q9UBW8	100	NKLRHLS V VTLAA
40485	Q9UBW8	144	ADVLRG S LDQRNQ
40486	Q9UBW8	157	RLEV D YSIGRDIQ
40487	Q9UBW8	168	IQRQDL S AIARTL
40488	Q9UBW8	186	GCEVV L SGIEEQV
40489	Q9UBW8	193	GIEEQ V S R ANQHK
40490	Q9UBW8	211	LKQQ I ESEVANLK
40491	Q9UBW8	232	AAAAT S QDPEQH
40492	Q9UBW8	255	TNQRQ P SKKASKG
40493	Q9UBW8	259	QPSKK A KGKGLR
40494	Q9UBW8	267	GKGLRG S AKIWSK
40495	Q9UD71	12	RKKIQ F SVPAPP
40496	Q9UD71	18	SVPA P PSQLDPRQ
40497	Q9UD71	42	AMLFR L SEHSSPE

40498	Q9UD71	45	FRLSEHSPEEEA
40499	Q9UD71	46	RLSEHSSPEEEAS
40500	Q9UD71	52	SPEEEASPHQRAS
40501	Q9UD71	58	SPHQRA\$GEGHHL
40502	Q9UD71	66	EGHHLKS\$KRPNPC
40503	Q9UD71	78	CAYTPPSLKAVQR
40504	Q9UD71	88	VQRIAESHLQSIS
40505	Q9UD71	92	AESHLQSISNLNE
40506	Q9UD71	94	SHLQSISNLNENQ
40507	Q9UD71	102	LNENQASEEDEL
40508	Q9UD71	137	EEEEEDSQAEVLK
40509	Q9UD71	148	LKVIRQSAGQKTT
40510	Q9UD71	172	PPPLDESERDGGS
40511	Q9UD71	178	SERDGGSEDQVED
40512	Q9UD71	188	VEDPALSEPGEEP
40513	Q9UER7	40	PGAEAPSSEPHG
40514	Q9UER7	50	PHGARGSSSSGGK
40515	Q9UER7	51	HGARGSSSSGGKK
40516	Q9UER7	52	GARGSSSSGGKKC
40517	Q9UER7	110	EFCNILSRVLSRA
40518	Q9UER7	118	VLSRARSRAKLY
40519	Q9UER7	138	TVLKAHSAKKLN
40520	Q9UER7	176	NAENTASQSPTR
40521	Q9UER7	184	SPRTRGSRRQIQR
40522	Q9UER7	366	RLRENRSLAMSRL
40523	Q9UER7	370	NRSLAMSRLDEVI
40524	Q9UER7	377	RLDEVI\$KYAMLQ
40525	Q9UER7	412	ADTPEASLDSGEG
40526	Q9UER7	415	PEASLDSGEGPSG
40527	Q9UER7	420	DSGEGPSGMASQG
40528	Q9UER7	424	GPSGMASQGCPA
40529	Q9UER7	429	ASQGCPSASRAET
40530	Q9UER7	461	EEEATDSEEEDL
40531	Q9UER7	499	DKSPMSSLQISNE
40532	Q9UER7	531	GRIVSPSLLSEEP
40533	Q9UER7	534	VSPSLLSEEPLAP
40534	Q9UER7	580	LPLDTPSSVETDI
40535	Q9UER7	587	SVETDISSSRKQS
40536	Q9UER7	588	VETDISSRKQSE
40537	Q9UER7	609	NGAGMVSSTSFGNG
40538	Q9UER7	612	GMVSSTSFGNGVS
40539	Q9UER7	625	PHNWGDSGPPCKK
40540	Q9UER7	641	EKKQTGSGPLGNS
40541	Q9UER7	682	LAPVADSSTRVDS
40542	Q9UER7	690	TRVDSPSHGLVTS
40543	Q9UER7	707	PSPARLSQTPHSQ
40544	Q9UEW8	71	LQEVIIGSGATAVV
40545	Q9UEW8	102	LEKCQTSMDELLK
40546	Q9UEW8	114	KEIQAMSQCSPN
40547	Q9UEW8	117	QAMSQCSHPNVVT
40548	Q9UEW8	127	VVTYYTSFVVKDE
40549	Q9UEW8	142	LVMKLLSGGSMLD
40550	Q9UEW8	145	KLLSGGSMLDIK
40551	Q9UEW8	205	LLGEDGSVQIADF
40552	Q9UEW8	214	IADFGVSAFLATG
40553	Q9UEW8	258	FKADMWSFGITAI
40554	Q9UEW8	315	SFRKLLSLCLQKD
40555	Q9UEW8	323	CLQKDPSKRPTAA

40556	Q9UEW8	393	DEMDEK S EEGKAA
40557	Q9UEW8	401	EGKA A FS Q EKSRR
40558	Q9UEW8	405	AFSQ E K S RRVKEE
40559	Q9UEW8	418	NPEIAV S ASTIPE
40560	Q9UEW8	420	EIAVS A STIPEQI
40561	Q9UEW8	428	IPEQIQ S LSVHDS
40562	Q9UEW8	430	EQIQSL S VHDSQG
40563	Q9UEW8	434	SLSVHDS Q GPPNA
40564	Q9UEW8	448	EDYREAS S CAVN
40565	Q9UEW8	449	DYREASS S CAVN
40566	Q9UEW8	461	VLRLRN S RKELND
40567	Q9UEW8	483	DTADGV S QELFSA
40568	Q9UEW8	488	VSQELF S AGLVDG
40569	Q9UEW8	523	LTFKL A S G C
40570	Q9UEW8	528	ASGCDG S EIPDEV
40571	Q9UG01	11	HLRTLL S PQDGAA
40572	Q9UG01	66	MKYGRK S YMVKGM
40573	Q9UG01	75	VKGMAF S PDSTKI
40574	Q9UG01	146	TKTNKSS T TYGTE
40575	Q9UG01	157	TESYVV S LTTNCS
40576	Q9UG01	163	SLTTNCS G KGILS
40577	Q9UG01	189	DEGSGES Q GKLVN
40578	Q9UG01	249	FTTAVSS P GGQSV
40579	Q9UG01	254	SSPGGQS V VLGSY
40580	Q9UG01	273	NWIPIRR S IWEAK
40581	Q9UG01	299	AWKRDG S RLCVGT
40582	Q9UG01	342	VIVKNL S SGTRVV
40583	Q9UG01	343	IVKNLSS G TRVVL
40584	Q9UG01	351	TRVVLK S HGYEV
40585	Q9UG01	374	YLVAHT S ETLLL
40586	Q9UG01	483	YNIGTV S HESRVD
40587	Q9UG01	486	GTVSH E S R DWLE
40588	Q9UG01	535	MQWVPG S DVLVAQ
40589	Q9UG01	545	VAQNRNS L CVWYN
40590	Q9UG01	671	EIADQVS R EYGGE
40591	Q9UG01	1097	AYLWAK S LGGEAA
40592	Q9UG01	1125	HAADNC S FEFAFE
40593	Q9UG01	1198	EAHD P DSVAEVLV
40594	Q9UG01	1243	KEAGLWS D ALRIC
40595	Q9UG01	1305	YLKVRD S GNGLA
40596	Q9UG01	1308	VRD S GNGLAEKC
40597	Q9UG01	1458	HLIREGS S AQALA
40598	Q9UG01	1520	CENLV K S E ANSP
40599	Q9UG01	1521	ENLV K S E ANSP
40600	Q9UG01	1525	KSSEANS P AHEEF
40601	Q9UG01	1561	TVAARL S VSLLRH
40602	Q9UG01	1653	DWVLTV S MQRLE
40603	Q9UG01	1673	RGAYEAS L VAAST
40604	Q9UGC7	27	PARRPL S SGPPL
40605	Q9UGC7	28	ARRPL S GSPPLE
40606	Q9UGC7	30	RPLSSG S PPLEEL
40607	Q9UGC7	53	LERQAG S EAHLKV
40608	Q9UGC7	121	ILLLV P SEETDEN
40609	Q9UGC7	147	EAMLFT S EIFDMY
40610	Q9UGC7	172	TLEYFP S ELGGLR
40611	Q9UGC7	181	GGLRH A SASIGGS
40612	Q9UGC7	183	LRHAS A SIGSEA
40613	Q9UGC7	187	SASIGG S EAYRHM

40614	Q9UGC7	217	QGRVHTS T MTVAI
40615	Q9UGC7	247	IDTKRAS G AGGQH
40616	Q9UGC7	259	HVNNTD S AVRIVH
40617	Q9UGC7	272	LPTGV V SECQQER
40618	Q9UGC7	279	ECQQERSQLKNKE
40619	Q9UGC7	297	LRAKLYSMHLEEE
40620	Q9UGC7	317	RKIQIGSKGRSEK
40621	Q9UGC7	321	IGSKGR S EKIRTY
40622	Q9UGC7	362	LDELVQS L KEYAD
40623	Q9UGC7	371	EYADYESLVEIIS
40624	Q9UGK3	19	PKGVLPSHYYESF
40625	Q9UGK3	24	PSHYYES F LEKKG
40626	Q9UGK3	53	TIYFYNSNRDFQH
40627	Q9UGK3	79	DEIPWGS S RDPGT
40628	Q9UGK3	80	EIPWGSS R DPGTH
40629	Q9UGK3	88	DPGTHFS L ILRDQ
40630	Q9UGK3	136	GHLYMM S EVLAKE
40631	Q9UGK3	152	RALET P SCFLKVS
40632	Q9UGK3	158	SCFLKVS R LEAQL
40633	Q9UGK3	180	NLLLRP S GDGADG
40634	Q9UGK3	188	DGADGV S VTTRQM
40635	Q9UGK3	222	DVEQPF S CTSLDA
40636	Q9UGK3	225	QPFSC T SLDAVN
40637	Q9UGK3	235	VVNYFV S HTKKAL
40638	Q9UGK3	272	NVWVAPSAPGPGP
40639	Q9UGK3	289	GGPKPL S PASSQD
40640	Q9UGK3	292	KPLSPAS S QDKLP
40641	Q9UGK3	293	PLSPASS S QDKLP
40642	Q9UGK3	329	ENQDV A SSWPVI
40643	Q9UGK3	330	NQDVASS S WPVIL
40644	Q9UGK3	331	QDVASS S WPVILK
40645	Q9UGK3	373	GRKLPV S SAQPLF
40646	Q9UGK3	374	RKLPVSSAQPLFP
40647	Q9UH99	20	GDDDGSSSSGGSS
40648	Q9UH99	21	DDDGS S SSGGSSV
40649	Q9UH99	30	GSSVAG S QSTLFK
40650	Q9UH99	63	PQLGP S DAHTSY
40651	Q9UH99	84	SWFPPRS S LEELH
40652	Q9UH99	113	TGGSESS R ASGLV
40653	Q9UH99	132	DFLGSS S GYSED
40654	Q9UH99	136	SSSGYS S EDDYVG
40655	Q9UH99	153	DQQSSSSRLRSAV
40656	Q9UH99	164	AVSRAGS L LMVA
40657	Q9UH99	208	VLTRRRF S SLKTFL
40658	Q9UH99	254	WWAAK D SRRPDEG
40659	Q9UH99	282	VMSRVHS L ERRLE
40660	Q9UH99	295	ALAAEF S SNWQKE
40661	Q9UH99	296	LAAEF S SNWQKEA
40662	Q9UH99	370	AEHQQD S EDLFKK
40663	Q9UH99	381	KKIVRAS Q ESEAR
40664	Q9UH99	393	RIQQLK S EWQSMT
40665	Q9UH99	455	VRDDV E SQFPWI
40666	Q9UH99	462	QFP AWI SQFLARG
40667	Q9UH99	540	QALQRY S EDRIGL
40668	Q9UH99	553	ADYALE S GGASVI
40669	Q9UH99	557	LESGG A SVISTR
40670	Q9UH99	560	GGASV I STRCSET
40671	Q9UH99	564	VISTR C SETYETK

40672	Q9UH99	575	TKTALLS L FGIPL
40673	Q9UH99	585	IPLWYHS Q SPRVI
40674	Q9UH99	587	LWYHS Q S P RVILQ
40675	Q9UH99	616	FAVVRLS A RIRPT
40676	Q9UH99	637	KALSPN S TISSAP
40677	Q9UH99	640	SPNST I S S APKDF
40678	Q9UHD1	20	FDPETNS D DACTY
40679	Q9UHD1	41	DALKGWS C CKRRT
40680	Q9UHD1	51	RRTTDFS D FLSIV
40681	Q9UHD1	55	DFSDFLS I VGCTK
40682	Q9UHD1	66	TKGRHN S EKPPEP
40683	Q9UHD1	110	EAIKRPS P DEPMT
40684	Q9UHD1	123	NLELKIS A SLKQA
40685	Q9UHD1	125	ELKISAS L KQALD
40686	Q9UHD1	136	LDKLKLS S GNEEN
40687	Q9UHD1	137	DKLKLSS G NEENK
40688	Q9UHD1	156	EIKIGTS C NGGC
40689	Q9UHD1	163	CKNGGC S KYQGL
40690	Q9UHD1	171	TYQGLE S LEEVCV
40691	Q9UHD1	180	EVCVYHS G VPIFH
40692	Q9UHD1	193	EGMKYWS C RRKT
40693	Q9UHD1	200	CCRRKT S DFNTFL
40694	Q9UHD1	244	GGEVTIS V YAKNS
40695	Q9UHD1	250	SVYAKNS L PELSR
40696	Q9UHD1	255	NSLPELS R VEANS
40697	Q9UHD1	261	SRVEANS T LLNVH
40698	Q9UHD1	291	VIDVKRS Y VTMTA
40699	Q9UHD1	314	EPMQWAS L ELPAA
40700	Q9UHD2	44	KVFNNIS F LRPWD
40701	Q9UHD2	93	EFCPCGS L YTGLE
40702	Q9UHD2	102	TVLEEPS N AYGLP
40703	Q9UHD2	110	AYGLPES E FLIVL
40704	Q9UHD2	151	IGEDGQS V YKLTD
40705	Q9UHD2	206	ATVDLWS I GVTFY
40706	Q9UHD2	218	YHAATGS L PFPRF
40707	Q9UHD2	243	IITGKPS G AISGV
40708	Q9UHD2	247	KPSGAIS G VQKAE
40709	Q9UHD2	266	SGDMPVS C SLSRG
40710	Q9UHD2	270	PVSCSL S RGLQVL
40711	Q9UHD2	315	MVIHVFS L QQMTA
40712	Q9UHD2	328	HKIYIHS Y NTATI
40713	Q9UHD2	347	KQTKE I SSNQELI
40714	Q9UHD2	348	QTKI I SSNQELIY
40715	Q9UHD2	383	NPIFVVS R EPLNT
40716	Q9UHD2	398	LIYEKIS L PKVHP
40717	Q9UHD2	413	DLDGDAS M AKAIT
40718	Q9UHD2	430	YACRIAS T LLLQY
40719	Q9UHD2	499	AELGEIS D IHTKL
40720	Q9UHD2	509	TKLLRLS S SSQGTI
40721	Q9UHD2	510	KLLRLSS S QGTIE
40722	Q9UHD2	518	QGTIET S LQDIDS
40723	Q9UHD2	524	SLQDIDS R LSPGG
40724	Q9UHD2	527	DIDSRL S PGGSLA
40725	Q9UHD2	632	LRKQLLS I TNQCF
40726	Q9UHD2	645	DIEEEV S KYQEYT
40727	Q9UHD2	666	QKMFTAS S GIKHT
40728	Q9UHD2	679	MTPIYPS S NTLVEM
40729	Q9UHD2	680	TPIYPSS N TLVEM

40730	Q9UHD2	716	IILERFGS LTMDGG
40731	Q9UHM6	18	SPTQEPM CMATPA
40732	Q9UHM6	27	ATPAPP SWWDSSQ
40733	Q9UHM6	31	PPSWWD SQSSIS
40734	Q9UHM6	32	PSWWDS SQSSI
40735	Q9UHM6	34	WWDSSQ SISSLG
40736	Q9UHM6	35	WDSSQ SISLGR
40737	Q9UHM6	37	SSQSSIS SLGRLP
40738	Q9UHM6	38	SQSSIS SLGRLP
40739	Q9UHM6	44	SLGRLPS ISPTAP
40740	Q9UHM6	98	IYTFCR SRSRSLRT P
40741	Q9UHM6	115	IINLA VSDFLMSF
40742	Q9UHM6	130	APVFFT SSLYKQW
40743	Q9UHM6	156	GALFGI SSMITLT
40744	Q9UHM6	157	ALFGISS SMITLT A
40745	Q9UHM6	183	ATFGVAS KRRAAF
40746	Q9UHM6	202	LYALAWS LPPFFG
40747	Q9UHM6	210	PPFFGW SAYVPEG
40748	Q9UHM6	220	PEGLLT SCSWDYM
40749	Q9UHM6	227	CSWDYMS FTP AVR
40750	Q9UHM6	281	CKGNGES SLWQRQR
40751	Q9UHM6	290	QRQRLQ SECKMAK
40752	Q9UHM6	313	LSWAPYS AVALVA
40753	Q9UHM6	332	VLTPYMS SVP AVI
40754	Q9UHM6	379	GVSRRH SRPYPSY
40755	Q9UHM6	384	HSRPYPS YRSTHR
40756	Q9UHM6	387	PYPSYRS THRSTL
40757	Q9UHM6	391	YRSTHR STLTSHT
40758	Q9UHM6	395	HRSTLT SHTSNL S
40759	Q9UHM6	398	TLTSHT SNL SWIS
40760	Q9UHM6	401	SHTSNL SWI SIRR
40761	Q9UHM6	404	SNL SWI SIRRQE
40762	Q9UHM6	416	ESLGSE SEVGWTH
40763	Q9UHM6	439	QQANGRS LYGQGL
40764	Q9UHP3	11	QNVLQQ SAAQKHQ
40765	Q9UHP3	186	FSAVIQS LFNL E
40766	Q9UHP3	204	LNYKPPS NAQDLP
40767	Q9UHP3	255	LKDAFKS NDSQQQ
40768	Q9UHP3	264	SQQQDV SEFT HKL
40769	Q9UHP3	357	SENSGKS GQEHW F
40770	Q9UHP3	375	VLTFEL SRFEFN Q
40771	Q9UHP3	438	RLERYL SYGSGPK
40772	Q9UHP3	460	YALEFAS SKPVCT
40773	Q9UHP3	461	ALEFA SSKPVCTS
40774	Q9UHP3	476	DDIDASS PPSGSI
40775	Q9UHP3	479	DASSPP SGSIPSQ
40776	Q9UHP3	481	SSPPSG SIPSQTL
40777	Q9UHP3	505	SELPST SPSSVAA
40778	Q9UHP3	507	LPSTSP SVA AIIS
40779	Q9UHP3	514	SVAAI SSRSV IHK
40780	Q9UHP3	546	ITEEEL SVLESCL
40781	Q9UHP3	550	ELSVLES CLHRWR
40782	Q9UHP3	571	DLQESI SRIHRT I
40783	Q9UHP3	582	TIELMY SDKSMIQ
40784	Q9UHP3	631	DIAVTK SWEELV
40785	Q9UHP3	648	GGYRN ASAYCLMY
40786	Q9UHP3	719	QEKL LASQKLRES
40787	Q9UHP3	765	QIITKA SHEHEDK

40788	Q9UHP3	772	HEHEDKS P E T V L Q
40789	Q9UHP3	835	FGDRNLS F DERCH
40790	Q9UHP3	892	ENFQRES S YIDSLL
40791	Q9UHP3	912	NNKELL S KGLYRG
40792	Q9UHP3	991	MRNRWCS Y LQEM
40793	Q9UHP3	1016	PKLLDCS M EIKSF
40794	Q9UHP3	1030	EPPKLPS S YTHEL
40795	Q9UHP3	1032	PKLPS S YTHELCE
40796	Q9UHP3	1046	FARIML S LSRTPA
40797	Q9UIA9	40	LVEFTNS P DCLSK
40798	Q9UIA9	55	LLLERG S SSYSQL
40799	Q9UIA9	57	LERGSS S SQLLA
40800	Q9UIA9	201	NLLKQAS G KNLNL
40801	Q9UIA9	260	SAFLDS S TLQLFF
40802	Q9UIA9	275	YHSIPPS F SPLVL
40803	Q9UIA9	293	IASVRR S LFNNAE
40804	Q9UIA9	305	ERAKFL S HLVDGV
40805	Q9UIA9	339	LLARLK S NYQLGE
40806	Q9UIA9	366	ANFTVTS L QHWEF
40807	Q9UIA9	376	WEFAPNS V HYLLS
40808	Q9UIA9	420	ITSRLES V HILR
40809	Q9UIA9	480	ELLQSAS A SPMDI
40810	Q9UIA9	509	VIGGRVS F ASTDE
40811	Q9UIA9	512	GRVS F ASTDEQDA
40812	Q9UIA9	590	DETMVL S VFIGKI
40813	Q9UIA9	621	QLLNDL S IGYSSV
40814	Q9UIA9	634	RKLVKL S AVQFML
40815	Q9UIA9	645	MLNNHT S EHFSFL
40816	Q9UIA9	657	LGINNQS N LTD M R
40817	Q9UIA9	706	AVAQMFS T NSFNE
40818	Q9UIA9	738	AFNAKTS F MMLFE
40819	Q9UIA9	833	LKLKG S ICFSML
40820	Q9UIA9	837	GISICF S MLKAAL
40821	Q9UIA9	878	LLSIPH S DLLDYP
40822	Q9UIA9	918	VIMYIL S SISEGL
40823	Q9UIA9	919	IMYILSS I SEGLT
40824	Q9UIA9	921	YILSS I SEGLTAL
40825	Q9UIA9	937	VCTGCC S CLDHIV
40826	Q9UIA9	953	FKQLSR S TKKRTT
40827	Q9UIA9	1000	DCRNQWS M SRPLL
40828	Q9UIA9	1026	RNSIVNS Q PPEKQ
40829	Q9UIA9	1072	RREVND S MKNSTY
40830	Q9UIB8	24	EAAGKD S EIFTVN
40831	Q9UIB8	36	NGILGE S VTFPVN
40832	Q9UIB8	56	KIIAWT S KTSVAY
40833	Q9UIB8	59	AWTSKTS V AYVTP
40834	Q9UIB8	68	YVTPGD S ETAPVV
40835	Q9UIB8	97	NYNLVI S DLRMED
40836	Q9UIB8	140	KPKITQS L MASVN
40837	Q9UIB8	144	TQSLMAS V NSTCN
40838	Q9UIB8	147	LMASVNS T CNVTL
40839	Q9UIB8	156	NVTLTC S VEKEEK
40840	Q9UIB8	169	NVTYNWS P LGEEG
40841	Q9UIB8	200	TAQNPVS N NSDSI
40842	Q9UIB8	203	NPVSNN S DSISAR
40843	Q9UIB8	205	VSNNSDS I SARQL
40844	Q9UIB8	207	NNSDS I SARQLCA
40845	Q9UIB8	228	HHTGLL S VLAMFF

40846	Q9UIB8	241	LLVLILS S VFLFR
40847	Q9UIB8	242	LVLILSS V FLFRL
40848	Q9UIB8	261	RIFPEG S CLNTFT
40849	Q9UIB8	274	KNPYAA S KKTIYT
40850	Q9UIB8	285	TYIIMAS R NTQPA
40851	Q9UIB8	293	NTQPAE S RIYDEI
40852	Q9UIB8	302	YDEILQS K VLP SK
40853	Q9UIB8	307	QSKVLP S KEEPVN
40854	Q9UIB8	317	PVNTVY S EVQFAD
40855	Q9UIB8	329	DKMGK A STQDSKP
40856	Q9UIB8	333	KASTQD S KPPGTS
40857	Q9UIF9	48	FPQQGKS L NGDVN
40858	Q9UIF9	72	TSGILNSAPHSSS
40859	Q9UIF9	77	NSAPHSS S STSHLH
40860	Q9UIF9	105	PSANPG S NLKDP P
40861	Q9UIF9	130	NGILGG S RQPSSP
40862	Q9UIF9	295	EDTPIL S EDSLEP
40863	Q9UIF9	334	KLPLED S PVISAL
40864	Q9UIF9	338	EDSPVI S ALDCPS
40865	Q9UIF9	344	SALDCPS L NNATA
40866	Q9UIF9	363	DSQTSTS I FASPT
40867	Q9UIF9	390	FDLNNG S DAEQEE
40868	Q9UIF9	426	QLHPAT S PAVSPT
40869	Q9UIF9	481	AVLPAV S LEVPLT
40870	Q9UIF9	492	LTASVT S PKASP V
40871	Q9UIF9	496	VTSPK A S PVTSPA
40872	Q9UIF9	892	LLCQGDS L GEVQD
40873	Q9UIF9	985	VHELNG S TLIINE
40874	Q9UIF9	1027	AKRTGR S EVEMEG
40875	Q9UIF9	1207	QPRHLK S PVRGQD
40876	Q9UIF9	1214	PVRGQD S EQPQAQ
40877	Q9UIF9	1253	FLEQE G SPLSLGQ
40878	Q9UIF9	1267	QHDLSQS A FLSWL
40879	Q9UIF9	1271	SQSAFL S WLSQTQ
40880	Q9UIF9	1281	QTQSHSS L SSSV
40881	Q9UIF9	1293	VLTPD S SSPGKLD P
40882	Q9UIF9	1356	SPQQLAS S KPMNR
40883	Q9UIF9	1412	RRGRPP S KFFKQM
40884	Q9UIF9	1505	EGIMSWS P KEKY
40885	Q9UIF9	1557	AYCEH L S DSQEDI
40886	Q9UIF9	1750	KRKSGY S LNFSEG
40887	Q9UIF9	1791	SKRRRL S MRNHHS
40888	Q9UIF9	1854	LRGGY T S SEEFAA
40889	Q9UIF9	1877	TFNEDD S EVGKAG
40890	Q9UJ70	15	EGGGTR S EVLLVS
40891	Q9UJ70	21	SEVLLV S EDGKIL
40892	Q9UJ70	34	AEADGL S TNHWLI
40893	Q9UJ70	70	PLVPLRS L GLSLS
40894	Q9UJ70	74	LRSLGL S LSGGDQ
40895	Q9UJ70	76	SLGLSLS S GGDQED
40896	Q9UJ70	99	DRFPYL S ESYLIT
40897	Q9UJ70	101	FPYLSE S YLITTD
40898	Q9UJ70	111	TTDAAG S IATATP
40899	Q9UJ70	125	GGVVL I S GTGSNC
40900	Q9UJ70	129	LISGTG S NCRLIN
40901	Q9UJ70	139	LINPDG S ESGC GGG
40902	Q9UJ70	141	NPDGSE S GC GGGW
40903	Q9UJ70	155	MMGDEG S AYWIAH

40904	Q9UJ70	170	VKIVFDSIDNLEA
40905	Q9UJ70	231	QQGDPLSRYIFRK
40906	Q9UJ70	271	PILCVGSVWKSWE
40907	Q9UJ70	275	VGSVWKSWELLKE
40908	Q9UJ70	300	QAQNFFSSFTLMK
40909	Q9UJ70	301	AQNFFSSFTLMKL
40910	Q9UJ70	310	LMKLRHSSALGGA
40911	Q9UJ70	311	MKLRHSSALGGAS
40912	Q9UJ70	317	SALGGASLGARHI
40913	Q9UJ70	332	LLPMDYSANAIAF
40914	Q9UJQ4	85	AEFFSISEFLEHK
40915	Q9UJQ4	106	VLIMNDSEGPVPS
40916	Q9UJQ4	112	SEGPVPSEDFSGA
40917	Q9UJQ4	126	LHQPTS PGSKDC
40918	Q9UJQ4	129	QPTSPGSKDCHRE
40919	Q9UJQ4	151	EKPDAESVVYLKT
40920	Q9UJQ4	210	PVPGANSIPWVLE
40921	Q9UJQ4	265	TLGSHMSQQVSA
40922	Q9UJQ4	269	HMSQQVSAAVALL
40923	Q9UJQ4	281	LSQKAGSQGLSLD
40924	Q9UJQ4	285	AGSQGLSLDALKQ
40925	Q9UJQ4	301	PHANIPSATSSLS
40926	Q9UJQ4	304	NIPSASTS LSPGL
40927	Q9UJQ4	349	LFQSPFSTVALDT
40928	Q9UJQ4	356	TVALDTSKKGKGK
40929	Q9UJQ4	469	DPIDEPSLSDSK
40930	Q9UJQ4	471	IDEPSLSDSKPV
40931	Q9UJQ4	515	PGPSPESEGGPTL
40932	Q9UJQ4	530	VGPNYNSPRAGGF
40933	Q9UJQ4	580	VLSCQSSLKMHYR
40934	Q9UJQ4	604	ICGRAFS TKGNLK
40935	Q9UJQ4	621	VHRTNTSIKTQHS
40936	Q9UJQ4	800	QAESIKSKSPDAG
40937	Q9UJQ4	811	AGSKAESSENSRT
40938	Q9UJQ4	815	AESSENSRTEMEG
40939	Q9UJQ4	849	GTFVGPS TLSPGM
40940	Q9UJQ4	881	CGKNFSSASALQI
40941	Q9UJQ4	883	KNFSSASALQIHE
40942	Q9UJQ4	926	HGANNNSARRGRK
40943	Q9UJQ4	974	VWNQYT SMLNGGL
40944	Q9UJQ4	1031	ADVEKPSATDGVP
40945	Q9UJX2	21	AVAPVLSINSDFS
40946	Q9UJX2	24	PVLSINSDFSDLR
40947	Q9UJX2	27	SINSDFS DLREIK
40948	Q9UJX2	51	ERGLLHS SKWSAE
40949	Q9UJX2	52	RGLLHSS KWSAEL
40950	Q9UJX2	55	LHSSKWSAELAFS
40951	Q9UJX2	61	SAELAFSLPALEPL
40952	Q9UJX2	111	FLHGCNSKKAYFL
40953	Q9UJX2	121	YFLYMY SRYLSGE
40954	Q9UJX2	125	MYSRYLS GEKKKD
40955	Q9UJX2	137	DDETVDLS LGPLEK
40956	Q9UJX2	159	EIRVELSKKHQAR
40957	Q9UJX2	223	EMLKFLSLPDTWM
40958	Q9UJX2	260	LIDVGFSKSSYIV
40959	Q9UJX2	262	DVGFSKSSYIVSQ
40960	Q9UJX2	263	VGFSKSSYIVSQI
40961	Q9UJX2	267	KSSYIVSQIAVAY

40962	Q9UJX2	284	DIDKALSIFNELR
40963	Q9UJX2	304	ENMDTFSNLLYVR
40964	Q9UJX2	311	NLLYVRSMKSELS
40965	Q9UJX2	314	YVRSMKSELSYLA
40966	Q9UJX2	317	SMKSELSYLAHNL
40967	Q9UJX2	342	VIGNYYSLRSQHE
40968	Q9UJX2	345	NNYSLRSQHEKAA
40969	Q9UJX2	382	MEMKNTSAAIQAY
40970	Q9UJX2	433	QLRPND\$RMLVAL
40971	Q9UJX2	483	HEQLTE\$EQAAQC
40972	Q9UJX2	499	YIQDIYS\$CGEIVE
40973	Q9UJX2	510	VEHLEESTAFRYL
40974	Q9UJX2	530	KLWDEASTCAQKC
40975	Q9UJX2	576	PFFLPASLSANNT
40976	Q9UJX2	578	FLPASLSANNTPT
40977	Q9UJX2	588	TPTRRVSPNLSS
40978	Q9UJX4	45	VLLNEMSRTGEGA
40979	Q9UJX4	53	TGEGAVSLMERR
40980	Q9UJX4	85	YKLIEESCPQLAN
40981	Q9UJX4	92	CPQLANSVQIRIK
40982	Q9UJX4	118	FDDLSDFSFGTEP
40983	Q9UJX4	120	DLSDSFSGTEPEV
40984	Q9UJX4	130	PEVHKTSVVGLFL
40985	Q9UJX4	147	LAYSKLSFSQVF
40986	Q9UJX4	149	YSKLSFSQVF
40987	Q9UJX4	179	ADMELTSRDEGER
40988	Q9UJX4	204	EEEVSCSGPLSQK
40989	Q9UJX4	208	SCSGPLSQKQAEF
40990	Q9UJX4	217	QAEFFLSQQASLL
40991	Q9UJX4	235	KALTPASLQKELN
40992	Q9UJX4	273	VFSSTHSLLHYFD
40993	Q9UJX4	288	ILTGAESKSNGEE
40994	Q9UJX4	290	TGAESKSNGEEGY
40995	Q9UJX4	299	EEGYGRSLRYAAL
40996	Q9UJX4	334	IRIAQESNDHVCL
40997	Q9UJX4	378	GLPYLASLGSQL
40998	Q9UJX4	405	MDALKDS DLLHWK
40999	Q9UJX4	421	SELIDISIAQKTA
41000	Q9UJX4	435	WRLYGRSTMALQQ
41001	Q9UJX4	487	GCFAAAS\$EVLKHL
41002	Q9UJX4	501	ERFPNNSQHAQLW
41003	Q9UJX4	558	QAQNQM\$EAHKLL
41004	Q9UJX4	582	NTEMVISVLLSVA
41005	Q9UJX4	586	VISVLLSVAELYW
41006	Q9UJX4	621	RLQYLASETVLNL
41007	Q9UJX4	642	IPEQALSLLHMAI
41008	Q9UJX4	746	LHQELPSHGVPLI
41009	Q9UJX5	57	SFHHRVWSFPPNEN
41010	Q9UJX5	103	KPESLHSFSVVEAP
41011	Q9UJX5	122	MEVTVESVLT\$F
41012	Q9UJX5	123	EVTVESSVLT\$F
41013	Q9UJX5	127	ESSVLT\$FYNAED
41014	Q9UJX5	153	KNYSNTSKIFSEE
41015	Q9UJX5	161	IFSEENSDEIIKL
41016	Q9UJX5	181	ILVLGGSSGFI
41017	Q9UJX5	212	LALCLSSDLKSL
41018	Q9UJX5	218	SDLKSLSVVTEVS
41019	Q9UJX5	243	ETNLLYSFLPEVT

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41021	Q9UJX5	268	LQYINL S LTCMCE
41022	Q9UJX5	285	ILMQMD S RLTKFV
41023	Q9UJX5	336	LKKLGQSIESSYS
41024	Q9UJX5	410	LQVIDSSMKNFKA
41025	Q9UJX5	488	EDDDLVSPPNTEG
41026	Q9UJX5	504	YDFLQNSSHLKES
41027	Q9UJX5	505	DFLQN S SHLKE S
41028	Q9UJX5	521	PYYPRK S LHFVKR
41029	Q9UJX5	562	LYRDT R SEDSTRR
41030	Q9UJX5	565	DTRSED S TRRLFK
41031	Q9UJX5	610	HTDISQS V SNGLI
41032	Q9UJX5	612	DISQS V SNGLIAI
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41034	Q9UJX5	672	LVQLPL S LVYNSE
41035	Q9UJX5	680	VYNSED S AEYQFT
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41037	Q9UJX5	698	RLDEQC S AIPTRT
41038	Q9UJX5	716	HWRLL E SMKAQYV
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41041	Q9UJX6	28	VAWNTV S TGLVPP
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41046	Q9UJX6	164	RGVLFF S TPRTFQ
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41051	Q9UJX6	377	RQQLLV S LKAALE
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41054	Q9UJX6	446	AGLTGDS D GTGDL
41055	Q9UJX6	474	QDSEDD S GEPEDW
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41057	Q9UJX6	493	ADPGK S SKRRSS
41058	Q9UJX6	498	SSSKRR S SDIISL
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41060	Q9UJX6	503	RSSDIISLLVSIY
41061	Q9UJX6	507	IISLLV S IYGSKD
41062	Q9UJX6	521	FINEYR S LLADRL
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41068	Q9UJX6	742	SDSGMASQADQKE
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41085	Q9UJY1	175	PQVPPYSTFGESS
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41138	Q9UK32	643	I GNGKFS L SGGNW
41139	Q9UK32	645	NGKFS L SGGNWDN
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41313	Q9UKV3	645	SRSRSRSRSASSN
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41316	Q9UKV3	702	RTSTSSSVQARR
41317	Q9UKV3	703	TSTSSSSVQARRL
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41320	Q9UKV3	819	ESSLPKSFKRKIS
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41322	Q9UKV3	1011	PPRGKISNIVHIS
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41324	Q9UKV3	1232	WLPLTDSQIVQKE
41325	Q9UKV3	1325	RDTKRHSRSRSRS
41326	Q9UKV3	1327	TKRHSRSRSRSTP
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41328	Q9UKV8	34	RPDFGTSGRTIKL
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41332	Q9UKV8	180	YTPVGRSFITASE
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41336	Q9UKV8	242	EVLDFKSIEEQQK
41337	Q9UKV8	253	QKPLTDSQRVKFT
41338	Q9UKV8	290	VTRRPASHQTFPL
41339	Q9UKV8	362	LTDNQTSSTMIRAT
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41341	Q9UKV8	380	DRQEEISKLMRSA
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41343	Q9UKV8	469	TEVHLKSFTEQLR
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41347	Q9UKV8	610	GDGKKPSIAAVVG
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41349	Q9UKV8	656	LIQFYKSTRFKPT
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41358	Q9UKV8	828	HDSAEGSHTSQGS
41359	Q9UKV8	831	AEGSHTSGQSNR
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41366	Q9UL25	143	EKERHVSIQEAES
41367	Q9UL25	149	SIQEAESYAESVG

41368	Q9UL25	153	AESYAESVGAKHY
41369	Q9UL25	162	AKHYHTSAKQNKG
41370	Q9UL25	195	RAKGNGSSQPGTA
41371	Q9UL25	196	AKGNNGSSQPGTAR
41372	Q9UL25	217	EPQAQTSGGGCCS
41373	Q9UL42	14	DWCRIMSVDEQKS
41374	Q9UL42	20	SVDEQKS LMVTGI
41375	Q9UL42	45	LQETLKS LGRYRL
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41392	Q9UL42	345	ASFENES I EPEE
41393	Q9UL46	10	PCGVRLS G EAR K
41394	Q9UL46	51	QLLQEDS L NVADL
41395	Q9UL46	59	NVADLTS L RAPLD
41396	Q9UL46	102	GNEKVLS L LALVK
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41399	Q9UL46	179	DAVAKAS K ETHVM
41400	Q9UL46	221	ELYHIISSNLEKI
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41402	Q9UL54	29	DPEKLFS D LREIG
41403	Q9UL54	66	SYSGKQS N EKWQD
41404	Q9UL54	111	MEYCLGS A SDLLE
41405	Q9UL54	144	GLAYLHS H NMIHR
41406	Q9UL54	172	KLGDFGS A SIMAP
41407	Q9UL54	210	GKVDVWS L GITCI
41408	Q9UL54	260	FRNFVDS C LQKIP
41409	Q9UL54	347	RAGTLTS L ESSHS
41410	Q9UL54	350	TLTSLES S HSVPS
41411	Q9UL54	351	LTSLESS H SVPSM
41412	Q9UL54	356	SSH S VPSMSISAS
41413	Q9UL54	363	MSISASSQSSVN
41414	Q9UL54	367	ASSQSSVNSLAD
41415	Q9UL54	411	GEHTVT S HSSIIH
41416	Q9UL54	422	I H RLPGS D NLYDD
41417	Q9UL54	449	AAPAPT S TTSSAR
41418	Q9UL54	452	APTST T SARRA
41419	Q9UL54	486	QEHEQDS A REQL
41420	Q9UL54	493	ALREQLS G YKRM R
41421	Q9UL54	521	GEREEH S ARLQRE
41422	Q9UL54	603	ELQENP S TPKREK
41423	Q9UL54	833	SPQKHGS L VDEEV
41424	Q9UL54	923	PGDGCP S PDIPPE
41425	Q9UL54	963	FAVGSS S GLLPLL

41426	Q9UL54	1002	LVGLGASYLLLCT
41427	Q9UL54	1014	TALHLPSSLFLLL
41428	Q9UL54	1015	ALHLPSSLFLLA
41429	Q9UL54	1082	RVRRGISRLWLRV
41430	Q9UL54	1093	RVLLRLSPMAFRA
41431	Q9UL54	1210	QLGPPASRQPLPG
41432	Q9UL54	1223	TLAGRRSRTRQSR
41433	Q9ULC4	12	DEKENVSNCIQLK
41434	Q9ULC4	20	CIQLKTSVIKGIK
41435	Q9ULC4	107	AIKFVLSGANIMC
41436	Q9ULC4	151	VGVMKMSAEDIEK
41437	Q9ULV5	15	PTEPGPSPVPAFL
41438	Q9ULV5	40	DHLIRWSPSGTSF
41439	Q9ULV5	42	LIRWSPSGTSFLV
41440	Q9ULV5	45	WSPSGTSFLVSDQ
41441	Q9ULV5	49	GTSFLVS DQS RFA
41442	Q9ULV5	52	FLVSDQS RFAKEV
41443	Q9ULV5	66	PQYFKHSNMASFV
41444	Q9ULV5	85	GFRKVVS IEQGGL
41445	Q9ULV5	105	VEFQHPS FVRGRE
41446	Q9ULV5	152	LRGVQESTEARLR
41447	Q9ULV5	177	VVTILRQSHGQQHR
41448	Q9ULV5	201	PLQAGPSNAGGKR
41449	Q9ULV5	210	GGKRKLSLMLDEG
41450	Q9ULV5	217	LMLDEGS SCPTPA
41451	Q9ULV5	218	MLDEGSS CPTPAK
41452	Q9ULV5	253	ETNLGLSPHRARG
41453	Q9ULV5	263	ARGPIISDIPEDS
41454	Q9ULV5	269	SDIPEDS PSPEGT
41455	Q9ULV5	271	IPEDSPS PEGTRL
41456	Q9ULV5	278	PEGTRLSPSSDGR
41457	Q9ULV5	280	GTRLSPSSDGRRE
41458	Q9ULV5	281	TRLSPSS DGRREK
41459	Q9ULV5	338	ILEGKGSFSPEGP
41460	Q9ULV5	340	EGKGSFS PEGPRN
41461	Q9ULV5	368	GPLGLES GDRSPE
41462	Q9ULV5	375	GDRSPES LLPPML
41463	Q9ULV5	401	LDVLGPS LQGREW
41464	Q9ULV5	438	AVKGLNS PSPGKD
41465	Q9ULV5	474	GALTIYSTPESRT
41466	Q9ULV5	478	IYSTPESRTASYL
41467	Q9ULV5	482	PESRTASYLGPEA
41468	Q9ULV8	38	CVDPRLSVSPPSL
41469	Q9ULV8	40	DPRLSVSPPSLRD
41470	Q9ULV8	43	LSVSPPSLRDLLP
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41472	Q9ULV8	76	PGGPGBSGDFLLI
41473	Q9ULV8	91	ANLEAKSRQVAAL
41474	Q9ULV8	105	PPRGRRS ANDELF
41475	Q9ULV8	115	ELFRAGS RLRRQL
41476	Q9ULV8	129	KLAIIFS HMHAEL
41477	Q9ULV8	163	HTFWRES CGARCV
41478	Q9ULV8	177	PWAEEFES LLGTCH
41479	Q9ULV8	203	TIDLTC SGHVSIF
41480	Q9ULV8	207	TCSGHVS IFEFDV
41481	Q9ULV8	260	CRDKPGSY IFRPS
41482	Q9ULV8	266	SYIFRPSCTRLGQ
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41484	Q9ULV8	280	AIGYVSSDGSIHQ
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41486	Q9ULV8	295	PANKPLSQVLLEG
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41488	Q9ULV8	346	LYWAMDSTFELCK
41489	Q9ULV8	357	CKICAESENKDVKI
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41498	Q9ULV8	461	RLLKGNSPPAALG
41499	Q9UM07	31	TQLDICSSAPEDC
41500	Q9UM07	32	QLDICSSAPEDCT
41501	Q9UM07	39	APEDCTSFSINAS
41502	Q9UM07	41	EDCTSFSINASPG
41503	Q9UM07	62	PPAKKKSTGSSTW
41504	Q9UM07	65	KKKSTGSSTWPLDP
41505	Q9UM07	66	KKSTGSSTWPLDP
41506	Q9UM07	86	MKVASGSGTGDQKV
41507	Q9UM07	95	DQKVQISYYGPKT
41508	Q9UM07	116	LTGVEISLCADIT
41509	Q9UM07	161	DRDNLESSAMDCE
41510	Q9UM07	162	RDNLESSAMDCED
41511	Q9UM07	174	DDEVLDSEDLQDM
41512	Q9UM07	206	VLHVARSEMVKVR
41513	Q9UM07	223	TRGKLSSKCSVVL
41514	Q9UM07	226	KLSSKCSVVLGPK
41515	Q9UM07	235	LGPKWPSSHYLMVP
41516	Q9UM07	270	LITLTISLLDTSN
41517	Q9UM07	275	ISLLDTSNLELPE
41518	Q9UM07	288	AVVFQDSVVFRVA
41519	Q9UM07	322	NEDFLKSVTTLAM
41520	Q9UM07	402	PQTGGISGLDSFG
41521	Q9UM07	413	FGNLEVSPPVTVR
41522	Q9UM07	440	CYPSNDSRQMHQ
41523	Q9UM07	452	ALQDFLSAQGVQA
41524	Q9UM07	464	APVKLYSDWLSVG
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41526	Q9UM07	477	HVDEFPLSFVPAPD
41527	Q9UM07	493	FRLLLASSPRSCYK
41528	Q9UM07	540	TLREHNSFVERCI
41529	Q9UM07	577	FKLKEFSKAEAFF
41530	Q9UM07	618	LEEKVCSILLEPLG
41531	Q9UM07	655	VRRKPFSFKWWNM
41532	Q9UM11	35	RTLTPASSPVSSP
41533	Q9UM11	42	SPVSSPSKHGDRF
41534	Q9UM11	51	GDRFIPS RAGANW
41535	Q9UM11	82	KAKDATSDNGKDG
41536	Q9UM11	92	KDGLAYSALLKNE
41537	Q9UM11	120	DRRLQPS TPEKKG
41538	Q9UM11	131	KGLFTYSLSTKRS
41539	Q9UM11	133	LFTYSLSTKRSSP
41540	Q9UM11	137	SLSTKRS SPDDGN
41541	Q9UM11	146	DDGNDVSPYSLSP

41542	Q9UM11	151	VSPYSLSPVSNKS
41543	Q9UM11	154	YSLSPVSNKSQKL
41544	Q9UM11	172	KPTRKISKIPFKV
41545	Q9UM11	196	LNLVDWSLNVLS
41546	Q9UM11	197	NLVDWSSLNVLSV
41547	Q9UM11	202	SSLNVLSVGLGTC
41548	Q9UM11	213	TCVYLWSACTSQV
41549	Q9UM11	226	TRLCDLSVEGDSV
41550	Q9UM11	231	LSVEGDSVTSGW
41551	Q9UM11	234	EGDSVTSGWSER
41552	Q9UM11	238	VTSVGWSERGNLV
41553	Q9UM11	286	NAEQLSSGSRDRM
41554	Q9UM11	288	EQLSSGSRDRMIL
41555	Q9UM11	330	DHQLLASGGNDNK
41556	Q9UM11	344	LVWNHSSLSPVQQ
41557	Q9UM11	346	WNHSSLSPVQQYT
41558	Q9UM11	364	VKAIAWSPHQHGL
41559	Q9UM11	400	QCIDTGSQVCNLA
41560	Q9UM11	421	VSTHGYSQNQILV
41561	Q9UM11	443	AKLTGHSYRVLYL
41562	Q9UM11	478	VFSKTRSTKVKWE
41563	Q9UM11	485	TKVKWESVSVLNL
41564	Q9UM11	487	VWKESVSVLNLFT
41565	Q9UM21	17	ALAFITSFLTLSW
41566	Q9UM21	22	TSFLTLSWYTTWQ
41567	Q9UM21	56	IAEHRISSQRSEL
41568	Q9UM21	59	HRISQRSSSELNTI
41569	Q9UM21	60	RISQRSSSELNTIV
41570	Q9UM21	79	GAETNGSKDALNK
41571	Q9UM21	87	DALNKFSDNTLKL
41572	Q9UM21	99	LLKELTSKKSLQV
41573	Q9UM21	102	ELTSKKSLQVPSI
41574	Q9UM21	107	KSLQVPSIYYHLP
41575	Q9UM21	121	LLKNEGSLQPAVQ
41576	Q9UM21	136	NGRTGVSIIMGIP
41577	Q9UM21	150	VKREVKSYLIETL
41578	Q9UM21	158	LIETLHSIDONLY
41579	Q9UM21	197	NLEKEFSKEISSG
41580	Q9UM21	201	EFSKEISSGGLVEV
41581	Q9UM21	202	FSKEISSGGLVEVI
41582	Q9UM21	228	KETFGDSKERVRW
41583	Q9UM21	281	NFALQLSSEEWMI
41584	Q9UM21	282	FALQLSSEEWML
41585	Q9UM21	291	WMILEFSQLFIG
41586	Q9UM21	357	RIRFRPSLFQHVG
41587	Q9UM21	366	QHVGLHSLSGKI
41588	Q9UM21	367	HVGLHSSLGKIQ
41589	Q9UM21	397	NPPAEVSTSLKVV
41590	Q9UM21	441	KPVNVESYLFHSG
41591	Q9UM21	468	EVLPFKSEGLEIS
41592	Q9UM21	504	EGMVDPSSLNPISA
41593	Q9UM21	509	PSLNPISAFRLSV
41594	Q9UM21	514	ISAFRLSVIQNSA
41595	Q9UM21	519	LSVIQNSAVWAIL
41596	Q9UM73	78	LLPPSSSELKAGR
41597	Q9UM73	109	GPAPGVSWTAGSP
41598	Q9UM73	124	AEARTLSRVLKGG
41599	Q9UM73	131	RVLKGGSVRKLRR

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41602	Q9UM73	235	SPTNMPSPSPDYF
41603	Q9UM73	257	DSFPFLSHRSRYG
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41605	Q9UM73	340	LSPWMRS SSEHCT
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41607	Q9UM73	358	HRHLQPSGRYIAQ
41608	Q9UM73	426	FALKNCSEGTS PG
41609	Q9UM73	430	NCSEGTSPGSKMA
41610	Q9UM73	433	EGTSPGSKMALQS
41611	Q9UM73	522	DHALLLSTTDVPA
41612	Q9UM73	536	ESATVTSATFPAP
41613	Q9UM73	546	PAPIKSSPCELRM
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41617	Q9UM73	631	FDNISISLDCYLT
41618	Q9UM73	711	YQNSNLSEVGSE
41619	Q9UM73	754	KNTMMRSHGVSVL
41620	Q9UM73	888	GWNDNTS LLWAGK
41621	Q9UM73	957	DGEDGVSFISPLG
41622	Q9UM73	988	KHYLNCS HCEVDE
41623	Q9UM73	1038	PLSLILSVVTSAL
41624	Q9UM73	1186	VRCIGVSLQSLPR
41625	Q9UM73	1314	SKTDTWSFGVLLW
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41627	Q9UM73	1487	SQSNPPSELHKVH
41628	Q9UM73	1509	WNPTYGSWFTEKP
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41631	Q9UMD9	148	IRVRLQSASPSTR
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41634	Q9UMD9	174	SRSASVSPTRNSS
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41637	Q9UMD9	255	NAYSAGSVFGVPN
41638	Q9UMD9	382	ASIAATS FSEDTL
41639	Q9UMD9	384	IAATSFSEDTLKK
41640	Q9UMD9	460	AWCPCGS CCSWWK
41641	Q9UMD9	542	DKIGLHS DSQEEL
41642	Q9UMD9	640	EAGPPGS GEKGER
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41650	Q9UMD9	1066	LASHVVSYLRTSG
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41654	Q9UMD9	1197	NVWSSI SVEDLSS
41655	Q9UMD9	1202	ISVEDLSS YLHTA
41656	Q9UMD9	1245	AAENSDS FRSELI
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41658	Q9UMD9	1295	SRGSSSSSHSSSV
41659	Q9UMD9	1306	SVRRGSSYSSSMS
41660	Q9UMS4	8	SLICSI\$NEVPEH
41661	Q9UMS4	18	PEHPCVS\$PVSNHV
41662	Q9UMS4	67	IRPKPP\$ATSIPA
41663	Q9UMS4	89	DAVMLHSFTLRQQ
41664	Q9UMS4	104	TTRQELSHALYQH
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41667	Q9UMS4	205	VKPEELSKYRQVA
41668	Q9UMS4	218	SHVGLHSASI\$PGI
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41670	Q9UMS4	232	ALDLCP\$DTNKIL
41671	Q9UMS4	253	VVFDS\$SEQILAT
41672	Q9UMS4	269	HTKKVTSVVFHPS
41673	Q9UMS4	275	SVVFHPSQDLVFS
41674	Q9UMS4	281	SQDLVFSASPDAT
41675	Q9UMS4	283	DLVFSASPDATIR
41676	Q9UMS4	292	ATIRIW\$VPNASC
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41678	Q9UMS4	307	VVRAHE\$AVTGLS
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41681	Q9UMS4	324	GDYLL\$SSDDQYW
41682	Q9UMS4	325	DYLL\$SSDDQYWA
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41687	Q9UMS4	397	HSGPITSIAFSEN
41688	Q9UMS4	401	ITSIAF\$ENGYYL
41689	Q9UMS4	414	ATAADD\$SVKLWD
41690	Q9UMS4	415	TAADD\$SVKLWDL
41691	Q9UMS4	475	LHFTEH\$GLTTGV
41692	Q9UMS4	492	HAKFIAS\$GMDRS
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41694	Q9UNE7	109	CQLEMES\$YDEAIA
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41700	Q9UNE7	166	ELHSYLSRLIAAE
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41710	Q9UNF1	46	PETPKAS\$KALEVS
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41712	Q9UNF1	64	SKASGV\$KATEVS
41713	Q9UNF1	70	SKATEV\$KTPEAR
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41718	Q9UNF1	191	GEEDGSSDQSQAS
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41728	Q9UNF1	377	LLMVLLSIIIFMNG
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41731	Q9UNF1	509	MGIGLGSENAAGP
41732	Q9UNF1	544	KAKAQESGSASTG
41733	Q9UNF1	546	KAQESGSASTGAS
41734	Q9UNF1	552	SASTGASTSTNNNS
41735	Q9UNF1	554	STGASTSTNNNAS
41736	Q9UNF1	558	STSTNNASASAS
41737	Q9UNF1	562	NN SASASASTSGG
41738	Q9UNF1	598	ASTSGSS GACGFS
41739	Q9UNL4	13	LEHYLDS IENLPF
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41743	Q9UNL4	57	SSARSLS SEEKLA
41744	Q9UNL4	58	SARSLS SEEKLAL
41745	Q9UNL4	118	KEKQIES SDYDSS
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41748	Q9UNL4	124	SSDYDSSSSKGKK
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41750	Q9UNL4	126	DYDSSSSKGKKKG
41751	Q9UNL4	145	KAARARS KGKNSD
41752	Q9UNL4	150	RSKGKNS DEEAPK
41753	Q9UNL4	168	LKLVRTS PEYGMP
41754	Q9UNL4	175	PEYGMP SVTFGSV
41755	Q9UNL4	180	PSVTFGSVHPSDV
41756	Q9UNL4	184	FGSVHPS DVLDMP
41757	Q9UNL4	205	CLCHQVS YGEMIG
41758	Q9UNL4	218	CDNPDCS IEWFHF
41759	Q9UNS2	11	LEQFVNNS VRQLSA
41760	Q9UNS2	16	NSVRQLS AQGQMT
41761	Q9UNS2	31	CELINKS GELLA
41762	Q9UNS2	40	LLAKNL SHLDTVL
41763	Q9UNS2	55	LDVQEHS LGVLAV
41764	Q9UNS2	67	VLFVKFS MPSVPD
41765	Q9UNS2	70	VKF SMP VPDFET
41766	Q9UNS2	79	DFETLFS QVQLFI
41767	Q9UNS2	86	QVQLFIS TCNGEH
41768	Q9UNS2	140	NTNQLTS IHADLC
41769	Q9UNS2	217	TPAMAVSHIMLES
41770	Q9UNS2	223	SHIMLES YKKYIL
41771	Q9UNS2	231	KKYILVSLILLGK
41772	Q9UNS2	246	QLPKYTS QIVGRF
41773	Q9UNS2	257	RFIKPLS NAYHEL

41774	Q9UNS2	268	ELAQVYS TNNPSE
41775	Q9UNS2	273	YSTNNPSELRLNLV
41776	Q9UNS2	283	NLVNKHSETFTRD
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41778	Q9UNS2	301	VKQCLSSLYKKNI
41779	Q9UNS2	318	KTFPLTLSLQDMAS
41780	Q9UNS2	324	SLQDMASRVQLSG
41781	Q9UNS2	329	ASRVQLSGPQEAE
41782	Q9UNS2	350	DGEIFASINQKDG
41783	Q9UNS2	359	QKDGMVSFHDNPE
41784	Q9UNS2	407	PQFVQKSMGSQED
41785	Q9UNS2	415	GSQEDDSGNKPSS
41786	Q9UP65	49	VVAVLGSGGGLRA
41787	Q9UP65	64	ACLGVLSEMKEQG
41788	Q9UP65	82	TYLAGVSGSTWAI
41789	Q9UP65	84	LAGVSGSTWAISS
41790	Q9UP65	89	GSTWAISSLYTND
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41792	Q9UP65	119	EWDLAKSLQKTIQ
41793	Q9UP65	129	TIQAARSENYSLT
41794	Q9UP65	133	ARSENYSLTDFWA
41795	Q9UP65	144	WAYMVISKQTREL
41796	Q9UP65	153	TRELPESHLSNMK
41797	Q9UP65	156	LPESHLSNMKKPV
41798	Q9UP65	182	DNDLQPSWQEARA
41799	Q9UP65	203	PHHAGFSALGAFV
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41802	Q9UP65	241	LRGLWGSLALGNT
41803	Q9UP65	275	AVANAKSIGHLIF
41804	Q9UP65	290	LLRLQESSQGEHP
41805	Q9UP65	291	LRLQESSQGEHPP
41806	Q9UP65	321	ENWTRTSLEKQEQ
41807	Q9UP65	337	DPERKGSLSNLMD
41808	Q9UP65	339	ERKGSLSNLMDFV
41809	Q9UP65	353	KTGICASKWEWGT
41810	Q9UP65	376	IRDKIMS SRKHLH
41811	Q9UP65	377	RDKIMSSRKHLHL
41812	Q9UP65	409	EVHLILSFDFDSAG
41813	Q9UP65	413	IISFDFSAGDPFE
41814	Q9UP65	447	AELDLWSKAPASC
41815	Q9UP65	452	WSKAPASCYILKG
41816	Q9UP65	483	GDIEAWSDTYDTF
41817	Q9UPN6	13	FNSELYSLNDYKP
41818	Q9UPN6	22	DYKPPISKAKMTQ
41819	Q9UPN6	89	VFAPRFSNNIIST
41820	Q9UPN6	149	VTPVLASTTTAMS
41821	Q9UPN6	292	SQLSHVSESVNNS
41822	Q9UPN6	340	QEGTFGSEHSASP
41823	Q9UPN6	345	GSEHSASPSQGSS
41824	Q9UPN6	347	EHSASPSQGSSQQ
41825	Q9UPN6	400	VAVRSRSRTHSRS
41826	Q9UPN6	410	SRSRSRSRPRKRRS
41827	Q9UPN6	418	RKRRSRSSRGSRK
41828	Q9UPN6	420	RRSRSRSRSRKRK
41829	Q9UPN6	433	HRKRSRSRSRERK
41830	Q9UPN6	443	ERKRKSSRSYSSE
41831	Q9UPN6	473	IRSKTLSVCSTTL

41832	Q9UPN6	533	RALQKLS SGSYKI
41833	Q9UPN6	605	WETVKSS EPV KET
41834	Q9UPN6	653	PAVPTVS LVPPAF
41835	Q9UPN6	662	PPAFPV SMPVPPP
41836	Q9UPN6	714	PPVVPT SLVQPSL
41837	Q9UPN6	719	TSLVQPS LSMTPE
41838	Q9UPN6	741	LVI P GGSVASNLA
41839	Q9UPN6	749	ASNLAT S ALPAGN
41840	Q9UPN6	779	LIDHQI S SGENTR
41841	Q9UPN6	786	SGENTR S VIPNDI
41842	Q9UPN6	821	VQRPNV S SNSEIL
41843	Q9UPN6	824	PNVSSN S EILGVR
41844	Q9UPN6	838	SNVSSSSG I IAAQ
41845	Q9UPN6	863	IQPPSV S NSSGLL
41846	Q9UPN6	865	PPSVSN S GLLGV
41847	Q9UPN6	956	RGIPPPS V LDSAL
41848	Q9UPN6	1125	ERGRFR S GNYRFD
41849	Q9UPN6	1243	YEKLTS S NEINKE
41850	Q9UPP1	39	GRAKMAS V PVYCL
41851	Q9UPP1	96	EVLHG P SIMKKRR
41852	Q9UPP1	104	MKKRRG S SKGHDT
41853	Q9UPP1	129	FVRELRS R TFDSS
41854	Q9UPP1	134	RSRTFD S DEVIL
41855	Q9UPP1	135	SRTFD S DEVILK
41856	Q9UPP1	189	VEHYVG S DKEIDV
41857	Q9UPP1	228	KVLNVI S LEFSDT
41858	Q9UPP1	232	VISLEF S DTRLSN
41859	Q9UPP1	278	LMSVRD S YTDHFHI
41860	Q9UPP1	373	GGNFLH S LNIEMQ
41861	Q9UPP1	510	LTRPAH S TSVSMS
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41863	Q9UPP1	565	NLMDTY S HQALKT
41864	Q9UPP1	589	GACLND S DDDSPD
41865	Q9UPP1	593	NDSDDDS P DLDLD
41866	Q9UPP1	603	DLDGNES P ALLLM
41867	Q9UPP1	610	PLALLM S NGSTKR
41868	Q9UPP1	619	STKRVKS L SKSRR
41869	Q9UPP1	734	LDLLKAS R QVGGP
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41871	Q9UPP1	778	SSPAT S IQAWWT
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41873	Q9UPP1	793	QDRSSG S SSSGLG
41874	Q9UPP1	802	SGLGTV S NSPASQ
41875	Q9UPP1	834	EEENAS L DEQDS
41876	Q9UPP1	874	PKKKKN S DDAPWS
41877	Q9UPP1	904	EGTRVAS I ETGLA
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41879	Q9UPP1	969	QLVTSS S PLPPP
41880	Q9UPP1	1021	LTQRRP S VGSQSN
41881	Q9UPT6	21	YQDDYC S GSVMSE
41882	Q9UPT6	30	VMSERV S LAGSI
41883	Q9UPT6	35	VSGLAGS I YREFE
41884	Q9UPT6	182	VEHIER S KMQQVG
41885	Q9UPT6	195	GNSQTE S SLPGRR
41886	Q9UPT6	207	RKERPT S LNVFPL
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41888	Q9UPT6	267	SAAATP S TTGTKS
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41893	Q9UPT6	558	TEMIRASREHPSV
41894	Q9UPT6	577	TIWQFFSRLFSSS
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41896	Q9UPT6	582	FSRLFSSSSPPP
41897	Q9UPT6	584	RLFSSSSPPPAK
41898	Q9UPT6	595	AKRPYPSVNIHYK
41899	Q9UPT6	609	PTTAGFSQRRNHA
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41901	Q9UPT6	750	GDGEPKSAHTSPE
41902	Q9UPT6	817	SSI PAASDSDYPP
41903	Q9UPT6	863	VPRSNCS SRGDTP
41904	Q9UPT6	864	PRSNCSS SRGDTPV
41905	Q9UPT6	1001	SIKLKD SVLSLVH
41906	Q9UPT6	1168	GNGVVISIPLTET
41907	Q9UPT6	1212	VYGDDSS DRAASS
41908	Q9UPT6	1217	SSDRAA SFIPYC
41909	Q9UPT6	1224	SFIPYCSMAQAQL
41910	Q9UPT6	1244	AVKFFVSVPGNVL
41911	Q9UPT6	1286	RNV LVL SGGEGYI
41912	Q9UPV0	25	DETYIPSEQEILE
41913	Q9UPV0	106	RAKLSTS GAIKKK
41914	Q9UPV0	171	QSVSLGS SVESGR
41915	Q9UPV0	175	LGSSVES GRQLGE
41916	Q9UPV0	201	TKGLLGS IYEDKT
41917	Q9UPV0	235	QSVHSS SEPLRNL
41918	Q9UPV0	261	EESLRTS QPEEKK
41919	Q9UPV0	270	EEKKDVS LDS DAA
41920	Q9UPV0	337	KADPTGSE PAKAS
41921	Q9UPV0	359	DAGEEGS RREEAA
41922	Q9UPV0	455	KDDSQSS QDELQS
41923	Q9UPV0	461	SQDELQS KQSKGL
41924	Q9UPV0	544	KGKEQHS QAEELG
41925	Q9UPV0	577	VSPEVR STEPVAP
41926	Q9UPV0	643	HQQKEQS LSSLRE
41927	Q9UPV0	705	LREELES QQKAER
41928	Q9UPV0	822	HRVHQKS YHVAGY
41929	Q9UPV0	993	HTHLLQS NQQLRE
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41931	Q9UPV0	1123	LVQQTRS MRRQT
41932	Q9UPV0	1238	ESSESFS PPHREW
41933	Q9UPV0	1273	SLRQISS QLSSVL
41934	Q9UPV0	1289	DSLNPQS PPPLLA
41935	Q9UPV0	1325	ARFSALS SATPTS
41936	Q9UPV0	1326	RFSALSS ATPTST
41937	Q9UPV0	1331	SSATPTST QWAWD
41938	Q9UPV0	1338	TQWAWDS GQGPRL
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41940	Q9UPV0	1397	LRLLQHS HSQVPE
41941	Q9UPV0	1433	PRLPLFS STPKPK
41942	Q9UPV0	1443	KPKATL SLLQLGL
41943	Q9UPY6	24	LPEGIT SELECVT
41944	Q9UPY6	32	LECVTN S TLAII
41945	Q9UPY6	42	AIIRQLS SLSKHA
41946	Q9UPY6	45	RQLSSL SKHAEDI
41947	Q9UPY6	68	FYIRANS LQDRID

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41950	Q9UPY6	113	QDQQVVS K N S I P N
41951	Q9UPY6	116	QVVSK N S I PNPVA
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41953	Q9UPY6	221	RPDNRLS Q S VYHG
41954	Q9UPY6	229	SVYHG A S SEGSLS
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41956	Q9UPY6	235	SSEGSL S PDTRSH
41957	Q9UPY6	243	DTRSHAS D VTDYS
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41959	Q9UPY6	257	PATPNH S LHPQPV
41960	Q9UPY6	266	PQPVTPS Y AA GDV
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41962	Q9UPY6	292	YRPPS S ARHMAL
41963	Q9UPY6	316	PQAPEG S QASAPM
41964	Q9UPY6	341	I EYYNPS G PPP P P
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41970	Q9UPY6	415	GPGSSL S SSPMHG
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41972	Q9UPY6	442	PISDARS D LLAAI
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41974	Q9UPY6	489	AVEYSD S DDDSEF
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41977	Q9UPZ9	53	NLREV K SLKKLNH
41978	Q9UPZ9	204	PLFPG A SEIDTIF
41979	Q9UPZ9	232	EGYQL S AMNFRW
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41984	Q9UPZ9	356	PYKAEV S RTDHPS
41985	Q9UPZ9	362	SRTDHPS H LQEDK
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41989	Q9UPZ9	415	SRSTKD S DDWADL
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41991	Q9UPZ9	429	DLD F SPS L SRIDL
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41993	Q9UPZ9	451	TLCRFE S VLDLK
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41995	Q9UPZ9	466	PVGTGN S APTQTS
41996	Q9UPZ9	472	SAPTQ T S YQR D
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42007	Q9UPZ9	580	APIPDPSPGYSSL
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42010	Q9UQ35	279	DTSRSRSRSAAK
42011	Q9UQ35	459	ISSSPTSKNRSHG
42012	Q9UQ35	463	PTSKNRSHGRAKR
42013	Q9UQ35	510	GHSRSRSRQWRRS
42014	Q9UQ35	678	RTPARRSGRSRSR
42015	Q9UQ35	706	GRSRSSRLVRRGR
42016	Q9UQ35	802	RSRSGSSQPKAKS
42017	Q9UQ35	808	SQPKAKSRTPPRR
42018	Q9UQ35	912	RQSPSRSSSPQPK
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42022	Q9UQ35	1287	SLTLDQSQSQASL
42023	Q9UQ35	1562	RSESDSSPDSKAK
42024	Q9UQ35	1592	DSKSRLSPRRSRS
42025	Q9UQ35	1675	RRGSRSSPEPKTK
42026	Q9UQ35	1713	SRSASSSPETRSR
42027	Q9UQ35	1831	PARQESSRTSSRR
42028	Q9UQ35	2081	IRRRSASGSSSDR
42029	Q9UQ35	2083	RRSASGSSSDRSR
42030	Q9UQ35	2088	GSSSDRSRSATPP
42031	Q9UQ35	2230	PAANLASRIPAA
42032	Q9UQ35	2326	AANYPSSSRTPQA
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42035	Q9UQ35	2554	SSSSSSSSGSSS
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42038	Q9UQ80	39	RSLVEAASSGVSV
42039	Q9UQ80	40	SLVEAASSGVSVL
42040	Q9UQ80	41	LVEAASSGVSVLS
42041	Q9UQ80	44	ASSSGVSVLSLCE
42042	Q9UQ80	47	SGVSVLSLCEKGD
42043	Q9UQ80	79	GIAFPTSISVNNC
42044	Q9UQ80	81	AFPTSIJVNNCV
42045	Q9UQ80	90	NCVCHFSPLKSDQ
42046	Q9UQ80	94	HFSPLKSQDYIL
42047	Q9UQ80	176	WNKVAHSFNCTPI
42048	Q9UQ80	187	PIEGMLSQQLQKH
42049	Q9UQ80	231	AVDVLVSSGEGKA
42050	Q9UQ80	232	VDVLVSSGEGKAK
42051	Q9UQ80	252	IYKRDPSKQYGLK
42052	Q9UQ80	262	GLKMKTSLRAFFSE
42053	Q9UQ80	267	TSRAFFSEVERRF
42054	Q9UQ80	335	GPMRITSGPFEFD
42055	Q9UQ80	345	EPDLYKSEMEVQD
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42057	Q9UQ80	363	LLQSSASRKTQKK
42058	Q9UQ80	375	KKKKKASKTAENA
42059	Q9UQ80	383	TAENATSGETLEE
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42065	Q9UQ84	355	AHSRSHSWDDKTC
42066	Q9UQ84	368	QKSANVSSIWHRN
42067	Q9UQ84	395	QLKENPSTVGVER
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42069	Q9UQ84	426	PRSAELSEDDLLS
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42072	Q9UQ84	509	RSRFFCSDSTDC
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42076	Q9UQ84	585	VFTDEESYSFESS
42077	Q9UQ84	587	TDEEYSFESSKF
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42079	Q9UQ84	619	GGLGDFSRTPSPS
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42081	Q9UQ84	649	LPENNMSDVSQLK
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42083	Q9UQ84	676	EACSSSQESGEF
42084	Q9UQ84	679	SSQSQESGEFLQ
42085	Q9UQ84	686	GEFLQSSNASKL
42086	Q9UQ84	690	LQSSNASKLSQCS
42087	Q9UQ84	696	SKLSQCSKDSDS
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42089	Q9UQ84	720	SQSDQTSKLRLSH
42090	Q9UQ84	728	LRLSHFSKKDTPL
42091	Q9UQC2	16	TGWLRKSPPPEKKL
42092	Q9UQC2	36	RWFILRSGRMSGD
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42095	Q9UQC2	91	VFDIKTSERTFYL
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42098	Q9UQC2	158	LLRERKSAPSHS
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42100	Q9UQC2	212	ARSASFSGQTRAS
42101	Q9UQC2	242	HCVNGISGQVHGF
42102	Q9UQC2	250	QVHGFYSLPKPSR
42103	Q9UQC2	255	YSLPKPSRHNTEF
42104	Q9UQC2	285	KGSLTGSETDNED
42105	Q9UQC2	322	VPATPLSAYQIPR
42106	Q9UQC2	376	QQRPPISENSRSV
42107	Q9UQC2	379	PPISENSRSVAAT
42108	Q9UQC2	398	LPAMDNSRLHRAS
42109	Q9UQC2	422	GESAGRSAESMSD
42110	Q9UQC2	432	MSDGVGSLPGKM
42111	Q9UQC2	460	PMNPGSSTLLAME
42112	Q9UQC2	472	ERAGDNSQSVYIP
42113	Q9UQC2	548	KSPITKSWSRANH
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42117	Q9UQC2	574	STQSITSSTDGDS
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42120	Q9UQC2	633	HRKPSTSVTSDE
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42126	Q9UQE7	175	DERKEE SISLMKE
42127	Q9UQE7	177	RKEESI SLMKETE
42128	Q9UQE7	243	AKLDELS AAKRETS
42129	Q9UQE7	320	DELAGNS EQRKRL
42130	Q9UQE7	467	KKDELQS ERNYLW
42131	Q9UQE7	511	ILNGIDS INKVLD
42132	Q9UQE7	565	FYHIVD SDEVSTK
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42134	Q9UQE7	737	SRDSIL SEMKMLK
42135	Q9UQE7	759	FMPKQRS LQSLEA
42136	Q9UQE7	762	KQRSLQS LEASLH
42137	Q9UQE7	772	SLHAMES TRESLK
42138	Q9UQE7	776	MESTRES LKAELG
42139	Q9UQE7	790	DLLSQLS LEDQKR
42140	Q9UQE7	864	VLTATT SELEAIN
42141	Q9UQE7	886	SELDNS IDKTEA
42142	Q9UQE7	948	KIRELG SLPQEAF
42143	Q9UQE7	961	EKYQTLS LKQLFR
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42145	Q9UQE7	1041	QVSKNF S EVFQKL
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42147	Q9UQE7	1077	GEGSGE SERGSGS
42148	Q9UQE7	1081	GESERG SG SQSSV
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42150	Q9UQE7	1085	RGSQSQ S VP SVD
42151	Q9UQE7	1089	SQSSVPS VDQFTG
42152	Q9UQE7	1101	GVGIRV S FTGKQG
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42158	Q9UQF2	50	FEDEDL S EITDEC
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42161	Q9UQF2	147	GQSQQQS QGP GSG
42162	Q9UQF2	197	RVSRSSS PLKTGE
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42167	Q9UQF2	308	PTESRMS VSSDPD
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42169	Q9UQF2	320	DPAAYP S TAGRPH
42170	Q9UQF2	341	GFDCLSS PERAEP
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42172	Q9UQF2	372	SLSSDT S ALSYDS
42173	Q9UQF2	375	SDTSALS YDSVKY
42174	Q9UQF2	395	AQLELV S LRPCFG
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42176	Q9UQF2	420	DNCASV S SPYESA
42177	Q9UQF2	421	NCASVSS SPYESAI
42178	Q9UQF2	561	AALAKN S DWVDQF
42179	Q9UQF2	574	RVKFLGS VQVPYH

42180	Q9UQF2	607	VHFNP <small>P</small> PSCVLEI
42181	Q9UQF2	608	HFNPPSSCVLEIS
42182	Q9UQF2	614	SCVLEISVRGVKI
42183	Q9UQF2	627	GVKADDSQEAKG <small>N</small>
42184	Q9UQF2	645	FQLKNISFCGYHP
42185	Q9UQF2	676	ACHVFVS <small>E</small> DSTKA
42186	Q9UQL6	11	NESDGMSGREPSL
42187	Q9UQL6	24	EILPRTS <small>L</small> HHSIPV
42188	Q9UQL6	44	LPRAMPSMGGGG
42189	Q9UQL6	193	LQEFLLSKSKEPT
42190	Q9UQL6	195	EFLLSKS <small>K</small> EPTPG
42191	Q9UQL6	279	VAERRSSPLLRRK
42192	Q9UQL6	308	GAGPGASVCNSA
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42194	Q9UQL6	313	ASSVCNSAPGSGP
42195	Q9UQL6	317	CNSAPGSGPSSPN
42196	Q9UQL6	321	PGSGPSSPNSSHS
42197	Q9UQL6	356	RALPLDSSPNQFS
42198	Q9UQL6	362	SSPNQFSLYTSPS
42199	Q9UQL6	373	PSLPNISLGLQAT
42200	Q9UQL6	390	NSHLTASPKLSTQ
42201	Q9UQL6	421	GKFMSTS <small>S</small> IPGCL
42202	Q9UQL6	494	PRHRPLSRTQSSP
42203	Q9UQL6	499	LSRTQSSPLPQSP
42204	Q9UQL6	504	SSPLPQS <small>P</small> QALQQ
42205	Q9UQL6	579	REGSTESESTQED
42206	Q9UQL6	631	GYKKLFS <small>D</small> AQPLQ
42207	Q9UQL6	725	QETGLLSK <small>C</small> ERIR
42208	Q9UQL6	837	GHAAEES <small>T</small> AMGFC
42209	Q9UQL6	847	GFCFFNSVAITAK
42210	Q9UQL6	886	AFYNDPSVLYISL
42211	Q9UQL6	891	PSVLYISLHRYDN
42212	Q9UQL6	904	GNFFPGSGAPEEV
42213	Q9UQL6	1015	TAICDAEACVSA
42214	Q9UQL6	1024	CVSALLSVELQPL
42215	Q9UQL6	1093	SAMALLS <small>V</small> GAEQA
42216	Q9Y230	26	ERIGAHSHIRGLG
42217	Q9Y230	43	LEPRQASQGMVGQ
42218	Q9Y230	106	FTAIAGSEIFSLE
42219	Q9Y230	110	AGSEIFSLEMSKT
42220	Q9Y230	114	IFSLEMSKTEALT
42221	Q9Y230	126	TQAFRRS <small>I</small> GVRIK
42222	Q9Y230	156	PATGTGS <small>K</small> VGKLT
42223	Q9Y230	181	GTKMIESLTKDKV
42224	Q9Y230	203	KATGKISKLGRSF
42225	Q9Y230	208	ISKLGRSFTRARD
42226	Q9Y230	220	DYDAMGSQTKFVQ
42227	Q9Y230	243	EVVHTVSLHEIDV
42228	Q9Y230	252	EIDVINSRTQGFL
42229	Q9Y230	262	GFLALFSGDTGEI
42230	Q9Y230	270	DTGEIKSEVREQI
42231	Q9Y230	308	HMLDIESFSFLNR
42232	Q9Y230	310	LDIESFSFLNRAL
42233	Q9Y230	318	LNRALES <small>D</small> MAPVL
42234	Q9Y230	339	TRIRGTSYQSPHG
42235	Q9Y230	342	RGTSYQSPHG <small>I</small> PI
42236	Q9Y230	358	DRLLIVSTTPYSE
42237	Q9Y230	363	VSTTPYSEKDTKQ

42238	Q9Y230	383	EEDVEMSEDAYTV
42239	Q9Y230	398	RIGLETS L RYAIQ
42240	Q9Y230	410	QLITAAS L VCRKR
42241	Q9Y230	431	DIKRVYS L FIDES
42242	Q9Y230	437	SLFLIDESRSTQYM
42243	Q9Y230	439	FLDESRSTQYMKE
42244	Q9Y232	14	RSAWGKS R KKNWQ
42245	Q9Y232	36	LKRNNVSAPDGPS
42246	Q9Y232	45	DG PSDPSISVSSE
42247	Q9Y232	47	PSDPSISVSSEQS
42248	Q9Y232	49	DPSISVSSEQSGA
42249	Q9Y232	50	PSISVSSEQSGAQ
42250	Q9Y232	53	SVSSEQSGAQPP
42251	Q9Y232	88	RWKGYDSEDDTWE
42252	Q9Y232	129	TRTNRTSPNNARK
42253	Q9Y232	140	RKQISRS T TNSNFS
42254	Q9Y232	146	STNSNFS K TSPKA
42255	Q9Y232	149	SNFSKTS P KALVI
42256	Q9Y232	182	NTAPSLSSRKNMND
42257	Q9Y232	183	TAPSLSSRKNMDL
42258	Q9Y232	201	KILVPKS P VKSRT
42259	Q9Y232	205	PKSPVKS R TAVDG
42260	Q9Y232	214	AVDGFQSESPEKL
42261	Q9Y232	216	DGFQSESPEKLD P
42262	Q9Y232	256	ERARMGS R PRIHP
42263	Q9Y232	287	VNGKGTSPFMDAL
42264	Q9Y232	304	TTNIQT S VTGVTA
42265	Q9Y232	331	DKRLRFSVRQTES
42266	Q9Y232	337	SVRQTES S AYRYRD
42267	Q9Y232	358	FTHILLS T KSSEN
42268	Q9Y232	361	ILLSTKS S NNNSL
42269	Q9Y232	380	EVQSALS T AAADD
42270	Q9Y232	393	SKLVLLS S AVGSVF
42271	Q9Y232	397	LLSAVG S VFCGCL
42272	Q9Y232	481	YTTFGQSPDGCST
42273	Q9Y232	486	QSPDGC S TVMFPK
42274	Q9Y232	498	KIMGGAS A NEMLL
42275	Q9Y232	551	PVVLEES K ALVRC
42276	Q9Y232	580	LKKIWGS A QGMDS
42277	Q9Y233	8	RIEERKS Q HLTGL
42278	Q9Y233	24	KVKAYLS L HPQVL
42279	Q9Y233	37	DEFVSE S VSAETV
42280	Q9Y233	39	FVSE S VSAETVEK
42281	Q9Y233	54	KRKNNK S EDESAP
42282	Q9Y233	58	NKSEDES S APKEVS
42283	Q9Y233	80	VVYELNS Y IEQRL
42284	Q9Y233	101	LLYELSS I IKIAT
42285	Q9Y233	123	LGECNNS L CIFTP
42286	Q9Y233	152	TQGTTV S AYVAKS
42287	Q9Y233	181	RGTGLES G TRIQS
42288	Q9Y233	187	SGTRIQS V LCLPI
42289	Q9Y233	218	KEAFCLS H QEVT
42290	Q9Y233	269	NIVADS L LEHIM
42291	Q9Y233	301	KNKELY S DLFDIG
42292	Q9Y233	325	TKEIRFS I EKGIA
42293	Q9Y233	374	LCMPIV S RGSVIG
42294	Q9Y233	389	QMVNKI S GSAFSK
42295	Q9Y233	391	VNKIS G SAFSKTD

42296	Q9Y233	424	YHRIRHSECIYRV
42297	Q9Y233	436	VTMEKLSYHSICT
42298	Q9Y233	443	YHSICTSEEWQGL
42299	Q9Y233	487	VYMVHRS CGTSCF
42300	Q9Y233	563	HRGFSNSYLQKFD
42301	Q9Y233	577	PLAALYS TSTM EQ
42302	Q9Y233	587	MEQHHF QTVSIL
42303	Q9Y233	602	EGHNI FSTLSSSE
42304	Q9Y233	605	NIFSTLSSSEYEQ
42305	Q9Y233	606	IFSTLSSSEYEQV
42306	Q9Y233	650	LNLNNQSHDRVI
42307	Q9Y233	750	ACRDNL SQWEKVI
42308	Q9Y233	766	ETATWI SPSVAQ
42309	Q9Y233	767	TATWISSPSVAQK
42310	Q9Y237	9	PKGKSGS GKAGKG
42311	Q9Y237	21	GGAASGS DSADKK
42312	Q9Y237	23	AASGSDS ADKKAQ
42313	Q9Y237	60	AMEKLKS GMRFNE
42314	Q9Y237	72	EVAAQY SEDKARQ
42315	Q9Y237	89	GWMTRGS MVGPFQ
42316	Q9Y237	104	AFALPV SGMDKP V
42317	Q9Y241	8	STDTGVSLPSYEE
42318	Q9Y241	11	TGVSLPS YEE DQG
42319	Q9Y241	18	YEEDQGS KLIRKA
42320	Q9Y241	50	GLYKLKS RGNTKM
42321	Q9Y241	57	RGNTKMS IHЛИHM
42322	Q9Y241	82	TVGMGY S MYREFW
42323	Q9Y259	11	ATAVAGS GAVGGC
42324	Q9Y259	26	KDGLQQSKCPDTT
42325	Q9Y259	39	PKRRRAS SLSRDA
42326	Q9Y259	40	KRERRASS LSRDAE
42327	Q9Y259	42	RRASSLS RDAERR
42328	Q9Y259	75	LRVYPV SGGLSNL
42329	Q9Y259	79	PVSGGLS NLLFRC
42330	Q9Y259	86	NLLFRC SLPDHLP
42331	Q9Y259	93	LPDHLPS VGEEPR
42332	Q9Y259	115	ILQGVDS LVLESV
42333	Q9Y259	120	DSLVL E SVMFAIL
42334	Q9Y259	130	AILAERS LGPQLY
42335	Q9Y259	150	LEQYIPS RPLKTQ
42336	Q9Y259	164	LREPVL SAAIATK
42337	Q9Y259	217	NLLEMYS LKDEMG
42338	Q9Y259	231	LRKLLE STPSPVV
42339	Q9Y259	234	LLESTPS PVVFCH
42340	Q9Y259	252	GNILL S E PENAD
42341	Q9Y259	259	E PENAD S LMLVDF
42342	Q9Y259	268	LVDFEY S SYNYRG
42343	Q9Y259	269	VDFEYSS SYNYRGF
42344	Q9Y259	327	KKGETLS QEEQRK
42345	Q9Y259	343	DLLVEV S RYALAS
42346	Q9Y259	349	SRYALAS HFFWGL
42347	Q9Y259	357	FFWGLWS ILQASM
42348	Q9Y259	362	WSILQAS M STIEF
42349	Q9Y259	364	I ILQASM STIEFGY
42350	Q9Y259	376	YLDYAQS RFQFYF
42351	Q9Y262	10	PADDYE SE AAYDP
42352	Q9Y262	21	DPYAYPS DYDMHT
42353	Q9Y262	64	YFHKT VSDLIDQK

42354	Q9Y262	77	VYELQASRVSSDV
42355	Q9Y262	80	LQASRVS S DVIDQ
42356	Q9Y262	81	QASRV S DVIDQK
42357	Q9Y262	98	QDIYENS T KLTE
42358	Q9Y262	149	KVSGG P SLEQRFE
42359	Q9Y262	196	FIYQFQSFSQYRC
42360	Q9Y262	198	YQFQSFSQYRCKT
42361	Q9Y262	208	CKTAKK S EEEIDF
42362	Q9Y262	217	EIDFLRS N PKIWN
42363	Q9Y262	226	KIWNVH S VLNVLH
42364	Q9Y262	238	HSLVDK S NINRQL
42365	Q9Y262	249	QLEVYT S GGDPES
42366	Q9Y262	255	SGGD P E S VAGEYG
42367	Q9Y262	264	GEYGRH S LYKMLG
42368	Q9Y262	273	KMLGYF S LVGLLR
42369	Q9Y262	282	GLLRLH S LLGDYY
42370	Q9Y262	303	IELNKK S MYSRVP
42371	Q9Y262	306	NKKSMY S RVPECQ
42372	Q9Y262	348	YIQRTK S MFQRTT
42373	Q9Y262	385	PMRID E SIHLQLR
42374	Q9Y262	414	VYEELF S YSCP K F
42375	Q9Y262	416	EELFSYS C PKFLS
42376	Q9Y262	422	SCP K FLS P VVPNY
42377	Q9Y262	448	QQLKVFS D E V QQQ
42378	Q9Y262	458	QQQAQL S TIRSFL
42379	Q9Y262	462	QLSTIRSFLKLYT
42380	Q9Y262	504	KNLVWT S GISALD
42381	Q9Y262	507	VWTSGISALDGEF
42382	Q9Y262	515	LDGEFQ S A S EVD F
42383	Q9Y262	517	GEFQSAS E VDFYI
42384	Q9Y266	34	LVNTFFS F LRRKT
42385	Q9Y266	60	LITQTFS H HNQLA
42386	Q9Y266	97	LAKEAK S ETSGPQ
42387	Q9Y266	100	EAKSET S GPQIKE
42388	Q9Y266	136	AQLKNG S LDSPGK
42389	Q9Y266	179	RWTQTL S ELDLAV
42390	Q9Y266	231	EVKVEE S SWLIED
42391	Q9Y266	232	VKVEESSW L IEDG
42392	Q9Y266	255	NKMEWWS R LVSSD
42393	Q9Y266	259	WWSRLV S SDPEIN
42394	Q9Y266	260	WSRLV S SDPEINT
42395	Q9Y266	277	PENSKL S DLDSET
42396	Q9Y266	281	KLSDL D SETRSMV
42397	Q9Y266	285	LDSETR S MVEKMM
42398	Q9Y266	298	YDQRQKS M GLPTS
42399	Q9Y266	304	SMGLPTS D E Q KKQ
42400	Q9Y272	13	IKKMCPS D SELSI
42401	Q9Y272	15	KMCPSD S ELSIPA
42402	Q9Y272	18	PSDSELS I PAKNC
42403	Q9Y272	32	RMVILGS S KGK T A
42404	Q9Y272	33	MVILGSS K VGKTA
42405	Q9Y272	42	GKTAIVS R FLTGR
42406	Q9Y272	66	FHRKFYS I RGEVY
42407	Q9Y272	80	LDILDTS G NHPFP
42408	Q9Y272	92	PAMRRLS I LTGDV
42409	Q9Y272	104	VFILVFS L DNRDS
42410	Q9Y272	110	SLDNRDS F EEVQR
42411	Q9Y272	126	QILD T K S CLKNKT

42412	Q9Y272	177	CAYFEISAKKNSS
42413	Q9Y272	182	ISAKKNSSLDQMFR
42414	Q9Y272	183	SAKKNSSLDQMFR
42415	Q9Y272	199	AMAKLPSEMSPDL
42416	Q9Y272	202	KLPSEMSPDLHRK
42417	Q9Y272	210	DLHRKVSVQYCDV
42418	Q9Y272	232	KLLRAGSGGGGGD
42419	Q9Y272	254	PFARRPSVHSDLM
42420	Q9Y272	257	RRPSVHS D MYIR
42421	Q9Y272	267	YIREKASAGSQAK
42422	Q9Y272	270	EKASAGSQAKDKE
42423	Q9Y283	13	LLFAGSSLASQVH
42424	Q9Y283	38	RLIVGNSALKDKE
42425	Q9Y283	126	LTTRHRS P KCLAL
42426	Q9Y283	173	LLIKHDSNIGIPD
42427	Q9Y283	212	DAAPTES S NNWQD
42428	Q9Y283	280	LLERNKSGTIPSD
42429	Q9Y283	318	PSVKDDSDLEGRT
42430	Q9Y283	325	DLEGRTSFMWAAAG
42431	Q9Y283	371	ALSGHVSTVKLLL
42432	Q9Y283	425	VDQDGHSLLHWAA
42433	Q9Y283	614	QQKGRRSPDSCRP
42434	Q9Y283	634	STQDVPSRQSRAP
42435	Q9Y283	637	DVPSRQSRAPSKQ
42436	Q9Y283	661	PRDSRGSPGGSLG
42437	Q9Y283	665	RGSPGGSLGGALQ
42438	Q9Y283	678	KEQHVSSDLQGTN
42439	Q9Y283	685	DLQGTNSRRPNET
42440	Q9Y283	714	NEGSDGSRHPGV
42441	Q9Y283	721	RHPGVPSVEKSRG
42442	Q9Y283	725	VPSVEKS R GETAG
42443	Q9Y283	760	DEKGEDSRRAAAS
42444	Q9Y283	766	SRRAAASLPPHDS
42445	Q9Y283	772	SLPPHDSHWKPSR
42446	Q9Y283	804	LRGGRCSPAGSSR
42447	Q9Y283	808	RCSPAGSSRPGSA
42448	Q9Y283	809	CSPAGSSRPGSAR
42449	Q9Y283	851	YSHLPQSSTEELRS
42450	Q9Y283	888	GPLSGQSVNIDILL
42451	Q9Y283	929	IQRAWSYQLRKH
42452	Q9Y283	937	QLRKHLSHLRHMK
42453	Q9Y283	991	SPSKGTSGTKSTK
42454	Q9Y283	1008	KQIYGCSHEGKI
42455	Q9Y283	1043	IHLLENSGRSKNF
42456	Q9Y285	17	LRRLEASDGGLDS
42457	Q9Y285	23	SDGGLDSAELAAE
42458	Q9Y285	43	VVGAVKSLQALGE
42459	Q9Y285	57	IEAELRS T KHWEL
42460	Q9Y285	75	EIAREGSHEARVF
42461	Q9Y285	83	EARVFRS I PPEG
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42463	Q9Y285	99	ELMRLPSGKVGF
42464	Q9Y285	105	SGKVGFSKAMSNK
42465	Q9Y285	109	GFSKAMSNKWIRV
42466	Q9Y285	118	WIRVDKS A ADGPR
42467	Q9Y285	157	LGEKERS E LRKRK
42468	Q9Y285	179	YWVSKGSAFSTS I
42469	Q9Y285	184	GSAFSTS I ISKQET

42470	Q9Y285	186	AFSTSIS K QETEL
42471	Q9Y285	193	KQETEL S PEMISS
42472	Q9Y285	198	LSPEMIS S GWRD
42473	Q9Y285	201	EMISSG S WRDRPF
42474	Q9Y285	221	HGVLPDS G HLHPL
42475	Q9Y285	232	PLLKVR S QFRQIF
42476	Q9Y285	254	TDNFIES S FWNFD
42477	Q9Y285	255	DNFIESS F WNFDA
42478	Q9Y285	301	RVKRTH S QGGYGS
42479	Q9Y285	307	SQGGYGS Q GYKYN
42480	Q9Y285	330	LRTHTTS A SARAL
42481	Q9Y285	332	THTTS A SARALYR
42482	Q9Y285	352	TPVKYFS I DRVFR
42483	Q9Y285	416	NPYTEPS M EVFSY
42484	Q9Y285	421	PSMEVFS Y HQGLK
42485	Q9Y285	435	WVEVGNS G VFRPE
42486	Q9Y285	453	GLPENV S VIAGL
42487	Q9Y285	460	VIAGL S LERPTM
42488	Q9Y285	490	LQMVYD S PLCRLD
42489	Q9Y294	16	VVLNDNPS P FYNPF
42490	Q9Y294	35	ECIEDL S EDLEWK
42491	Q9Y294	47	KIIYVG S AESEYY
42492	Q9Y294	50	YVGSAE S EEYDQV
42493	Q9Y294	59	YDQVLDS V LVGPV
42494	Q9Y294	133	PVKPDF S KLQRNI
42495	Q9Y294	142	QRNILAS N PRVTR
42496	Q9Y294	165	KLEDAE S SNPNLQ
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42499	Q9Y294	175	NLQSL S TDALPS
42500	Q9Y294	181	STDALPS A SKGWS
42501	Q9Y294	183	DALPS A SKGWSTS
42502	Q9Y294	187	SASKGW S TSENSL
42503	Q9Y294	189	SKGWST S ENSLNV
42504	Q9Y295	74	GFVGFP S VGKSTL
42505	Q9Y295	78	FPSVGK S TLLSNL
42506	Q9Y295	82	GKSTLL S NLAGVY
42507	Q9Y295	89	NLAGVY S EVAAYE
42508	Q9Y295	174	FGIRLN S KPPNIG
42509	Q9Y295	198	TATCPQ S ELDAET
42510	Q9Y295	207	DAETVK S ILAELYK
42511	Q9Y295	223	ADVTLRS D ATAADD
42512	Q9Y295	254	NKIDQ I SIEELDI
42513	Q9Y295	271	PHCVP I SAHHRW
42514	Q9Y295	307	QLPDYT S PVVL
42515	Q9Y295	314	PVVL P YSRTTVED
42516	Q9Y295	342	ALVWGL S VKHNPQ
42517	Q9Y2I7	47	PFKSAY S SFVNLF
42518	Q9Y2I7	81	TSPQLP S RTQSVR
42519	Q9Y2I7	274	DDLAWQ S LIHPDS
42520	Q9Y2I7	305	SPARNR S ASITNL
42521	Q9Y2I7	445	LQSTEF S ETPS
42522	Q9Y2I7	465	EGHSEPS W FKDIK
42523	Q9Y2I7	505	SVSSFQ S TVDS
42524	Q9Y2I7	509	FQSTV D DSAASI
42525	Q9Y2I7	550	QKEYL I SDTGGQQ
42526	Q9Y2I7	558	TGGQQ L SISDAFI
42527	Q9Y2I7	560	GQQ L SISDAFIKE

42528	Q9Y2I7	610	AMERLLSANHNHM
42529	Q9Y2I7	697	AHKMSSCIKNPK
42530	Q9Y2I7	845	IKLRGGSDYELAR
42531	Q9Y2I7	978	FAPVPESSLPLPV
42532	Q9Y2I7	1076	EKGMRCSSTRDYFA
42533	Q9Y2I7	1130	SIQVLPSHELVST
42534	Q9Y2I7	1167	RIQPKNSDPFAHS
42535	Q9Y2I7	1204	LSDAVWSTKVDCL
42536	Q9Y2I7	1230	SSAQSSNAPSAC
42537	Q9Y2I7	1271	PSYQCPSMFCDTP
42538	Q9Y2I7	1332	VALSNEWSMSFA
42539	Q9Y2I7	1379	YNQMVASFSYSPI
42540	Q9Y2I7	1572	SSQSSTSSTHLQL
42541	Q9Y2I7	1602	LDTASSSEDVFDG
42542	Q9Y2I7	1704	EGLPTNSTSDSRP
42543	Q9Y2I7	1712	SDSRPKSSSPIRL
42544	Q9Y2I7	1852	IRSLSHSPWQAR
42545	Q9Y2I7	2004	LRTSIHSDSHFLS
42546	Q9Y2I7	2010	SDSHFLSSHЛИD
42547	Q9Y2I7	2027	VGRDDTSNELVVG
42548	Q9Y2K2	167	LKTWCGPSPPYAAP
42549	Q9Y2K2	397	DEGEEPSPEALVR
42550	Q9Y2K2	493	PLGRRASDGGANI
42551	Q9Y2K2	545	DQEAVQSTYKDS
42552	Q9Y2K2	573	FSDGAASIQAFKA
42553	Q9Y2K2	672	RLRIQPSSPPPNNH
42554	Q9Y2K2	690	FRQPSNSPPPMSS
42555	Q9Y2K2	696	SPPPMSSAMIQPH
42556	Q9Y2K2	717	QGLPSRSIAIFQQQ
42557	Q9Y2K2	746	MQQPAQSQQVTIQ
42558	Q9Y2K2	778	GRGISISPSAGQM
42559	Q9Y2K2	808	PLSKQLSADSSEA
42560	Q9Y2K2	823	LNVNRFSpanyDQ
42561	Q9Y2K2	846	QSRGSPSSYSPST
42562	Q9Y2K2	847	SRGSPSSYSPSTG
42563	Q9Y2K2	920	LLSPRHSLTGHSD
42564	Q9Y2K2	925	HSLTGHSDIRLPP
42565	Q9Y2K2	975	AGSLAPSLGQSM
42566	Q9Y2K2	1000	SYHHHTSPQHLLQ
42567	Q9Y2K2	1018	CVSQASSPTPPHG
42568	Q9Y2K2	1056	FQDSKSSSTLTKG
42569	Q9Y2K2	1057	QDSKSSSTLTKG
42570	Q9Y2K2	1080	GPGDPESLLGTVS
42571	Q9Y2K2	1086	SLLGTVSHAQELG
42572	Q9Y2K2	1105	QPTAAFSKNKVPS
42573	Q9Y2K2	1111	SKNKVPSREPVIIG
42574	Q9Y2K2	1123	GNCMDRSSPGQAV
42575	Q9Y2K2	1185	VAGKALSARMED
42576	Q9Y2K2	1202	QSSLMGSQQFQDG
42577	Q9Y2K2	1216	NEECGASLGGEH
42578	Q9Y2K2	1226	HEHPDLSDGSQHL
42579	Q9Y2K2	1234	GSQHLNSSCYPST
42580	Q9Y2K2	1248	ITDILLSYKHPEV
42581	Q9Y2N7	19	ELRKEKSRRDAARS
42582	Q9Y2N7	25	SRDAARSRRSQET
42583	Q9Y2N7	48	PFARGVSAHLDKA
42584	Q9Y2N7	55	AHLDKASIMRLTI
42585	Q9Y2N7	110	GDMAYLSENVSKH

42586	Q9Y2N7	128	LELIGHSIFDFIH
42587	Q9Y2N7	152	TPQQTLSRRKVEA
42588	Q9Y2N7	170	FSLRMKS T LTSRG
42589	Q9Y2N7	174	MKSTLT S RGRTLN
42590	Q9Y2N7	192	WKVLNC S GHMRAY
42591	Q9Y2N7	212	PAGSPD S E P PLQC
42592	Q9Y2N7	243	GRGAFLS R HSLDM
42593	Q9Y2N7	265	AEVAGYS P D L IG
42594	Q9Y2N7	273	DDLIGCSAYEYIH
42595	Q9Y2N7	283	YIHALDSDAVSKS
42596	Q9Y2N7	287	LDSDAV S KSIHTL
42597	Q9Y2N7	324	TQATVVSGGRGPQ
42598	Q9Y2N7	331	GGRGPQ S ESIVCV
42599	Q9Y2N7	342	CVHFLISQVEETG
42600	Q9Y2N7	352	ETGVVLSLEQTEQ
42601	Q9Y2N7	442	ATRHPQSPLSADL
42602	Q9Y2N7	465	VHRLFTSGKDTEA
42603	Q9Y2N7	538	PPALEPS L PRWG
42604	Q9Y2N7	545	LLPRWGS D PRLSC
42605	Q9Y2N7	553	PRLSCSS P SRGD P
42606	Q9Y2N7	555	LSCSSPSRGDPSA
42607	Q9Y2N7	562	RGDPSAS S PMAGA
42608	Q9Y2N7	563	GDPSASS S PMAGAR
42609	Q9Y2N7	577	RTLAQSSEDEDEG
42610	Q9Y2N7	609	FLLFPLSLSFLLT
42611	Q9Y2N7	642	PLGLGP S LLSPYS
42612	Q9Y2N7	645	LGPSLLSPYSDED
42613	Q9Y2N7	648	SLLSPYSDEDTTQ
42614	Q9Y2R2	69	ILPYDYSRVELSL
42615	Q9Y2R2	78	ELSLITSDEDSSY
42616	Q9Y2R2	201	DHDVPSSIDPILE
42617	Q9Y2R2	220	CYQEDDSVPICIH
42618	Q9Y2R2	260	ENFSVF S LIREMR
42619	Q9Y2R2	271	MRTQRPSLVQTQE
42620	Q9Y2R2	325	LQADSYSPNL P KS
42621	Q9Y2R2	331	SPNLPK S TTKA A K
42622	Q9Y2R2	374	VLHPAKSSTS F DF
42623	Q9Y2R2	386	FLELNYSFDKNAD
42624	Q9Y2R2	426	LLFEGCSNSKPVN
42625	Q9Y2R2	494	KVMHVSSAELNYS
42626	Q9Y2R2	538	VENPYFSSWPPSG
42627	Q9Y2R2	539	ENPYFSSWPPSGT
42628	Q9Y2R2	547	PPSGTSSKMSLDL
42629	Q9Y2R2	571	SLLPTSS T SLFSY
42630	Q9Y2R2	580	LFSYYN S HDSL S L
42631	Q9Y2R2	593	NSPTNISSLLNQE
42632	Q9Y2R2	644	VPKSLSSAVKV K I
42633	Q9Y2R2	660	LEWGGT S EPKKFD
42634	Q9Y2R2	668	PKKFDDSVILRPS
42635	Q9Y2R2	674	SVILRPSKSVKL R
42636	Q9Y2R2	676	ILRPSK S VKL R SP
42637	Q9Y2R2	691	ELHQDRS S PPPPL
42638	Q9Y2R2	704	PERTLESFFLADE
42639	Q9Y2R2	722	QSIETY S TSYPDT
42640	Q9Y2R2	724	IETYSTSYPDTME
42641	Q9Y2R2	734	TMENSTS S SKQTLK
42642	Q9Y2R2	749	GKSFRTRSKSLKIL
42643	Q9Y2R2	777	PAESVQ S NNSSSF

42644	Q9Y2R2	793	GFANRF S KPKGPR
42645	Q9Y2S0	12	ELERKIS S GLKTSM
42646	Q9Y2S0	17	ISGLKT S MAEGER
42647	Q9Y2S0	54	DHTLGN S LRYMIM
42648	Q9Y2S0	76	YTTTHP S ESKINL
42649	Q9Y2S0	78	TTHPSE S KINLRI
42650	Q9Y2S0	117	LDKFEAS I KDYKD
42651	Q9Y2V2	17	PPTHQ A SVGLLDT
42652	Q9Y2V2	26	LLDTPRS R ERSPS
42653	Q9Y2V2	58	SATVRAS Q GPVYK
42654	Q9Y2V2	73	CKCFCRS K GHGFI
42655	Q9Y2V2	93	DIFLH I S DVEGEY
42656	Q9Y2V2	113	VTYKM C SIPPKNE
42657	Q9Y2W1	20	SRSRSA S RSRSRS
42658	Q9Y2W1	49	RRLSSRS R RSRSYS
42659	Q9Y2W1	109	GYGNYR S NWQNYR
42660	Q9Y2W1	119	NYRQAY S PRRGRS
42661	Q9Y2W1	159	RSRRSS S SRSSSN
42662	Q9Y2W1	190	SKDSRPsQAAGDN
42663	Q9Y2W1	207	AKEQTFS G GTSQD
42664	Q9Y2W1	211	TFSGGT S QDTKAS
42665	Q9Y2W1	217	SQDTKA S ESSKPW
42666	Q9Y2W1	219	DTKASE S SKPWPD
42667	Q9Y2W1	220	TKASESS K PWPDA
42668	Q9Y2W1	264	VVVRRRS P RPSPV
42669	Q9Y2W1	308	FDHGSG S LSPSKK
42670	Q9Y2W1	330	TGSTYGS S QKEES
42671	Q9Y2W1	331	GSTYG S SQKEESA
42672	Q9Y2W1	336	SSQKEES A ASGGA
42673	Q9Y2W1	392	GKMKSD S FAPKTD
42674	Q9Y2W1	444	AKGRKE S EFDDEP
42675	Q9Y2W1	499	ESFPERS K KEDRG
42676	Q9Y2W1	508	EDRGKR S EGGHRG
42677	Q9Y2W1	600	CRDLVH S NKKEQE
42678	Q9Y2W1	619	HIQSAQS Q RPSE
42679	Q9Y2W1	777	RRARDRS R SSSSS
42680	Q9Y2W1	780	RDRSRSS S SSSQS
42681	Q9Y2W1	784	RSSSSSS Q SSHSHY
42682	Q9Y2W1	786	SSSSSQ S SHSYKA
42683	Q9Y2W1	789	SSQSSH S YKAEY
42684	Q9Y2W1	823	KDFVG P SERGGGR
42685	Q9Y2W1	916	RFMFRKS S STSPKW
42686	Q9Y2W1	917	FMFRKS S STSPKWA
42687	Q9Y2W7	11	KEVTKA S DGSLLG
42688	Q9Y2W7	14	TKASDGS S LLGDLG
42689	Q9Y2W7	25	LGHTPL S KKEGIK
42690	Q9Y2W7	38	WQRPRL S RQALMR
42691	Q9Y2W7	53	LVKWIL S STAPQG
42692	Q9Y2W7	54	VKWIL S STAPQGS
42693	Q9Y2W7	60	STAPQ G S DSSDSE
42694	Q9Y2W7	62	APQGSD S SDSELE
42695	Q9Y2W7	65	GSDSSD S ELELST
42696	Q9Y2W7	70	DSELEL S TVRHQP
42697	Q9Y2W7	95	TKKELQ S LYRGFK
42698	Q9Y2W7	156	DFVVGL S ILLRGT
42699	Q9Y2W7	193	MLAIM K S IYDMMG
42700	Q9Y2W7	247	KDENIM S SMQLFE
42701	Q9Y2W7	248	DENIM S SMQLFEN

42702	Q9Y2Z0	11	AAGTAT S QRFFQS
42703	Q9Y2Z0	17	SQRFF Q SFSDALI
42704	Q9Y2Z0	19	RFFQSF S DALIDE
42705	Q9Y2Z0	71	VADAKK S LELNPN
42706	Q9Y2Z0	79	ELNPNN S TAMLRK
42707	Q9Y2Z0	127	GLQLLT S SDPPAL
42708	Q9Y2Z0	128	LQLLT S DPPALD
42709	Q9Y2Z0	135	DPPALD S QSAGIT
42710	Q9Y2Z0	137	PALDS Q SAGITGA
42711	Q9Y2Z0	148	GADANF S VWIKRC
42712	Q9Y2Z0	161	QEAQNG E SEEVWT
42713	Q9Y2Z0	163	AQN G SESEVWTHQ
42714	Q9Y2Z0	170	EVWTH Q SKIKYDW
42715	Q9Y2Z0	181	DWYQTE S QVVITL
42716	Q9Y2Z0	202	DVNVEF S EKEELSA
42717	Q9Y2Z0	207	FSEKEL S ALVKLP
42718	Q9Y2Z0	214	ALVKLP S GEDYNL
42719	Q9Y2Z0	233	PIIPEQ S TFKVLS
42720	Q9Y2Z0	239	STFKV L STKIEIK
42721	Q9Y2Z0	279	VKNLYP S SSPYTR
42722	Q9Y2Z0	280	KNLYP S SSPYTRN
42723	Q9Y2Z0	318	LFQQIY S DGSDEV
42724	Q9Y2Z0	321	QIYSDG S DEVKRA
42725	Q9Y2Z0	335	NKSFM E GGTVLS
42726	Q9Y2Z0	341	SGGTVL S TNWSDV
42727	Q9Y2Z0	345	VLSTNWS D VGKRK
42728	Q9Y365	21	PVLGRE S VQVPDD
42729	Q9Y365	32	DDQDFRS F RSECE
42730	Q9Y365	35	DFRSFR S ECEAEV
42731	Q9Y365	48	GWNLTY S RAGVSV
42732	Q9Y365	53	YSRAGV S VWVQAV
42733	Q9Y365	97	YRKKWD S NVIETF
42734	Q9Y365	118	ADVGY Y SWRCPKP
42735	Q9Y365	135	DVITLR S WLPMGA
42736	Q9Y365	149	YIIMNY S VKHPKY
42737	Q9Y365	166	DLVRAV S IQTGYL
42738	Q9Y365	175	TGYLIQ S TGPKSC
42739	Q9Y365	180	QSTGPK S CVITYL
42740	Q9Y365	194	QVDPKG S LPKWVV
42741	Q9Y365	203	KWVVNK S SQFLAP
42742	Q9Y365	204	WVVNKS S QFLAPK
42743	Q9Y365	242	WLHPEQ S PLPSLA
42744	Q9Y365	246	EQSPLP S LALSEL
42745	Q9Y365	250	LPSLALS E LSVQH
42746	Q9Y365	266	LENIDESAVAESR
42747	Q9Y365	271	ESAVAESREERMG
42748	Q9Y371	20	DAGTFL S RAVQFT
42749	Q9Y371	47	HLENLL S KAECTK
42750	Q9Y371	89	LDRKAPS R INNPE
42751	Q9Y371	139	RELIQ T TSALNFLT
42752	Q9Y371	190	AAETRNS S SEQELR
42753	Q9Y371	191	AETRNS S SEQELRI
42754	Q9Y371	200	ELRITQ S EFDRQA
42755	Q9Y371	217	LLLEG I SSTHAHH
42756	Q9Y371	218	LLEG I SSSTHAHHL
42757	Q9Y371	254	LQKQLG S FPSNYL
42758	Q9Y371	257	QLGSFPSNYLSNN
42759	Q9Y371	261	FPSNYL S NNNQTS

42760	Q9Y371	267	SNNNQT S VTPVPS
42761	Q9Y371	273	SVTPVPS S VLPNAI
42762	Q9Y371	281	LPNAIGS S AMAST
42763	Q9Y371	282	PNAIG S AMASTS
42764	Q9Y371	286	GSSAMAS T SGLVI
42765	Q9Y371	288	SAMAST S GLVITS
42766	Q9Y371	294	SGLVITS S PSNLSD
42767	Q9Y371	296	LVITSPS N LSDLK
42768	Q9Y371	299	TSPSNL S DLKECS
42769	Q9Y371	305	SDLKEC S GSRKAR
42770	Q9Y371	307	LKECS G SRKARVL
42771	Q9Y371	321	DYDAAN S TELSLL
42772	Q9Y371	325	ANSTEL S LLADEV
42773	Q9Y371	336	EVITVFS V VGMDS
42774	Q9Y371	342	SVVGMD S DWLMGE
42775	Q9Y383	18	DQLMGT S RDGDTT
42776	Q9Y383	31	RQRIF S DDRVCK
42777	Q9Y383	50	CPHDVLS G TRMDL
42778	Q9Y383	75	ADYEIAS K EQDFF
42779	Q9Y383	92	AMDHLQS F IACD
42780	Q9Y383	116	ETQEEIS A EVAAK
42781	Q9Y383	152	EGNVEES Q KVMDE
42782	Q9Y383	176	EEVYRN S MPASSF
42783	Q9Y383	180	RNSMPAS S FQQQK
42784	Q9Y383	181	NSMPASS F QQQKL
42785	Q9Y383	194	RVCEVC S AYLGLH
42786	Q9Y383	261	REKLRRS R SHSKN
42787	Q9Y383	263	KLRRRS R SHSKNPK
42788	Q9Y383	265	RRSRSH S KNPKRS
42789	Q9Y383	273	NPKRSRS R EHRHH
42790	Q9Y383	281	EHRRHRS R SMSRE
42791	Q9Y383	283	RRHRSRS M SRERK
42792	Q9Y383	285	HRSRSM S RERKRR
42793	Q9Y383	294	RKRRT R SKSREKR
42794	Q9Y383	307	HRHRSRS S SSRSRS
42795	Q9Y383	309	HRSRSSS R RSRSRS
42796	Q9Y383	311	SRSSSR S RSRSHQ
42797	Q9Y383	313	SSSRSRS R SHQRS
42798	Q9Y383	315	SRSRSRS H QRSRH
42799	Q9Y383	319	SRSHQRS R HSSRD
42800	Q9Y383	327	HSSRDRS R ERSKR
42801	Q9Y383	336	RSKRRSS S KERFRD
42802	Q9Y383	353	SCDRDRS S RDRSP
42803	Q9Y383	354	CDRDRS S RDRSPR
42804	Q9Y383	358	RSSRDRS S PRDRDR
42805	Q9Y383	378	ESANGR S EDRRSS
42806	Q9Y383	383	RSEDRRS S SEEREAA
42807	Q9Y383	384	SEDRRS S SEEREAG
42808	Q9Y3A5	41	KVVGWR S GVEKDL
42809	Q9Y3A5	55	EVLQTH S VFVNVS
42810	Q9Y3A5	61	SVFVN V KGQVAK
42811	Q9Y3A5	73	KKEDL I SAGTDD
42812	Q9Y3A5	96	KGEVQ V S D KERHT
42813	Q9Y3A5	143	MKDIHY S VKTNKS
42814	Q9Y3A5	149	SVKTN K STKQQAL
42815	Q9Y3A5	199	LIKVIE S EDYGQQ
42816	Q9Y3A5	233	ETKGKG S LEVNL
42817	Q9Y3C5	10	CLKSPT S DDISLL

42818	Q9Y3C5	14	PTSDDISLLHESQ
42819	Q9Y3C5	19	ISLLHESQSDRAS
42820	Q9Y3C5	21	LLHESQS DRASFG
42821	Q9Y3C5	25	SQSDRAS FGEGETE
42822	Q9Y3C5	54	VYHPTPS QTRLAT
42823	Q9Y3C5	92	DPGRDGSEKKIRE
42824	Q9Y3C5	133	DDWLMRSFTCPSC
42825	Q9Y3C5	138	RSFTCPSCMPEPVD
42826	Q9Y3D6	10	VLNELVS VEDLLK
42827	Q9Y3D6	23	FEKKFQSEKAAGS
42828	Q9Y3D6	29	SEKAAGSVSKSTQ
42829	Q9Y3D6	31	KAAGSVSKSTQFE
42830	Q9Y3D6	33	AGSVSKSTQFEYA
42831	Q9Y3D6	45	AWCLVRSKYNDI
42832	Q9Y3D6	66	ELLPKGSKEEQRD
42833	Q9Y3P8	18	CLWTLTSAAMSRG
42834	Q9Y3P8	22	LTSAAMS RGDNCT
42835	Q9Y3P8	37	LALGIPS ITQAWG
42836	Q9Y3P8	58	TLLFLISLAAHLS
42837	Q9Y3P8	64	SLAAHLS QWTRGR
42838	Q9Y3P8	71	QWTRGRSRSHPGQ
42839	Q9Y3P8	73	TRGRRSRSHPQGR
42840	Q9Y3P8	80	HPGQGRSGESVEE
42841	Q9Y3P8	83	QGRSGESVEEVPL
42842	Q9Y3P8	102	LQTGRLSQDPEPD
42843	Q9Y3P8	129	EVMCYTS LQLRPP
42844	Q9Y3P8	149	GTPVKYSEVVLDs
42845	Q9Y3P8	155	SEVVLDS EPKSQA
42846	Q9Y3P8	159	LDSEPKS QASGPE
42847	Q9Y3P8	162	EPKSQAS GPEPEL
42848	Q9Y3P8	171	EPELYAS VCAQTR
42849	Q9Y3P8	182	TRRARAS FPDQAY
42850	Q9Y3S1	300	KPKVLRSS WCRQIL
42851	Q9Y3S1	531	VKIVAKS IDRVA
42852	Q9Y3S1	646	LADAAPS PAQCVC
42853	Q9Y3S1	668	LPQSLPS LGAYQQ
42854	Q9Y3S1	705	FDPDAMS FAPVLP
42855	Q9Y3S1	835	PPPQYFS PAVILP
42856	Q9Y3S1	1021	PAATPGSQILLGH
42857	Q9Y3S1	1137	LPQSCES YGGSDV
42858	Q9Y3S1	1179	RSTRARS RQERAS
42859	Q9Y3S1	1185	SRQERAS RPRLTI
42860	Q9Y3S1	1294	GEESRQSQANAPV
42861	Q9Y3S1	1392	YKDQLSS KEQPSF
42862	Q9Y3S1	1397	SSKEQPS FLASQQ
42863	Q9Y3S1	1448	TMPEPAS GTASQA
42864	Q9Y3S1	1452	PASGTAS QAGGP
42865	Q9Y3S1	1470	TSELETS QPLAET
42866	Q9Y3S1	1608	VPTSSAS AGTPVE
42867	Q9Y3S1	1663	QPLVEKSELAPTR
42868	Q9Y3S1	1704	RQVASDS HVVPSV
42869	Q9Y3S1	1743	SAEPPPS DMGTVG
42870	Q9Y3S1	1798	DEWTLAS PHSLRY
42871	Q9Y3S1	1844	VGEPVSS DSGDEG
42872	Q9Y3S1	1846	EPVSSDS GDEGPR
42873	Q9Y3S1	1906	MKVPTIS VTFSH
42874	Q9Y3S1	1909	PTISVTFS HQSS
42875	Q9Y3S1	2058	SVRASLS SDICSG

42876	Q9Y3S1	2091	ERVTYKSSKPRA
42877	Q9Y3S1	2128	SSRSSTS L APGP
42878	Q9Y3S1	2129	SRSSTSS L APGPE
42879	Q9Y3S1	2230	PAPGPL S TTVI PG
42880	Q9Y3S1	2273	TACCGHS T QPRGG
42881	Q9Y3Z3	10	ADSEQPS K PRCD
42882	Q9Y3Z3	18	RPRCDD S RTPSN
42883	Q9Y3Z3	23	DSPRTPS N TPSAE
42884	Q9Y3Z3	27	TPSNTPS A EADWS
42885	Q9Y3Z3	33	SAEADWS P GLELH
42886	Q9Y3Z3	52	GPEQVCS F LRRGG
42887	Q9Y3Z3	84	LPCLDES R FENLG
42888	Q9Y3Z3	92	FENLGVS S LGERK
42889	Q9Y3Z3	93	ENLGVSS L GERKK
42890	Q9Y3Z3	102	ERKKLLS Y IQRLV
42891	Q9Y3Z3	161	YVFPGAS H NRFEH
42892	Q9Y3Z3	168	NRFEHS L VGYLY
42893	Q9Y3Z3	192	QPELQIS E DVLC
42894	Q9Y3Z3	214	LGHGPF S HMF DGR
42895	Q9Y3Z3	237	WTHEQGS V MMFEH
42896	Q9Y3Z3	247	FEHLINS NG IKPV
42897	Q9Y3Z3	278	IVGPLES P VEDSL
42898	Q9Y3Z3	283	ESPVEDS L WPYKG
42899	Q9Y3Z3	295	GRPENKS FL YEIV
42900	Q9Y3Z3	302	FLYEIVS N KRNGI
42901	Q9Y3Z3	368	MFHTRNS L HRRAY
42902	Q9Y3Z3	410	GKKYRIS T AIDDM
42903	Q9Y3Z3	433	FLEILY S TDPKLK
42904	Q9Y3Z3	475	KREDYES SL PKAVA
42905	Q9Y3Z3	482	LPKEVAS A PKVLL
42906	Q9Y3Z3	519	NPIDHVS F YCKTA
42907	Q9Y3Z3	538	ITKNQVS Q LLPEK
42908	Q9Y3Z3	561	KKVDRKS L YAARQ
42909	Q9Y3Z3	601	KKEWND S TSVQNP
42910	Q9Y3Z3	603	EWNDSTS V QNPTR
42911	Q9Y3Z3	614	TRLREASKSRVQL
42912	Q9Y3Z3	616	LREASKS R VQLFK
42913	Q9Y4E8	68	PGPIDNS G LLKDG
42914	Q9Y4E8	102	GNWKLV S WYTLME
42915	Q9Y4E8	153	VVTRRFS K ADTID
42916	Q9Y4E8	196	PLNKPD S TIQDAG
42917	Q9Y4E8	229	GPSTPKS P GASNF
42918	Q9Y4E8	236	PGASNFS T LPKIS
42919	Q9Y4E8	242	STLPKIS P SSLSN
42920	Q9Y4E8	247	ISPSSL S NNYNM
42921	Q9Y4E8	261	NRNVKN S NYCLPS
42922	Q9Y4E8	267	SNYCLPS Y TAYKN
42923	Q9Y4E8	302	NTCFMNS AI QCLS
42924	Q9Y4E8	308	SAIQCLS N TPPLT
42925	Q9Y4E8	432	HLKRND S IIVDIF
42926	Q9Y4E8	444	FHGLFKS T LVCPE
42927	Q9Y4E8	510	DLCTALS A LSGIP
42928	Q9Y4E8	513	TALSA L SGIPADK
42929	Q9Y4E8	586	YTHHTG S SLFGQP
42930	Q9Y4E8	587	THHTGSS L FQPF
42931	Q9Y4E8	621	CRYVKIS T TEET
42932	Q9Y4E8	665	DEPDDES S SQDQEL
42933	Q9Y4E8	673	QDQELPS E ENENSO

42934	Q9Y4E8	678	PSENENS Q SEDSV
42935	Q9Y4E8	680	ENENS Q SEDSVGG
42936	Q9Y4E8	747	LRLDERS F LALDW
42937	Q9Y4E8	775	D E KHESVEYKPP
42938	Q9Y4E8	826	KKLDLWS L PPVLV
42939	Q9Y4E8	862	INDLDM S EFLINP
42940	Q9Y4E8	881	YNLIAVS N HGGM
42941	Q9Y4E8	916	SSVSTA S EQIVS
42942	Q9Y4E8	922	SEDQIV S KAAYVL
42943	Q9Y4E8	937	QRQDTF S GTGFFP
42944	Q9Y4E8	952	RETKG A SATGIP
42945	Q9Y4E8	961	TGIP L ESDEDSND
42946	Q9Y4P1	23	EDFPET S EPVWIL
42947	Q9Y4P1	34	ILGRK Y SIFTEKD
42948	Q9Y4P1	44	EKDEI L S D VASRL
42949	Q9Y4P1	48	ILSDV A SRLWFTY
42950	Q9Y4P1	68	GGTGPT S DTGWGC
42951	Q9Y4P1	107	RKRQP D SYFSVLN
42952	Q9Y4P1	110	QPDSYF S VLNNAFI
42953	Q9Y4P1	121	FIDRK D SYYSIHQ
42954	Q9Y4P1	124	RKDSYYS I HQIAQ
42955	Q9Y4P1	138	GVGEG K SIGQWYG
42956	Q9Y4P1	162	AVFDTW S SLAVHI
42957	Q9Y4P1	163	VFDTW S SLAVHIA
42958	Q9Y4P1	186	RRLCRT S VPCAGA
42959	Q9Y4P1	199	TAFPAD S DRHCNG
42960	Q9Y4P1	217	EVTNRP S PWRPLV
42961	Q9Y4P1	252	CFMMPQ S LGVIHG
42962	Q9Y4P1	262	IGGKP N SAHYFIG
42963	Q9Y4P1	298	CFIPDES F HQCQHP
42964	Q9Y4P1	309	HPPCRMS I AELDP
42965	Q9Y4P1	316	IAELD P SIAVGFF
42966	Q9Y4P1	340	QQVKKL S LLGGAL
42967	Q9Y4P1	357	LVELQPSHLACPD
42968	Q9Y4P1	368	PDVLNL S LDSSDV
42969	Q9Y4P1	371	LNLSLD S SDVERL
42970	Q9Y4P1	372	NLSLD S SDVERLE
42971	Q9Y4P1	383	LERFFD S EDEDFE
42972	Q9Y4R8	20	EAIHAL S SSEDGG
42973	Q9Y4R8	22	IHALSS S EDGGHI
42974	Q9Y4R8	34	IFCTLES L KRYLG
42975	Q9Y4R8	71	CLASRL S PAWLEL
42976	Q9Y4R8	89	LEELW A FFLEG P
42977	Q9Y4R8	114	EGAAG P S F RLMKM
42978	Q9Y4R8	202	LQAVV D S L QGGLD
42979	Q9Y4R8	209	LQGG L D S SVSFVS
42980	Q9Y4R8	212	GLDSSV S FVSQVL
42981	Q9Y4R8	245	AALTQGS Y LHQRV
42982	Q9Y4R8	282	LGPEV L S R LLGNL
42983	Q9Y4R8	317	TTPMLQ S LLGHIA
42984	Q9Y4R8	326	GHLAM D S Q RRPLL
42985	Q9Y4R8	379	EPELRD S RDELLA
42986	Q9Y4R8	414	IVAEVV S ARIHPE
42987	Q9Y4R8	434	YEDEL L SELLAL
42988	Q9Y4R8	451	PAGDG A SEAGTSL
42989	Q9Y4R8	501	FVPYD M SGDRELK
42990	Q9Y4R8	508	GDREL K SKAPAY
42991	Q9Y4R8	525	VEALTT S EDIERW

42992	Q9Y4R8	553	TATREV S VELAKV
42993	Q9Y4R8	637	RTPQPG S PSPNTP
42994	Q9Y4R8	639	PQPG S PSPNTPCL
42995	Q9Y4R8	655	AVSQPG S AVASDW
42996	Q9Y4R8	659	PGSAVASDWRVVV
42997	Q9Y4R8	671	VEERIR S KTQRRLS
42998	Q9Y4R8	690	GPAGSP S RFNSVA
42999	Q9Y4R8	775	GLLSAV S SVLLSL
43000	Q9Y4R8	776	LLSAV S VLLSLP
43001	Q9Y4R8	780	VSSVLL S LPAARL
43002	Q9Y4R8	799	ELLEAR S WLADVA
43003	Q9Y4X4	38	KTELLE E SEQGSPN
43004	Q9Y4X4	71	PPEDSL S VDHFQT
43005	Q9Y4X4	92	INKART S PTAVSS
43006	Q9Y4X4	97	TSPTAV S SSPVSM
43007	Q9Y4X4	98	SPTAV S SPVSMT
43008	Q9Y4X4	102	VSSSPV S MTASAS
43009	Q9Y4X4	106	PVSMTASASSPSS
43010	Q9Y4X4	108	SMTASASSPSSTS
43011	Q9Y4X4	109	MTASASSPSSTST
43012	Q9Y4X4	111	ASASSP S STSTSS
43013	Q9Y4X4	114	SSPSST S SSSSSS
43014	Q9Y4X4	117	SSTSTSSSSSSRL
43015	Q9Y4X4	118	STSTSSSSSSRLA
43016	Q9Y4X4	119	TSTSSSSSSRLAS
43017	Q9Y4X4	121	TSSSSSSRLASSP
43018	Q9Y4X4	126	SSRLASS S PTVITS
43019	Q9Y4X4	135	VITSVSSASSSST
43020	Q9Y4X4	138	SVSSASSSSTVLT
43021	Q9Y4X4	140	SSASSSSTVLTPG
43022	Q9Y4X4	151	PGPLVASASGVGG
43023	Q9Y4X4	177	SPMNLQ S NKLSHV
43024	Q9Y4X4	181	LQSNKLSHVHRIP
43025	Q9Y4X4	232	MDPRGL S PRQSKS
43026	Q9Y4X4	236	GLSPRQ S KSDSDD
43027	Q9Y4X4	240	RQSKSD S DDDLIP
43028	Q9Y4X4	258	SVNETG S TALSIA
43029	Q9Y4X4	293	KFPCSI S PFSIES
43030	Q9Y4X4	299	SPFSIES S TRRQRR
43031	Q9Y4X4	306	TRRQRR S ESPDSR
43032	Q9Y4X4	308	RQRRSE S PDSRKR
43033	Q9Y4X4	331	NKVYTK S SHLKAH
43034	Q9Y4X4	361	TWKFARSDELTRH
43035	Q9Y4X4	387	DCDRSF S RSDHLA
43036	Q9Y4Z0	31	YNGHLV S CDNWMM
43037	Q9Y4Z0	47	REVICTS S RDGDKF
43038	Q9Y4Z0	64	ECYIRG S TIKYLR
43039	Q9Y572	54	AVKIVNS S KAISRE
43040	Q9Y572	58	VNSKA I SREVKAM
43041	Q9Y572	66	EVKAMASLDNEFV
43042	Q9Y572	101	KFMENG S LSGLLQ
43043	Q9Y572	103	MENGSL S GLLQSQ
43044	Q9Y572	146	HRDLKPSNVLLDP
43045	Q9Y572	170	STFQGG S QSGTGS
43046	Q9Y572	172	FQGGSQ S GTGSGE
43047	Q9Y572	176	SQSGTG S GEPGGT
43048	Q9Y572	202	RKASTASDVYSFG
43049	Q9Y572	206	TASDVY S FGILMW

43050	Q9Y572	267	LMQLCWSSEPKDR
43051	Q9Y572	268	MQLCWSSEPKDRP
43052	Q9Y572	275	EPKDRPSFQECLP
43053	Q9Y572	310	FLSQLRSNRREFS
43054	Q9Y572	316	SSNRRFSIPESGQ
43055	Q9Y572	320	RFSIPESGQGGTE
43056	Q9Y572	339	TIENQHRSRNDVMV
43057	Q9Y572	346	RNDVMVSWEWLNL
43058	Q9Y572	359	NLEEPSSVPKKC
43059	Q9Y572	360	LEEPPSSVPKKCP
43060	Q9Y572	367	VPKKCPSLTKRSR
43061	Q9Y572	388	AWTAGTSSDSMAQPPQ
43062	Q9Y572	391	AGTSSDMSMAQPPQ
43063	Q9Y572	402	PQTPTSTFRNQM
43064	Q9Y572	410	FRNQMPSPSTSTGT
43065	Q9Y572	413	QMPSPSTSCTGPSP
43066	Q9Y572	435	RQGMNWSCRTPPEP
43067	Q9Y572	482	TWGLAPSNGKGRGL
43068	Q9Y572	496	HPPPVGSGECPKD
43069	Q9Y572	507	KDPEAWSRPQGWY
43070	Q9Y5A9	39	DFEPYLSPQARPN
43071	Q9Y5A9	54	YTAMSDSYLPSYY
43072	Q9Y5A9	58	SDSYLPSYYPSI
43073	Q9Y5A9	63	PSYYSPSIGFSYS
43074	Q9Y5A9	69	SIGFSYSLGEEAW
43075	Q9Y5A9	88	AMPYLTSGQLSN
43076	Q9Y5A9	93	TSYGQLSNGEPHF
43077	Q9Y5A9	127	GFNFFPSGIDFSA
43078	Q9Y5A9	138	SAWGNNSSQGQST
43079	Q9Y5A9	139	AWGNNSSQGQSTQ
43080	Q9Y5A9	143	NSSQGQSTQSSGY
43081	Q9Y5A9	146	QGQSTQSSGYSSN
43082	Q9Y5A9	151	QSSGYSSNYAYAP
43083	Q9Y5A9	158	NYAYAPSLLGGAM
43084	Q9Y5A9	169	AMIDGQSAFANET
43085	Q9Y5A9	196	AALKLGSTEVASN
43086	Q9Y5A9	201	GSTEVASNVPKVV
43087	Q9Y5A9	209	VPKVVVGSAVGSGS
43088	Q9Y5A9	213	VGSAVGSGSITSN
43089	Q9Y5A9	215	SAVGSGSITSNIV
43090	Q9Y5A9	218	GSGSITSNIVASN
43091	Q9Y5A9	223	TSNIVASNSLPPA
43092	Q9Y5A9	225	NIVASNSLPPATI
43093	Q9Y5A9	244	SWADIASKPAKQQ
43094	Q9Y5A9	303	GQPTQGSPPQPVGQ
43095	Q9Y5A9	340	PQPAQLSVQQQAA
43096	Q9Y5A9	383	GSGSTPSEPHPVL
43097	Q9Y5A9	426	EDDIHRSIKYNIW
43098	Q9Y5A9	434	KYNIWCSTEHNK
43099	Q9Y5A9	464	LFSVNGSGHFCGV
43100	Q9Y5A9	475	GVAEMKSADVYNT
43101	Q9Y5A9	526	NKPVTNSRDTQEV
43102	Q9Y5A9	569	RQEEEESVKKERQ
43103	Q9Y5B9	113	IREKNESNKSSFD
43104	Q9Y5B9	116	KNESNKSSFDKMI
43105	Q9Y5B9	117	NESNKSSFDKME
43106	Q9Y5B9	128	IEAIKESKNGKKI
43107	Q9Y5B9	165	FDKIDISAVVAYT

43108	Q9Y5B9	215	DEKVRHS K LAEV
43109	Q9Y5B9	237	LAGADPS T VEMCY
43110	Q9Y5B9	258	NYNLKF S VVSDKN
43111	Q9Y5B9	281	MGIRFK S YCSNLV
43112	Q9Y5B9	284	RFKSYC S NLVRTL
43113	Q9Y5B9	365	GSLVINS K NQYKL
43114	Q9Y5B9	378	KKGMVFS I NLGFS
43115	Q9Y5B9	455	DLLGRGS R AALLT
43116	Q9Y5B9	508	IQKARKS N VSYKN
43117	Q9Y5B9	511	ARKSNVS Y KNPSL
43118	Q9Y5B9	516	VSYKNP S LMPKEP
43119	Q9Y5B9	577	NFYCPGS A LRNE
43120	Q9Y5B9	650	GIVKQDS L VINLN
43121	Q9Y5B9	821	CLLQPTS S ALVNA
43122	Q9Y5B9	865	IVYKDYS K KVTMI
43123	Q9Y5B9	878	NAIPVAS L DPIKE
43124	Q9Y5B9	888	IKEWLNS C DLKYT
43125	Q9Y5B9	932	EPEGE G S D AEEGD
43126	Q9Y5B9	939	DAEEGD S ESEIED
43127	Q9Y5B9	967	DSDEDY S SEAEEES
43128	Q9Y5B9	973	SSEAE E S D YSKES
43129	Q9Y5B9	976	AEESD Y S K ESLGS
43130	Q9Y5B9	979	SDYSKES L GSEE
43131	Q9Y5B9	1017	EQSRSMS R KRKA
43132	Q9Y5B9	1026	RKASVH S SGRGSN
43133	Q9Y5B9	1035	RGSNRG S RHSSAP
43134	Q9Y5B9	1038	NRGSRH S SAPPKK
43135	Q9Y5B9	1039	RGSRH S SAPPKK
43136	Q9Y5P4	12	SWNSSG S eedpet
43137	Q9Y5P4	20	EDPETE S GPPVER
43138	Q9Y5P4	57	ALSYYK S EDETEY
43139	Q9Y5P4	72	RGSICL S KAVIDP
43140	Q9Y5P4	89	ECRFD I S V NDSVW
43141	Q9Y5P4	119	EQHKTE S GYGSES
43142	Q9Y5P4	123	TESGYG S ESSLRR
43143	Q9Y5P4	125	SGYG S ESLRRHG
43144	Q9Y5P4	126	GYGSE S SLRRHGS
43145	Q9Y5P4	135	RHGSMV S LVSGAS
43146	Q9Y5P4	138	SMVSLV S GASGYS
43147	Q9Y5P4	144	SGASGY S ATSTSS
43148	Q9Y5P4	147	SGYSAT S TSSFKK
43149	Q9Y5P4	149	YSATST S FKKGH
43150	Q9Y5P4	150	SATST S FKKGHS
43151	Q9Y5P4	212	DFPTTR S DGDFLH
43152	Q9Y5P4	260	GILATL S HCIELM
43153	Q9Y5P4	302	TELKKK S HFGGP
43154	Q9Y5P4	352	RLHWPT S LPGDA
43155	Q9Y5P4	355	WPTSLP S GDAFSS
43156	Q9Y5P4	375	QKPYSR S SSMSSI
43157	Q9Y5P4	379	SRSSSMS S IDLVS
43158	Q9Y5P4	385	SSIDLV S ASDDVH
43159	Q9Y5P4	387	IDLVSAS D DVHR
43160	Q9Y5P4	394	DDVHR F S Q VEEM
43161	Q9Y5P4	408	QNHMTY S LQDVGG
43162	Q9Y5P4	502	KRVWP A QRDVLY
43163	Q9Y5P4	510	RDVLYL S VIKIP
43164	Q9Y5P4	532	WIVCNF S VDHDSA
43165	Q9Y5P4	537	FSVDH D SAPLNNR

43166	Q9Y5P4	560	ICQTLVSPPEGNQ
43167	Q9Y5Q6	12	FTLFLFSVLFAIS
43168	Q9Y5Q6	18	SVLFAISEVRSK
43169	Q9Y5Q6	22	AISEVRSKESVRL
43170	Q9Y5Q6	25	EVRSKESVRLCGL
43171	Q9Y5Q6	43	VIYICASSRWRRH
43172	Q9Y5Q6	44	IYICASSRWRRHQ
43173	Q9Y5Q6	64	QAETGNSFQLPHK
43174	Q9Y5Q6	74	PHKREFSEENPAQ
43175	Q9Y5Q6	88	LPKVDASGEDRLW
43176	Q9Y5Q6	106	TEELWKSKKHSVM
43177	Q9Y5Q6	110	WKSKKHSVMSRQD
43178	Q9Y5Q6	113	KKHSVMSRQDLQT
43179	Q9Y5Q6	127	CCTDGCSMTDLA
43180	Q9Y5Y2	21	HIILVLSGKGGVG
43181	Q9Y5Y2	29	KGGVGKSTISTEL
43182	Q9Y5Y2	32	VGKSTISTELALA
43183	Q9Y5Y2	57	VDLCGPSIPRMLG
43184	Q9Y5Y2	86	FLDREQSISLMSV
43185	Q9Y5Y2	88	DREQSISLMSVGF
43186	Q9Y5Y2	91	QSISLMSVGFLLE
43187	Q9Y5Y2	119	LIKQFVSDAWGE
43188	Q9Y5Y2	138	DTPPGTSDEHMAT
43189	Q9Y5Y2	166	TTPQAVSVGDVRR
43190	Q9Y5Y2	192	GIVENMSGFTCPH
43191	Q9Y5Y2	204	HCTECTSVFSRGG
43192	Q9Y5Y2	207	ECTSVFSRGGGEE
43193	Q9Y5Y2	225	GVPFLGSVPLDPA
43194	Q9Y5Y2	249	IQEFPGSPAFAAL
43195	Q9Y5Y2	257	AFAALTSAQKIL
43196	Q9Y608	89	RYSHRSSHHRPYL
43197	Q9Y608	119	MFKDRSSRLSSLN
43198	Q9Y608	122	DRSSRLSSLNHSY
43199	Q9Y608	129	SLNHSYSHSHGMK
43200	Q9Y608	139	GMKKRSSDSHKDL
43201	Q9Y608	147	SHKDLLSGLYFDQ
43202	Q9Y608	162	YSSLRHSKPT SAY
43203	Q9Y608	166	RHSKPT SAYTRQ
43204	Q9Y608	173	AYYTRQSSSLYSD
43205	Q9Y608	174	YYTRQSSSLYSDP
43206	Q9Y608	178	QSSSLYSDPLATY
43207	Q9Y608	195	ASPTANSGLRSA
43208	Q9Y608	224	RTPSECYYSSRI
43209	Q9Y608	227	SECSYYSSRISSA
43210	Q9Y608	228	ECSYYSSRISSAR
43211	Q9Y608	231	YYSSRISSARSSP
43212	Q9Y608	232	YSSRISSARSSPG
43213	Q9Y608	260	SRGRRESVVSAAD
43214	Q9Y608	263	RRESVVSAADYFS
43215	Q9Y608	279	RRGSVVSEVDDIS
43216	Q9Y608	285	SEVDDISIPDLSS
43217	Q9Y608	291	SIPDLSSLDEKSD
43218	Q9Y608	296	SSLDEKSDKQYAE
43219	Q9Y608	308	ENYTRPSSRN SAS
43220	Q9Y608	309	NYTRPSSRN SASA
43221	Q9Y608	314	SSRNSASATTPLS
43222	Q9Y608	323	TPLSGNSSRRGSG
43223	Q9Y608	333	GSGDTSSLIDPDT

43224	Q9Y608	560	AAQVLESAGEGPL
43225	Q9Y608	599	EERQKCSRNDGTV
43226	Q9Y608	631	DANRQI S SEYKFKL
43227	Q9Y657	13	KTPGQR S RADAGH
43228	Q9Y657	23	AGHAGV S ANMMKK
43229	Q9Y657	32	MMKKRT S HKKHRS
43230	Q9Y657	38	SHKKHRSVGPSK
43231	Q9Y657	39	HKKHRSSVGPSKP
43232	Q9Y657	43	RSSVGPSKPVSQP
43233	Q9Y657	47	GPSKPVSQPRRNI
43234	Q9Y657	85	QVPVNPSLYLIKY
43235	Q9Y657	121	PDRVAT S RISDAH
43236	Q9Y657	147	FETEDGSKDEWRG
43237	Q9Y657	196	LRIMPDSNDSPPA
43238	Q9Y657	212	PGEVVDSLVGKQV
43239	Q9Y657	226	YAKEDGSKRTGMV
43240	Q9Y657	241	QVEAKPSVYFIKF
43241	Q9Y696	27	LFVKAGS S DGESIG
43242	Q9Y696	31	AGSDGESIGNCPF
43243	Q9Y696	38	IGNCPFSQRLFMI
43244	Q9Y696	53	LKGVVFSVTTVDL
43245	Q9Y696	82	PFITFN S EVKTDV
43246	Q9Y696	108	PKYLKLS S PKHPES
43247	Q9Y696	114	SPKHPE S NTAGMD
43248	Q9Y696	126	DIFAKF S AYIKNS
43249	Q9Y696	132	SAYIKNSRPEANE
43250	Q9Y696	157	LDEYLNSPLPDEI
43251	Q9Y696	167	DEIDENS S MEDIKF
43252	Q9Y696	174	MEDIKF S TRKFLD
43253	Q9Y696	226	YLTNAYS R DEFTN
43254	Q9Y696	236	FTNTCP S DKEVEI
43255	Q9Y696	245	EVEIAYS S DVAKRL
43256	Q9Y6E0	25	LPHPGGS T NLKAD
43257	Q9Y6E0	46	EKIGKGS F GEVFK
43258	Q9Y6E0	87	QEITVLSQCDSPY
43259	Q9Y6E0	91	VLSQCDSPYVTKY
43260	Q9Y6E0	100	VTKYYGS Y LKDTK
43261	Q9Y6E0	118	EYLGGGS A DLLE
43262	Q9Y6E0	149	GLDYLH S EKKIHR
43263	Q9Y6E0	165	AANVLL S EHGEVK
43264	Q9Y6E0	206	PEVIKQ S AYDSKA
43265	Q9Y6E0	210	KQSAYDS K ADIWS
43266	Q9Y6E0	216	SKADIWS L GITAI
43267	Q9Y6E0	232	RGEPPHS E LHPMK
43268	Q9Y6E0	256	TLEGNY S KPLKEF
43269	Q9Y6E0	272	CLNKEPS F RPTAK
43270	Q9Y6E0	294	RNAKKT S YLTELI
43271	Q9Y6E0	311	RWKAEQ S HDDSSS
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43273	Q9Y6E0	316	QSHDDS S EDSDA
43274	Q9Y6E0	317	SHDDS S EDSDAE
43275	Q9Y6E0	320	DSSSEDS A ETDG
43276	Q9Y6E0	329	ETDGQAS G GSMSG
43277	Q9Y6E0	332	GQASGG S DSGDWI
43278	Q9Y6E0	334	ASGGSDS G DWIFT
43279	Q9Y6E0	357	NGALQPS D LDRNK
43280	Q9Y6E0	373	I P KRPFSQCLSTI
43281	Q9Y6E0	377	PFSQCL S TIISPL

43282	Q9Y6E0	381	CLSTIISPLFAEL
43283	Q9Y6E0	391	AELKEKSQACGGN
43284	Q9Y6E0	400	CGGNLGSIEELRG
43285	Q9Y6E0	419	EACPGISDTMVAQ
43286	Q9Y6E0	434	QRLQRYSLSGGGT
43287	Q9Y6F6	38	PGTRGHSQQEAAM
43288	Q9Y6F6	62	EPQAAQS PAGQGP
43289	Q9Y6F6	74	PPAAGVSCSPTPT
43290	Q9Y6F6	76	AAGVSCSPTPTIV
43291	Q9Y6F6	117	HRHLKVSTASLTS
43292	Q9Y6F6	162	EEAKLVSERFLTR
43293	Q9Y6F6	173	TRRGRKSRSSPGD
43294	Q9Y6F6	176	GRKSRS SPGDSPS
43295	Q9Y6F6	182	SPGDSPSAVSPNL
43296	Q9Y6F6	185	DSPSAVS PNLSPS
43297	Q9Y6F6	196	PSASPTS SRSNSL
43298	Q9Y6F6	197	SASPTSS RSNSLT
43299	Q9Y6F6	216	GDEADVSS PHPGE
43300	Q9Y6F6	217	DEADVSS PHPGE P
43301	Q9Y6F6	255	PPPVEKS KEIAIE
43302	Q9Y6F6	285	LAPVTNS SGKMAL
43303	Q9Y6F6	320	GPLPLRS PTQDAA
43304	Q9Y6F6	333	GVGPPAS QGRGPA
43305	Q9Y6F6	349	MGPEAGSKAELPP
43306	Q9Y6F6	370	RGLSWDS GPEEPG
43307	Q9Y6F6	448	LKL PDL SEAAEQE
43308	Q9Y6F6	462	GLPSELSPAIEEEE
43309	Q9Y6F6	514	NVFVQLS LAFRND
43310	Q9Y6F6	641	NQNSSRS CGPSED
43311	Q9Y6F6	645	SRSCGPS EDGVPR
43312	Q9Y6F6	655	VPRTARSMSLTILG
43313	Q9Y6F6	691	QTPSSSS IPSLPA
43314	Q9Y6F6	707	SPNGKGSL PVTSA
43315	Q9Y6F6	745	SCLEELSQETKAR
43316	Q9Y6F6	805	EKGPRSS KLEELV
43317	Q9Y6F6	865	LGRSTCS AAQRDS
43318	Q9Y6G9	12	RVGSFGS SPPGLS
43319	Q9Y6G9	13	VGSFGSS SPPGLSS
43320	Q9Y6G9	18	SSPPGLS STYTGG
43321	Q9Y6G9	19	SPPGLS STYTGGP
43322	Q9Y6G9	32	LGNEIAS GNGGAA
43323	Q9Y6G9	50	DGQNLWSC ILSEV
43324	Q9Y6G9	54	LWSCILSEVSTRS
43325	Q9Y6G9	57	CILSEVSTRSRSK
43326	Q9Y6G9	60	SEVSTRS RSKLPA
43327	Q9Y6G9	62	VSTRSRSKLPAGK
43328	Q9Y6G9	140	FSLDAVS LKDTLV
43329	Q9Y6G9	153	MLVVDMSSKPWTAL
43330	Q9Y6G9	161	PWTALDS LQKWAS
43331	Q9Y6G9	167	SLQKWAS VVREHV
43332	Q9Y6G9	215	QRRNTAS QEDKDD
43333	Q9Y6G9	222	QEDKDDSVVLPLG
43334	Q9Y6G9	269	HFDFIQSHIRKFC
43335	Q9Y6G9	286	AALIYT SVKENKN
43336	Q9Y6G9	381	FLMKLQS LLAKQP
43337	Q9Y6G9	412	PRTPNRSVSSNVA
43338	Q9Y6G9	414	TPNRSVSS NVASV
43339	Q9Y6G9	415	PNRSVSS NVASVS

43340	Q9Y6G9	427	SPIPAGSKKIDPN
43341	Q9Y6G9	440	MKAGATSEGVLAN
43342	Q9Y6G9	450	LANFFNSLLSKKT
43343	Q9Y6G9	453	FFNSLLSKTGSP
43344	Q9Y6G9	458	LSKKTGSPGPGV
43345	Q9Y6G9	465	PGGPGVSGGSPAG
43346	Q9Y6G9	468	PGVSGGS PAGGAG
43347	Q9Y6G9	477	GGAGGGSSGLPPS
43348	Q9Y6G9	478	GAGGGSSGLPPST
43349	Q9Y6I3	18	NIVHNYSEAEIKV
43350	Q9Y6I3	29	KVREATSNPDWGP
43351	Q9Y6I3	36	NDPWGPSSSLMSE
43352	Q9Y6I3	37	DPWGPSSSLMSEI
43353	Q9Y6I3	41	PSSSLMSEIADLT
43354	Q9Y6I3	58	AFSEIMS MIWKRL
43355	Q9Y6I3	89	YLIK TGSERVSQQ
43356	Q9Y6I3	161	AQTATAS SAAVGS
43357	Q9Y6I3	162	QTATASSAAVGSG
43358	Q9Y6I3	167	SAAVGS GPPPEA
43359	Q9Y6I3	180	EQAWPQS GEEEL
43360	Q9Y6I3	204	EADQPPSCGPEDD
43361	Q9Y6I3	218	QLQLALS LSREEH
43362	Q9Y6I3	220	QLALSL SREEHDK
43363	Q9Y6I3	255	TGGKEES SLMDLA
43364	Q9Y6I3	293	PTAAPTS DPWGGP
43365	Q9Y6I3	330	AAPAGPS VDPWGG
43366	Q9Y6I3	353	TPDPWGS SDGGVP
43367	Q9Y6I3	354	PDPWGSS DGGVPV
43368	Q9Y6I3	361	DGGVPVSGPSASD
43369	Q9Y6I3	366	VSGPSAS DPWT PA
43370	Q9Y6I3	376	TPAPAFS DPWGGS
43371	Q9Y6I3	387	GSPAKP STNGTTA
43372	Q9Y6I3	442	PGAFDMS GVRGSL
43373	Q9Y6I3	473	TRKTPES FLGPNA
43374	Q9Y6I3	486	ALVDLDS LVS RPG
43375	Q9Y6I3	489	DLDLSLV S RGPPTP
43376	Q9Y6I3	501	PPGAKAS NPFLPG
43377	Q9Y6I3	515	GPATGPS VTNPFQ
43378	Q9Y6I3	536	LNQLRLS PVPPVP
43379	Q9Y6I3	550	APPTYIS PLGGGP
43380	Q9Y6K5	63	TVKGGS S GRGTAL
43381	Q9Y6K5	86	FLDCFKS YVDQRA
43382	Q9Y6K5	104	LSEMRA S LESWWQ
43383	Q9Y6K5	124	LTFPEQS VPGALQ
43384	Q9Y6K5	135	LQFR LT SVDLEDW
43385	Q9Y6K5	145	EDWMDV S LVP A FN
43386	Q9Y6K5	168	PKPQVY S TLLNSG
43387	Q9Y6K5	173	YSTLLNS GCQGGE
43388	Q9Y6K5	247	CKKDAFS LAEGLR
43389	Q9Y6K5	339	MGDPVQ SWKG PGL
43390	Q9Y6K5	371	TPENSKS LNAVYP
43391	Q9Y6K5	409	GMALDL S QI PTKE
43392	Q9Y6K5	454	NCVHKAS RVSKGG
43393	Q9Y6K5	461	RVSKGG S FGRG TD
43394	Q9Y6K5	534	LQFQLV S TALKSW
43395	Q9Y6K5	557	AVGQLSS GTKPNP
43396	Q9Y6K5	567	PNPQVY S RLLTSG
43397	Q9Y6K5	677	YWTVNYS TEDPAM

43398	Q9Y6K5	736	LSRDGT S VQPWDV
43399	Q9Y6K5	760	DLDKF I SEFLQPN
43400	Q9Y6K5	804	KVVKGGS SA AKGTA
43401	Q9Y6K5	805	VVKGGSS SA AKGTAL
43402	Q9Y6K5	824	DLVVFLS C FSQFT
43403	Q9Y6K5	827	VFLSCFSQFTEQG
43404	Q9Y6K5	872	ENPRVLS S FSLTSQ
43405	Q9Y6K5	874	PRVLSFS L TTSQTM
43406	Q9Y6K5	907	SGSRPSSQVYVDL
43407	Q9Y6K5	916	YVDLIHSYSNAGE
43408	Q9Y6K5	918	DLIHSYSNAGEYS
43409	Q9Y6K5	924	SNAGEYS T CFTEL
43410	Q9Y6K5	944	RPTKLK S LIRLVK
43411	Q9Y6K5	965	ISKGRGS L PPQHG
43412	Q9Y6K5	987	EQGGKDSQFNMAE
43413	Q9Y6K9	8	NRHLWKS Q LCEMV
43414	Q9Y6K9	17	CEMVQPSGGPAAD
43415	Q9Y6K9	141	MAEDKASVKAQVT
43416	Q9Y6K9	148	VKAQVT S LLGELQ
43417	Q9Y6K9	156	LGELQESQRLEA
43418	Q9Y6K9	158	ELQESQRLEAAT
43419	Q9Y6K9	178	GRARAASEQARQL
43420	Q9Y6K9	186	QARQLESEREALQ
43421	Q9Y6K9	196	ALQQQH S VQVDQL
43422	Q9Y6K9	208	LRMQGQSVEAALR
43423	Q9Y6K9	221	MERQAASEEKRKL
43424	Q9Y6K9	247	YDNHIKS S VVGSE
43425	Q9Y6K9	248	DNHIKSSVVGSER
43426	Q9Y6K9	252	KSSVVG S ERKRGM
43427	Q9Y6K9	341	QLQREYS K LKASC
43428	Q9Y6K9	346	YSKLK A SQESAR
43429	Q9Y6K9	350	KASCQESARIEDM
43430	Q9Y6K9	364	KRHVEVSQAPLPP
43431	Q9Y6K9	377	APAYLSSPLALPS
43432	Q9Y6K9	383	SPLALPSQRRSPP
43433	Q9Y6M9	29	ALRHLESWCVQRD
43434	Q9Y6M9	85	PYIFPD S PGGTSY
43435	Q9Y6M9	90	DSPGGTS Y ERYDC
43436	Q9Y6M9	110	LDDWHP S EKAMYP
43437	Q9Y6M9	132	KKLRRESWEREVK
43438	Q9Y6N7	13	PFLVM I SSL S LSP
43439	Q9Y6N7	53	SDNDDNS L GYTGS
43440	Q9Y6N7	138	IVHGRKS R PDEGV
43441	Q9Y6N7	158	YLGEAVS H NASLE
43442	Q9Y6N7	251	MVGERESEVAELT
43443	Q9Y6N7	263	TVLERPSFVKRPS
43444	Q9Y6N7	269	SFVKRPSNLAVTV
43445	Q9Y6N7	305	DGELPK S RYEIRD
43446	Q9Y6N7	342	VGKAEASATLTQ
43447	Q9Y6N7	402	YQPPQSSSRFSVS
43448	Q9Y6N7	403	QPPQSSSRFSVSQ
43449	Q9Y6N7	475	DGTFVL S CVATGS
43450	Q9Y6N7	646	YGISDPSQISDPV
43451	Q9Y6N7	661	QDVLPTS Q GVDHK
43452	Q9Y6N7	689	PTVLSSSSIEVHW
43453	Q9Y6N7	735	RTPAKNSVVIPDL
43454	Q9Y6N7	785	PQGVTVSKNDGNG
43455	Q9Y6N7	855	SVEVAAS T GAGSG

43456	Q9Y6N7	879	AHGNPVS PEDQVS
43457	Q9Y6N7	885	SPEDQVS LAQQIS
43458	Q9Y6N7	930	KRNGLTSTYAGIR
43459	Q9Y6N7	1010	SNLTTYSRPADCI
43460	Q9Y6N7	1157	NSSDRGS STSGSQ
43461	Q9Y6N7	1160	DRGSSTS GSQGHK
43462	Q9Y6N7	1209	NISVDES YDQEMP
43463	Q9Y6N7	1315	HTYGYIS GPLVSD
43464	Q9Y6N7	1357	LEQTPAS SVGDLE
43465	Q9Y6N7	1358	EQT PASS VGDLES
43466	Q9Y6N7	1376	MINGWGS ASEEDN
43467	Q9Y6N7	1378	NGWGS ASEEDNIS
43468	Q9Y6N7	1388	NISSGRS SVSSSD
43469	Q9Y6N7	1527	SSDRKGSS YKGRE
43470	Q9Y6N7	1605	RDPSSSS SMSSRG
43471	Q9Y6Q9	42	RRREQES KYIEEL
43472	Q9Y6Q9	274	ITRHDLSS GKVNNI
43473	Q9Y6Q9	288	TNSLRSS MRPGFE
43474	Q9Y6Q9	402	SSVGGMS MSPNQG
43475	Q9Y6Q9	413	QGLQMPSS RAYGL
43476	Q9Y6Q9	429	STTGQMS GARYGG
43477	Q9Y6Q9	437	ARYGGSS NIASLT
43478	Q9Y6Q9	452	PGMQSPSS YQNNN
43479	Q9Y6Q9	464	NYGLNMS SPPHGS
43480	Q9Y6Q9	524	FSSSSLSS ALQAIS
43481	Q9Y6Q9	560	MNITQPS KVSNQD
43482	Q9Y6Q9	589	SMCQSNSS RDHLSD
43483	Q9Y6Q9	594	NSRDHLS DKEKSE
43484	Q9Y6Q9	602	KESKES SVEGAEN
43485	Q9Y6Q9	644	TNSPLDS SCKESS
43486	Q9Y6Q9	655	SSSVTS PSGVSS
43487	Q9Y6Q9	661	SPSGVSS STSGGV
43488	Q9Y6Q9	662	PSGVSS STSGGVS
43489	Q9Y6Q9	711	ATGKDTS SITS CG
43490	Q9Y6Q9	748	LDRDDPS DALSKE
43491	Q9Y6Q9	767	GVDNKMS QCTSST
43492	Q9Y6Q9	772	MSQCTS S TIPSSS
43493	Q9Y6Q9	776	TSSTIPS S SQEKD
43494	Q9Y6Q9	894	NPRMMDS QENYGS
43495	Q9Y6Q9	925	DWGLPNS KAGRME
43496	Q9Y6Q9	1009	ASNQLGS WPDGML
43497	Q9Y6Q9	1021	LSMEQVS HGTQNR
43498	Q9Y6Q9	1132	FHLQGQS PSFNSM
43499	Q9Y6Q9	1330	AFGRVSS PPNAMM
43500	Q9Y6Q9	1359	AASIYQS SEMKGW
43501	Q9Y6Q9	1374	GNLARNS SFSQQQ
43502	Q9Y6R1	12	VLDRGAS FLKHVC
43503	Q9Y6R1	38	GVHVPKS YRRRRR
43504	Q9Y6R1	65	RISENYS DKSDIE
43505	Q9Y6R1	76	IENADES SSS SILK
43506	Q9Y6R1	77	ENADES SSS SILKP
43507	Q9Y6R1	78	NAADESS S SILKPL
43508	Q9Y6R1	102	LGEEDDS PAPPQL
43509	Q9Y6R1	154	PHVATLSS LHSIFE
43510	Q9Y6R1	178	LDREASS SLPQLVE
43511	Q9Y6R1	232	DIGKTVSS SASRMF
43512	Q9Y6R1	245	TNPDNGS PAMTHR
43513	Q9Y6R1	255	THRNLTSS SSLNDI

43514	Q9Y6R1	285	PRDAEASNVLVGE
43515	Q9Y6R1	336	PKGAKSYHEIGR
43516	Q9Y6R1	349	AIATLMSDEVFHD
43517	Q9Y6R1	399	PPKSLPSDKRKN
43518	Q9Y6R1	459	KAPFFASDFYDAL
43519	Q9Y6R1	471	LNIQALSAILFIY
43520	Q9Y6R1	590	TEEGFSSLISFIF
43521	Q9Y6R1	593	GFSSLISFIFIYD
43522	Q9Y6R1	654	EYLPTMSSTDHYH
43523	Q9Y6R1	655	YLPTMSSSTDHYHN
43524	Q9Y6R1	735	DFAIILSILIFCV
43525	Q9Y6R1	763	SEFKPTS PNRGWF
43526	Q9Y6R1	848	VAATVISIAHIDS
43527	Q9Y6R1	862	KMETETSAPGEQP
43528	Q9Y6R1	916	LYMGVASLNGVQF
43529	Q9Y6R1	969	LLWILKS TVAAII
43530	Q9Y6R1	1000	FSQHDLSPFLDDVI
43531	Q9Y6R1	1061	QPFLSDSKPSDRE
43532	Q9Y6R1	1064	LSDSKPSDRERSP