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

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

Protein ID	Site	Sequences
A8K4G0	188	PGEQPI Y MNFSEP
000213	547	QKFQVY Y LGNVPV
000401	256	ETSKVI Y DFIEKT
000459	464	REYDQL Y EEYTRT
000459	605	NETEDQ Y ALMEDE
		SSQRGC Y ACSVVV
		RAVENQ Y SFYYYY
		SAAASÑ Y VVVVV
		ADSSSD Y VNMDFT
		DPPPEL y fvkvdv
		TDPSGT Y HAWKAN
		VPNQPV Y NQPVYN
		VYNQPV Y NQPVGA
		NKRQHI Y QRCIQL
		NQFRAN <mark>Y</mark> FLQPEL
		DLSEQT Y DFLGEM
		DAEMTG <mark>Y</mark> VVTRWY
		TEEAII Y SYGFAT
		GVCAER <mark>Y</mark> SQEVFE
		LEPDST <mark>Y</mark> FDLPQS
		VPTHSP Y AQPSST
		SFNNPA Y YVLEGV
		TLSEVD <mark>Y</mark> APAGPA
		RGLPSD Y GRPLSF
		AGKRHR <mark>Y</mark> RVLSSC
		QFEYAA <mark>Y</mark> IIHAYK
		LEEIPD Y KLNHAL
		LMEKDS <mark>Y</mark> PRFLKS
		FLKSPA <mark>Y</mark> RDLAAQ
		RTTSQL <mark>Y</mark> DAVPIQ
		EDDEDC <mark>Y</mark> GNYDNL
		EDCYGN <mark>Y</mark> DNLLSQ
		LLAKKG <mark>Y</mark> QERDLE
		LTPPPS Y GHQPQT
		GDKDHL <mark>Y</mark> STVCKP
		RKAQDC <mark>Y</mark> FMKLHH
		LIMKED Y ELVSTK
		ANSVAS <mark>Y</mark> ENEGAS
		DEDEDD <mark>Y</mark> HNPGYL
		DYHNPG Y LVVLPD
		MESIDD <mark>Y</mark> VNVPES
		LDGSRE Y VNVSQE
	A8K4G0 000213 000401	A8K4G0 188 000213 547 000401 256 000459 464 000459 605 000459 629 014492 629 014493 208 014746 707 014818 153 015162 74 015259 46 015259 721 015264 182 015259 721 015264 182 015350 28 015357 164 015357 986 015357 1162 015446 80 015455 759 015455 759 015450 373 015530 376 015530 373 015530 376 015547 64 043294 38 043294 60 043561 156 043561 161 043561 161

43	043561	255	${ t EEGAPD}{ t Y}{ t ENLQEL}$
44	060331	639	APATDI Y FPTDER
45	060331	649	DERSWV y SPLHYS
46	060602	798	VGSLSQ Y QLMKHQ
47	060674	119	LYRIRF y fprwyc
48	060674	372	VSLIDG y yrltad
49	060674	373	SLIDGY y rltada
50	060674	813	SLFTPD y ELLTEN
51	060674	868	SVEMCR y dplqdn
52	060674	966	ICKGME Y LGTKRY
53	060674	972	YLGTKR y IHRDLA
54	060674	1007	LPQDKE <mark>Y</mark> YKVKEP
55	060674	1008	
			PQDKEY y KVKEPG
56	060711	22	LQDSDE Y SNPAPL
57	060711	62	LPAQLV Y TTNIQE
58	060711	72	IQELNV y seaqep
59	060716	112	GQIVET y teedpe
			~
60	060716	217	DGYSRH y EDGYPG
61	060716	221	RHYEDG Y PGGSDN
62	060716	228	PGGSDN Y GSLSRV
63	060716	257	PSRQDV Y GPQPQV
64	060716	280	RFHPEP Y GLEDDO
			~
65	060716	865	SQSSHS Y DDSTLP
66	060716	904	KSLDNN Y STPNER
67	075056	409	LVTLLI y RMKKKD
68	075056	419	KKDEGS y tleepk
69	075056	431	KQASVT Y QKPDKQ
70	075056	441	DKQEEF y aaaaa
71	075116	722	ADKNKI y ESIEEA
72	075563	75	AEDGEE Y DDPFAG
73	075563	151	SKTVFY y yGSDKD
74	075563	197	
			APDKRI Y QFTAAS
75	075563	261	PIDDEIYEELPEE
76	075716	198	QRCTIS y rapelf
			==
77	075807	262	DPRSWE Y RSGEAS
78	075807	391	FLKSWV y QPGEDT
		434	
79	075807		FLKAWV y RPGEDT
80	075807	512	PFRVAI Y VPGEKP
81	095297	241	HQGPVI Y AQLDHS
82	095297	263	KSESVV y ADIRKN
83	095866	211	QEPSLL Y ADLDHL
84	P01100	10	SGFNAD <mark>Y</mark> EASSSR
85	P01100	30	GDSLSY y hspads
86	P02730	8	EELQDD <mark>Y</mark> EDMMEE
87	P02730	21	NLEQEE Y EDPDIP
88	P02730	46	EATATD Y HTTSHP
89	P02730	359	KPDSSF Y KGLDLN
90	P02730	904	EEGRDE y DEVAMP
91	P03372	537	KNVVPL y DLLLEM
92	P03956	360	QNVLHG <mark>Y</mark> PKDIYS
93	P04083	21	ENEEQE Y VQTVKS
94	P04626	1139	
			CSPQPE Y VNQPDV
95	P04626	1196	AVENPE Y LTPQGG
96	P04626	1248	TAENPE Y LGLDVP
97	P04629	496	IIENPQ Y FSDACV
98	P04629	676	GMSRDI y STDYYR
99	P04629	680	DIYSTD y yrvggr
100	P04629	681	IYSTDY y rvggrt
	1		

101	P04629	791	AQAPPV y ldvlgg
102	P05060	401	DKMAHG Y GEESEE
103	P05067	497	FNMLKK Y VRAEQK
104	P05067	757	KMQQNG <mark>Y</mark> ENPTYK
105	P05106	773	TANNPL Y KEATST
106	P05106	785	TFTNIT Y RGTTTT
107	P06213	401	LKIRRS <mark>Y</mark> ALVSLS
108	P06213	992	GPLGPL Y ASSNPE
109	P06213	999	ASSNPE Y LSASDV
110	P06213	1011	VFPCSV y vpdewe
111	P06213	1355	LGFKRS Y EEHIPY
112	P06213	1361	YEEHIP Y THMNGG
113	P06396	86	PVPTNL Y GDFFTG
114	P06396	409	DGLGLS Y LSSHIA
115	P06396	465	PVDPAT Y GQFYGG
116	P06396	603	KTPSAA Y LWVGTG
117	P06396	651	LGGKAA y rtsprl
118	P07332	261	IQPEAE <mark>Y</mark> QGFLRQ
119	P07332	713	EEADGV Y AASGGL
120	P07333	546	YKQKPK <mark>Y</mark> QVRWKI
121	P07333	561	SYEGNS <mark>Y</mark> TFIDPT
122	P07333	699	PEGGVD <mark>Y</mark> KNIHLE
123	P07333	708	IHLEKK Y VRRDSG
124	P07333	723	SQGVDT y vemrpv
125	P07333	809	IMNDSN Y IVKGNA
126	P07333	923	DRRERD y TNLPSS
127	P07333	969	LLQPNN Y QFCCCC
128	P07550	141	ITSPFK Y QSLLTK
129	P07766	188	PVPNPD Y EPIRKG
130	P07766	199	KGQRDL <mark>Y</mark> SGLNQR
131	P07947	32	STSVSH Y GAEPTT
132	P07947	336	DKLVPLYAVVSEE
133	P07947	345	VSEEPI Y IVTEFM
134	P07947	426	LIEDNE y TARQGA
135	P07947	446	APEAAL y GRFTIK
136	P07947	537	TATEPQ Y QPGENL
137	P07949	806	LLLIVE y AKYGSL
138	P07949	809	IVEYAK y gslrgf
139	P07949	900	GLSRDV y EEDSYV
140	P07949	905	VYEEDS <mark>Y</mark> VKRSQG
	P07949	981	==
141	P07949		NCSEEMYRLMLQC
142		1015	MVKRRDYLDLAAS
143	P07949	1062	WIENKLYGMSDPN
144	P07949	1090	NTGFPR Y PNDSVY
145	P07949	1096	YPNDSV Y ANWMLS
146	P08069	980	ASVNPE Y FSAADV
147	P08069	1161	GMTRDI y ETDYYR
148	P08069	1165	DIYETD <mark>Y</mark> YRKGGK
149	P08069	1166	IYETDY Y RKGGKG
150	P08581	1003	SNESVD Y RATFPE
151	P08581	1230	GLARDM Y DKEYYS
152	P08581	1234	DMYDKE Y YSVHNK
153	P08581	1235	MYDKEY Y SVHNKT
154	P08581	1349	TFIGEH <mark>Y</mark> VHVNAT
155	P08581	1356	VHVNAT Y VNVKCV
156	P08581	1365	VKCVAP Y PSLLSS
157	P08833	158	WDAIST Y DGSKAL
158	P08865	139	PLTEAS <mark>Y</mark> VNLPTI
100	100000	± J J	T T T T T V V T V I V T T T T

159	P09038	215	GVCANR Y LAMKED
160	P09211	4	$MMMMPP^\mathbf{Y}TVVYFP$
161	P09211	199	FLASPE <mark>Y</mark> VNLPIN
162	P09619	562	WQKKPR y EIRWKV
163	P09619	579	SSDGHE y iyvdpm
164	P09619	686	ITEYCR y GDLVDY
165	P09619	716	PPSAEL <mark>Y</mark> SNALPV
166	P09619	740	GESDGG y MDMSKD
167	P09619	751	KDESVD y vpmldm
168	P09619	763	MKGDVK y ADIESS
	P09619		DIESSN Y MAPYDN
169		771	
170	P09619	775	SNYMAP Y DNYVPS
171	P09619	778	MAPYDN Y VPSAPE
172	P09619	857	IMRDSN Y ISKGST
173	P09619	934	
			HASDEI Y EIMQKC
174	P09619	970	EGYKKK <mark>y</mark> qqvdee
175	P09619	1009	DTSSVL <mark>y</mark> tavqpn
176	P09619	1021	NEGDND Y IIPLPD
177	P10275	223	
			TSSKDNYLGGTST
178	P10275	267	LRGDCM Y APLLGV
179	P10275	307	TEDTAE Y SPFKGG
180	P10275	346	PSTLSL Y KSGALD
181	P10275	357	LDEAAA <mark>Y</mark> QSRDYY
			==
182	P10275	362	AYQSRD Y YNFPLA
183	P10275	363	YQSRDY Y NFPLAL
184	P10275	393	LENPLD Y GSAWAA
185	P10275	534	DSYSGP <mark>Y</mark> GDMRLE
186	P10275	551	HVLPID y YFPPQK
187	P10275	915	GKVKPI Y FHTQQQ
188	P10451	225	SRGKDS y etsqld
189	P10636	18	EDHAGT Y GLGDRK
190	P10636	514	SGDRSGYSSPGSP
191	P10721	547	MILTYK y LQKPMY
192	P10721	553	YLQKPM y EVQWKV
193	P10721	568	EINGNN Y VYIDPT
194	P10721	570	NGNNYV <mark>Y</mark> IDPTQL
			~
195	P10721	703	HAEAAL Y KNLLHS
196	P10721	721	SDSTNE y MDMKPG
197	P10721	730	MKPGVS Y VVPTKA
198	P10721	823	IKNDSN Y VVKGNA
199	P10721	900	HAPAEM¥DIMKTC
200	P10721	936	ESTNHI Y SNLANC
201	P11171	222	LLDDTV y ecvvek
202	P11171	660	LDGENI Y IRHSNL
	P11274	177	
203			DAEKPFYVNVEFH
204	P11274	246	CGVDGD Y EDAELN
205	P11362	463	LAGVSE y elpedp
206	P11362	583	RPPGLE Y CYNPSH
207	P11362	585	PGLEYC <mark>Y</mark> NPSHNP
208	P11362	653	DIHHID Y YKKTTN
209	P11362	654	IHHIDY Y KKTTNG
210	P11362	730	NCTNEL Y MMMRDC
211	P11362	766	LTSNQE <mark>Y</mark> LDLSMP
212	P11488	142	FERASE Y QLNDSA
213	P12004	211	LTFALR Y LNFFTK
214	P12814	12	SQQTND Y MQPEED
215	P12830	753	DTRDNV y ydeeg
	P12830	754	TRDNVY <mark>Y</mark> YDEEGG
216	F1403U	104	TUNNATTINEEGG

217	P12830	755	RDNVYY Y DEEGGG
218	P13639	265	KLWGDR Y FDPANG
219	P13639	373	YRCELL <mark>Y</mark> EGPPDD
220	P14317	140	SAVGFD Y KGEVEK
221	P14317	198	KGFGGQ Y GIQKDR
222	P14317	222	EAPTTA Y KKTTPI
223	P14317	378	PEPEND <mark>Y</mark> EDVEEM
224	P14317	397	DEPEGD Y EEVLEP
225	P14778	496	LEKIQD Y EKMPES
226	P15151	398	ANGHVS Y SAVSRE
227	P15311	116	ILSDEI Y CPPETA
228	P15311	146	EVHKSG Y LSSERL
229	P15311	354	$ exttt{MLRLQD}$ $ exttt{Y}$ $ exttt{EEKTKK}$
230	P15311	478	PPPPPV Y EPVSYH
231	P15391	348	SGPQNQ Y GNVLSL
232	P15391	378	GGTAPS Y GNPSSD
233	P15391	409	EEEGEG Y EEPDSE
234	P15391	439	SQDGSG Y ENPEDE
235	P15941	1203	FPARDT <mark>Y</mark> HPMSEY
236	P15941	1212	
			MSEYPTYHTHGRY
237	P15941	1218	YHTHGR Y VPPSST
238	P15941	1229	STDRSP y ekvsag
239	P15941	1243	GGSSLS Y TNPAVA
240	P16234	572	SPDGHE <mark>Y</mark> IYVDPM
241	P16234	574	DGHEYI Y VDPMQL
242	P16234	720	DESTRS y VILSFE
243	P16234	731	FENNGD Y MDMKQA
244	P16234	742	QADTTQ Y VPMLER
245	P16234	754	RKEVSK y SDIQRS
246	P16234	762	DIQRSL y drpasy
247	P16234	768	YDRPAS Y KKKSML
248	P16234	849	IMHDSN Y VSKGST
249	P16234	988	VDSDNA Y IGVTYK
250	P16234	1018	LSADSG Y IIPLPD
251	P16284	690	LNSDVQ y TEVQVS
252	P16284	713	KDTETV y SEVRKA
253	P16410	201	PLTTGV Y VKMPPT
254	P17948	914	IVEYCK Y GNLSNY
255	P17948	1053	IYKNPD Y VRKGDT
256	P17948	1169	QQDGKD Y IPINAI
257	P17948	1213	SSDDVR <mark>Y</mark> VNAFKF
258	P17948	1242	TSMFDDYQGDSST
259	P17948	1309	GKRRFT Y DHAELE
260	P17948	1327	CSPPPD y nsvvly
261	P17948	1333	YNSVVL Y STPPII
262	P18031	20	GSWAAI Y QDIRHE
263	P18031	66	HQEDND Y INASLI
264	P18206	537	NVMMGP Y RQDLLA
265	P18206	822	SFLDSG y rīlgav
266	P18206	1133	VRKTPW <mark>Y</mark> QQQQQ
267	P18669	26	NRFSGWYDADLSP
268	P19174	506	PVNHEW Y PHYFVL
269	P19174	771	GTAEPD Y GALYEG
270	P19174	775	PDYGAL Y EGRNPG
271	P19174	783	GRNPGF Y VEANPM
272	P19174	977	GTERAC Y RDMSSF
273	P19174	1253	GSFESR Y QQPFED
274	P19404	193	QINDNY Y EDLTAK
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275	P19429	26	RRRSSN Y RAYATE
276	P19525	101	GLSMGN Y IGLINR
277	P19525	162	LAAKLA <mark>Y</mark> LQILSE
278	P19525	293	RIDGKT y VIKRVK
279	P20138	340	MDEELH Y ASLNFH
280	P20138	358	KDTSTE y SEVRTQ
281	P22681	674	SSANAI Y SLAARP
282	P22681	700	GEEDTE y MTPSSR
283	P22681	731	QIDSCT Y EAMYNI
284	P22681	774	ENEDDG Y DVPKPP
285	P23246	293	RPGEKT y TQRCRL
			==
286	P23458	3	MMMMMQ Y LNIKED
287	P23458	1034	IETDKE y YTVKDD
288	P23458	1035	ETDKEY Y TVKDDR
289	P24394	497	IAGNPA Y RSFSNS
290	P24394	575	SAPTSG Y QEFVHA
291	P24394	603	PPGEAG Y KAFSSL
292	P24394	631	SSGEEG Y KPFQDL
293	P24666	132	LIIEDP <mark>Y</mark> YGNDSD
294	P24666	133	IIEDPY Y GNDSDF
295			
	P25963	42	SMKDEE Y EQMVKE
296	P27361	204	TGFLTE y VATRWY
297	P28370	954	HQLRIQ Y GTSKGK
298	P29317	588	LKPLKT <mark>y</mark> VDPHTY
299	P29317	628	GEFGEV Y KGMLKT
300	P29317	735	YLANMN Y VHRDLA
301	P29317	921	SIKMQQ Y TEHFMA
302	P29317	930	HFMAAG Y TAIEKV
303	P29350	64	GDFYDL <mark>Y</mark> GGEKFA
304	P29350	377	QRAYGP Y SVTNCG
305	P29350	536	KGQESE <mark>Y</mark> GNITYP
306	P29350	564	KHKEDV Y ENLHTK
307	P29597	292	AEGEPC y irdsgv
308	P29597	604	GTRTNV Y EGRLRV
309	P29597	1054	VPEGHE Y YRVRED
310	P30040	64	VKFDTQ <mark>Y</mark> PYGEKQ
311	P30040	66	FDTQYP <mark>Y</mark> GEKQDE
312	P30530	703	IYNGDY Y RQGRIA
313	P30530	779	DCLDGL Y ALMSRC
314	P30530	821	EPDEIL Y VNMDEG
315	P30530	866	VHPAGR Y VLCPST
316	P31040	215	
			LRYDTS Y FVEYFA
317	P31645	47	GQISNG Y SAVPSP
318	P31645	142	ELALGQ Y HRNGCI
319	P31995	294	ETADGG Y MTLNPR
320	P31995	310	DDDKNI Y LTLPPN
321	P35222	64	DTSQVL y EWEQGF
322	P35222	86	ADIDGQ Y AMTRAQ
323	P35222	142	VVNLIN <mark>Y</mark> QDDAEL
324	P35222	331	VNIMRT Y TYEKLL
325	P35222	333	IMRTYT <mark>y</mark> ekllwt
326	P35222	654	NEGVAT Y AAAVLF
327		465	
	P35568		EEELSN Y ICMGGK
328	P35568	612	LHTDDG Y MPMSPG
329	P35568	632	RKGSGD y mpmspk
330	P35568	662	RVDPNG Y MMMSPS
331			
	P35568	896	PKSPGE Y VNIEFG
332	P35568	941	ETGTEE Y MKMDLG

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

391	P42684	439	LMTGDT Y TAHAGA
392	P42684	515	GCPPKV Y ELMRAC
393	P42684	568	SSSVVP y lprlpi
394	P42684	683	NQPHKK Y ELTGNF
			==
395	P42684	718	LVPPKC y GGSFAQ
396	P42768	291	ETSKLI y DFIEDQ
397	P43351	104	LNNGKF Y VGVCAF
398	P43403	248	KADGLI Y CLKEAC
399	P43403	292	TLNSDG y tpepar
400	P43403	315	PMDTSV y ESPYSD
401	P43403	319	SVYESP y SDPEEL
402	P43403	492	LGADDS y ytarsa
403	P43403	493	GADDSY Y TARSAG
404	P43405	28	REEAED \mathbf{Y} LVQGGM
405	P43405	47	LRQSRN y LGGFAL
406	P43405	131	ENLIRE <mark>Y</mark> VKQTWN
407	P43405	296	ISRIKS <mark>Y</mark> SFPKPG
408	P43405	323	TVSFNP Y EPELAP
	P43405		
409		348	PMDTEV Y ESPYAD
410	P43405	352	EVYESP y adpeei
411	P43405	364	IRPKEV y ldrkll
412	P43405		VSMGMK Y LEESNF
		484	
413	P43405	507	LLVTQH y akisdf
414	P43405	525	LRADEN Y YKAQTH
415	P43405	526	RADENY Y KAQTHG
416	P43405	546	APECIN y YKFSSK
417	P43405	629	ELRLRN y yydvvn
418	P43405	630	LRLRNY Y YDVVNN
419	P43405	631	RLRNYY y DVVNNN
420	P46108	221	GPEPGP y aqpsvn
		239	
421	P46108		LQNGPI Y ARVIQK
422	P46527	74	KPLEGK <mark>y</mark> ewqeve
423	P46527	88	GSLPEF y yrpprp
424	P46527	89	
			SLPEFY y rpprpp
425	P46937	407	GLSMSS y svprtp
426	P48551	337	$\mathtt{RTSGGG}^{\mathbf{Y}}\mathtt{TMHGLT}$
427	P48551	512	VDLGDG <mark>Y</mark> IMRRRR
428	P49023	31	LSEETP Y SYPTGN
429	P49023	88	QSSSPV y GSSAKT
430	P49023	118	GEEEHV <mark>Y</mark> SFPNKQ
431	P49023	181	GALSPL Y GVPETN
432	P49789	114	HRNDSI Y EELQKH
433	P49789	145	AAALRV <mark>Y</mark> FQQQQQ
434	P49841	216	GEPNVS Y ICSRYY
435	P51636	19	FMDDDS Y SHHSGL
436	P51636	27	HHSGLE <mark>Y</mark> ADPEKF
437	P51813	216	STSLAQ y DSNSKK
438	P51813	224	SNSKKI Y GSQPNF
439	P51813	566	YVLDDQ <mark>Y</mark> VSSVGT
440	P52333	785	SLISSD y ELLSDP
441	P52333	904	LRLVME y lpsgcl
442	P52333	939	ICKGME Y LGSRRC
443	P52333	980	LPLDKD y yvvrep
444	P52333	981	PLDKDY y vvrepg
445	P52630	690	LQERRK <mark>Y</mark> LKHRLI
446	P52735	142	ENDDDV Y RSLEEL
447	P52735	159	DLGEDI y DCVPCE
448	P52735	172	DGGDDI y EDIIKV
	1 1 2 1 3 3	114	DOODDT TUDITIV

449	P53779	223	SFMMTP y VVTRYY
450	P54753	614	YIDPFT Y EDPNEA
451	P55211	153	GNADLA <mark>Y</mark> ILSMEP
452	P55263	77	KKFKVE Y HAGGST
453	P56945	128	KAQQGL Y QVPGPS
454	P56945	249	PGPQDI y DVPPVR
455	P56945	362	PPAEDV <mark>Y</mark> DVPPPA
456	P56945	372	PPAPDL Y DVPPGL
457	P56945	410	VVDSGV y avpppa
458	P59665	85	RYGTCI Y QGRLWA
459	P60484	336	KDKANR Y FSPNFK
460	P60953	64	TAGQED Y DRLRPL
461	P63010	737	HRQGHI Y MEMNFT
462	P63244	52	TRDETN Y GIPQRA
463	P63244	228	NEGKHL Y TLDGGD
464	P78347	248	ESEDPD Y YQYNIQ
465	P78347	318	TIEDDD Y SPPSKR
466	P78347	398	SHVEDL y veglpe
467	P78347	503	AHPNDL Y VEGLPE
	Q02763		IKRMKE <mark>Y</mark> ASKDDH
468		860	
469	Q02763	992	SRGQEV y VKKTMG
470	Q02763	1102	LEERKT <mark>Y</mark> VNTTLY
471	Q02763	1108	YVNTTL Y EKFTYA
472	003135	6	MMSGGK Y VDSEGH
	~		
473	Q03135	14	DSEGHL <mark>Y</mark> TVPIRE
474	Q03135	25	REQGNI Y KPNNKA
475	Q04759	90	ETTVEL Y SLAERC
476	Q04912	1238	DILDRE <mark>y</mark> ysvqqh
477	Q04912	1239	ILDREY Y SVQQHR
478	Q04912	1353	ALLGDH y VQLPAT
479	Q04912	1360	VQLPAT <mark>Y</mark> MNLGPS
480	Q05086	659	DSHPVL y QSLKDL
481	Q05397	5	MMMAAA Y LDPNLN
482	Q05397	397	VSETDD y aeiide
483	Q05397	407	IDEEDT y tmpstr
484	Q05397	570	DFGLSR y MEDSTY
485	Q05397	576	YMEDST Y YKASKG
486	Q05397	577	MEDSTY Y KASKGK
487	Q05397	861	IGNQHI Y QPVGKP
488	Q05397	925	RSNDKV Y ENVTGL
489	Q05655	64	TFDAHI Y EGRVIQ
			~
490	Q05655	155	KQAKIH Y IKNHEF
491	Q05655	313	SEPVGI y QGFEKK
492	Q05655	334	QDNSGT Y GKIWEG
493	Q05655	374	LKGRGE <mark>Y</mark> FAIKAL
494	Q05655	567	
			RVDTPHYPRWITK
495	Q06187	40	VHKLSY Y EYDFER
496	Q06187	223	KKVVAL <mark>Y</mark> DYMPMN
497	Q06187	344	STPQSQ Y YLAEKH
498	Q06187	361	IPELIN <mark>Y</mark> HQHNSA
			==
499	Q06187	551	YVLDDE Y TSSVGS
500	Q06187	617	AQGLRL Y RPHLAS
501	Q06609	54	TVEAVA y apkkel
502	Q07666	435	RPVKGA Y REHPYG
503	Q07666	440	AYREHP <mark>Y</mark> GRYYYY
504	Q07666	443	EHPYGR Y YYYYY
505	Q07912	284	PQNDDH Y VMQEHR
506	Q07912	518	GVKKPT y DPVSED
<u>l</u>			<u> </u>

507	Q07912	827	FASDPK <mark>Y</mark> ATPQVI
508	Q07912	859	KVSSTH <mark>Y</mark> YLLPER
509	Q07912	872	PSYLER Y QRFLRE
510	Q07954	4507	NFTNPV Y ATLYMG
	~		
511	Q08345	484	PREPPP Y QEPRPR
512	Q08345	513	LLSNPA Y RLLLAT
513	Q08345	520	RLLLAT y arpprg
514	Q08345	740	QGPTIS y PMLLHV
515	Q08345	792	GMSRNL y AGDYYR
516	Q08345	796	NLYAGD Y YRVQGR
	~		
517	Q08345	797	LYAGDY y RVQGRA
518	Q12866	749	GLSKKI y SGDYYR
519	Q12866	753	KIYSGD Y YRQGRI
			==
520	Q12866	754	IYSGDY Y RQGRIA
521	Q12866	872	NQADVI Y VNTQLL
522	Q12972	264	AFSGGL <mark>Y</mark> GGLPPT
523	Q12972	335	EPKKKK Y AKEAWP
524	Q13153	131	LDVLEF y nskkts
525	Q13153	142	TSNSQK Y MSFTDK
526	Q13153	153	DKSAED Y NSSNAL
527	Q13153	201	EHTKSV Y TRSVIE
528	Q13153	285	GASGTVYTAMDVA
529	Q13191	363	QEQYEL Y CEMGST
530	Q13191	665	HLGSEE Y DVPPRL
531	Q13191	709	EEDDDE Y KIPSSH
532	Q13191	889	$\mathtt{NRTSQD}^{\mathbf{Y}}\mathtt{DQLPSC}$
533	Q13322	67	ASLESL y sacsmq
			==
534	Q13444	715	VMLGAS y wyrarl
535	Q13444	735	KGPTCQ Y RAAQSG
536	Q13627	111	KHINEV Y YAKKKR
537	Q13627	140	KVYNDG Y DDDNYD
538	Q13627	145	GYDDDN Y DYIVKN
539	Q13627	159	EKWMDR y EIDSLI
540	Q13627	177	GQVVKA y drveqe
541	Q13627	219	HDTEMK y YIVHLK
542	Q13627	319	QLGQRI y qyiqsr
			~ ~ ~ ~
543	Q13627	321	GQRIYQ Y IQSRFY
544	Q13627	449	GHTVAD Y LKFKDL
545	Q13671	36	PAQDPL Y DVPNAS
546	Q13769	225	IEVKKE y lsslqp
547	Q13882	13	AHLGPK Y VGLWDF
548	Q13882	61	GAVAQG Y VPHNYL
		66	==
549	Q13882		GYVPHN Y LAERET
550	Q13882	114	EKPSAD y vlsvrd
551	Q13882	342	LIKEDV y lShDhN
552	Q13882	351	HDHNIPYKWTAPE
553	Q13882	447	LSSFTS Y ENPTTT
554	Q13905	504	PIPSVP y APFAAI
555			YRSPPP Y VPPPPP
	Q14118	892	
556	Q14247	421	LPSSPV y EDAASF
557	Q14247	446	TEPEPV Y SMEAAD
558			
	Q14247	453	SMEAAD Y REASSQ
559	Q14247	470	YATEAV Y ESAEAP
560	Q14247	486	PAEDST Y DEYEND
561	Q14247		
		489	DSTYDE Y ENDLGI
562	Q14289	402	SIESDI y aeipde
563	Q14289	579	YIEDED Y YKASVT
564	Q14289	580	IEDEDY <mark>y</mark> kasvtr
704	グエゴクロシ	500	THUHUT TIVAN VIIV

565	Q14289	722	KPSRPK y rpppQT
566	Q14289	819	KQMVED y QWLRQE
567	Q14289	834	SLDPMV <mark>Y</mark> MNDKSP
568	Q14289	849	PEKEVG Y LEFTGP
569	Q14289	881	RTDDLV Y LNVMEL
570	Q14527	195	GRAGPS Y SMPVHA
571	Q14680	163	PKGNKD <mark>Y</mark> HLQTCC
			==
572	Q14680	367	TASDKN Y VAGLID
573	Q15025	552	GAYPYA Y PPMPAM
574	Q15118	136	EDAKAI y DFTDTV
575	Q15118	243	RRLCDL Y YINSPE
576	Q15118	244	RLCDLY Y INSPEL
577	Q15139	95	FPECGF Y GMYDKI
578	Q15139	432	EGWMVH Y TSKDTL
579	Q15139	463	DTGSRY y KEIPLS
580	Q15139	502	
			TANVVY¥VGENVV
581	Q15303	875	EGDEKE Y NADGGK
582	Q15303	1035	NIPPPI y TSRARI
583	Q15303	1056	HSPPPA Y TPMSGN
584	Q15303	1150	ELDEEG Y MTPMRD
585	Q15303	1162	DKPKQE Y LNPVEE
586	Q15303	1188	ALDNPE Y HNASNG
587	Q15303	1202	PKAEDE Y VNEPLY
588	Q15303	1242	AFDNPD Y WNHSLP
589	Q15303	1258	
			TLQHPDYLQEYST
590	Q15303	1284	VAENPE Y LSEFSL
591	Q15654	55	LPSEQC y QAPGGP
592	Q15746	231	QDDVGV y TCLVVN
593	Q15746	464	EGSIEV y EDAGSH
594	Q15746	471	EDAGSH Y LCLLKA
595	Q15746	556	NGQPIQ Y ARSTCE
596	Q15746	611	SSRKSE y llpvap
597	Q15746	792	PWHAGQ Y EILLKN
598	Q15746	846	GGGSDR <mark>Y</mark> GSLRPG
599	Q15746	1449	KEPEVD Y RTVTIN
600	Q15746	1575	ISEGVE Y IHKQGI
601	Q15746	1635	APEVIN y EPIGYA
602	Q16625	368	DFRQPR Y SSGGNF
603	Q16625	398	RTEQDH <mark>Y</mark> ETDYTT
604	Q16625	402	DHYETDYTTGGES
605	Q16790	449	TKGGVS Y RPAEVA
606	Q16832	471	QGSNST y DRIFPL
607	Q16832	736	GMSRNL Y SGDYYR
608	Q16832	740	NLYSGD <mark>Y</mark> YRIQGR
609	Q16832	741	LYSGDY Y RIQGRA
610	Q2HXU8	7	MSEEVT Y ATLTFQ
611	Q5KSL6	78	ESATEL Y TEPTPE
612	25SQ64	281	KPEIQV Y ENIHLA
613	Q5VY43	925	LSSENP <mark>Y</mark> ATIRDL
614	Q6DN72	371	KDEGVVYSVVHRT
615	Q6GTX8	251	SSQEVT Y AQLDHW
616	Q6GTX8	281	MAESIT Y AAVARH
617	Q6PCB0	83	HVGSRP Y TEFPFG
618	Q6S5L8	424	SKCSSV Y ENCLEQ
619	Q6ZUJ8	263	ETVISY Y TDMEEI
620	Q6ZUJ8	419	EEADAV Y ESMAHL
621	Q6ZUJ8	444	GCDEDL <mark>Y</mark> ESMAAF
622	Q6ZUJ8	459	AATEDL y vemlqa
	2		

623				
624	623	O6ZUJ8	513	GOEEDV y htvddd
625				
626		~		
627	625	Q6ZUJ8	5.70	ERPGNF Y VSSESI
627	62.6	067UJ8	594	RPOSST y dpfagm
628		~		==
629				
630	628	Q70E73	426	LRASGI y yvpkgk
630	629	070E73	456	VYYGOD <mark>y</mark> rnkyka
631				
632				
633	631	Q8IVP5	18	ESDDDS y EVLDLT
633	632	OSTYA6	204	K D D P K I . V T R S K P K
G34				
G35				LEETKAYTTQSLA
G35	634	Q8IZP0	213	PTVPND y MTSPAR
636 Q8TD08 177 637 Q8WV28 72 DDFDSDYENPDEH 638 Q8WV28 84 HBSSEMYYMPAEE 639 Q8WV28 96 ENADDSYEPPVE 640 Q8WV28 178 LEDEADYVVPVED 641 Q8WV28 189 EDDENYIHPTES 642 Q92556 18 LEWFGAYFKLMEI 643 Q92556 216 644 Q92556 395 KHHQDAYTRIVLE 645 Q92556 511 KLQNLSYTEILKI 646 Q92556 720 PREPSNYDFVYDC 647 Q92630 382 HQRVYTYJQSRFY 648 Q92783 198 TTLSTLYFSTSSL 649 Q92783 381 MMEDPMYSMYAKL 650 Q92783 381 MMEDPMYSMYAKL 651 Q9288 738 DQEAQIVELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYNSEDBY 655 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 389 KVELETYKQTRQG 658 Q96T51 400 QGLDEMYSDVMKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99665 800 LPTHOGYLPSNID 662 Q99683 718 PERDSRYSQPLHE 663 Q99704 337 QRKKPLYPLED 664 Q99704 337 QRKKPLYPLED 666 Q99704 337 QRKKPLYPLED 667 Q99704 341 PLYWDLYEH 668 Q99704 349 PREPSRYSQPLHE 669 Q99704 349 PREPSRYSQPLHE 669 Q99704 377 VPPQGLYDLYEH 669 Q99704 449 SHNSALYSQVQKS 671 Q98ZL6 438 NTTNRYYKEIPLS 672 Q98ZL6 438 NTTNRYYKEIPLS 673 Q9GZY6 58 DDDANSYENVLIC 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H3Y6 380 LLKDDINSPSSS	635	08TZP0	455	E.K.V.V.A.T. <mark>A</mark> .D.A.L.K.D.K.
637				
638				DQAVTEIVATRWY
639	637	Q8WV28	72	DDFDSD Y ENPDEH
639	638	08WV28	8.4	HSDSEMYVMPAEE
640 Q8WV28 178 LEDEADYVVPVED 641 Q8WV28 189 EDNDENYIHPTES 642 Q92556 18 TEWPGAYPKIMEI 643 Q92556 395 KHHQDAYIRIVLE 644 Q92556 511 KLQNLSYTEILKI 646 Q92556 720 PKEPSNYDFVYDC 647 Q92630 382 HQRVYTYIQSRFY 648 Q92783 198 TTLSTLYFSTSSL 649 Q92783 384 DPMYSMYAKL 650 Q92783 384 DPMYSMYAKLQNQ 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYMSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96T51 400 QGLDEMYSDVKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99665 800 LPTHDGYLPSNID 662 Q99683 718 PERDSRYSQPLHE 663 Q99704 296 DSPPALYAEPLD 664 Q99704 362 PKEPLYNDR 666 Q99704 362 PKEPLYNDR 667 Q99704 341 PLYMDLYEH 668 Q99704 362 PKEPLYNDR 669 Q99704 369 PKEPLYNDR 669 Q99704 398 RVKEEGYELPYNDR 669 Q99704 398 RVKEEGYELPYNDR 669 Q99704 409 NPATDDYAVPPR 670 Q99704 398 RVKEEGYELPYNDR 671 Q9BZL6 438 NTTNRYXEIPLS 673 Q9GZY6 193 DEESEDYONSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYMEDCTF 678 Q9GZY6 233 EDGEPDYVNGEVA 679 Q9H3Y6 380 LLKDDLYSPSSSS				
641 Q8WV28 189 EDNDENYIHPTES 642 Q92556 18 IEWPGAYPKLMEI 643 Q92556 216 LNSHDLYQKVAQE 644 Q92556 395 KHHQDAYIRIVLE 645 Q92556 720 PKEPSNYDFVYDC 647 Q92630 382 HQRVYTYIQSRFY 648 Q92783 198 TILSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKL 651 Q92888 738 DQEAQIYELVAQT 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYMSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 389 KVELETYKQTRQG 658 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99665 800 LPTHDGYLPSNID 662 Q99683 718 PERDSRYSQPLHE 663 Q99704 337 QRKKPLYMDLYEH 665 Q99704 337 QRKKPLYMDLYEH 665 Q99704 337 QRKKPLYMDLYEH 665 Q99704 377 VPPQGLYDLPREP 669 Q99704 377 VPPQGLYDLPREP 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 6670 Q99704 409 NPATDDYAVPPPR 6670 Q99704 409 NPATDDYAVPPPR 6671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 136 DDANSYENVLIC 675 Q9GZY6 136 DDANSYENVLIC 676 Q9GZY6 137 KLHDSLYBEDCTF 677 Q9H1A4 571 KLHDSLYBEDCTF 678 Q9H3Y6 380 LLKDDIYSPSSSS				
641 Q8WV28 189 EDNDENYIHPTES 642 Q92556 18 IEWPGAYPKLMEI 643 Q92556 216 LNSHDLYQKVAQE 644 Q92556 395 KHHQDAYIRIVLE 645 Q92556 720 PKEPSNYDFVYDC 647 Q92630 382 HQRVYTYIQSRFY 648 Q92783 198 TILSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKL 651 Q92888 738 DQEAQIYELVAQT 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYMSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 389 KVELETYKQTRQG 658 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99665 800 LPTHDGYLPSNID 662 Q99683 718 PERDSRYSQPLHE 663 Q99704 337 QRKKPLYMDLYEH 665 Q99704 337 QRKKPLYMDLYEH 665 Q99704 337 QRKKPLYMDLYEH 665 Q99704 377 VPPQGLYDLPREP 669 Q99704 377 VPPQGLYDLPREP 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 669 Q99704 409 NPATDDYAVPPPR 6670 Q99704 409 NPATDDYAVPPPR 6670 Q99704 409 NPATDDYAVPPPR 6671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 136 DDANSYENVLIC 675 Q9GZY6 136 DDANSYENVLIC 676 Q9GZY6 137 KLHDSLYBEDCTF 677 Q9H1A4 571 KLHDSLYBEDCTF 678 Q9H3Y6 380 LLKDDIYSPSSSS	640	Q8WV28	178	LEDEAD y vvpved
642				
643				
644 Q92556 395 KHHQDAYTRIVÜE 645 Q92556 511 KLQNLSYTEILKI 646 Q92556 720 PKEPSNYDFVYDC 647 Q92630 382 HQRYYTYIQSRFY 648 Q92783 198 TTLSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKLQNQ 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYNSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99658 28 RIGDELYLEPLED 661 Q99665 800 LPTHDGYLPSNID 662 Q99685 800				
644 Q92556 395 KHHQDAYTRIVÜE 645 Q92556 511 KLQNLSYTEILKI 646 Q92556 720 PKEPSNYDFVYDC 647 Q92630 382 HQRYYTYIQSRFY 648 Q92783 198 TTLSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKLQNQ 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYNSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99658 28 RIGDELYLEPLED 661 Q99665 800 LPTHDGYLPSNID 662 Q99685 800	643	Q92556	216	LNSHDL Y QKVAQE
645				
646 647 6292556 720 647 648 649 6292783 198 649 649 650 6292783 384 650 651 652 652 653 654 654 655 654 655 655 696175 656 656 657 657 657 658 659 658 661 699674 660 6999704 661 662 663 664 67 67 699704 665 665 666 67 67 67 67 67 67 67 67 67 67 67 67				~
647 Q92630 382 HQRVYTYIQSRFY 648 Q92783 198 TTLSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKLQNQ 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96G74 175 EEVGAGYNSEDEY 654 Q96G74 175 EEVGAGYNSEDEY 655 Q96L02 420 FNQRFIYGNQDLF 656 Q96L7 667 SQEELHYATLNFP 657 Q96T51 389 KVELETYKQTRQG 658 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99655 800 LPTHDGYLPSNID 662 Q99683 718 PERDSRYSQPLHE 663 Q99704 296 DSPPALYAEPLDS 664 Q99704 362				~
648 Q92783 198 TTLSTLYPSTSSL 649 Q92783 381 MNEDPMYSMYAKL 650 Q92783 384 DPMYSMYAKLQNQ 651 Q92888 738 DQEAQIYELVAQT 652 Q96BD6 31 ELQGLDYCKPTRL 653 Q96EY5 204 RRNDSIYEASSLY 654 Q96G74 175 EEVGAGYNSEDEY 655 Q96J02 420 FNQRFIYGNQDLF 656 Q96LC7 667 SQEELHYATLNFP 657 Q96T51 389 KVELETYKQTRQG 658 Q96T51 400 QGLDEMYSDVWKQ 659 Q99572 343 IGSTLSYFGLAAV 660 Q99638 28 RIGDELYLEPLED 661 Q99655 800 LPTHDGYLPSNID 662 Q99633 718 PERDSRYSQPLHE 663 Q99704 337 QRKKPLYMDLYEH 665 Q99704 362 PKEDPIYDEPEJ 666 Q99704 362	646	Q92556	720	PKEPSN y DFVYDC
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669 Q99704 409 NPATDDYAVPPPR 670 Q99704 449 SHNSALYSQVQKS 671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				
669 Q99704 409 NPATDDYAVPPPR 670 Q99704 449 SHNSALYSQVQKS 671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS	668	Q99704	398	RVKEEG y ELPYNP
670 Q99704 449 SHNSALYSQVQKS 671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSS				
671 Q9BZL6 438 NTTNRYYKEIPLS 672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				
672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				
672 Q9BZL6 717 VVGTPAYLAPEVL 673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS	671	Q9BZL6	438	NTTNRY Y KEIPLS
673 Q9GZY6 58 FTGSRTYSLVGQA 674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				VVGTPAYT.APF.VT.
674 Q9GZY6 136 DDDANSYENVLIC 675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				
675 Q9GZY6 193 DEESEDYQNSASI 676 Q9GZY6 233 EDGEPDYVNGEVA 677 Q9H1A4 571 KLHDSLYNEDCTF 678 Q9H2W2 20 GAAFPAYRAPHAG 679 Q9H3Y6 380 LLKDDIYSPSSSS				
676 Q9GZY6 233 EDGEPD Y VNGEVA 677 Q9H1A4 571 KLHDSL Y NEDCTF 678 Q9H2W2 20 GAAFPA Y RAPHAG 679 Q9H3Y6 380 LLKDDI Y SPSSSS	6.74	Q9GZY6	136	DDDANS Y ENVLIC
676 Q9GZY6 233 EDGEPD Y VNGEVA 677 Q9H1A4 571 KLHDSL Y NEDCTF 678 Q9H2W2 20 GAAFPA Y RAPHAG 679 Q9H3Y6 380 LLKDDI Y SPSSSS	675	O9GZY6	193	DEESED Y ONSASI
677 Q9H1A4 571 KLHDSL y NEDCTF 678 Q9H2W2 20 GAAFPA y RAPHAG 679 Q9H3Y6 380 LLKDDI y SPSSSS				
678 Q9H2W2 20 GAAFPA Y RAPHAG 679 Q9H3Y6 380 LLKDDI Y SPSSSS				
679 Q9H3Y6 380 LLKDDI Y SPSSSS				
679 Q9H3Y6 380 LLKDDI Y SPSSSS	678	Q9H2W2	20	GAAFPA Y RAPHAG
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UOU QUHHUU IO/ SPVVAE Y AKVQKK		~		
	000	<u> </u>	Τ Ω /	SPVVAL I AKVŲKK

681	Q9Н400	200	AQVDVL y srvckp
682	Q9H400	254	GPLENV y esirel
683	Q9H5V8	734	DNDSHV Y AVIEDT
	~		
684	Q9H706	105	IKEPVQ y fnsvee
685	Q9H706	453	GKSELP y eelwle
	~		
686	Q9NR20	264	HQKVYT Y IQSRFY
687	Q9NRY4	308	SPEYQD y VYLEGT
688	Q9NRY4	1087	GFDPSD y aepmda
689	O9NRY4	1105	NEEENI Y SVPHDS
	~		
690	Q9NV92	151	DSSPPP y SSITVE
691	Q9NV92	167	TSDTEV y GEFYPV
	~		
692	Q9NV92	171	EVYGEF y PVPPPY
693	Q9NV92	177	YPVPPP y SVATSL
694	Q9NWQ8	105	LTCMQH <mark>y</mark> eevqts
695	Q9NWQ8	163	LGMEGP Y EVLKDS
696	Q9NWQ8	181	MVEDCL y etvkei
697	Q9NWQ8	227	KAEFAE y ASVDRN
698	Q9NWQ8	317	EEISAM Y SSVNKP
699	Q9NWQ8	359	SSCNDL Y ATVKDF
700	Q9NWQ8	387	EEPEPD Y EAIQTL
701	Q9NWQ8	417	VPKEND Y ESISDL
702	Q9NZC7	33	TKDGWV Y YANHTE
703	Q9NZC7	287	SPTKND Y WAMLAY
704	Q9NZJ5	619	KVDDCN y aikrir
705	Q9P126	7	MQDEDG Y ITLNIK
706	Q9UBK5	86	QEDGKV <mark>Y</mark> INMPGR
707	Q9UBN4	959	EDSSID y DLNLPD
	~		
708	Q9UBN4	972	$ exttt{TVTHED}\mathbf{Y} exttt{VTTRLL}$
709	Q9UBR4	227	RQRWGQ Y FRNMKR
	~		
710	Q9UGK3	22	VLPSHY Y ESFLEK
711	Q9UGK3	250	FLLDED y ekvlgy
712			
	Q9UGK3	310	PNQEEN Y VTPIGD
713	Q9UGK3	322	DGPAVD y ENQDVA
714	Q9UHP3	740	AAGDPE y leQpsr
715	Q9UIB8	296	PAESRI y DEILQS
716	O9UIB8	316	EPVNTV Y SEVOFA
	~		~
717	Q9UJ70	205	GILTHL y rdfdkC
718	Q9UJX2	273	SQIAVA Y HNIRDI
719	Q9UJX5	469	YNRKGK y FNVERV
720	Q9ULV8	341	EEQLQL y wamdst
721	Q9UM73	1078	ELQSPE y KLSKLR
722	Q9UM73	1092	STIMTD Y NPNYCF
723	Q9UM73	1096	TDYNPN Y CFAGKT
724	Q9UM73	1131	GAFGEV y EGQVSG
725	Q9UM73	1278	GMARDI <mark>Y</mark> RASYYR
726	Q9UM73	1507	SLWNPT y GSWFTE
727	Q9UM73	1604	APGAGH Y EDTILK
728	Q9UPY6	151	KDGLKF y TDPSYF
729	Q9UPY6	248	ASDVTD y sypatp
730	Q9UPY6	337	PAQIIE Y YNPSGP
731	Q9UPY6	486	RRIAVE Y SDSDDD
732	Q9UPZ9	159	KPPYTD y VSTRWY
733	Q9UQC2	266	EFRDST y DLPRSL
734	Q9UQC2	293	TDNEDV Y TFKTPS
735	Q9UQC2	452	TNSEDN Y VPMNPG
736	Q9Y3P8	90	VEEVPL Y GNLHYL
737	Q9Y3P8	127	AEEVMC y tslqlr
738	Q9Y3P8	148	PGTPVK Y SEVVLD

739	Q9Y3P8	169	GPEPEL y asvcaq
740	Q9Y3P8	188	SFPDQA Y ANSQPA
741	Q9Y6N7	1038	LPESTV Y GDVDLS
742	Q9Y6N7	1073	SGQPTP Y ATTQLI
743	Q9Y6N7	1114	EVAPVQ Y NIVEQN

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

C1- !!	Desate ' ID	C: -	C
Sample #	Protein ID	Site	Sequences
1	A6ND36	119	PLPSLE Y WPQKSD
2	A6ND36	587	EEDDDD Y VTLSDQ
3	A6ND36	619	SSVSEE Y FEVREH
4	A6NHR9	53	VGERSD Y AGFRAC
5	A6NHR9	218	ESDHSG Y VRPVPV
6	A6NHR9	1179	IIITDQ Y GNQIQA
7	A8K4G0	38	LTVQCH Y KQGWET
8	A8K4G0	45	KQGWET y ikwwcr
9	A8K4G0	102	RDDADV y WCGIER
10	A8K4G0	151	SHKRNH Y MLLVFV
11	000151	102	EGKRHP Y KMNLAS
12	000151	151	NNPAGL Y SSENIS
13	000151	321	VTPPEG Y EVVTVF
14	000159	553	YAGEVT Y SVTGFL
15	000159	648	IRHQVK Y LGLLEN
16	000159	859	KNMVWK Y CRSISP
17	000161	99	FESGKA Y KTTWGD
18	000161	139	GAASGG Y IKRITN
19	000165	132	RDSMLK y pdshqp
20	000165	207	QPQPKS Y FKSISV
21	000168	31	EHDPFT Y DYQSLQ
22	000168	33	DPFTYD Y QSLQIG
23	000100	27	GKTTFL Y RYTDNK
24	000194	122	QLQANA Y CENPDI
25	000194	159	DKYGIP Y FETSAA
26	000134	16	PGLWDT Y EDDISE
27	000204	68	DIFIIT Y PKSGTT
28	000204	157	DVVVSL Y HYSKIA
29	000204	117	KGLIHL Y SELELS
30	000213	234	SQGSPS Y GSPEDT
31	000213	269	ODTSGT Y YWHIPT
32	000213	270	DTSGTY Y WHIPTG
33	000213	403	
34			CIRQLSYHKNNLH
	000213	467	RERDFA Y VARDKL
35	000213	546	VQKFQV Y YLGNVP
36	000213	658	AACMLR Y QKCLDA
37	000231	177	LLESKTYHALSNL
38	000231	309	EKALTD Y RAELRD
39	000231	327	THLAKLYDNLLEQ
40	000232	75	AVVKMCYEAKEWD
41	000232	111	VQQCCT Y VEEITD
42	000232	247	LSICKH Y RAIYDT
43	000257	69	QEQLMG Y RKRGPK
44	000257	150	PGKSGK Y YYQLNS
45	000257	169	QPDPKM Y DLQYQG
46	000264	113	YGPEGP Y GVFAGR
47	000264	164	SQFTFK Y HHVGKL

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

106	000459	686	AEPYNL Y GSLKEL
107	000459	696	KELVLH Y QHASLV
108	000560	46	PHDGNL Y PRLYPE
109	000560	56	YPELSQ Y MGLSLN
110	000560	91	RPSSIN Y MVAPVT
111	000562	17	PMSLDE Y QVAQLY
112	000562	528	ATSSSR Y QGAVAT
113	000562	843	RIDYSL Y CPEALT
114	000571	38	TASKGR Y IPPHLR
115	000571	283	ELAVQI y EEARKF
116	000571	580	MAYEHHYKGSSRG
117	000622	102	EGRPCE Y NSRIYQ
118	000622	221	MEPRIL Y NPLQGQ
119	000622	370	EAAFPF Y RLFNDI
120	000763	1296	MASLEV Y VRRGYI
121	000763	2135	WFPDSA Y KTAQAV
122	000763	2168	$GGMKDM\mathbf{Y}DQVLKF$
123	014492	52	LRDNPA Y DTPDAG
124	014492	112	ALKAAP Y GHSRSS
125	014492	284	VENGAEYILETID
126	014492	415	ELELSDYPWFHGT
127	014492	454	ETRPGE Y VLTFNF
128	014492	514	DITLRS Y VRAODP
129	014492	546	DSPGQHYFSSLAA
			I ==
130	014493	67	QMQCKV Y DSLLAL
131	014493	148	NIIQDF Y NPLVAS
132	014493	165	EMGASL Y VGWAAS
133	014493	193	PRTDKP Y SAKYSA
134	014493	197	KPYSAK Y SAARSA
135	014519	42	RQLLSD Y GPPSLG
136	014519	49	GPPSLG Y TQGTGN
137	014519	81	KEIRPT Y AGSKSA
138	014607	137	YGLGLV Y FYYNAF
139	014607	265	KATKES Y AIQYLQ
140	014607	1148	PNLEDL Y EANVPV
141	014625	52	EKASIM Y PSNNCD
142	014653	75	
			RVDQLKYDVQHLQ
143	014653	191	RAFQDK Y FMIGGM
144	014654	84	EVCKRG Y LRKQKH
145	014654	95	KHGHRR Y FVLKLE
146	014654	111	APARLE Y YENARK
147	014654	112	PARLEYYENARKF
148	014654	151	RRVITL Y QCFSVS
149	014654	164	QRADAR y rhlial
150	014654	176	LFTQDE Y FAMVAE
			~
151	014654	191	SEQESW Y LLLSRL
152	014654	231	AAEPPF y kdvwqv
153	014654	291	$\mathtt{CGHSEQ}\mathbf{Y}\mathtt{FFLEVG}$
154	014654	343	RARCRS Y SISIGA
155	014654	487	EGSGGD Y MPMNNW
156	014654	615	SLKKRS Y FGKLTQ
157	014654	656	GGRFRL Y FCVDRG
158	014654	700	EDEDDP Y VPMRPG
159	014654	743	FEDSRG Y MMMFPR
160	014654	779	NDSESDYMFMAPG
161	014654	828	QNDNSE Y VPMLPG
162	014654	847	LDKEVS y nwdpkd
163	014654	899	SFITKG Y KIKPKP
	0 - 1 0 0 1		

164 014654 959 QSAFSNYVI 165 014654 1016 IEEEGDYII 166 014654 1038 ADSAIRYDA	EVIFN
166 014654 1038 ADSAIR¥DA	
166 014654 1038 ADSAIR¥DA	
	ΔFTGR
167 014654 1046 AETGRI Y VV	
168 014672 143 VEPAER Y II	
169 014672 163 HEDDINYPI	HKYGP
170 014672 257 KAIDTI Y Q	TTDFS
171 014713 91 PLDLIN Y II	DVAOO
172 014713 117 IMGVSK Y G	
173 014713 117 IMOVSK103	
174 014718 53 LGIFIK Y KI	
175 014718 95 GSWKFG Y AC	GCQVY
176 014718 166 IIGWAS Y AI	PDPTG
177 014744 116 ELNFGA Y LO	GLPAF
178 014744 179 TTHTEE Y SO	
180 014745 24 EKGPNG Y GI	
181 014745 38 KGKLGQ Y II	RLVEP
182 014745 164 KKGPSG Y G	FNLHS
183 014746 18 SLLRSH y ri	EVIPI
184 014746 122 TTSVRS Y LI	
185 014746 176 VCGPPL Y QI	
186 014746 325 TPCPPV Y AF	
187 014746 333 ETKHFL Y S	SGDKE
188 014746 386 PRLPQR Y W	OMRPL
189 014746 405 NHAQCP Y GV	
190 014746 462 SSPWQV Y GI	
191 014746 552 HWLMSV Y VV	
192 014746 562 LLRSFF Y V	TETTF
193 014746 576 KNRLFF Y RF	KSVWS
194 014746 638 PIVNMD Y VV	VGART
195 014746 667 LFSVLN y ei	
196 014746 717 VDVTGA Y D	
197 014746 739 IKPQNT Y CV	
198 014746 744 TYCVRR Y AV	
199 014746 772 LTDLQP Y MF	RQFVA
200 014746 825 RIRGKS Y V	OCOGI
201 014746 894 VRGVPE Y G	
202 014746 946 LEVQSD Y SS	
203 014746 1002 TVCTNI Y K	
204 014746 1010 ILLLQA Y RI	
205 014746 1044 DTASLC Y S	ILKAK
206 014746 1089 TRHRVT Y VI	PLLGS
207 014757 20 TLGEGA Y GH	
208 014757 218 SDSCQE Y SI	~
209 014757 390 LDADKSYQ0	
210 014777 228 NKLFLD Y T	
211 014777 435 AENSKG Y DI	FEIKF
212 014777 453 ANCLVK Y RA	AQVYV
213 014791 273 SLAGNT Y QI	
214 014791 351 LVLDVV Y LV	
215 014791 354 DVVYLV Y ES	
216 014818 21 HLFQVE Y AÇ	
217 014818 106 DPVTVE Y I	TRYIA
218 014818 110 VEYITR Y IA	ASLKO
219 014818 118 ASLKQR Y T	
220 014818 145 DGTPRLYQ	
221 014818 176 EFLEKN Y TI	NEWIE

222	014818	228	PEEIEK Y VAEIEK
223	014827	383	LETFLT Y PMFQIP
			==
224	014827	861	TPRHLR Y RQPGGQ
225	014827	1157	VPYLGM Y LTDLAF
226	014920	98	PLLAME Y CQGGDL
227	014920	135	IASALR Y LHENRI
228	014920	571	EQAREL Y RRLREK
229	014936	121	~
			EAVASH Y MRQILE
230	014936	196	VVKREP y GKPVDV
231	014936	708	GKKKKQ Y KDKYLA
232		69	
	014950		KNPTDA Y LDAMMN
233	014950	122	GTIQED Y LRELLT
234	014950	156	KKGNFN Y IEFTRI
235	014958		
		115	DEEGSL Y ILKGDR
236	014958	164	FERIED Y IKLIGF
237	014958	178	KSEDSE Y YKAFEE
238	014965	197	PNILRL Y GYFHDA
239	014965	320	SLGVLC y eflvgk
240	014965	338	NTYQET Y KRISRV
			==
241	014974	446	LRKTGS Y GALAEI
242	014974	901	TSAGDR y DSLLGR
243	014974	920	LEERKP y ssrlek
244	014979	252	EEQIKE Y FGAFGE
245	014979	371	YGGDQN Y SGYGGY
246	014979	382	GYDYTG Y NYGNYG
247	014994	169	LVRQHA Y SMALGE
248	014994	199	NSLYSV Y NFCSKP
249	014994	280	VAMAKT Y ATTEAF
250	015055	294	
			PFRMTP Y LVKVRD
251	015055	407	RARNGE Y ITLDTS
252	015055	529	TKNRSHYSHESGE
253			
	015084	50	PLHAAA Y LGDAEI
254	015084	224	MISVVK y LLDLGV
255	015084	444	GRSPLH Y AAANCN
256	015105	277	
			TRVGRL Y CVQEPS
257	015105	333	VDGVWV Y NRSSYP
258	015105	407	KGWGQC Y TRQFIS
259	015151	75	
			QEQHMV Y CGGDLL
260	015151	99	KDPSPL Y DMLRKN
261	015151	210	GNLRSNYTPRSNG
262	015160	95	VEKVLV Y NNTSIV
263	015160	124	DPRLFE Y RNQGDE
264	015160	306	ARVRDH Y IFSVES
265	015162	21	TNLPVGYPPQYPP
266	015162	25	VGYPPQ Y PPTAFQ
267	015162	36	FQGPPG Y SGYPGP
268	015162	39	PPGYSG Y PGPQVS
269	015162	46	PGPQVS Y PPPPAG
270	015162	101	CPPGLE Y LSQIDQ
271	015162	129	FETNNK Y EIKNSF
272	015162	140	SFGQRV¥FAAEDT
273	015162	205	PGVPIG Y VIQTWH
274	015169	346	VDGIPP Y RIRKQH
275	015169	788	SIVVAY¥FCGEPI
276	015169	822	KKGSYR Y YFKKVS
277	015232	218	ASGIEL Y AVGVDR
278	015232	244	LEEHVF Y VETYGV
279	015232	379	CECYEG Y TLNADK

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

338	015350	309	KADEDH y reqqal
339	015350	355	
			HGDEDT Y YLQVRG
340	015350	356	GDEDTY y lqvrgr
341	015350	389	QPLVDS Y RQQQQL
342	015350	407	HLQPPS Y GPVLSP
343	015350	487	CTPPPP Y HADPSL
344	015350	508	CPNCIEYFTSQGL
345	015350	518	QGLQSI Y HLQNLT
346	015350	537	LKIPEQ y rmtiwr
			~
347	015350	554	$ t LKQGHD oldsymbol{Y}STAQQL$
348	015357	22	SQAPSW Y HRDLSR
349	015357	62	FALCVL Y QKHVHT
			==
350	015357	69	QKHVHT y rilpdg
351	015357	102	GELIGL Y AQPNQG
352	015357	185	STVSHD Y LKGSYG
353	015357	190	DYLKGS Y GLDLEA
354	015357	467	TIPHDI Y VFGTQE
355	015357	497	ELTDLD y rpiamQ
356	015357	576	ARRNQN Y LDILRL
357	015357	610	WFGDLN Y RLDMDI
358	015357	661	ISFPPT y RYERGS
359	015357	663	FPPTYR Y ERGSRD
360	015357	671	RGSRDT \mathbf{Y} AWHKQK
361	015357	697	RILWKS y pethii
362	015357	707	HIICNS Y GCTDDI
363	015357	747	KTSDQA Y IEFESI
364	015357	770	KFFIEF Y STCLEE
		777	
365	015357		STCLEE Y KKSFEN
366	015357	815	ILADIE y LQDQHL
367	015357	831	VKSMDG Y ESYGEC
368	015357	834	MDGYES Y GECVVA
369	015357	886	GTRERL y ewisid
370	015357	987	FNNPAY Y VLEGVP
371	015357	1213	AIGLER Y EEGLVH
372	015372	120	HLHVGW Y QSTYYG
373	015372	140	LDSQFS Y QHAIEE
			~ ~
374	015372	326	AGQINT Y CQNIKE
375	015382	27	LCGPRR Y ASSSFK
376	015382	168	AAGTSL y vrpvli
377	015382	352	PVHRIL Y KDRNLH
378	015400	58	LOOKOOYTNOLAK
			~~ ~~ ~
379	015400	69	AKETDK y IKEFGS
380	015400	230	LSRAAD y QRKSRK
381	015455	9	QTLPCI Y FWGGLL
382	015455	74	$\mathtt{AANFTR}\mathbf{Y}\mathtt{SQLTSL}$
383	015455	283	TMLDLSYNNLNVV
384	015455	302	WLPQLE Y FFLEYN
385	015455	307	EYFFLE Y NNIQHL
386	015455	326	GLFNVR Y LNLKRS
387	015455	383	GLINLK Y LSLSNS
388	015455	462	ENIFEI Y LSYNKY
389	015455	465	FEIYLS Y NKYLQL
390	015455	468	YLSYNK Y LQLTRN
391	015455	556	NPGGPI Y FLKGLS
392	015455	675	PELSSHYLCNTPP
393	015455	683	CNTPPH Y HGFPVR
394	015455	733	GWRISF Y WNVSVH
395	015455	756	QTEQFE Y AAYIIH

396	015455	764	AYIIHA Y KDKDWV
397	015516	245	RTHRPS Y EDRVCF
398	015516	299	APPIIG Y LPFEVL
399	015516	339	KGKSCY Y RFLTKG
400	015530	108	LATSRE Y AIKILE
401	015530	126	KENKVP y VTRERD
402	015530	146	PFFVKL Y FTFQDD
403	015530	156	QDDEKL y fglsya
404	015530	161	LYFGLS Y AKNGEL
405	015530	170	NGELLK Y IRKIGS
406	015530	185	ETCTRF Y TAEIVS
407	015530	195	IVSALE Y LHGKGI
408	015530	248	FVGTAQ Y VSPELL
409	015530	273	ALGCIÎ Y QLVAGL
			==
410	015530	288	FRAGNE Y LIFQKI
411	015530	299	KIIKLE Y DFPEKF
412	015530	333	CEEMEG Y GPLKAH
413	015530	361	PPKLTA Y LPAMSE
414	015530	415	GSNIEQ Y IHDLDS
415	015530	485	TEGPHL Y YVDPVN
416	015530	486	EGPHLY Y VDPVNK
417	015530	523	HTPNRT Y YLMDPS
418	015530	524	TPNRTY Y LMDPSG
419		547	
	015530		EVWRQR Y QSHPDA
420	015547	25	GWGLLD y KTEKYV
421	015547	30	DYKTEK Y VMTRNW
422	015547	52	QFGIVV Y VVGWAL
423	015547	224	ETWDPT Y FKHCRY
424	015547	230	YFKHCR Y EPQFSP
425	015547	237	EPQFSP Y CPVFRI
			==
426	015547	285	SGCWPH Y SFQLQE
427	015547	294	QLQEKS y nfrtat
428	015547	317	RTLLKL Y GIRFDI
429	015547	361	CDLLLL Y VDREAH
430	015547	369	DREAHF y WRTKYE
431	015547	374	FYWRTK Y EEAKAP
432	015554	161	AMLLRL Y LVPRAV
433	015554	326	QEAWMF Y KHTRRK
434	015554	379	KMHMIL Y DLQQNL
435	043156	684	VCRACG Y DSLQHL
436	043156	974	ARAGPV Y SHTLAF
437	043156	1077	SGQQNP Y TTNVLQ
438	043164	146	NHSEGE Y IPGACS
439	043164	212	NREAEA Y TGLSPP
440	043164	576	DPQFLT Y MALEER
441	043175	174	GMKTIG Y DPIISP
442	043175	432	ALAGAP y QAVGLV
443	043175	495	GVRLLS Y QTSLVS
444	043255	140	VLFPCK Y ATTGCS
445	043255	239	LEKQEK Y EGHQQF
446	043255	263	QAENFA Y RLELNG
447	043257	101	VAEGPN Y LTACAG
448	043257	126	CGFPSP Y TCVSCG
449	043257	135	VSCGAR Y CTVRCL
450	043264	175	QKQNIL Y HLGEEW
451	043264	547	HHNNCMYIAHHLL
452	043264	649	VLPVNI Y CKAMGT
453	043294	279	PFCPECYFERFSP
400	U43434	413	T T O T D O T T D IN T O T

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

512	043561	36	HRLPGSYDSTSSD
513	043561	45	TSSDSL Y PRGIQF
			==
514	043561	64	APWPPA Y PPVTSY
515	043561	70	YPPVTS Y PPLSQP
516	043602	139	AKKVRF Y RNGDRY
	043602		
517		145	YRNGDR Y FKGIVY
518	043602	206	LEEGES Y VCSSDN
519	043633	72	LVRTRR y vrkfvl
520	043663	140	ILCMPHYDIDSAS
521	043663	310	YWDQCF Y SQEQRQ
522	043663	345	VRLKNY Y EVHKEL
523	043683	802	GAFAQV Y EATQGD
524			
	043683	984	SNKPWN Y QIDYFG
525	043683	988	WNYQID Y FGVAAT
526	043760	44	IVFSCI Y GEGYSN
527	043760	58	HESKQM Y CVFNRN
528	043760	70	NEDACR Y GSAIGV
529	043768	41	AKLKAK y pslgQk
530	043768	64	LQKGQK Y FDSGDY
531	043768	70	YFDSGD Y NMAKAK
532	043809	40	ERTINL Y PLTNYT
533	043809	158	$ exttt{NFEPPQ}\mathbf{Y} exttt{PYIPAH}$
534	043809	202	APLFEL Y DNAPGY
535	060256	110	IIGVIP y FPYSKQ
536	060256	180	QEEIPD y rnaviv
537	060256	291	LKERGA y KIFVMA
538	060260	149	
			YNSFYV Y CKGPCQ
539	060260	267	LDCFHL Y CVTRLN
540	060260	391	GTTTQA y rvdera
541	060285	143	KGELYD y iserrr
542	060285	310	WWVNWG Y KSSVCD
543	060285	478	QQRESG y yssper
544	060331	71	ASGETT Y KKTTSS
545	060331	89	IQLGIG Y TVGHLS
546	060331	108	VLMQDF Y VVESIF
547	060331	136	DFRFKT y apvafr
548	060331	143	APVAFR Y FRELFG
	060331		
549		155	GIRPDD Y LYSLCN
550	060331	157	RPDDYL Y SLCNEP
551	060331	178	ASGSLF Y VTSDDE
552	060331	205	QKLLPG Y YMNLNQ
553	060331	206	KLLPGY Y MNLNQN
554	060331	221	TLLPKF Y GLYCVQ
555	060331	224	PKFYGL Y CVQSGG
556	060331	259	DLKGST Y KRRASK
557	060331	275	EKSFPT Y KDLDFM
558	060331	317	SFKIMD Y SLLLGV
559	060331	354	VGQKAL Y STAMES
560	060331	403	IDILQS Y RFIKKL
561	060331	431	VHRPSF Y AERFFK
562	060331	489	EREEAQ Y DLRGAR
563	060331	497	LRGARS y ptlede
564	060331	549	TSEQPR¥RRRTQS
565	060331	654	VYSPLH Y SAQAPP
566	060343	935	QFLALQ Y RLRHRL
567	060343	1065	SRLLHD Y HRDLYN
568	060343	1258	EQEKMA Y QKTVEQ
569	060493	22	QNLNDA Y GPPSNF

570	060493	71	STVRRR Y SDFEWL
571	060493	154	EIIDKS y tpskir
572	060566	115	LQGEKR y ysdprf
			~
573	060566	162	ISWAEE y EARENF
574	060566	949	ANCSSP Y QVDLFG
			==
575	060602	33	DGRIAF¥RFCNLT
576	060602	57	LLLSFN y IRTVTA
577	060602	81	LELGSQ Y TPLTID
578	060602	127	LFELRL Y FCGLSD
579	060602	140	$AVLKDG\mathbf{Y}FRNLKA$
580	060602	161	NQIRSL Y LHPSFG
581	060602	209	LAANSL Y SRVSVD
582	060602	321	KVLNLA Y NKINKI
583	060602	333	IADEAF Y GLDNLQ
			==
584	060602	345	QVLNLS Y NLLGEL
585	060602	352	$\mathtt{NLLGEL}\mathbf{Y}\mathtt{SSNFYG}$
		357	
586	060602		LYSSNF Y GLPKVA
587	060602	364	GLPKVA Y IDLQKN
588	060602	442	ENLDIL Y FLLRVP
589	060602	508	SHLQVL Y LNHNYL
590	060602	513	LYLNHN Y LNSLPP
591	060602	609	GPPADI Y CVYPDS
592	060602	612	ADIYCV Y PDSFSG
593	060602	671	GFCFIC y KTAQRL
594	060602	691	GTEPDM Y KYDAYL
595	060602	693	EPDMYK Y DAYLCF
596	060602	696	MYKYDA Y LCFSSK
597	060602	774	CLEAFS Y AQGRCL
			==
598	060602	815	FVQKQQ y lrwped
599	060610	1101	KDAQEQYNKLRMM
600	060610	1115	SNMĒTL Y KELGEY
601	060610	1121	YKELGE Y FLFDPK
602	060658	194	PNIMACYNELLQL
603	060658	239	EDRFIQ y anpafe
604	060658	290	KEWQGI Y YAKKKN
605	060674	20	TSTSSI Y QNGDIS
606	060674	42	DPVLQV y lyhslg
607			GKSEAD Y LTFPSG
	060674	54	
608	060674	62	TFPSGE Y VAEEIC
609	060674	114	TRHNVL Y RIRFYF
610	060674	124	FYFPRW Y CSGSNR
611	060674	132	SGSNRAYRHGISR
612	060674	201	QTPLAI Y NSISYK
613	060674	206	IYNSIS Y KTFLPK
614	060674	254	RNLKLK Y LINLET
615	060674	266	TLQSAF Y TEKFEV
616	060674	317	EQDLQL Y CDFPNI
617	060674	423	GNQTGL Y VLRCSP
618	060674	481	KDLLNC y QMETVR
619	060674	590	DKAHRN Y SESFFE
620	060674	637	${ t FGSLDT} {f Y} { t LKKNKN}$
621	060674	766	QRKLQF Y EDRHQL
622	060674	790	INNCMD y epdfrp
623	060674	913	HDNIVK Y KGVCYS
624	060674	918	KYKGVC Y SAGRRN
625	060674	934	IMEYLP Y GSLRDY
626	060674	940	YGSLRD Y LQKHKE
627	060674	956	HIKLLQ Y TSQICK
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628	060674	1021	ESPIFW Y APESLT
629	060678	224	GVYFSS Y GHYGIH
630	060678	333	ISEWMG Y FLLFES
631	060678	359	AKGGSV Y PDICTI
632	060711	198	ERSGLA Y CPNDYH
633	060711	203	AYCPND Y HQLFSP
			~
634	060711	213	FSPRCA Y CAAPIL
635	060711	257	EKDKKP Y CRKDFL
636	060711	281	RPVLEN Y LSAMDT
637	060711	321	PFCELH Y HHRRGT
638	060711	346	CISAMGYKFHPEH
639	060711	375	EQNDKT Y CQPCFN
640	060716	96	DHSHLL Y STIPRM
641	060716	174	SSVSNN Y IQTLGR
642	060716	193	NGGPGP Y VGQAGT
643	060716	208	LPRNFH Y PPDGYS
644	060716	213	HYPPDG Y SRHYED
645	060716	241	TRIEERYRPSMEG
646	060716	248	RPSMEG Y RAPSRQ
647	060716	291	DQRSMGYDDLDYG
648	060716	296	GYDDLD Y GMMSDY
649	060716	302	YGMMSD Y GTARRT
650	060716	321	RRRLRS Y EDMIGE
651	060716	334	EVPSDQ Y YWAPLA
652	060716	335	VPSDQY Y WAPLAQ
653	060716	389	KSNAAA Y LQHLCY
654	060716	395	YLQHLC Y RNDKVK
655	060716	588	LLRNLS Y QVHREI
656	060716	600	IPQAER Y QEAAPN
657	060716	656	TSPARGYELLFQP
658	060716	668	PEVVRI Y ISLLKE
659	060716	698	CAGRWT Y GRYIRS
660	060716	701	RWTYGR Y IRSALR
661	060716	832	LQTIWG Y KELRKP
662	060763	81	DSEIIG Y ALDTLY
663	060763	590	ISKHEL Y SRASQK
			~
664	060763	655	DNIVTHYKNMIRE
665	060832	153	QSAGKE Y VGIVRL
666	060832	273	LDAQWL Y DNHKDE
667	060832	376	IMERDT Y PRKWGL
668	060841	593	MSSDSEYDSDDDR
669	060841	919	$\mathtt{LRVKNQ}\mathbf{Y}\mathtt{EKHKEV}$
670	060841	951	LPLLVA Y KEDEIP
671	060869	109	PQVIAD Y ESGRAI
672	060870	95	~
			VHNNIV Y NEYISH
673	060870	298	KKLGEK Y HKKKAI
674	060870	312	KEVIDK y TAVVKM
675	060885	118	KRLENN Y YWNAQE
676	060885	390	ALGLHD Y CDIIKH
677	060885	1054	HHKSDP Y STGHLR
678	060928	40	AQRGLA Y LRDAWG
679	060928	209	RVSAVL Y QERENG
680	060928	311	RGSKGE Y QIKMEN
681	060934	110	SKFRIE Y EPLVAC
682	060934	176	PIVKPE Y FTEFLK
683	060934	679	SGINDD Y GQLKNF
684	075030	25	EEPKTY Y ELKSQP
685	075030	142	RQQVKQ Y LSTTLA
	0,000		1,XX 11,X=110.1.1.111

686	075030	471	TEANQA Y SVPTKM
687	075044	120	TTLSDI Y LNNIIP
688	075044	161	KVLNEL Y SVMKTY
689	075044	830	GHVADI Y LANINK
690	075056	79	DELDDL Y SGSGSG
691	075056	86	SGSGSG Y FEQESG
692	075116	75	DNFLNR Y EKIVKK
693	075116	92	QMKAED Y DVVKVI
694	075116	118	KASQKV Y AMKLLS
695	075116	164	AFQDDR Y LYMVME
696	075116	166	QDDRYL y mvmeym
697	075116	171	LYMVME Y MPGGDL
698	075116	184	VNLMSN y DVPEKW
699	075116	256	AVGTPD Y ISPEVL
700	075116	271	QGGDGF Y GRECDW
701	075116	285	SVGVFL Y EMLVGD
702	075116	295	VGDTPF Y ADSLVG
703	075116	303	DSLVGT Y SKIMDH
704		415	PFIGFT Y YRENLL
	075116		
705	075116	416	FIGFTY Y RENLLL
706	075116	450	EIQKKL Y TLEEHL
707	075116	515	==
			QHKNAE Y QRKADH
708	075116	1084	TQQMIK Y QKELNE
709	075116	1174	FGWVKK Y VIVSSK
710	075116	1185	SKKILF y dseqdk
711	075116	1232	RIFQIL Y ANEGES
712	075116	1255	VGEKSN Y ICHKGH
713	075116	1268	EFIPTL Y HFPTNC
714	075116	1318	IAPCKV Y YDISTA
715	075116	1319	APCKVY Y DISTAK
716	075143	148	
			RKQGHE Y VILYRI
717	075143	231	PMHPCN Y RTAGED
718	075143	285	GSADLA Y PVVFAA
719		145	
	075151		VPAPTF Y VSDVEN
720	075151	677	KPVRDE y EYVSDD
721	075151	875	CFKDSD Y VYPSLE
722	075154	317	
			MGSESTYSECETF
723	075154	435	SKKVAR Y LHQSGA
724	075154	737	NFRLQD Y IDRIIV
725	075155	341	
			QESEDE Y SDDDDM
726	075155	883	VRAAAS Y ALGRVG
727	075155	1095	AAFECM Y SLLESC
728	075179	798	SQDVQGYITNQSP
729	075179	2038	PTAKEHYPVSSPS
730	075179	2536	GMPFSV Y GNAMIP
731	075348	47	QAEIEQ Y RLQREK
732	075348	87	MTILQT Y FRQNRD
733	075367	48	GVGAPV Y MAAVLE
734	075367	55	MAAVLE Y LTAEIL
735	075367	337	LKAISS¥FVSTMS
736	075381	109	GSRWRD Y GALAII
737	075381	127	FGFHQL Y KKYLLP
738	075381	290	EGSTVT Y HLLGPQ
739	075410	533	PEEDLE Y FECSNV
740	075410	628	NEWKKK Y EETRQE
741	075410	719	KKCAQD Y LARVKQ
742	075449	22	YALLGN Y DSAMVY
743	075449	39	LDQMNK y lysvkd
, 10	0,011	<u> </u>	TDŽITI(TTTO ATA

	1		
744	075449	378	RLEKRI y IPLPSA
745	075496	98	ENPSSQ Y WKEVAE
746	075496	111	KRRKAL Y EALKEN
747	075496	150	VAEHVQ¥MAELIE
			~
748	075530	80	KSKKCKYSFKCVN
749	075530	148	DADENFYTCAWTY
750	075530	308	RDIHRN Y VDCVRW
751	075531	43	RGFDKA Y VVLGQF
752	075533	44	YYDQEI Y GGSDSR
753	075533	928	GKRVKP Y LPQICG
			==
754	075533	1167	MGKDYI Y AVTPLL
755	075563	11	SSTSSPYPLPEEI
756	075563	59	KDVKSI Y LQEFQD
757	075563	93	SLASER y DKDDEA
758	075563	122	FVLKAG Y LEKRRK
759	075563	150	LSKTVF Y YYGSDK
760	075563	152	KTVFYY Y GSDKDK
761	075563	169	EFAIDG Y SVRMNN
762	075563	230	DIIPED y dergel
763	075563	237	DERGEL Y DDVDHP
764	075563	298	GDKSTD Y ANFYQG
765	075563	302	TDYANF Y QGLWDC
			==
766	075563	325	KRGDVI Y ILSKEY
767	075563	331	YILSKE Y NRYGWW
768	075563	334	SKEYNR Y GWWVGE
769	075569	145	GWRLPE Y TLSQEG
770	075569	159	PAHKRE Y TTICRL
771	075569	258	QGFNIT Y LDIDEL
			~
772	075581	66	FSHGLI Y WSDVSE
773	075581	706	VEFGLD Y PEGMAV
774	075581	1584	LSAEEN Y ESCPPS
775	075582	359	TEMDPT Y SPAALP
776	075582	375	EKLFQG Y SFVAPS
777	075582	523	SETEAS Y IMRKLV
778	075636	107	ATLSGWYHLCLPE
779	075636	207	LGEVDH Y QLALGK
780	075636	267	SNLNGR Y AVSEAA
781	075689	34	DPDWAS Y TLGVFI
782	075689	131	EPYSAG Y REGFLW
783	075689	258	NYLKEG Y MEKTGP
784	075716	20	IIDNKRYLFIQKL
785	075716	33	GEGGFS Y VDLVEG
786	075716	46	LHDGHF Y ALKRIL
787	075716	83	ILRLVA Y CLRERG
788	075716	144	AIHAKG Y AHRDLK
789	075716	226	SLGCVL Y AMMFGE
790	075716	235	MFGEGP Y DMVFQK
791			
	075807	118	DDDDGMYGEREAT
792	075807	179	GVNKFS Y PPSHRE
793	075807	344	FLKAWV Y WPGEDT
794	075807	484	HFRGWG Y RPGKET
795	075821	70	IKTVTE Y KIDEDG
796	075821	171	WTTRCP Y KDTLGP
797	075821	305	GVSGFG Y DHLILN
798	075822	170	KDKITQ Y EKSLYY
799	075822	243	KDDLAD Y GGYDGG
800	075822	246	LADYGG Y DGGYVQ
801	075915	43	VSNLLY Y QTNYLV
_ = - '			<u>~:</u>

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

860	095251	305	ENLTSE Y DLDLFR
861	095251	435	
			LDHKTL Y YDVEPF
862	095251	530	KEVLLR \mathbf{Y} LHNFQG
863	095267	131	ICYFVR y WITEFW
864	095267	344	DNYRRAYGECTDF
865	095267	704	TAQDTL y VLPSPT
866	095278	86	RVDTFW Y KFLKRE
867	095278	283	VCGWLQ Y VMGWNL
868	095278	304	AKRPAV y ideeal
869	095297	41	VSALEV y tpkeif
870	095297	90	TVSFFH Y SQGQVY
871	095297	96	YSQGQV Y LGNYPP
872	095297	100	QVYLGN Y PPFKDR
873	095297	133	FIHNGTYICDVKN
874	095297	153	PGHIRL Y VVEKEN
875	095297	191	MILAVL Y RRKNSK
876	095297	200	KNSKRDYTGCSTS
877	095373	328	LQQTLN Y INQGVS
878	095373	416	KTMGFC Y QILTEP
			==
879	095373	719	KYLEMI Y SMCKKV
880	095453	76	GLCTFK Y DYTDSK
881	095453	381	QLHEAG Y DAYITG
			~
882	095453	500	AVNTSK Y AESYRI
883	095470	29	STKAKN Y VNGHCT
884	095470	164	ELLVKA Y GDFAWS
885	095470	550	VFLDSL Y STDTVT
886	095477	1317	$ exttt{MDGKGS}\mathbf{Y} exttt{QVKGWK}$
887	095477	1532	WVNEFR Y GGFSLG
888	095477	2139	NRFGDG Y TIVVRI
889	095551	61	ERALNS y feppve
890	095551	143	CSYLAL Y SPDVIF
891	095551	158	EVIPPY Y SYLKKR
892	095630	50	IRMASI y SEEGNI
893	095630	114	AELLKR y tkeyte
894	095630	118	KRYTKE Y TEYNEE
895	095633	142	GSDGAT y RDECEL
896	095633	163	PDLSVM Y RGRCRK
897	095633	218	GNNNVTYISSCHM
898	095644	47	EEEHYG Y ASSNVS
899	095644	189	NSEASS Y ESNYSY
900	095644	924	EELDQL Y LDDVNE
901	095714	2566	NDDYAV Y VRENIQ
902	095714	3620	VESSHPYTDDTST
903	095714	4271	TEDGEVYTWGDND
904	095777	8	TSALENYINRTVA
905	095777	60	QVVLGL Y IVRGDN
906	095785	406	EASALL Y QPYGAA
907	095785	409	ALLYQP Y GAAVGL
908	095785	705	EERKCP Y CPDRFH
909	095786	213	SDIQIF Y QEDPEC
910	095786	426	TDEALDYICKLCA
911	095786	548	TSHLRK y ndalii
912	095810	103	LTKLSK Y QASTSN
			==
913	095810	395	QAQKVR Y EGSYAL
914	095810	399	VRYEGS Y ALTSEE
915	095835	283	YSGNME Y VISRIS
916	095835	769	EWVVRL Y YSFQDK
917	095835	927	VLLRTG Y TQLCDW

918	095863	126	SLEAEA y aafpgl
919			
	095863	158	KAFNCK Y CNKEYL
920	095863	236	HSDVKK Y QCQACA
921	095866	128	VLGDRT Y CKAPGP
922	095866	140	PTHGSV Y PQLLIP
923	095972	137	VRATVV Y RHHLQL
924	095972	362	SCVPYK Y VPISVL
925	095972	378	ANGSIL Y KEYEGM
926	095997	111	PASDDA Y PEIEKF
927	096013	373	VVIMRD Y QHENVV
928	096013	382	ENVVEM Y NSYLVG
929	096013	480	SLVGTP y wmapel
930	096017	136	LKRTDK y RTYSKK
931	096017	327	EATCKL Y FYQMLL
932	096017	445	QITSGK Y NFIPEV
933	096019	21	VFDIGS Y TVRAGY
934	096019	186	IPVHDG Y VLQQGI
935	096019	416	WISKQE Y EEGGKQ
936	096033	11	
			CQVEVL Y FAKSAE
937	096033	63	FAVRQE Y VELGDQ
938	P00167	11	SDEAVK y ytleei
939	P00167	12	
			DEAVKYYTLEEIQ
940	P00167	35	ILHHKV Y DLTKFL
941	P00325	35	VAPPKA Y EVRIKM
942	P00325	181	CGFSTG Y GSAVNV
943	P00325	320	TWKGAV Y GGFKSK
944	P00367	429	MVIPDL Y LNAGGV
945	P00367	439	GGVTVS Y FEWLKN
946	P00367	512	VHSGLA Y TMERSA
947	P00439	138	ANQILS Y GAELDA
			==
948	P00439	325	EKLATI Y WFTVEF
949	P00439	377	KTAIQN Y TVTEFQ
950	P00450	260	QESNRM Y SVNGYT
951	P00450	713	GGMKQK Y TVNQCR
952	P00450	1011	YKHRGV Y SSDVFD
953	P00451	1440	HLPAAS Y RKKDSG
954	P00451	1781	LGLLGP Y IRAEVE
955	P00451	1998	MALYNL Y PGVFET
956	P00480	167	NGLSDL Y HPIQIL
			~
957	P00480	176	IQILAD Y LTLQEH
958	P00480	345	VSLLTD Y SPQLQK
959	P00491	88	QGRFHM Y EGYPLW
		166	PAMSDA Y DRTMRQ
960	P00491		~
961	P00491	192	ELQEGT Y VMVAGP
962	P00492	81	FADLLD Y IKALNR
963	P00492	105	FIRLKSYCNDQST
964	P00492	191	DKFVVG Y ALDYNE
965	P00558	76	VPMPDK y Slepva
966	P00558	161	
			SKLGDV Y VNDAFG
967	P00558	196	MKKELN Y FAKALE
968	P00568	95	GFLIDG Y PREVQQ
969	P00568	154	~~
			KRLETY Y KATEPV
970	P00568	164	EPVIAF Y EKRGIV
971	P00734	67	VEETCS Y EEAFEA
972	P00734	359	RELLES Y IDGRIV
973	P00734	600	CDRDGK Y GFYTHV
974	P00736	222	PDLRCN Y SIRVER
975	P00736	684	IGCSRG Y GFYTKV
1 21J	100/30	004	TACNICATILITIV

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

1034	P01236	196	ESRLSA Y YNLLHC
1035	P01236	213	SHKIDNYLKLLKC
1036	P01241	68	IPKEQK Y SFLQNP
1037	P01241	137	ASDSNV y DLLKDL
1038	P01241	190	KNYGLL Y CFRKDM
1039	P01258	58	AALVQN Y VQMKAS
1040	P01258	96	TCMLGT Y TQDFNK
1041	P01266	325	CRRNGD Y QAVQCQ
1042	P01266	1114	
			CLETGE Y ARLQAS
1043	P01266	2478	VSGPFH Y WGPVID
1044	P01275	62	GTFTSD Y SKYLDS
1045	P01275	65	TSDYSK y ldsrra
1046	P01275	110	TSDVSS Y LEGQAA
1047	P01282	29	TSAWPL Y RAPSAL
1048	P01282	72	AENDTP Y YDVSRN
1049	P01282	102	QLSAKK y leslmg
1050	P01286	32	TLRMRR¥ADAIFT
1051	P01286	41	AIFTNS Y RKVLGQ
1052	P01303	29	GALAEA Y PSKPDN
1053	P01303	48	AEDMAR y ysalrh
1054	P01303	64	LITRQR Y GKRSSP
1055	P01350	87	EEEEEA Y GWMDFG
	P01579	22	
1056			LGSLGC Y CQDPYV
1057	P01579	27	CYCQDP Y VKEAEN
1058	P01579	121	FEKLTN Y SVTDLN
1059	P01591	85	LRTRFV Y HLSDLC
1060	P01591	124	SATETC Y TYDRNK
1061	P01591	132	YDRNKC Y TAVVPL
1062	P01700	36	TGNNYV Y WYQQLP
	P01700		
1063		51	APKLLI Y RDDKRP
1064	P01700	88	SEDEAH Y HCAAWD
1065	P01744	46	SCKASG Y TFIDSY
1066	P01744	52	YTFIDS Y IHWIRO
			~
1067	P01744	126	PFWSDY Y NFDYSY
1068	P01772	32	GFIFSS Y AMYWVR
1069	P01772	35	FSSYAM Y WVROAP
	P01772		~
1070		115	SCFGPD Y WGQGTP
1071	P01814	96	VDTATY Y CARVVN
1072	P01814	110	VMAGYY Y YYMDVW
1073	P01814	111	MAGYYY Y YMDVWG
1074	P01825	33	STFSND Y YTWVRQ
1075	P01825	53	WIGYVF Y HGTSDD
1076	P01825	94	ADTAVY Y CARNLI
1077	P02008	43	HPQTKT Y FPHFDL
1078	P02008	90	LSELHAYILRVDP
1079	P02511	48	TSLSPF Y LRPPSF
1080	P02511	122	REFHRK y ripadv
1081	P02545	45	NDRLAV Y IDRVRS
1082	P02545	211	DFQKNI Y SEELRE
1083	P02545	646	NLVTRS Y LLGNSS
1084	P02647	53	KDSGRD Y VSQFEG
1085	P02647	139	QEEMEL Y RQKVEP
1086	P02647	216	GARLAE Y HAKATE
1087	P02649	54	LGRFWD Y LRWVQT
1088	P02649	92	MKELKA Y KSELEE
1089	P02649	180	QKRLAV Y QAGARE
1090	P02652	44	FQTVTD Y GKDLME
1091	P02652	64	QAEAKS y fekske
	102002	0 1	×111110 = 1 1110111

1092	P02652	89	$ t LVNFLS {f Y}FVELGT$
1093	P02671	601	TFESKS Y KMADEA
1094	P02671	809	YGGGWW Y NNCQAA
1095	P02671	851	SFRGAD y Slravr
1096	P02675	149	SSFOYM Y LLKDLW
			~
1097	P02675	315	NTDGKN Y CGLPGE
1098	P02675	375	QISVNK y rgtagn
1099	P02679	94	KAIQLT Y NPDESS
			==
1100	P02679	375	HLNGVY Y QGGTYS
1101	P02679	380	YYQGGT Y SKASTP
1102	P02686	148	QRHGSK Y LATAST
1103	P02686	261	QRPGFG Y GGRASD
1104	P02686	268	GGRASD Y KSAHKG
1105	P02730	58	PGTHKV Y VELQEL
	P02730	278	~
1106			EAPHID Y TQLGRA
1107	P02730	299	VFRIDA y maqsrg
1108	P02730	347	ELLRRR Y QSSPAK
	P02730	390	~
1109			RDIRRRYPYYLSD
1110	P02730	392	IRRRYP y ylsdit
1111	P02730	393	RRRYPY Y LSDITD
1112	P02730	413	AAVIFI Y FAALSP
1113	P02730	486	ETNGLE Y IVGRVW
1114	P02730	519	VRFISR Y TQEIFS
1115	P02730	534	ISLIFI Y ETFSKL
1116	P02730	553	HPLQKT Y NYNVLM
1117	P02730	555	LQKTYN Y NVLMVP
1118	P02730	596	KFKNSS Y FPGKLR
1119	P02730	628	
			FFIQDT Y TQKLSV
1120	P02730	794	LFGIFL Y MGVTSL
1121	P02730	818	LFKPPK Y HPDVPY
1122	P02730	824	YHPDVP Y VKRVKT
1123	P02741	37	KESDTS Y VSLKAP
1124	P02741	72	GYSIFS Y ATKRQD
1125	P02741	91	WSKDIG Y SFTVGG
1126	P02745	84	NPGKVG Y PGPSGP
1127	P02745	144	TNQEEP Y QNHSGR
1128	P02745	227	PKKGHI Y QGSEAD
1129	P02746	153	TNMNNNYEPRSGK
1130	P02746	200	VVTFCD Y AYNTFQ
1131	P02746	202	TFCDYA Y NTFQVT
1132	P02751	937	ESAVTG Y RVDVIP
1133	P02751	1248	
			EYNVSV Y TVKDDK
1134	P02751	1519	DYTITV Y AVTGRG
1135	P02763	109	NGTISR Y VGGQEH
1136	P02763	128	LRDTKT Y MLAFDV
1137	P02763	160	EQLGEF Y EALDCL
1138	P02765	56	QNLPWG Y KHTLNQ
1139	P02765	129	GKFSVV Y AKCDSS
1140	P02765	227	
			LLAEKQ Y GFCKAT
1141	P02766	89	EFVEGI Y KVEIDT
1142	P02766	125	DSGPRR y TIAALL
1143	P02766	134	AALLSP Y SYSTTA
1144	P02768	365	ARRHPDYSVVLLL
1145	P02768	377	LRLAKT Y ETTLEK
1146	P02768	476	MPCAED Y LSVVLN
1147	P02771	60	FVQEAT y kevskm
1148	P02771	151	VTSCEAYEEDRET
1149	P02771	377	LRVAKG Y QELLEK

1151				
1152	1150	P02786	88	MIGYLG Y CKGVEP
1152	1151	P02786	168	DENT.AL. Y VENOFR
1154				
1154				
1155				
1156	1154	P02788	417	MSLDGG Y VYTAGK
1156	1155	P02788	681	KTTYEK Y I,GPOYV
1157				~
1158				
1159		P02792	31	LQASYT Y LSLGFY
1159	1158	P02792	165	EAGLGE Y LFERLT
1160	1159	P02808	35	RIGREG Y GYGPYO
1161				~
1162				==
1163				~ ~ ~
1164	1162	P02814	30	RGPRGP Y PPGPLA
1164	1163	P02814	54	PPPPPP Y GPGRIP
1165				
1166				
1167				~
1168	1166	P02818	54	RPRRYL Y QWLGAP
1168	1167	P02818	63	LGAPVP Y PDPLEP
1169				
1170				
1171				
1172				
1172	1171	P03372	60	YPEGAA Y EFNAAA
1173	1172	P03372	73	AANAOVYGOTGI.P
1174				
1175				
1176				
1177	1175	P03372	131	GQQVPY Y LENEPS
1177	1176	P03372	139	ENEPSGYTVREAG
1178				
1179				
1180 P03372 195 NDYASGYHYGVWS 1181 P03372 197 YASGYHYGVWSCE 1182 P03372 219 IQGHNDYMCPATN 1183 P03372 246 CRLRKCYEVGMMK 1184 P03372 328 AEPPILYSEYDPT 1185 P03372 331 PILYSEYDPTRPF 1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEA 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKND 1196 P03956 121 TYRIENYTPDLPR 1198 P03956				
1181 P03372 197 YASGYHYGVWSCE 1182 P03372 219 IQGHNDYMCPATN 1183 P03372 328 AEPPILYSEYDPT 1184 P03372 321 PILYSEYDPTRPF 1185 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYNLKNDG 1194 P03956 41 QKYLEKYYNLKNDG 1194 P03956 42 KYLEKYYNLKNDG 1196 P03956 42 KYLEKYYNLKNDG 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240	1179	P03372		CAVCNDYASGYHY
1182	1180	P03372	195	NDYASG Y HYGVWS
1182	1181	P03372	197	YASGYH Y GVWSCE
1183 P03372 246 CRLRKCYEVGMMK 1184 P03372 328 AEPPILYSEYDPT 1185 P03372 331 PILYSEYDPTRPF 1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 42 KYLEKYYNLKNDG 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956				
1184 P03372 328 AEPPILYSEYDPT 1185 P03372 331 PILYSEYDPTRPF 1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKNDG 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 42 KYLEKYYNLKNDG 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 240 ALMYPSYTFSGDV 1201 P03956 240 ALMYPSYTFSGDV 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 <				==
1185 P03372 331 PILYSEYDPTRPF 1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYNLKND 1194 P03956 41 QKYLEKYYNLKNDG 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348				
1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 16 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348 <t< td=""><td>1184</td><td>P03372</td><td>328</td><td>AEPPILYSEYDPT</td></t<>	1184	P03372	328	AEPPIL Y SEYDPT
1186 P03372 459 LLNSGVYTFLSST 1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 16 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348 <t< td=""><td>1185</td><td>P03372</td><td>331</td><td>PILYSEYDPTRPF</td></t<>	1185	P03372	331	PILYSE Y DPTRPF
1187 P03372 526 KGMEHLYSMKCKN 1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 302 FFKDRFYMRTNPF 1203 P03956 302 FFKDRFYMRTNPF 1203 P03956 332 NGLEAAYEFADRD 1204 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 <				T.T.NSCVVTFT.SST
1188 P03372 582 SHSLQKYYITGEA 1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348 FFKGNKYWAVQGQ 1205 P03956 365 GYPKDIYSSFGFP				
1189 P03372 583 HSLQKYYITGEAE 1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348 FFKGNKYWAVQGQ 1205 P03956 365 GYPKDIYSSFGFP				
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1190 P03950 30 AQDNSRYTHFLTQ 1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 348 FFKGNKYWAVQGQ 1205 P03956 365 GYPKDIYSSFGFP	1189	P03372	583	HSLQKY Y ITGEAE
1191 P03950 49 QGRDDRYCESIMR 1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP	1190	P03950	30	AODNSR Y THFLTO
1192 P03950 118 PWPPCQYRATAGF 1193 P03956 37 VDLVQKYLEKYYN 1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1193				
1194 P03956 41 QKYLEKYYNLKND 1195 P03956 42 KYLEKYYNLKNDG 1196 P03956 116 EQTHLTYRIENYT 1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1195				VDLVQK y LEKYYN
1195	1194	P03956	41	QKYLEK Y YNLKND
1196				
1197 P03956 121 TYRIENYTPDLPR 1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1198 P03956 210 TNNFREYNLHRVA 1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1199 P03956 237 DIGALMYPSYTFS 1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP	1198	P03956		TNNFREYNLHRVA
1200 P03956 240 ALMYPSYTFSGDV 1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP	1199	P03956	237	DIGALMYPSYTFS
1201 P03956 260 DGIQAIYGRSQNP 1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1202 P03956 302 FFKDRFYMRTNPF 1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1203 P03956 309 MRTNPFYPEVELN 1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1204 P03956 332 NGLEAAYEFADRD 1205 P03956 348 FFKGNKYWAVQGQ 1206 P03956 365 GYPKDIYSSFGFP				
1205 P03956 348 FFKGNK Y WAVQGQ 1206 P03956 365 GYPKDI Y SSFGFP				MRTNPF Y PEVELN
1205 P03956 348 FFKGNK Y WAVQGQ 1206 P03956 365 GYPKDI Y SSFGFP	1204	P03956	332	NGLEAA Y EFADRD
1206 P03956 365 GYPKDI Y SSFGFP	1205	P03956	348	FFKGNK Y WAVOGO
I IZUZ I PUSMSM SMU I BNUUGKUVANK				
1207 100000 000 ENIGHTEEVANK	120/	PU3936	390	ENTGKT¥FFVANK

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

1266				
1268	1266	P04424	263	AEDLIL Y CTKEFS
1268	1267	P04424	375	TATDLA Y YLVRKG
1269				
1270				
1271				
1272	1270	P04626	83	IQEVQG Y VLIAHN
1272	1271	P04626	112	OLFEDNYALAVID
1273				
1274				
1275	1273	P04626	289	PNPEGRYTFGASC
1276	1274	P04626	301	CVTACP Y NYLSTD
1276	1275	P04626	303	TACPYNYLSTDVG
1277				
1278				
1279				EITGYL Y ISAWPD
1280	1278	P04626	554	QGLPRE Y VNARHC
1280	1279	P04626	590	CVACAHYKDPPFC
1281				
1282				~~
1283				GAFGTV Y KGIWIP
1284	1282	P04626	772	EILDEA Y VMAGVG
1284	1283	P04626	781	AGVGSP y vsrlig
1285				
1286				
1287 P04626 923 TFGAKPYDGIPAR 1288 P04626 952 ICTIDVYMIMVKC 1289 P04626 1005 PLDSTFYRSLLED 1290 P04626 1112 PSPLQRYSEDPTV 1291 P04626 1127 PSETDGYVAPLTC 1292 P04629 72 ENLTELYIENQQH 1293 P04629 359 HVNNGNYTLLAAN 1294 P04629 591 LLMVFEYMRHGDL 1295 P04629 640 VAAGMVYLAGLHF 1296 P04629 701 PPESILYRKFTTE 1297 P04629 723 LWEIFTYGKQPWY 1298 P04629 723 LWEIFTYGKQPWY 1299 P04629 757 ACPPEVYAIMRGC 1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 217 NMIIRRYSDESGN 1302 P04632 217 NMIIRRYSDESGN 1303 P04637 205 GNLRVEYLOBNT 1304 P04637				DIDETEYHADGGK
1287 P04626 923 TFGAKPYDGIPAR 1288 P04626 952 ICTIDVYMIMVKC 1289 P04626 1005 PLDSTFYRSLLED 1290 P04626 1112 PSPLQRYSEDPTV 1291 P04626 1127 PSETDGYVAPLTC 1292 P04629 72 ENLTELYIENQQH 1293 P04629 359 HVNNGNYTLLAAN 1294 P04629 591 LLMVFEYMRHGDL 1295 P04629 640 VAAGMVYLAGLHF 1296 P04629 701 PPESILYRKFTTE 1297 P04629 723 LWEIFTYGKQPWY 1298 P04629 723 LWEIFTYGKQPWY 1299 P04629 757 ACPPEVYAIMRGC 1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 217 NMIIRRYSDESGN 1302 P04632 217 NMIIRRYSDESGN 1303 P04637 205 GNLRVEYLOBNT 1304 P04637	1286	P04626	908	QSDVWS Y GVTVWE
1288 P04626 952 ICTIDVYMIMVKC 1289 P04626 1005 PLDSTFYRSLED 1290 P04626 1112 PSPLQRYSEDPTV 1291 P04626 1127 PSETDGYVAPLTC 1292 P04629 72 ENLTELYIENQQH 1293 P04629 359 HVNNGNYTLLAAN 1294 P04629 591 LLMVFEYMRHGDL 1295 P04629 640 VAAGMYYLAGLHF 1296 P04629 701 PPESILYRKFTTE 1297 P04629 723 LWEIFTYGKQPWY 1298 P04629 723 LWEIFTYGKQPWY 1298 P04629 757 ACPPEYAIMRGC 1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 217 NMITRRYSDESGN 1302 P04637 205 GNLRVEYLDDRNT 1305 P04637 205 GNLRVEYLDDRNT 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745	1287	P04626	923	TEGAKPYDGIPAR
1289				
1290				
1291				PLDSTF Y RSLLED
1292	1290	P04626	1112	PSPLQR Y SEDPTV
1292	1291	P04626	1127	PSETDGYVAPLTC
1293				
1294				
1295				
1296	1294	P04629	591	LLMVFE y mrhgdl
1296	1295	P04629	640	VAAGMV Y LAGLHF
1297				
1298 P04629 729 YGKQPWYQLSNTE 1299 P04629 757 ACPPEVYAIMRGC 1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 210 HLNEHLYNMITR 1302 P04632 217 NMITRYSDESGN 1303 P04637 103 VPSQKTYQGSYGF 1304 P04637 220 HSVVVPYEPPEVG 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 82 RYQPVSYKLCTRS 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 332 DHHSTHYRASEEE 1314 P05060 341 SEEEPEYGEEIKG 1316 P05060				
1299 P04629 757 ACPPEVYAIMRGC 1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 210 HLNEHLYNMIIRR 1302 P04632 217 NMIIRRYSDESGN 1303 P04637 103 VPSQKTYQGSYGF 1304 P04637 205 GNLRVEYLDDRNT 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1319 P05060 362				==
1300 P04632 178 KRWQAIYKQFDTD 1301 P04632 210 HLNEHLYNMIIRR 1302 P04632 217 NMIIRRYSDESGN 1303 P04637 103 VPSQKTYQGSYGF 1304 P04637 205 GNLRVEYLDDRNT 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 348 GEEIKGYPGVQAP 1316 P05060 348 GEEIKGYPGVQAP 1318 P05060 370 GRGSEEYRAPRPQ 1320 P05060 429		P04629		YGKQPW Y QLSNTE
1301	1299	P04629	757	ACPPEV Y AIMRGC
1301	1300	P04632	178	KRWOAT Y KOFDTD
1302 P04632 217 NMIIRRYSDESGN 1303 P04637 103 VPSQKTYQGSYGF 1304 P04637 205 GNLRVEYLDDRNT 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRQ 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471				
1303 P04637 103 VPSQKTYQGSYGF 1304 P04637 205 GNLRVEYLDDRNT 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRQ 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474				
1304 P04637 205 GNLRVEYLDDRNT 1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474			217	NMIIRR Y SDESGN
1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP	1303	P04637	103	VPSQKT Y QGSYGF
1305 P04637 220 HSVVVPYEPPEVG 1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP	1304	P04637	2.0.5	GNIRVEYLDDRNT
1306 P04745 82 RYQPVSYKLCTRS 1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1307 P04745 197 RSKIAEYMNHLID 1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1308 P04745 348 FMLAHPYGFTRVM 1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
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1309 P04792 54 GSSWPGYVRPLPP 1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP	1308	P04745	348	$ extstyle{ t FMLAHP} extbf{Y} extstyle{ t GFTRVM}$
1310 P04792 73 AVAAPAYSRALSR 1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				CSSWDC V VRDI.DD
1311 P04792 133 RQDEHGYISRCFT 1312 P05060 142 EPQWSLYPSDSQV 1313 P05060 173 EEEGENYQKGERG 1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
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1314 P05060 332 DHHSTHYRASEEE 1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP		P05060		
1315 P05060 341 SEEEPEYGEEIKG 1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1316 P05060 348 GEEIKGYPGVQAP 1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1317 P05060 362 DLEWERYRGRGSE 1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP	1316	P05060	348	GEEIKG Y PGVQAP
1318 P05060 370 GRGSEEYRAPRPQ 1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP	1317	P05060	362	DLEWERYRGRGSE
1319 P05060 389 EEDKRNYPSLELD 1320 P05060 429 GGEPRAYFMSDTR 1321 P05060 471 KELDRNYLNYGEE 1322 P05060 474 DRNYLNYGEEGAP				
1320 P05060 429 GGEPRA Y FMSDTR 1321 P05060 471 KELDRN Y LNYGEE 1322 P05060 474 DRNYLN Y GEEGAP				
1321 P05060 471 KELDRN Y LNYGEE 1322 P05060 474 DRNYLN Y GEEGAP				
1322 P05060 474 DRNYLN Y GEEGAP		P05060	429	GGEPRA Y FMSDTR
1322 P05060 474 DRNYLN Y GEEGAP	1321	P05060	471	KELDRN Y LNYGEE
ISZS FUSUOU SUO KFQDKQ I SSHHTA				
	1323	PU3U6U	306	KryDKY I SSHHTA

1324	P05060	525	GELFNP Y YDPLQW
1325	P05060	526	ELFNPY Y DPLQWK
1326	P05060	566	KNFFPE Y NYDWWE
1327	P05060	568	FFPEYN Y DWWEKK
1328	P05060	584	EDVNWG Y EKRNLA
1329	P05060	601	LDLKRQ y drvaql
1330	P05060	613	LDQLLH Y RKKSAE
			==
1331	P05060	624	AEFPDF y dseepv
1332	P05067	72	KEGILQ Y CQEVYP
1333	P05067	77	QYCQEV y pēlqit
1334	P05067	115	PHFVI P Y RCLVGE
1335	P05067	168	STNLHD Y GMLLPC
1336	P05067	217	GGADTD Y ADGSED
1337	P05067	262	EEAEEP Y EEATER
1338	P05067	308	AMISRW Y FDVTEG
1339	P05067	321	KCAPFF Y GGCGGN
1340	P05067	336	NFDTEE Y CMAVCG
1341	P05067	378	PDAVDK Y LETPGD
	P05067		RLALENYITALQA
1342		476	~
1343	P05067	538	THLRVI Y ERMNQS
1344	P05067	549	QSLSLL Y NVPAVA
1345	P05067	572	
			LQKEQN Y SDDVLA
1346	P05067	588	SEPRIS Y GNDALM
1347	P05067	681	FRHDSG Y EVHHQK
			~
1348	P05067	728	$ exttt{MLKKKQ} exttt{Y} exttt{TSIHHG}$
1349	P05067	762	GYENPT Y KFFEQM
1350	P05090	42	NFDVNK Y LGRWYE
1351	P05090	66	RCIQAN Y SLMENG
1352	P05090	125	WILATD Y ENYALV
1353	P05106	136	VRQVED Y PVDIYY
			==
1354	P05106	141	DYPVDI Y YLMDLS
1355	P05106	142	YPVDIY Y LMDLSY
1356	P05106	148	YLMDLS Y SMKDDL
1357	P05106	190	DKPVSP y MYISPP
1358	P05106	192	PVSPYM Y ISPPEA
1359	P05106	204	ALENPC Y DMKTTC
1360	P05106	216	CLPMFG Y KHVLTL
1361	P05106	307	VGSDNH Y SASTTM
1362	P05106	315	ASTTMD Y PSLGLM
1363	P05106	344	ENVVNL Y QNYSEL
1364	P05106	347	VNLYQN Y SELIPG
1365	P05106	374	QLIVDA Y GKIRSK
	P05106		
1366		504	ECSEED Y RPSQQD
1367	P05106	546	GKITGK Y CECDDF
1368	P05106	557	DFSCVR Y KGEMCS
1369	P05106	582	DSDWTGYYCNCTT
1370	P05106	583	SDWTGY Y CNCTTR
1371	P05106	620	CIQPGS Y GDTCEK
1372			
	P05106	660	ENTCNRYCRDEIE
1373	P05106	683	DAVNCT Y KNEDDC
1374	P05106	695	CVVRFQ Y YEDSSG
1375			VVRFQY Y EDSSGK
	P05106	696	
1376	P05106	706	SGKSIL Y VVEEPE
1377	P05107	130	GYPIDL Y YLMDLS
1378	P05107	293	HLEDNL Y KRSNEF
1379	P05107	735	LSDLRE Y RRFEKE
1380	P05109	16	NSIIDV Y HKYSLI
1381	P05109	30	GNFHAV Y RDDLKK
	1 100100	J 0	014T 1177 A T I/DDTI/I/

1382	P05109	45	ETECPQ Y IRKKGA
1383	P05161	96	KGRSST Y EVRLTQ
1384	P05161	140	QLPLGE Y GLKPLS
1385	P05164	462	IITYRD Y LPLVLG
1386	P05164	516	FRLDNR Y QPMEPN
1387	P05164	634	RKLMEQ Y GTPNNI
1388	P05231	59	IDKQIR Y ILDGIS
1389	P05231	125	LLEFEV y LEYLQN
1390	P05231	128	FEVYLE Y LQNRFE
1391	P05386	11	SELACI Y SALILH
	P05412		
1392		10	KMETTFYDDALNA
1393	P05412	26	PSESGP Y GYSNPK
1394	P05412	170	HSEPPV Y ANLSNF
1395	P05451	43	PEGTNA Y RSYCYY
1396	P05451	121	SGSLVS Y KSWGIG
1397	P05451	136	SSVNPGYCVSLTS
1398	P05455	23	ICHQIE Y YFGDFN
			~
1399	P05455	104	PEVTDE Y KNDVKN
1400	P05455	188	ILFKDD Y FAKKNE
1401	P05546	193	VNASSK Y EITTIH
1402	P05546	216	FRRNFG Y TLRSVN
1403	P05546	349	DILOLE Y VGGISM
1404	P05549	11	LTDNIK y EDCEDR
1405	P05549	62	
			PYFPPP Y QPIYPQ
1406	P05549	66	PPYQPI Y PQSQDP
1407	P05771	109	KFKIHT Y SSPTFC
1408	P05771	368	KGTDEL y avkilk
1409	P05771	464	QSKGII y rdlkld
1410	P05783	24	SVQAPS Y GARPVS
1411	P05783	36	SSAASV Y AGAGGS
1412	P05783	363	QRQAQE Y EALLNI
1413	P05813	93	ILERGE Y PRWDAW
1414	P05813	176	CYQYPG Y RGYQYI
1415	P05813	192	DHHGGD Y KHWREW
1416	P05814	56	EHQDKI Y PSFQPQ
1417	P05814	186	PQQVVP Y PQRAVP
1418	P05814	211	NPTHQI Y PVTQPL
	P05997		
1419		48	TQNGQMYLNRDIW
1420	P05997	1374	RGSQFA Y GDHQSP
1421	P05997	1403	ASQNIT Y ICKNSV
1422	P06213	30	GAAGHL Y PGEVCP
1423	P06213	118	SRLFFN Y ALVIFE
1424	P06213	134	LKELGLYNLMNIT
1425	P06213	154	KNNELCYLATIOW
1426	P06213	171	DSVEDNYIVLNKD
1427	P06213	259	VACRNF Y LDGRCV
1428	P06213	273	TCPPPY Y HFQDWR
1429	P06213	304	RQGCHQ Y VIHNNK
1430	P06213	394	IEEISG Y LKIRRS
1431	P06213	519	LLRWEP Y WPPDFR
1432	P06213	589	LKPWTQ Y AIFVKT
1433	P06213	606	SDERRTYGAKSDI
1434	P06213	614	AKSDII Y VQTDAT
1435	P06213	673	ELFELD Y CLKGLK
1436	P06213	735	RKTFED \mathbf{Y} LHNVVF
1437	P06213	818	LRHFTG Y RIELQA
1438	P06213	884	NGLIVL Y EVSYRR
1439	P06213	888	VLYEVS Y RRYGDE
± 10 J	-00110		

1440	P06213	941	SWTEPT y fyvtdy
1441	P06213	976	VVIGSI Y LFLRKR
1442	P06213	1038	GSFGMV Y EGNARD
1443	P06213	1149	IADGMA Y LNAKKF
1444	P06213	1237	SLAEQPYQGLSNE
1445	P06213	1254	FVMDGG Y LDQPDN
1446	P06276	61	AFLGIP Y AQPPLG
1447	P06276	174	IVVSMN Y RVGALG
1448	P06276	265	WAVTSLYEARNRT
1449	P06307	65	GALLAR Y IQQARK
1450	P06307	97	RISDRD y mGWMDF
1451	P06396	95	FFTGDA Y VILKTV
1452	P06396	110	RNGNLQ Y DLHYWL
1453	P06396	114	LQYDLH Y WLGNEC
1454	P06396	138	TVQLDD Y LNGRAV
1455	P06396	160	==
			SATFLGYFKSGLK
1456	P06396	167	FKSGLK Y KKGGVA
1457	P06396	235	GSNSNR Y ERLKAT
1458	P06396	301	RKLAKL Y KVSNGA
1459	P06396	371	FITKMD Y PKQTQV
1460	P06396	469	ATYGQF Y GGDSYI
	P06396	474	FYGGDSYIILYNY
1461			
1462	P06396	478	DSYIIL Y NYRHGG
1463	P06396	480	YIILYN Y RHGGRQ
1464	P06396	491	RQGQII Y NWQGAQ
1465	P06396	547	GKPMII Y KGGTSR
1466	P06396	730	LTSAKR y ietdpa
1467	P06396	767	LGWDDD Y WSVDPL
1468	P06400	529	LKAFDF Y KVIESF
1469	P06400	655	LFYKKV y rlaylr
1470	P06400	749	LIKEEE¥DSIIVF
1471	P06401	329	LLEDES y dggaga
1472	P06401	579	EASGCH Y GVLTCG
1473	P06401	777	VSGQML y fapdli
1474	P06702	22	==
			INTFHQYSVKLGH
1475	P06730	34	VANPEH Y IKHPLQ
1476	P06730	91	LMPGCD Y SLFKDG
1477	P06730	145	GESFDD Y SDDVCG
1478	P06733	44	GASTGI Y EALELR
1479	P06733	257	FFRSGK y DLDFKS
1480	P06733	407	SERLAK y nqllri
1481	P06737	75	==
			IRTQQH Y YDKCPK
1482	P06737	156	TLGLAA Y GYGIRY
1483	P06737	768	IINMLF Y HDRFKV
1484	P06744	174	TEALKP Y SSGGPR
1485	P06744	327	ALLGIWYINCFGC
1486	P06744	344	MLPYDQ Y LHRFAA
1487	P06746	36	SQAIHK Y NAYRKA
1488	P06746	142	QRIGLK Y FGDFEK
1489	P06746	266	IPKDQY Y CGVLYF
1490	P06748	17	PLRPQNYLFGCEL
1491	P06748	29	LKADKD Y HFKVDN
1492	P06748	67	EAEAMN Y EGSPIK
1493	P06850	72	LRMGEE y Flrlgn
1494	P07101	230	GFSDQV Y RQRRKL
1495	P07101	401	EKLSTL Y WFTVEF
1496	P07101	478	KDKLRS y asriqr
1497	P07108	29	EEMLFI Y GHYKQA
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1498	P07108	32	LFIYGH Y KQATVG
1499	P07108	74	EDAMKA Y INKVEE
1500	P07195	84	IVADKD Y SVTANS
1501	P07195	173	DSARFR y lmaekl
1502	P07195	240	MVVESA Y EVIKLK
1503	P07199	74	TNKLSP y DKLEGL
1504	P07199	490	GGSFGA Y GAQEEA
1505	P07199	550	
			FGEAMA Y FAMVKR
1506	P07204	193	AAVSIT Y GTPFAA
1507	P07204	355	CHCYPN Y DLVDGE
1508	P07204	552	ARAKME Y KCAAPS
1509	P07225	182	DNTPGSYHCSCKN
1510	P07225	263	VNYPGG Y TCYCDG
1511	P07225	312	FAGVVL Y LKFRLP
1512	P07305	28	STDHPK Y SDMIVA
1513	P07305	53	RQSIQK Y IKSHYK
1514	P07305	58	KYIKSH Y KVGENA
1515	P07311	12	TLISVD y EIFGKV
1516	P07332	44	VKSDRE Y AGLLHH
1517	P07332	116	QQLRKT Y SEQWQQ
1518	P07332	142	EKLKSQ Y RALARD
1519	P07332	156	AQAKRK Y QEASKD
1520	P07332	172	DKAKDK y vrslwk
1521	P07332	186	FAHHNR Y VLGVRA
1522	P07332	230	KEILQE Y LEISSL
1523	P07332	268	QGFLRQ Y GSAPDV
1524	P07332	461	LHEQLWYHGAIPR
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1525	P07332	491	SQGKQE Y VLSVLW
1526	P07332	513	QSLDNL Y RLEGEG
1527	P07332	614	ĀRILKQ Y SHPNIV
1528	P07332	633	TQKQPI Y IVMELV
1529	P07332	673	AAAGME Y LESKCC
1530	P07332	734	APEALN Y GRYSSE
1531		737	
I I	P07332		ALNYGR Y SSESDV
1532	P07332	761	SLGASP Y PNLSNQ
1533	P07332	799	MEQCWA Y EPGQRP
1534	P07332	811	PSFSTI Y QELQSI
1535	P07333	61	SPHWTL Y SDGSSS
1536	P07333	100	SAAIHL Y VKDPAR
1537	P07333	154	LMRHTNYSFSPWH
1538	P07333	257	DFHNNR Y QKVLTL
1539	P07333	276	FQHAGN Y SCVASN
1540	P07333	300	RVVESA Y LNLSSE
1541	P07333	328	KVMVEA Y PGLQGF
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1542	P07333	338	QGFNWT Y LGPFSD
1543	P07333	360	$\mathtt{ATTKDT}\mathbf{Y}\mathtt{RHTFTL}$
1544	P07333	379	PSEAGR Y SFLARN
1545	P07333	400	FELTLRYPPEVSV
1546	P07333	424	LCAASG Y PQPNVT
1547	P07333	454	QVWDDP y pevlsq
1548	P07333	483	LEHNQT Y ECRAHN
			==
1549	P07333	538	LLLLL y kykQkp
1550	P07333	540	LLLLYK y KQKPKY
1551	P07333	571	DPTQLP Y NEKWEF
1552	P07333	665	VLVITE Y CCYGDL
1553	P07333	668	ITEYCC Y GDLLNF
1554	P07333	832	SIFDCV y TVQSDV
1555	P07333	841	QSDVWS Y GILLWE
1000	10/000	OIT	Žor∧Mo∓othimi

1556	P07333	856	SLGLNPYPGILVN
1557	P07333	866	LVNSKF y KLVKDG
1558	P07333	873	$KLVKDG\mathbf{Y}QMAQPA$
1559	P07358	196	VLDHRY Y AGGCSP
1560	P07358	315	RSLMLH Y EFLQRV
1561	P07358	538	LACEVS Y RKNTPI
1562	P07359	146	GELQEL Y LKGNEL
			==
1563	P07359	244	DNAENV Y VWKQGV
1564	P07359	294	$ exttt{DTDLYD}\mathbf{Y} exttt{YPEEDT}$
1565	P07360	103	${\tt WQVRQL} {\tt Y} {\tt GDTGVL}$
1566	P07360	132	VVAETD y QSFAVL
1567	P07360	181	TEDQIF Y FPKYGF
1568	P07492	38	TVLTKM Y PRGNHW
1569	P07492	74	KQQLREYIRWEEA
1570	P07550	70	LQTVTN Y FITSLA
1571	P07550	132	VIAVDR y faitsp
1572	P07550	174	PIQMHWYRATHQE
1573	P07550	185	QEAINC Y ANETCC
	P07550	199	~
1574			FFTNQA Y AIASSI
1575	P07550	209	SSIVSF Y VPLVIM
1576	P07550	219	VIMVFV Y SRVFQE
	P07550	308	
1577			LIRKEVYILLNWI
1578	P07550	316	LLNWIG Y VNSGFN
1579	P07550	326	GFNPLI Y CRSPDF
1580	P07550	350	RSSLKA Y GNGYSS
1581	P07550	354	KAYGNG Y SSNGNT
1582	P07550	366	TGEQSG Y HVEQEK
1583	P07737	25	DAAIVG y KDSPSV
1584	P07737	60	KDRSSF y VNGLTL
1585	P07737	129	LINKKC Y EMASHL
	P07741		
1586		60	HGGRID Y IAGLDS
1587	P07741	101	PTLWAS Y SLEYGK
1588	P07741	105	ASYSLE Y GKAELE
1589	P07766	36	
			GITQTP Y KVSISG
1590	P07766	52	ILTCPQ Y PGSEIL
1591	P07766	95	ELEQSG Y YVCYPR
1592	P07766	96	LEQSGY Y VCYPRG
1593	P07766	99	SGYYVC y PRGSKP
1594	P07766	111	PEDANF Y LYLRAR
1595	P07766	113	
			DANFYLYLRARVC
1596	P07766	149	GLLLLV Y YWSKNR
1597	P07766	150	LLLLVY Y WSKNRK
1598	P07814	374	GNKYNV Y PTYDFA
1599	P07814	1047	HDISGCYILRPWA
1600	P07814	1330	IAKCND Y RRRLLS
1601	P07900	139	QFGVGF Y SAYLVA
1602	P07900	381	EELIPE Y LNFIRG
1603	P07900	493	NQKHIY Y ITGETK
1604	P07910	57	GFAFVQ Y VNERNA
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1605	P07910	105	RSAAEM Y GSVTEH
1606	P07910	137	DYYDRM Y SYPARV
1607	P07947	16	KSPAIKYRPENTP
1608	P07947	85	SVVPSS Y PAGLTG
1609	P07947	100	TIFVAL y dyeart
1610	P07947	102	FVALYD Y EARTTE
1611	P07947	141	ATGKNG Y IPSNYV
1612	P07947	146	GYIPSN Y VAPADS
1613	P07947	159	IQAEEW Y FGKMGR
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1614				
1615	1614	P07947	194	ETTKGA Y SLSIRD
1616				
1617				
1618 P07947 240 QKLVKHYTEHADG 1619 P07947 367 KEGDGKYLKLPQL 1620 P07947 386 IADGMAYIERMNY 1621 P07947 392 YIERMNYIHRDLR 1622 P07947 473 TKGRVPYPGMVNR 1623 P07947 489 EQVERGYRMPCPQ 1624 P07947 521 ERPTFEYIQSFLE 1625 P07947 529 QSFLEDYFTATEP 1626 P07949 30 KVALGLYFSRDAY 1627 P07949 36 YFSRDAYWEKLYV 1628 P07949 52 AGTPLLYVHALRD 1629 P07949 73 RLGQHLYGTYRTR 1630 P07949 76 QHLYGTYRTRLHE 1631 P07949 96 EDTGLLYVINSLD 1632 P07949 146 PGCARVYFSFFNT 1634 P07949 146 PGCARVYFSFFNT 1634 P07949 204 PNISVAYRLLEGE 1635 P07949	1616	P0/94/		KLDNGG Y YI'I'RA
1618 P07947 240 QKLVKHYTEHADG 1619 P07947 367 KEGDGKYLKLPQL 1620 P07947 386 IADGMAYIERMNY 1621 P07947 392 YIERMNYIHRDLR 1622 P07947 473 TKGRVPYPGMVNR 1623 P07947 489 EQVERGYRMPCPQ 1624 P07947 521 ERPTFEYIQSFLE 1625 P07947 529 QSFLEDYFTATEP 1626 P07949 30 KVALGLYFSRDAY 1627 P07949 36 YFSRDAYWEKLYV 1628 P07949 52 AGTPLLYVHALRD 1629 P07949 73 RLGQHLYGTYRTR 1630 P07949 76 QHLYGTYRTRLHE 1631 P07949 96 EDTGLLYLNRSLD 1632 P07949 146 PGCARVYFSFFNT 1634 P07949 146 PGCARVYFSFFNT 1634 P07949 263 PFPVVVYDEDDSA 1637 P07949	1617	P07947	223	LDNGGY Y ITTRAQ
1619 P07947 367 KEGDGKYLKLPQL 1620 P07947 386 IADGMAYIERMNY 1621 P07947 392 YIERMNYIHRDLR 1622 P07947 473 TKGRVPYPGMVNR 1623 P07947 489 EQVERGYRMPCPQ 1624 P07947 521 ERPTFEYIQSFLE 1625 P07947 529 QSFLEDYFTATEP 1626 P07949 30 KVALGLYFSRDAY 1627 P07949 36 YFSRDAYWEKLYV 1628 P07949 73 RLGQHLYGTYRTR 1630 P07949 76 QHLYGTYRTRLHE 1631 P07949 96 EDTGLLYLNRSLD 1632 P07949 122 FPLLTVYLKVFLS 1633 P07949 146 PGCARVYFSFNT 1634 P07949 204 PNISVAYRLLEGE 1635 P07949 237 REQREKYELVAVC 1636 P07949 263 PFPVTVYDEDDSA 1637 P07949 314 GELVRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 483 KCAELHYMVVATD 1641 P07949 687 QAFPVSYSSGAR 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 791 PHVIKLYGACSQD 1644 P07949 826 RKVGPGYLGSGGS 1646 P07949 826 RKVGPGYLGSGGS 1647 P07949 826 RKVGPGYLGSGGS 1648 P07949 928 SLFDHIYTDSDV 1648 P07949 952 TLGGNPYPGIPPE		P07947	240	
1620				
1621				
1622	1620	P07947	386	IADGMA Y IERMNY
1622	1621	P07947	392	YTERMN Y THRDI.R
1623				
1624 P07947 521 ERPTFEYIQSFLE 1625 P07947 529 QSFLEDYFTATEP 1626 P07949 30 KVALGLYFSRDAY 1627 P07949 36 YFSRDAYWEKLYV 1628 P07949 52 AGTPLLYVHALRD 1629 P07949 73 RLGQHLYGTYRTR 1630 P07949 76 QHLYGTYRTRLHE 1631 P07949 96 EDTGLLYLNRSLD 1632 P07949 122 FPLLTVYLKVFLS 1633 P07949 146 PGCARVYFSFNT 1634 P07949 204 PNISVAYRLLEGE 1635 P07949 237 REQREKYELVAVC 1636 P07949 263 PFPVTVYDEDDSA 1637 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949				
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1629 P07949 73 RLGQHLYGTYRTR 1630 P07949 76 QHLYGTYRTRLHE 1631 P07949 96 EDTGLLYLNRSLD 1632 P07949 122 FPLLTVYLKVFLS 1633 P07949 146 PGCARVYFSFFNT 1634 P07949 204 PNISVAYRLLEGE 1635 P07949 263 PFPVTVYDEDDSA 1636 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 687 QAFPVSYSSSGAR 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 864 ISQGMQYLAEMKL 1646 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029	1628	P07949	52	AGTPLL Y VHALRD
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1633 P07949 146 PGCARVYFSFFNT 1634 P07949 204 PNISVAYRLLEGE 1635 P07949 237 REQREKYELVAVC 1636 P07949 263 PFPVTVYDEDDSA 1637 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 687 QAFPVSYSSSGAR 1642 P07949 752 LKGRAGYTTVAVK 1643 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1632	P07949	122	FPLLTV Y LKVFLS
1634 P07949 204 PNISVAYRLLEGE 1635 P07949 237 REQREKYELVAVC 1636 P07949 263 PFPVTVYDEDDSA 1637 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				_
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1636 P07949 263 PFPVTVYDEDDSA 1637 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1635	P07949	237	REQREK y elvavc
1637 P07949 314 GELVRRYTSTLLP 1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE		P07949	263	==
1638 P07949 440 SGINVQYKLHSSG 1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1639 P07949 483 KCAELHYMVVATD 1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1638	P07949	440	SGINVQ Y KLHSSG
1640 P07949 508 VTVEGSYVAEEAG 1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1639	P07949	483	KCAELH Y MVVATD
1641 P07949 606 RGIKAGYGTCNCF 1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1642 P07949 687 QAFPVSYSSSGAR 1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1643 P07949 752 LKGRAGYTTVAVK 1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1642	P07949	687	QAFPVS Y SSSGAR
1644 P07949 791 PHVIKLYGACSQD 1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1643	P07949	752	LKGRAG Y TTVAVK
1645 P07949 826 RKVGPGYLGSGGS 1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1646 P07949 864 ISQGMQYLAEMKL 1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				~
1647 P07949 928 SLFDHIYTTQSDV 1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE				
1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1646	P07949	864	ISQGMQ Y LAEMKL
1648 P07949 952 TLGGNPYPGIPPE 1649 P07949 1029 PSDSLIYDDGLSE	1647	P07949	928	SLFDHI y ttosdv
1649 P07949 1029 PSDSLI Y DDGLSE				==
1650 P08047 327 FTNANSYSTTTTT				PSDSLI Y DDGLSE
1000 10001/ 02/ 111/11/02/01/11	1650	P08047	327	${ t FTNANS} { t Y} { t STTTTT}$
1651 P08047 608 EACTCP Y CKDSEG		P08047	608	EACTCP Y CKDSEG
1653 P08069 43 IDIRND Y QQLKRL	1653	P08069	43	IDIRND Y QQLKRL
1654 P08069 73 AEDYRS Y RFPKLT	1654	P08069	73	AEDYRS y rfpklt
1655 P08069 84 LTVITEYLLLFRV	1655	P08069	84	LTVITE Y I.I.I.FRV
1656 P08069 113 RGWKLF Y NYALVI				
1657 P08069 131 LKDIGLYNLRNIT				
1658 P08069 201 TTINNE Y NYRCWT	1658	P08069	201	TTINNEYNYRCWT
1659 P08069 203 INNEYN Y RCWTTN				TNNEYNYRCWTTN
~				==
1661 P08069 517 RYRPPD Y RDLISF				KYRPPD Y RDLISF
1662 P08069 526 LISFTV Y YKEAPF	1662	P08069	526	LISFTV Y YKEAPF
1663 P08069 538 FKNVTEYDGQDAC				
1664 P08069 577 LKPWTQ Y AVYVKA				
1665 P08069 656 RQPQDG Y LYRHNY	1665	P08069	656	RQPQDG Y LYRHNY
1666 P08069 718 EKEEAE Y RKVFEN	1666	P08069	718	EKEEAE Y RKVFEN
1667 P08069 763 TTAADT Y NITDPE				
1668 P08069 869 LMYEIK Y GSQVED				
1669 P08069 885 CVSRQE Y RKYGGA	1669	P08069	885	CVSRQE Y RKYGGA
1670 P08069 901 RLNPGN Y TARIQA	1670	P08069	901	RLNPGN Y TARIOA
1671 P08069 923 TDPVFF Y VQAKTG				
TOTAL TOUGHT JEE	1011	10000	723	1D1 A11 7 A X171/1A

1672	P08069	930	VQAKTG Y ENFIHL
1673	P08069	987	FSAADV Y VPDEWE
1674	P08069	1125	IADGMA¥LNANKF
			_
1675	P08069	1192	DGVFTT Y SDVWSF
1676	P08069	1251	MRMCWQ Y NPKMRP
1677	P08151	312	EGCRKS Y SRLENL
1678	P08151	373	PGCTKRYTDPSSL
1679	P08151	772	CPQQAS Y PDPTQE
1680	P08195	312	LDLTPN y rgensw
1681	P08195	453	AQLLRL Y QLMLFT
1682	P08195	468	GTPVFS Y GDEIGL
1683	P08397	46	ATLKAS Y PGLQFE
1684	P08397	213	HPEECM Y AVGQGA
1685	P08397	277	MKDGQL Y LTGGVW
1686	P08493	76	REACDD Y RLCERY
1687	P08493	86	ERYAMV Y GYNAAY
1688	P08493	95	NAAYNR Y FRKRRG
1689	P08514	402	DLDRDG Y NDIAVA
1690	P08514	676	NEGEGA Y EAELAV
1691	P08514	968	NVSSLP Y AVPPLS
1692	P08559	82	LKADQL y KQKIIR
1693	P08559	183	IALACK Y NGKDEV
1694	P08559	208	GQIFEA Y NMAALW
1695			==
	P08567	130	IDLGAL Y LSMKDT
1696	P08567	189	SLLNEG Y LQPAGD
1697	P08567	325	TADEVH Y FLQAAT
1698	P08581	41	MNVNMK Y QLPNFT
1699	P08581	69	FLGATN Y IYVLNE
1700	P08581	71	GATNYI Y VLNEED
1701	P08581	84	LQKVAE y KTGPVL
1702	P08581	125	ALVVDT y yddoli
1703	P08581	205	NTINSS Y FPDHPL
1704	P08581	234	FLTDQS Y IDVLPE
1705	P08581	245	PEFRDS Y PIKYVH
1706	P08581	249	DSYPIK Y VHAFES
1707	P08581	291	NSGLHSYMEMPLE
1708	P08581	390	RCLQHF Y GPNHEH
1709	P08581	416	EARRDE Y RTEFTT
1710	P08581	566	ICLPAI Y KVFPNS
1711	P08581	649	GHGTTQ Y STFSYV
1712	P08581	681	
			LTLTGNYLNSGNS
1713	P08581	738	ETSIFS Y REDPIV
1714	P08581	830	DGILSK y FDLIYV
1715	P08581	835	KYFDLI Y VHNPVF
1716	P08581	971	GSELVR Y DARVHT
1717	P08581	1093	GHFGCV Y HGTLLD
1718	P08581	1159	PLVVLP Y MKHGDL
1719	P08581	1194	VAKGMK Y LASKKF
1720	P08581	1284	TRGAPPYPDVNTF
1721	P08581	1295	TFDITV Y LLQGRR
1722	P08582	318	MFSSEA Y GQKDLL
1723	P08582	348	AWLGHE Y LHAMKG
1724	P08582	527	VNNPKN Y PSSLCA
1725	P08697	167	RLAARM¥LQKGFP
1726	P08697	273	MMQART Y PLRWFL
1727	P08697	340	$ extsf{VRLPKL}\mathbf{Y} extsf{L} extsf{KHQMD}$
1728	P08709	128	KDQLQS Y ICFCLP
1729	P08709	161	NGGCEQ Y CSDHTG
1143	100/02	T O T	MOOCHĂTCDDIIIG

1730				
1731	1730	P08709	437	VGHFGV Y TRVSOY
1732				
1733				
1734	1732	P08833	202	EEISKF Y LPNCNK
1734	1733	P08833	212	CNKNGFYHSROCE
1735				
1736				
1737	1735	P08842	236	${ t FLGFLH} {f Y} { t FRPLNC}$
1737	1736	P08842	257	TOOPMSYDNI.TOR
1738				
1739				
1739	1738	P08865	37	DFOMEO Y IYKRKS
1740				
1741				~ ~
1742				RKSDGI¥IINLKR
1742	1741	P08865	156	TDSPLR y VDIAIP
1743		D08865		
1744				
1745	1/43	P08865		MPDLYF Y RDPEE1
1745	1744	P08949	111	PAPOIO Y RRLLVO
1746				
1747				
1748	1746	P09012		$ exttt{MQGFPF} exttt{Y} exttt{DKPMRI}$
1748	1747	P09012	86	KPMRIO Y AKTDSD
1749				
1750				
1751		P09038		RLESNN y ntyrsr
1751	1750	P09038	248	SNNYNT Y RSRKYT
1752				
1753				
1754				
1754	1753	P09038	266	LKRTGO y KLGSKT
1755				DDV#\\\ V FD\\RCR
1756				
1757				LKASCL Y GQLPKF
1757	1756	P09211	64	DGDLTLYOSNTIL
1758				==
1759				
1760				EDLRCK Y ISLIYT
1760	1759	P09211	109	KYISLI Y TNYEAG
1761 P09211 119 EAGKDDYVKALPG 1762 P09211 154 QISFADYNLLDLL 1763 P09211 180 FPLLSAYVGRLSA 1764 P09382 105 VKLPDGYEFKFPN 1765 P09382 120 NLEAINYMAADGD 1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQV 1778 P09619 205 VDSDAYYVYRLQV 1778 P09619 207 SDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQV 1779 P09619 249 VNFEWTYPKESG 1781 P09619 249 VNFEWTYPKESG 1781 P09619 289 LEDSGTYTCNVTE 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 343 QVVFEAYPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 377 NVSETRYVSELTL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1762 P09211 154 QISFADYNLLDLL 1763 P09211 180 FPLLSAYVGRLSA 1764 P09382 105 VKLPDGYEFKFPN 1765 P09382 120 NLEAINYMAADGD 1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQV 1779 P09619 249 VNFEWTYPKESG 1781 P09619 249 VNFEWTYPKESG 1781 P09619 249 VNFEWTYPKESG 1781 P09619 289 LEDSGTYTCNVTE 1782 P09619 343 P09619 343 QVVFEAYPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1763				
1764 P09382 105 VKLPDGYEFKFPN 1765 P09382 120 NLEAINYMAADGD 1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVDPP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQV 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 249 VNFEWTYPRKESG 1781 P09619 249 VNFEWTYPRKESG 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 343	1762	P09211	154	QISFAD y nlldll
1764 P09382 105 VKLPDGYEFKFPN 1765 P09382 120 NLEAINYMAADGD 1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVDPP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQV 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 249 VNFEWTYPRKESG 1781 P09619 249 VNFEWTYPRKESG 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 343	1763	PN9211	180	FPI.I.SA y vgri.sa
1765 P09382 120 NLEAINYMAADGD 1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 249 VNFEWTYPRKESG 1781 P09619 249 VNFEWTYPRKESG 1781 P09619 289 LEDSGTYTCNVTE 1783 P09619 343 QVVFEAYPPTVL 1785 P09619 343 <				
1766 P09417 16 ARRVLVYGGRGAL 1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 394				
1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394	1765	P09382	120	NLEAIN Y MAADGD
1767 P09417 150 TPGMIGYGMAKGA 1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394	1766	P09417	16	ARRVI.V Y GGRGAI.
1768 P09493 162 EDADRKYEEVARK 1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394				
1769 P09493 214 EAQAEKYSQKEDR 1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1768	P09493	162	EDADRK y EEVARK
1770 P09493 261 DLEDELYAQKLKY 1771 P09603 38 TEEVSEYCSHMIG 1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1769	P09493	2.1.4	EAOAEK y sokedr
1771				
1772 P09603 81 LKDPVCYLKKAFL 1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				==
1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 394 VAEAGHYTMRAFH		P09603		TEEVSE Y CSHMIG
1773 P09603 139 ACVRTFYETPLQL 1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 394 VAEAGHYTMRAFH	1772	P09603	81	LKDPVC y lkkafl
1774 P09619 98 GLDTGEYFCTHND 1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1775 P09619 117 DERKRLYIFVPDP 1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				~
1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1776 P09619 188 IFEDRSYICKTTI 1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1775	P09619	117	DERKRL y ifvpdp
1777 P09619 204 EVDSDAYYVYRLQ 1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1778 P09619 205 VDSDAYYVYRLQV 1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1779 P09619 207 SDAYYVYRLQVSS 1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				~
1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1778	P09619	205	VDSDAY y VYRLQV
1780 P09619 249 VNFEWTYPRKESG 1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1779	P09619	207	SDAYYV y rlovss
1781 P09619 270 FLLDMPYHIRSIL 1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1782 P09619 289 LEDSGTYTCNVTE 1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1783 P09619 315 TVVESGYVRLLGE 1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH	1782	P09619	289	LEDSGT Y TCNVTE
1784 P09619 343 QVVFEAYPPPTVL 1785 P09619 377 NVSETRYVSELTL 1786 P09619 394 VAEAGHYTMRAFH				
1785 P09619 377 NVSETR Y VSELTL 1786 P09619 394 VAEAGH Y TMRAFH				
1786 P09619 394 VAEAGH Y TMRAFH				~
	1785	P09619	377	NVSETR Y VSELTL
	1786	P09619	394	VAEAGH y tmrafh
T101 E030T3 407 TETMATTMETTÄ				
	1/0/	FUJUIJ	402	TEINAI T MEEEÕE

1788	P09619	589	DPMQLP y DSTWEL
1789	P09619	683	IYIITE Y CRYGDL
1790	P09619	692	YGDLVD Y LHRNKH
1791	P09619	800	ESPVLS Y MDLVGF
1792	P09619	808	DLVGFS Y QVANGM
1793	P09619	880	SIFNSLYTTLSDV
1794	P09619	904	TLGGTPYPELPMN
1795	P09619	914	PMNEQF Y NAIKRG
1796	P09619	921	NAIKRG Y RMAQPA
1797	P09619	966	$\mathtt{RLLGEG}\mathbf{Y}\mathtt{KKKYQQ}$
1798	P09693	134	VLAVGV y FIAGQD
1799	P09693	160	LPNDQL Y QPLKDR
1800	P09693	171	DREDDQ Y SHLQGN
1801	P09871	32	PNYPQA Y PSEVEK
1802	P09871	401	NGGGGE Y HCAGNG
		671	
1803	P09871		YTRVKN Y VDWIMK
1804	P09874	9	ESSDKL y rveyak
1805	P09874	583	DDKENR y WIFRSW
1806	P09874	889	EAPVTG Y MFGKGI
1807	P09917	43	LLDKPF Y NDFERG
1808	P09917	182	VDFVLN Y SKAMEN
1809	P09917	514	DFVNDV y VYGMRG
1810	P09958	110	RTKRDV Y QEPTDP
1811	P09958	313	GYTNSI Y TLSISS
1812	P09958	560	TSEANNYGTLTKF
1813	P09960	74	NGQEVK Y ALGERQ
1814	P09960	384	AYSSVP Y EKGFAL
1815	P09960	430	DWKDFL Y SYFKDK
1816	POCOL4	581	$ extsf{VDGAKQ}\mathbf{Y} extsf{RNGESV}$
1817	POCOL4	946	HREELV y ELNPLD
1818	POCOL4	1693	GLDGAT Y DLEGHP
1819	POCG48	591	GRTLSD Y NIQKES
	P10070	296	PINPVA Y QQILSQ
1820			~~ ~
1821	P10070	1186	$ extsf{FGQYPGYSPQGLQ}$
1822	P10070	1221	GIPRVN y MQQLRQ
1823	P10071	933	YRLKAK Y AAATGG
1824	P10071	1254	PCKAPQ Y GNCLNR
1825	P10071	1383	LAVVRG Y QPCASF
1826	P10082	29	GALVDA y pikpea
1827	P10082	48	PEELNR y YASLRH
1828	P10082	55	YASLRH Y LNLVTR
1829	P10145	40	CQCIKTYSKPFHP
			~
1830	P10153	60	MQVINN Y QRRCKN
1831	P10153	125	NISNCR Y AQTPAN
1832	P10153	134	TPANMFYIVACDN
1833	P10155	23	ANSQDG Y VWQVTD
1834	P10155	46	GSEGGT Y YIKEQK
1835	P10155	331	LIALET Y KTGHGL
1836	P10244	71	TDQQCQ Y RWLRVL
1837	P10244	201	DCKPPV Y LLLELE
1838	P10244	371	VPSVTE Y RLDGHT
1839	P10275	11	LGLGRV y prppsk
1840	P10275	19	RPPSKT y RGAFQN
1841	P10275	105	RRGPTG Y LVLDEE
1842	P10275	314	SPFKGG Y TKGLEG
1843	P10275	406	AAAQCR Y GDLASL
1844	P10275	445	AEEGQL Y GPCGGG
1845	P10275	480	AGAVAP Y GYTRPP
	·		

1846	P10275	482	AVAPYG Y TRPPQG
1847	P10275	503	TAPDVWYPGGMVS
1848	P10275	513	MVSRVPYPSPTCV
1849	P10275	530	GPWMDS Y SGPYGD
1850	P10275	552	VLPIDY Y FPPQKT
1851	P10275	571	EASGCH Y GALTCG
1852	P10275	593	AEGKQK Y LCASRN
1853	P10275	620	CRLRKC Y EAGMTL
1854	P10275	667	VSHIEG Y ECQPIF
1855	P10275	739	QMAVIQ Y SWMGLM
1856	P10275	763	VNSRML Y FAPDLV
1857	P10275	773	DLVFNE y rmhksr
1858	P10275	781	MHKSRMYSQCVRM
1859	P10275	834	DELRMN Y IKELDR
1860	P10275	857	SCSRRF Y QLTKLL
1861	P10276	19	GGHLNG Y PVPPYA
1862	P10276	24	GYPVPP Y AFFFPP
1863	P10276	277	LRICTR Y TPEQDT
			~
1864	P10415	18	REIVMK Y IHYKLS
1865	P10415	108	DDFSRR y rrdfae
1866	P10415	180	ALWMTE Y LNRHLH
1867	P10451	33	SEEKQL y nkypda
	P10451	36	
1868			KQLYNK y PDAVAT
1869	P10451	156	VPTVDT Y DGRGDS
1870	P10451	165	RGDSVV Y GLRSKS
1871	P10451	181	RRPDIQ Y PDATDE
1872	P10451	202	EELNGA y kaipva
1873	P10451	246	HKQSRL Y KRKAND
1874	P10515	86	SPGRRY Y SLPPHQ
1875	P10515	144	ESLEEC y makilv
1876	P10515	446	KQTIPH Y YLSIDV
			==
1877	P10588	68	KSSGKH Y GVFTCE
1878	P10588	179	LLRAEP y paaagr
1879	P10588	338	QVALTE Y VRAQYP
1880	P10599	49	HSLSEK Y SNVIFL
1881	P10636	29	RKDQGG Y TMHQDQ
1882	P10636	441	PPSSPK Y VSSVTS
1883	P10636	627	GSVQIV y kpvdls
1884	P10636	711	HGAEIV Y KSPVVS
1885	P10644	122	KVIPKD Y KTMAAL
1886	P10644	246	
			LRKRKMYEEFLSK
1887	P10644	323	RLGPSD Y FGEIAL
1888	P10645	194	SLPSQK y pgpQAE
1889	P10645	262	PHPSLG Y KEIRKG
1890	P10645	414	PLQVRG Y PEEKKE
			==
1891	P10721	95	ATNTGKYTCTNKH
1892	P10721	108	GLSNSI Y VFVRDP
1893	P10721	125	LVDRSL Y GKEDND
1894	P10721	146	DPEVTN Y SLKGCQ
1895	P10721	179	KSVKRA Y HRLCLH
1896	P10721	243	DVSSSV Y STWKRE
1897	P10721	259	TKLQEK Y NSWHHG
1898	P10721	269	HHGDFN Y ERQATL
1899	P10721	291	SGVFMC Y ANNTFG
1900	P10721	337	VDLIVE Y EAFPKP
1901	P10721	350	EHQQWI Y MNRTFT
1902	P10721	362	TDKWED Y PKSENE
1903	P10721	373	NESNIR Y VSELHL
-			

1904	P10721	390	${ t GTEGGT}{ t Y}{ t TFLVSN}$
1905	P10721	408	AIAFNV Y VNTKPE
1906	P10721	441	EPTIDW Y FCPGTE
1907	P10721	503	$oldsymbol{ ext{VGKTSAY}}oldsymbol{ ext{FNFAFK}}$
1908	P10721	545	IVMILT y KYLQKP
1909	P10721	578	~
			DPTQLP Y DHKWEF
1910	P10721	609	VVEATA Y GLIKSD
1911	P10721	672	TLVITE Y CCYGDL
1912	P10721	747	SVRIGS Y IERDVT
1913	P10721	855	ESDVWS Y GIFLWE
1914	P10721	870	${ t SLGSSP}_{ t Y}{ t PGMPVD}$
1915	P10809	26	PHLTRA $\mathbf Y$ AKDVKF
1916	P10809	227	RGYISP Y FINTSK
1917	P10809	503	SSSEVG Y DAMAGD
1918	P10914	109	SSAVRV y rmlppl
1919	P10914	210	DSTSDL y nfqvsp
1920	P10914	256	NVDGKG Y LLNEPG
1921	P10997	70	NVGSNT Y GKRNAV
1922	P11047	312	$\mathtt{NCKHNT}\mathbf{Y}\mathtt{GVDCEK}$
1923	P11047	554	AVISDS Y FPRYFI
1924			
	P11047	633	LHEATD \mathbf{Y} PWRPAL
1925	P11142	107	PKVQVE Y KGETKS
1926	P11142	431	TQTFTT Y SDNQPG
1927	P11142	525	VQEAEK y kaedek
1928	P11171	250	$\mathtt{NLLEED}\mathbf{Y}\mathtt{FGLAIW}$
1929	P11171	289	${ t TFNVKF} { t Y} { t PPDPAQ}$
1930	P11171	303	TEDITR y ylclql
1931	P11171	304	EDITRY Y LCLQLR
1932	P11171	331	LALLGSYTIQSEL
1933	P11171	340	$ t QSELGD{f Y}DPELHG$
1934	P11171	349	ĒLHGVD Y VSDFKL
1935	P11171	374	$ exttt{MELHKS}\mathbf{Y} exttt{RSMTPA}$
1936	P11171	396	AKKLSM Y GVDLHK
1937	P11171	423	SSGLLV y KDKLRI
1938	P11171	442	KVLKIS y krssff
1939	P11171	459	PGEQEQ Y ESTIGF
1940	P11171	470	GFKLPS y raakkl
1941	P11171	509	LGSKFR Y SGRTQA
1942	P11171	767	ETKTIT Y EAAQTD
			~
1943	P11226	19	SMVAAS Y SETVTC
1944	P11226	205	TGNRLTYTNWNEG
1945	P11274	58	ERFRMI Y LQTLLA
1946	P11274	70	AKEKKS y drorwg
1947	P11274	231	DASRPP Y RGRSSE
1948	P11274	276	PWPPLE Y QPYQSI
1949	P11274	279	PLEYQP Y QSIYVG
1950	P11274	316	TWPRRSYSPRSFE
1951	P11274	328	EDCGGGYTPDCSS
1952	P11274	360	SPSPTT y rmfrdk
1953	P11274	436	FGTPPG Y GCAADR
1954	P11274	513	LASEET Y LSHLEA
1955	P11274	554	FKVPEL Y EIHKEF
1956	P11274	598	$RAFVDN\mathbf{Y}GVAMEM$
1957	P11274	644	SLETLL y kpvdrv
1958	P11274	751	
			GGKTQQ Y DCKWYI
1959	P11274	756	QYDCKW Y IPLTDL
1960	P11274	844	SRNGKS Y TFLISS
1961	P11274	852	FLISSD y eraewr
1001	/ 1	002	

1962	P11274	910	DESPGL Y GFLNVI
1963	P11274	930	KQSSNL Y CTLEVD
			==
1964	P11274	940	EVDSFG Y FVNKAK
1965	P11274	950	KAKTRV y rdtaep
1966	P11274	977	TLRILC Y EKCYNK
1967	P11274	981	LCYEKC Y NKTKIP
1968	P11274	1131	AGTLKL y frelpe
1969	P11277	274	TYVVAF Y HYFSKM
1970	P11277	347	LQAFST Y RTVEKP
1971	P11277	1802	SYDLHR Y FYTGAE
1972	P11309	289	LLKDTV Y TDFDGT
1973	P11309	309	WIRYHR Y HGRSAA
1974	P11309	324	SLGILLYDMVCGD
1975	P11362	99	PADSGL Y ACVTSS
1976	P11362	113	SGSDTT Y FSVNVS
1977	P11362	154	RMPVAP Y WTSPEK
1978	P11362	206	DHRIGG Y KVRYAT
1979	P11362	210	GGYKVR Y ATWSII
			PSDKGN Y TCIVEN
1980	P11362	228	
1981	P11362	236	CIVENEYGSINHT
1982	P11362	243	GSINHT Y QLDVVE
1983	P11362	280	EFMCKV Y SDPQPH
1984	P11362	307	GPDNLP Y VQILKT
			==
1985	P11362	339	FEDAGE Y TCLAGN
1986	P11362	374	VMTSPL y LEIIIY
1987	P11362	380	YLEIII Y CTGAFL
1988	P11362	397	VGSVIV Y KMKSGT
1989	P11362	558	TQDGPL Y VIVEYA
1990	P11362	563	LYVIVE Y ASKGNL
1991	P11362	572	KGNLRE Y LQARRP
1992	P11362	605	DLVSCA Y QVARGM
			==
1993	P11362	613	VARGME Y LASKKC
1994	P11362	677	ALFDRI y THQSDV
1995	P11362	701	$ exttt{TLGGSP} exttt{Y} exttt{PGVPVE}$
1996	P11362	776	SMPLDQ Y SPSFPD
1997	P11387	211	WWEEER Y PEGIKW
1998	P11387	538	KDSIRY Y NKVPVE
1999	P11387	619	PAKILS Y NRANRA
2000	P11388	274	RSYVDM Y LKDKLD
2001	P11388	328	GGRHVD Y VADQIV
2002	P11388	757	VAEMSSYHHGEMS
2003	P11413	112	SYVAGQ y DDAASY
2004	P11413	343	FAAVVL Y VENERW
2005	P11413	428	LTYGNR Y KNVKLP
2006	P11474	91	VASGYH Y GVASCE
2007	P11474	113	IQGSIE Y SCPASN
2008	P11474	161	RGGRQK y krrpev
2009	P11488	57	IIHQDG Y SLEECL
2010	P11488	70	EFIAII Y GNTLQS
2011	P11488	91	TTLNIQYGDSARQ
2012	P11488	150	LNDSAG Y YLSDLE
2013	P11488	151	NDSAGY Y LSDLER
2014	P11488	163	RLVTPG Y VPTEQD
2015	P11488	226	IAALSA Y DMVLVE
2016	P11488	254	SICNHRYFATTSI
2017	P11488	286	SICFPDYDGPNTY
2018	P11488	292	YDGPNT Y EDAGNY
2019	P11488	298	YEDAGN Y IKVQFL

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

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

2136	P13639	232	KQFAEM Y VAKFAA
2137	P13639	367	PVTAQK y rcelly
2138	P13639	397	KGPLMMYISKMVP
2139	P13639	411	SDKGRF y afgrvf
2140	P13639	434	RIMGPN Y TPGKKE
2141	P13639	443	GKKEDL Y LKPIOR
			~
2142	P13639	457	ILMMGR Y VEPIED
2143	P13639	579	SDPVVS y retvse
2144	P13639	603	NKHNRL Y MKARPF
2145	P13639	634	LKQRAR Y LAEKYE
2146	P13639	639	RYLAEK y ewdvae
2147	P13639	671	ITKGVQ Y LNEIKD
2148	P13639	730	TARRCL Y ASVLTA
2149	P13639	745	RLMEPI Y LVEIQC
2150	P13639	760	QVVGGI Y GVLNRK
2151	P13639	787	MFVVKA Y LPVNES
2152	P13646	65	SGFGGG Y GGGLGG
2153	P13646	152	ASPERD Y SPYYKT
2154	P13646	356	AETECR y alqlqq
2155	P13688	68	LFGYSW y KGERVD
2156	P13688	213	RNDTGP Y ECEIQN
2157	P13688	394	REDAGT Y WCEVFN
	P13693	95	
2158			KKYIKD Y MKSIKG
2159	P13693	151	MVALLD Y REDGVT
2160	P13693	159	EDGVTP y MIFFKD
2161	P13796	28	DTDGNGYISFNEL
2162	P13796	417	PRVNHL Y SDLSDA
2163	P13796	502	WQLMRRYTLNILE
2164	P13798	43	TQYGGQ Y RTVHTE
2165	P13798	319	RIVYLQ Y PSLIPH
2166	P13798	479	EQENVQ Y AGLDFE
	P13807	332	
2167			FFIAGR Y EFSNKG
2168	P13807	509	GVFPSY Y EPWGYT
2169	P13807	604	WKYLGR Y YMSARH
2170	P14210	219	TCNGESYRGLMDH
2171	P14210	313	QGQGEG Y RGTVNT
2172	P14210	513	WMVSLRYRNKHIC
2173	P14314	82	HCTNTG Y KPLYIP
2174	P14314	359	EDKMPP \mathbf{Y} DEQTQA
2175	P14314	416	YLYSQC Y ELTTNE
2176	P14316	158	SDLSPE Y AVLTST
2177	P14316	220	VSMSEL Y PLQISP
2178	P14316	262	NIEGKQ Y LSNMGT
2179	P14317	83	PKASHG Y GGRFGV
2180	P14317	103	SAVGHE Y VAEVEK
2181	P14317	124	KGFGGK Y GVERDR
2182	P14317	153	HTSQKD Y SRGFGG
2183	P14317	161	RGFGGR Y GVEKDK
2184	P14317	175	DKAALG Y DYKGET
2185	P14317	177	AALGYD Y KGETEK
2186	P14317	190	HESQRDYAKGFGG
2187	P14317	360	VEEEPV Y EAEPEP
2188	P14317	437	ISAVAV Y DYQGEG
2189	P14317	439	AVAVYD Y QGEGSD
2190	P14410	422	HDHGQK Y VIILDP
			==
2191	P14410	1231	GFQLCR Y GYANTS
2192	P14410	1417	RNDELN Y PPYFPE
2193	P14598	48	RRFTEI Y EFHKTL
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2194	P14598	97	QGTLTE Y CGTLMS
2195	P14598	279	GYFPSM Y LQKSGQ
2196	P14618	83	SHGTHE Y HAETIK
2197	P14618	148	ITLDNA Y MEKCDE
2198	P14618	444	AHQVAR Y RPRAPI
2199	P14625	355	EVEEDE Y KAFYKS
2200	P14625	412	SDYIKL y vrrvfi
2201	P14625	727	ATLRSG Y LLPDTK
2202	P14635	262	SKYEEM Y PPEIGD
2203	P14635	368	TPTLQH Y LSYTEE
			I
2204	P14635	404	MTVKNK Y ATSKHA
2205	P14672	56	KVIEQS Y NETWLG
2206	P14672	229	CPESPR Y LYIIQN
			I
2207	P14672	448	AEAMGP Y VFLLFA
2208	P14678	15	MLQHID Y RMRCIL
2209	P14678	168	AGAPTQ Y PPGRGG
			I ===
2210	P14778	94	VEDSGH Y YCVVRN
2211	P14778	95	EDSGHY Y CVVRNS
2212	P14778	103	VVRNSS Y CLRIKI
2213	P14778	144	GGLVCP Y MEFFKN
2214	P14778	161	LPKLQW Y KDCKPL
2215	P14778	194	EKHRĞN Y TCHASY
	P14778	200	
2216			YTCHAS Y TYLGKQ
2217	P14778	202	CHASYT Y LGKQYP
2218	P14778	207	TYLGKQ Y PITRVI
2219	P14778	259	I ===
			QLSDIA Y WKWNGS
2220	P14778	278	PVLGED Y YSVENP
2221	P14778	279	VLGEDY Y SVENPA
2222	P14778	306	EIESRF Y KHPFTC
2223	P14778	329	AYIQLI Y PVTNFQ
2224	P14778	356	VCSVFI y KIFKID
2225	P14778	367	IDIVLW Y RDSCYD
2226	P14778	372	WYRDSC Y DFLPIK
2227	P14778	385	ASDGKT Y DAYILY
2228	P14778	388	GKTYDA Y ILYPKT
2229	P14778	391	YDAYIL Y PKTVGE
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2230	P14778	421	LEKQCG Y KLFIYG
2231	P14778	431	IYGRDD Y VGEDIV
2232	P14778	475	EEQIAM y nalvqd
2233	P14778	536	FWKNVR Y HMPVQR
2234	P14859	317	LAMGKL Y GNDFSQ
2235	P14866	163	AADNQI Y IAGHPA
2236	P14866	324	GGPHGG Y HSHYHD
2237	P14866	375	PPPPPE Y GPHADS
2238	P15036	178	EKTEDQ Y EENSHL
2239	P15036	205	GTEQAP Y GMQTQN
2240	P15036	438	KTSGKR Y VYRFVC
2241	P15056	198	PECCAV Y RIQDGE
2242	P15056	266	RCQTCG Y KFHQRC
2243	P15056	519	ILLFMG Y STKPQL
2244	P15121	40	VAIDVG Y RHIDCA
2245	P15121	83	SKLWCT Y HEKGLV
2246	P15121	178	
			NKPGLK Y KPAVNQ
2247	P15151	50	SVTLPCYLQVPNM
2248	P15151	86	QTQGPS Y SESKRL
2249	P15151	121	VEDEGNYTCLFVT
2250	P15151	241	TVNLTV Y YPPEVS
2251	P15151	242	VNLTVY Y PPEVSI

2252	P15151	251	EVSISG Y DNNWYL
2253	P15151	256	GYDNNW Y LGQNEA
			==
2254	P15151	277	NPEPTGYNWSTTM
2255	P15151	364	LLGIGI Y FYWSKC
2256	P15151	366	GIGIYF y WSKCSR
2257	P15172	30	ATTDDF Y DDPCFD
2258	P15172	193	GRGGEH Y SGDSDA
2259	P15172	231	CYEGAY Y NEAPSE
2260	P15289	223	RPFFLYYASHHTH
2261	P15289	429	HEPPLL Y DLSKDP
2262	P15289	439	KDPGEN Y NLLGGV
2263	P15311	44	GLREVW Y FGLHYV
2264	P15311	49	WYFGLH Y VDNKGF
2265	P15311	85	KFRAKF Y PEDVAE
2266	P15311	128	AVLLGS Y AVQAKF
			==
2267	P15311	137	QAKFGD Y NKEVHK
2268	P15311	191	DNAMLE Y LKIAQD
2269	P15311	201	AQDLEM Y GINYFE
2270	P15311	205	EMYGIN Y FEIKNK
2271	P15311	228	ALGLNI Y EKDDKL
2272	P15311	270	APDFVF Y APRLRI
2273			
	P15311	291	MGNHEL Y MRRRKP
2274	P15311	424	AAELAE Y TAKIAL
2275	P15311	483	VYEPVS Y HVQESL
2276	P15311	499	GAEPTG Y SAELSS
2277	P15311	565	RQGRDK y KTLRQI
2278	P15336	13	VNSARQ y KDLWNM
2279	P15336	429	MQKKSGYHTADKD
2280	P15391	95	QQMGGF Y LCQPGP
2281	P15391	157	LMSPKL y vwakdr
2282	P15391	259	AQDAGK Y YCHRGN
2283	P15391	260	QDAGKY Y CHRGNL
2284	P15391	299	SAVTLA Y LIFCLC
2285	P15391	421	EEDSEF Y ENDSNL
2286	P15391	461	FSNAES Y ENEDEE
2287	P15391	500	SLGSQS Y EDMRGI
	P15391	508	
2288			DMRGILYAAPQLR
2289	P15391	531	EEDADSYENMDNP
2290	P15502	43	VPGGVF Y PGAGLG
2291	P15502	103	ADAAAA Y KAAKAG
2292	P15502	228	TTGKLP Y GYGPGG
2293	P15515	29	EKRHHG Y RRKFHE
2294	P15515	46	HREFPF Y GDYGSN
2295	P15515	49	FPFYGD Y GSNYLY
2296	P15529	29	AMVLLL Y SFSDAC
2297	P15529	53	IGKPKP Y YEIGER
2298	P15529	54	GKPKPY Y EIGERV
2299	P15529	62	IGERVD Y KCKKGY
2300	P15529	68	YKCKKG Y FYIPPL
2301	P15529	70	CKKGYF Y IPPLAT
2302	P15529	101	YRETCPYIRDPLN
2302	P15529	117	VPANGT Y EFGYQM
			==
2304	P15529	121	GTYEFG Y QMHFIC
2305	P15529	131	FICNEGYYLIGEE
2306	P15529	132	ICNEGY Y LIGEEI
2307	P15529	140	IGEEIL Y CELKGS
2308	P15529	183	EVEVFE Y LDAVTY
2309	P15529	189	YLDAVT Y SCDPAP

2310	P15529	209	IGESTI Y CGDNSV
2311	P15529	247	GFGKKF Y YKATVM
2312	P15529	248	$FGKKFY\mathbf{Y}KATVMF$
2313	P15529	261	ECDKGF Y LDGSDT
2314	P15529	321	SGPRPTYKPPVSN
2315	P15529	328	KPPVSN Y PGYPKP
2316	P15529	331	VSNYPG Y PKPEEG
2317	P15529	366	VICVVP y rylqrr
2318	P15529	368	CVVPYR y lQrrkk
2319	P15529	378	RKKKGT Y LTDETH
2320	P15927	14	SYGSSS Y GGAGGY
2321	P15927	20	YGGAGG Y TQSPGG
2322	P15927	256	SNEGHI Y STVDDD
2323			
	P15941	1065	EDPSTD Y YQELQR
2324	P15941	1066	DPSTDY Y QELQRD
2325	P15941	1081	EMFLQI Y KQGGFL
2326	P15941	1124	ETQFNQ Y KTEAAS
2327	P15941	1132	TEAASR Y NLTISD
2328	P15941	1177	VALAIV Y LIALAV
2329	P15941	1191	
			QCRRKN Y GQLDIF
2330	P15941	1209	YHPMSE Y PTYHTH
2331	P15976	93	IPGGSP Y AGWAYG
2332	P15976	223	RDRTGH Y LCNACG
2333	P15976	231	CNACGLYHKMNGQ
2334	P16066	152	FGVKDE Y ALTTRA
2335	P16066	228	EDDLSH y trllrt
2336	P16066	395	FQGVTG Y LKIDSS
2337	P16070	196	SGGYIF y TFSTVH
2338	P16070	412	$\mathtt{NRWHEG}\mathbf{Y}\mathtt{RQTPKE}$
2339	P16070	560	TTLLEG Y TSHYPH
2340	P16150	45	PLSSKMYTTSITS
2341	P16150	95	LPEPTT Y QEVSIK
2342	P16152	81	DFLRKE Y GGLDVL
		194	
2343	P16152		GWPSSA Y GVTKIG
2344	P16152	253	GAETPV Y LALLPP
2345	P16157	327	VRLLLQ Y DAEIDD
2346	P16157	1062	TTDFPL y fVIMSR
2347	P16157	1468	ANMENL Y TALQSI
2348	P16220	134	LSRRPS y rkilnd
2349	P16220	175	TVPTPI Y QTSSGQ
	P16220	224	
2350			GTTILQ Y AQTTDG
2351	P16234	98	AAHTGL Y TCYYNH
2352	P16234	102	GLYTCY Y NHTQTE
2353	P16234	118	LEGRHI Y IYVPDP
2354	P16234	120	GRHIYI Y VPDPDV
2355	P16234	136	PLGMTD Y LVIVED
2356	P16234	172	GVVPAS y dsrqgf
2357	P16234	206	TIPFNV Y ALKATS
2358	P16234	225	EALKTV Y KSGETI
2359	P16234	249	VDLQWT y pgevkg
2360	P16234	273	PSIKLV y tltvpe
2361	P16234	375	KIQEIR¥RSKLKL
2362	P16234	392	EEDSGH Y TIVAQN
2363	P16234	405	EDAVKS y tfellt
2364	P16234	555	WKQKPR y EIRWRV
2365	P16234	613	VVEGTA Y GLSRSQ
2366	P16234	676	IYIITE Y CFYGDL
2367	P16234	685	YGDLVN Y LHKNRD

2368	P16234	800	DLLSFT Y QVARGM
2369			
	P16234	881	LSDVWS Y GILLWE
2370	P16234	913	NKIKSG y RMAKPD
2371	P16234	926	HATSEV Y EIMVKC
2372	P16234	944	EKRPSF Y HLSEIV
2373	P16234	958	NLLPGQ Y KKSYEK
2374	P16234	962	GQYKKS Y EKIHLD
			==
2375	P16284	76	QHQMLF Y KDDVLF
2376	P16284	83	KDDVLF y nissmk
2377	P16284	94	MKSTES Y FIPEVR
2378	P16284	102	
			IPEVRI y DSGTYK
2379	P16284	107	IYDSGT y KCTVIV
2380	P16284	123	EKTTAE Y QLLVEG
2381	P16284	290	HGNKAV Y SVMAMV
2382	P16284	302	VEHSGN Y TCKVES
2383	P16284	384	KSDSGT Y ICTAGI
2384	P16284	415	SQPRISYDAQFEV
2385	P16284	442	GTLPIS Y QLLKTS
2386	P16284	474	PTEDVE Y QCVADN
2387	P16284	534	GSGPIT Y KFYREK
2388	P16284	537	PITYKF y REKEGK
2389	P16284	546	KEGKPF Y QMTSNA
2390	P16284	570	KEQEGE Y YCTAFN
			==
2391	P16284	571	EQEGEY Y CTAFNR
2392	P16284	623	IIAAKC Y FLRKAK
2393	P16284	663	MEANSH Y GHNDDV
2394	P16284	728	DAVESR¥SRTEGS
2395	P16401	74	ALAAGG Y DVEKNN
2396	P16410	60	ASFVCE Y ASPGKA
2397	P16410	89	EVCAAT Y MMGNEL
2398	P16410	127	AMDTGL Y ICKVEL
2399	P16410	135	CKVELM Y PPPYYL
2400	P16410	139	LMYPPP Y YLGIGN
2401	P16410	140	MYPPPY Y LGIGNG
2402	P16410	150	GNGTQI Y VIDPEP
2403	P16410	177	SSGLFF Y SFLLTA
2404	P16435	84	RNIIVF Y GSQTGT
2405	P16435	323	GDHVAV Y PANDSA
2406	P16435	575	SDEDYL y reelaq
2407	P16930	128	GDYTDF Y SSRQHA
2408	P16930	159	LHLPVG Y HGRASS
2409	P16930	286	DPRPLP Y LCHDEP
2410	P17302	137	EIKKFK Y GIEEHG
2411	P17302	267	GSQKYA Y FNGCSS
			==
2412	P17302	301	NSSCRNYNKQASE
2413	P17612	180	LIDQQG Y IQVTDF
2414	P17612	216	IILSKG Y NKAVDW
2415	P17612	331	TSNFDD Y EEEEIR
2416	P17661	155	TRVAEL Y EEELRE
2417	P17661	281	RDIRAQ Y ETIAAK
2418	P17661	363	ASEASG Y QDNIAR
2419	P17676	31	EVANFY Y EADCLA
2420	P17676	126	DLFSDD Y GGKNCK
2421	P17676	205	$ exttt{MAAGFP} exttt{Y} exttt{ALRAYL}$
2422	P17707	158	MNSDCW Y LYTLDF
2423	P17707	160	SDCWYL Y TLDFPE
2424	P17707	318	SAMFNDYNFVFTS
2425	P17735	250	ILADEI Y GDMVFS
	: : = =		

2426	P17735	339	$\mathtt{RTPGEF}\mathbf{Y}\mathtt{HNTLSF}$
2427	P17735	354	SNADLC Y GALAAI
2428	P17858	578	$ exttt{MGGYCG}\mathbf{Y} exttt{LATVTG}$
2429	P17858	643	EFLYNL Y SSEGKG
2430	P17858	754	LKMLAQ y rismaa
2431	P17931	36	PAGAGG Y PGASYP
2432	P17931	79	APAPGV Y PGPPSG
2433	P17931	89	PSGPGA Y PSSGQP
2434	P17936	186	AKDSQR y KVDYES
2435	P17936	190	QRYKVD y esqstd
			~ ~
2436	P17936	210	SKRETE Y GPCRRE
2437	P17948	139	RPFVEM Y SEIPEI
2438	P17948	199	IISNAT Y KEIGLL
2439	P17948	268	VQMTWS Y PDEKNK
2440	P17948	309	$NKDKGL\mathbf{Y}TCRVRS$
2441	P17948	353	VAGKRS Y RLSMKV
2442	P17948	403	EEDAGN y tillsi
2443	P17948	533	SRISGI Y ICIASN
	P17948	551	
2444			GRNISF Y ITDVPN
2445	P17948	584	TVNKFL y rdvtwi
2446	P17948	602	NNRTMH Y SISKQK
	P17948	634	LODSGT Y ACRARN
2447			~
2448	P17948	642	CRARNVYTGEEIL
2449	P17948	662	$\mathtt{RDQEAP}\mathbf{Y}\mathtt{LLRNLS}$
2450	P17948	729	EEDEGV Y HCKATN
2451	P17948	794	SEIKTD Y LSIIMD
2452	P17948	815	QCERLP y daskwe
			==
2453	P17948	911	LMVIVE Y CKYGNL
2454	P17948	990	EDSDGF y KEPITM
2455	P17948	1002	MEDLIS y sfqvar
2456	P17948	1048	GLARDI y KNPDYV
2457	P17948	1076	SIFDKI y STKSDV
2458	P17948	1085	KSDVWS Y GVLLWE
2459	P17948	1100	${ t SLGGSPYPGVQMD}$
2460	P17948	1184	GNSGFT Y STPAFS
2461	P17987	121	TSVISG Y RLACKE
	P17987		
2462		181	AVLAIK y TDIRGQ
2463	P17987	214	$\mathtt{SMLISG}\mathbf{Y}\mathtt{ALNCVV}$
2464	P18031	46	NKNRNR Y RDVSPF
2465	P18031	81	EEAQRS Y ILTQGP
2466	P18031	124	$\mathtt{SLKCAQYWPQKEE}$
2467	P18031	152	SEDIKS y ytvrql
2468	P18031	153	EDIKSY y TVRQLE
2469	P18031	176	EILHFH Y TTWPDF
2470	P18031	271	DQLRFS Y LAVIEG
2471	P18031	359	PLNAAP Y GIESMS
2472	P18031	405	EDHALS Y WKPFLV
2473	P18031	424	VLTAGA Y LCYRFL
		427	
2474	P18031		AGAYLC Y RFLFNS
2475	P18124	51	ARRKLI y EKAKHY
2476	P18124	61	KHYHKE \mathbf{Y} RQMYRT
2477	P18124	144	
			PYIAWGYPNLKSV
2478	P18206	100	MLQSDP y svpard
2479	P18206	107	SVPARD Y LIDGSR
2480	P18206	144	CKGILE Y LTVAEV
2481	P18206	160	MEDLVT Y TKNLGP
2482	P18206	692	PGNQAA Y EHFETM
2483	P18206	949	PDMEDD Y EPELLL
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2484	P18509	43	RPEEEA Y GEDGNP
2485	P18509	92	GILNEA Y RKVLDQ
2486	P18509	162	AVLGKR y KQRVKN
2487	P18669	50	ALRDAG Y EFDICF
2488	P18669	92	RLNERH Y GGLTGL
2489	P18669	119	KIWRRS Y DVPPPP
2490	P18669	133	EPDHPF Y SNISKD
2491	P18669	142	ISKDRR y ADLTED
2492	P18669	218	TGIPIV Y ELDKNL
2493	P18754	316	DSEGKA Y SLGRAE
2494	P18754	323	
			SLGRAE Y GRLGLG
2495	P18754	358	CGASVG Y AVTKDG
2496	P18887	136	IVCSQP Y SKDSPF
2497	P18887	211	DPAGPSYAAATLO
			~
2498	P18887	613	VRPRWI Y SCNEKQ
2499	P19021	161	GETGSK y fVLQVH
	P19021		
2500		227	SCHYKNYPMHVFA
2501	P19021	736	NVFAIS Y IPGLLF
2502	P19022	534	MQQNIR Y TKLSDP
2503	P19022	571	NVKNNI Y NATFLA
2504	P19022	594	TGTLQI Y LLDIND
2505	P19113	81	PHMHAY \mathbf{Y} PAL TSW
2506	P19113	322	FWVKDK y klqqtf
2507	P19113	572	SSFLFS Y LSVQTK
2508	P19174	93	SRDFDR Y QEDPAF
2509	P19174	162	WLRKQF Y SVDRNR
2510	P19174	329	NNPLSH Y WISSSH
2511	P19174	338	SSSHNTYLTGDQF
2512	P19174	353	ESSLEA y arclrm
2513	P19174	379	DGMPVI Y HGHTLT
2514	P19174	407	AFVASE Y PVILSI
2515	P19174	481	VPTSMM Y SENDIS
2516	P19174	496	IKNGIL y LEDPVN
2517	P19174	509	HEWYPH Y FVLTSS
2518	P19174	519	TSSKIY Y SEETSS
2519	P19174	595	ETFVGD Y TLSFWR
2520	P19174	633	LVFDSLYDLITHY
2521	P19174	702	RNEPNS Y AISFRA
2522	P19174	741	VDLISY y EKHPLY
2523	P19174	747	YEKHPL Y RKMKLR
2524	P19174	754	
			RKMKLR Y PINEEA
2525	P19174	833	GWWRGD Y GGKKQL
2526	P19174	991	ETKAEK Y VNKAKG
2527	P19174	1003	GKKFLQ Y NRLQLS
			~ ~
2528	P19174	1062	TGRHCGYVLQPST
2529	P19174	1121	EVAGAE y DSTKQK
2530	P19174	1162	FLRFVV Y EEDMFS
2531	P19174	1196	VPLKNN Y SEDLEL
2532	P19367	417	GVDGSL Y KTHPQY
2533	P19367	423	YKTHPQ Y SRRFHK
2534	P19367	725	DDIRTH y DRLVDE
	P19404		
2535		60	DFTPENYKRIEAI
2536	P19404	70	EAIVKN Y PEGHKA
2537	P19404	113	VPPMRV Y EVATFY
2538	P19404	119	YEVATF Y TMYNRK
2539	P19404	122	ATFYTM Y NRKPVG
2540	P19404	130	RKPVGK Y HIQVCT
2541	P19404	192	VQINDN Y YEDLTA
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2542	P19419	66	LSRALR Y YYDKNI
2543	P19419	67	SRALRY Y YDKNII
2544	P19419	83	SGQKFV Y KFVSYP
2545	P19429	29	SSNYRA Y ATEPHA
2546	P19429	112	KVDEER Y DIEAKV
2547	P19525	17	MEELNT Y RQKQGV
2548	P19525	27	QGVVLK Y QELPNS
2549	P19525	118	KRLTVN Y EQCASG
2550	P19525	133	GPEGFH Y KCKMGO
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2551	P19525	142	KMGQKE Y SIGTGS
2552	P19525	176	TSVKSD Y LSSGSF
2553	P19525	257	DMKETK y tvdkrf
2554	P19525	300	VIKRVK Y NNEKAE
2555	P19525	323	HVNIVH Y NGCWDG
2556	P19525	332	CWDGFDYDPETSD
2557	P19525	346	SLESSDYDPENSK
2558	P19525	404	ITKGVD Y IHSKKL
2559	P19525	454	SKGTLR y mspeqi
2560	P19525	465	QISSQD Y GKEVDL
2561	P19525	472	GKEVDL Y ALGLIL
2562	P19793	169	VRKDLT Y TCRDNK
2563	P19793	403	YASLEA Y CKHKYP
2564	P19793	408	AYCKHK Y PEQPGR
			~
2565	P19801	253	EELARK y adgevd
2566	P19801	463	TVYNYD Y IWDFIF
2567	P19801	490	YVHATF Y TPEGLR
2568	P19823	73	VDQVTL y SYKVQS
2569	P19823	194	WRKLGS Y EHRIYL
2570	P19823	505	RNVQFNYPHTSVT
2571	P19827	123	VTAWKQ Y RKAAIS
			==
2572	P19827	472	QQLQGF Y SQVAKP
2573	P19827	568	VERLWA y ltiqel
2574	P19838	177	VHPDLA Y LQAEGG
2575	P19838	485	GEVTLT Y ATGTKE
2576	P19838	582	NMRNDL Y QTPLHL
2577	P20020	11	ANNSVA Y SGVKNS
2578	P20020	391	VIILVL y fVIDTF
2579	P20020	412	AECTPI Y IQYFVK
2580	P20138	49	FFHPIP Y YDKNSP
2581	P20138	50	FHPIPY Y DKNSPV
2582	P20138	59	NSPVHG Y WFREGA
2583	P20138	116	RRDNGS Y FFRMER
2584	P20138	127	ERGSTK y SYKSPQ
2585	P20138	129	GSTKYS Y KSPQLS
	P20138	233	IQLNVT Y VPQNPT
2586			~ ~
2587	P20155	31	FGLFSK Y RTPNCS
2588	P20155	39	TPNCSQ Y RLPGCP
2589	P20155	59	GSDMST Y ANECTL
2590	P20336	21	SDQNFD Y MFKILI
2591	P20336	84	TAGQER Y RTITTA
2592	P20336	123	STQIKT Y SWDNAQ
2593	P20338	61	INVGGK Y VKLQIW
2594	P20338	101	ITSRETYNALTNW
2595	P20338	194	MGSGIQ Y GDAALR
2596	P20366	30	ANDDLN y wsdwyd
2597	P20366	35	NYWSDW Y DSDQIK
2598	P20366	88	ALLKAL Y GHGQIS
2599	P20393	51	TQGCPT Y FPPSPT
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2600	P20393	95	SSSSSF Y NGSPPG
2601	P20393	365	RQAPSSYPPTWPP
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2602	P20591	205	KTLIKK Y IQRQET
2603	P20591	584	FQHLMA Y HQEASK
2604	P20591	626	LQDKDT Y SWLLKE
2605	P20749	83	ARPEAL Y YPGALL
2606	P20749	240	DLEARNYDGLTAL
2607	P20749	307	NVNAQMYSGSSAL
2608	P20908	240	YDYCEH Y SPDCDT
2609	P20908	1715	RGKLLS Y VDAEGN
2610	P20908	1795	CATKKG Y QKTVLE
2611	P20933	167	RNCQPNYWRNVIP
2612	P20933	178	IPDPSK Y CGPYKP
2613	P20933	246	IPGAGA Y ADDTAG
2614	P21127	67	TIRNSP y rredsm
2615	P21127	594	GSPLKA y TPVVVT
2616	P21127	681	TFSEHP Y NNLRKR
2617	P21283	181	FVLDSE Y LVTLLV
2618	P21283	201	$ exttt{NDWIKQ}\mathbf{Y}$ ETLAEM
2619	P21283	367	LSQQEY Y PYVYYK
2620	P21397	100	SERLVQ Y VKGKTY
			I ===
2621	P21397	124	PIAYLD Y NNLWRT
2622	P21397	419	PGIMTQ Y GRVIRQ
2623	P21453	198	STVLPL Y HKHYIL
2624	P21453	221	
			LSIVIL Y CRIYSL
2625	P21453	311	GTNPII Y TLTNKE
2626	P21549	54	SMSKDM Y QIMDEI
2627	P21549	176	GELCHR Y KCLLLV
2628	P21549	204	QGIDIL Y SGSQKA
2629	P21675	110	TEDAVDYSDINEV
2630	P21675	903	RLKDAG Y GEKSFF
2631	P21675	1601	EIVNVC Y QTLTEY
2632	P21730	11	NYTTPD Y GHYDDK
2633	P21730	258	FIFWLP Y QVTGIM
2634	P21730	300	CINPII Y VVAGQG
2635	P21754	112	TDDALVYSTFLLH
2636	P21754	142	IPIECR Y PRQGNV
2637	P21754	230	DQNASPYHTIVDF
2638	P21796	62	GSLETK Y RWTEYG
2639	P21796	67	KYRWTE Y GLTFTE
2640	P21796	247	SLIGLG Y TQTLKP
2641	P21815	263	VEYEGE Y EYTGAN
2642	P21815	265	YEGEYE Y TGANEY
2643	P21815	308	GQGYDGYDGQNYY
			I
2644	P21980	125	LEASTG Y QGSSFV
2645	P21980	351	PDLQPG Y EGWQAL
2646	P21980	548	VPLČIL Y EKYRDC
2647	P22061	46	
			YAKCNPYMDSPQS
2648	P22061	147	GDGRMG Y AEEAPY
2649	P22061	153	YAEEAP Y DAIHVG
2650	P22234	122	KEGYKF y ppkvel
2651	P22234	231	QKDKQS Y RDLKEV
2652	P22234	316	LRIKAE Y EGDGIP
2653	P22314	922	HRQLDS Y KNGFLN
2654	P22314	978	LKQFLD Y FKTEHK
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2655	P22314	998	QGVSML Y SFFMPA
2656	P22466	41	TLNSAG Y LLGPHA
2657	P22681	83	LKNSPP Y ILDLLP

2659 P.22681 92 DLLPDTYORLRIT 2660 P.22681 102 RTILSRYECKMET 2660 P.22681 141 EGKERMYENNOP 2662 P.22681 291 IHKPGSYIFRLSC 2662 P.22681 307 GOWAIGYVTADGN 2664 P.22681 337 GFREGFYLFPDGR 2665 P.22681 455 GAPSPNYDDDDDE 2666 P.22681 552 PPPDRYSVGABS 2666 P.22681 552 PPPDRYSVGABS 2667 P.22681 735 CTYERMYNIQSQA 2668 P.22681 869 NLMSGGYSYQDIQ 2669 P.22681 871 MSQGYSYQDIQ 2669 P.22681 871 MSQGYSYQDIQ 2670 P.22692 70 GMPCGYYTPRCS 2671 P.22692 81 GSGLKCYPPRGVE 2672 P.22692 197 RTHEDLYIIPIEN 2673 P.22735 257 CPEDIVYVDHEDW 2674 P.22735 370 GSKPNVYANRGSA 2676 P.22736 112 FQVYGCYPPLSG 2677 P.22736 112 FQVYGCYPPLSG 2677 P.22736 122 FQVYGCYPPLSG 2679 P.22891 148 LPGQESYTCSCAQ 2679 P.22891 65 YELICVYERAREV 2680 P.22891 148 LPGQESYTCSCAQ 2681 P.22891 231 NITVKTYPNRTSQ 2682 P.22914 67 ILPQGEYEPYQRW 2684 P.22914 67 ILPQGEYEPYQRW 2685 P.23025 148 TEAKQEYLLKDCD 2687 P.23025 148 TEAKQEYLLKDCD 2688 P.23193 158 LRTGDDYLAIGAD 2689 P.23193 177 2690 P.23193 273 KKKNCTYTQVQTR 2691 P.23229 449 LGKVFIRPPR 2692 P.23229 449 LGKVFIRPPR 2693 P.23229 476 DPDGFYYKTRPPR 2694 P.23246 381 VRNLEDDMYRKTCTM 2695 P.23246 381 VRNLEDDMYRKTCTM 2696 P.23246 381 VRNLEDPRYSNELL 2697 P.23246 488 QHGTTEYSORW 2698 P.23193 177 2690 P.23246 381 VRNLEDPRYSNELL 2697 P.23246 490 GTFEYSYSORW 2699 P.23246 488 QHGTFEYSORW 2699 P.23246 597 RQREESYSRMYM 2699 P.23246 691 PGTEYSORW 2699 P.23246 691 PGTEYSYSORW 2699 P.23246 691 PGTEYSYSORW 2699 P.23246 691 PGTPAGYGREE 2699 P.23246 691 PGTPAGYGREE 2699 P.23246 691 PGTPAGYGREE 2700 P.23246 691 PGTPAGYGREE 2701 P.23246 691 PGTPAGYGREE 2702 P.23246 691 PGTPAGYGREE 2703 P.23246 691 PGTPAGYGREE 2704 P.23246 691 PGTPAGYGREE 2705 P.23246 691 PGTPAGYGREE 2706 P.23246 691 PGTPAGYGREE 2707 P.23297 75 EVDFCEYVVLVAA 2701 P.23297 775 EVDFCEYVLVAA 2711 P.23396 107 QAESLRYKLLGCL 2711 P.23396 107 QAESLRYKLLGCL 2711 P.23396 107 QAESLRYKLLGCL 2711 P.23396 107 QAESLRYKL				
2659 P22681 102 RTILSRYECKMET 2661 P22681 114 TLGEMEYFRVFME 2661 P22681 291 IHKPGSYJFRLSC 2663 P22681 307 GQWALGYVTADEN 2664 P22681 337 GFREGFYLFDGR 2665 P22681 455 GAPSPNYDDDDE 2666 P22681 455 CAPSPNYDDDDE 2666 P22681 552 PPPDRPYSVGAES 2667 P22681 869 NLMSQGYSYQDIQK 2668 P22681 871 MSQGYSYQDIQK 2669 P22681 871 MSQGYSYQDIQK 2669 P22692 70 GMCQCYTPTRGGS 2671 P22692 70 GMCQCYTPTRGGS 2671 P22692 197 RTHEDLYIIPIPN 2673 P22735 370 SYLRTGYSYPYGQ 2674 P22735 370 SYLRTGYSYPYGQ 2675 P22736 112 FQVYGCYPFRUS 2676 P22736 112 FQVYGCYPFRUS 2677 P22736 132 SSGSDYYGSPCSA 2678 P22736 132 SSGSYYGSPCSA 2678 P22736 279 NSCQCHYGWTCE 2680 P22891 65 YEELCVYEEAREV 2680 P22891 48 LPGGDSYTTCE 2681 P22891 48 LPGGDSYTCSCAQ 2681 P22891 48 LPGGDSYTCSCAQ 2682 P22914 60 NFAGYMYLLPQGE 2683 P22914 67 LPQGCYFFRUS 2684 P22914 94 LPSGQYKIQIFE 2685 P23025 246 IVHQHEYGPENN 2686 P23025 246 IVHQHEYGPENN 2687 P23025 246 IVHQHEYGPENN 2688 P23193 158 LRTGDDYLAIGAD 2689 P23193 273 KKNCTYTOVQTR 2699 P23299 449 LGKVFIYHGSANG 2690 P23193 273 KKNCTYTOVQTR 2691 P23229 276 DPDGFVYKTRPPR 2692 P23229 449 LGKVFIYHGSANG 2694 P23246 381 VRNLSPYVSNELL 2695 P23246 490 GTFEYEYSQRW 2696 P23246 381 VRNLSPYVSNELL 2697 P23246 490 GTFEYEYSQRW 2698 P23246 490 GTFEYEYSQRW 2699 P23246 602 SYSRMGYM 2699 P23246 602 SYSRMGYM 2699 P23246 602 SYSRMGYM 2700 P23246 602 SYSRMGYM 2701 P23246 699 GRGREEYEGPNKK 2700 P23246 699 GRGREEYEGPNKK 2701 P23246 699 PGSLCGYCSFCNR 2701 P23297 77 GKGBLYLLGL	2658	P22681	92	$DI.I.PDT\mathbf{Y}OHI.RTI$
2660 P22681 114 EGKERMYEENSQP 2661 P22681 291 IHKPGSYIFRLSC 2662 P22681 307 GQWAIGYVTADGN 2664 P22681 337 GFREGFYLFPDGR 2665 P22681 455 GAPSNYDDDDDE 2665 P22681 455 GAPSNYDDDDDE 2666 P22681 552 PPPDRPYSVGAES 2667 P22681 735 CTYBEMYNIQSQA 2668 P22681 869 NLMSGGYSYQDIQ 2669 P22681 871 MSQGYSYQDIQ 2669 P22681 871 MSQGYSYQDIQ 2670 P22692 70 CMPCGVYTPRCGS 2671 P22692 81 GSGLRCYPPRGVE 2671 P22692 81 GSGLRCYPPRGVE 2672 P22692 197 RTHEDLYIIFIEN 2673 P22735 257 CPEDIVYVDHEDW 2674 P22735 370 GSKPNVYANRGSA 2676 P22736 112 FQVYGCYPPLSG 2677 P22736 112 FQVYGCYPPLSG 2677 P22736 112 FQVYGCYPPLSG 2678 P22736 279 NASCQHYGYRTCE 2679 P22891 65 YEELCVYEEAREV 2680 P22891 148 LPGGESYTCSCAQ 2681 P22891 231 NITVKTYFNRTSQ 2682 P22914 67 LPGGESYTCSCAQ 2683 P22914 67 LPGGESYTCSCAQ 2684 P22914 94 LPSGGYKIQIFE 2686 P23025 148 TEARQEYLKDCD 2687 P23025 257 NLEDDMYRKTCIM 2688 P23193 158 LRTGDDYIAIGAD 2689 P23193 158 LRTGDDYIAIGAD 2689 P23193 177 QIEARLYGERENL 2680 P23193 158 LRTGDDYIAIGAD 2680 P23294 49 LPSGGYKIQIFE 2686 P23025 257 NLEDDMYRKTCIM 2688 P23193 158 LRTGDDYIAIGAD 2689 P23193 177 QIEARLYGERNIT 2690 P23193 273 KKKNCTYTQVQTR 2691 P23229 276 DPDGFVYKTRPFR 2692 P23229 1049 SKTVAQYSGVPW 2693 P23229 1049 SKTVAQYSGVPW 2694 P23246 381 VRNLSPYVSNELL 2695 P23246 488 QHGTFEYSQRW 2696 P23246 488 QHGTFEYSQRW 2697 P23246 490 GTFEYSYSQRW 2698 P23246 488 QHGTFEYSQRW 2699 P23246 490 GTFEYSYSQRW 2699 P23246 490 GTFEYSYSQRW 2699 P23246 490 GTFEYSYSQRW 2699 P23246 490 GTFEYSYSQRW 2699 P23246 602 SYSRMGYM 2700 P23246 604 GYNLSPYVSNELL 2696 P23246 604 GYNLSPYVSNELL 2697 P23246 604 GYNLSPYVSNELL 2698 P23246 604 GYNLSPYVSNELL 2699 P23246 604 GYNLSPYSNELL 2699 P23246 609 GREENEYSQRW 2700 P23246 609 GREENEYSQRW 2701 P23246 609 GREENEYSQRW 2701 P23246 609 GREENEYSQRW 2701 P				
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2671	2669	P22681	871	MSQGYS Y QDIQKA
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2676	2675	P22735	570	GSKPNV Y ANRGSA
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2688 P23193 158 LRTGDDYIAIGAD 2689 P23193 177 QIEEAIYQEIRNT 2690 P23193 273 KKKNCTYTQVQTR 2691 P23229 276 DPDQFVYKTRPPR 2692 P23229 449 LGKVFIYHGSANG 2693 P23229 1049 SKTVAQYSGVPWW 2694 P23246 251 RQHPPPYHQQHHQ 2695 P23246 320 KRLFAKYGEPGEV 2696 P23246 381 VRNLSPYVSNELL 2697 P23246 470 AQKNPMYQKERET 2698 P23246 488 QHGTFEYEYSQRWK 2699 P23246 490 GTFEYEYSQRWKS 2700 P23246 527 SEMEDAYHEHQAN 2701 P23246 597 RQREESYSRMGYM 2702 P23246 602 SYSRMGYMDPRER 2703 P23246 624 MNMGDPYGSGGQK 2704 P23246 642 GGGGIGYEANPGV 2705 P23246 <td></td> <td></td> <td></td> <td></td>				
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2712 P23396 34 ELAEDG Y SGVEVR 2713 P23396 107 QAESLR Y KLLGGL				
2713 P23396 107 QAESLR Y KLLGGL				
				ELAEDG Y SGVEVR
	2713	P23396	107	QAESLR y KLLGGL
2715 P23434 84 ALGDVV Y CSLPEV	2/15	FZ3434	84	ALGDVV Y CSLPEV

2716	P23434	139	LVNKSCYEDGWLI
2717	P23434	164	LMSEEA Y EKYIKS
2718	P23443	198	EDTACF Y LAEISM
2719	P23443	259	FCGTIE Y MAPEIL
2720	P23443	315	KLNLPP Y LTQEAR
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2721	P23458	89	ENTKLW Y APNRTI
2722	P23458	112	HYRMRF Y FTNWHG
2723	P23458	164	LFAQGQ Y DLVKCL
2724	P23458	217	LPKDIS Y KRYIPE
2725	P23458	220	DISYKR y IPETLN
2726	P23458	281	ETLTKH Y GAEIFE
2727	P23458	312	DGGNVL Y YEVMVT
2728	P23458	313	
			GGNVLY Y EVMVTG
2729	P23458	368	EWNNFS Y FPEITH
2730	P23458	412	VSLVDG Y FRLTAD
2731	P23458	422	TADAHHYLCTDVA
2732	P23458	448	GPICTE Y AINKLR
2733	P23458	463	GSEEGM Y VLRWSC
2734	P23458	568	QEWQPV Y PMSQLS
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2735	P23458	598	GTRTHI Y SGTLMD
2736	P23458	704	LASALS Y LEDKDL
2737	P23458	788	TLWEICYNGEIPL
2738	P23458	894	KVELCR Y DPEGDN
2739	P23458	933	EILRNL Y HENIVK
2740	P23458	967	SGSLKE Y LPKNKN
2741	P23458	983	LKQQLK y avqick
2742	P23458	1048	
			DSPVFW Y APECLM
2743	P23458	1059	LMQSKF Y IASDVW
2744	P23458	1125	NCPDEV Y QLMRKC
2745	P23508	110	IREEDE Y SELRSE
2746	P23508	459	EQCIEA Y ELLLAL
2747	P23508	572	EQRLKD Y IQQLKN
2748	P23526	100	KAGIPV Y AWKGET
2749	P23526	257	QAAMEG Y EVTTMD
2750	P23526	328	KPQVDR Y RLKNGR
2751	P23528	82	PDKDCR Y ALYDAT
2752	P23528	85	DCRYAL Y DATYET
2753	P23528	140	ELQANC Y EEVKDR
2754	P23588	33	TGGGST Y VSKPVS
2755	P23588	228	DKYRDR Y DSDRYR
2756	P23588	241	DGYRDG Y RDGPRR
2757	P23760	20	PGPGQNYPRSGFP
2758	P23760	354	PDSSSA Y CLPSTR
2759	P23760	466	MDPVTG Y QYGQYG
2760	P24385	17	ETIRRA Y PDANLL
2761	P24385	84	FPLAMN Y LDRFLS
2762	P24385	227	NNFLSY Y RLTRFL
2763	P24390	125	LWTFSI Y LESVAI
2764	P24390	151	ETITSH Y LFALGV
2765	P24390	196	LYCDFF Y LYITKV
2766	P24394	38	PTCVSD Y MSISTC
2767	P24394	62	TELRLL Y QLVFLL
2768	P24394	99	VVSADNYTLDLWA
2769	P24394	147	LTWSNPYPPDNYL
2770	P24394	152	PYPPDN Y LYNHLT
2771	P24394	154	PPDNYL Y NHLTYA
2772	P24394	159	LYNHLT Y AVNIWS
2773	P24394	175	PADFRI Y NVTYLE

2774	P24394	179	RIYNVT Y LEPSLR
2775	P24394	197	LKSGIS y rarvra
2776	P24394	208	RAWAQC Y NTTWSE
2777	P24394	225	TKWHNS Y REPFEQ
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2778	P24394	252	AVCLLC Y VSITKI
2779	P24394	713	LGSGIV Y SALTCH
2780	P24593	70	GQSCGV Y TERCAQ
2781	P24593	106	CLNEKS Y REQVKI
2782	P24593	247	CWCVDK Y GMKLPG
2783	P24666	50	SAATSG Y EIGNPP
2784	P24666	58	IGNPPD Y RGQSCM
2785	P24666	88	DFATFD Y ILCMDE
2786	P24666	120	IELLGS y dpokol
2787	P24666	143	SDFETV Y QQCVRC
2788	P24821	837	DGIELT Y GIKDVP
2789	P24821	1775	LIPGVE Y LVSIIA
2790	P24821	1917	RASVTG Y LLVYES
2791	P24864	159	MEVCEV Y KLHRET
2792	P24864	176	
			QDFFDR Y MATQEN
2793	P24864	253	VSWLNV y MQVAYL
2794	P24928	1797	SPTSPS Y SPTSPS
2795	P24928	1839	SPASPK Y TPTSPS
2796	P24928	1895	SPTSPT Y SPTSPV
2797	P25205	312	SIHGHD Y VKKAIL
2798	P25205	357	KSQLLR Y VLCTAP
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2799	P25205	653	ELVQYA Y FKKVLE
2800	P25311	108	KDIVEY Y NDSNGS
2801	P25311	144	YYDGKD Y IEFNKE
2802	P25311	193	PATLRK Y LKYSKN
2803	P25398	61	NCDEPM Y VKLVEA
2804	P25398	114	CVVVKD Y GKESQA
2805	P25788	105	FRSNFG Y NIPLKH
2806	P25788	141	${\sf SFMLGSYSVNDGA}$
2807	P25788	150	NDGAQL Y MIDPSG
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2808	P25963	181	ILKATN Y NGHTCL
2809	P25963	195	LASIHG Y LGIVEL
2810	P25963	248	DVNRVT Y QGYSPY
			==
2811	P25963	251	RVTYQG Y SPYQLT
2812	P25963	254	YQGYSP Y QLTWGR
2813	P25963	289	SEDEES Y DTESEF
2814	P25963	305	TEDELPYDDCVFG
2815	P26358	827	EDMQLS Y IHSKVK
2816	P26358	863	GDDGKT y fyolwy
2817	P26358	1084	~
			GGPNRF Y FLEAYN
2818	P26368	269	IGGLPN Y LNDDQV
2819	P26368	307	GYAFCE Y VDINVT
2820	P26368	395	LLDDEE Y EEIVED
2821	P26378	89	TGQSLG Y GFVNYI
2822	P26378	94	GYGFVN Y IDPKDA
2823	P26378	348	FVTMTN Y DEAAMA
2824	P26599	193	IVENLF Y PVTLDV
2825	P26599	228	FQALLQ Y ADPVSA
2826	P26599	247	LDGQNI Y NACCTL
2827	P26640	151	WLRLHTYLAGEAP
2828	P26640	210	LGEVVL Y SGARPL
2829	P26640	428	EKGDRI Y HQLKKL
2830	P26641	24	ALIAAQ Y SGAQVR
2831	P26641	77	ESNAIA Y YVSNEE
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2833	2832	P26641	145	LGLLDA Y LKTRTF
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2855 P27361 334 PYLEQTYDPTDEP 2856 P27695 118 PGLSHQYWSAPSD 2857 P27695 262 LYPNTPYAYTFWT 2858 P27695 284 VGWRLDYFLLSHS 2859 P27707 131 FFERSVYSDRYIF 2860 P27707 135 SVYSDRYIFASNL 2861 P27708 550 AAERLGYPVLVRA 2862 P27708 679 PESEQYYIIEVNA 2863 P27708 679 PESEQYYIIEVNA 2864 P27815 148 RRESFLYRSDSDY 2865 P27815 286 GNQVSEYISTTFL 2866 P27815 396 SLTCIMYMIFQER 2867 P27816 110 LEEKMAYQEYPNSQNW 2868 P27816 113 KMAYQEYPNSQNW 2871 P28072 124 KEMCYRYREDLMA 2872 P28072 146 QEGGQVYSVPMGG 2873 P28072 177 GYVDATYREGMTK 2874 P28223 <td>2854</td> <td>P27361</td> <td>333</td> <td>$\mathtt{HPYLEQ} \textbf{Y} \mathtt{YDPTDE}$</td>	2854	P27361	333	$\mathtt{HPYLEQ} \textbf{Y} \mathtt{YDPTDE}$
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2861 P27707 227 LKTNFDYLQEVPI 2862 P27708 550 AAERLGYPVLVRA 2863 P27708 679 PESEQYYIEVNA 2864 P27708 2212 QAENGMYIRMALL 2865 P27815 148 RRESFLYRSDSDY 2866 P27815 286 GNQVSEYISTTFL 2867 P27815 396 SLTCIMYMIFQER 2868 P27816 110 LEEKMAYQEYPNSQNW 2870 P27816 1001 VSKKVSYSHIQSK 2871 P28072 124 KEMCYRYREDLMA 2872 P28072 146 QEGGVYSVPMGG 2873 P28072 177 GYVDATYREGMTK 2874 P28223 28 NDDTRLYSNDFNS 2875 P28223 139 LTILYGYRWPLPS 2877 P28370 144 LISAGDYRHRRTE 2878 P28370 177 FEVSPSYVKGGPL 2879 P28370 198 NWLISLYENGVNG 2881 P28370 <td>2860</td> <td>P27707</td> <td>135</td> <td>SVYSDRYIFASNL</td>	2860	P27707	135	SVYSDR Y IFASNL
2862 P27708 550 AAERLGYPVLVRA 2863 P27708 679 PESEQYYITEVNA 2864 P27708 2212 QAENGMYIRMALL 2865 P27815 148 RRESFLYRSDSDY 2866 P27815 286 GNQVSEYISTTFL 2867 P27815 396 SLTCIMYMIFQER 2868 P27816 110 LEEKMAYQEYPNSQNW 2869 P27816 1001 VSKKVSYSHIQSK 2871 P28072 124 KEMCYRYREDLMA 2872 P28072 146 QEGGQVYSVPMGG 2873 P28072 146 QEGGQVYSVPMGG 2874 P28223 28 NDDTRLYSNDFNS 2875 P28223 111 LQNATNYFLMSLA 2876 P28223 139 LTILYGYRWPLPS 2877 P28370 144 LISAGDYRHRTE 2879 P28370 177 FEVSPSYVKGGPL 2879 P28370 198 NWLISLYENGVNG 2881 P28370 <td></td> <td></td> <td></td> <td></td>				
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2868 P27816 110 LEEKMAYQEYPNS 2869 P27816 113 KMAYQEYPNSQNW 2870 P27816 1001 VSKKVSYSHIQSK 2871 P28072 124 KEMCYRYREDLMA 2872 P28072 146 QEGGQVYSVPMGG 2873 P28072 177 GYVDATYREGMTK 2874 P28223 28 NDDTRLYSNDFNS 2875 P28223 111 LQNATNYFLMSLA 2876 P28223 139 LTILYGYRWPLPS 2877 P28370 144 LISAGDYRHRRTE 2878 P28370 177 FEVSPSYVKGGPL 2879 P28370 186 GGPLRDYQIRGLN 2880 P28370 198 NWLISLYENGVNG 2881 P28370 224 TIALLGYLKHYRN 2882 P28370 228 LGYLKHYRNIPGP 2883 P28370 290 DVCVTSYEMVIKE 2884 P28370 416 KKEIKIYLGLSKM 2885 P28370 427 KMQREWYTKILMK 2886 P28370 464		P27815	396	I
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2880 P28370 198 NWLISLYENGVNG 2881 P28370 224 TIALLGYLKHYRN 2882 P28370 228 LGYLKHYRNIPGP 2883 P28370 290 DVCVTSYEMVIKE 2884 P28370 307 KKFHWRYLVIDEA 2885 P28370 416 KKEIKIYLGLSKM 2886 P28370 427 KMQREWYTKILMK 2887 P28370 464 KCCNHPYLFDGAE 2888 P28370 475 AEPGPPYTTDEHI	2879	P28370	186	GGPLRD Y QIRGLN
2881 P28370 224 TIALLGYLKHYRN 2882 P28370 228 LGYLKHYRNIPGP 2883 P28370 290 DVCVTSYEMVIKE 2884 P28370 307 KKFHWRYLVIDEA 2885 P28370 416 KKEIKIYLGLSKM 2886 P28370 427 KMQREWYTKILMK 2887 P28370 464 KCCNHPYLFDGAE 2888 P28370 475 AEPGPPYTTDEHI				I ==
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2888 P28370 475 AEPGPP Y TTDEHI				I
Z889 PZ8370 5ZI LDILED Y CMWRGY				
	2889	P28370	521	TDTTED X CWMKGX

2890	P28370	527	YCMWRG Y EYCRLD
2891	P28370	529	MWRGYE Y CRLDGQ
2892	P28370	757	RERKAN Y AVDAYF
2893		762	
	P28370		NYAVDA Y FREALR
2894	P28370	806	LEKEIL Y YRKTIG
2895	P28370	807	EKEILY Y RKTIGY
2896	P28370	875	IKANEK Y GRDDID
2897	P28370	898	PEEVME Y SAVFWE
2898	P28370	943	DAKIAR Y KAPFHQ
2899	P28370	962	TSKGKN Y TEEEDR
2900	P28370	985	FDRENV Y EELROC
			~
2901	P28749	274	EHYFKP Y ISKLFD
2902	P28749	309	NKEYEE Y VLTVGD
2903	P28749	469	LAEILY Y KILETV
2904	P29083	20	LKRLAK y VIRGFY
2905	P29083	26	YVIRGF Y GIEHAL
2906	P29083	188	EOIEPI Y ALLRET
2907	P29144	33	LCRYPE Y DGRGVL
	_		
2908	P29144	407	KLPANQYTWSSRG
2909	P29144	707	YRSHEF Y KFCSLP
2910	P29317	48	GWLTHP Y GKGWDL
2911	P29317	65	MNDMPI Y MYSVCN
2912	P29317	67	DMPIYM Y SVCNVM
2913	P29317	87	LRTNWV Y RGEAER
2914	P29317	122	KETFNL Y YAESDL
2915	P29317	123	ETFNLY Y AESDLD
2916	P29317	197	LLSVRV y ykkcpe
2917	P29317	266	CLCQAG Y EKVEDA
2918	P29317	334	PPSAPH Y LTAVGM
2919	P29317	385	CEASVR Y SEPPHG
2920	P29317	408	LEPHMN Y TFTVEA
2921	P29317	469	OSRVWK Y EVTYRK
2922		473	~
	P29317		WKYEVT Y RKKGDS
2923	P29317	503	LAPDTT Y LVQVQA
2924	P29317	575	QSPEDV Y FSKSEQ
2925	P29317	594	YVDPHT Y EDPNQA
2926	P29317	652	KTLKAG $f Y$ TEKQRV
2927	P29317	685	EGVISK y KPMMII
2928	P29317	694	MMIITE Y MENGAL
2929	P29317	772	DDPEATYTTSGGK
2930	P29317	791	APEAIS Y RKFTSA
2931	P29317	813	MWEVMT Y GERPYW
2932	P29317	818	TYGERPYWELSNH
2933	P29317	847	DCPSAI Y QLMMQC
2934	P29350	61	QNSGDF Y DLYGGE
2935	P29350	78	LTELVE Y YTQQQG
2936	P29350	79	TELVEY Y TQQQGV
2937	P29350	98	TIIHLKYPLNCSD
2938	P29350	111	PTSERW Y HGHMSG
2939	P29350	176	MCEGGR Y TVGGLE
2940	P29350	208	ASGAFV Y LRQPYY
2941	P29350	213	VYLRQP Y YATRVN
2942	P29350	214	YLRQPY Y ATRVNA
2943	P29350	276	NKGKNR Y KNILPF
2944	P29350	301	NIPGSD Y INANYI
2945	P29350	306	DYINAN y iknQll
2946	P29350	321	DENAKT Y IASQGC
2947	P29350	364	RNKCVP Y WPEVGM
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2948				
2949	2948	P29350	374	VGMORA Y GPYSVT
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2978 P29597 962 HEHIIKYKGCCED 2979 P29597 980 LQLVMEYVPLGSL 2980 P29597 989 LGSLRDYLPRHSI 2981 P29597 1019 YLHAQHYIHRDLA 2982 P29597 1055 PEGHEYYRVREDG 2983 P29597 1068 DSPVFWYAPECLK 2984 P29597 1079 LKEYKFYYASDVW 2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29597 1176 KTVHEKYQGQAPS 2989 P29692 18 WFDKFKYDDAERR 2989 P29692 18 WFDKFKYDDAERR 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 </td <td>2977</td> <td>P29597</td> <td>955</td> <td>DII.RTI.YHEHIIK</td>	2977	P29597	955	DII.RTI. Y HEHIIK
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2981 P29597 1019 YLHAQHYIHRDLA 2982 P29597 1055 PEGHEYYRVREDG 2983 P29597 1068 DSPVFWYAPECLK 2984 P29597 1079 LKEYKFYYASDVW 2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFROGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 <td>2980</td> <td>P29597</td> <td>989</td> <td>LGSLRDYLPRHSI</td>	2980	P29597	989	LGSLRD Y LPRHSI
2982 P29597 1055 PEGHEYYRVREDG 2983 P29597 1068 DSPVFWYAPECLK 2984 P29597 1079 LKEYKFYYASDVW 2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 47 LDTVTFYKVIPKS 2993 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2998 P30040 151 LKGQGVYLGMPGC 2998 P30040 202 KKWAEQYLKIMGK 3000 P30260 58		P29597		
2983 P29597 1068 DSPVFWYAPECLK 2984 P29597 1079 LKEYKFYYASDVW 2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 740				
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2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 325	2983	P29597	1068	DSPVFW Y APECLK
2985 P29597 1080 KEYKFYYASDVWS 2986 P29597 1145 KCPCEVYHLMKNC 2987 P29597 1176 KTVHEKYQGQAPS 2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 325	2984	P29597	1079	LKEYKF y yasdvw
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2988 P29692 18 WFDKFKYDDAERR 2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
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2989 P29692 182 EERLRQYAEKKAK 2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK	2988	P29692	18	WFDKFK Y DDAERR
2990 P29692 238 KLVPVGYGIRKLQ 2991 P30040 47 LDTVTFYKVIPKS 2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
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2992 P30040 96 EVGISDYGDKLNM 2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK	2991	P30040	47	LDTVTF Y KVIPKS
2993 P30040 108 MELSEKYKLDKES 2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK	2992	P30040	96	EVGISD Y GDKT.NM
2994 P30040 115 KLDKESYPVFYLF 2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
2995 P30040 119 ESYPVFYLFRDGD 2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
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2996 P30040 132 FENPVPYTGAVKV 2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK	2995	P30040	119	ESYPVF Y LFRDGD
2997 P30040 151 LKGQGVYLGMPGC 2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK	2996			
2998 P30040 161 PGCLPVYDALAGE 2999 P30040 202 KKWAEQYLKIMGK 3000 P30260 58 GKAYKAYRLLKGH 3001 P30260 604 PNYAYAYTLLGHE 3002 P30260 740 PKESLVYFLIGKV 3003 P30291 132 KSPAAPYFLGSSF 3004 P30291 325 RLDGCIYAIKRSK				
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3002 P30260 740 PKESLV Y FLIGKV 3003 P30291 132 KSPAAP Y FLGSSF 3004 P30291 325 RLDGCI Y AIKRSK				
3003 P30291 132 KSPAAP y flgssf 3004 P30291 325 RLDGCI y aikrsk				
3004 P30291 325 RLDGCI y AIKRSK	3002	P30260	740	PKESLV Y FLIGKV
3004 P30291 325 RLDGCI y AIKRSK	3003	P30291	132	KSPAAP Y FLGSSF
SUUS PSUZ91 362 HSHVVR Y FSAWAE				
	3005	P30291	362	HSHVVR Y FSAWAE

3006	P30304	391	CRYPYE Y EGGHIK
3007	P30304	444	GPRMCR Y VRERDR
3008	P30304	486	YCEPPS Y RPMHHE
3009	P30305	396	RELIGD Y SKAFLL
3010	P30305	444	VDCRYP y EYEGGH
3011	P30305	542	FCEPQD Y RPMNHE
3012	P30307	212	VSRSGLYRSPSMP
3013	P30307	326	GLIEKF y VIDCRY
3014	P30307	348	QGALNL Y SQEELF
3015	P30411	95	CTVAEI Y LGNLAA
3016	P30411	215	TACVISYPSLIWE
3017	P30411	322	
			IASFMAYSNSCLN
3018	P30519	75	LATTAL Y FTYSAL
3019	P30519	134	PKAAQK Y VERIHY
3020	P30519	202	QQFKQL Y RARMNA
3021	P30530	115	LSDTGQ Y QCLVFL
			~ ~
3022	P30530	132	FVSQPG Y VGLEGL
3023	P30530	140	GLEGLP Y FLEEPE
3024	P30530	253	PGLSGI Y PLTHCT
3025	P30530	305	LHPHTP Y HIRVAC
3026	P30530	367	QGTLLG y rlayqg
3027	P30530	371	LGYRLA Y QGQDTP
3028	P30530	409	TVCVAA Y TAAGDG
3029	P30530	452	FSWPWW Y VLLGAV
3030	P30530	481	RKKETR Y GEVFEP
3031	P30530	498	GELVVR y rvrksy
3032	P30530	504	YRVRKS Y SRRTTE
3033	P30530	634	LHSFLL Y SRLGDQ
3034	P30530	643	LGDQPV Y LPTQML
3035	P30530	662	IASGME Y LSTKRF
3036	P30530	698	GLSKKI y NGDYYR
3037	P30530	702	KIYNGD Y YRQGRI
3038	P30530	750	TRGQTPYPGVENS
3039	P30530	759	VENSEI Y DYLRQG
3040	P30530	761	NSEIYD Y LRQGNR
3041	P30530	830	$ exttt{MDEGGG} exttt{Y} exttt{PEPPGA}$
3042	P30566	13	HGSPDS Y RSPLAS
3043	P30566	34	FVFSDR y kfrtwr
3044	P30566	466	FLEEEV Y PLLKPY
3045	P30793	75	PNLAAAYSSILSS
3046	P30793	109	QFFTKG Y QETISD
3047	P30793	175	ARIVEI Y SRRLQV
3048	P30990	105	EAMLTI Y QLHKIC
3049	P30990	146	IKRKIP y ILKROL
3050	P30990	161	NKPRRP Y ILKRDS
3051	P31040	55	DSISAQYPVVDHE
3052	P31040	124	NWRWHF Y DTVKGS
3053	P31040	141	DQDAIH Y MTEQAP
3054	P31040	156	VVELEN Y GMPFSR
3055	P31040	169	TEDGKI Y QRAFGG
3056	P31040	205	SLLHTLYGRSLRY
3057	P31040	211	YGRSLR Y DTSYFV
3058	P31040	219	TSYFVE y fAldll
3059	P31040	259	VVATGG Y GRTYFS
3060	P31040	263	GGYGRT Y FSCTSA
	P31040		
3061		301	FHPTGI Y GAGCLI
3062	P31040	330	ERFMER Y APVAKD
3063	P31040	365	PEKDHV Y LQLHHL
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3064	P31040	408	VLPTVH Y NMGGIP
3065	P31040	417	GGIPTN Y KGQVLR
3066	P31040	436	QIVPGL Y ACGEAA
3067	P31040	543	GKISKL Y GDLKHL
3068	P31040	580	CALQTI Y GAEARK
3069	P31040	597	AHARED Y KVRIDE
3070	P31040	604	KVRIDE Y DYSKPI
3071	P31040	606	RIDEYD Y SKPIQG
3072	P31040	629	RKHTLS Y VDVGTG
3073	P31040	641	GKVTLE Y RPVIDK
3074	P31151	20	IDMFHKYTRRDDK
3075	P31151	54	DKKGTN Y LADVFE
3076	P31151	86	GDIATD Y HKQSHG
3077	P31269	91	$HHHHHP\mathbf{Y}VHPQAP$
3078	P31269	107	AAPDGR Y MRSWLE
3079	P31269	237	LTRDRR Y EVARLL
3080	P31327	89	AITDPA Y KGQILT
3081	P31327	389	GPIDTEYLFDSFF
3082	P31327	582	AADTIG Y PVMIRS
3083	P31645	107	NVWRFP Y ICYQNG
3084	P31645	110	RFPYIC Y QNGGGA
3085	P31645	121	GAFLLP Y TIMAIF
3086	P31645	134	GGIPLF Y MELALG
	P31645	163	IFKGIG Y AICIIA
3087			
3088	P31645	171	ICIIAF Y IASYYN
3089	P31645	175	AFYIAS Y YNTIMA
3090	P31645	176	FYIASY Y NTIMAW
3091	P31645	185	IMAWAL Y YLISSF
3092	P31645	212	TGNCTNYFSEDNI
3093	P31645	267	LIFTVI y FSIWKG
3094	P31645	289	VTATFP Y IILSVL
3095	P31645	312	WRGVLF Y LKPNWQ
3096		350	~
	P31645		LLAFAS Y NKFNNN
3097	P31645	358	KFNNNC Y QDALVT
3098	P31645	385	IFTVLG y maemrn
3099	P31645	410	SLLFIT Y AEAIAN
3100	P31645	495	VKLLEE Y ATGPAV
3101	P31645	516	VAVSWF Y GITQFC
3102	P31645	568	QLRLFQ y nypyws
3103	P31645	570	RLFQYN Y PYWSII
3104	P31645	579	WSIILG Y CIGTSS
3105	P31645	592	FICIPT Y IAYRLI
3106	P31645	595	IPTYIA Y RLIITP
3107	P31751	38	DGSFIG Y KERPEA
3108	P31751	316	FCGTPE Y LAPEVL
3109	P31751	456	ITPPDRYDSLGLL
3110	P31948	75	PDWGKGYSRKAAA
3111	P31948	236	ELGNDA Y KKKDFD
3112	P31948	431	PTFIKG Y TRKAAA
3113	P31949	24	IAVFQK Y AGKDGY
3114	P31949	30	YAGKDG Y NYTLSK
3115	P31949	32	GKDGYN Y TLSKTE
3116	P31995	99	THTQPSYRFKANN
3117	P31995	111	NNDSGEYTCQTGQ
3118	P31995	194	HSHSGD Y HCTGNI
3119	P31995	202	CTGNIGYTLYSSK
3120	P31995	205	NIGYTLYSSKPVT
3121	P31995	246	AVVALI Y CRKKRI

3122	P31995	287	EETNND Y ETADGG
3123	P32004	325	GSARHA Y YVTVEA
3124	P32004	648	NAPIEK Y DIEFED
3125	P32004	1151	RSKGGK Y SVKDKE
3126	P33121	44	ALTTFW Y ATRPKP
3127	P33121	230	IVVMDA Y GSELVE
3128	P33121	577	EKIENI Y MRSEPV
3129	P33241	125	RPGLHA Y EKEDSD
3130	P33241	234	DOWLEOYTOAIET
3131	P33241	328	ATGHGK Y EKVLVE
3132	P33316	136	SARAAG y DLYSAY
3133	P33316	144	LYSAYD Y TIPPME
3134	P33316	167	ALPSGC Y GRVAPR
3135	P33764	19	VCTFQE Y AGRCGD
3136	P33764	55	EFRECD y nkfmsv
3137	P33764	75	EVDFVE Y VRSLAC
3138	P33993	33	GKKQFK Y GNQLVR
3139	P33993	88	QELLPQ y kerevv
	P33993	580	PESLAD Y ITAAYV
3140			
3141	P34059	108	AHARNA Y TPQEIV
3142	P34059	170	NCHFGP Y DNKARP
	P34059	191	
3143			EMVGRY Y EEFPIN
3144	P34096	27	GLVQPS Y GQDGMY
3145	P34096	52	TGGSDRYCNLMMQ
3146	P34096	122	RAPNCRYRAIAST
3147	P34741	31	TSDKDM Y LDNSSI
3148	P34741	44	EEASGV Y PIDDDD
3149	P34741	131	EEDTNV Y TEKHSD
3150	P34896	77	$\mathtt{NKYSEG}\mathbf{Y}\mathtt{PGQRYY}$
3151	P34896	82	GYPGQR Y YGGTEF
3152	P34896	128	==
			PANFAV¥TALVEP
3153	P34947	90	LDSVAE y EVTPDE
3154	P34947	212	RATGKM Y ACKRLE
3155	P34947	291	
			EERALF Y AAEILC
3156	P34972	137	RYLCLR y ppsyka
3157	P34972	190	PLIPNDYLLSWLL
3158	P34972	209	SGIIYT y GHVLWK
3159	P34998	99	WAARVNYSECQEI
3160	P34998	241	MFGEGC Y LHTAIV
3161	P34998	338	TSETIQ Y RKAVKA
3162	P35221	237	HPDVAA Y KANRDL
3163	P35221	280	GGGELA Y ALNNFD
3164	P35221	568	NYEPGV Y TEKVLE
3165	P35222	30	HWQQQS Y LDSGIH
3166	P35222	254	VDSVLF Y AITTLH
3167	P35222	306	CLQILA Y GNQESK
3168	P35222	432	NLTCNNYKNKMMV
3169	P35222	489	NAVRLH Y GLPVVV
3170	P35222	604	LFVQLL Y SPIENI
			==
3171	P35222	670	EDKPQD y kkrlsv
3172	P35222	709	QGEPLG Y RQDDPS
3173	P35222	716	RQDDPS Y RSFHSG
3174	P35222	724	SFHSGG Y GQDALG
3175	P35222	748	HHPGAD Y PVDGLP
3176	P35236	125	HASKDR Y KTILPN
3177	P35236	215	PTEEET Y GPFQIR
3178	P35236	340	${ t IQTAEQ} { t Y} { t QFLHHT}$
3179	P35269	14	SONVTE Y VVRVPK
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3180	P35269	273	EGQEVD Y MSDGSS
3181	P35269	462	EDAVRR Y LTRKPM
3182	P35270	123	STOVNNYWALNLT
			~
3183	P35270	170	FKGWAL Y CAGKAA
3184	P35270	196	NVRVLN Y APGPLD
3185	P35318	10	VSVALM Y LGSLAF
3186	P35318	52	LRMSSS Y PTGLAD
3187	P35318	95	RIRVKR y RQSMNN
3188	P35367	50	LNLLVL y avrser
3189	P35367	108	FWLSMD Y VASTAS
3190	P35367	431	ILCWIP Y FIFFMV
3191	P35398	311	QEEIEN Y QNKQRE
3192	P35398	385	VYFDGK Y ASPDVF
3193	P35398	507	LHFPPL Y KELFTS
3194	P35408	94	GQPLCE Y STFILL
3195	P35408	118	
			AMSVER Y LAINHA
3196	P35408	127	INHAYF Y SHYVDK
3197	P35520	233	SNPLAH Y DTTADE
3198	P35520	381	PDSVRN y MTKFLS
3199	P35520	518	VHEQIQYHSTGKS
			~ ~
3200	P35555	66	GSRYNA Y CCPGWK
3201	P35555	2639	CPAGFQ Y EQFSGG
3202	P35555	2853	DKYDKD Y LSGELG
3203	P35558	235	ISFGSG Y GGNSLL
3204	P35558	493	GYNFGK Y LAHWLS
3205	P35558	557	KLTPIG Y IPKEDA
3206	P35568	18	DVRKVG Y LRKPKS
3207	P35568	46	GPARLE Y YENEKK
3208	P35568	47	_
			PARLEY Y ENEKKW
3209	P35568	87	KHLVAL y trdehf
3210	P35568	107	AEQDSW y QALLQL
3211	P35568	151	AGEDLS Y GDVPPG
3212	P35568	183	KNLIGI Y RLCLTS
3213	P35568	431	FISSDE Y GSSPCD
3214	P35568	483	TAPNGHYILSRGG
3215	P35568	551	VASIEE y temmpa
3216	P35568	558	TEMMPAYPPGGGS
	P35568	582	
3217			FVPTRSYPEEGLE
3218	P35568	695	VPSGTS Y GKLWTN
3219	P35568	732	LPCTGD y mnmspv
3220	P35568	750	SSPSDC Y YGPEDP
3221	P35568	751	SPSDCY Y GPEDPQ
3222	P35568	764	HKPVLS Y YSLPRS
3223	P35568	765	KPVLSY Y SLPRSF
3224	P35568	800	SSGRLL y aatadd
3225	P35568	820	DSLGGGYCGARLE
3226	P35568	908	GSDQSGYLSGPVA
3227	P35568	1001	SCPRQS Y VDTSPA
3228	P35568	1012	PAAPVS Y ADMRTG
3229	P35611	189	VPFGLL Y SEVTAS
3230	P35611	395	YRTGYP Y RYPALR
3231	P35611	419	PASVTGYSFASDG
3232	P35612	377	MLDNLG Y RTGYTY
3233	P35612	440	LNTPNT Y LRVNVA
3234	P35612	489	NQFVPLYTDPQEV
3235	P35637	25	TQPGQGYSQQSSQ
3236	P35637	122	SSQSSS Y GQPQSG
3237	P35637	479	RGGRGG Y DRGGYR

3238 P35659 351 QICKKVYENYPTY 3240 P35659 357 YENYPTYDLT 3241 P35900 121 RDYSAYRQIEEL 3242 P35900 159 EDFRLKYETERGI 3243 P35900 384 DVKTTEYQLSTLE 3244 P35916 25 DGLVSGYSMTPPT 3246 P35916 113 GSYVCYYKYIKAR 3246 P35916 115 YVCYYKYIKARIE 3247 P35916 115 YVCYYKYIKARIE 3248 P35916 129 TTAASSYVFVRDF 3249 P35916 230 ITGNELYDIQLLP 3249 P35916 308 OHDLGSYVCKANN 3250 P35916 361 PVKLAAYPPPEFQ 3251 P35916 369 PPEFQWKDGKAL 3251 P35916 369 PPEFQWKDGKAL 3252 P35916 369 PPEFQWKDGKAL 3253 P35916 387 EASTGTYTLALWN 3254 P35916 448 ALTCTAYGYPLFL 3256 P35916 532 ANVSAMYKCVVSN 3257 P35916 552 ANVSAMYKCVVSN 3258 P35916 558 GADSYKYEHLRY 3258 P35916 583 SCQADSYKYEHLRY 3259 P35916 581 PEHBCHYVCEVQD 3261 P35916 661 PEHBCHYVCEVQD 3261 P35916 661 PEHBCHYVCEVQD 3261 P35916 669 KCHKKYLSVQAL 3262 P35916 812 ADIKTGYLSIIMD 3264 P35916 812 ADIKTGYLSIIMD 3264 P35916 932 IVEFCKYGNISNF 3266 P35916 1017 MEDLUCYSFQVAR 3267 P35916 115 SLGASPYPGVAR 3268 P35968 101 SIFDKVYTTOSDV 3268 P35968 102 ADIKTGYLSIIMD 3268 P35968 105 VSLCARYPERKY 3270 P35968 107 DQHGVVYITENKN 3271 P35968 109 GFTIPSYMISYAG 3271 P35968 109 GFTIPSYMISYAG 3272 P35968 104 SYSLASPERKY 3273 P35968 105 VSLCARYPERKY 3274 P35968 221 IVVCYYRIPSYVG 3275 P35968 357 PAKYLGYPPP 3276 P35968 357 PAKYLGYPPP 3277 P35968 364 PSTS968 377 PAKYLGYPPP 3278 P35968 384 PEILWYKNGIPL 3279 P35968 365 PPEILWYKNGIPL 3270 P35968 367 PAKYLGYPPPEIK 3281 P35968 368 PPEILWYKNGIPL 3271 P35968 369 PPEILWYKNGIPL 3272 P35968 369 PPEILWYKNGIPL 3273 P35968 369 PPEILWYKNGIPL 3274 P35968 369 PPEILWYKNGIPL 3275 P35968 369 PPEILWYKNGIPL 3276 P35968 369 PPEILWYKNGIPL 3277 P35968 369 PPEILWYKNGIPL 3288 P35968 369 PPEILWYKNGIPL 3289 P35968 369 PPEILWYKNGIPL 3290 P35968 369 PPEILWYKNGIPL 3291 P35968 369 PPEILWYKNGIPL 3291 P35968 369 PPEILWYKNGIPL 3292 P35968 375 PAKYLGYPPPEIK 3293 P35968 375 PAKYLGYPPPEIK 3293 P35968 375 PAKYLGYPPPEIK 3294 P35968 375 PAKYLGYPPPEIWY 3294 P35968 375 PAKYLGYPPPEIWY 3295 P35968 375 PAKYLGYPPPEIWY 3299 P35968 375 PPEILWYKNGIPL 3299 P35968 375 PPEILWYKNGIPL 3299 P35968 1203 PRESPOYNN				
3239	3238	P35659	3.5.1	$OICKKV_{Y}ENYPTY$
3241 P35959 3377 YENYPTYDLTERK 3241 P35900 121 RDYSAYKRQIEEL 3242 P35900 159 EDFRLKYETERGI 3243 P35900 384 DVKTTEYQLSTLE 3244 P35916 25 DGLVSGYSMTPPT 3245 P35916 113 GSYVCYYKYIKAR 3246 P35916 115 YVCYYKYIKARIE 3247 P35916 115 YVCYYKYIKARIE 3248 P35916 29 ITGNELYDIQLLP 3248 P35916 28 VTFDMDYPGKQAE 3249 P35916 308 QHDLGSYVCKANN 3251 P35916 361 PVKLAAYPPPEFG 3252 P35916 369 PPEFGWYKDGKAL 3251 P35916 369 PPEFGWYKDGKAL 3252 P35916 369 PPEFGWYKDGKAL 3253 P35916 435 ASSPSIYSRHSRQ 3254 P35916 435 ASSPSIYSRHSRQ 3255 P35916 448 ALTCTAYGYPLPL 3256 P35916 548 QDERLIYFYVTTI 3258 P35916 552 ANVSKAMYKCVENN 3257 P35916 583 SCQADSYKYEHLRY 3259 P35916 661 PEHEGHYVCEVQD 3261 P35916 661 PEHEGHYVCEVQD 3261 P35916 661 PEHEGHYVCEVQD 3262 P35916 669 HCHKKYLSVQAL 3263 P35916 669 HCHKKYLSVQAL 3264 P35916 932 IVEFCKYGNLSNF 3266 P35916 1017 MEDLUCYSFQVAR 3267 P35916 1017 MEDLUCYSFQVAR 3268 P35968 101 GNDTGAYSTIND 3268 P35968 101 GNDTGAYSTIND 3268 P35968 101 GNDTGAYSTIND 3269 P35968 101 GNDTGAYSTIND 3269 P35968 101 GNDTGAYSTYPE 3270 P35968 104 SYQSIMYIVVVG 3271 P35968 109 GFITISYMISYAG 3271 P35968 109 GFITISYMISYAG 3271 P35968 104 SYQSIMYIVVVG 3271 P35968 105 PASYMISYAGMYFC 3271 P35968 107 PASYMISYAGMYFC 3271 P35968 108 PSPERMY PSP				
3241				
3243 P35900 159 EDFRIKYETERGI 3244 P35916 25 DGLVSGYSMTPPT 3245 P35916 113 GSYVCYYKYIKAR 3246 P35916 115 YCYCYYKYIKAR 3247 P35916 129 TTAASSYVEVRDF 3248 P35916 230 ITGNELYDIQLLP 3249 P35916 230 ITGNELYDIQLLP 3249 P35916 308 QHDLGSYVCKANN 3250 P35916 361 PVKLAAYPPPEFC 3251 P35916 369 PPEFQWYKDGKAL 3251 P35916 369 PPEFQWYKDGKAL 3253 P35916 397 EASTGYTLALWN 3254 P35916 435 ASSPSIYSRHSRQ 3255 P35916 448 ALTCTAYGVPLEL 3256 P35916 532 ANSWAMYKCVVSN 3257 P35916 548 QDERLIYFYVTTI 3258 P35916 553 SCQADSYKYEHLRRY 3259 P35916 558 QADSYKYEHLRRY 3259 P35916 651 PEHEGHYVCEVQD 3261 P35916 651 PEHEGHYVCEVQD 3261 P35916 669 KCHKKYLSVQAL 3262 P35916 746 EEDAGRYLCSVCN 3263 P35916 812 ADIKTGYLSIIMD 3264 P35916 932 IVEFCKYGNLSNF 3266 P35916 1017 MEDLVCYSFQVAR 3267 P35916 1115 SLGASPYPOVQIN 3268 P35968 101 GNDTGAYKFFRE 3268 P35968 101 GNDTGAYKFFRE 3269 P35968 101 GNDTGAYKFFRE 3270 P35968 105 GFTEPSYMTSYAG 3271 P35968 1001 GNDTGAYKFFRE 3271 P35968 101 GNDTGAYKFFRE 3271 P35968 104 SYQSIMYIVVVVG 3271 P35968 105 GFTEPSYMTSYAG 3272 P35968 104 SYQSIMYIVVVVG 3271 P35968 105 VSLCARYPEKRFV 3271 P35968 214 SYQSIMYIVVVVG 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 357 PAKYLGYPPEIK 3281 P35968 357 PAKYLGYPPEIK 3282 P35968 359 PEPEKWYNGIPL 3277 P35968 365 PPEIKWYNGIPL 3278 P35968 365 PPEIKWYNGIPL 3279 P35968 365 PPEIKWYNGIPL 3279 P35968 369 PPERWYNGIPL 3281 P35968 448 TLTCTVAJPPPH 3282 P35968 480 VSVTMPYPCEEBR 3283 P35968 480 VSVTMPYPCEEBR 3284 P35968 480 VSVTMPYPCEEBR 3285 P35968 584 FENLTWYLIFN 3286 P35968 640 LQDQGDYVLAQD 3287 P35968 108 LEHLLCYSFQVAK 3288 P35968 108 LEHLCYSFQVAK 3289 P35968 1130 RMRAPDYTTPEMY 3289 P35968 1130 RMRAPDYTTPEMY 3291 P35968 1130 RMRAPDYTTPEMY 3292 P36507 324 PYUGFYGAFYSD 3294 P36507 324 FYUGFYGAFYSD	3240	P35659	357	YENYPT y DLTERK
3243 P35900 159 EDFRIKYETERGI 3244 P35916 25 DGLVSGYSMTPPT 3245 P35916 113 GSYVCYYKYIKAR 3246 P35916 115 YCYCYYKYIKAR 3247 P35916 129 TTAASSYVEVRDF 3248 P35916 230 ITGNELYDIQLLP 3249 P35916 230 ITGNELYDIQLLP 3249 P35916 308 QHDLGSYVCKANN 3250 P35916 361 PVKLAAYPPPEFC 3251 P35916 369 PPEFQWYKDGKAL 3251 P35916 369 PPEFQWYKDGKAL 3253 P35916 397 EASTGYTLALWN 3254 P35916 435 ASSPSIYSRHSRQ 3255 P35916 448 ALTCTAYGVPLEL 3256 P35916 532 ANSWAMYKCVVSN 3257 P35916 548 QDERLIYFYVTTI 3258 P35916 553 SCQADSYKYEHLRRY 3259 P35916 558 QADSYKYEHLRRY 3259 P35916 651 PEHEGHYVCEVQD 3261 P35916 651 PEHEGHYVCEVQD 3261 P35916 669 KCHKKYLSVQAL 3262 P35916 746 EEDAGRYLCSVCN 3263 P35916 812 ADIKTGYLSIIMD 3264 P35916 932 IVEFCKYGNLSNF 3266 P35916 1017 MEDLVCYSFQVAR 3267 P35916 1115 SLGASPYPOVQIN 3268 P35968 101 GNDTGAYKFFRE 3268 P35968 101 GNDTGAYKFFRE 3269 P35968 101 GNDTGAYKFFRE 3270 P35968 105 GFTEPSYMTSYAG 3271 P35968 1001 GNDTGAYKFFRE 3271 P35968 101 GNDTGAYKFFRE 3271 P35968 104 SYQSIMYIVVVVG 3271 P35968 105 GFTEPSYMTSYAG 3272 P35968 104 SYQSIMYIVVVVG 3271 P35968 105 VSLCARYPEKRFV 3271 P35968 214 SYQSIMYIVVVVG 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 224 VVGYRIYDVVLSP 3271 P35968 357 PAKYLGYPPEIK 3281 P35968 357 PAKYLGYPPEIK 3282 P35968 359 PEPEKWYNGIPL 3277 P35968 365 PPEIKWYNGIPL 3278 P35968 365 PPEIKWYNGIPL 3279 P35968 365 PPEIKWYNGIPL 3279 P35968 369 PPERWYNGIPL 3281 P35968 448 TLTCTVAJPPPH 3282 P35968 480 VSVTMPYPCEEBR 3283 P35968 480 VSVTMPYPCEEBR 3284 P35968 480 VSVTMPYPCEEBR 3285 P35968 584 FENLTWYLIFN 3286 P35968 640 LQDQGDYVLAQD 3287 P35968 108 LEHLLCYSFQVAK 3288 P35968 108 LEHLCYSFQVAK 3289 P35968 1130 RMRAPDYTTPEMY 3289 P35968 1130 RMRAPDYTTPEMY 3291 P35968 1130 RMRAPDYTTPEMY 3292 P36507 324 PYUGFYGAFYSD 3294 P36507 324 FYUGFYGAFYSD	3241	P35900	121	RDYSAY y roteel
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3332 P36896 251 FREAEIYQTVMLR 3333 P36896 284 LWLVSDYHEHGSL 3334 P36896 293 HGSLFDYLNRYTV 3335 P36896 297 FDYLNRYTVTIEG 3336 P36896 404 FKCADIYALGLVY 3337 P36896 410 YALGLVYWEIARR 3338 P36896 426 GGVHEEYQLPYYD 3339 P36896 430 EEYQLPYYDLVPS 3340 P36896 431 EYQLPYYDLVPSD 3341 P36896 463 PNWWQSYEALRVM 3342 P36896 478 MMRECWYANGAAR 3343 P36955 63 AVSNFGYDLYRVR 3344 P36955 232 TSLEDFYLDEERT 3345 P36955 321 PKLKLSYEGEVTK 3346 P37802 8 ANRGPAYGLSREV 3347 P37802 22 QKIEKQYDADLEQ 3348 P37802 70 ELINALYPEGQAP 3349 P37840 39 TKEGVLYVGSKTK 3350 P38117 16 <td< td=""><td>3331</td><td>P36896</td><td>184</td><td>TLODLVYDLSTSG</td></td<>	3331	P36896	184	TLODLVYDLSTSG
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3352 P38159 206 PSRRDV Y LSPRDD	3350		16	VKRVID y AVKIRV
3352 P38159 206 PSRRDV Y LSPRDD	3351	P38117	192	RLNEPR Y ATLPNI
SSSS FSWISS ZOO RDSYES Y GNSRSA				
	3353	F38T2A	288	KDSYES Y GNSKSA

3354	P38159	327	GGSRDS Y SSSRSD
3355	P38398	655	EIKKKK y nQMPVR
3356	P38398	831	DTEGFK Y PLGHEV
3357	P38398	1113	EIKKQE y EEVVQT
3358	P38432	128	TEPDCK Y SKKHWK
3359	P38432	193	KKEKCE Y KKKAKN
3360	P38432	461	ETPKKD Y SLLPLL
3361	P38646	118	NPNNTF Y ATKRLI
3362	P38646	196	VITVPA Y FNDSQR
3363	P38646	652	KLFEMA Y KKMASE
3364	P38919	155	DIRKLD Y GQHVVA
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3365	P38919	205	EQIYDV y rylppa
3366	P38919	396	RDIEQY Y STQIDE
3367	P38935	92	GDIVGL Y DAANEG
3368	P38935	134	LDRENS Y RLLKLA
3369	P38935	651	DIVPENYSHENSQ
3370	P38936	77	LGLPKL Y LPTGPR
3371	P38936	151	TSMTDF Y HSKRRL
3372	P39748	69	HLMGMF Y RTIRMM
3373	P39748	173	VKAGKV Y AAATED
3374	P39748	268	RLDPNK Y PVPENW
3375	P40189	380	KSHLQN Y TVNATK
3376	P40189	683	NSKDOM Y SDGNFT
			~
3377	P40189	905	EGMPKS Y LPQTVR
3378	P40429	112	DGIPPP Y DKKKRM
3379	P40429	149	HEVGWK Y QAVTAT
3380	P40429	192	EKKIDK y TEVLKT
3381	P40763	14	QQLDTR Y LEQLHQ
3382	P40763	22	EQLHQL Y SDSFPM
3383	P40763	45	ESQDWA Y AASKES
			==
3384	P40763	68	GEIDQQ Y SRFLQE
3385	P40763	79	QESNVL Y QHNLRR
3386	P40763	94	QFLQSR y lekpme
3387	P40763	176	DDFDFN Y KTLKSO
			~
3388	P40763	230	LLSAME Y VQKTLT
3389	P40763	293	LQQKVS y KGDPIV
3390	P40763	360	KFPELN Y QLKIKV
3391	P40763	446	TFETEV Y HQGLKI
3392	P40763	480	WASILWYNMLTNN
3393	P40763	539	LGPGVN Y SGCQIT
3394	P40763	575	IDLVKK Y ILALWN
3395	P40763	584	ALWNEGYIMGFIS
3396	P40763	640	IQSVEP y TKQQLN
3397	P40763	657	AEIIMG Y KIMDAT
3398	P40763	672	LVSPLV Y LYPDIP
3399	P40763	674	SPLVYL Y PDIPKE
3400	P40763	686	EEAFGK Y CRPESQ
	P40925		==
3401		192	$ ext{NHSSTQ}\mathbf{Y}$ PDVNHA
3402	P40925	210	GKEVGV y ealkdd
3403	P40925	278	ISDGNS Y GVPDDL
3404	P40926	56	VSRLTL y DIAHTP
3405	P40926	80	KAAVKG Y LGPEQL
3406	P40926	161	FKKHGV Y NPNKIF
3407	P41091	89	YANAKI Y KLDDPS
3408	P41091	238	IEVVCE y IVKKIP
3409	P41091	375	TELEIS Y FLLRRL
3410	P41181	89	VLRAAF y vaaqll
3411	P41181	178	HLLGIH Y TGCSMN

3412 P41181 219 ILGSLLYMYVLFP 3413 P41182 557 CQASFEYKGNLAS 3414 P41182 557 CQASFEYKGNLAS 3416 P41212 60 HAGGEKPYKCETCG 3416 P41212 114 HAGGDVIYELLQHI 3418 P41212 114 HAGGDVIYELLQHI 3418 P41212 114 HAGGDVIYELLQHI 3419 P41227 31 NYQMKYYFYHGLS 3420 P41227 43 SWPOLSYLAEDEN 3421 P41227 43 SWPOLSYLAEDEN 3422 P41235 15 DMDMADYSAALDP 3423 P41235 23 AALDPAYTTLEFE 3424 P41235 94 VKRNHMYSCRFSR 3425 P41240 18 TECLAKYNFHGTA 3426 P41240 48 TKDPNNYKAKNKV 3427 P41240 64 GIIPANYVOKREG 3428 P41240 97 QAERLLYPPETCL 3430 P41240 112 VKESTNYFGDYTL 3431 P41240 112 VKESTNYFGDYTL 3431 P41240 129 DCKVEHYRIMYHA 3431 P41240 129 DCKVEHYRIMYHA 3431 P41240 145 SIDEEVYFENLMQ 3433 P41240 145 SIDEEVYFENLMQ 3434 P41240 263 EHYRIMYHASKLS 3435 P41240 214 DVMLGDYRCNKVA 3436 P41240 268 LYIVTEYMKGSL 3437 P41240 380 ILLWEIYSDADG 3438 P41240 277 KGSLVDYLRSRGR 3439 P41240 380 ILLWEIYSDADG 3430 P41240 380 ILLWEIYSDADG 3431 P41240 403 PRVEKGYKNDADD 3432 P41240 145 SIDEEVYFENLMQ 3433 P41240 277 KGSLVDYLRSRGR 3434 P41240 268 LYIVTEYMKGSL 3438 P41240 277 KGSLVDYLRSRGR 3439 P41240 380 ILLWEIYSPGRVP 3440 P41240 387 SFGRVPYPRIPLK 3441 P41279 121 TPONGRYQIDSDV 3442 P41279 121 TPONGRYQIDSDV 3445 P41597 28 TFFDVDYGAPC 3446 P41597 28 TFFDVDYGAPC 3447 P41597 49 QLLPPLYSLVFIF 3448 P41597 49 CLLPPLYSLVFIF 3449 P41597 120 KLFTGLYHGYFGGIFF 3450 P41597 120 KLFTGLYHGYFGG 3450 P41743 310 QVVVGFY				
3413	3412	P41181	219	TLGSLL Y NYVLFP
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3452 P41597 193 VYVCGPYFPRGWN 3453 P41597 222 LIMVICYSGILKT 3454 P41597 252 FTIMIVYFLFWTP 3455 P41597 259 FLFWTPYNIVILL 3456 P41597 305 CINPIIYAFVGEK 3457 P41743 31 QVRVKAYYRGDIM 3458 P41743 32 VRVKAYYRGDIMI 3459 P41743 93 EEAFRLYELNKDS 3460 P41743 125 GEDKSIYRRGARR 3461 P41743 136 RRWRKLYCANGHT 3462 P41743 169 GLGRQGYKCINCK 3463 P41743 219 AQTVIPYNPSSHE 3464 P41743 358 EEHARFYSAEISL 3465 P41743 368 ISLALNYLHERGI 3466 P41743 376 HERGIIYRDLKLD 3467 P41743 397 HIKLTDYGMCKEG 3468 P41743 419 FCGTPNYIAPEIL				
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3455 P41597 259 FLFWTPYNIVILL 3456 P41597 305 CINPIIYAFVGEK 3457 P41743 31 QVRVKAYYRGDIM 3458 P41743 32 VRVKAYYRGDIMI 3459 P41743 93 EEAFRLYELNKDS 3460 P41743 125 GEDKSIYRRGARR 3461 P41743 136 RRWRKLYCANGHT 3462 P41743 169 GLGRQGYKCINCK 3463 P41743 219 AQTVIPYNPSSHE 3464 P41743 358 EEHARFYSAEISL 3465 P41743 368 ISLALNYLHERGI 3466 P41743 397 HIKLTDYGMCKEG 3468 P41743 419 FCGTPNYIAPEIL				
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3458 P41743 32 VRVKAYYRGDIMI 3459 P41743 93 EEAFRLYELNKDS 3460 P41743 125 GEDKSIYRRGARR 3461 P41743 136 RRWRKLYCANGHT 3462 P41743 169 GLGRQGYKCINCK 3463 P41743 219 AQTVIPYNPSSHE 3464 P41743 358 EEHARFYSAEISL 3465 P41743 368 ISLALNYLHERGI 3466 P41743 376 HERGIIYRDLKLD 3467 P41743 397 HIKLTDYGMCKEG 3468 P41743 419 FCGTPNYIAPEIL	3457	P41743	31	OVRVKA y yrgdtm
3459 P41743 93 EEAFRLYELNKDS 3460 P41743 125 GEDKSIYRRGARR 3461 P41743 136 RRWRKLYCANGHT 3462 P41743 169 GLGRQGYKCINCK 3463 P41743 219 AQTVIPYNPSSHE 3464 P41743 358 EEHARFYSAEISL 3465 P41743 368 ISLALNYLHERGI 3466 P41743 376 HERGIIYRDLKLD 3467 P41743 397 HIKLTDYGMCKEG 3468 P41743 419 FCGTPNYIAPEIL				
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3462 P41743 169 GLGRQGYKCINCK 3463 P41743 219 AQTVIPYNPSSHE 3464 P41743 358 EEHARFYSAEISL 3465 P41743 368 ISLALNYLHERGI 3466 P41743 376 HERGIIYRDLKLD 3467 P41743 397 HIKLTDYGMCKEG 3468 P41743 419 FCGTPNYIAPEIL				
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3465 P41743 368 ISLALN Y LHERGI 3466 P41743 376 HERGII Y RDLKLD 3467 P41743 397 HIKLTD Y GMCKEG 3468 P41743 419 FCGTPN Y IAPEIL	3464	P41743	358	EEHARF Y SAETST
3466 P41743 376 HERGII\mathbf{Y}\text{RDLKLD} 3467 P41743 397 HIKLTD\mathbf{Y}\text{GMCKEG} 3468 P41743 419 FCGTPN\mathbf{Y}\text{IAPEIL}				
3467 P41743 397 HIKLTD Y GMCKEG 3468 P41743 419 FCGTPN Y IAPEIL				
3468 P41743 419 FCGTPN Y IAPEIL				
3468 P41743 419 FCGTPN Y IAPEIL	3467	P41743	397	HIKLTD Y GMCKEG
		P41743		FCGTPNYTAPETI.
OHON LHILAN HOU THROUNTGEOVUM				
	3403	C41/40	400	T T I V G T D V D W

3470	P41743	469	DQNTED Y LFQVIL
3471	P41743	584	EFEGFE Y INPLLM
3472	P42229	22	RQMQVL Y GQHFPI
3473	P42229	33	PIEVRH Y LAQWIE
3474	P42229	90	KIKLGH Y ATQLOK
			~ ~
3475	P42229	98	TQLQKT Y DRCPLE
3476	P42229	114	CIRHIL Y NEQRLV
3477	P42229	171	LQQTQE Y FIIQYQ
3478	P42229	176	EYFIIQ Y QESLRI
			~ ~
3479	P42229	225	AQTLQQ Y RVELAE
3480	P42229	405	$NCCVME\mathbf{Y}HQATGT$
3481	P42229	548	SSHLED Y SGLSVS
	P42229	568	
3482			NLPGWN Y TFWQWF
3483	P42229	665	RLGDLS Y LIYVFP
3484	P42229	668	DLSYLI y VFPDRP
3485	P42229	682	DEVFSK y YTPVLA
3486	P42229	683	EVFSKY y TPVLAK
3487	P42229	720	GGSSAT Y MDQAPS
3488	P42229	735	VCPQAP Y NMYPQN
3489		738	
	P42229		QAPYNM Y PQNPDH
3490	P42285	173	KTVCAE Y AIALAL
3491	P42285	567	SAFHLT Y NMVLNL
3492	P42285	745	ISSVRL y IPKDLR
3493	P42338	503	ENKKQP Y YYPPFD
3494	P42338	638	DEELSQ y llQlvQ
3495	P42338	913	GYCVAS Y VLGIGD
3496	P42345	1220	
			CRIVKG¥TLADEE
3497	P42345	1804	FEAVLH Y KHQNQA
3498	P42345	2225	NLSIQR Y AVIPLS
3499	P42574	83	TFRNLK Y EVRNKN
3500	P42574	204	STAPGY Y SWRNSK
3501	P42574	226	CAMLKQ Y ADKLEF
3502	P42680	26	KTSPLN Y KERLFV
3503	P42680	40	TKSMLT Y YEGRAE
3504	P42680	41	KSMLTY Y EGRAEK
3505	P42680	49	GRAEKK Y RKGFID
3506	P42680	120	NNIMIK Y HPKFWT
3507	P42680	130	FWTDGS Y QCCRQT
3508	P42680	188	EIVVAM y dfqaae
3509	P42680	223	WRARDK Y GNEGYI
3510	P42680	233	GYIPSN Y VTGKKS
3511	P42680	245	SNNLDQ Y EWYCRN
3512	P42680	248	LDQYEW Y CRNMNR
3513	P42680	281	SSQPGL Y TVSLYT
3514	P42680	286	LYTVSL Y TKFGGE
3515	P42680	300	SSGFRH Y HIKETT
3516	P42680	312	TTSPKK Y YLAEKH
3517	P42680	329	IPEIIE Y HKHNAA
3518	P42680	360	TTAGFSYEKWEIN
3519	P42680	429	PKLVQL Y GVCTQQ
3520	P42680	439	TQQKPI Y IVTEFM
3521	P42680	479	VCEGMEYLERNSF
3522	P42680	513	DFGMAR Y VLDDQY
3523	P42680	539	PPEVFN Y SRFSSK
3524	P42680	569	RMPFEK Y TNYEVV
3525	P42680	572	FEKYTN Y EVVTMV
3526	P42684	80	EALHRP Y GCDVEP
3527	P42684	139	KLRVLG y nQnGEW
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3528	P42684	213	LSISLR Y EGRVYH
3529	P42684	220	EGRVYH Y RINTTA
3530	P42684	358	$ exttt{TLEPPF}\mathbf{Y} exttt{IVTEYM}$
3531	P42684	363	FYIVTE Y MPYGNL
3532	P42684	366	VTEYMP Y GNLLDY
3533	P42684	372	YGNLLD Y LRECNR
	P42684	388	
3534			TAVVLL Y MATQIS
3535	P42684	399	ISSAME Y LEKKNF
3536	P42684	459	APESLA Y NTFSIK
3537	P42684	481	LWEIAT Y GMSPYP
3538	P42684	486	TYGMSP Y PGIDLS
3539	P42684	495	IDLSQV Y DLLEKG
			~
3540	P42684	502	DLLEKG y rmeqpe
3541	P42684	1119	GHQLLD Y CSGYVD
3542	P42684	1123	LDYCSG Y VDCIPQ
			==
3543	P42768	54	TAVVQL Y LALPPG
3544	P42768	83	DNPQKS Y FIRLYG
3545	P42768	88	SYFIRL Y GLQAGR
			~
3546	P42768	102	LWEQEL Y SQLVYS
3547	P42768	107	LYSQLV Y STPTPF
3548	P42768	212	DITSSR¥RGLPAP
3549	P42771	44	PNAPNS Y GRRPIQ
3550	P42771	129	HRDVAR Y LRAAAG
3551	P42858	987	TRIYRG Y NLLPSI
3552	P42858	2741	DEILAQ Y LVPATC
3553	P42858	3126	AAPGSP Y HRLLTC
3554	P43220	101	VPQGHV Y RFCTAE
			==
3555	P43220	145	EQLLFL Y IIYTVG
3556	P43220	291	GIVKYL y EDEGCW
3557	P43243	213	RSQESG Y YDRMDY
			==
3558	P43243	289	GLLPKGYPHLCSI
3559	P43243	520	LKLAEP Y GKIKNY
3560	P43268	9	RRMKAG Y LDQQVP
			~~
3561	P43268	335	FREGPP Y QRRGAL
3562	P43268	402	SRSLRY Y YEKGIM
3563	P43351	31	CFGQCQ Y TAEEYQ
			~ ~ ~
3564	P43351	36	QYTAEE Y QAIQKA
3565	P43351	51	QRLGPE Y ISSRMA
3566	P43351	65	~ GGQKVC Y IEGHRV
3567	P43351	81	ANEMFG Y NGWAHS
3568	P43351	120	QLKDGS y hedvgy
3569	P43351	126	YHEDVG Y GVSEGL
3570	P43351	171	CILDKD Y LRSLNK
3571	P43351	205	SVEEARYNSCRPN
3572	P43351	391	SWDLQT Y SADQRT
3573	P43403	12	AHLPFF Y GSISRA
3574	P43403	46	LRSLGG Y VLSLVH
3575	P43403	69	RQLNGT Y AIAGGK
			~
3576	P43403	87	AELCEF Y SRDPDG
3577	P43403	164	HERMPWYHSSLTR
3578	P43403	178	EAERKL Y SGAQTD
3579	P43403	198	RKEQGT Y ALSLIY
			==
3580	P43403	204	YALSLI Y GKTVYH
3581	P43403	209	IYGKTV Y HYLISQ
3582	P43403	211	GKTVYH Y LISQDK
3583	P43403	221	QDKAGK Y CIPEGT
3584	P43403	238	LWQLVE y lklkad
3585	P43403	357	SVRQGV Y RMRKKQ
	1 10 100	557	

3586	P43403	397	HQLDNP Y IVRLIG
3587	P43403	451	VSMGMK Y LEEKNF
3588	P43403	474	LLVNRH y akisdf
3589	P43403	506	KWPLKW Y APECIN
3590	P43403	525	RSDVWS Y GVTMWE
3591	P43403	535	MWEALS \mathbf{Y} GQKPYK
3592	P43403	540	SYGQKP Y KKMKGP
			==
3593	P43403	569	ECPPEL Y ALMSDC
3594	P43403	578	MSDCWI Y KWEDRP
3595	P43403	597	QRMRAC y yslask
3596	P43403	598	RMRACY Y SLASKV
3597	P43405	39	GMSDGL Y LLRQSR
3598	P43405	64	GRKAHH Y TIEREL
3599	P43405	74	RELNGT Y AIAGGR
3600	P43405	91	PADLCH Y HSQESD
3601	P43405	203	RDNNGS Y ALCLLH
3602	P43405	216	EGKVLH Y RIDKDK
3603	P43405	244	WQLVEH Y SYKADG
	P43405	246	==
3604			LVEHYS Y KADGLL
3605	P43405	389	GTVKKG Y YQMKKV
3606	P43405	390	TVKKGY Y QMKKVV
3607	P43405	431	~
			QQLDNP Y IVRMIG
3608	P43405	459	LGPLNK y LQQNRH
3609	P43405	539	KWPVKW Y APECIN
	P43405	547	
3610			PECINY Y KFSSKS
3611	P43405	568	MWEAFS Y GQKPYR
3612	P43405	573	SYGQKP Y RGMKGS
	P43405	602	==
3613			GCPREM Y DLMNLC
3614	P43405	611	MNLCWTYDVENRP
3615	P43686	112	TTGSNY Y VRILST
	P43686	239	
3616			SEFVQK Y LGEGPR
3617	P43686	403	KDFEKA Y KTVIKK
3618	P45985	298	SLGITL Y ELATGR
3619	P45985	307	ATGRFP Y PKWNSV
3620	P45985	380	AVEVAC Y VCKILD
3621	P46060	536	KAIANL Y GPLMAL
3622	P46060	550	
			$HMVQQD\mathbf{Y}FPKALA$
3623	P46108	14	EERSSW Y WGRLSR
3624	P46108	47	STSPGD Y VLSVSE
3625	P46108	60	NSRVSH Y IINSSG
3626	P46108	104	PALLEF Y KIHYLD
3627	P46108	108	EFYKIH Y LDTTTL
3628	P46108	136	RQEEAE Y VRALFD
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3629	P46108	186	GMI PVP y VEKYRP
3630	P46108	190	VPYVEK Y RPASAS
3631	P46108	251	KRVPNA Y DKTALA
3632	P46531	550	LDGPNTYTCVCTE
3633	P46531	850	CRQSED Y ESFSCV
3634	P46531	1017	PGFTGS Y CQHDVN
3635	P46695	67	RSRRVL Y PRVVRR
3636	P46695	141	TSEPSD Y ALDLST
3637	P46734	127	FYTVTF Y GALFRE
3638	P46734	214	DFGISG Y LVDSVA
3639	P46734	316	PAERMSYLELMEH
3640	P46736	142	VRTQAM Y QMMDQG
3641	P46736	209	QKEEER Y ERIEIP
3642	P46736	247	QEEQDA y rrihsl
3643	P46776	48	RINFDK Y HPGYFG

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

3702 P48551 306 DMYEVIYINKKK 3703 P48551 318 KWWDYNYDDES 3704 P48551 411 PFEEDYSSTEGS 3706 P48552 279 EAHLQQYSREHAL 3707 P48552 891 SAPEVLYGSLINQ 3708 P48552 891 SAPEVLYGSLINQ 3709 P48643 12 TLAFDEYGRPFLI 3710 P48643 420 RONNYVYGGGAAE 3711 P48643 420 RONNYVYGGAAE 3711 P48643 420 RONNYVYGGAAE 3711 P48735 238 ARSCTQYATQKKW 3712 P48735 238 DENKIWYERLID 3715 P48736 311 WWACKNYDGBVQS 3716 P48736 311 WWACKNYDGBVQS 3716 P48736 110 GOWYELYDKYQVV 3717 P48736 972 GHILGNYKSFLGI 3718 P49023 33 EETPYSYPTGNHT 3720 P49023 40 PTGNHTYQBIAVP 3721 P49023 409 PYCEKDYHNLFSP 49023 409 PYCEKDYHNLFSP 3722 P49023 418 LFSPRCYYCNGPIL 3723 P49023 463 EKDGKAYCKOYF 3724 P49023 467 RAILENYISALNT 3725 P49023 468 AYCRKDYFDMFAP 3726 P49023 467 RAILENYISALNT 3727 P49023 527 PYCEVHYHERGS 3726 P49023 527 PYCEVHYHERGS 3726 P49023 527 PYCEVHYHERGS 3727 P49023 527 PYCEVHYHERGS 3728 P49023 527 PYCEVHYHERGS 3729 P49023 521 EHGGPYCEVHH 3721 P49023 521 PYCEVHYHERGS 3722 P49023 527 PYCEVHYHERGS 3730 P49137 176 IGEALQYLHSINI 3731 P49137 228 TPCYTYYVAPEV 3732 P49189 119 SWQCLEYYAGLAA 3733 P49189 119 SWQCLEYYAGLAA 3731 P49137 176 IGEALQYLHSINI 3732 P49137 176 IGEALQYLHSINI 3733 P49189 119 SWQCLEYYAGLAA 3731 P49137 176 IGEALQYLHSINI 3733 P49137 228 TPCYTYYVAPEV 3734 P49137 176 IGEALQYLHSINI 3735 P49137 176 IGEALQYLHSINI 3731 P49137 276 EHGGPYCEVLY 3737 P49327 1047 SAKHGLYLPTRVT 3738 P49137 176 IGEALQYLHSINI 3731 P49137 176 IGEALQYLHSINI 3731 P49137 176 IGEALQYLHSINI 3731 P49137 176 IGEALQYLHSINI 3731 P49137 176 IGEALQYLHSINI 3734 P49189 119 SWQCLEYYAGLAA 3737 P49327 1047 SAKHGLYLPTRVT 3736 P49327 1047 SAKHGLYLPTRVT 3737 P49327 1047 SAKHGLYLPTRVT 3738 P49489 179 RVTIEYYSQLKTV 3739 P49588 137 GWRWAYAQA 3741 P49459 137 GWRWAYAQA 3741 P49588 134 IPIERLYVTYFGG 3759 P49588 295 DGIDMAYRVLADH 3750 P49588 295 DGIDMAYRV				
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3747 P49459 82 MFHPNVYADGSIC 3748 P49459 137 QENKREYEKRVSA 3749 P49588 134 IPIERLYVTYFGG 3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG	3745	P49450	110	HLFEDA Y LLTLHA
3747 P49459 82 MFHPNVYADGSIC 3748 P49459 137 QENKREYEKRVSA 3749 P49588 134 IPIERLYVTYFGG 3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG	3746	P49459	63	IEFTEE Y PNKPPT
3748 P49459 137 QENKREYEKRVSA 3749 P49588 134 IPIERLYVTYFGG 3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3749 P49588 134 IPIERLYVTYFGG 3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3750 P49588 295 DGIDMAYRVLADH 3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG	3749	P49588	134	IPIERL Y VTYFGG
3751 P49588 667 EAAKAVYTQDCPL 3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG	3750	P49588	295	DGIDMA y rvladh
3752 P49675 14 LCAGSSYRHMRNM 3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3753 P49675 68 RLEETLYSDQELA 3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3754 P49675 134 QPMERLYEELVER 3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG	3753	P49675	68	RLEETL Y SDQELA
3755 P49682 160 VHATQLYRRGPPA 3756 P49682 205 NATHCQYNFPQVG 3757 P49682 235 LVMAYCYAHILAV 3758 P49715 108 GGGDFDYPGAPAG				
3756 P49682 205 NATHCQ Y NFPQVG 3757 P49682 235 LVMAYC Y AHILAV 3758 P49715 108 GGGDFD Y PGAPAG				
3757 P49682 235 LVMAYC Y AHILAV 3758 P49715 108 GGGDFD Y PGAPAG				
3758 P49715 108 GGGDFD Y PGAPAG				NA'I'HCQ Y NFPQVG
3758 P49715 108 GGGDFD Y PGAPAG	3757	P49682	235	LVMAYC Y AHILAV
JIJJ PAJIIJ 141 GKLEPLIEKVGAP				
	3139	F43/13	14/	GUTULTTUK A CAL

3760	P49715	181	LAGLFP Y QPPPPP
3761	P49720	85	GRQIKP y TLMSMV
3762	P49720	96	MVANLL Y EKRFGP
3763	P49720	104	KRFGPY Y TEPVIA
3764	P49736	234	ESLVVN y EDLAAR
3765	P49736	327	QLSMVK Y NCNKCN
3766	P49736	821	RKTFAR y lsfrrd
3767	P49756	134	AFGFCE Y KEPEST
3768	P49756	475	RKKTRE Y EKEAER
		_	
3769	P49756	832	MWRLLI Y ETEAKK
3770	P49760	101	YRHSYE Y QRENSS
3771	P49760	347	IVSTRH Y RAPEVI
3772	P49760	430	NTSAGR Y VRENCK
3773	P49768	77	EELTLK Y GAKHVI
3774	P49768	181	FFFSFI Y LGEVFK
3775	P49768	195	YNVAVD Y ITVALL
3776	P49790	88	KEDHLV Y ADEESS
3777	P49790	260	LGDSPF Y PGKTTY
3778	P49790	283	KLRNTP Y QAPVRR
			==
3779	P49795	112	AFLRTE Y SEENML
3780	P49795	146	RLIYED Y VSILSP
3781	P49795	185	DAQLQI Y TLMHRD
3782	P49802	114	~ ~
			YRFQTP Y FWPSNC
3783	P49802	231	KTRKSV Y GLQNDI
3784	P49802	417	VKEPGR y tfedaq
3785	P49815	285	LMEDRA Y MEDAPL
3786	P49815	1333	DRRTDA Y SRSSSV
3787	P49815	1678	IVTPLD Y ECNLVS
3788	P49841	56	RPQEVS y TDTKVI
	P49841		==
3789		71	GSFGVV Y QAKLCD
3790	P49841	114	NIVRLR y ffyssg
3791	P49841	117	RLRYFF Y SSGEKK
3792	P49841	127	EKKDEV y lnlvld
3793	P49841	134	LNLVLD Y VPETVY
3794	P49841	140	YVPETV y rvarhy
3795	P49841	146	YRVARH Y SRAKQT
3796	P49841	157	~
			QTLPVI Y VKLYMY
3797	P49841	161	VIYVKL y myQLFR
3798	P49841	163	YVKLYM Y QLFRSL
3799	P49841	171	LFRSLA Y IHSFGI
3800	P49841	221	SYICSRYYRAPEL
3801	P49841	222	YICSRY Y RAPELI
3802	P49841	234	IFGATD Y TSSIDV
3803	P49841	288	REMNPNYTEFKFP
3804	P49841	323	CSRLLE Y TPTARL
3805	P50150	44	AADLLA Y CEAHVR
3806	P50402	85	KEDALL Y QSKGYN
3807	P50402	95	GYNDDY Y EESYFT
3808	P50402	99	DYYEES Y FTTRTY
3809	P50502	151	PRLAIL Y AKRASV
3810	P50502	213	LACKLD y dedasa
3811	P50502	238	AEHRRK Y ERKREE
3812	P50548	16	AFPDWA Y KPESSP
3813	P50548	87	LSRALR Y YYNKRI
3814	P50548	277	TPTHLAYTPSPTL
3815	P50552	39	FSRVQI Y HNPTAN
3816	P50552	72	IVRGVK Y NQATPN
3817	P50552	341	TPSSSD Y SDLQRV
J J J I	100002	J 11	1.000D = 0DHŽI(A

3818	P50583	82	FKRELN Y VARNKP
3819	P50583	93	KPKTVI Y WLAEVK
3820	P50583	114	SHEHQA Y RWLGLE
			==
3821	P50613	12	KSRAKR y EKLDFL
3822	P50613	117	PSHIKA Y MLMTLQ
3823	P50613	127	TLQGLE Y LHQHWI
3824	P50750	92	RTKASP Y NRCKGS
3825	P50750	206	LLGERD Y GPPIDL
3826	P50750	282	KDRLKA y vrdpya
3827	P50895	186	APKITW Y RNGQRL
3828	P50895	342	GCRVEDYDAADDV
3829	P50895	360	LELRVA Y LDPLEL
3830	P50990	173	SIMSKQ Y GNEVFL
3831	P50990	242	DAKIAV Y SCPFDG
3832	P50990	501	AGILDT Y LGKYWA
	P51114	68	
3833			GDEVEVYSRANDQ
3834	P51114	92	MMKGEF Y VIEYAA
3835	P51114	395	GRRGPN Y TSGYGT
3836	P51575	274	RHCRPI Y EFHGLY
3837	P51575	363	LPKRHY Y KQKKFK
3838	P51575	370	KQKKFK Y AEDMGP
3839	P51587	42	SSEAPP Y NSEPAE
3840	P51587	1757	YHSDEV Y NDSGYL
3841	P51587	2567	QFHTED Y FGKESL
3842	P51617	395	AYLPEE Y IKTGRL
3843	P51617	433	HGARTK Y LKDLVE
3844	P51617	474	PIAMQI Y KKHLDP
3845	P51636	82	LFEISK y VMYKFL
3846	P51636	85	ISKYVM y kfltvf
3847	P51654	264	RMWYCS Y CQGLMM
3848	P51654	357	HSQQRQ Y RSAYYP
3849	P51654	402	KSFISF Y SALPGY
3850	P51809	54	GNYLFH Y ICQDRI
3851	P51809	90	KRFQTT Y GSRAQT
3852	P51809	202	VSIVFI Y IIVSPL
3853	P51813	40	TKTNLS Y YEYDKM
3854	P51813	41	KTNLSY Y EYDKMK
3855	P51813	43	NLSYYE Y DKMKRG
3856	P51813	78	TPVERQ Y PFQIVY
3857	P51813	84	
			YPFQIV Y KDGLLY
3858	P51813	92	DGLLYV Y ASNEES
3859	P51813	120	PHLLVK Y HSGFFV
3860	P51813	194	$\mathtt{STTLAQYDNESKK}$
3861	P51813	202	NESKKN Y GSQPPS
3862	P51813	234	PNFNMQYIPREDF
			~
3863	P51813	330	SSQVGM Y TVSLFS
3864	P51813	349	KGTVKH Y HVHTNA
3865	P51813	365	LYLAEN Y CFDSIP
3866	P51813	376	IPKLIH Y HQHNSA
3867	P51813	440	GKWKGQ Y DVAVKM
3868	P51813	476	PKLVKF Y GVCSKE
3869	P51813	486	SKEYPI Y IVTEYI
3870	P51813	491	IYIVTE Y ISNGCL
3871	P51813	500	NGCLLN Y LRSHGK
3872	P51813	518	QLLEMC Y DVCEGM
3873	P51813	586	APEVFH Y FKYSSK
3874	P51813	632	SQGHRLYRPHLAS
3875	P51813	642	LASDTI Y QIMYSC

3876	P51813	646	TIYQIM Y SCWHEL
3877	P51884	47	CNCPES Y PSAMYC
3878	P51884	70	VPPGIK y LYLRNN
3879	P51884	211	VSLLTL y ldnnki
3880	P51946	59	EMTLCK y YEKRLL
3881	P51946	207	TDAYLL Y TPSQIA
3882	P51946	262	RNLVKK y epprse
3883	P51955	88	LYIVME Y CEGGDL
3884	P51955	182	FVGTPY Y MSPEQM
3885	P51955	257	MLNLKD y hrpsve
3886	P51991	83	GFGFVT Y SCVEEV
3887	P51991	149	RDYFEK y GKIETI
	P51991	323	
3888			NFGGGN Y GGGGNY
3889	P52272	100	KVGEVT y VELLMD
3890	P52272	213	FVANLD Y KVGWKK
3891	P52272	681	ECGHVL Y ADIKME
3892	P52292	203	RDLVIK y GAVDPL
3893	P52292	277	TCWAISYLTDGPN
3894	P52292	415	TVEOIV Y LVHCGI
3895	P52333	67	~
			SGILPVYHSLFAL
3896	P52333	100	STQVLL y rirfyf
3897	P52333	105	LYRIRF Y FPNWFG
3898	P52333	190	LLKTVS y kaclpp
3899	P52333	238	HSLMAK Y IMDLER
3900	P52333	348	$ extsf{VALVDG}\mathbf{Y} extsf{FRLTTD}$
3901	P52333	399	GSRPGS Y VLRRSP
3902	P52333	425	NPLGPD Y KGCLIR
3903	P52333	506	$VQPQSQ\mathbf{Y}QLSQMT$
3904	P52333	536	GSFTKI Y RGCRHE
3905	P52333	581	LMSQVS y rhlvll
			==
3906	P52333	611	LGAIDM Y LRKRGH
3907	P52333	633	$oldsymbol{VVKQLA}\mathbf{Y}oldsymbol{ALNYLE}$
3908	P52333	637	LAYALN Y LEDKGL
3909	P52333	738	AKKLQF y edrqql
3910	P52333	762	IQQCMA y epvqrp
3911	P52333	809	WNGAQL Y ACQDPT
3912	P52333	824	EERHLK Y ISQLGK
	P52333		
3913		886	SDFIVK Y RGVSYG
3914	P52333	891	KYRGVS Y GPGRQS
3915	P52333	929	ASRLLL Y SSQICK
3916	P52333	994	QSPIFW Y APĒSLS
	P52333		~
3917		1018	SFGVVL Y ELFTYC
3918	P52333	1023	LYELFT Y CDKSCS
3919	P52434	90	$\mathtt{RADQFE}\mathbf{Y}\mathtt{VMYGKV}$
3920	P52434	93	QFEYVM y GKVYRI
			==
3921	P52434	115	ATRLSA Y VSYGGL
3922	P52435	61	QVLFAG y KVPHPL
3923	P52435	81	VQTTPD Y SPQEAF
3924	P52565	110	LKEGVE Y RIKISF
3925	P52565	149	DYMVGS Y GPRAEE
3926	P52565	156	GPRAEE Y EFLTPV
3927	P52630	22	DQLHQL Y SHSLLP
3928	P52630	34	PVDIRQ Y LAVWIE
3929	P52630	69	FLDQLN Y ECGRCS
3930	P52630	177	DVFCFR y kiqakg
3931	P52630	288	LSCLVS Y QDDPLT
		402	
3932	P52630		LIWDFGYLTLVEQ
3933	P52630	437	ISFTVK y TYQGLK
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3934	P52630	439	FTVKYT Y QGLKQE
3935	P52630	507	SWQFSS Y VGRGLN
			==
3936	P52630	626	DDKVLI y SVQPYT
3937	P52630	631	IYSVQP Y TKEVLQ
3938	P52630	648	TEIIRH Y QLLTEE
3939	P52630	665	NPLRFL Y PRIPRD
3940	P52630	677	DEAFGC Y YQEKVN
3941	P52630	678	EAFGCY Y QEKVNL
3942	P52630	833	NTVDEV Y VSRPSH
3943	P52630	841	SRPSHF Y TDGPLM
3944	P52655	174	AANGAQ Y IFQPQQ
3945	P52655	291	EDEEED Y DDDEEE
3946	P52655	365	NLNGRD Y IFSKAI
3947	P52732	125	RSPNEEYTWEEDP
3948	P52732	211	HNKDEV Y QILEKG
3949	P52732	932	TPQRKS Y LYPSTL
3950	P52735	187	QQPMIR Y MQKMGM
3951	P52735	213	QETEAK y yrtled
3952	P52735	214	ETEAKY Y RTLEDI
3953	P52735	224	
			EDIEKNYMSPLRL
3954	P52735	283	KERLLI Y GEYCSH
3955	P52735	286	LLIYGE Y CSHMEH
3956	P52735	339	MQRVLK Y HLLLKE
3957	P52735	372	MQDLAM Y INEVKR
3958	P52735	426	HTKQDR Y LFLFDK
3959	P52735	442	VCKRKG Y SYELKE
3960	P52735	444	KRKGYS Y ELKEII
3961	P52735	477	HGKMWS Y GFYLIH
3962	P52735	480	MWSYGF Y LIHLQG
3963	P52735	549	FLRGTF Y QGYMCT
			==
3964	P52735	552	$GTFYQG\mathbf{Y}MCTKCG$
3965	P52735	597	MVAMQN Y HGNPAP
3966	P52735	671	EIDYTA Y PWFAGN
3967	P52735	695	SHASGT Y LIRERP
3968	P52735	746	LLELVE Y YQCHSL
			~
3969	P52735	747	LELVEY Y QCHSLK
3970	P52735	765	LDTTLK y pyksre
3971	P52735	767	TTLKYP y KSRERS
3972	P52735	825	GTAVAR Y NFAARD
3973	P52735	846	GDVVRI Y SRIGGD
3974	P52907	136	AYVKDH Y SNGFCT
3975	P52907	247	TAISEN Y QTMSDT
3976	P52907	277	WNKILS Y KIGKEM
3977	P52945	68	PPDISP Y EVPPLA
3978	P52945	153	KRTRTA \mathbf{Y} TRAQLL
3979	P52945	170	EFLFNK Y ISRPRR
3980	P53350	421	VDYSDK y GLGYQL
3981	P53350	570	LSLLEE Y GCCKEL
3982	P53350	582	LASRLR Y ARTMVD
3983	P53355	129	ILNGVY Y LHSLQI
3984	P53355	491	AAWHGY Y SVAKAL
	P53355	572	
3985			QGCFVD Y QDRHGN
3986	P53396	31	IQNRFK Y ARVTPD
3987	P53396	517	GMLDFD Y VCSRDE
3988	P53396	993	VQILKD Y VRQHFP
3989	P53667	124	IGDGDT Y TLVEHS
3990	P53667	139	YCGHCY Y QTVVTP
3991	P53667	415	LNFITE Y IKGGTL
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3992	P53674	59	ELPPGN Y RLVVFE
3993	P53674	196	SGTWVG Y QYPGYR
		206	
3994	P53674		GYRGYQ Y LLEPGD
3995	P53779	8	SLHFLY Y CSEPTL
3996	P53779	32	KQVDVS Y IAKHYN
3997	P53779	37	SYIAKH Y NMSKSK
3998	P53779	49	KVDNQF Y SVEVGD
3999	P53779	64	FTVLKR Y QNLKPI
4000	P53779	82	GIVCAA Y DAVLDR
4001	P53779	109	THAKRAYRELVLM
4002	P53779	143	EEFQDV Y LVMELM
4003	P53779	168	DHERMS Y LLYQML
4004	P53779	171	RMSYLL Y QMLCGI
4005	P53779	228	PYVVTR Y YRAPEV
4006	P53779	229	YVVTRY Y RAPEVI
4007	P53779	240	VILGMG Y KENVDI
4008	P53779	268	LFPGRD Y IDQWNK
4009	P53779	297	QPTVRN y venrpk
4010	P53779	304	VENRPK Y AGLTFP
4011	P53779	358	
			DALQHPYINVWYD
4012	P53779	363	PYINVW Y DPAEVE
4013	P53779	376	APPPQI y DKQLDE
4014	P53779	395	EWKELI y kevmns
4015	P53804	203	FFTEYK Y HITKIV
4016	P53804	540	NYVLVV Y GLAISL
4017	P53804	856	VLSTED Y TTCFSS
4018	P53999	71	QIGKMR Y VSVRDF
			~
4019	P53999	88	LIDIRE Y WMDPEG
4020	P54105	38	LGTGTL Y IAESRL
4021	P54105	168	GDIPTF Y TYEEGL
4022	P54105	200	QSVSSQ Y NMAGVR
4023	P54198	84	WSNSGMYLASGGD
4024	P54198	297	AKPSCP Y CCCAVG
4025	P54198	942	RHWLLV y arylvn
4026	P54253	135	FIGSSQ Y SGTYAS
4027	P54253	573	PPTLPP Y FMKGSI
4028	P54253	648	VEVLVE Y PFFVFG
4029	P54259	220	PPHPQLYPGGTGG
			~
4030	P54259	583	STSQGSYPCSHPS
4031	P54259	657	TATPPG Y KPGSPP
4032	P54274	124	CQLRTI Y ICQFLT
4033	P54274	243	MEKIKS Y VNYVLS
4034	P54274	398	RSGVRK Y GEGNWS
4035	P54577	52	GKPHVA Y FVPMSK
4036	P54577	97	ELRVSY Y ENVIKA
4037	P54577	198	FTFAEK Y LPALGY
4038	P54646	236	VFYIPE Y LNRSVA
4039	P54646	275	KQDLPS y lfpedp
4040	P54646	458	KMSLQL Y LVDNRS
4041	P54753	68	WEEVSGYDEAMNP
4042	P54753	78	MNPIRT Y QVCNVR
4043	P54753	106	RDVQRV Y VELKFT
4044	P54753	134	
			ETFNLF Y YEADSD
4045	P54753	190	LSKAGF Y LAFQDQ
4046	P54753	255	SVPLKL Y CNGDGE
4047	P54753	292	PCPPGS Y KAKQGE
4048	P54753	373	GRDDLL Y NVICKK
4049	P54753	421	LLAHTR Y TFEVQA

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

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

4166	P60484	188	LKNHLD Y RPVALL
4167	P60484	225	QLKVKI Y SSNSGP
4168	P60484	240	$ exttt{REDKFM}\mathbf{Y} exttt{FEFPQP}$
4169	P60484	315	ADNDKE Y LVLTLT
4170	P60484	346	NFKVKL Y FTKTVE
4171	P60484	377	DNEPDH Y RYSDTT
4172	P60484	379	EPDHYR Y SDTTDS
4173	P60953	23	TCLLIS Y TTNKFP
4174	P60953	32	NKFPSE Y VPTVFD
4175	P60953	40	PTVFDN Y AVTVMI
4176	P60953	51	MIGGEP Y TLGLFD
4177	P60953	72	RLRPLS Y PQTDVF
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4178	P60953	154	DLKAVK y vecsal
4179	P61073	65	VILVMG Y QKKLRS
4180	P61073	76	RSMTDK Y RLHLSV
4181	P61073	157	LAEKVV Y VGVWIP
4182	P61081	71	CPDEGF Y KSGKFV
4183	P61081	100	KCETMV Y HPNIDL
4184	P61081	172	RSMRGG Y IGSTYF
4185	P61086	51	GPPDTP Y EGGRYQ
4186	P61086	152	RLWAHV Y AGAPVS
4187	P61086	162	PVSSPE Y TKKIEN
4188	P61158	16	VDCGTG Y TKLGYA
4189	P61158	109	AEPEDH Y FLLTEP
4190	P61158	140	FNVPGL Y IAVQAV
4191	P61244	73	ATEYIQ Y MRRKNH
	P61244	115	==
4192			AQLQTN Y PSSDNS
4193	P61244	123	SSDNSL y tnakgs
4194	P61289	182	LDQISR y yitrak
			==
4195	P61289	196	VSKIAK y PHVEDY
4196	P61289	214	EIDEKE y ISLRLI
4197	P61457	70	PEWFNV Y NKVHIT
4198	P61604	76	KVLLPE Y GGTKVV
4199	P61604	88	VLDDKD y flfrdG
4200	P61769	83	SKDWSF y llyyte
4201	P61769	86	WSFYLL Y YTEFTP
			_
4202	P61769	87	SFYLLY Y TEFTPT
4203	P61803	16	SRFLEE Y LSSTPQ
4204	P61803		
		30	LKLLDA Y LLYILL
4205	P61803	44	GALQFG Y CLLVGT
4206	P61923	11	ILEPSL y tvkail
	P61923	31	
4207			RLFAKYYDDTYPS
4208	P61923	69	EGLTVV Y KSSIDL
4209	P61978	138	CLNYQH Y KGSDFD
			~
4210	P61978	280	PPSRRDYDDMSPR
4211	P61978	371	GGSGYD Y SYAGGR
4212	P62136	93	YLFLGD Y VDRGKQ
4213	P62136	137	NRIYGF Y DECKRR
4214	P62136	272	LFSAPN Y CGEFDN
4215	P62253	50	GPPDTL Y EGGVFK
4216	P62253	65	LTFPKDYPLRPPK
4217	P62253	104	GEDKYG y EKPEER
4218	P62258	121	GESKVF Y YKMKGD
	P62258	122	
4219			ESKVFY Y KMKGDY
4220	P62258	181	LNFSVF Y YEILNS
4221	P62266	27	KWHDKQ Y KKAHLG
4222	P62266	134	
			VSLLAL Y KGKKER
4223	P62269	40	KGVGRR Y AHVVLR

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

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

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

4398	P98161	1187	YASRGT Y HVRLEV
4399	P98161	2168	RRSQRN Y LEAHVD
4400	P98170	154	DISDTIYPRNPAM
4401	P98170	290	LARAGF Y ALGEGD
4402	P98170	338	EQKGQE Y INNIHL
4403	P98177	106	AWGNQS Y AELISQ
		292	
4404	P98177		PASVSS Y AGGVPP
4405	P98177	341	TGPLHT Y SSSLFS
4406	P98179	129	GGYGYG Y GRSRDY
4407	P98179	135	YGRSRD Y NGRNQG
4408	P98179	146	QGGYDR Y SGGNYR
4409	P99999	47	TGQAPG Y SYTAAN
			==
4410	P99999	49	QAPGYS Y TAANKN
4411	P99999	75	LENPKK Y IPGTKM
4412	000059	37	SPFSFV Y LPRWFS
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4413	Q00059	162	KRPRSA Y NVYVAE
4414	Q00059	211	KEDETR Y HNEMKS
	~		
4415	Q00341	40	ESDPPT Y KDAFPP
4416	Q00341	288	ARIKKI y eekkkk
4417	Q00341	986	PFDLHR Y VIGQKG
4418	Q00534	170	FGLARI Y SFQMAL
4419	Q00534	185	VVVTLW Y RAPEVL
4420	Q00534	299	SALSHP y FQDLER
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4421	Q00536	176	KLGEGT Y ATVYKG
4422	Q00536	250	DKDLKQ Y LDDCGN
4423	Q00536	353	GVGCIF Y EMATGR
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4424	Q00610	417	TSPLLQ Y FGILLD
4425	Q00610	430	QGQLNK y eslelc
4426	Q00610	1634	ĒTQPIV Y GQPQLM
4427	Q00613	225	AHSMPK Y SRQFSL
4428	Q00613	240	VHGSGP Y SAPSPA
4429	Q00613	253	YSSSL Y APDAVA
4430	Q00653	294	VFRTPP Y HKMKIE
4431	Q00653	326	SKQFTY Y PLVEDK
4432	Q00653	509	VIEQIV Y VIHHAQ
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4433	Q00839	379	GEEEFS Y GYSLKG
4434	Q00839	795	RGNNRG Y KNQSQG
4435	Q00839	802	
			KNQSQGYNQWQQG
4436	Q00987	60	LFYLGQ Y IMTKRL
4437	Q00987	104	KIYTMI Y RNLVVV
4438	Q00987	276	DEDDEV y QVTVYQ
4439	Q01081	21	KVNCSF Y FKIGAC
4440	Q01081	78	VEMQEH Y DEFFEE
4441	Q01081	93	TEMEEK Y GEVEEM
4442	Q01094	100	LETDHQ Y LAESSG
4443	Q01094	128	PGEKSR Y ETSLNL
4444	Q01094	245	DSQRLA Y VTCQDL
			==
4445	Q01130	44	GRVGDV y IPRDRY
4446	Q01130	115	RYGGGG Y GRRSRS
4447	Q01130	144	SRSRSR Y SRSKSR
4448	Q01469	22	SKGFDE y MKELGV
4449	Q01518	153	APKPGP Y VKEMND
	Q01518		
4450		186	VDWVKA Y LSIWTE
4451	Q01518	419	TDGCHAYLSKNSL
4452	Q01804	71	RMACIH Y LRENRE
	Q01804	743	
4453			KVPVPVYPHNPWF
4454	Q01804	1064	YSGRGG Y QHVRSE
4455	Q01826	144	NPVPLS Y VTDAPD
	201020		111 1110 = 11D111 D

4456	Q01826	240	QEFGRW Y KHFKKT
4457	Q01826	719	EVDVAE Y KEEELL
4458	Q01844	18	AAAQQG $f Y$ SAYTAQ
4459	Q01844	86	PTAPQA Y SQPVQG
4460	Q01844	240	OOPPTS Y PPOTGS
	~		~~ ~
4461	Q01860	67	PPCPPP Y EFCGGM
4462	Q01860	162	KRITLG Y TQADVG
4463	Q01860	334	PHFTAL Y SSVPFP
4464	Q01954	326	LSDSSS Y NIVTKF
4465	Q01954	657	DGGHEH Y FTPGME
4466	Q01954	937	HLCQKT Y SNKGTF
4467	Q01974	116	IIRKTE Y GSRLRI
4468	Q01974	693	SYGLQP Y CGYSNQ
4469	Q01974	696	LQPYCG Y SNQDVV
4470	Q02156	199	VIGKQG Y QCQVCT
4471	Q02156	250	KFGIHN Y KVPTFC
4472	Q02156	434	KGKDEV Y AVKVLK
4473	Q02388	356	VPGATG Y RVTWRV
4474	Q02388	537	VPGATQ Y RIIVRS
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4475	Q02388	1024	LEPGVS Y IFSLTP
4476	Q02447	33	$GGGHGE\mathbf{Y}LQQQQQ$
4477	Q02447	139	ATSSGQ Y VLPLQN
4478	Q02447	657	FVCNWMYCGKRFT
4479	Q02763	100	SKINGAYFCEGRV
4480	Q02763	189	PQDAGV Y SARYIG
4481	Q02763	193	GVYSAR Y IGGNLF
		277	
4482	Q02763		QEGCKS Y VFCLPD
4483	Q02763	285	FCLPDP Y GCSCAT
4484	Q02763	307	ACHPGF Y GPDCKL
4485	Q02763	470	NISSEP Y FGDGPI
4486	Q02763	489	YKPVNH Y EAWQHI
4487	Q02763	506	EIVTLN y leprte
4488	Q02763	513	LEPRTE Y ELCVQL
4489	Q02763	575	SSEDDF Y VEVERR
4490	Q02763	611	LHPREQ Y VVRARV
4491	Q02763	674	SSITIR y KVQGKN
4492	Q02763	708	LEPETA Y QVDIFA
4493	Q02763	897	ACEHRG Y LYLAIE
4494	Q02763	899	EHRGYL Y LAIEYA
4495	Q02763	904	LYLAIE Y APHGNL
4496	Q02763	954	VARGMD Y LSQKQF
4497	Q02763	1012	AIESLN Y SVYTTN
4498	Q02763	1015	SLNYSV y ttnsdv
4499	Q02763	1039	SLGGTP Y CGMTCA
4500	Q02763	1055	EKLPQG Y RLEKPL
			==
4501	Q02763	1068	NCDDEV Y DLMRQC
4502	Q02763	1080	CWREKP y erpsfa
4503	Q02790	113	CKPEYA Y GSAGSP
4504	Q02790	220	GEHSIV Y LKPSYA
4505	Q02790	411	AREKKL Y ANMFER
4506	Q02818	54	GLYYHR Y LQEVID
4507	Q02818	168	TRDLAQ Y DAAHHE
4508	Q02818	179	HEEFKR Y EMLKEH
4509	Q02978	81	EGLRGI Y TGLSAG
4510	Q02978	161	ADQRRG Y KNVFNA
4511	Q02978	272	LFKVVR Y EGFFSL
4512	Q03135	42	LSEKQV Y DAHTKE
4513	Q03135	97	TFTVTK Y WFYRLL
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4514	Q03135	100	VTKYWF Y RLLSAL
4515	Q03135	118	ALIWGI Y FAILSF
4516	Q03135	148	QCISRV Y SIYVHT
4517	Q03135	151	SRVYSI Y VHTVCD
4518	Q03393	53	NGHGHN Y KVVVTV
4519	Q03393	99	LDMDVP y fadvvs
4520	Q03393	128	LPVGVL Y KVKVYE
4521	Q03468	274	ASGFEK y ladqak
4522	Q03468	880	FLRAQK Y TYLKMD
4523	Q03468	1279	DGASPD Y VLVEAE
4524	Q03721	109	FAYVLN Y YRTGKL
4525	Q03721	110	AYVLNY Y RTGKLH
4526	Q03721	597	LLSTGD Y ACADGS
4527	Q04206	66	TIKINGYTGPGTV
4528	Q04206	152	EEQRGD \mathbf{Y} DLNAVR
4529	Q04206	496	EPMLME Y PEAITR
4530	Q04323	179	AERAKK Y GGSVGS
4531	Q04323	211	PPTKRE Y DQCRIQ
4532	Q04323	242	LAAVRL Y VELHRG
4533	Q04637	146	TYAGAY Y PAQGVQ
4534	Q04637	596	GEQKYE y KSDQWK
4535		1550	
	Q04637		MFFDALYDEDVVK
4536	Q04759	28	GEAVNP Y CAVLVK
4537	Q04759	36	AVLVKE Y VESENG
4538	Q04759	45	SENGQM Y IQKKPT
4539	Q04759	53	QKKPTM Y PPWDST
4540	Q04759	121	MLMNAR Y FLEMSD
4541	Q04759	188	
			GLNKQG Y QCRQCN
4542	Q04759	237	PHRFKV Y NYKSPT
4543	Q04759	239	RFKVYN Y KSPTFC
4544	Q04759	460	
			LFFVME Y LNGGDL
4545	Q04759	468	NGGDLM Y HIQSCH
4546	Q04759	484	LSRATF Y AAEIIL
4547		502	
	Q04759		HSKGIV Y RDLKLD
4548	Q04759	556	ILLGQK y nhsvdw
4549	Q04759	598	RMDNPF Y PRWLEK
4550	Q04760	49	KKSLDF y TRVLGM
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4551	Q04760	71	IMKFSL Y FLAYED
4552	Q04760	75	SLYFLA Y EDKNDI
4553	Q04864	287	PDEKDT Y GNKAKK
4554	Q04864	388	SQAESY Y PSPGPI
4555	Q04864	463	ASNACI Y NNADDI
4556	Q04912	34	QCPRTP Y AASRDF
4557	Q04912	44	RDFDVK Y VVPSFS
4558	Q04912	61	VQAMVT Y EGDRNE
4559	Q04912	196	EQGQAS Y FYVASS
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4560	Q04912	198	GQASYF Y VASSLD
4561	004912	245	PKHLVS Y SIEYVH
4562	Q04912	249	VSYSIE Y VHSFHT
4563	Q04912	260	HTGAFV Y FLTVQP
4564	Q04912	293	EPELGD Y RELVLD
4565	Q04912	318	PEGGQP Y PVLRVA
4566	Q04912	452	VQVTAL Y VTRLDN
4567	Q04912	482	LVRSLN Y LLYVSN
4568	Q04912	485	SLNYLL Y VSNFSL
4569	Q04912	595	LCGSNF Y LHPSGL
4570	Q04912	766	GSWTFQ y redpvv
4571	004912	829	LCRLPE Y VVRDPQ
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4572	Q04912	884	HAIKFE Y IGLGAV
4573	Q04912	980	TALVFS Y WWRRKQ
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4574	Q04912	1017	LYSGSD Y RSGLAL
4575	Q04912	1097	GHFGVV Y HGEYID
4576	Q04912	1163	PHVLLP Y MCHGDL
4577	Q04912	1198	VARSME Y LAEQKF
			==
4578	Q04912	1288	TRGAPP Y RHIDPF
4579	Q04912	1317	YCPDSL Y QVMQQC
4580	Q05066	44	ESCNSK Y QCETGE
4581	Q05066	124	==
			AMHREK Y PNYKYR
4582	Q05066	164	QLDNRL Y RDDCTK
4583	Q05086	37	HLIERY Y HQLTEG
4584	Q05086	96	KGASSA Y LENSKG
4585	Q05086	127	DFKDVT Y LTEEKV
4586	Q05086	134	LTEEKV Y EILELC
4587	Q05086	273	VECDLT y hnvysr
4588	Q05086	283	YSRDPN Y LNLFII
4589	Q05086	331	IRLWSK y nadqir
4590	Q05086	349	FQQLIT y KVISNE
4591	Q05086	380	CLKMVY Y ANVVGG
4592	Q05086	464	LEMDKD Y TFFKVE
4593	Q05086	494	TKNLGL Y YDNRIR
4594	Q05086	502	DNRIRM Y SERRIT
4595	Q05086	511	RRITVL Y SLVQGQ
4596	Q05086	522	
			GQQLNP Y LRLKVR
4597	Q05086	556	DLKKQL y vefege
4598	Q05086	624	VLGLAI Y NNCILD
4599	Q05086	638	HFPMVV Y RKLMGK
4600	Q05086	668	LKDLLE Y EGNVED
4601	Q05086	694	FGNPMM Y DLKENG
4602	Q05086	717	KEFVNL Y SDYILN
4603	Q05086	720	VNLYSD Y ILNKSV
4604	Q05086	748	NESPLK Y LFRPEE
4605	Q05086	776	LEETTE y DGGYTR
4606	Q05086	852	VLLLPE Y SSKEKL
4607	Q05209	42	RRLSTK Y RTEKIY
4608	Q05209	88	PSQDSD Y INANFI
4609	Q05209	194	RLYQFH y VNWPDH
4610	Q05315	35	CFLNEP Y LQVDFH
4611	Q05315	69	VMNSRE Y GAWKQQ
4612	Q05315	100	SVLPDK Y QVMVNG
4613	Q05397	83	VKHVAC Y GFRLSH
4614	Q05397	111	SSVREK y elahpp
4615	Q05397	122	PPEEWK Y ELRIRY
4616	Q05397	128	YELRIR Y LPKGFL
4617	Q05397	148	PTLNFF Y QQVKSD
4618	Q05397	194	LEKKSN Y EVLEKD
4619	Q05397	251	EILSPV Y RFDKEC
4620	Q05397	282	PEEGIS Y LTDKGC
4621	Q05397	304	QVQTIQ Y SNSEDK
4622	Q05397	347	ADLIDG Y CRLVNG
4623	Q05397	415	MPSTRD Y EIQRER
			==
4624	Q05397	441	DVHQGI Y MSPENP
4625	Q05397	516	FLQVRK y SLDLAS
4626	Q05397	526	LASLIL y AYQLST
4627	Q05397		==
		528	SLILYA Y QLSTAL
4628	Q05397	661	MTKCWAYDPSRRP
4629	Q05397	730	RSSEGF Y PSPQHM
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4630	Q05397	742	MVQTNH Y QVSGYP
4631	Q05397	747	HYQVSG Y PGSHGI
			==
4632	Q05397	761	AMAGSI Y PGQASL
4633	Q05397	898	SSPADS Y NEGVKL
4634	Q05397	950	PAPPEE Y VPMVKE
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4635	Q05397	1007	MKLAQQ $f Y$ VM $f T$ SLQ
4636	Q05397	1016	TSLQQE Y KKQMLT
	Q05655		
4637		12	RIAFNS Y ELGSLQ
4638	Q05655	52	QKKPTM Y PEWKST
4639	Q05655	120	$VLMSVQ\mathbf{Y}$ FLEDVD
4640	Q05655	187	GLNKQG Y KCRQCN
			~ ~
4641	Q05655	238	RFKVHN Y MSPTFC
4642	Q05655	437	NGGDLM Y HIQDKG
4643	Q05655	448	KGRFEL Y RATFYA
4644	Q05655	453	LYRATF Y AAEIMC
4645	Q05655	471	HSKGII Y RDLKLD
4646	Q05655	514	FCGTPD Y IAPEIL
4647	Q05655	525	ILQGLK y tfsvdw
4648	Q05655	539	SFGVLL y emligQ
4649	Q05655	630	VKSPRD Y SNFDQE
			~
4650	Q05655	646	EKARLS Y SDKNLI
4651	Q05707	21	PFLAIV Y FCTIVQ
4652	Q05707	1105	AIKHIS Y KGGNTK
4653	Q05707	1118	TGKAIK Y VRDTLF
4654	Q06187	42	KLSYYE y DFERGR
4655	Q06187	100	IIERFP y pfQVVY
4656	Q06187	106	YPFQVV Y DEGPLY
4657	Q06187	112	YDEGPL Y VFSPTE
4658	Q06187	134	LKNVIR y nsdlvq
4659	Q06187	142	SDLVQK y hpcfwi
4660	Q06187	152	FWIDGQYLCCSQT
4661	Q06187	225	VVALYD Y MPMNAN
4662	Q06187	241	LRKGDE Y FILEES
4663	Q06187	263	KNGQEG Y IPSNYV
4664	Q06187	268	GYIPSN Y VTEAED
4665	Q06187	279	EDSIEM Y EWYSKH
4666	Q06187	315	SSKAGK y TVSVFA
4667	Q06187	334	QGVIRH Y VVCSTP
4668	Q06187	392	STAGLG Y GSWEID
4669	Q06187	418	QFGVVK Y GKWRGQ
4670	Q06187	461	EKLVQL Y GVCTKQ
4671	Q06187	476	IFIITE Y MANGCL
4672	Q06187	485	NGCLLN Y LREMRH
4673	Q06187	511	VCEAME Y LESKQF
4674	Q06187	545	DFGLSR Y VLDDEY
4675	Q06187	571	PPEVLM Y SKFSSK
4676	006187	591	VLMWEI Y SLGKMP
4677	Q06187	598	SLGKMPYERFTNS
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4678	Q06413	33	GLMKKA Y ELSVLC
4679	Q06413	216	TSAGNG Y GNPRNS
4680	Q06413	311	GQGMGG Y PSAIST
4681	Q06481	327	AVMPRWYFDLSKG
4682	Q06481	340	KCVRFI Y GGCGGN
4683	Q06481	475	RMALEN Y LAALQS
4684	Q06609	159	GEGKAM¥IDTEGT
4685	Q06609	178	LAVAER Y GLSGSD
4686	Q06609	191	VLDNVA Y ARAFNT
4687	Q06609	205	HQTQLL Y QASAMM
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4688	Q06609	216	MMVESR Y ALLIVD
4689	Q06609	228	
			DSATAL Y RTDYSG
4690	Q06609	232	ALYRTD Y SGRGEL
4691	Q06609	301	ASTTRL Y LRKGRG
4692	Q06609	315	
			TRICKIYDSPCLP
4693	Q06787	16	GSNGAF Y KAFVKD
4694	Q06787	166	TYDPEN Y QLVILS
4695	Q06787	461	TDKEKS Y VTDDGQ
			==
4696	Q06828	65	EGPAYT Y GSPSPP
4697	Q06828	232	ILLDLS y nhlrkv
4698	Q06828	302	LELDLS Y NQLQKI
4699	Q06830	34	DISLSD y kGKYVV
4700	Q06830	38	SDYKGK y vvfffy
4701	Q06830	44	YVVFFF Y PLDFTF
		113	
4702	Q07065		ALNFLF Y LALVAA
4703	Q07065	322	TMESDIYTEVREL
4704	Q07065	563	VDSLVA Y SVKIET
4705	Q07666	103	
			MEPENK Y LPELMA
4706	Q07666	145	KDDEENYLDLFSH
4707	Q07666	167	LIPVKQ Y PKFNFV
4708	Q07666	220	KGGDPK Y AHLNMD
4709	Q07666	241	GPPCEA Y ALMAHA
4710	Q07666	273	QFLELS Y LNGVPE
4711	Q07666	366	PPAPET Y EEYGYD
4712	Q07666	369	
			PETYEE Y GYDDTY
4713	Q07666	371	TYEEYG Y DDTYAE
4714	Q07666	375	YGYDDT y AEQSYE
4715	Q07666	380	TYAEQS Y EGYEGY
4716	Q07666	383	EQSYEG Y EGYYSQ
4717	Q07666	386	YEGYEG Y YSQSQG
4718	Q07666	387	EGYEGY Y SQSQGD
4719	Q07666	396	
			SQGDSE Y YDYGHG
4720	Q07666	397	QGDSEY Y DYGHGE
4721	Q07666	399	DSEYYD Y GHGEVQ
4722	Q07666	408	GEVQDS Y EAYGQD
4723	Q07666	411	QDSYEA Y GQDDWN
4724	Q07817	22	$\mathtt{KLSQKGYSWSQFS}$
4725	Q07817	120	ITPGTA Y QSFEQV
4726	Q07817	173	AAWMAT Y LNDHLE
4727	Q07820	15	VIGLNLYCGGAGL
4728	Q07820	129	EEELDG Y EPEPLG
4729	Q07820	185	LEIISR y lreqat
4730	Q07866	361	YEEVEY Y YQRALE
4731	Q07866	362	EEVEYY Y QRALEI
4732	Q07866	404	KQAETL y keiltr
4733	Q07912	22	EVQLQQ Y FLRLRD
4734	Q07912	40	RLSHFE Y VKNEDL
4735	Q07912	193	RNLIRL Y GVVLTP
4736	Q07912	232	LGTLSR y avqvae
4737	Q07912	242	
			VAEGMGYLESKRF
4738	Q07912	326	LWEMFT Y GQEPWI
4739	Q07912	361	DCPQDI y nvmvqc
4740	Q07912	423	EGRAEN Y WWRGQN
4741	Q07912	486	DRIDELYLGNPMD
4742	Q07912	635	LPPPPA y ddvaqd
4743	Q07912	670	SQGQTN Y AFVPEQ
4744	Q07912	860	
			VSSTHYYLLPERP
4745	Q07912	868	LPERPS y leryQr

4746 Q07912 992 VQRAAQYLKVEQL 4747 Q07954 387 VYWADAYLDYIEV 4748 Q07954 617 WMGDNLYWTDDGP 4749 Q07954 1043 DNDCGDYSDETHA 4750 Q07954 1341 FEVVIQYGLATPE 4751 Q07954 1443 NGLTVDYLEKRIL 4752 Q07954 1492 LYGGEVYWTDWRT 4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1622 NVTVLDYDAREQR 4757 Q07954 1717 PLRGKLYWTDGDN 4758 Q07954 2000 LNGSFRYVVISQG 4760 Q07954 2298 RGWDTLYWTSYTT 4761 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3049 NLDGSNYTLKQG 4765 <td< th=""><th></th></td<>	
4747 Q07954 387 VYWADAYLDYIEV 4748 Q07954 617 WMGDNLYWTDDGP 4749 Q07954 1043 DNDCGDYSDETHA 4750 Q07954 1341 FEVVIQYGLATPE 4751 Q07954 1443 NGLTVDYLEKRIL 4752 Q07954 1492 LYGGEVYWTDWRT 4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1622 NVTVLDYDAREQR 4757 Q07954 1757 PLRGKLYWTDGDN 4758 Q07954 1757 FPESKLYWISSGN 4759 Q07954 2000 LNGSFRYVVISQG 4760 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 2700 PRCPLNYFACPSG 4763 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3072 YREQMIYWTDVTT 4765 <	
4748 Q07954 617 WMGDNLYWTDDGP 4749 Q07954 1043 DNDCGDYSDETHA 4750 Q07954 1341 FEVVIQYGLATPE 4751 Q07954 1443 NGLTVDYLEKRIL 4752 Q07954 1492 LYGGEVYWTDWRT 4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1717 PLRGKLYWTDGDN 4758 Q07954 1757 FPESKLYWISSGN 4759 Q07954 2000 LNGSFRYVVISQG 4760 Q07954 2298 RGWDTLYWTSYTT 4761 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 2700 PRCPLNYFACPSG 4763 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3066 VALDFDYREQMIY 4765 Q07954 3135 SKLNGAYRTVLVS 4766 Q07954 3160 VQNGYLYWTDWGD 4768 Q07954	
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4750 Q07954 1341 FEVVIQYGLATPE 4751 Q07954 1443 NGLTVDYLEKRIL 4752 Q07954 1492 LYGGEVYWTDWRT 4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1622 NVTVLDYDAREQR 4757 Q07954 1757 PLRGKLYWTDGDN 4758 Q07954 1757 FPESKLYWISSGN 4759 Q07954 2000 LNGSFRYVVISQG 4760 Q07954 2298 RGWDTLYWTSYTT 4761 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 2700 PRCPLNYFACPSG 4763 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3066 VALDFDYREQMIY 4765 Q07954 3135 SKLNGAYRTVLVS 4766 Q07954 3135 SKLNGAYRTVLVS 4767 Q07954 3212 ADAREDYIEFASL 4769 Q07954	
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4752 Q07954 1492 LYGGEVYWTDWRT 4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1622 NVTVLDYDAREQR 4757 Q07954 1717 PLRGKLYWTDGDN 4758 Q07954 2000 LNGSFRYVVISQG 4759 Q07954 2298 RGWDTLYWTSYTT 4760 Q07954 2298 RGWDTLYWTSYTT 4761 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 2700 PRCPLNYFACPSG 4763 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3066 VALDFDYREQMIY 4765 Q07954 3072 YREQMIYWTDVTT 4766 Q07954 3135 SKLNGAYRTVLVS 4767 Q07954 3212 ADAREDYIEFASL 4769 Q07954 3243 LTLFEDYVWTDW 4770 Q07954 3915 VKAGRVYWTNWHT 4771 Q07955	
4753 Q07954 1528 PFDLQVYHPSRQP 4754 Q07954 1587 FKKFLLYARQMEI 4755 Q07954 1605 DAPYYNYIISFTV 4756 Q07954 1622 NVTVLDYDAREQR 4757 Q07954 1717 PLRGKLYWTDGDN 4758 Q07954 2000 LNGSFRYVVISQG 4759 Q07954 2298 RGWDTLYWTSYTT 4760 Q07954 2406 KIERCEYDGSHRY 4761 Q07954 2406 KIERCEYDGSHRY 4762 Q07954 2700 PRCPLNYFACPSG 4763 Q07954 3049 NLDGSNYTLLKQG 4764 Q07954 3066 VALDFDYREQMIY 4765 Q07954 3072 YREQMIYWTDVTT 4766 Q07954 3135 SKLNGAYRTVLVS 4767 Q07954 3212 ADAREDYIEFASL 4769 Q07954 3243 LTLFEDYVYWTDW 4770 Q07954 3915 VKAGRVYWTNWHT 4771 Q07955 72 DAEDAVYGRDGYD	
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4776 Q08050 377 LPRVSS Y LVPIQF	
4777 Q08188 241 GNWSGT Y TGGRDP	
4778 Q08188 312 NLSVDV Y YDPMGN	
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4783 Q08345 122 RSYRLR Y SRDGRR	
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4790 Q08345 225 TVGGLQ Y GGLGQL	
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4797 Q08345 586 VTGGNT Y AVPALP	
4798 Q08345 703 LCMITD Y MENGDL	
4799 Q08345 756 IASGMR Y LATLNF	
4800 Q08345 869 DQGRQV Y LSRPPA	
4801 Q08345 881 ACPQGLYELMLRC	
4802 Q08426 558 KRGNRR Y CPIPDV	
4803 Q08426 582 GKGWYQ Y DKPLGR	
7000 X00450 205 GI/GMIĂIDI/L TRV	

4804	Q08426	682	LEKLQK Y YRQNPD
4805	Q08431	154	RLASHE Y LKAFKV
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4806	Q08431	323	ASYKVA Y SNDSAN
4807	Q08431	333	SANWTE Y QDPRTG
4808	Q08495	41	DNQVLG Y KDLAAI
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4809	Q08495	64	RPDLMI Y EPHFTY
4810	Q08495	70	YEPHFT Y SLLEHV
4811	Q08722	131	TIIELK y rvvswf
4812	Q08722	225	ILILLH Y YVFSTA
4813	Q08722	288	QLLGLV y mkfvas
4814	Q08945	93	DFFKTH Y RLELME
4815	Q08945	311	NMSGSL Y EMVSRV
4816	Q08945	614	EKAMKE Y EGGRGE
4817	Q08999	77	RSMSES Y TLEGND
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4818	Q08999	226	DDLVNS Y HLLLCA
4819	Q08999	341	NKAYEE Y VLSVGN
4820	Q08J23	52	KLFEHY Y QELKIV
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4821	Q08J23	612	EGIYTL Y PFINSR
4822	Q08J23	646	KLSSET y SQAKDL
4823	Q09028	98	QFDASH Y DSEKGE
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4824	Q09028	181	GHQKEG Y GLSWNP
4825	Q09028	284	CLSFNP Y SEFILA
4826	Q09161	228	PHPQEEYLDCLWA
4827	Q09161	253	RHILRP Y LAFDSI
4828	Q09161	294	IFRMFD Y TDDPEG
4829	Q0VD86	40	RPMPQR Y GDVFWK
4830	Q0VD86	77	CSQLGL Y PPEQLP
4831	Q0VD86	118	RVRAVT Y HLEDLR
4832	Q12778	421	NSPSPN Y QKYTYG
4833	Q12778	424	SPNYQK Y TYGQSS
4834	Q12778	507	NSVMST Y GSQASH
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4835	Q12792	134	DVSLHG Y KKYLLS
4836	Q12792	241	RYHFFL Y KHSHEG
4837	Q12792	257	ESIVFI Y SMPGYT
4838	Q12834	152	NRLKVL Y SQKATP
4839	Q12834	167	SRKTCR y ipslpd
4840	Q12834	186	F.TRNDY Y I.NI.VDW
4841	Q12841	145	FSKGSN Y SEILDK
4842	Q12841	152	SEILDK y fknfdn
4843	Q12841	240	ALEDET Y ADGAET
4844	Q12866	32	REEAKP Y PLFPGP
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4845	Q12866	59	LPHASGYQPALMF
4846	Q12866	123	ISVPNI Y QDTTIS
4847	Q12866	148	HAITQFYPDDEVT
4848	Q12866	173	RSDNGS Y ICKMKI
4849	Q12866	190	IVSDPI y IEVQGL
4850	Q12866	311	VPGFDG Y SPFRNC
4851	Q12866	344	SALPHL Y QIKQLQ
4852	Q12866	355	LQALANYSIGVSC
4853	Q12866	420	DGELVG y rishvw
4854	Q12866	488	AHGWVD Y APSSTP
4855	Q12866	520	LIGLIL¥ISLAIR
4856	Q12866	549	SELVVN y IAKKSF
4857	Q12866	676	ILPFMK Y GDLHTY
4858	Q12866	682	YGDLHT Y LLYSRL
4859	Q12866	685	LHTYLL Y SRLETG
4860	Q12866	713	IALGME Y LSNRNF
4861	Q12866	777	SLADRV y TSKSDV
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4862	Q12866	801	TRGMTPYPGVQNH
4863	Q12866	810	VQNHEM Y DYLLHG
4864	Q12866	812	NHEMYD Y LLHGHR
4865	Q12866	830	DCLDEL Y EIMYSC
4866	Q12866	834	ELYEIM Y SCWRTD
4867	Q12866	929	KPHEGR Y ILNGGS
4868	Q12874	149	HDCYLK Y INLKAS
4869	Q12874	196	LEYLQD Y TDRVKP
4870	Q12874	397	PIPYWL Y KLHGLN
4871	Q12888	945	PIGISN Y PESTIA
4872	Q12888	1775	PPFNKQ Y TESQLR
4873	Q12888	1843	ANQLQN y RNYLLP
4874	Q12906	690	AGYSQF Y SNGGHS
4875	Q12906	853	QGKQGG Y SQSNYN
4876	Q12906	874	SGPPSS Y QSSQGG
4877	Q12933	78	CVHEGI Y EEGISI
4878	Q12933	382	IFSPAF y TSRYGY
4879	Q12933	395	KMCLRI Y LNGDGT
4880	Q12962	97	AISNGV Y VLPSAA
		137	
4881	Q12962		PDAVTG Y YLNRAG
4882	Q12962	193	KSKDRK y TLTMED
4883	Q12968	86	LQSHKN Y EGTCEI
4884	Q12968	150	PSRDHLYLPLEPS
4885	Q12968	884	$ ext{HLQSMG}\mathbf{Y}$ $ ext{HCSNTG}$
4886	Q12972	48	IIDEKK y YLFGRN
4887	Q12972	49	IDEKKY Y LFGRNP
4888	Q12972	76	VHAALV Y HKHLKR
4889	Q12972	124	GASTRA Y TLREKP
4890	Q12972	294	GGLPMPYPNLAPD
4891	Q12972	322	APNPAVYNPEAVN
4892	Q13002	462	NDRFEG Y CIDLLR
4893	Q13002	542	LGISIL Y RKPNGT
4894	Q13002	702	KSKIST y DKMWAF
4895	Q13042	13	RKRVRQ Y LDQQQY
4896	Q13042	309	FAVGCY Y LMVGHK
4897	Q13042	333	TTLEKT Y GPAWIA
4898	Q13045	846	DVLTVD y trnaea
4899	Q13045	1129	TMFDTSYSKQVIN
4900	Q13045	1160	YDDDAE Y MKHTRL
4901	Q13049	188	KAVLQE Y GHEERR
4902	Q13049	226	VVEEQS Y LLNIAE
4903	Q13049	507	GSGVVK Y SCLCSA
4904	Q13085	693	RQSPNS Y VVIMNG
4905	Q13085	855	LHRVFH Y VLDNLV
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4906	Q13085	1758	YLTPQD Y KRVSAL
4907	Q13098	152	DTDLKN Y KGNSIK
4908	Q13098	191	YSRARD Y CTSAKH
4909	Q13098	425	SHSKIL y ardvdQ
4910	Q13115	154	ERFSSE Y PEFCSK
4911	Q13115	265	FMEAIEYIDAVKD
4912	Q13115	294	ATICLA Y LMMKKR
4913	Q13153	55	KKKDRF y rsilpg
4914	Q13153	270	GDPKKK y trfeki
4915	Q13153	330	NPNIVN Y LDSYLV
4916	Q13153	334	VNYLDS Y LVGDEL
4917	Q13153	346	LWVVME Y LAGGSL
4918	Q13153	429	TMVGTP Y WMAPEV
4919	Q13153	441	VVTRKA Y GPKVDI
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4920 Q13153 464 IBGEPPYLNENPL 4921 Q13153 474 NPLRALYLIATNG 4922 Q13163 133 DSIEDRYPRNLTE 4923 Q13163 273 VVKGLTYLWSLKI 4924 Q13163 273 VVKGLTYLWSLKI 4925 Q13164 267 LPFGKTYVHQLQL 4927 Q13164 350 HPPLARYHDPDDE 4928 Q13164 686 TPCVLPYPPPGLP 4929 Q13188 85 SPYVVKYGSYFK 4930 Q13188 101 LMIVWEYGGAGSV 4931 Q13188 101 LMIVWEYGGAGSV 4932 Q13191 73 LKNSPPYLLDILP 4933 Q13191 73 LKNSPPYLLDILP 4934 Q13191 92 RLILSKYDDNQKL 4935 Q13191 106 QLSENEYFKIYID 4936 Q13191 110 NSYFKIYIDSLMK 4937 Q13191 127 DLTCNDYISVFEF 4939 Q13191 127 DLTCNDYISVFEF 4939 Q13191 266 AVTHPGYMAFLTY 4940 Q13191 276 KARLGKYSTKFGS 4941 Q13191 276 KARLGKYSTKFGS 4942 Q13191 283 STKPGSYIFRLSC 4944 Q13191 299 GGWALGYVTGCON 4945 Q13191 337 YPDGRSYTHDFOR 4946 Q13191 337 YPDGRSYNPDLTG 4947 Q13191 360 KVTQGQYELYCEM 4948 Q13191 37 4946 Q13191 37 4947 Q13191 360 KVTQGQYELYCEM 4948 Q13191 37 4946 Q13191 37 4947 Q13191 380 KKTPGSYIFRLSC 4949 Q13191 37 4946 Q13191 37 4947 Q13191 380 KKTPGSYIFRLSC 4949 Q13191 37 4946 Q13191 37 4947 Q13191 380 KVTQGQYELYCEM 4948 Q13191 37 4947 Q13191 380 KVTQGQYELYCEM 4948 Q13191 763 LIPLISIYLKGDVF 4950 Q13191 802 NRTPSDYDLLIPP 4951 Q13217 270 AFGSGDYTAAIAF 4951 Q13217 284 LIRDGRYJDFUK 4953 Q13217 284 LIRDGRYJDFUK 4954 Q13227 27 4956 Q13227 27 4956 Q13227 27 4956 Q13227 280 BCBRTYVCNVHKH 4951 Q13263 186 AGGNVCYTROPPU 4953 Q13217 284 LIRDGRYJDFUK 4954 Q132285 199 NNFGPMYKNGRAL 4966 Q13263 133 ADMLHRPYGKNSSY 4961 Q13263 136 AGGNVCYNTOPPU 4961 Q13263 136 AGGNVCYNTOPPU 4962 Q13285 199 NNFGPMYKNGRAL 4963 Q13285 199 NNFGPMYKNGRAL 4964 Q13285 199 NNFGPMYKNGRAL 4965 Q13285 199 NNFGPMYKNGRAL 4966 Q13285 199 NNFGPMYKNGRAL 4967 Q13303 29 MYSTRYGSPFKNO 4969 Q13303 29 MYSTRYGSPFKNO 4970 Q13303 151 ERLQLEYDVVVNPO 4971 Q13300 36 EFFQLNYLOPHISL 4975 Q13310 380 AGC STVYCNYLHKH 4976 Q13310 238 AGC STVYCNYLHKH 4977 Q13310 380 AGC STVYCNYLHSL 4976 Q13310 238 AGC STVYCNYLHSL 4977 Q13310 380 AGC STVYCNYLHSL 4977 Q13310 380 AGC STVYCNYLHSL				
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4968 Q13285 409 DYTLCHYPHCGDK 4969 Q13303 29 MIYSTRYGSPKRQ 4970 Q13303 151 ERLQLEYVDVVFA 4971 Q13303 255 GIVSGKYDSGIPP 4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA				
4969 Q13303 29 MIYSTRYGSPKRQ 4970 Q13303 151 ERLQLEYVDVVFA 4971 Q13303 255 GIVSGKYDSGIPP 4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA	4967		138	PPPAPD Y VLPPSL
4969 Q13303 29 MIYSTRYGSPKRQ 4970 Q13303 151 ERLQLEYVDVVFA 4971 Q13303 255 GIVSGKYDSGIPP 4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA	4968	Q13285	409	DYTLCH Y PHCGDK
4970 Q13303 151 ERLQLEYVDVVFA 4971 Q13303 255 GIVSGKYDSGIPP 4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA				
4971 Q13303 255 GIVSGKYDSGIPP 4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA				
4972 Q13309 128 GVCKRWYRLASDE 4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA				
4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA	4971	Q13303	255	GIVSGK y DSGIPP
4973 Q13309 336 EFFQLNYLQHLSL 4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA	4972	013309	128	GVCKRW Y RLASDE
4974 Q13309 346 LSLSRCYDIIPET 4975 Q13310 54 TRRSLGYAYVNFQ 4976 Q13310 238 GFGFVSYEKHEDA				
4975 Q13310 54 TRRSLG Y AYVNFQ 4976 Q13310 238 GFGFVS Y EKHEDA				
4976 Q13310 238 GFGFVS Y EKHEDA				
4976 Q13310 238 GFGFVS Y EKHEDA	4975	Q13310	54	$\mathtt{TRRSLG}\mathbf{Y}\mathtt{AYVNFQ}$
HILLINGIMOVAR				
	4311	ÕTOOTO	302	AUTINĀ T MĀKARG

4978	Q13315	288	LFQLQI Y IHHPKG
4979	Q13315	1297	LVNILP Y FAYEGT
4980	Q13315	1508	CQTAVT Y CKDALE
4981	Q13322	15	SFLHHP Y YQDKVE
4982	Q13322	16	FLHHPY Y QDKVEQ
4983	Q13322	199	LCQLLV Y KSHCVD
			==
4984	Q13322	249	FLFRKN Y AKYEFF
4985	Q13322	252	RKNYAK Y EFFKNP
4986	013322	311	KSWKKL Y VCLRRS
4987	Q13322	320	LRRSGL Y CSTKGT
4988	Q13322	354	IAGRKQ Y NAPTDH
4989	Q13322	399	AFRLLK Y GMLLYQ
4990	Q13322	404	KYGMLL Y QNYRIP
4991		407	==
	Q13322		MLLYQN Y RIPQQR
4992	Q13322	574	IQLVDF Y QLNKGV
4993	Q13330	359	QVYIPN Y NKPNPN
4994	Q13330	402	CYTTQS Y QWYSWG
4995	Q13330	472	KTRQAF \mathbf{Y} LHTTKL
4996	Q13342	130	PDLNEI Y RSFQNV
4997	Q13342	138	SFQNVC Y EHSPLQ
4998	Q13342	160	RPRLLP Y GKQENS
	~		
4999	Q13363	76	AVGALM Y HTITLT
5000	Q13363	206	VLFYDP y LSDGVE
5001	Q13363	381	NGAAYR Y PPGVVG
5002	Q13371	17	EKLQYY Y SSSEDE
	~		
5003	Q13371	188	VIMVHI y EDGIPG
5004	Q13371	209	ICLAAE Y PAVKFC
5005	Q13404	60	GPPRTI Y ENRIYS
5006	Q13404	75	IECGPK Y PEAPPF
5007	Q13404	115	AKWQNS Y SIKVVL
5008	Q13421	346	NAIPFT Y EQLDVL
5009	Q13421	360	$ ext{HKLDEL} \mathbf{Y} ext{PQGYPE}$
5010	Q13421	448	TAFYPGYLCSLSP
5011	Q13422	205	KPHKCG Y CGRSYK
5012	Q13422	237	GLPGTL Y PVIKEE
5013	013422	293	GLSDTP Y DSSASY
5014	Q13426	66	AMEKGK Y VGELRK
5015	Q13426	129	IRELIC Y CLDTIA
5016	Q13426	229	ADRDPV y DESTDE
5017	Q13444	100	RPTLVW Y QPDGTR
5018	Q13444	119	TLENCC Y QGRVRG
5019	Q13444	126	QGRVRG Y AGSWVS
5020	Q13444	151	LTPERS Y TLEQGP
5021	Q13444	229	HSEAQK Y RDFQHL
5022	Q13444	527	HGRCASYAQQCQS
5023	Q13444	568	RNPSGSYVSCTPR
5024	Q13444	674	DSNRHCYCEEGWA
5025	Q13444	717	LGASYW Y RARLHQ
5026	Q13509	200	ENTDET Y CIDNEA
5027	Q13509	208	IDNEALYDICFRT
5028	Q13509	310	DPRHGR Y LTVATV
5029	Q13526	23	RSSGRV Y YFNHIT
5030	Q13526	24	SSGRVY Y FNHITN
5031	Q13526	92	LELINGYIQKIKS
5032	Q13535	352	LCHLLQ Y FLKFVP
5033	Q13535	1107	ASSDDP Y QGPRDI
5034	Q13535	2322	GSDGKF Y IMMCKP
5035	Q13542	34	AQLPHD Y CTTPGG

5036	Q13542	54	GGTRII Y DRKFLL
5037	Q13546	192	NGGTLY Y MAPEHL
5038	Q13546	212	TEKSDV Y SFAVVL
5039	Q13546	510	PVPETN Y LGNTPT
5040	Q13547	13	TRRKVC Y YYDGDV
5041	Q13547	336	
			YNDYFE Y FGPDFK
5042	Q13547	358	NQNTNE Y LEKIKQ
5043	Q13554	17	TDEYQL Y EDIGKG
5044	Q13554	223	EDQHKL Y QQIKAG
	~		
5045	Q13554	586	MDFHRF Y FENLLA
5046	Q13561	54	VNPNAA Y DKFKDK
5047	Q13561	81	KTKRTG Y ESGEYE
5048	Q13561	313	SKVHQL Y ETIQRW
			~ ~
5049	Q13568	30	$ t QVNSCQ \mathbf{Y} t PGLQWV$
5050	Q13568	118	PQPYKI Y EVCSNG
5051	Q13568	256	LEIKFQ Y RGRPPR
5052	Q13572	12	KGKRVG Y WLSEKK
5053	Q13572	119	IRKIEA Y MEDDRI
5054	Q13572	198	NHNAVL Y KVFVVG
5055	Q13573	44	RREPPP Y GYRKGW
5056	Q13573	433	DEIYNV Y DQAWRG
5057	Q13573	459	NLDKDM Y GDDLEA
5058	Q13601	111	KKTFDP Y IIIRAR
5059	Q13601	182	ELLTNCYIMVQGN
			~
5060	Q13601	217	KNIHPI Y NIKSLM
5061	Q13614	93	MAKDVT Y ICPFTG
5062	Q13614	302	SKEDEK y lQAIMD
5063	Q13614	371	KLKEIV Y PNIEET
5064	Q13627	40	MPHSHQ Y SDRRQP
5065	Q13627	58	QVSALS Y SDQIQQ
5066	Q13627	104	VDLIKT Y KHINEV
5067	Q13627	112	HINEVY Y AKKKRR
5068	Q13627	136	KKERKV Y NDGYDD
5069	Q13627	147	DDDNYD Y IVKNGE
5070	Q13627	220	DTEMKY Y IVHLKR
5071	Q13627	243	VFEMLS Y NLYDLL
5072	Q13627	246	MLSYNL Y DLLRNT
5073	Q13627	327	YIQSRF Y RSPEVL
5074	Q13627	338	VLLGMP Y DLAIDM
	~		
5075	Q13627	415	KDGKRE Y KPPGTR
5076	Q13627	462	ILRMLD Y DPKTRI
5077	Q13627	471	KTRIQP Y YALQHS
5078	Q13627	472	TRIQPY Y ALQHSF
5079	Q13627	633	RTRPRVYNSPTNS
5080	Q13627	680	NQGNQA Y QNRPVA
5081	Q13627	705	DVNLTV Y SNPRQE
5082	Q13627	720	IAGHPT Y QFSANT
5083	Q13627	731	NTGPAH Y MTEGHL
5084	Q13637	45	TSIIKR Y VHQLFS
5085	Q13637	54	QLFSQH Y RATIGV
5086	Q13637	96	NMTRVY Y KEAVGA
5087	Q13671	121	SFVSSH Y ILESPG
5088	Q13671	148	VQLICA Y CHTRDI
5089	Q13671	295	RESSVG Y RVPAGS
5090	Q13671	506	LQLLRT Y SPSAQV
5091	Q13671	523	QACKLL Y MALRTQ
5092	Q13671	561	LLLEAE Y MSELLE
5093	Q13671	577	LTGEGG Y YLTSLS
	× 100/1	511	T10100-11110110

5094	Q13671	578	TGEGGY Y LTSLSA
5095	Q13671	632	HLLRVA Y QDPSSG
	Q13671		==
5096	~	676	TFGLFL Y KEQGYH
5097	Q13671	681	LYKEQG y hrlppg
5098	Q13671	698	RLPTTG Y LVYRRA
5099	Q13671	701	TTGYLV Y RRAEWP
5100	Q13765	112	ITKPDV Y KSPASD
5101	Q13765	120	SPASDT Y IVFGEA
5102	Q13769	36	TEQEGK y yseeae
			==
5103	Q13769	37	EQEGKY y seeaev
5104	Q13769	52	RDPGRD Y ELYKYT
5105	Q13769	55	GRDYEL y KYTCQE
5106	Q13769	57	DYELYK y TCQELQ
5107	Q13769	126	KQKVDA Y HLQLQN
5108	Q13769	135	QLQNLL y EVMHLQ
5109	Q13769	166	VSLEEF y keappd
		205	
5110	Q13769		KRLAEKYRECLSN
5111	Q13769	246	SLPVQE Y LFMPFD
5112	Q13769	269	HLPPPL Y VLFVQA
5113	Q13769	278	FVQATA Y GQACDK
			~ ~
5114	Q13769	365	$ extsf{VLHLTF}\mathbf{Y} extsf{VLMNLN}$
5115	Q13769	366	LHLTFYYLMNLNI
5116	Q13769	405	SVLSCL y pgdhgk
5117	Q13769	420	PNPANQ Y QFDKVG
5118	Q13769	433	ILTLSD Y VLELGH
5119	Q13769	441	LELGHP Y LWVQKL
5120	Q13769	530	TVAHED Y MELHFT
5121	Q13769	551	AGDTNL Y YMALIE
5122	Q13769	552	GDTNLY Y MALIER
5123	Q13769	573	VVLNPG Y SSIPPV
5124	Q13769	609	GEVNVC Y KELCGP
5125	Q13769	673	RMKPFK Y NHPQGF
5126	Q13829	110	LMAEAK Y YLIQGL
5127	Q13829	230	CCTSIV Y ATEKKQ
5128	Q13829	300	RIHVKR y STYDDR
5129	Q13882	127	TQAVRH y KIWRRA
5130	Q13882	154	LPELVN y hraQSL
5131	Q13882	201	RKLGSG Y FGEVFE
5132	Q13882	251	KHILAL Y AVVSVG
5133	Q13882	261	SVGDPV Y IITELM
5134	Q13882	302	VAEGMC Y LESQNY
5135	Q13882	308	YLESQN Y IHRDLA
5136	Q13882	364	ALSRGH Y STKSDV
5137	Q13882	388	SRGQVP Y PGMSNH
5138	Q13882	404	LRVDAG y rmpcpl
5139	Q13884	155	DQTQAL Y VGDAIL
5140	Q13884	448	
			ISTACTYKNQECR
5141	Q13884	483	TIIQSP Y EKLKMS
5142	Q13905	61	${\tt RFLPEG}{\bf Y}{\tt PLPLDL}$
5143	Q13905	106	VVSALR y fktivd
5144	Q13905	155	SALSSCYSRVYQS
5145	Q13905	159	SCYSRV Y QSLANL
5146	Q13905	341	SGGSHS Y GGESPR
5147	Q13905	386	CETLDH Y DPDYEF
5148	Q13905	390	DHYDPD Y EFLQQD
5149	Q13905	478	SGCRVS Y ERHPSQ
5150	Q13905	485	ERHPSQ Y DNISGE
5151	Q13905	554	NKHMLA Y MQLLED
7171	NT3303	JJ4	MIMITATHÄTTED

5152	Q13905	561	MQLLEDYSEPQPS
5153	Q13905	570	PQPSMF Y QTPQNE
5154	Q13905	579	PQNEHI Y QQKNKL
5155	Q13905	715	RKDLVL Y CEAFLT
5156	Q13905	723	EAFLTT Y RTFISP
5157	Q13905	738	LIKKLQ Y RYEKFS
5158	Q13905	740	KKLQYR y EKFSPF
5159	Q13905	857	LDAELF Y KIEIPE
5160	Q13905	891	HFNNMS Y WVRSII
5161	Q13905	929	LNNFNS Y LAILSA
5162	Q13905	957	SEGLAE Y CTLIDS
5163	Q13905	970	SSSFRA Y RAALSE
5164	Q13905	984	EPPCIP Y LGLILQ
			~
5165	Q13905	1030	CFQQAHYDMRRND
5166	Q13950	299	SSPPWS Y DQSYPS
5167	Q13950	400	YPATFT Y TPPVTS
5168	Q13950	454	GTSSGS Y QFPMVP
5169	Q14118	130	TDKGVH Y ISVSAT
5170	Q14118	157	VFSIEV Y PEDHSE
5171	Q14118	292	$ exttt{MSAQLG}\mathbf{Y}$ PVVGWH
5172	Q14118	410	TMTIPGYVEPTAV
5173	Q14118	513	DAWVGT Y FEVKIP
5174	Q14118	524	IPSDTFYDHEDTT
5175	Q14118	562	SNSQLMYGLPDSS
5176	Q14118	575	HVGKHE Y FMHATD
5177	Q14118	750	SSEDDV y LHTVIP
5178	Q14118	775	IIAMIC Y RKKRKG
5179	Q14118	831	PLPPPEYPNQSVP
			I ===
5180	Q14118	850	QDTMGE Y TPLRDE
5181	Q14118	863	DPNAPP Y QPPPPF
5182	Q14118	886	PKNMTP Y RSPPPY
5183	Q14141	115	INKEDS Y KPIVEF
5184	Q14141	129	DAQFEA Y LQEELK
5185	014141	256	
			MMRARQYPWGTVQ
5186	Q14152	32	PALDVL Y DVMKSK
5187	Q14152	72	LAKEGL Y QYKNIC
5188	Q14152	93	EDVVRA y lkmaee
5189	Q14155	113	FDANDL Y QGQNFN
5190	Q14155	314	SSANIS Y LMGNLE
5191	Q14155	364	KTLYLT Y CANHPS
5192	Q14164	88	KVLVME Y CSSGSL
5193	Q14164	554	DKMNFI Y KQFKKS
5194	Q14164	568	MRPGLG Y NEEQIH
5195	Q14194	145	VDITSW Y DGVREE
5196	Q14194	167	VNSFQV Y MAYKDV
5197	Q14194	431	HKSAVE Y NIFEGM
5198	Q14207	142	ELLTLP Y LSGQFT
5199	Q14207	171	SDPSRSYFVVVNH
5200	Q14207	849	VSKDGG Y IQLMPA
5200	Q14247	48	
			QATEYE Y LDYDFL
5202	Q14242	51	EYEYLD Y DFLPET
5203	Q14242	357	MYPVRN Y SPTEMV
5204	Q14247	84	PKASHG Y GGKFGV
5205	Q14247	104	SAVGHE Y QSKLSK
5206	Q14247	154	HASQKD Y SSGFGG
			I
5207	Q14247	162	SGFGGK Y GVQADR
5208	Q14247	178	SAVGFD Y QGKTEK
5209	Q14247	191	HESQRD Y SKGFGG

5210	Q14247	199	KGFGGK Y GIDKDK
5211	Q14247	215	SAVGFE Y QGKTEK
5212	Q14247	228	HESQKD Y VKGFGG
5213	Q14247	265	HESQKD Y KTGFGG
			==
5214	Q14247	289	AAVGFD Y KEKLAK
5215	Q14247	302	HESQQD Y SKGFGG
5216	Q14247	310	KGFGGK Y GVQKDR
			==
5217	Q14247	334	TQVSSA Y QKTVPV
5218	Q14247	433	FKAELS Y RGPVSG
5219	Q14247	464	SQQGLA Y ATEAVY
		479	~~
5220	Q14247		AEAPGH Y PAEDST
5221	Q14247	501	ITAVAL Y DYQAAG
5222	Q14247	503	AVALYD Y QAAGDD
		538	
5223	Q14247		GVCKGR Y GLFPAN
5224	Q14289	46	ILKVCF Y SNSFNP
5225	Q14289	90	IRLAEC Y GLRLKH
5226	Q14289	118	
			GEVQDK Y ECLHVE
5227	Q14289	129	VEAEWR y dlqiry
5228	Q14289	153	DRTTLL y fyqqlr
5229	Q14289	155	TTLLYF Y QQLRND
5230	Q14289	162	QQLRND Y MQRYAS
5231	Q14289	166	NDYMQR Y ASKVSE
5232	Q14289	238	QQTFQQ Y ASLREE
5233	Q14289	265	NIDQETYRCELIQ
5234	Q14289	351	ADLIDG Y CRLQGE
5235	Q14289	418	RPGGPQ Y GIARED
5236	Q14289	440	
			GFFGEV Y EGVYTN
5237	Q14289	444	EVYEGV Y TNHKGE
5238	Q14289	505	WIIMEL Y PYGELG
5239	Q14289	507	IMELYP Y GELGHY
5240	Q14289	513	YGELGH Y LERNKN
5241	Q14289	529	VLTLVL y SLQICK
5242	Q14289	539	ICKAMA Y LESINC
5243	Q14289	573	DFGLSR Y IEDEDY
5244	Q14289	655	LCPPVL Y TLMTRC
5245	Q14289	664	MTRCWD Y DPSDRP
5246	Q14289	683	CSLSDV Y QMEKDI
5247	Q14289	906	QLPPEG Y VVVKN
5248	Q14315	1129	PTEPGE Y TINILF
5249	Q14315	2373	GSCGVS Y VVQEPG
			~
5250	Q14315	2692	HMGNRV Y NVTYTV
5251	Q14344	44	LSREKT y vkrlvk
5252	Q14344	89	EFRPTI Y SNVIKG
5253	Q14344	145	TRVFLQYLPAIRA
			~
5254	Q14393	523	TERGSF Y PGSGFA
5255	Q14393	531	GSGFAF Y SLDYMR
5256	Q14393	683	APVTAF Y RGCMTL
5257	Q14457	328	GLKFQR Y RLVPYG
			==
5258	Q14457	394	TRFCLP Y RMDVEK
5259	Q14457	413	GGSGGS Y SIKTQF
5260	Q14493	95	NKEMAR Y KRKLLI
5261	Q14493	144	RQKQIN Y GKNTIA
5262	Q14493	151	GKNTIA Y DRYIKE
5263	Q14498	15	AMLEAP Y KKDENK
5264	Q14498	293	TGRSKG Y GFITFS
5265	Q14498	475	SAQGNV Y VKCPSI
5266	Q14511	106	APRDTI Y QVPPSY
5267	Q14511	189	HTTQGV Y DIPPSS
	2		

5268	Q14511	711	RQLLCF Y YDQCET
5269	Q14524	339	GTCPEGYRCLKAG
	Q14524	774	
5270			IIALDP Y YYFQQG
5271	Q14524	1426	GWMDIMYAAVDSR
5272	Q14526	71	LAASSA Y LKSLVV
5273	Q14526	437	SFGDNLYVCIPCG
5274	Q14526	576	$ exttt{MRFTRQ}\mathbf{Y} exttt{RLTEHM}$
5275	Q14527	13	RDPVWK Y LQTVQY
5276	Q14527	19	YLQTVQ Y GVHGNF
5277	Q14527	30	NFPRLS Y PTFFPR
5278	Q14527	72	$HVVGLR\mathbf{Y}YTGVVN$
5279	Q14527	73	VVGLRY Y TGVVNN
5280	Q14527	93	RDPNNP Y DKNAIK
5281	Q14527	121	LAGALA Y IMDNKL
5282	Q14527	271	EQRNDL Y YNTITN
5283	Q14527	272	QRNDLY Y NTITNF
5284	Q14527	332	NLLKKE Y NVNDDS
5285	Q14527	394	RKTAVQ Y IESSDS
5286	Q14527	507	DVHLNF Y VYYGPD
5287	Q14527	509	HLNFYV Y YGPDRI
5288	Q14527 Q14527	510	
			LNFYVY Y GPDRIR
5289	Q14527	531	DIVLTTYNILTHD
5290	Q14527	538	NILTHD Y GTKGDS
5291	Q14527	678	DEERKI Y QSVKNE
5292	Q14527	692	RATIGR Y FNEGTV
5293	Q14527	702	GTVLAH Y ADVLGL
5294	Q14527 Q14527	720	
	~		QICCHTYLLTNAV
5295	Q14653	64	AEATGA Y VPGRDK
5296	Q14653	210	FEVTAF Y RGRQVF
5297	Q14653	408	SLTSDQ Y KAYLQD
5298	Q14654	26	DPAEPR y rarqrr
5299	Q14654	268	DANSPLYDLAPSD
5300	Q14654	326	AEEDGR Y SVDYSK
5301	Q14671	469	VTPWGVYPASLFQ
5302	Q14671	717	TGSSDL Y KRTSSS
5303	Q14671	819	SSSRLR Y GMSDVM
5304	014674	383	LRDDGV Y GGSSKQ
5305	Q14674	973	ETSFLD Y GENLVQ
5306	Q14674	2091	PGAPLL Y YVNQAR
5307	Q11671 Q14676	130	ADLLCQYHRLDVS
	~		
5308	Q14676	1968	FLPPDE Y VVTDPE
5309	Q14676	2025	SCCGGTYLPSMPR
5310	Q14678	39	VETPYG Y QLDLDF
5311	Q14678	216	HQLQNG Y QGNGDY
5312	Q14678	826	MTGLDH Y IERIQK
5313	Q14680	10	YDELLK Y YELHET
5314	Q14680	11	DELLKYYELHETI
5315	Q14680	73	QHICQL Y HVLETA
5316	Q14680	88	IFMVLE Y CPGGEL
5317	Q14680	97	GGELFD Y IISQDR
5318	Q14680	122	IVSAVA Y VHSQGY
5319	Q14680	128	YVHSQGYAHRDLK
5320	Q14680	143	NLLFDEYHKLKLI
5321	Q14680	174	CCGSLAYAAPELI
5322	Q14680	185	LIQGKS Y LGSEAD
5323	Q14680	200	SMGILL Y VLMCGF
5324	Q14680	218	DNVMAL Y KKIMRG
5325	Q14680	226	KIMRGK Y DVPKWL
5525	× + 1000	220	TYTIM OTY D V T TYVY

5326	Q14680	267	PWIMQD y nypvew
5327	Q14680	269	IMQDYN y pvewqs
5328	Q14680	310	LISLWQYDHLTAT
5329	Q14680	317	DHLTAT Y LLLLAK
5330	Q14680	396	TSQFTK Y WTESNG
			==
5331	Q14680	427	KNKENV Y TPKSAV
5332	Q14680	438	AVKNEE Y FMFPEP
5333	Q14680	464	LTTPNR Y TTPSKA
5334	Q14680	561	RRLKLH Y NVTTTR
5335	Q14680	594	DFVQKG Y TLKCQT
5336	Q14680	638	KGDAWV Y KRLVED
5337	Q14681	82	${ t LNVGGT}{f Y}{ t FVTTR}{ t Q}$
			==
5338	Q14681	119	KDETGA Y LIDRDP
5339	Q14681	158	LEEAEF Y NIASLV
5340	Q14683	168	GELAQE Y DKRKKE
5341	Q14683	298	NQKRPQ Y IKAKEN
5342	Q14683	516	LYPGSV Y GRLIDL
5343	Q14686	973	SNRPPG Y PSOPVE
5344	Q14686	1114	NSRKMV Y QESPQN
5345	Q14686	1221	ASPRPY Y PQTPNN
5346	Q14690	223	LLKAQE Y IRQKNK
5347	Q14690	466	VLTIKS Y GMLVKV
5348		742	
	Q14690		VKSIKD Y GVFIQF
5349	Q14694	117	GSIDCQ Y PGSALA
5350	Q14694	364	AYVETK Y SPPAIS
5351	Q14694	659	RESVQG Y TTKTKQ
5352	Q14703	285	TNNQVSYTSWFLD
5353	Q14703	628	RVLWDQ Y HNLRYP
5354	Q14703	994	GIMPGR Y NQEVGQ
5355		474	
	Q14739		YSFQAF Y LVSHPN
5356	Q14739	498	VLKLCG y VIFRGA
5357	Q14739	575	PYFYII Y FTMLLV
5358	Q14764	15	RIPPYH y ihvldQ
			==
5359	Q14764	100	QDPFPL Y PGEVLE
5360	Q14764	324	QGIQDV Y VLSEQQ
5361	014766	1060	SNLEGSYMCSCHK
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5362	Q14766	1573	LKDSDD Y AQLCNI
5363	Q14766	1704	PSDKPNYCTPLNT
5364	Q14790	101	RAQISA Y RVMLYQ
5365	Q14790	235	KSKPRG Y CLIINN
5366	Q14790	380	DSEEQPYLEMDLS
5367	Q14814	57	SNKLFQ Y ASTDMD
5368	Q14814	72	LLKYTE y nephes
5369	Q14814	337	TAYNTD Y QLTSAE
	~		==
5370	Q14847	171	PTSAPV Y QQPQQQ
5371	Q14847	186	AQSYGG Y KEPAAP
5372	Q14847	207	GGGGKR Y RAVYDY
5373	Q14865	224	RNPQIL Y CRDTFD
	~		
5374	Q14865	398	TCTRRHYERLILP
5375	Q14865	1163	LLHNSIYPLAAIN
5376	Q14934	665	SRPVQV Y FYVSNG
5377	Q14934	749	YGMPPL Y PQTGPP
5378	Q14934	792	PFPSDP Y GGRGSS
5379	Q14974	76	PDIKAQ Y QQRWLA
5380	Q14974	255	YQYMET Y MGPALF
5381	Q14974	544	NSAKDC Y PAVQKT
5382	Q14980	1433	RAEKAS y aeqlsm
5383	Q14980	1865	RLGSPD Y GNSALL
	V X 1 2 0 0	±000	1/17/001 0 = 01/01/111

S384				
S385	5384	014980	1903	PGRNSF Y MGTCOD
S386				
S387				==
5388	5386	Q14994	263	QLQEPE Y VLLAAM
5388	5387	014994	330	RSINEA Y GYOIOH
S389				
S390				DSVPGTYRKVVAA
S390	5389	015004	47	RKAENK Y AGGNPV
S391		~		
S392		~		
S393	5391	Q15005	103	VALIWDYMHPFPE
S393	5392	015005	134	T.TTYTS y kekste
S394				
S395				ILRWKQ Y EAYVQA
S395	5394	015007	193	LALOKK Y SEELKS
S396				~
S397		~		==
5398	5396	Q15020	48	AVAAAT Y KTMGPA
5398	5397	015020	110	OLSTNV y dynchv
S399				
S400				APRLAL I QAYIDF
S400	5399	Q15024	110	EIANTL Y RIFNNK
S401				FIGHDDVDCTRIG
S402				
\$403 Q15025 331 RSMKQQYEQKITE \$404 Q15025 397 LRQKVKYLQDQLS \$405 Q15025 411 LTRQREYQEKEIQ \$406 Q15025 535 KASGERYHVEPHP \$407 Q15025 548 EHLCGAYPYAYPP \$5408 Q15025 572 LCGAYPYAYPPP \$5409 Q15025 572 DWSQIRYPPPMA \$5410 Q15025 596 LFHLPEYTWRLPC \$5411 Q15027 166 RTARAGYRGRALD \$5412 Q15027 166 RTARAGYRGRALD \$5412 Q15027 485 VIINQIYEKYKD \$5413 Q15027 485 VIINQIYERVEA \$5414 Q15046 95 VNGEDPYPHKFHV \$5415 Q15046 95 VNGEDPYPHKFHV \$5415 Q15046 499 KEICNAYTEINDP \$5417 Q15050 146 WRRRWGYQRARDD \$5417 Q15050 146 WRRRWGYQRARDD \$5418 Q15054 23 QNKIVTYKWLSYT \$5419 Q15054 28 TYKWLSYTIGVHV \$5420 Q15054 344 PDSPGAYEAESPS \$5421 Q15056 12 TYDDRAYSSFGGG \$5422 Q15056 42 LPTEPPYTAYVGN \$5423 Q15056 12 LPTEPPYTAYVGN \$5424 Q15078 164 FLCRCYRLKHLS \$5425 Q15078 243 MGNEISYPLKPFL \$5426 Q15078 243 MGNEISYPLKPFL \$5427 Q15080 59 YLLYRRYRQFHAL \$5428 Q15080 112 IPALNAYMKSLLS \$5429 Q15080 244 NWLRCYYYEDTIS \$5430 Q15084 316 GGRSGGYSSGKQG \$5431 Q15084 316 AAGRNSYLEVLLK \$5433 Q15118 49 PGQVDFYARFSPS \$5434 Q15118 114 QLVQSWYLQSLQE \$5435 Q15118 163 AQGVIEYKESFGV \$5436 Q15118 179 TSQNVQYFLDRFY \$5437 Q15118 163 AQGVIEYKESFGV \$5439 Q15118 268 QPIQVYYPSHLY \$5439 Q15118 268 QPIQVYYPSHLY \$5440 Q15118 274 YVPSHLYHWYEL		~		TLCKIGYRHVVDA
\$403 Q15025 331 RSMKQQYEQKITE \$404 Q15025 397 LRQKVKYLQDQLS \$405 Q15025 411 LTRQREYQEKEIQ \$406 Q15025 535 KASGERYHVEPHP \$407 Q15025 548 EHLCGAYPYAYPP \$5408 Q15025 572 LCGAYPYAYPPP \$5409 Q15025 572 DWSQIRYPPPMA \$5410 Q15025 596 LFHLPEYTWRLPC \$5411 Q15027 166 RTARAGYRGRALD \$5412 Q15027 166 RTARAGYRGRALD \$5412 Q15027 485 VIINQIYEKYKD \$5413 Q15027 485 VIINQIYERVEA \$5414 Q15046 95 VNGEDPYPHKFHV \$5415 Q15046 95 VNGEDPYPHKFHV \$5415 Q15046 499 KEICNAYTEINDP \$5417 Q15050 146 WRRRWGYQRARDD \$5417 Q15050 146 WRRRWGYQRARDD \$5418 Q15054 23 QNKIVTYKWLSYT \$5419 Q15054 28 TYKWLSYTIGVHV \$5420 Q15054 344 PDSPGAYEAESPS \$5421 Q15056 12 TYDDRAYSSFGGG \$5422 Q15056 42 LPTEPPYTAYVGN \$5423 Q15056 12 LPTEPPYTAYVGN \$5424 Q15078 164 FLCRCYRLKHLS \$5425 Q15078 243 MGNEISYPLKPFL \$5426 Q15078 243 MGNEISYPLKPFL \$5427 Q15080 59 YLLYRRYRQFHAL \$5428 Q15080 112 IPALNAYMKSLLS \$5429 Q15080 244 NWLRCYYYEDTIS \$5430 Q15084 316 GGRSGGYSSGKQG \$5431 Q15084 316 AAGRNSYLEVLLK \$5433 Q15118 49 PGQVDFYARFSPS \$5434 Q15118 114 QLVQSWYLQSLQE \$5435 Q15118 163 AQGVIEYKESFGV \$5436 Q15118 179 TSQNVQYFLDRFY \$5437 Q15118 163 AQGVIEYKESFGV \$5439 Q15118 268 QPIQVYYPSHLY \$5439 Q15118 268 QPIQVYYPSHLY \$5440 Q15118 274 YVPSHLYHWYEL	5402	015025	1.0	RGPYRI Y DPGGSV
5404 Q15025 397 LRQKÜKYLÖDQLS 5405 Q15025 411 LTRQREYQEKEIQ 5406 Q15025 535 KASGRYHVEPHP 5407 Q15025 548 EHLCGAYPYAYPP 5408 Q15025 550 LCGAYPYAYPPMP 5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15027 166 RTARAGYRGRALD 5411 Q15027 297 QSNQLVYQKKYKD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15046 95 VINGEDPYPHKFHV 5414 Q15046 227 KDKETRYRQRYLD 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTEKNESYT 5418 Q15054 28 TYKMLSYTLGVHV 5419 Q15054 28 TYKMLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15078				
5405 Q15025 535 KASGERYHVEPHP 5406 Q15025 548 EHLCGAYPYAYPP 5408 Q15025 550 LCGAYPYAYPPMP 5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15025 596 LFHLPEYTWRLPC 5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKYKD 5413 Q15046 95 VINGEDPYPHKFHV 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETTYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15078 24 LPTEPYTAYOGN 5423 Q15078		~		
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5406 Q15025 535 KASGERYHVEPHP 5407 Q15025 548 EHLCGAYPYAYPPP 5408 Q15025 550 LCGAYPYAYPPPP 5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15025 596 LFHLPEYTWRLPC 5411 Q15027 297 QSNQLVYQKKYKD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15046 95 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 499 KEICNAYTELNDP 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078	5405	015025	411	LTROREYOEKETO
5407 Q15025 548 EHLCGAYPYAYPPP 5408 Q15025 550 LCGAYPYAYPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP				
5408 Q15025 550 LCGAYPYAYPPMP 5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15025 596 LFHLPEYTWRLPC 5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 12 TYDDRAYSSFGGG 5423 Q15056 12 LPTEPPYTAYVGN 5424 Q15078 243 VLLTCLYLSYSYM 5425 Q15078 <				KASGERYHVEPHP
5408 Q15025 550 LCGAYPYAYPPMP 5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15025 596 LFHLPEYTWRLPC 5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 12 TYDDRAYSSFGGG 5423 Q15056 12 LPTEPPYTAYVGN 5424 Q15078 243 VLLTCLYLSYSYM 5425 Q15078 <	5407	015025	548	EHLCGA Y PYAYPP
5409 Q15025 572 DWSQIRYPPPPMA 5410 Q15025 596 LFHLPEYTWRIPC 5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGYHV 5420 Q15054 28 TYKWLSYTLGYHV 5421 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 164 FLCRRCYRLKHLS 5424 Q15078 231 VLLTCLYLSYSYM 5425 Q15078 243 WGNEISYPLKPFL 5427 Q15080				
5410 Q15025 596 LFHLPEYTWRLPC 5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5422 Q15056 12 TYDDRAYSFGGG 5421 Q15056 12 TYDDRAYSFGGG 5422 Q15078 42 LPTEPPYTAYVGN 5423 Q15078 231 VLLTCLYLSYSYM 5424 Q15078 231 VLLTCLYLSYSYM 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 <		~		
5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 164 FLCRCYRLKHLS 5424 Q15078 243 MGNEISYPLKPFL 5425 Q15078 243 MGNEISYPLKPFL 5428 Q15080 59 YLIYRRYQFHAL 5429 Q15080 <t< td=""><td>5409</td><td>Q15025</td><td>572</td><td>DWSQIRYPPPPMA</td></t<>	5409	Q15025	572	DWSQIRYPPPPMA
5411 Q15027 166 RTARAGYRGRALD 5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 164 FLCRCYRLKHLS 5424 Q15078 243 MGNEISYPLKPFL 5425 Q15078 243 MGNEISYPLKPFL 5428 Q15080 59 YLIYRRYQFHAL 5429 Q15080 <t< td=""><td>5410</td><td>015025</td><td>596</td><td>I.FHI.PEYTWRI.PC</td></t<>	5410	015025	596	I.FHI.PEYTWRI.PC
5412 Q15027 297 QSNQLVYQKKYKD 5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTEINDP 5417 Q15050 146 WRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKWLSYTLGVHV 5421 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 12 TYDDRAYSFGGG 5423 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 24 LKEALTYDGALLG 5424 Q15078 231 VLLTCLYLSYSYM 5425 Q15078 231 VLLTCLYLSYSYM 5426 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 12 IPALNAYMKSLLS 5429 Q15080				
5413 Q15027 485 VIINQIYEARVEA 5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 42 LPTEPPYTAYVGN 5424 Q15078 164 FLCRCYRLKHLS 5424 Q15078 243 MGNEISYPLKPFL 5425 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5430 Q15084 252 GESPVDYDGGRTR 5431 Q15084 <t< td=""><td></td><td></td><td></td><td></td></t<>				
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5414 Q15046 95 VNGEDPYPHKFHV 5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15056 12 TYDDRAYSSFGGG 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15076 42 LPTEPPYTAYVGN 5424 Q15078 164 FLCRCYRIKHLS 5425 Q15078 231 VLLTCLYLSYSYM 5426 Q15078 243 MGNEISYPLKFFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 12 IPALNAYMKSLLS 5430 Q15084 146 GGRSGYSSGKQG 5431 Q15084 <td< td=""><td>5413</td><td>015027</td><td>485</td><td>VIINOIVEARVEA</td></td<>	5413	015027	485	VIINOIVEARVEA
5415 Q15046 227 KDKETRYRQRYLD 5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 28 TYKDRAYSFGGG 5421 Q15056 12 TYDDRAYSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 42 LPTEPPYTAYVGN 5424 Q15078 164 FLCRRCYRLKHLS 5425 Q15078 243 MGNEISYPLKPFL 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 12 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGYSGKQG 5431 Q15084 2		~		
5416 Q15046 499 KEICNAYTELNDP 5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15056 42 LPTEPPYTAYVGN 5424 Q15078 164 FLCRRCYRLKHLS 5425 Q15078 231 VLLTCLYLSYSYM 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 112 IPALNAYMKSLLS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLLK 5433 Q15118		~		VNGEDPYPHKFHV
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5417 Q15050 146 WRRRWGYQRARDD 5418 Q15054 23 QNKIVTYKWLSYT 5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15056 101 LKEALTYDGALLG 5424 Q15078 243 VLLTCLYLSYSYM 5425 Q15078 243 WGNEISYPLKPFL 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118		~		==
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5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 164 FLCRRCYRLKHLS 5424 Q15078 231 VLLTCLYLSYSYM 5425 Q15078 243 MGNEISYPLKPFL 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 14 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118	541/	Q15050	146	WRRRWG Y QRARDD
5419 Q15054 28 TYKWLSYTLGVHV 5420 Q15054 344 PDSPGAYEAESPS 5421 Q15056 12 TYDDRAYSSFGGG 5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15078 164 FLCRRCYRLKHLS 5424 Q15078 231 VLLTCLYLSYSYM 5425 Q15078 243 MGNEISYPLKPFL 5426 Q15078 243 MGNEISYPLKPFL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 14 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118	5418	015054	23	ONKIVT y KWLSYT
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5422 Q15056 42 LPTEPPYTAYVGN 5423 Q15056 101 LKEALTYDGALLG 5424 Q15078 164 FLCRRCYRLKHLS 5425 Q15078 231 VLLTCLYLSYSYM 5426 Q15078 243 MGNEISYPLKPFL 5426 Q15080 59 YLIYRRYRQFHAL 5427 Q15080 59 YLIYRRYRQFHAL 5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 14 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 <t< td=""><td>5421</td><td>015056</td><td>12</td><td>TYDDRAYSSFGGG</td></t<>	5421	015056	12	TYDDRAYSSFGGG
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5428 Q15080 112 IPALNAYMKSLLS 5429 Q15080 244 NWLRCYYYEDTIS 5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 114 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL				
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5430 Q15084 146 GGRSGGYSSGKQG 5431 Q15084 252 GESPVDYDGGRTR 5432 Q15084 316 AAGRNSYLEVLLK 5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 114 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL	5429	015080	244	NWLRCY Y YEDTIS
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5433 Q15118 49 PGQVDFYARFSPS 5434 Q15118 114 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL	5432	015084	316	AAGRNS Y I.EVI.I.K
5434 Q15118 114 QLVQSWYIQSLQE 5435 Q15118 163 AQGVIEYKESFGV 5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL				
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5436 Q15118 179 TSQNVQYFLDRFY 5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL				
5437 Q15118 185 YFLDRFYMSRISI 5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL				==
5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL	5436	Q15118	17/9	TSQNVQ Y FLDRFY
5438 Q15118 233 EVIKDGYENARRL 5439 Q15118 268 QPIQVVYVPSHLY 5440 Q15118 274 YVPSHLYHMVFEL	5437	015118	185	YFLDRF y msrtst
5439 Q15118 268 QPIQVV Y VPSHLY 5440 Q15118 274 YVPSHL Y HMVFEL				
5440 Q15118 274 YVPSHL Y HMVFEL				
5440 Q15118 274 YVPSHL Y HMVFEL	5439	Q15118	268	QPIQVV Y VPSHLY
5441 Q15118 298 HANRGV Y PP1QVH				
	5441	Q15118	298	HANRGVYPPIQVH

5442	Q15118	334	IDRLFN Y MYSTAP
5443	Q15118	336	RLFNYM Y STAPRP
5444	Q15118	357	PLAGFGYGLPISR
5445	Q15118	365	LPISRL Y AQYFQG
5446	Q15118	368	SRLYAQ Y FQGDLK
5447	Q15118	376	QGDLKL Y SLEGYG
5448	Q15118	381	LYSLEG Y GTDAVI
5449	Q15118	388	GTDAVI Y IKALST
5450	Q15118	403	IERLPV Y NKAAWK
5451	Q15118	411	KAAWKHYNTNHEA
5452	Q15139	72	QDSSGD Y SLAHVR
5453	Q15139	98	CGFYGMYDKILLF
5454	Q15139	154	ALFVHS Y RAPAFC
5455	Q15139	184	EGCGLN Y HKRCAF
5456	Q15139	252	RSNSQS Y IGRPIH
			I ==
5457	Q15139	278	TFVIHSYTRPTVC
5458	Q15139	286	RPTVCQ Y CKKLLK
5459	Q15139	443	TLRKRH Y WRLDSK
5460	Q15139	462	NDTGSR Y YKEIPL
5461	Q15139	501	TTANVV Y YVGENV
5462	Q15139	581	VDISTV Y QIFPDE
5463			
	Q15139	598	GQFGIV Y GGKHRK
5464	Q15139	760	VLRNKG Y NRSLDM
5465	Q15139	774	SVGVII Y VSLSGT
5466	Q15139	800	QNAAFM Y PPNPWK
5467	Q15139	828	~ VKMRKR Y SVDKTL
5468	Q15139	842	HPWLQD Y QTWLDL
5469	Q15139	859	CKIGERYITHESD
5470	Q15139	872	DLRWEK Y AGEQGL
5471	Q15139	880	GEQGLQ Y PTHLIN
5472	Q15147	312	LDRLEL Y QEMDHP
5473	Q15147	322	DHPLAH Y FISSSH
5474	Q15147	775	VLRIAV Y DDNNKL
5475	Q15147 Q15149	795	
			TAKKESYSALMRE
5476	Q15149	3779	GLASYD Y VRRRLT
5477	Q15149	4393	VGSSSSYPISPAV
5478	Q15185	9	PASAKW Y DRRDYV
5479	Q15185	14	WYDRRD Y VFIEFC
5480	Q15208	192	EEETQF Y IAETVL
5481	Q15208	331	ETPQET Y KKVMNW
5482	Q15208	443	DWVFIN Y TYKRFE
5483	Q15287	184	MEIFST Y GKIKMI
5484	Q15287	205	PHLSKG Y AYVEFE
5485	Q15287	207	LSKGYA Y VEFENP
5486	Q15291	165	FDRRGE Y IYTGNA
5487	Q15291	225	DRIIRVYDGREIL
5488	Q15291	416	DPEENP Y GPPPDA
5489	Q15293	127	AKVWKDYDRDKDD
5490	Q15293	290	EARHLV Y ESDKNK
5491	Q15293	320	GSQATN Y GEDLTK
5492	Q15303	46	SDLEQQ y ralrky
5493	Q15303	52	YRALRK Y YENCEV
5494	Q15303	86	VREVTG Y VLVALN
5495	Q15303 Q15303	96	
			ALNQFRYLPLENL
5496	Q15303	111	IRGTKL Y EDRYAL
5497	Q15303	115	KLYEDR y alaifl
5498	Q15303	148	ILNGGV Y VDQNKF
5499	Q15303	285	FNAKYT Y GAFCVK
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5500	Q15303	378	GIHGDP Y NAIEAI
5501	Q15303	429	IGGRVL Y SGLSLL
5502	Q15303	468	DNSNLCYYHTINW
5503	Q15303	469	NSNLCY Y HTINWT
5504	Q15303	636	SHDCIYYPWTGHS
5505	Q15303	733	GAFGTV Y KGIWVP
5506	Q15303	807	HGCLLE Y VHEHKD
5507	Q15303	921	TFGGKPYDGIPTR
5508	Q15303	950	ICTIDV y MVMVKC
5509	Q15303	984	ARDPQR Y LVIQGD
5510	Q15303	1081	QGVSVP Y RAPTST
5511	Q15303	1128	DSSTQR Y SADPTV
5512	Q15303	1221	TLGKAEYLKNNIL
5513	Q15303	1262	
			PDYLQE Y STKYFY
5514	Q15303	1266	QEYSTK Y FYKQNG
5515	Q15303	1268	YSTKYF Y KQNGRI
5516	Q15334	261	SHSDGS Y AVWSVD
5517	Q15334	283	TVATTP Y GPFPCK
5518		873	
	Q15334		SVACED¥AETCLA
5519	Q15370	45	PDEQRL Y KDDQLL
5520	Q15398	39	ENRHKE Y ERNRHF
5521	Q15398	123	IFKVGR Y RPDMPC
5522	Q15398	323	LDGLKT Y QVTPMT
5523	Q15424	429	==
			KNLFSK Y GKVVGA
5524	Q15424	736	AALDERYHSDFNR
5525	Q15424	801	RDGWGG Y GSDKRM
5526	Q15427	69	SEEDAD Y AIKIMN
5527	Q15427	80	MNMIKL Y GKPIRV
5528	Q15427	117	IDEKLL Y DTFSAF
5529	Q15428	45	DINKDP Y FMKNHL
5530	Q15428	117	KIGRPG y KVTKQR
5531	Q15428	138	LLFQID Y PEIAEG
5532	Q15485	162	YRDWAT Y KQGFGS
5533	Q15485	202	VDFEDN Y QFAKYR
5534	Q15485	219	ADEAEK Y NLVLGA
5535	Q15545	86	IDKKTF Y KTADIC
5536	Q15545	104	TVDGDL y ppveep
5537	Q15545	156	KTAKKK y iespdv
5538	Q15554	102	RWVLKF Y FHEALR
5539	Q15554	256	
			VIQNFSYETFQQK
5540	Q15554	519	AAISKN y PFVNRT
5541	Q15637	52	REQERA Y IVQLQI
5542	Q15637	129	FKPPAD Y KPPATR
5543	Q15637	450	PPPMDQ Y LGSTPV
5544	Q15648	191	SKMAIM Y WKATNA
5545	Q15648	340	PTYAPL Y ELITQF
5546	Q15648	417	IRHQVA Y NTLIGS
5547	Q15653	53	APLVFG Y VTEDGD
5548	Q15653	114	STVEKL y aagagl
5549	Q15653	326	GDEGDE Y DDIVVH
5550	Q15654	123	RPDRQA Y EPPPPP
5551	Q15654	131	PPPPPA Y RTGSLK
5552	Q15654	149	PLPASP Y GGPTPA
5553	Q15654	157	GPTPAS Y TTASTP
5554	Q15654	213	EVWGPG Y RSQREP
5555	Q15654	275	==
			HPPSGE Y FGQCGG
5556	Q15654	320	LRGQHF Y AVERRA
5557	Q15654	327	AVERRA Y CEGCYV
	·		

S558				
S559	5558	015654	332	AYCEGC Y VATLEK
S560				
S561		~		
S562	5560	Q15654	430	SFHIGCYKCEECG
S562	5561	015654	449	GECOGCYPLDGHT
5564 Q15691 119				I
S564				AKLEHE Y IQNFKI
S564	5563	015691	119	KFFDAN Y DGKDYD
5565 Q15717 Q5				
S566				
S567	5565	Q15717	95	KTIKVS Y ARPSSE
S567	5566	015717	200	AT.T.SOT.VHSPARR
S568				I ===
S569				FVTMTNYEEAAMA
S569	5568	015726	112	EKDLPNYNWNSFG
S570				
S571		~		
5572	5570	Q15746	104	EEDRGKYTCEATN
5572	5571	015746	485	TRDSGTYSCTASN
5573				
S574				
S574	5573	Q15746	693	PEDTGTYTCEAWN
S575			1168	DEUBCI AKCAYKM
S576				
S577				I ==
S577	5576	015746	1353	SLTLSW Y GSSYDG
5578 Q15746 1366 GSAVQSYSIEIWD 5579 Q15746 1400 LLPPHEYKFRVRA 5580 Q15746 1410 VRAINVYGTSEPS 5581 Q15746 1464 QKVSDFYDIEERL 5582 Q15746 1498 GKFFKAYSAKEKE 5583 Q15746 1655 ERECIKYMRQISE 5584 Q15746 1652 SIGVICYILVSGL 5586 Q15746 1652 SIGVICYILVSGL 5587 Q15746 1830 KPHVKPYFSKTIR 5588 Q15746 1835 DCKREGYPDPEVV 5589 Q15746 1835 DCKREGYPDPEVV 5589 Q15746 1859 RHFQIDYDEDGNC 5590 Q15746 1880 GDDDAKYTCKAVN 5591 Q15750 250 GDYKVKYGYTDID 5591 Q15750 250 GDYKVKYGYTDID 5593 Q15750 250 GDYKVKYGYTDID 5594 Q15788 42 REQENKYLEELAE 5595				
S579				
S579	5578	Q15746	1366	GSAVQS Y SIEIWD
5580 Q15746 1410 VRAINVYGTSEPS 5581 Q15746 1464 QKVSDFYDIEERL 5582 Q15746 1498 GKFFKAYSAKEKE 5583 Q15746 1565 ERRECIKYMRQISE 5584 Q15746 1640 NYEPIGYATDMWS 5585 Q15746 1739 KDRMKKYMARRKW 5587 Q15746 1830 DCKIEGYPDPEVV 5588 Q15746 1859 RHFQIDYDEDGNC 5589 Q15746 1859 RHFQIDYDEDGNC 5590 Q15746 1880 GDDDAKYTCKAVN 5591 Q15746 1880 GDDDAKYTCKAVN 5591 Q15750 148 HQLPPQYQKILER 5592 Q15750 250 GDYKVKYGYTDID 5593 Q15750 488 VDFAEFYRLWSVD 5594 Q15788 297 LVRKCIYAFFQPQ 5596 Q15788 297 LVRKCIYAFFQPQ 5598 Q15796 279 FWCSIAYYELNUKK 5598 <td< td=""><td>5579</td><td>015746</td><td>1400</td><td>I'I'bDHEakebaba</td></td<>	5579	015746	1400	I'I'bDHE a kebaba
Description				
S582				
S582	5581	Q15746	1464	QKVSDF Y DIEERL
5583 Q15746 1565 ERECIKYMRQISE 5584 Q15746 1640 NYEPIGYATDMWS 5585 Q15746 1652 SIGVICYILVSGL 5586 Q15746 1739 KDRMKKYMARRKW 5587 Q15746 1830 KPHVKPYFSKTIR 5588 Q15746 1835 DCKIEGYPDPEVV 5589 Q15746 1880 GDDDAKYTCKAVN 5590 Q15746 1880 GDDDAKYTCKAVN 5591 Q15750 148 HQLPPQYQKILER 5592 Q15750 250 GDYKVKYGYTDID 5593 Q15750 488 VDFAEFYRLWSVD 5594 Q15788 42 REQENKYLEELAE 5595 Q15788 297 LVRKCIYAFFQPQ 5596 Q15788 991 EERPNLYSQPYSS 5597 Q15796 225 ETPPPGYISEDGE 5599 Q15796 279 FWCSIAYYELNQR 5600 Q15831 261 FEGDNIYKLFENI 5602 Q1583				
5584 Q15746 1640 NYEPIGYATDMWS 5585 Q15746 1652 SIGVICYILVSGL 5586 Q15746 1739 KDRMKKYMARRKW 5587 Q15746 1810 KPHVKPYFSKTIR 5588 Q15746 1835 DCKIEGYPDPEVV 5589 Q15746 1880 GDDDAKYTCKAVN 5590 Q15746 1880 GDDDAKYTCKAVN 5591 Q15750 250 GDYKVKYGYTDID 5592 Q15750 250 GDYKVKYGYTDID 5593 Q15750 488 VDFAEFYRLWSVD 5593 Q15788 42 REQENKYLEELAE 5594 Q15788 42 REQENKYLEELAE 5595 Q15788 297 LVRKCIYAFFQPQ 5596 Q15788 991 EERPNLYSQPYSS 5597 Q15796 225 ETPPPGYISEDGE 5599 Q15796 279 FWCSIAYYELNQR 5600 Q15831 261 LIGMLEYEPAKRF 5603 Q15835<		~		
S585	5583	Q15746	1565	ERECIKYMRQISE
S585	5584	015746	1640	NYEPTGYATDMWS
S586				
5587 Q15746 1810 KPHVKPYFSKTIR 5588 Q15746 1835 DCKIEGYPDPEVV 5589 Q15746 1859 RHFQIDYDEDGNC 5590 Q15746 1880 GDDDAKYTCKAVN 5591 Q15750 148 HQLPPQYQKILER 5592 Q15750 250 GDYKVKYGYTDID 5593 Q15750 488 VDFAEFYRLWSVD 5594 Q15788 42 REQENKYLEELAE 5595 Q15788 297 LVRKCIYAFFQPQ 5596 Q15788 991 EERPNLYSQPYSS 5597 Q15796 225 ETPPPGYISEDGE 5598 Q15796 279 FWCSIAYYELNQR 5600 Q15831 166 LIDGLEYLHSQGI 5601 Q15831 261 FEGDNIYKLFENI 5602 Q15831 292 LKGMLEYEPAKRF 5603 Q15835 35 PSRDKKYLAKLKL 5604 Q15835 480 PDSKTVYAKDIQD 5606 Q15848 <td></td> <td></td> <td></td> <td></td>				
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5614 Q15910 520 SNHVYN Y QPCDHP	5613	Q15910	518	GSSNHV Y NYQPCD
DOLD QID942 425 LQGQQFYSLEGAP				
	2012	Q15942	425	TÕGÕÕE X STEGAL

5616	Q15942	496	PHCVPD Y HKQYAP
5617	Q15942	500	PDYHKQ Y APRCSV
5618	Q16236	46	SQRRKE Y ELEKQK
5619	Q16236	366	SVESSS Y GDTLLG
5620	Q16236	576	DEDGKP Y SPSEYS
5621	Q16270	117	CVCKSR Y PVCGSD
5622	Q16270	178	VTGAQV Y LSCEVI
5623	Q16270	201	KVKRĞH Y GVQRTE
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5624	Q16401	236	MVTSLA Y THHGRQ
5625	Q16401	243	THHGRQ \mathbf{Y} LAQEGV
5626	Q16401	490	YLSEGP Y YVKPVS
5627	Q16512	369	RPARGL Y SRSGSL
5628	Q16512	768	CKEGMG Y GDRTST
5629	Q16512	834	VNDEVR y prflsa
5630	Q16513	273	KLDLLK y sleqrl
5631	Q16513	436	ELEISV y wrdwrs
5632	Q16513	635	PQSGLE Y SGIQEL
5633	Q16518	275	SLWGAN Y MDCFES
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5634	Q16518	299	DKKRKK Y LNNKYR
5635	Q16518	431	KYCGKP Y TYAYGL
5636	Q16566	135	RIVEKG Y YSERDA
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5637	Q16566	136	IVEKGY Y SERDAA
5638	Q16566	218	ILRGCA Y GPEVDM
5639	Q16581	174	NHNRCGYKFGLSS
5640	Q16581	184	LSSSLD Y PDFYGD
5641	Q16581	318	QGFQDY Y NLGQFT
5642	Q16584	332	DCLAVA Y GVAVNK
5643	Q16584	591	MDEATWYLDSDDS
5644	Q16623	134	VEVMSE Y NATQSD
5645	Q16623	235	MIDRIEYNVEHAV
5646	Q16623	243	VEHAVD Y VERAVS
5647	Q16625	22	EFKPNH Y APSNDI
5648	Q16625	29	APSNDI Y GGEMHV
5649	Q16625	104	LGGSVG Y PYGGSG
5650	Q16625	106	GSVGYP Y GGSGFG
5651			
	Q16625	120	YGSGYG Y GYGYGY
5652	Q16625	126	YGYGYG Y GYGGYT
5653	Q16625	128	YGYGYG Y GGYTDP
5654	Q16625	131	GYGYGG Y TDPRAA
	~		
5655	Q16625	171	MSRTRR Y YLSVII
5656	Q16625	172	SRTRRY Y LSVIIV
5657	Q16625	193	FIATIV Y IMGVNP
5658	Q16625	213	LYGSQI Y ALCNQF
			I
5659	Q16625	228	PAATGL Y VDQYLY
5660	Q16625	232	GLYVDQ Y LYHYCV
5661	Q16625	234	YVDQYL Y HYCVVD
			I
5662	Q16625	236	DQYLYH Y CVVDPQ
5663	Q16625	274	RRKMDR Y DKSNIL
5664	Q16625	287	WDKEHIYDEQPPN
5665	Q16625	315	
			PSPPSD Y VERVDS
5666	Q16625	342	FYPESS Y KSTPVP
5667	Q16625	443	DTGLQE Y KSLQSE
5668	Q16625	474	REESEE¥MAAADE
5669	Q16625	481	MAAADE Y NRLKQV
5670	Q16625	493	VKGSAD Y KSKKNH
5671	Q16637	43	TALIKA Y DKAVAS
5672	Q16637	130	VVVYTG Y GNREEQ
5673	Q16637	268	SMLISW Y MSGYHT

5674	Q16643	32	AADWAL Y TYEDGS
5675	Q16643	65	ENQKVM Y GFCSVK
		597	
5676	Q16643		TQASEG Y FSQSQE
5677	Q16655	10	EDAHFI Y GYPKKG
5678	Q16655	21	KGHGHS Y TTAEEA
5679	Q16655	104	PNAPPA Y EKLSAE
5680	Q16656	32	QVHVAT y TEHSML
5681	Q16656	159	ENVVRK Y KSMILE
5682	Q16656	270	TIVKNC Y KQHGRE
5683	Q16658	23	INCGNK Y LTAEAF
5684	Q16658	152	SVTRKR y ahlsar
5685	Q16658	458	FFEFCD Y NKVAIK
5686	Q16659	110	VYIVQE Y METDLA
			==
5687	Q16659	209	LLSPNNYTKAIDM
5688	Q16659	589	AQLEAL Y QSSWDS
5689	Q16665	119	SDNVNK y MGLTQF
5690	Q16665	340	CIVCVN Y VVSGII
5691	Q16665	659	SATSSP y rdtqsr
5692	Q16666	43	LKMREE Y DKIQIA
			~
5693	Q16666	645	NGFLEVYPFTLVA
5694	Q16666	705	RGEFTY Y EIQDNT
5695	Q16695	42	VKKPHR Y RPGTVA
5696	Q16695	55	LREIRR Y QKSTEL
5697	Q16695	100	QEACES Y LVGLFE
5698	Q16719	86	PKMVKT Y LEEELD
5699	Q16719	261	VGNVEL Y LHDWGV
5700	Q16719	376	YLIKHN Y GKDKAA
5701	Q16773	15	RLDGID Y NPWVEF
5702	Q16773	63	DFMLNQ Y TKTFGY
5703	Q16773	338	IIPQGS Y FLITDI
5704	Q16790	143	DQSHWR Y GGDPPW
5705	Q16790	220	LGPGRE Y RALQLH
5706	Q16790	289	PEENSA Y EQLLSR
5707	Q16790	324	PSDFSR Y FQYEGS
5708	Q16790	327	FSRYFQ Y EGSLTT
5709	Q16832	32	NPAICR Y PLGMSG
5710	Q16832	60	ESTAAK Y GRLDSE
5711	Q16832	118	IEFAPM Y KINYSR
5712	Q16832	122	PMYKIN Y SRDGTR
5713	Q16832	148	DGNSNP Y DIFLKD
5714	Q16832	194	LDGLVS Y NAPAGQ
5715	Q16832	211	PGGSII Y LNDSVY
5716	Q16832	217	YLNDSV Y DGAVGY
5717	Q16832	248	FTQTHE Y HVWPGY
5718	Q16832	254	YHVWPG Y DYVGWR
5719	Q16832	256	VWPGYD Y VGWRNE
5720	Q16832	268	ESATNG Y IEIMFE
5721	Q16832	305	FKEVQC Y FRSEAS
			~
5722	Q16832	350	SAIKCQYHFADTW
5723	Q16832	371	QSDAAM Y NNSEAL
5724	Q16832	387	$ exttt{PMAPTT}\mathbf{Y} exttt{DPMLKV}$
5725	Q16832	481	FPLRPD Y QEPSRL
5726	Q16832	538	VTGGNT Y SVPAVT
5727	Q16832	656	LCMITEYMENGDL
5728	Q16832	684	DVRTVSYTNLKFM
5729	Q16832	700	IASGMKYLSSLNF
5730	Q16832	722	CLVGKN Y TIKIAD
5731	Q16832	789	FCQEQP Y SQLSDE
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5732	Q16832	825	ICPDSV Y KLMLSC
5733	Q16853	176	PVLFQE Y LDIDQM
5734	Q16853	270	VFYQGR Y YDSLAQ
5735	Q16853	708	GFFLRP Y NFFDED
5736	Q16875	50	PARGKT Y ISKKLT
5737		74	
	Q16875		VFNVGE Y RREAVK
5738	Q16875	237	IQSRIV Y YLMNIH
5739	Q1KMD3	677	RAYGQQ Y WGQPGN
5740	Q1KMD3	687	PGNRGG Y RNFYDR
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5741	Q1KMD3	718	RDYYRQ Y NRDWQS
5742	Q24JP5	247	PADPPQ Y QEVPLD
5743	Q24JP5	373	VTWQLE Y PGQAPE
5744	Q24JP5	851	ELEĹGM Y ALĹGVF
5745	Q2HXU8	150	PKMWQW Y QNSCYY
5746	Q2HXU8	155	${\tt WYQNSC}{\bf Y}{\tt YFTTNE}$
5747	Q2HXU8	156	YQNSCY Y FTTNEE
5748	O2HXU8	244	GSKGCA Y FQKGNI
	~		==
5749	Q2HXU8	251	FQKGNI Y ISRCSA
5750	Q2M2Z5	56	CRVKLK Y VKLKNY
5751	Q2M2Z5	153	AMSRGL Y QPATIF
5752	Q2M2Z5	328	PIPVSEYCESENK
5753	Q2NKX8	224	QEFVWD Y VILDEA
5754	Q2NKX8	529	FQQNKD Y SVFLLT
5755	Q2NKX8	678	SDHDLMYTCDLSV
5756	Q2PPJ7	959	RVFCYL Y ELWYKL
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5757	Q2PPJ7	1246	LLPSAE Y SSVETD
5758	Q2PPJ7	1470	RDISGK Y SWDGKV
5759	Q2TAY7	77	KTLIDL y eQVVLE
5760	Q2TAY7	125	NLLARS¥FDPREA
	~		_
5761	Q2TAY7	132	FDPREA Y PDGSSK
5762	Q2V2M9	178	LGQIML Y VDGMNG
5763	Q2V2M9	683	FMLDML Y AHNRKS
5764	Q2V2M9	992	ILNFDE Y ALNKEG
	~		
5765	Q3MHD2	8	AAPPGE Y FSVGSQ
5766	Q3MHD2	34	EVVAFD Y QSKMLA
5767	Q3MHD2	146	VVITPP Y QVENCK
5768	Q3SXM5	45	TVICDF Y SLIRLH
5769	Q3SXM5	133	SSGREI Y LPIREA
5770	Q3SXM5	234	FSRALQ Y EYASKG
5771	Q3V6T2	39	GTNLDE Y VALVDG
5772	Q3V6T2	332	ESEVSR y KERLHD
5773	Q3V6T2	342	LHDIEF Y KARVEE
	~		
5774	Q4G163	93	DNIDKE Y LGKKEK
5775	Q4G163	503	ILTELK y RNLKHI
5776	Q4G163	649	CQSPAK Y QPYKKR
5777	Q53EL6	131	GTPGQV Y DVEEVD
			==
5778	Q53EL6	152	DQENCV Y ETVVLP
5779	Q53EL6	278	GILCNT Y IDSYKG
5780	Q53ET0	121	VSPLRR y trhids
5781	Q53ET0	130	HIDSSPYSPAYLS
5782	Q53ET0	531	PGRQSH Y GTPYPP
5783	Q53EZ4	95	DQLKAR Y STTTLL
5784	Q53EZ4	187	NQQWLV Y DQQREV
5785	Q53EZ4	228	KPESEG Y LQEEKQ
5786	Q53FA7	16	GGPENL Y VKEVAK
5787	Q53FA7	98	GGGQAQ Y VTVPEG
5788	Q53FA7	316	IQEAHK Y MEANKN
5789	Q53GL7	30	DELLTL Y FENRRR
3103	I Annari	50	

5790	Q53GL7	914	GRNATV Y GKGVYF
5791	Q53GL7	932	LSVQDR Y SPPNAD
5792	Q53H47	192	TKSDSNYIIAIRE
5793	Q53H47	214	TFVDPT Y IGNIGR
5794	Q53H47	661	SQSTDF Y ATGINQ
5795	Q53HL2	54	
			KEVDNL Y NIEILR
5796	Q53HL2	73	EMNWLD Y FALGGN
5797	Q53HL2	212	AAGERI Y NISGNG
5798	Q5FBB7	57	STLLKN Y QDNNKM
5799	Q5FBB7	91	==
	~		LRKECY Y LTCQLY
5800	Q5FBB7	382	DDSDDL Y LPTCKY
5801	Q5FYB1	17	${ t SLLSFGYLSWDWA}$
5802	Q5FYB1	248	LQSPRE y lyryrt
5803	Q5FYB1	504	TAIPVR y PAENPR
	~		
5804	Q5JRA6	312	ELDTEY Y AVGKED
5805	Q5JRA6	350	KSGVEK y PTDKEQ
5806	Q5JRA6	1155	IYSFMF Y LTKSLV
5807	Q5JVF3	9	HITINQ Y LQQVYE
5808	Q5JVF3	204	SNLKDD \mathbf{Y} STAQRV
5809	Q5JVF3	369	ILANLI Y MGHVKG
5810	Q5KSL6	237	KRWKLR Y FLVQGQ
5811			~ ~
	Q5KSL6	246	VQGQKL Y FAHHPA
5812	Q5KSL6	313	IQQGEI Y KIPAAE
5813	Q5KSL6	331	VGMHCW Y SSYSHR
5814	Q5KSL6	334	HCWYSS Y SHRTOH
5815	Q5KSL6	422	HESCGS Y QRLQDF
5816	Q5KSL6	515	LRKFKQ Y LNPSQV
5817	Q5KSL6	664	KILKAK y ptemii
5818	Q5KSL6	711	LKSDLM y drlsvl
5819	Q5KSL6	737	EKSATE Y ADSSKA
5820	Q5KSL6	861	KCVMNN Y FGIGLD
5821	Q5KSL6	885	DEHPGQ Y NSRLKN
5822	Q5KSL6	895	LKNKMW Y GLLGTK
5823	Q5KSL6	908	ELLQRS Y RKLEER
5824	Q5KSL6	940	VLNITS Y AGGINF
5825	Q5KSL6	956	NTATTE Y EAPAID
5826	Q5KSL6	1026	GLIKIR Y KNAAQM
5827	Q5KSL6	1048	SMKMWE Y KHTEIQ
5828	Q5KSL6	1075	SLSDEEYAQMQHL
5829	Q5KSL6	1121	ILNDIF Y GQDSGN
5830	Q5KSL6	1156	FSLKGL Y DDTTAF
5831	Q5SQ64	24	DNMQAI Y VALGEA
5832	Q5SQ64	89	LRLLGN Y SLWLEG
5833	Q5SQ64	104	EEDAGR Y WCAVLG
5834	Q5SQ64	115	LGQHHN Y QNWRVY
5835	Q5SQ64	121	YONWRV y DVLVLK
5836	Q5T1C6	79	WKRLPS Y KRTPTE
5837	Q5T1C6	127	FEYVMF Y NDIEKR
5838	Q5T1C6	184	ANLNIN Y KRPIPL
5839	Q5TA31	175	KKALTD Y KKLRAF
5840	Q5TAQ9	335	EKKVGL Y TIYVNP
5841	Q5TAQ9	406	TELLASYNDEDIY
5842	Q5TAQ9	424	HSDGAQ Y VKRYKG
5843	Q5VT25	151	QDDNNL Y LVMDYY
5844	Q5VT25	259	EDGKGR Y GPECDW
5845	Q5VT25	655	REQSEHYSKQLEN
5846	Q5VTD9	102	SDSPPF y kpsfsw
5847	Q5VTD9	115	DTLATT Y GHSYRQ
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5848	Q5VTD9	138	EHSVSL Y GSPLVP
5849	Q5VWQ8	17	TGRSSY Y YRLLRR
5850	Q5VWQ8	290	KKERNS Y LGLVSL
5851	Q5VWQ8	425	TKAIEE Y LKLVGQ
5852	Q5VWZ2	58	QHIKII Y PTAPPR
5853	Q5VWZ2	158	
	~		NKASAV Y QALQKS
5854	Q5VWZ2	210	HSFPNV Y HELSKT
5855	Q5VY43	72	PQPTVV Y RTVYRQ
5856	Q5VY43	76	VVYRTV y rqvvkt
			==
5857	Q5VY43	95	QCCHGF Y ESRGFC
5858	Q5VY43	182	QPCTPG Y YGPACQ
5859	Q5VY43	183	PCTPGY Y GPACQF
5860	Q5VY43	297	CRCAPG Y TGDRCR
5861	Q5VY43	355	LCPDGF Y GLSCQA
5862	Q5VY43	429	CQCAPG Y TGPHCA
5863	Q5VY43	443	LCPPDT Y GVNCSA
5864	Q5VY43	615	SCOPGR Y GKRCVP
			~
5865	Q5VY43	778	VALFIG Y RHWQKG
5866	Q5VY43	794	HHLAVA Y SSGRLD
5867	Q5VY43	804	RLDGSE Y VMPDVP
5868	Q5VY43	813	PDVPPS Y SHYYSN
5869	Q5VY43	816	PPSYSHYYSNPSY
5870	Q5VY43	817	PSYSHY Y SNPSYH
5871	Q5VY43	890	SRLDRS Y SYSYSN
5872	Q5VY43	892	LDRSYS Y SYSNGP
	~		
5873	Q5VY43	894	RSYSYS Y SNGPGP
5874	Q5VY43	902	NGPGPF Y NKGLIS
5875	Q5VY43	943	GPRESS Y MEMKGP
5876	Q5VY43	979	QRDSGT Y EQPSPL
5877	Q5VY43	1007	GLPPGHYDSPKNS
5878	Q5VY43	1019	SHIPGH Y DLPPVR
5879	Q5XUX0	286	YDNCLT Y RRIYLP
5880	Q5XUX0	459	SSRNEDYPRTCRM
5881	Q5XUX0	468	TCRMCF Y GTGLIA
5882	Q684P5	85	QKNKDD Y IPYPSI
5883	Q684P5	157	KGEARA Y RRHFLG
5884	Q684P5	241	RFNPVL Y PKASQM
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5885	Q69YN4	325	PNFDVEYTAEDLA
5886	Q69YN4	669	PERDDP Y PVLFRY
5887	Q69YN4	725	${\tt LFFMSE} {\tt Y} {\tt EATNLL}$
5888	Q6AI12	133	PAFPFI Y TPTAED
5889	Q6AI12	238	EPONGT Y AGPAPA
			~
5890	Q6AI12	359	LTERPC Y NRRASK
5891	Q6B0I6	131	YWKNRI Y NSPIYG
5892	Q6B0I6	136	IYNSPI Y GADISG
5893	Q6B016	333	ILQPER Y DLWKRG
	~		~
5894	Q6DN03	38	RSRKES Y SIYVYK
5895	Q6DN03	41	KESYSI y VYKVLK
5896	Q6DN03	43	SYSIYV y kvlkrv
5897	Q6DN72	21	GKTVWL Y LQAWPN
			==
5898	Q6DN72	53	LSQVKF y rdgkfl
5899	Q6DN72	81	VQSRGQ Y SCSGQV
5900	Q6DN72	89	CSGQVM Y IPQTFT
5901	Q6DN72	178	EGDSGL Y WCEVAP
5902	Q6DN72	239	GSPPIL Y SFYLDE
5903	Q6DN72	242	PILYSF y LDEKIV
5904	Q6DN72	274	EQDAGN Y SCEAEN
5905	Q6DN72	329	AAALLV Y VRSWRK
JJUJ	ZODN/Z	243	NAMOUNT A TAMAU

5906	Q6DN72	356	GEQCPL Y ANVHHQ
5907	Q6GTX8	68	RESRST Y NDTEDV
5908	Q6GTX8	99	EGNAGP Y RCIYYK
5909	Q6GTX8	103	GPYRCI y YKPPKW
5910	Q6GTX8	104	PYRCIY Y KPPKWS
5911	Q6GTX8	115	WSEQSD y lellvk
5912	Q6GTX8	165	LKAEHL Y ILIGVS
5913	Q6JBY9	156	GSHLPC y nkvrtr
5914	O6NXS1	56	INILAT Y HPADKG
5915	Q6NXS1	63	HPADKG Y GLMKID
	~		
5916	Q6NXS1	114	EGLEPK y riqeqe
5917	Q6NZI2	156	${ t NFKVMIYQDEVKL}$
5918	Q6NZI2	308	TPDHVV Y ARSKTA
5919	Q6NZI2	316	RSKTAV y KVPPFT
5920	Q6P1J9	54	EGQPRE y ytldsi
5921	Q6P1J9	315	IDTMGT Y HGMTLK
5922	Q6P1J9	425	ISVTVP y rvvdQp
5923	Q6P1N0	359	EORMER Y OVAAAO
5924		576	~ ~ ~
	Q6P1N0		QEAARR Y GELTKL
5925	Q6P1N0	880	PEVAQQ Y QDIMQR
5926	Q6P2Q9	256	VDDNYF y lfdlka
	Q6P2Q9	312	
5927			QPIRTE Y KIAFPY
5928	Q6P2Q9	1178	NSFVSV Y SKDNPN
5929	Q6P5Z2	517	PKPPRL y lpqept
			~
5930	Q6P5Z2	664	EPQARF y vacvvl
5931	Q6P5Z2	847	GPADLR Y FEGEFT
5932	Q6P988	297	IRRGIR Y WNGVVP
5933	Q6P988	325	FFGYKV Y PTLRCP
5934	Q6P988	363	QEGLRL Y IQNLGR
5935	Q6PCB0	48	SASVSH Y EFSRVR
5936	Q6PCB0	119	TGLALV y akeqlf
5937	Q6PCB0	242	LTADSG y yvlelv
5938	Q6PCB0	243	TADSGY Y VLELVP
5939	Q6PCB0	279	LDPDTD Y DVALVP
5940	Q6PCB0	364	${ t SAAALG}f Y { t HVQFGP}$
5941	O6PCB0	399	LAPGTA Y LVTVTA
5942	Q6PCD5	181	RAPLDA y FQVSRT
	~		
5943	Q6PCD5	196	DLPATT Y DSETRN
5944	Q6PCD5	556	DEANYI Y AGLANG
5945	Q6PHR2	25	RLGSGT Y ATVYKA
5946	Q6PHR2	88	WDSDNI Y LIMEFC
5947	Q6PHR2	190	$ exttt{MVCQRQ} exttt{Y} exttt{DARVDL}$
5948	Q6PKG0	379	GPRTPK Y MNNITY
5949	Q6PKG0	406	QELLKD Y IKRQIE
5950	Q6PKG0	511	FVPRQH Y QKETES
5951	Q6Q788	30	RKGFWD Y FSQTSG
			~
5952	Q6Q788	194	KELFHP Y AESLVS
5953	Q6Q788	293	AFRQDT Y LQIAAF
5954	Q6R327	257	ERILAP y TDFHYR
5955	Q6R327	970	IRGTCV Y VLGLIA
5956	Q6R327	1321	ADCNFS Y TSSRDA
5957	Q6S5L8	15	LAGLVL Y VGLFGH
5958	Q6S5L8	30	MLHRAK Y SRFRNE
5959	Q6S5L8	192	LGMGMN Y CVRYMG
5960	Q6S5L8	196	MNYCVR Y MGCVEV
5961	Q6S5L8	303	DPDTTD Y VAYVAK
5962	Q6S5L8	306	TTDYVA Y VAKDPV
5963	Q6S5L8	345	$\mathtt{ELRFKQYLKNPSL}$

\$964				
\$965	5964	06851.8	374	EREDHEYYNEIPG
\$966				
S968		~		
S968	5966	Q6S5L8	403	ATEQMA Y CPIQCE
S968	5967	06951.8	413	OCEKT.CVI.PCNSK
5969				
5970 0685L8 596 VGHIRYHMDNSL 5971 Q685C8 596 VGHIRYHMDNSL 5972 Q6TGC4 318 QVPLEYYLCRELQ 5974 Q6TGC4 472 QAPVELYSDRIMT 5975 Q6U736 53 STFGNGYVLYMSS 5976 Q6U736 56 GNGYYLYMSSRRK 5977 Q6U0736 174 LVGLGDYVEPFG 5978 Q6UUV9 60 GPSRGQYYGGSLP 5979 Q6UUV9 133 QADSCPYGTMYLS 5980 Q6UUV9 552 DSQQLGYASHSGI 5981 Q6UWZ7 154 RLEHSLYKPÇKGL 5982 Q6UWZ7 219 HKINEMYASLQEE 5983 Q6UWZ7 219 HKINEMYASLQEE 5984 Q6WN34 49 GESWHYLEPQKL 5985 Q6NN34 49 GESWHYLEPQKL 5986 Q6MN34 298 VTCPTEYPCRHPE 5987 Q6ZMU5 215 LGSLNSYLEQLRQ 5989 Q6ZMU5 <	5968	Q6S5L8	465	LF'DDPC Y IN'I'QAL
5970 0685L8 596 VGHIRYHMDNSL 5971 Q685C8 596 VGHIRYHMDNSL 5972 Q6TGC4 318 QVPLEYYLCRELQ 5974 Q6TGC4 472 QAPVELYSDRIMT 5975 Q6U736 53 STFGNGYVLYMSS 5976 Q6U736 56 GNGYYLYMSSRRK 5977 Q6U0736 174 LVGLGDYVEPFG 5978 Q6UUV9 60 GPSRGQYYGGSLP 5979 Q6UUV9 133 QADSCPYGTMYLS 5980 Q6UUV9 552 DSQQLGYASHSGI 5981 Q6UWZ7 154 RLEHSLYKPÇKGL 5982 Q6UWZ7 219 HKINEMYASLQEE 5983 Q6UWZ7 219 HKINEMYASLQEE 5984 Q6WN34 49 GESWHYLEPQKL 5985 Q6NN34 49 GESWHYLEPQKL 5986 Q6MN34 298 VTCPTEYPCRHPE 5987 Q6ZMU5 215 LGSLNSYLEQLRQ 5989 Q6ZMU5 <	5969	06851.8	527	LWSEECYHGKLSR
5971		~		
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6014 Q70E73 366 FKNPQNYLLGKKE 6015 Q70E73 417 KSWKKRYFLLRAS 6016 Q70E73 427 RASGIYYVPKGKA 6017 Q70E73 451 LDHVNVYYGQDYR 6018 Q70E73 452 DHVNVYYGQDYRN 6019 Q70E73 460 QDYRNKYKAPTDY 6020 Q70E73 466 YKAPTDYCLVLKH				
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6019 Q70E73 460 QDYRNK Y KAPTDY 6020 Q70E73 466 YKAPTD Y CLVLKH				
6020 Q70E73 466 YKAPTD Y CLVLKH				
	6019	Q/UE/3		QDYRNK Y KAPTDY
	6020	O70E73	466	YKAPTD Y CLVLKH
UUZI QIUEIS 401 IQKKSQIIKILCC				
	0021	Q/UE/3	401	TÄVVƏÄTTVITCC

6022	Q70E73	484	KSQYIK Y LCCDDV
6023	Q70E73	505	GIRIAK y GKQLYM
6024	Q70E73	510	KYGKQL Y MNYQEA
6025	Õ70E73	513	KQLYMN Y QEALKR
6026	070E73	524	KRTESA Y DWTSLS
6027	Q70E73	602	ESMNRP Y TSLVPP
6028	Q70E73	619	
	~		PKIVTPYTASQPS
6029	Q70E73	667	APMFVKYSTITRL
6030	Q70E73	823	PAFPAS Y IPPSPP
6031	Q70E73	1218	DQQKAG Y GGSHIS
6032	Q712K3	39	VDESDL Y NWEVAI
6033	Q712K3	161	KGKDKE Y AEIIRK
6034	Q712K3	228	EEDADC Y DDDDSG
6035	Q71F23	341	KQLQTK y delker
6036	Q71F23	356	SLRNAA Y FLSNLK
6037	Q71F23	382	PNVKETYDSSSLP
6038	Q71RC2	425	GHQEQTYLQKETS
6039	Q71RC2 Q71RC2	441	VEQNGD Y GRGRRT
6040	Q71RC2 Q71RC2	619	~
			EPRKLS Y AEVCQK
6041	Q7KZF4	365	KLNSGDYKTIHLS
6042	Q7KZF4	543	GSRLKL Y LPKETC
6043	Q7KZF4	895	RLNLWR Y GDFRAD
6044	Q7L2H7	139	SCGAIQYIPTELD
6045	Q7L2H7	169	TLLRLL Y EALVDC
6046	Q7L2H7	192	VELLGS Y TEDNAS
6047	Q7L5D6	46	YEAHQM Y RTLFFR
6048	Q7L5D6	159	LWKEQN Y CESRYH
6049	Q7L5D6	294	PKQTSS Y GGLLGN
6050	Q7L5Y1	34	MHTDPD Y SAAYVV
6051	Q7L5Y1	92	GDFRGF Y RQLTSD
6052	Q7L5Y1	154	SCIDFR Y ITDVLT
6053	Q7L804	80	QGSPEKYILFLIV
6054	Q7L804	402	RQDYFDYESTNPF
6055	Q7L804	448	FDATAG Y RSLTYE
6056	Q7RTN6	69	LPEGGC Y ELLTVI
6057	Q7RTN6	133	HPNIVP Y RATFIA
6058	Q7RTN6	256	QQNLQG Y DAKSDI
6059	Q7Z406	148	CVVINP Y KQLPIY
6060	Q7Z406	154	YKQLPI Y TEAIVE
6061	Q7Z406	599	DFSVLH Y AGKVDY
6062	Q7Z417	37	HHHHHY Y FYNHSH
6063	Q7Z417	94	PKKKTG Y GELNGN
6064	Q7Z417	428	GTDGNV Y PPGGQP
6065	Q7Z4W1	149	VTNHSV Y CSTKGA
6066	Q7Z5L9	17	SRROSC Y LCDLPR
			~
6067	Q7Z5L9	117	PQALERYPLAAAA
6068	Q7Z5L9	548	GASGEVYCPSGEK
6069	Q7Z6J0	253	GIFPIS Y VEFNSA
6070	Q7Z6J0	500	GVFPGN Y VAPVTR
6071	Q7Z6J0	840	HRVVVS Y PPQSEA
6072	Q86T82	587	QVIIPR Y LTLSSH
6073	Q86T82	907	TSSSGH Y ISDVYD
6074	Q86T82	948	SGYIFF Y MHKEIF
6075	Q86U42	175	ADARSI Y VGNVDY
6076	Q86U42	266	GFPRAR Y RARTTN
6077	Q86U42	281	SSRSRF Y SGFNSR
6078	Q86UC2	113	NPCPWHYLHLSGS
6079	Q86UC2	158	SRAPST Y TYTSRP

6080 Q86UC2 174 PCQRSRYRDSLTQ 6081 Q86UP2 503 WEEVQSYIRKRTA 6082 Q86UP2 1091 VPSNLSYGEWLHG 6083 Q86UP2 1245 KKLDDSYSEAVRQ 6084 Q86UQ8 71 SVTDLTYWGPAGH 6085 Q86UR1 265 RCTSTAYQEQRPQ 6087 Q86UR1 410 VVAQHSYSAQGPE 6088 Q86UR1 410 VVAQHSYSAQGPE 6089 Q86V48 477 PSVLSRYPAAQE 6090 Q86V48 799 TSSITIYPSDSSS 6091 Q86V48 1036 DCTLSVYRQLHNS 6092 Q86V48 1036 DCTLSVYRQLHNS 6093 Q86V48 139 KKAAVHYDRSGRS 6094 Q86V81 139 KKAAVHYDRSGRS 6095 Q86V81 139 KKAAVHYDRSGRS 6096 Q86VP1 26 QNVAKSYLPNAHL 6097 Q86VP1 768 EQFPPDYDQVFE 6098 Q86W56				
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Comparison	6091	Q86V48	1036	DCTLSVYRQLHNS
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6101 Q86WB0 105 PLVCAKYGWVTVE 6102 Q86WB0 137 AFDFDRYKQRCAE 6103 Q86WR7 53 DDESLKYLTHEEK 6104 Q86WV6 107 LSIYFYYSLPNAV 6105 Q86WV6 164 GLAWSYYIGYLRL 6106 Q86WV6 245 VYSNSIYELLENG 6107 Q86X55 72 SAGIALYSHEDVC 6108 Q86X55 334 GAAVDEYFRQPVV 6109 Q86X55 416 EPLTHWYQVRCLF 6110 Q86XR7 29 VDTSPGYHESDSK 6111 Q86XR7 154 WCNFQFYTSLMNS 6112 Q86XR7 215 IFQESVYKTQQTI 6113 Q86YS7 222 GNAVVGYLQCFDL 6114 Q86YS7 469 GFCHIPYDELNMP 6115 Q86YS7 585 ASATGVYLAALPT 6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS		~		==
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6102 Q86WB0 137 AFDFDRYKQRCAE 6103 Q86WR7 53 DDESLKYLTHEEK 6104 Q86WV6 107 LSIYFYYSLPNAV 6105 Q86WV6 164 GLAWSYYIGYLRL 6106 Q86WV6 245 VYSNSIYELLENG 6107 Q86X55 72 SAGIALYSHEDVC 6108 Q86X55 334 GAAVDEYFRQPVV 6109 Q86X55 416 EPLTHWYQVRCLF 6110 Q86XR7 29 VDTSPGYHESDSK 6111 Q86XR7 154 WCNFQFYTSLMNS 6112 Q86XR7 215 IFQESVYKTQQTI 6113 Q86YS7 222 GNAVVGYLQCFDL 6114 Q86YS7 469 GFCHIPYDELNMP 6115 Q86YS7 585 ASATGVYLAALPT 6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS	6101	Q86WB0	105	PLVCAK Y GWVTVE
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6104 Q86WV6 107 LSIYFYYSLPNAV 6105 Q86WV6 164 GLAWSYYIGYLRL 6106 Q86WV6 245 VYSNSIYELLENG 6107 Q86X55 72 SAGIALYSHEDVC 6108 Q86X55 334 GAAVDEYFRQPVV 6109 Q86X55 416 EPLTHWYQVRCLF 6110 Q86XR7 29 VDTSPGYHESDSK 6111 Q86XR7 154 WCNFQFYTSLMNS 6112 Q86XR7 215 IFQESVYKTQQTI 6113 Q86YS7 222 GNAVVGYLQCFDL 6114 Q86YS7 469 GFCHIPYDELNMP 6115 Q86YS7 585 ASATGVYLAALPT 6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS				~
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6106 Q86WV6 245 VYSNSIYELLENG 6107 Q86X55 72 SAGIALYSHEDVC 6108 Q86X55 334 GAAVDEYFRQPVV 6109 Q86X55 416 EPLTHWYQVRCLF 6110 Q86XR7 29 VDTSPGYHESDSK 6111 Q86XR7 154 WCNFQFYTSLMNS 6112 Q86XR7 215 IFQESVYKTQQTI 6113 Q86YS7 222 GNAVVGYLQCFDL 6114 Q86YS7 469 GFCHIPYDELNMP 6115 Q86YS7 585 ASATGVYLAALPT 6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS	6105	086WV6	164	GLAWSY Y IGYLRL
6107 Q86X55 72 SAGIALYSHEDVC 6108 Q86X55 334 GAAVDEYFRQPVV 6109 Q86X55 416 EPLTHWYQVRCLF 6110 Q86XR7 29 VDTSPGYHESDSK 6111 Q86XR7 154 WCNFQFYTSLMNS 6112 Q86XR7 215 IFQESVYKTQQTI 6113 Q86YS7 222 GNAVVGYLQCFDL 6114 Q86YS7 469 GFCHIPYDELNMP 6115 Q86YS7 585 ASATGVYLAALPT 6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS				
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6116 Q8IU85 88 VALEDIYESPNHL 6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS	6115	086YS7	585	ASATGV Y LAALPT
6117 Q8IU85 134 VLDAVYYLHRMGI 6118 Q8IU85 244 YEFDSPYWDDISD 6119 Q8IUR7 162 LLSRSRYTQEYIC 6120 Q8IUR7 166 SRYTQEYICQIFS				
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6119 Q8IUR7 162 LLSRSR Y TQEYIC 6120 Q8IUR7 166 SRYTQE Y ICQIFS	6118	O8IU85	244	YEFDSP Y WDDISD
6120 Q8IUR7 166 SRYTQE Y ICQIFS				
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6121 Q8IUR7 331 IAMLAD y FKYPSS	6121	Q8IUR7	331	IAMLAD Y FKYPSS
6122 Q8IVP5 11 NPPPQD Y ESDDDS	6122	O8JVP5	11	NPPPODYESDDDS
6123 Q8IVP5 26 VLDLTE Y ARRHQW		~		
6124 Q8IVP5 48 GPMVEK Y SVATQI				
6125 Q8IVP5 94 IASHSG Y VQIDWK	6125	Q8IVP5	94	IASHSG Y VQIDWK
6126 Q8IVT2 31 GDTSYT Y HLVCMG				
6127 Q8IVT2 68 QRQGVS Y SVHAYT				
6128 Q8IVT2 638 RKKEQW Y AGINPS	6128	Q8IVT2	638	RKKEQW Y AGINPS
6129 Q8IW19 96 SLLVDK Y IFRILS	6129	O8IW19	96	SLLVDK y ifrtis
6130 Q8IW19 438 PQHKIE Y RHNTLP				
6131 Q8IW19 462 VGQPNE Y DLNDSF				==
6132 Q8IW41 188 TPQFTP Y YVAPQV	6132	Q8IW41	188	TPQFTP Y YVAPQV
6133 Q8IW41 189 PQFTPY Y VAPQVL				
6134 Q8IW41 218 SPTPYT Y NKSCDL				
6135 Q8IWL1 184 VKKYNT Y AYVGLT	6135	Q8IWL1	184	VKKYNT Y AYVGLT
6136 Q8IWL1 186 KYNTYA Y VGLTEG	6136	Q8IWL1	186	KYNTYA Y VGLTEG
6137 Q8IWL1 200 SPGDFR Y SDGTPV				
700 DIGDENTODGIEV	0107	I ⊼∩⊤\\∏T	200	DI GDI IX. DDGII V

6138	Q8IWT6	285	ICYTVY Y VHNIKF
6139	Q8IWT6	362	IREESS Y SDIPDV
6140	Q8IWT6	653	WYNHIA Y IPIQIG
6141	Q8IX03	114	SAQKEI Y QVKQQR
6142	Q8IX03	155	SSSSK y dpeilk
6143	Q8IX03	209	
			SDAQGS Y KLDEAQ
6144	Q8IXJ6	70	LEGVAR y mQserc
6145	Q8IXJ6	123	AIFEIS Y FKKHPE
6146	Q8IXJ6	191	EAHGTF Y TSHCVS
6147	Q8IY84	16	GLVNPH Y ARWDRR
6148	Q8IY84	137	PNIIRL Y EVVETL
6149	Q8IY84	204	$KAENVF\mathbf{Y}TSNTCV$
6150	Q8IYA6	22	QRKLQE y laakgk
6151	Q8IYA6	37	$ exttt{SQNTKP}\mathbf{Y} exttt{LKSKNN}$
6152	Q8IYA6	113	CVSSNP Y SKPSSK
6153	Q8IYA6	214	KPKTDS Y NQTKNS
6154	Q8IYA6	310	KVNRSQ Y ERPNET
			==
6155	Q8IYA6	321	ETKIRS y pvteQr
6156	Q8IYA6	336	$\mathtt{HTKPRT}\mathbf{Y}\mathtt{PSLLQG}$
6157	Q8IYA6	344	SLLQGE Y NNRHPN
6158	Q8IYA6	479	KSKGKT Y KRPPME
6159	Q8IYA6	577	FDVIGL Y EEAIKN
6160	Q8IYA6	659	KAEQHN Y PGIKLQ
6161	Q8IYA6	700	$\mathtt{ERAVSR}_{\mathbf{Y}}\mathtt{PEMLQE}$
6162	Q8IYB3	309	RSRSRS Y SPRRRP
	~		
6163	Q8IYB3	596	SPSPRR y SPPIQR
6164	Q8IYB3	604	PPIQRR Y SPSPPP
6165	Q8IZP0	23	RALIES Y QNLTRV
6166	Q8IZP0	32	LTRVAD Y CENNYI
6167	Q8IZP0	37	DYCENN Y IQATDK
6168	Q8IZP0	63	SLASVA y QINALA
6169	Q8IZP0	136	MERPVR y irkpid
6170	Q8IZP0	143	IRKPID y TVLDDV
6171	Q8IZP0	198	LGRNTP Y KTLEPV
6172	Q8IZP0	311	SAPGSQ Y GTMTRQ
6173	Q8IZP0	333	$\mathtt{STSSGG}\mathbf{Y}\mathtt{RRTPSV}$
6174	Q8IZP0	355	VNGGPLYSQNSIS
6175	Q8IZP0	421	PPPPVD Y EDEEAA
6176	Q8IZP0	431	EAAVVQ y ndpyad
6177	Q8IZP0	435	VQYNDP Y ADGDPA
6178	Q8IZP0	447	AWAPKN Y IEKVVA
6179	Q8IZP0	457	VVAIYD Y TKDKDD
6180	Q8IZP0	474	MEGAII Y VIKKND
6181	Q8IZP0	484	KNDDGW Y EGVCNR
6182	Q8IZP0	499	GLFPGN Y VESIMH
6183	Q8IZS5	89	EPKGNE Y GRNYFD
6184	Q8IZS5	93	NEYGRN Y FDPLMD
6185	Q8IZS5	121	DDDRIF y nrltkl
6186	Q8N122	174	NKNYTQ \mathbf{Y} IPLSIY
		793	MRRASS Y SSLNSL
6187	Q8N122		
6188	Q8N122	1280	NQFTAI Y NSSGEL
6189	Q8N163	425	$\texttt{LQTVVV}_{\textbf{Y}} \texttt{LPDVWT}$
6190	Q8N163	554	LÕRDFG y rvykml
6191	Q8N163	761	
			QYRSLQ Y SRQEGL
6192	Q8N1G4	54	TLPLLH Y LEVSGC
6193	Q8N1G4	389	VKGPLL Y CARPPQ
6194	Q8N1G4	448	LDGNEN Y PCLVDA
6195	Q8N264	49	LKGDQL Y YFKDED
OLYJ	Z0112 04	4 2	TVGDÄTT.VDED

6196	Q8N264	214	ASLLKL y lrelpe
6197	Q8N264	607	LSHPRDYESKSDH
6198	Q8N2E6	101	TGTGKS Y VSSLLA
6199	Q8N2E6	109	SSLLAH Y LFQGGL
			I ==
6200	Q8N2E6	185	GSSWVV Y GTNYRK
6201	Q8N4F0	36	NKAALS Y VSEIGK
6202	Q8N4F0	217	PTVTSD Y ISLEVN
6203	Q8N4F0	436	
			GVVNLH Y VAPEIF
6204	Q8N4N8	311	TGSGKT Y TMGGDF
6205	Q8N4N8	360	GTFFEI Y GGKVYD
6206	Q8N4N8	365	
			IYGGKV Y DLLNWK
6207	Q8N5C8	58	KYLYME Y HSPDDN
6208	Q8N5C8	340	QQGPPS Y QKQGSH
6209	Q8N5C8	501	EKGSHK Y QRSSSS
6210	Q8N5Z0	195	NTPKFL Y TVPNGN
6211	Q8N5Z0	326	DRVIDF Y SNQKDA
6212	Q8N5Z0	397	SSAPSP Y LRASFS
	~		
6213	Q8NB16	218	NEVSTL Y KGEYHR
6214	Q8NB16	222	TLYKGE Y HRAPVA
6215	Q8NB16	343	FLVTQG Y QVKLAG
			IVLGFN Y WIASSR
6216	Q8NBJ4	32	
6217	Q8NBJ4	154	LERKFS Y DLSQCI
6218	Q8NBJ4	351	LRGEDD Y NMDENE
6219	Q8NBP7	38	EDEDGD Y EELVLA
6220	Q8NBP7	142	KLPHVD Y IEEDSS
6221	Q8NBP7	183	GSLVEV Y LLDTSI
6222	Q8NBX0	165	ADLGVI Y TRNKMN
	~		
6223	Q8NBX0	262	VRRTQR Y LYENLE
6224	Q8NBX0	274	EESPVQ y aayvtv
6225	Q8NCD3	389	KYSSLI Y FDSSAT
6226	Q8NCD3	445	DQLHRE Y CLSPRN
			I
6227	Q8NCD3	618	ASMEVR Y QTEGFL
6228	Q8ND76	26	HSRLES Y RPDTDL
6229	Q8ND76	128	CVALAI Y YHIKNR
6230	Q8ND76	275	SVYAKY Y FDLRSL
6231	Q8NDC0	72	PAPTGMYPSVPPT
6232	Q8NDC0	116	PGPTGPYPTPNMP
6233	Q8NDC0	130	PELPRPYGAPTDP
6234	Q8NE71	529	AQRLHY Y RGNYMT
6235	Q8NE71	540	MTFKKM Y QQKQKE
6236	Q8NE71	827	DGDFED Y KREVLE
	~		
6237	Q8NFW8	237	QGGKMA Y YEMRAE
6238	Q8NFW8	238	GGKMAY Y EMRAEH
6239	Q8NFW8	266	RVLRYG Y FGKEKL
6240	08NG66	20	
	~		STAISTYPKTLIA
6241	Q8NG66	110	FCIITE Y CEGRDL
6242	Q8NG66	588	EVFEEV Y NYLKRA
6243	Q8NHV4	127	QVTCVT Y NWNDCY
	~		~
6244	Q8NHV4	133	YNWNDC Y IASGSL
6245	Q8NHV4	301	QCIAFQ Y STVLTK
6246	Q8NHW3	122	LYWMSG Y QHHLNP
	~		
6247	Q8NHW3	310	AKERDL Y KEKYEK
6248	Q8NHW3	314	DLYKEK y EKLAGR
6249	Q8TAE6	76	GKVTVK y DRKELR
6250		99	
	Q8TAE6		EQLGQL Y GCEEEE
6251	Q8TAE6	137	EALVDC Y KPTEEF
6252	Q8TAP9	45	PSPRDG Y GSPHHT
6253	Q8TAP9	54	PHHTPP Y GPRSRP
0433	MOTULA	J4	TIHITE TOUNDE

6254	Q8TAP9	103	SQQQFG Y SPGQQQ
6255	Q8TB45	140	MRGQRL Y EKLMSP
6256	~		VDSNLL Y QFRMNF
	Q8TB45	215	~
6257	Q8TB45	385	NVLHVDYRTVSNL
6258	Q8TCT0	283	NSTLLR Y SVSLLG
6259	Q8TCT0	325	FLSHHC Y EGTVSF
6260	Q8TCT0	453	FTFVEV Y RVKKFQ
6261	Q8TD08	13	PRIVRR Y LLRRQL
6262	Q8TD08	24	QLGQGA Y GIVWKA
6263	Q8TD08	89	ENDRDI Y LVFEFM
6264	Q8TD08	119	HVRSIF Y QLLRAT
6265	Q8TD08	183	YVATRW Y RAPEVL
6266	Q8TD08	195	LLSSHR y tlgvdm
6267	Q8TD08	303	QALQHP Y VQRFHC
	~		
6268	Q8TD08	335	QLSVPE Y RSRVYQ
6269	Q8TD08	340	EYRSRV Y QMILEC
6270	Q8TD08	521	RALLGG Y SQAYGT
6271	Q8TD08	525	GGYSQA Y GTVCHS
6272	Q8TD30	150	GNSLGS Y SASQGV
6273	Q8TD30	321	SFKKVL Y EMGPEY
6274	Q8TD30	353	CGYRGGYMEVINL
6275	Q8TDC3	100	LKLHDV Y ENKKYL
6276	Q8TDC3	196	SCGSPH Y ACPEVI
6277	Q8TDC3	207	VIKGEK Y DGRRAD
6278	Q8TEP8	446	GVSRLT Y VSEPES
6279	Q8TEP8	1388	TELSTV Y LFGGDE
6280		1887	
	Q8TEP8		SPREPF Y VKHSKY
6281	Q8TEW0	199	RKKDEN Y RSLPRD
6282	Q8TEW0	719	RISHSL Y SGIEGL
6283	Q8TEW0	1310	SEGPSN Y DSYKKV
6284	Q8TEX9	190	LTTMAP Y LSTEDV
6285	Q8TEX9	242	VPVITP Y LSEVLT
6286	Q8TEX9	626	EGIVPQ Y DGSSSF
6287	Q8TF09	42	NSTTVQ Y AGLLHH
6288	Q8TF09	86	VAPDKE Y LLIVIQ
6289	Q8TF76	442	WHSSSMYLLSPLN
6290	Q8TF76	464	SDAEKV Y GECSQK
6291	Q8TF76	736	NNRWGE Y HPYSNV
6292	Q8WTQ7	217	KNTGKM Y ACKKLD
6293	Q8WTQ7	370	EKVSYS Y PVDWFA
6294	Q8WTQ7	394	RTPFKD Y KEKVSK
6295	Q8WU03	14	QKLQIL Y KSLEKS
6296	Q8WU03	71	KDDQDH Y TNTYHI
6297	Q8WU03	243	NMLQIG Y HLEKYL
6298	Q8WUI4	163	PNLKLR Y KPKKSL
6299	Q8WUI4	589	ERHVLL Y GTNPLS
6300	Q8WUI4	726	QDPSVLYISLHRH
6301	Q8WUM4	29	KFIQQT Y PSGGEE
6302	Q8WUM4	39	GEEQAQ Y CRAAEE
6303	Q8WUM4	513	GQVKEC Y QSHRDT
6304	Q8WV28	52	SVPRRD Y ASESPA
6305	Q8WV28	119	PFARGE Y IDNRSS
6306	Q8WV28	347	VLCKPW Y AGACDR
6307	Q8WV28	383	HDSKQP Y TLVVFF
6308	Q8WV28	394	FFNKRV Y NIPVRF
6309	Q8WV28	407	IEATKQ Y ALGRKK
6310	Q8WV28	418	KKNGEE Y FGSVAE
6311	Q8WVM8	48	VWKVLI Y DRFGQD
0011	70 M A 1-10	-I O	A AALL A DIT T DIVE GÖD

6312	Q8WVM8	111	DLRNQL y ESYYLN
6313	Q8WVM8	421	ARKLDV Y FEYEEK
6314	Q8WWA1	117	KDELQL Y GDAPGE
6315	Q8WWA1	177	GALLVC y hyyadw
6316	~		
	Q8WWA1	180	LVCYHY Y ADWFMS
6317	Q8WWM7	309	IESSPQ Y RLRIAM
6318	Q8WWM7	729	VQAPQM Y PYPVSN
6319		808	MQPMAH Y PSQPVF
	Q8WWM7		
6320	Q8WX93	11	SSHESFYDSLSDM
6321	Q8WX93	342	EDDTGR Y TCLATN
6322	Q8WX93	731	SSGSFN Y ARPKQF
			~
6323	Q8WYJ6	117	EEQFEQ Y LRDESG
6324	Q8WYJ6	199	EEEIHI Y QFPECD
6325	Q8WYJ6	247	PVRGRR Y SWGTVE
6326	Q8WYK2	37	TVEELK Y ADIRNL
6327	Q8WYL5	376	AHWNEA Y HFINKA
6328	Q8WYL5	646	NKVKPS Y KSCADC
	~		
6329	Q8WYL5	805	KPTTNS Y LMQHQE
6330	Q92504	117	EHSHGG Y GESGAP
6331	Q92504	137	AVTLWA Y ALGATV
6332	Q92504	429	_
			TAGGFI Y VATVSV
6333	Q92522	48	KNQPGK Y SQLVVE
6334	Q92522	71	SSLAKI y TEAKKV
6335	Q92522	91	GRTYLK Y SIKALV
	~		
6336	Q92538	547	NYDCDY Y CSNLFE
6337	Q92538	1305	DSELPS Y HQNDVS
6338	Q92538	1323	TSDSEVYTDHGRP
6339	Q92556	48	SLANHE Y FALQHA
6340	Q92556	60	ADSSNF y ITEKNR
6341	Q92556	140	ESGTER Y QKLQKI
6342	Q92556	242	DQEIQT Y TIAVIN
6343	Q92556	295	EMAHQL \mathbf{Y} VLQVLT
6344	Q92556	352	EKRKSM Y TRDYKK
6345	Q̃92556	356	SMYTRD y kklgfi
6346	Q92556	386	ALDNML Y FAKHHQ
6347	Q92556	576	RQDKFW Y CRLSPN
6348	Q92556	588	NHKVLH Y GDLEES
6349	Q92556	646	LAFSILYDSNCQL
6350	Q92556	662	APDKHE Y CIWTDG
6351	Q92563	155	GSDGHT Y SSVCKL
6352	Q92563	278	AINLDK Y EVCIRP
6353	Q92563	342	SCDEDGYYRKMQC
6354	Q92574	185	HLHASV Y ALFHRL
6355	Q92574	704	LHNQLL Y ERFKRQ
6356	Q92574	1156	
			QLHIMDYNETHHE
6357	Q92597	144	GTGAGA Y ILTRFA
6358	Q92597	211	VEVVHT y rqhivn
6359	Q92597	307	LAEAFK Y FVQGMG
			_
6360	Q92600	23	VDREKI Y QWINEL
6361	Q92600	120	HIPLFLYPFLHTV
6362	Q92600	134	KTRPFE Y LRLTSL
6363	Q92616	565	GNKVQQ Y HRALVA
6364	Q92616	1190	SQAVAR Y QRQAAE
6365	Q92616	2611	NTVVRA Y SDQAIV
6366	Q̃92620	145	RREHGV Y ASSKEE
6367	Q92620	568	TTQLTQ Y LHEDGY
6368	Q92620	925	NMLNSM Y QLWILG
6369	Q92625	365	GPYEAL Y NAISCH
	2		

6370	Q92625	455	EEDEHP Y ELLLTA
6371	Q92625	1024	DLCTFA Y ITKDLQ
6372	Q92630	14	AAAPAA Y PTGRGG
6373	Q92630	163	EQAMKQ Y MQKLTA
6374	Q92630	178	HHEIFSYPEIYFL
6375	Q92630	182	FSYPEI Y FLGLNA
6376	Q92630	203	GPNNGG Y DDDQGS
6377	Q92630	210	DDDQGS Y VQVPHD
			I
6378	Q92630	220	PHDHVA Y RYEVLK
6379	Q92630	222	DHVAYR y EVLKVI
6380	Q̃92630	240	GQVVKA Y DHKVHQ
			I
6381	Q92630	309	LLSMNL Y ELIKKN
6382	Q92630	374	DFGSSC Y EHQRVY
6383	Q92630	380	YEHQRV Y TYIQSR
6384	Q92630	388	YIQSRF Y RAPEVI
6385	Q92630	399	VILGAR y gmpidm
6386	Q92630	419	AELLTG Y PLLPGE
6387	Q92630	461	FVSSKG Y PRYCTV
6388	Q92630	464	SKGYPR Y CTVTTL
6389	Q92673	1011	MDMKIF Y KGKNTG
6390	Q92673	1196	ANCTAIYHTCEAS
6391	Q92673	1922	QGPSSD Y VVVKMI
6392	Q92731	16	LNSPSSYNCSQSI
6393	092731	43	VDSHHE Y PAMTFY
	~		
6394	Q92731	56	SPAVMNYSIPSNV
6395	Q92734	229	QPQQPP Y TGAQTQ
6396	Q92734	247	GQMYQQ Y QQQAGY
6397	Q92734	329	
			NYPAQTYTAQTSQ
6398	Q92736	1687	DEPQLL Y AIENKY
6399	Q92736	3131	DVQVSC y riltsl
6400	Q92736	4661	DKYGEF Y GRDRIS
6401	Q92783	219	RKVRAI Y DFEAAE
6402	Q92783	371	MEALSL Y TKLMNE
6403	Q92783	392	KLQNQP Y YMQSSG
		393	~ ~ ~
6404	Q92783		LQNQPY Y MQSSGV
6405	Q92783	405	VSGSQV Y AGPPPS
6406	Q92783	414	PPPSGA Y LVAGNA
6407	Q92783	428	MSHLQS Y SLPPEQ
6408	Q92783	460	QQTQAA Y PNTMVS
6409	Q92783	473	SVQGNTYPSQAPV
6410	Q92783	480	PSQAPV Y SPPPAA
			~
6411	Q92783	498	TADVTLYQNAGPN
6412	Q92783	511	MPQVPNYNLTSST
6413	Q92793	1417	GMHVQE Y GSDCPP
6414	Q92793	1457	HEILIGYLEYVKK
6415	Q92793	2108	KQRTAK Y VANQPG
6416	Q92794	913	$EATQEQ\mathbf{Y}TESEEQ$
6417	Q92794	1978	PHGNMMYTGPSHH
	Q92794		
6418		1986	GPSHHSYMNAAGV
6419	Q92804	218	FGGHRD Y GPRTDA
6420	Q92804	501	GGDRGG Y GGDRGG
6421	Q92804	549	GDRSGG Y GGDRSG
6422	Q92888	100	KAFLDF Y HSFLEK
6423	Q92888	186	GRDRAS Y EARERH
6424	Q92888	225	VNAIGL Y MRHLGV
6425	Q92888	487	RRQESGYLIEEIG
6426	Q92888	568	MQRLTK Y PLLLQS
6427	Q92888	618	LLRLKD Y QRRLDL
<u> </u>	2		· z- ·

6428	Q92888	726	$ exttt{TDHKAF} exttt{Y} exttt{VLFTWD}$
6429	Q92900	113	EDEEDT Y YTKDLP
6430	Q92900	958	IIPGSV y drssqg
6431	Q92900	970	GRPSSM Y FQTHDQ
6432	Q92905	51	WTKDHH Y FKYCKI
6433	Q92905	54	DHHYFK Y CKISAL
6434	Q92905	261	${ t LLTNAD} { t Y} { t TTGQVF}$
6435	Q92918	28	RLGGGT Y GEVFKA
6436	Q92918	232	${ t LMTKSGYQPPRLK}$
6437	Q92918	637	$ extsf{VVLLQW}\mathbf{Y} extsf{Q} extsf{PMNKF}$
	Q92922	171	
6438			LTRPNI Y LIPDID
6439	Q92922	209	SHHIYP Y SSSQDD
6440	Q92922	240	GFYPDS Y DTWVHS
6441	Q92934	76	RSRHSS Y PAGTED
6442	Q92934	110	LWAAQR Y GRELRR
6443	Q92945	149	TSMTEE¥RVPDGM
	Q92945	625	
6444			TKAWEE Y YKKIGQ
6445	Q92945	689	RQQAAY Y GQTPGP
6446	Q92974	54	SGMTMC Y ACNKSI
6447	Q92974	198	DEAEVI Y SELMSD
6448	Q92974	510	QEKDQK y ifptld
6449	Q92979	61	VKVGKT Y ELLNCD
6450	Q92979	109	AGLLQV Y IHTQKN
6451	Q92979	212	GKVSVE Y TEKMVS
6452	Q92985	122	ADPHKV y alsrel
6453	Q92985	377	MGKCKV Y WEVGGP
	Q92985	428	
6454			RRGSPRYTIYLGF
6455	Q92993	246	$ ext{HRLKPW}\mathbf{Y}$ FSPYPQ
6456	Q92993	468	LNLINY Y KGQYIL
6457	Q92993	472	NYYKGQ Y ILTLSE
6458	Q92997	42	VLQRPS y kfffks
6459	092997	467	RREARK y asnllk
6460	Õ92997	653	HHTHPS Y GPPGVP
	~		
6461	Q93009	468	GGHYVV Y LNPKGD
6462	Q93009	701	KTRSLN Y CGHIYT
6463	093009	1091	APKRSR y TYLEKA
6464	Q93084	122	
	~		IEALKE Y EPEMGK
6465	Q93084	294	WLRGAV Y YFKIAV
6466	Q93084	986	LDEALK Y LSRNHM
6467	Q969H0	193	PCKVSE Y TSTTGL
6468	Q969H0	509	AVRCVQ Y DGRRVV
6469	Q969Н0	519	RVVSGA Y DFMVKV
6470	Q969M7	75	VTPDEG Y YQGGKF
6471	Q969M7	76	TPDEGY Y QGGKFQ
6472	Q969M7	91	TEVPDA Y NMVPPK
6473	Q969Q0	26	PHKVTQ Y KKGKDS
6474	096900	41	AQGRRR Y DRKQSG
	~ ~		~ ~
6475	Q969Q0	48	DRKQSG Y GGQTKP
6476	Q969S2	218	QAQPVC y tlldqr
6477	Q969S2	225	TLLDQR Y FSGLGN
6478	Q969S2	286	
			PQHTQV Y QKEQCP
6479	Q969U6	136	SADMRP Y NWSYTQ
6480	Q969U6	140	RPYNWS Y TQFSQF
6481	Q969U6	494	AEDRHG Y IWDRHY
6482	Q96A00	41	ARVTVKYDRRELQ
6483	Q96A00	64	GRLEEL Y RGMEAD
6484	Q96A65	51	GRLEEA Y EKCDRD
6485	Q96A65	76	TTAIRT Y QSITER
0400	Q J U A U J	/ 0	TIVIVI T ÄDIIEV

6486	Q96A65	150	CMASKH Y LSATDM
6487	Q96A72	11	SDFYLR Y YVGHKG
6488	Q96A72	42	YANNSN Y KNDVMI
6489	Q96A72	53	MIRKEA Y VHKSVM
6490	Q96AD5	22	GFLGVY Y VGVASC
6491	Q96AD5	44	ANATHI Y GASAGA
6492	Q96AD5	338	TAMMVPYTLPLES
6493	Q96AX2	26	PPCSPS Y DLTGKV
6494	Q96AX2	193	IAKELK y RAGHQA
6495	096AX2	209	SFQIRD Y VESQKK
	~	46	~ ~
6496	Q96B36		RPGPCA Y AAHGRG
6497	Q96B36	180	ALPTQQ Y AKSLPV
6498	Q96BD6	19	DMRDPT y rplkQE
6499	Q96BD6	48	
			DMPPVSYDVQLLH
6500	Q96BD6	93	IRGKVG Y TRGLHV
6501	Q96BD6	129	PLHSVG Y TTLVGN
6502			
	Q96BD6	150	LGRNRL Y HDGKNQ
6503	Q96BD6	161	NQPSKTYPAFLEP
6504	096BD6	196	FIVDGQ y mgvafr
6505	096BD6	210	LKGKKL Y PVVSAV
	~		
6506	Q96BD6	226	CEIRMRYLNGLDP
6507	Q96BR1	34	KKRFTV y KVLVSV
6508	Q96BR1	108	VRYPEL y nhpdvr
6509	Q96BR1	188	KLDGKF y avkvlQ
6510	Q96BT3	255	VGSPNV Y HSLPCT
6511	Q96BT3	490	EKCLDK Y FQHLCD
6512	Q96BT3	543	
			RHLPLEYRQLLIP
6513	Q96C19	83	RRVFNP Y TEFKEF
6514	Q96C19	104	EKMFKQ Y DAGRDG
6515	Q96C36	13	GAGQLA Y ALARGF
			==
6516	Q96C36	135	QEGATV Y ATGTHA
6517	Q96C36	180	SGSGPA Y AFMALD
6518	Q96C86	113	QFSNDI Y STYHLF
6519	Q96C86	116	NDIYST Y HLFPPR
6520	Q96C86	274	HYLPSY Y HLHVHF
6521	Q96CF2	42	LGKKQE Y LENRIQ
6522	Q96CN5	8	EEFRRS Y SRLCRE
	~		
6523	Q96CN5	657	QNAVLA Y VQASPV
6524	Q96CT7	38	KELEDA y wkdddk
6525	Q96CV9	214	GTALSK y rsrsad
6526	Q96CV9	471	RAQMEV Y CSDFHA
			~
6527	Q96CV9	533	DSDQQA Y LVQRGA
6528	Q96DA6	21	AGFAGR y VLQAMK
6529	Q96DA6	50	AFSGGY Y RGGFEP
6530	Q96DA6	98	DKGGSP Y IAAKIN
6531	Q96DG6	18	IGHRLE Y GGLGRE
6532	Q96DG6	33	VEHIKA Y VTKSPV
6533	Q96DG6	229	SPADKP Y IDEARR
6534	Q96EB6	301	AMFDIE Y FRKDPR
6535	Q96EB6	317	KFAKEI Y PGQFQP
6536	Q96EB6	699	SEIEEF Y NGLEDE
	~		
6537	Q96EG1	155	NFRGFD Y YFGIPY
6538	Q96EG1	156	FRGFDY Y FGIPYS
6539	Q96EG1	244	GRPFLL Y VALAHM
6540	Q96EP5	29	QETLRS Y FSQYGE
6541	Q96EP5	146	TEVVMI y DAEKQR
6542	Q96EP5	265	PPPFTS Y IVSTPP
6543	Q96EY1	94	PLAKED Y YQILGV
	~> 0-1-1	<i>y</i> 1	

6544	Q96EY1	173	${ t SGSQHSYWKGGPT}$
6545	Q96EY1	427	QSLILS y aedetd
	~		
6546	Q96EY5	52	$ extsf{FAQKSGY}$ $ extsf{FLCLSS}$
6547	Q96EY5	134	TKTVPG Y LRIGDM
6548	Q96EY5	210	YEASSL Y GISAMD
	~		
6549	Q96EY5	254	ADIEEE y nygfvv
6550	Q96EY5	256	IEEEYN Y GFVVEK
6551	Q96G03	236	FEDLKK Y CFHRSV
6552	Q96G03	506	YDGKNN Y PKACGK
6553	Q96G03	525	RDLTTG y DDSQPD
6554	Q96G74	181	YNSEDE Y EAAAAR
6555	Q96G74	234	$ ext{AVADQV}\mathbf{Y} ext{GDQDMH}$
6556	Q96G74	250	$RKHCMD\mathbf{Y}LMKNAD$
6557	Q96G74	257	LMKNAD Y FSNYVT
6558	Q96G74	261	ADYFSN Y VTEDFT
6559	Q96G74	269	TEDFTT Y INRKRK
6560	Q96G74	292	QAMAEM Y NRPVEV
			~
6561	Q96G74	299	NRPVEV Y QYSTGT
6562	Q96G74	301	PVEVYQ Y STGTSA
6563	Q96G74	329	EPIRVS Y HRNIHY
6564	Q96G74	335	YHRNIH Y NSVVNP
6565	Q96G74	407	QVARES y lqwlrd
6566	Q96G74	514	SPLVSL y pālecr
6567	Q96G74	553	AVSQQE y ldsmkk
6568	Q96GA7	81	AGIAAA y aarklg
6569	Q96GA7	284	AALAAI Y SGLLRR
6570	Q96H79	172	PEVCLL Y NKGEAL
6571	Q96H79	179	NKGEAL Y GYCNLK
6572	Q96Н79	241	FQIIST Y KHMKLH
6573	Q96HC4	530	PYCETD Y YALFGT
	~		
6574	Q96HC4	531	YCETDY Y ALFGTI
6575	Q96HC4	557	${ t FLEALG} { t Y} { t TWHDTC}$
6576	296HQ2	30	AEQFRS y sesekq
			==
6577	Q96HQ2	51	LRHLPD Y RDPPDG
6578	Q96HQ2	81	LFLGCS y nkdlld
6579	Q96I15	65	GNPSSP Y SAGRKA
		269	
6580	Q96I15		PRIGALYIRGLGE
6581	Q96I15	403	SPVLLS Y GVPFDV
6582	Q96J02	42	WFGPSP Y VEVTVD
6583	Q96J02	343	DQHGRV Y YVDHVE
	~		
6584	Q96J02	344	QHGRVY Y VDHVEK
6585	Q96J02	375	DNMGRI Y YVDHFT
6586	096J02	376	NMGRIY Y VDHFTR
	096J02		
6587	~	397	LESVRN y EQWQLQ
6588	Q96J02	455	DSNGRVYFVNHNT
6589	096J02	495	TVDGI P Y FVDHNR
6590	Q96J02	506	NRRTTT Y IDPRTG
	~		
6591	Q96J02	524	NGPQIA Y VRDFKA
6592	Q96J02	534	$FKAKVQ\mathbf{Y}FRFWCQ$
6593	Q96J02	589	GEEGLD Y GGVARE
	~		
6594	Q96J02	614	MYCLFE Y AGKDNY
6595	Q96J02	620	YAGKDN Y CLQINP
6596	Q96J02	629	QINPAS Y INPDHL
6597	Q96J02	637	NPDHLK Y FRFIGR
	~		
6598	Q96J02	664	GFSLPF Y KRILNK
6599	Q96J02	704	ECDLEM y fsvdke
6600	Q96J02	737	EENKEE Y IRMVAE
	~		
6601	Q96J02	772	PQQYLQ Y FDAKEL

6602	Q96J02	799	WQRHAI Y RHYART
6603	Q96J02	802	HAIYRH Y ARTSKQ
6604	Q96J02	880	RLDLPP y KSYEQL
6605	Q96J02	883	LPPYKS Y EQLKEK
			==
6606	Q96JB2	407	KLCVSL Y DVFRPL
6607	Q96JB2	555	DLHGMW Y PTVRRT
6608	Q96JB2	733	SQGGPK Y TLSQQP
6609	Q96KP4	190	FFKDVD Y VCISDN
6610	Q96KP4	215	GLRGIC Y FFIEVE
6611	296KP4	456	KLNRYN Y IEGTKM
6612	Q96KQ7	736	HLEVAR Y MVQRGG
6613	Q96KQ7	952	CPEDYK Y ISENCE
6614	Q96KQ7	1097	NKDGEV Y CIDARY
6615	Q96L34	59	QPHVGN Y RLLRTI
6616	Q96L34	278	KYRVPF y MSTDCE
6617	Q96L34	357	SLTSQK Y NEVTAT
			==
6618	Q96LA8	51	QLYYEC y SDVSVH
6619	Q96LA8	70	RVRTDA Y RLGILR
6620	Q96LA8	359	LRVLLR Y KVGDQE
			==
6621	Q96LC7	45	VPCSFS Y PRQDWT
6622	Q96LC7	57	TGSTPA Y GYWFKA
6623	Q96LC7	59	STPAYG Y WFKAVT
6624	Q96LC7	116	MQDESQ Y FFRVER
6625	Q96LC7	125	RVERGS Y VRYNFM
6626	Q96LC7	128	RGSYVR Y NFMNDG
6627	Q96LC7	149	TQKPDV Y IPETLE
6628	Q96LC7	236	VRLRVA Y APRDLV
6629	Q96LC7	263	PQGNVP Y LEAQKG
6630	Q96LC7	321	AGDSGR Y TCRAEN
6631	Q96LC7	342	LDLSVQ y ppenlr
6632	Q96LC7	444	LSLSVH Y SPKLLG
6633	Q96LC7	597	HSTILDYINVVPT
6634	Q96LC7	641	KNQKKQ Y QLPSFP
6635	Q96P11	37	QNVKQL Y ALVCET
6636	Q96P11	46	VCETQR Y SAVLDA
6637	Q96P11	203	LHEHPL Y RAGHLI
6638	Q96P16	130	QLKQAL Y GDKKPR
6639	Q96P16	140	KPRKRT y EQIKVD
6640	Q96P16	265	EHKLEE Y KRKLAR
6641	Q96P70	194	VILPEM y KIFTMA
6642	Q96P70	396	DDDTFS Y TVRIAA
6643	Q96P70	889	VKGEEI Y SMDEGI
6644	Q96PD5	285	GVILGD Y LSRTPE
		435	MRSMQRYHQDTQG
6645	Q96PD5		~ ~ ~
6646	Q96PD5	486	VAIVGN¥TAALPT
6647	Q96PU5	126	PTMERP Y TFKDFL
6648	Q96PU5	211	NLGRTY Y VNHNNR
6649	Q96PU5	756	ESVDSE Y YNSLKW
6650	Q96PU8	57	RVRKDM Y NDTLNG
6651	Q96PU8	292	TPYEYPYTLAPAT
6652	Q96PU8	328	DMRVHP Y QRIVTA
6653	Q96Q83	127	IREDIT y qqprlt
6654	Q96Q83	141	WYGELP Y TYSRIT
6655	Q96Q83	181	SLLCNLYRNEKDS
6656	Q96Q89	201	PHRSRE Y LRLSSE
6657	Q96Q89	1042	SKQVKE y riqepn
6658			
	Q96Q89	1360	EEAIQQ Y ERACKD
6659	Q96R06	125	VDPLGN Y MVKTIV

6660	Q96R06	870	LEKTRQ Y SQKLGL
6661	Q96R06	1169	DIVQHĨ y KTLLSI
6662	Q96RG2	1107	DEPLAS Y IFRQLV
			==
6663	Q96RG2	1179	VLMGNP Y RGPELE
6664	Q96RG2	1218	AAIHPP Y LVSKEL
6665	Q96RI1	83	YSNLGF Y PQQPEE
6666	Q96RI1	375	SGISDEYITPMFS
6667	Q96RI1	383	TPMFSF Y KSIGEL
6668	Q96RL1	303	
			LCQLEVYQKSLKM
6669	Q96RL1	523	IERHAM Y CNGLME
6670	Q96RL1	575	LVPFRE Y QCHVDS
6671	Q96RU2	193	RRLVLS Y SLPQNV
6672	Q96RU2	220	FMQELQYLFALMM
6673	Q96RU2	323	PLQVNG Y RNLDEC
6674	Q96S19	21	==
			LHVLRQ Y LDPAQR
6675	Q96S19	139	RALLIT Y GPYAIN
6676	Q96S19	142	LITYGP Y AINGKI
6677	Q96SB4	62	QEDPND Y CKGGYH
6678	Q96SB4	181	WIIKSN Y QGLPLP
6679	Q96SB4	365	VIEVINYTQNSNN
6680			==
	Q96SD1	331	IKDFLSYLCPVNA
6681	Q96SD1	369	QSTEPK y KPLGKL
6682	Q96SD1	391	SEEEDD Y LFDDPL
6683	Q96T51	212	RGRAWL Y LALMQK
6684	Q96T51	223	QKKLAD Y LKVLID
6685	Q96T51	238	HLLSEF Y EPEALM
6686	Q96T51	285	VIDFSL Y LKDVQD
6687	Q96T51	310	VLDQKN Y VEELNR
6688	Q96T51	685	ELALPS y pkpvrv
6689	Q96T88	239	KERGFW Y DAEISR
6690	Q96T88	256	RTAREL Y ANVVLG
6691	Q96T88	458	RSNDGAYSLVLAG
6692	Q96TA1	276	
	~		QISDAV Y HMVYEQ
6693	Q96TA1	342	RNHVQPYIPSILE
6694	Q96TA1	482	VLKKYD y dsssvr
6695	Q99259	127	VDILLN y VRKTFD
6696	Q99259	340	KGYVPF Y VNATAG
6697	Õ99259	442	FOPDKO y dvsydt
6698	Q99426	64	GVDDKF Y SKLDQE
6699	Q99426	197	YWIGVR Y DEPLGK
6700	Q99426	213	SVNGKR Y FECQAK
6701	Q99459	51	QCKARW y EWLDPS
6702	Q99459	100	AQCLEH Y EFLLDK
6703	299459	511	REIDDT Y IEDAAD
6704	Q99490	15	QRRTTT Y LISLTL
			~
6705	Q99490	431	RFLTGS Y QVLEKT
6706	Q99490	442	KTESEQ Y KKEMLV
6707	Q99490	544	DMKRCS Y YETCAT
6708	Q99490	545	MKRCSY Y ETCATY
6709	Q99490	551	YETCAT Y GLNVDR
6710	Q99490	608	GGHTSDYSSSLPS
6711	Q99490	699	KEWKKK Y VTLSSN
6712	Q99490	710	SNGFLLYHPSIND
6713	Q99490	717	HPSINDYIHSTHG
6714	Q99490	870	GSLRNI Y KAEENF
6715	Q99490	1038	SWIRAK y eQLLFL
6716	Q99490	1113	TQLLLW Y GADVAA
6717	Q99490	1130	GRTALF Y ARQAGS
0,11	20010	1100	01/11/111 =111/2/100

6718	Q99497	67	AKKEGP y DVVVLP
6719	Q99497	139	MMNGGH Y TYSENR
	099497		
6720	~	141	NGGHYT Y SENRVE
6721	Q99504	96	YPGQTQ Y QTLQQT
6722	099504	208	ILGQNQ Y QACYPS
6723	Q99504	532	FGKKVT Y VVIGDG
6724	Q99536	177	VNYITA Y MVLFDF
6725	Q99536	330	$CGFHLG\mathbf{Y}LDGEVE$
6726	Q99536	349	ARLLAL Y NQGHIK
6727	Q99558	391	KLKPVD y EYREEV
6728	Q99558	555	SLLTGD Y IPGTET
6729	Q99558	682	PPNQAN Y HQTLHA
6730	Q99572	13	CSDVFQYETNKVT
			~
6731	Q99572	26	RIQSMN Y GTIKWF
6732	Q99572	40	HVIIFS Y VCFALV
6733	Q99572	51	LVSDKL y QRKEPV
			~
6734	Q99572	93	VFDTAD Y TFPLQG
6735	Q99572	122	QRLCPE Y PTRRTL
6736	Q99572	155	TGRCVV Y EGNQKT
6737	Q99572	203	DFPGHN Y TTRNIL
6738	Q99572	257	IMGIEI Y WDCNLD
6739	Q99572	273	HHCRPK Y SFRRLD
6740	Q99572	288	TTNVSL Y PGYNFR
		291	
6741	Q99572		VSLYPG Y NFRYAK
6742	Q99572	298	NFRYAK Y YKENNV
6743	099572	299	FRYAKY Y KENNVE
6744	Q99572	336	IIQLVV Y IGSTLS
	~		==
6745	Q99572	358	DFLIDT Y SSNCCR
6746	Q99572	368	CCRSHIYPWCKCC
6747	Q99572	382	PCVVNE Y YYRKKC
	~		
6748	Q99572	383	CVVNEY Y YRKKCE
6749	Q99572	384	VVNEYY Y RKKCES
6750	Q99572	400	PKPTLK y VSFVDE
6751	Q99572	529	LQFLLL Y QEPLLA
6752	Q99572	550	RLRHCA Y RCYATW
6753	Q99572	553	HCAYRC Y ATWRFG
6754	099613	106	EGVPRF y irilad
6755	Q99613	512	RILHTY Y KFDYKA
6756	Q99613	898	YRKNEG Y MRRGGY
6757	Q99615	64	CPKNAS Y YGNRAA
6758	Q99615	276	GNYKLA Y ELYTEA
6759	Q99615	351	EEAVRD Y EKVYQT
6760	Q99623	77	RIPWFQ Y PIIYDI
6761	Q99623	81	FQYPII y DIRARP
6762	Q̃99623	193	LSFSRE y taavea
	Q99627		
6763	~	55	DMNNARYLWKRIP
6764	Q99627	90	RDFPGI Y TTINAH
6765	099627	125	ALVSQA y tsiiad
6766	Q99638	48	NSSRSA Y ACFLFA
6767	Q99638	61	PLFFQQ Y QAATPG
6768	Q99638	181	RVILRS Y HEEEAD
6769	Q99638	306	NDDIDS Y MIAMET
6770	Q99640	136	
	~		KEDGRLYAVKRSM
6771	Q99640	273	QEGDPR Y MAPELL
6772	099640	319	QQLRQG Y LPPEFT
6773	Q99661	303	KVDLTK Y LENQAF
	~		
6774	Q99661	390	LKNQPC Y RKLGLE
6775	Q99661	581	TLNTLR y adrvke

6776	Q99665	62	RQGCFH Y SRRNKL
6777	Q99665	71	RNKLIL y kfdrri
	099665		
6778	~	154	GRDTHL Y TEYTLQ
6779	Q99665	177	KQCKDI Y CDYLDF
6780	Q99665	180	KDIYCD Y LDFGIN
6781	Q99665	245	VSRCTL Y WRDEGL
6782	Q99665	259	LLNRLR y rpsnsr
6783	Q99665	290	LKPFTE Y EFQISS
6784	Q99665	301	SSKLHL Y KGSWSD
6785	Q99665	329	GMLDVW Y MKRHID
6786	Q99665	336	MKRHID Y SRQQIS
6787	Q99665	360	RGKILH Y QVTLQE
6788	Q99665	454	PSAVQE Y VVEWRE
6789	Q99665	479	WLRSRP Y NVSALI
6790	Q99665	492	SENIKS Y ICYEIR
6791	Q99665	495	IKSYIC y EIRVYA
6792	Q99665	500	CYEIRV Y ALSGDQ
6793	Q99665	556	MGCLLH Y RIYWKE
6794	Q99665	559	LLHYRI Y WKERDS
6795	Q99665	576	QLCEIP Y RVSQNS
6796	Q99665	594	LQPRVT Y VLWMTA
6797		645	==
	Q99665		GIFSTHYFQQKVF
6798	Q99665	678	STCAKKYPIAEEK
6799	Q99665	767	RQLVDL Y KVLESR
6800	Q99683	147	TVLDRF Y NADIAV
6801	Q99683	167	RQPSLF Y HLGVRE
6802	Q99683	184	ANNIIL Y CDTNSD
6803	Q99683	210	TMCTGNYTFVPYM
6804	Q99683	224	TPHNKV Y CCDSSF
6805	Q99683	271	QASSSQ Y FRESIL
6806	Q99683	327	YRDIQD Y DSIVKL
6807	Q99683	390	QVASDM Y CLVGRI
6808	Q99683	435	LQSGIN Y AVLLLA
6809	Q99683	521	VETILI y KHFVKL
6810	Q99683	570	LEPTKI Y QPSYLS
6811	Q99683	574	KIYOPS Y LSINNE
6812	Q99683	636	SDDFQI Y FCTELH
6813	Q99683	673	ESDLLE Y DYEYDE
6814	Q99683	677	LEYDYE Y DENGDR
6815	Q99683	783	EQTIGF Y TKQILE
6816	Q99683	814	NVLINT Y SGVLKI
6817	Q99683	845	FTGTLQ Y MAPEII
6818	Q̃99683	858	DKGPRG Y GKAADI
6819	Q99683	882	TGKPPF Y ELGEPO
6820	Q99683	961	SAGSNE Y LRSISL
6821	Q99683	982	TSSSSE Y GSVSPD
6822	Q99683	1342	TLLDVL Y YVTRDD
6823	Q99683	1343	LLDVLY Y VTRDDL
6824	Q99704	30	KTWAVL Y PASPHG
6825	Q99704	146	MLENSL Y SPTWEG
6826	099704	174	CGLHGS Y VLRVEA
6827	099704	203	PLLSWP Y TLLRRY
6828	Q99704 Q99704	209	
	~		YTLLRR Y GRDKVM
6829	Q99704	315	PSQDSL Y SDPLDS
6830	Q99704	402	EGYELP Y NPATDD
6831	Q99708	228	ILVADT y DQSQSP
6832	Q99708	780	KAFVEP y FKGDER
6833	Q99708	820	KECEIY Y ADMPAE
	~		<u> </u>

6834	Q99759	377	GAFGRV Y LCYDVD
6835	299759	427	HERIVQ Y YGCLRD
6836	Q99759	532	SVTGTP Y WMSPEV
6837	Q99828	16	KELLAE Y QDLTFL
6838	Q99828	110	PDIKSH Y AFRIFD
6839	Q99832	111	LKQVKP Y VEEGLH
6840	Q99832	222	FKKTFS Y AGFEMQ
6841	Q99832	438	QLLIGA Y AKALEI
6842	Q99935	53	PSPPPP Y DSRLNS
6843	Q99935	102	PRLFPGYPNLHFP
6844	Q99935	113	FPLRPY Y VGPIRI
6845	Q99958	56	AGMGRS Y APYHHH
6846	Q99958	59	GRSYAP Y HHHQPA
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6847	Q99958	488	RSTPPL Y RHAAPY
6848	Q99983	39	QEPDDD Y QTGFPF
6849	Q99983	58	GVPFHQ Y TLGCVS
6850	Q99983	306	RNLEHL Y LQNNEI
			==
6851	Q99986	142	SDLQKI Y EANAKR
6852	Q99986	198	QVYLVD Y GLAYRY
6853	Q99986	202	VDYGLA Y RYCPEG
6854	Q9BPZ7	268	LALVEK Y SSPGLT
	~		
6855	Q9BPZ7	457	AIFKLT Y LSNHDY
6856	Q9BPZ7	484	IVLKVN y ILESRA
6857	Q9BQ15	74	IRLTKG Y ASVFKG
6858	Q9BQ15	85	KGCLTL Y TGRGGD
6859	Q9BQ15	115	SEPNPE Y STQQAP
6860	Q9BQA1	36	QLEAAR y rsdgal
6861	Q9BQA1	122	VSKFCK Y EHDDIV
6862	Q9BQA1	163	QVVLSS Y RAHAAQ
6863	Q9BR39	82	TKGRWL Y KGEWTH
6864	Q9BR39	94	HGFKGR Y GIRQSS
6865	Q9BR39	326	DNLRHG Y GCTTLP
6866	Q9BR76	283	PDTSVV Y VCGKGD
6867	Q9BR76	364	LFQDDL y PDTAGP
6868	Q9BR76	396	ISLREA y vpskor
6869	Q9BRK3	278	CHLHHH Y CGLHER
	~		
6870	Q9BRK3	372	RRGGYE Y SDQKSG
6871	Q9BRK3	429	SPLPAK y IDLDKG
6872	Q9BSJ6	187	AAFRSP Y SSTEPL
6873	Q9BT78	26	KDLAGK y rqilek
			==
6874	Q9BT78	139	ETGQKQ Y NVDYKL
6875	Q9BT78	155	LKIARL y ledddp
6876	Q9BTC0	928	PNVDRT Y FPGPPG
6877	Q9BTC0	1024	SSPDPRYLSVPPS
6878	Q9BTC0	1860	EFQDAP Y NEVTGA
6879	Q9BTM9	84	LLGELD Y QLQDQD
6880	Q9BTY2	304	DKLSWG Y RREAGI
6881	Q9BTY2	386	VTPDVW Y TSKPKE
6882	Q9BTY2	396	PKEKLV Y AIFLKW
6883	Q9BTY7	175	ARAPLH y laplls
6884	Q9BTY7	272	LPVDLQ Y LPPDKQ
6885	Q9BTY7	312	VRDQGA Y LILREL
			==
6886	Q9BUB5	48	GKFEDM Y KLTSEL
6887	Q9BUB5	99	REVETL Y QCQGNK
6888	Q9BUB5	333	SIQEGKYEFPDKD
			==
6889	Q9BV73	66	QAKVLQ Y RSWCQE
6890	Q9BV73	169	QEFFKG Y LKGEHG
6891	Q9BV73	381	IFSQFD Y QDADKA
	~		~ ~ :

6892	Q9BV86	19	YSKAKT Y WKQIPP
6893	Q9BV86	34	DGMLGG Y GHISSI
6894	Q9BV86	215	NLPDEI Y HVYSFA
6895	Q9BWF3	37	CDIIKN Y GFVHIE
6896	Q9BWF3	201	GAVRTP Y TMSYGD
6897	Q9BWF3	221	YGALDA Y YKRCRA
6898	Q9BWT1	262	NSREKI Y NRSLGS
6899	Q9BWT1	305	PCLRNR Y GEEVRD
6900	Q9BWT1	346	ATGVLV Y LAKYHG
6901	Q9BX63	19	
	~		VKIYFP Y KAYPSQ
6902	Q9BX63	461	YLVERD Y ESACKI
6903	Q9BX63	916	EVTSLK Y STPPYL
6904	Q9BX84	832	PWTRKV Y EFYSAP
6905	Q9BX84	1341	RQAHSK Y GQFLLV
6906	Q9BX84	1710	QEPHHH Y SAIERN
6907	Q9BXA7	30	AKVKSA Y SERLKF
6908	Q9BXA7	87	TSHGKV Y IVMELA
6909	Q9BXA7	192	VLQGIP Y QPKVYD
6910	Q9BXM7	171	GCSAAV Y EATMPT
6911	Q9BXM7	253	VALAGE Y GAVTYR
6912	Q9BXM7	404	LPFSSW Y VDRGGN
6913	Q9BXS0	51	AVVSCL Y LGVKTN
6914	Q9BXS0	102	LLAQKS Y EHMAKI
6915	Q9BXS0	431	ATEIID Y NGNLHE
6916	Q9BXS5	267	EFELMS Y RLNTHV
	~		
6917	Q9BXS5	354	FPGGKE Y LMRAHF
6918	Q9BXS5	403	IIEKSG Y QALPWV
6919	Q9BXS6	202	MESIDQ Y IERKKK
6920		388	==
	Q9BXS6		QSKENN Y LNQHVN
6921	Q9BXS6	399	VNRINF Y KKTYKQ
6922	Q9BXW9	131	ASMGAS Y SKSLIK
6923	Q9BXW9	468	FKFFDT Y CQQEVV
	~		~~
6924	Q9BXW9	733	PLCLAP Y FRLLRL
6925	Q9BY32	87	GGLPGP Y IKWFLE
6926	Q9BY32	113	FEDKSA Y ALCTFA
6927	09BY32	164	DGYEQT y aempka
	~		~
6928	Q9BY41	75	TFHTDA Y LQHLQK
6929	Q9BY41	241	IQDEKY Y QICESV
6930	Q9BY41	368	IQQILN Y IKGNLK
6931	Q9BY44	17	RGSEGL Y MVNGPP
6932	Q9BY44	322	PRNAAY Y SPHGHI
6933	Q9BY44	349	VWDVKN Y KLISKP
6934	Q9BY77	182	QAKQNL Y DLDEDD
6935	Q9BY77	331	DDAITA Y KKYNNR
6936	Q9BY77	334	ITAYKK Y NNRCLD
6937	Q9BY84	88	SQKVVV y dQSSQD
6938	Q9BY84	294	LGQLLD Y EKKIKN
6939	Q9BY84	558	SLTSSWYFATESS
6940	Q9BYE7	183	HQTQPL Y NIRLDR
6941	Q9BYE7	214	KQMHDF Y KERGLE
6942	Q9BYE7	340	GLLVLH Y GLVVSP
6943	Q9BYG3	48	LTPGVV Y VRHLPN
6944	Q9BYG3	109	AETMNN Y LFGERL
6945	Q9BYG3	183	AKKGID Y DFPSLI
6946	Q9BYV9	234	YPRYKK Y QLACTK
6947	Q9BYV9	392	TPFTGN Y GQPHVG
			==
6948	Q9BYV9	480	LPSSQAYSHGGLM
6949	Q9BZE4	176	TLLLCGYPNVGKS

6950				
6951 Q9BZL4 539	6950	09BZE4	416	TI,DI,OK Y WDI,MNI,
6952				==
6954 Q9BZL4 152		~		~
6955 Q9BZL6 87 FPECGFYGLYDKI 6956 Q9BZL6 90 CGFYGLYDKILLF 6957 Q9BZL6 146 ALTYHSYRAPAFC 6958 Q9BZL6 176 DGCGLYMHKRCAF 6959 Q9BZL6 246 SSSASSYTGRPIE 6960 Q9BZL6 378 AQSSLGYIPLMRV 6961 Q9BZL6 378 AQSSLGYIPLMRV 6962 Q9BZL6 407 EGWVVHYSNKDTL 6963 Q9BZL6 418 TLRKRHYWRLDCK 6964 Q9BZL6 437 NNTTNRYYKEIPL 6965 Q9BZL6 437 NNTTNRYYKEIPL 6966 Q9BZL6 549 VDIATVYQIFFDE 6967 Q9BZL6 566 GQFGVVYGGKHKK 6968 Q9BZL6 549 VDIATVYQIFFDE 6969 Q9BZL6 728 VLLNQGYNRSDLM 6970 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 769 GKMERRYSVDKSL 6973 Q9BZL6 810 HPWLQEYGTWLDL 6973 Q9BZL6 827 GKMERRYTHESD 6974 Q9BZS1 342 MRPFFTYATLIRW 6975 Q9BZS1 342 MRPFFTYATLIRW 6976 Q9BZS1 342 MRPFFTYATLIRW 6976 Q9BZS1 344 RTINEIHWFTRM 6977 Q9BZZ5 261 STRFVTYCEQVL 6978 Q9BZZ5 497 NLGMENYBOGAF 6980 Q9GZN2 38 ILRDWLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNA 6982 Q9GZN2 45 LHRYNAYPSE 6983 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6987 Q9GZT4 231 KLMPNLYPPETIA 6988 Q9GZT4 231 KLMPNLYPPETIA 6989 Q9GZY1 15 GVGALAYKAPEAL 6980 Q9GZY1 293 AVRLNYKIKLL 6991 Q9GZY5 141 TATGGRYFINHIE 6992 Q9GZY5 141 TATGGRYFINHIE 6993 Q9GZY5 141 TATGGRYFINHIE 6994 Q9GZY7 64 ELLELRYISDWDL 6998 Q9GZY7 144 IFFARLYFCEDR 6999 Q9GZY6 190 PASSRYQNFSKG 6999 Q9GZY6 110 HGSEEAYIDPIAM 6998 Q9GZY6 110 HGSEEAYIDPIAM 6999 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6991 Q9GZY6 110 HGSEEAYIDPIAM 6992 Q9GZY6 110 HGSEEAYIDPIAM 6993 Q9GZY6 110 HGSEEAYIDPIAM 6996 Q9GZY6 110 HGSEEAYIDPIAM 6997 Q9GZY6 110 HGSEEAYIDPIAM 6998 Q9GZY6 110 HGSEEAYIDPIAM 6999 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9HOG3 241 SLGYLLYLLYHUGT	6952	Q9BZL4	146	VAASCG Y LDIARY
6955 Q9BZL6 87 FPECGFYGLYDKI 6956 Q9BZL6 90 CGFYGLYDKILLF 6957 Q9BZL6 146 ALTYHSYRAPAFC 6958 Q9BZL6 176 DGCGLYMHKRCAF 6959 Q9BZL6 246 SSSASSYTGRPIE 6960 Q9BZL6 378 AQSSLGYIPLMRV 6961 Q9BZL6 378 AQSSLGYIPLMRV 6962 Q9BZL6 407 EGWVVHYSNKDTL 6963 Q9BZL6 418 TLRKRHYWRLDCK 6964 Q9BZL6 437 NNTTNRYYKEIPL 6965 Q9BZL6 437 NNTTNRYYKEIPL 6966 Q9BZL6 549 VDIATVYQIFFDE 6967 Q9BZL6 566 GQFGVVYGGKHKK 6968 Q9BZL6 549 VDIATVYQIFFDE 6969 Q9BZL6 728 VLLNQGYNRSDLM 6970 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 769 GKMERRYSVDKSL 6973 Q9BZL6 810 HPWLQEYGTWLDL 6973 Q9BZL6 827 GKMERRYTHESD 6974 Q9BZS1 342 MRPFFTYATLIRW 6975 Q9BZS1 342 MRPFFTYATLIRW 6976 Q9BZS1 342 MRPFFTYATLIRW 6976 Q9BZS1 344 RTINEIHWFTRM 6977 Q9BZZ5 261 STRFVTYCEQVL 6978 Q9BZZ5 497 NLGMENYBOGAF 6980 Q9GZN2 38 ILRDWLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNA 6982 Q9GZN2 45 LHRYNAYPSE 6983 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT4 231 KLMPNLYPPETIA 6987 Q9GZT4 231 KLMPNLYPPETIA 6988 Q9GZT4 231 KLMPNLYPPETIA 6989 Q9GZY1 15 GVGALAYKAPEAL 6980 Q9GZY1 293 AVRLNYKIKLL 6991 Q9GZY5 141 TATGGRYFINHIE 6992 Q9GZY5 141 TATGGRYFINHIE 6993 Q9GZY5 141 TATGGRYFINHIE 6994 Q9GZY7 64 ELLELRYISDWDL 6998 Q9GZY7 144 IFFARLYFCEDR 6999 Q9GZY6 190 PASSRYQNFSKG 6999 Q9GZY6 110 HGSEEAYIDPIAM 6998 Q9GZY6 110 HGSEEAYIDPIAM 6999 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6991 Q9GZY6 110 HGSEEAYIDPIAM 6992 Q9GZY6 110 HGSEEAYIDPIAM 6993 Q9GZY6 110 HGSEEAYIDPIAM 6996 Q9GZY6 110 HGSEEAYIDPIAM 6997 Q9GZY6 110 HGSEEAYIDPIAM 6998 Q9GZY6 110 HGSEEAYIDPIAM 6999 Q9GZY6 110 HGSEEAYIDPIAM 6990 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9GZY6 110 HGSEEAYIDPIAM 6900 Q9HOG3 241 SLGYLLYLLYHUGT	6953	09B7T.4	152	YI.DTAR Y I.I.SHGA
6955		~		
6956		~		
6957 Q9BZL6	6955	Q9BZL6	87	FPECGF Y GLYDKI
6957 Q9BZL6	6956	09BZI.6	90	CGFYGL Y DKTLLF
6958				
6959				
6960 Q9BZL6 272 TFILHSYTRPTVC 6961 Q9BZL6 378 AQSSLGYIPLMRV 6962 Q9BZL6 407 EGWVHYSNKDTL 6963 Q9BZL6 418 TLKRRHYWRLDCK 6964 Q9BZL6 437 NNTTNRYYKEIPL 6965 Q9BZL6 476 VTANATYPVGEMP 6966 Q9BZL6 549 VDLATVYQIFPDE 6967 Q9BZL6 566 GQFGVVYGKHRK 6968 Q9BZL6 742 SVGVIMYVSLSGT 6970 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 768 QNAAFMYPASPWS 6971 Q9BZL6 810 HPWLQEYQTWLDL 6973 Q9BZL6 827 GKMGERYITHESD 6974 Q9BZS1 342 MRPPFTYATLIRW 6975 Q9BZS1 342 MRPPFTYATLIRW 6976 Q9BZS1 342 MRPPFTYATLIRW 6977 Q9BZS1 342 MRPPFTYATLIRW 6977 Q9BZS2 261 STRFVTYPCEQVL 6978 Q9BZZ5 317 FDKLLEYMPIPPE 6979 Q9BZZ5 317 FDKLLEYMPLPPE 6979 Q9BZZ5 497 NLGNFNYEDGAF 6980 Q9GZN2 38 ILRDWLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNAYPSE 6983 Q9GZT4 127 YGASIVYCEPSDE 6984 Q9GZT4 207 KFSVKVYAAEPSN 6985 Q9GZT4 207 KFSVKVYAAEPSN 6986 Q9GZT9 163 QEKANLYPPSNTP 6987 Q9GZT9 390 YATTVWYFDADER 6988 Q9GZT9 163 QEKANLYPPSNTP 6988 Q9GZT9 163 QEKANLYPPSNTP 6988 Q9GZT9 163 QEKANLYPPSNTP 6988 Q9GZT9 163 QEKANLYPPSNTP 6989 Q9GZV1 15 GVGALAYKAPEAL 6991 Q9GZV5 141 TATGQRYFINHIE 6992 Q9GZV5 141 TATGQRYFINHIE 6993 Q9GZV5 141 TATGQRYFINHIE 6994 Q9GZY7 144 IMTFKDYFYCWNT 6996 Q9GZY7 144 IMTFKDYFYCWNT 6997 Q9GZY6 95 DPASSRYQNFSKG 6999 Q9GZY6 110 HGSEAAYLDPIAM 7001 Q9GZY6 110 HGSEAAYLDPIAM 7002 Q9GZY6 110 HGSEAAYLDPIAM 7003 Q9H063 95 SRKTLFYLIATLN 7005 Q9H063 95 SRKTLFYLIATLN 7005 Q9H063 95 SRKTLFYLIATLN 7005 Q9H063 95 SRKTLFYLIATLN	6958	Q9BZL6	176	DGCGLNYHKRCAF
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6973	6972	09BZI6	810	HPWI.OF.YOTWI.DI.
6974 Q9BZS1 191 AVPQSSYPLLANG 6975 Q9BZS1 342 MRPPFTYATLIRW 6976 Q9BZS1 364 RTLNEIYHWFTRM 6977 Q9BZZ5 261 STRFVTYFCEQVL 6978 Q9BZZ5 317 FDKLLEYMPLPPE 6979 Q9BZZ5 497 NLGNFNYEQRGAF 6980 Q9GZN2 38 ILRDWLYLHRYNA 6981 Q9GZN2 42 WLYLHRYNAYPSE 6982 Q9GZN2 45 LHRYNAYPSEQEK 6983 Q9GZT4 127 YGASIVYCEPSDE 6984 Q9GZT4 207 KPSVKVYAAEPSN 6985 Q9GZT4 231 KLMPNLYPPETIA 6986 Q9GZT9 163 QEKANLYPPSNTP 6987 Q9GZT9 390 YAITVWYFDADER 6988 Q9GZT9 403 ARAKVKYLTGEKG 6989 Q9GZV1 15 GVGALAYKAPEAL 6990 Q9GZV1 293 AVVLNRYKIIKLL 6991 Q9GZV5 118 HLRQQSYDVTDEL 6992 Q9GZV5 141 TATGQRYFLNHIE 6993 Q9GZV7 64 ELLFLRYISDWDL 6995 Q9GZX7 144 IFTARLYFCEDRK 6996 Q9GZX7 144 IFTARLYFCEDRK 6996 Q9GZX7 144 IFTARLYFCEDRK 6997 Q9GZY6 40 KRSEKIYQQRSLR 6998 Q9GZY6 40 KRSEKIYQQRSLR 6999 Q9GZY6 10 HGSEAYUPTIAM 6997 Q9GZY6 11 HGSEAYUPTIAM 6997 Q9GZY6 11 HGSEAYUPTIAM 6999 Q9GZY6 11 HGSEAYUPTIAM 6999 Q9GZY6 11 HGSEAYUPTIAM 6999 Q9GZY6 11 HGSEAYUPTIAM 7001 Q9GZY6 11 HGSEAYUPTIAM 7002 Q9GZY6 11 PIAMEYYNWGRF 7003 Q9H063 32 IGRIESYSCKMAG 7004 Q9H063 95 SRKTLFYLIATLN 7005 Q9H063 166 LAECDIYSYNPDL 5 SLGVLLYILVHGT				~ ~
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7005 Q9H063 166 LAECDI Y SYNPDL 7006 Q9H093 241 SLGVLL Y ILVHGT				
7006 Q9H093 241 SLGVLL Y ILVHGT				
	7005	Q9Н063	166	LAECDI Y SYNPDL
	7006	09Н093	241	SLGVLLYTIVHGT
1001 QHIDDO ZOI QIBNGAIREPERP				
	1001	Q 9110 93	201	ŽIDNQV I VDLLIVL

7008				
7009	7008	09Н093	307	WWVNWG Y ATRVGE
7010				
7011		~		
7012	7010	Q9H0H5	459	NSIAAM Y QAVGEL
7012	7011	O9H0H5	538	T.ST.PT.EVWSOFMM
7013		~		==
7014		~		ETKSML Y LVTEYA
7014	7013	O9H0K1	700	ONTCOLYCKEPPR
7015		~		
7016		~		
7017	7015	Q9H0N0	42	DSFDNT Y QAIIGI
7017	7016	ONHONO	56	FT.SKTMVI.FDCTT
TO18		~		
TO19	/01/	Q9H0N0	223	LPQKPP Y SFIDCS
TO19	7018	O9H0S4	170	NIRALKYLVMDEA
7020		~		
7021		~		
TO22	7020	Q9H0S4	370	$ITFVTQ\mathbf{Y}DVELFQ$
TO22	7021	O9H1A/	1/12	DK GEK Y A G G M E M E
7023				
7024	7022	Q9H1A4	238	GSSRVQYVVDHAM
7024	7023	О9Н1А4	322	TSPFONYSSIHSO
TO25				
7026				
7026	7025	Q9H1A4	670	LMNMMG Y NTDRLA
7027 Q9H1A4 715 YLLNSDYHQNVES 7028 Q9H1A4 770 FVLHLVYEELKLN 7029 Q9H1A4 862 GMPYPYLFGICE 7030 Q9H1A4 860 VLSIALYILGDES 7031 Q9H1A4 1054 RVNVVQYEELSDH 7033 Q9H1A4 1172 AELANEYAGFLMA 7034 Q9H1A4 1196 TLNIHDYLTKGHE 7035 Q9H1A4 1261 VGIGLVYQGTAHR 7036 Q9H1A4 1350 KHKSPSYQIKEGD 7037 Q9H1A4 1394 RAPDTMYLLDFVK 7038 Q9H1A4 1463 LSQAHVYIIAGAC 7039 Q9H1A4 1572 FLGGRYSLSTSN 7041 Q9H1A4 1572 FLGGRYSLSTSN 7041 Q9H1A4 1601 HSTDNRYHLQALR 7042 Q9H1A4 1638 ALLEVTYKCTOWY 7044 Q9H1A4 1891 LACFLVYHSVPAP 7045 Q9H1D0 318 PLTSTLYDLTEID 7047 Q9H				
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7030 Q9H1A4 980 VLSIALYILGDES 7031 Q9H1A4 960 PIRDAIYHCREQP 7032 Q9H1A4 1054 RVNVVQYPELSDH 7033 Q9H1A4 1172 AELANEYAGFLMA 7034 Q9H1A4 1196 TLNIHDYLTKGHE 7035 Q9H1A4 1350 KHKSPSYQIKEGD 7037 Q9H1A4 1350 KHKSPSYQIKEGD 7038 Q9H1A4 1463 LSQAHVYIIAGAC 7039 Q9H1A4 1463 LSQAHVYIIAGAC 7040 Q9H1A4 1572 FLGGGRYSLSTSN 7041 Q9H1A4 1601 HSTDNRYHLQALR 7042 Q9H1A4 1630 ALEVTYKGTQWY 7044 Q9H1A4 1638 ALLEVTYKGTQWY 7044 Q9H1A4 1891 LACFIVYHSVPAP 7045 Q9H1D0 318 PLTSTLYDLTEID 7047 Q9H1D0 318 PLTSTLYDLTEID 7048 Q9H1Y3 137 TLTVLAYERYIRV 7050 Q				
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7033 Q9H1A4 1172 AELANEYAGFLMA 7034 Q9H1A4 1196 TLNIHDYLTKGHE 7035 Q9H1A4 1261 VGIGLVYQGTAHR 7036 Q9H1A4 1350 KHKSPSYQIKEGD 7037 Q9H1A4 1394 RAPDTMYLLDFVK 7038 Q9H1A4 1463 LSQAHVYIIAGAC 7039 Q9H1A4 1498 AKDFMTYLSAPNA 7040 Q9H1A4 1572 FLGGGRYSLSTSN 7041 Q9H1A4 1601 HSTDNRYHQALR 7042 Q9H1A4 1610 QALRHLYVLAAEP 7043 Q9H1A4 1638 ALLEVTYKGTQWY 7044 Q9H1A4 1891 LACFLVYHSVPAP 7045 Q9H1D0 318 PLTSTLYDLTEID 7046 Q9H1D0 318 PLTSTLYDLTEID 7047 Q9H1D0 587 IDGPANYNVDLPF 7048 Q9H1Y3 137 TLTVLAYERYIRV 7050 Q9H1Y3 222 GV1AHCYHYLYR 7051 Q9				
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7034 Q9H1A4 1196 TLNIHDYLTKGHE 7035 Q9H1A4 1261 VGIGLVYQGTAHR 7036 Q9H1A4 1350 KHKSPSYQIKEGD 7037 Q9H1A4 1394 RAPDTMYLLDFVK 7038 Q9H1A4 1463 LSQAHVYIIAGAC 7039 Q9H1A4 1498 AKDFMTYLSAPNA 7040 Q9H1A4 1572 FLGGGRYSLSTSN 7041 Q9H1A4 1601 HSTDNRYHLQALR 7042 Q9H1A4 1610 QALRHLYVLAAEP 7043 Q9H1A4 1638 ALLEVTYKGTQWY 7044 Q9H1A4 1891 LACFLVYHSVPAP 7045 Q9H1D0 318 PLTSTLYDLTEID 7047 Q9H1D0 318 PLTSTLYDLTEID 7047 Q9H1Y3 66 LLVLVLYYKFQRL 7049 Q9H1Y3 137 TLTVLAYERYIRV 7050 Q9H1Y3 222 GVIAHCYGHILYS 7051 Q9H211 170 GEKAPAYGHAL 7052 Q9H2	7033	O9H1A4	1172	AET, ANE Y AGET, MA
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7107 Q9H5V8 284 EERVEYYIPGSTT 7108 Q9H5V8 345 NESNKIYVVDLSN 7109 Q9H5V8 422 SCTDHRYCQRKSY 7110 Q9H5V8 428 YCQRKSYSLQVPS 7111 Q9H5V8 482 CNTSFSYLVASAI 7112 Q9H5V8 494 IPSQDLYFGSFCP 7113 Q9H5V8 540 TVSFIPYFKEEGV 7114 Q9H5V8 558 DTKSKVYLRTPNW 7115 Q9H5V8 707 GPAVGIYNDNINT 7116 Q9H5V8 743 IEDTMVYGHLLQD 7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL		~		KEERVEYYTPGST
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7110 Q9H5V8 428 YCQRKSYSLQVPS 7111 Q9H5V8 482 CNTSFSYLVASAI 7112 Q9H5V8 494 IPSQDLYFGSFCP 7113 Q9H5V8 540 TVSFIPYFKEEGV 7114 Q9H5V8 558 DTKSKVYLRTPNW 7115 Q9H5V8 707 GPAVGIYNDNINT 7116 Q9H5V8 743 IEDTMVYGHLLQD 7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL				
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7113 Q9H5V8 540 TVSFIPYFKEEGV 7114 Q9H5V8 558 DTKSKVYLRTPNW 7115 Q9H5V8 707 GPAVGIYNDNINT 7116 Q9H5V8 743 IEDTMVYGHLLQD 7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL				
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7115 Q9H5V8 707 GPAVGIYNDNINT 7116 Q9H5V8 743 IEDTMVYGHLLQD 7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL	7114	O9H5V8	558	DTKSKV y lrtpnw
7116 Q9H5V8 743 IEDTMVYGHLLQD 7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL				
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7117 Q9H5V8 762 QPEVDTYRPFQGT 7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL	7116	Q9H5V8	743	IEDTMV y GHLLQD
7118 Q9H5V8 806 ESESEPYTFSHPN 7119 Q9H706 30 DLLVSTYRLPQIA 7120 Q9H706 52 GLRENDYLLIHSC 7121 Q9H706 74 SLEEGHYVIGPKI 7122 Q9H706 86 IEIPVHYAGQFKL			762	
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7122 Q9H706 86 IEIPVH Y AGQFKL				
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1143 QUITO 121 AFFEKVIVMEDIT				
	1123	Ω2H1U0	121	AL LEKA A AMEDIT

7124	Q9H706	144	NEDTEV Y NITLCT
7125	Q9H706	164	GQAEIL Y AKTFKE
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7126	Q9H706	260	PPPRNP Y DLHFIR
7127	Q9H706	271	IREGHR Y KFVNIQ
7128	Q9H706	339	QFDIDE Y SRAVRD
7129	Q9H706	374	VPNSLS Y ARDELT
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7130	Q9H706	391	RLSVCV Y GNNLHG
7131	Q9H706	423	PHDILP Y QDSGDS
7132	о́9н706	433	GDSGSD Y LFPEAS
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7133	Q9H706	570	PSPTLS Y YSSGLH
7134	Q9H706	571	SPTLSY Y SSGLHN
7135	Q9H706	596	STPVSCYPCNRVK
7136	о́9н706	630	LSWPNHYSGASES
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7137	Q9H706	650	LDPSRS Y SYPRQK
7138	Q9H706	652	PSRSYS Y PRQKTP
7139	Q9H706	701	CPKSAS Y SLESTD
7140	Q9H706	767	DLSEDQ Y FVKKGM
7141	Q9H706	781	DIFSASYPFSSPL
7142	Q9H7P6	93	KSKVTR Y LCFTRS
7143	Q9H7P6	176	KQAPPQ Y TFIGEL
7144	Q9H7P6	249	YQHSNL Y AISAMD
7145	Q9H7X0	136	DHCKAI Y LHVLTT
7146	Q9H7X0	164	HHYLPY Y YSIRGV
7147	Q9H7X0	180	GFTYVL Y INGGHP
7148	Q9H7Z6	223	MKYEKS Y RFHLGQ
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7149	Q9H7Z6	277	LDHKTL Y FDVEPF
7150	Q9H7Z6	361	DLGKLS y rsywsw
7151	Q9Н8М9	24	SNILAA Y SFVSEN
7152	Q9H8M9	37	PERAAL Y FVSGVC
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7153	Q9H8S9	26	PEGSHQ Y ELLKHA
7154	Q9H8S9	93	MSAGPR Y EYHWAD
7155	Q9H8S9	114	KCSAPK Y IDYLMT
7156	Q9H8V3	172	FSCRPL Y CTSMMN
	~		
7157	Q9H8V3	352	RAGETM Y LYEKAN
7158	Q9H8V3	547	KDLVKT Y PPFVNF
7159	Q9Н8Ү8	17	GGGTEG Y HVLRVQ
7160	Q9H8Y8	164	AKPLKL Y VYNTDT
	~		
7161	Q9H8Y8	166	PLKLYV Y NTDTDN
7162	Q9Н9В4	54	RKIVHD Y RQGIVP
7163	Q9Н9В4	73	ELWRAK y iydsaf
7164	Q9H9B4	133	FNAVVN Y TNRSGD
7165	Q9HAW4	81	
	~		SPEKTTYDSAEEE
7166	Q9HAW4	843	EDSQDL Y NASPEP
7167	Q9HAW4	887	$ exttt{RNHRNQ}\mathbf{Y} exttt{QALKPR}$
7168	о́9нв71	71	APITTG Y TVKISN
7169	Q9HB71	78	TVKISN Y GWDQSD
7170	Q9HB71	199	NVLKKI Y EDGDDD
7171	Q9HB75	651	RRLLER y rgpeps
7172	Q9HB75	724	RGQVSF Y RGAVPV
7173	Q9HB75	880	ELGRRK Y QDSIRR
7174	Q9НВ96	394	TSFCAK y TYPVCS
7175	Q9HB96	396	FCAKYT Y PVCSAL
7176	Q9НВ96	500	LTVMTK Y QANITE
7177	Q9HBH9	156	EEEDRF Y LVFEKM
7178	Q9НВН9	272	SEEASI Y DKRCDL
7179	Q9НВН9	292	YILLSG Y PPFVGR
7180	Q9HBL0	559	MVNGGG Y PYESAS
7181	Q9HBL0	796	GRSYSP Y DYQPCL
1101	חתחוונא	130	GIVOTOL TOTĂLCT

7182	Q9HBL0	1345	QSSASG Y QAPSTP
7183	Q9HBV2	149	PLNRFK Y MWKLLR
7184	Q9HBV2	200	TIKFTV Y TSSELQ
7185	о́9нвv2	269	EQSSVR y kdstsī
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7186	Q9HC16	59	IFRGQV Y SELKYH
7187	Q9HC16	219	RGRHET Y LCYEVE
	~		
7188	Q9HC16	222	HETYLC Y EVERMH
7189	Q9HC77	221	$ exttt{TCCFPS} exttt{Y} exttt{VYPDPT}$
7190	Q9HC77	223	CFPSYV Y PDPTQE
7191	Q9HC77	1096	EKYKKN y LPMQGN
7192	Q9HC98	152	ERTVWK y fvQlcs
7193	Q9HC98	224	RIHENG Y NFKSDI
7194	Q9HC98	238	SLGCLL y emaalq
7195	Q9HCC9	10	RFRKWL Y KPKRSD
7196	Q9HCC9	239	VCGLVV Y ADGPLN
7197	Q9HCC9	595	GVIGAS Y AAGLAK
7198	Q9HCE9	115	FFVTAT y ESLLRG
7199	Q9HCE9	150	CEEDFI Y ENVESE
7200	Q9HCE9	897	RQAQHR Y QQQQRR
7201	Q9HCN4	76	IRDTVK y KEVMKQ
7202	Q9HCN4	219	LNQETTYVSNLTR
7203	Q9HCN4	265	TSAAEE y ereyrp
7204	Q9HCQ7	41	LHSKEN Y DKYSEP
7205	Q9HCQ7	44	KENYDK Y SEPRGY
7206	Q9HCQ7	162	${\sf CANDLFYSMTCQH}$
7207	Q9HCX4	502	ATEAQL Y VDQHVQ
7208	Q9HCX4	603	MFNLYS Y YRGAKY
7209	Q9HCX4	791	KRLIKR y vlkaqv
	Q9HD40	429	
7210	~		MSHTNN Y PCAYLN
7211	Q9HD40	433	NNYPCA Y LNAASA
7212	Q9HD40	473	KESDDN y DKTEDV
	~		
7213	Q9NP72	78	TLTPSY y rgaqgv
7214	Q9NP72	88	QGVILV y dvtrrd
7215	Q9NP72	109	LNELET Y CTRNDI
	~		
7216	Q9NP79	36	RDPVVA Y YCRLYA
7217	Q9NP79	37	DPVVAY Y CRLYAM
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7218	Q9NP79	285	AGSALQ y EDVSTA
7219	Q9NPD3	12	LLSDQG y rvdgrr
7220	Q9NPD3	76	ALVNCQ Y SSATFS
7221	Q9NPD3	135	QADGGT Y AACVNA
7222	Q9NQ92	128	$\mathtt{ADQGNPYDADDIQ}$
7223	Q9NQ92	155	
			PQGDMIYDPSWHH
7224	Q9NQ92	168	PPPLIP y YSKMVF
7225	Q9NQC3	251	SFKEHE Y LGNLST
7226	Q9NQC3	694	QETEAP y isiacd
7227	Q9NQC3	1057	TISFRI y KGVIQA
7228	Q9NQC7	376	KSKNTW Y IDEVAE
7229	Q9NQC7	653	PLRIYG Y VCATKI
7230	Q9NQC7	947	DAYMCM Y QSPTMS
7231	Q9NQR1	98	QSKIYS Y MSPNKC
7232	Q9NQR1	312	DPSTGC Y MYYFQY
7233	Q9NQR1	318	YMYYFQ Y LSKTYC
7234	Q9NQS7	322	QVLAQK y slvakq
7235	Q9NQS7	453	ARRKRS y kqavse
7236	Q9NQS7	822	KINPDN Y GMDLNS
7237	Q9NQT5	109	DSQQKR Y VPVKGD
7238	Q9NQT5	143	EPASLS Y LSFEGA
7239	Q9NQT5	225	QEVGKL y pleivf

7240	Q9NQT8	154	VSYMEI y nekvrd
7241	Q9NQT8	1450	SNLAAS Y LNPVKS
7242	Q9NQT8	1758	FRCNPGYGLLVRP
	~ ~		
7243	Q9NQX4	747	RAGQVA Y LEKLRL
7244	Q9NQX4	889	LNIQLT Y RVQRLQ
7245	Q9NQX4	1559	QQLSYF Y TTMCQN
7246	Q9NR20	52	KNQLSP Y EQSEIL
7247	Q9NR20	60	QSEILG Y AELWFL
7248	Q9NR20	92	DDEHGF Y LKVLHD
7249	O9NR20	102	LHDHIA Y RYEVLE
7250	09NR20	104	DHIAYR Y EVLETI
	~		
7251	Q9NR20	164	KDKDNT Y NVVHMK
7252	Q9NR20	174	HMKDFF Y FRNHFC
7253	Q9NR20	191	LLGINL Y ELMKNN
7254	Q9NR20	239	PENIVL Y QKGQAS
7255		256	
	Q9NR20		DFGSSC Y EHQKVY
7256	Q9NR20	262	YEHQKV Y TYIQSR
7257	Q9NR20	270	YIQSRF y RSPEVI
7258	Q9NR20	281	VILGHP Y DVAIDM
7259	Q9NR20	298	CITAELYTGYPLF
	~		
7260	Q9NR20	301	AELYTG Y PLFPGE
7261	Q9NR20	356	NRGKKR Y PDSKDL
7262	Q9NR20	369	TMVLKT Y DTSFLD
7263	Q9NR22	76	MTSRDY Y FDSYAH
7264	Q9NR22	310	VHALVT¥FNIEFT
	~		
7265	Q9NR22	345	VFYLED Y LTVRRG
7266	Q9NR30	298	FYGGTP Y GGQFER
7267	Q9NR30	361	EILSVA y kkdsed
7268	Q9NR30	652	EMPNIS Y AWKELK
	Q9NR50	94	
7269	~		DSLRYI Y PKLKTD
7270	Q9NR50	124	VDLFRA y DASLAM
7271	Q9NR50	301	RSQVRC Y VHIMKE
7272	Q9NRD5	253	RLTIKK y ldvkfe
7273	Q9NRD5	275	EMDDEE Y SCIALG
7274	Q9NRD5	294	
	~		STGNYEYRLILRC
7275	Q9NRF9	47	ASVFVL Y ATSCAN
7276	Q9NRF9	92	KEALEA Y RREQKG
7277	Q9NRH2	8	AGFKRG Y DGKIAG
7278	Q9NRH2	322	ALETNR Y NHITAT
7279	Q9NRH2	329	NHITATYFLLAER
7280	Q9NRM7	135	IEAALE Y ISKMGY
7281	Q9NRM7	312	PPAAGL Y VPHPHH
7282	Q9NRM7	1051	FFDDNG Y PFRCPK
7283	Q9NRY4	185	KFVSNL Y NQLAKT
7284		305	
	Q9NRY4		MQASPE Y QDYVYL
7285	Q9NRY4	340	ERRRKL Y LAALPL
7286	Q9NRY4	416	VPAEQL Y EAHLEK
7287	Q9NRY4	473	WLEESV y MDIYGK
7288	Q9NRY4	477	SVYMDI Y GKHQKQ
7289	Q9NRY4	504	
			EYSELF Y ELELDA
7290	Q9NRY4	626	CTNDDK Y VIDGKM
7291	Q9NRY4	633	VIDGKM y ELSLRP
7292	Q9NRY4	665	HGCLCL Y NSKESL
7293	Q9NRY4	742	ASAGIG Y GRNINE
7294	Q9NRY4	840	ELSVLS Y HSSFSI
7295	Q9NRY4	855	SRLVHGYIVFYSA
7296	Q9NRY4	859	HGYIVF Y SAKRKA
7297	Q9NRY4	954	IEATHM Y DNAAEA
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7298	Q9NRY4	993	EDIEPS Y SLFRED
7299	Q9NRY4	1058	TKGDLS Y LDQGHR
7300	Q9NRY4	1246	ATWESN Y FGVPLT
	~		
7301	Q9NRY4	1271	IERCIE Y IEATGL
7302	Q9NRY4	1283	LSTEGI Y RVSGNK
7303	Q9NRY4	1335	PDPLVP Y NMQIDL
7304	Q9NRY4	1374	NHEVFK Y VISHLN
7305	Q9NRY4	1421	LTATRT Y QTIIEL
7306	Q9NRY4	1437	QCPFFF Y NRPITE
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7307	Q9NS18	104	ELDLLE Y GNQFQD
7308	Q9NS18	113	QFQDAL Y KMTGER
7309	Q9NS18	154	PLVHQC Y LKKSKR
7310	Q9NS28	139	LKAKAI Y EKFIQT
7311	Q9NS28	181	AAQSRV Y QLMEQD
7312	Q9NS28	189	LMEQDSYTRFLKS
7313	Q9NS56	374	FDQHAN Y DCPAPS
			~
7314	Q9NS56	706	YKWEYT Y YSRNKD
7315	Q9NS56	761	NHSERK Y YYYERH
7316	Q9NS69	78	FVAQKM Y RFSRAA
7317	Q9NUB1	366	FESTPV Y PNAGRY
7318	Q9NUB1	543	RTEGGY Y QITGRM
7319	Q9NUB1	678	AEILSV Y QKCKDK
7320	Q9NUP9	58	EVYEHV Y ETVDIS
	~		
7321	Q9NUP9	118	EQNSPIYISRIIP
7322	Q9NUP9	173	VKLVVR y TPKVLE
7323	Q9NV92	105	QPGTGR Y QVLLNE
7324	Q9NV92	186	ATSLPT Y DEAEKA
7325	Q9NV92	262	NTIAGR Y GAICGF
7326	Q9NV92	284	IVRFSD Y FTGYFN
7327	Q9NV92	288	SDYFTG Y FNGQYW
7328	Q9NV92	293	GYFNGQ Y WLWWIF
7329	Q9NV92	314	FRGFVN Y LKVRNM
7330	Q9NVJ2 Q9NVI1	469	LSNIVMYAPLVLO
	~		~
7331	Q9NVI1	487	VTEAFDYLSFLPL
7332	Q9NVI1	1225	KSKSLN Y TGEKKE
7333	Q9NVI7	421	LHSGMD Y AIMTGG
7334	Q9NVI7	486	TLNAFLYRTGQHS
7335	Q9NVI7	540	RMYFDK Y VLKPAT
7336	Q9NVJ2	85	RSMWER Y CRGVNA
7337	Q9NVJ2	94	GVNAIV Y MIDAAD
7338	Q9NVJ2	160	DREICCYSISCKE
7339	Q9NVX2	128	FSPTGK Y LASGSG
7340	Q9NVX2	299	MALSTD Y ALRTGA
	Q9NVX2 Q9NVX2		
7341	~	333	ERALSR Y NLVRGQ
7342	Q9NW13	49	ACRGFGYVTFSML
7343	Q9NW13	441	TGTRNLYLAREGL
7344	Q9NW13	542	KGQSLG Y AFAEFQ
7345	Q9NWH9	407	$KNLFGK\mathbf{Y}GKVLSA$
7346	Q9NWH9	427	SPGAKC Y GIVTMS
7347	Q9NWH9	761	FGHGSD Y SRQQNR
7348	Q9NWQ8	299	RFSSLS Y KSREED
7349	Q9NWQ8	341	TVPESTYTSIQGD
7350	Q9NWZ3	204	GVVYKG Y VNNTTV
7351	Q9NWZ3	262	DDLCLV Y VYMPNG
7352	Q9NWZ3	413	EKTIEDYIDKKMN
7353	Q9NX09	72	PEEDTAYLDGVSL
7354	Q9NX09	136	ELLRLA Y SEPCGL
7355	Q9NX09	222	VIKKKL Y SSEQLL
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7356	Q9NX76	28	RSGLAA Y FFMGRL
7357	Q9NX76	89	LLILIV Y CTPFYE
7358	Q9NX76	94	VYCTPF Y ERVDTT
7359	Q9NXV6	8	AQEVSE Y LSQNPR
	~		
7360	Q9NXV6	115	VTDAPT Y TTRDEL
7361	Q9NXV6	549	KICKRK Y RGSEIE
7362	Q9NYA1	212	YRGRLA Y LPVGRV
7363	Q9NYA1	289	GVMHLF Y VRAGVS
7364	Q9NYA1	358	GQVHPN Y FWMVSG
7365	Q9NYF0	267	KNGNDV Y RYPSPL
7366	Q9NYF0	269	GNDVYR Y PSPLHA
7367	Q9NYF0	749	EDEQSN Y TTNCFG
7368	Q9NYF8	408	TEETED Y RQFRKS
7369	Q9NYF8	635	NERFTS Y QKATEE
7370	Q9NYF8	839	EEWDPE Y TPKSKK
7371	Q9NYL2	192	TCDTYS Y GVVLWE
7372	Q9NYL2	715	RYPGKF Y RVSQSA
7373	Q9NYL2	773	GWTKVE Y RKKPHR
7374	Q9NYV4	246	ASYGQD Y DLSPSR
	~		
7375	Q9NYV4	738	IIGEGT Y GQVYKA
7376	Q9NYV4	968	DVIKLP y fnTMKP
7377	Q9NYV6	520	AAITNK Y QLVFCY
7378	Q9NYV6	526	~
			YQLVFC Y TIIERN
7379	Q9NYV6	578	KFIDPI Y QVWEDM
7380	Q9NZ53	118	LGPTAD Y VFPDLT
7381	Q9NZ53	391	NLAGKN Y IILNMT
7382	Q9NZ53	481	EIGIQN Y STTSSC
7383	Q9NZC7	34	KDGWVY Y ANHTEE
7384	Q9NZC7	61	VAGDLP Y GWEQET
	~		
7385	Q9NZC7	85	INKRTT Y LDPRLA
7386	Q9NZC7	107	PTTRQR Y DGSTTA
7387	Q9NZC7	238	NHLGHF Y LVQLLQ
	~		
7388	Q9NZC7	293	YWAMLA Y NRSKLC
7389	Q9NZC7	328	HPGNMM Y SNIHRS
7390	Q9NZC7	338	HRSWWVYTLLFTL
7391	O9NZC7	361	GAATTV Y CAAVPE
	~		
7392	Q9NZC7	375	EGLGGM Y FNNCCR
7393	Q9NZJ0	79	EGFVRL Y NTESQS
7394	Q9NZJ0	252	RKNYTA Y RQEPIA
7395	Q9NZJ0	712	MRKICT Y FHRKSQ
7396	Q9NZJ5	186	SLLESS Y KFGDDV
7397	Q9NZJ5	208	TYGLSA Y SGKVRY
7398	Q9NZJ5	214	YSGKVR Y ICSALG
7399	Q9NZJ5	333	GHLEWE Y QFCTPI
7400	Q9NZJ5	361	LFDDTS Y TSNDDV
7401	Q9NZJ5	387	ATENSV Y LGMYRG
7402	Q9NZJ5	391	SVYLGM Y RGQLYL
7403	Q9NZJ5	396	MYRGQL Y LQSSVR
7404	Q9NZJ5	464	KFSHEE Y SNGALS
7405	Q9NZJ5	474	ALSILQ Y PYDNGY
7406	Q9NZJ5	476	SILQYP Y DNGYYL
7407	Q9NZJ5	481	PYDNGY Y LPYYKR
7408	Q9NZJ5	506	FLDNPH Y NKNIRK
7409	Q9NZJ5	565	CQTENK Y DSVSGE
7410	Q9NZJ5	589	SGYISR Y LTDFEP
7411	Q9NZJ5	654	HPGIVR Y FNAWLE
7412	Q9NZJ5	795	PSEASP Y VRSRER
7413	Q9NZJ5	883	PSSPKV Y LYIQMQ

7414	Q9NZJ5	885	SPKVYL Y IQMQLC
7415	Q9NZJ5	978	LTPMPA Y ARHTGQ
7416	Q9NZJ5	990	QVGTKL Y MSPEQI
	~		
7417	Q9NZJ5	1001	QIHGNS Y SHKVDI
7418	Q9NZJ5	1019	ILFELL Y PFSTQM
7419	Q9NZJ5	1051	QKYPCE Y VMVQDM
7420	Q9NZN3	253	PEVIRV Y IGSFWS
7421	Q9NZN3	426	GPFGHG Y GEGAGE
7422	Q9NZN3	453	MYDEIF Y TLSPVD
	~		
7423	Q9NZT1	13	PEEEAQ Y KKAFSA
7424	Q9NZT1	136	QDGRVN Y EEFARM
7425	Q9NZU7	244	DKDKDG Y INCRDL
7426	Q9NZU7	259	CMRTMG Y MPTEME
7427	Q9P013	30	SQLSKQ Y SSRDLP
7428	~		
	Q9P013	43	SHTKIK Y RQTTQD
7429	Q9P0L2	60	QPHIGN Y RLQKTI
7430	Q9P0L2	627	ERRSVA Y NGPPAS
7431	Q9P0L2	732	DANNCD Y EQKERF
7432	Q9P126	61	SVMQRN Y LQGENE
7433	Q9P126	83	AKRFCQ Y VVKQSE
	~		
7434	Q9P126	108	CDTNWR Y YGDSCY
7435	Q9P126	109	DTNWRY Y GDSCYG
7436	Q9P126	114	YYGDSC Y GFFRHN
7437	Q9P126	129	WEESKQ Y CTDMNA
7438	Q9P126	148	NRNIVE Y IKARTH
	~		
7439	Q9P126	197	GNMNCAYFHNGKM
7440	Q9P126	213	FCENKHYLMCERK
7441	Q9P1Z0	309	VGGHVL Y VCAACE
7442	Q9P1Z0	351	VFALAE Y RTKHEV
7443	Q9P1Z0	522	PPKKRE Y PPPPPE
7444	Q9P2R3	211	MSAQLL Y KMIKSK
7445	~		
_	Q9P2R3	553	LHMAIAYNHPDVV
7446	Q9P2R3	1111	CDGSYC Y ECTARF
7447	Q9P2Y5	125	GGKENI Y QLLIEW
7448	Q9P2Y5	329	SELSYI y PIDLNE
7449	09P2Y5	516	ENERLQ Y KTPPPS
7450	Q9UBC9	106	KVPEPG Y TKVPEP
7451	Q9UBC9	138	KVPEQGYTKVPVP
7452	Q9UBC9	146	KVPVPG Y TKLPEP
7453	Q9UBF8	147	ISMAIS Y LYNSKE
7454	Q9UBF8	397	SKDKAP y LIYVEV
7455	Q9UBF8	728	DGDMFN Y YKMLML
7456	Q9UBK5	32	SSLPAF¥PGTSGS
7457	Q9UBL3	489	GDVLGF Y INLPED
7458	Q9UBL3	544	HSEIIF Y KNGVNQ
7459	Q9UBL3	569	FPAISL Y KSCTVS
7460	Q9UBN4	14	RNVNAP y rdripl
7461	Q9UBN4	36	SPSEKA Y LNAVEK
7462	Q9UBN4	45	AVEKGD Y ASVKKS
7463	Q9UBN4	58	
			LEEAEIYFKININ
7464	Q9UBN4	95	LLSFNVYVGDALL
7465	Q9UBN4	155	AAHTNN Y EIIKLL
7466	Q9UBN4	241	NEFKSE Y EELSRQ
7467	Q9UBN4	271	LEIILN Y RDDNSL
7468	Q9UBN4	295	LKLAIK y rQKEFV
7469	Q9UBN4	347	PVFSVC Y LIAPKS
7470	Q9UBN4	373	ICHTAS Y LTFLFL
7471	Q9UBN4	429	DGGLQDYIHDWWN

7472	Q9UBN4	445	FVMNSL Y LATISL
7473	Q9UBN4	459	IVAFVK Y SALNPR
	~		
7474	Q9UBN4	538	NGLNQL Y FYYEET
7475	Q9UBN4	540	LNQLYF Y YEETKG
7476	Q9UBN4	541	NQLYFY Y EETKGL
7477	Q9UBN4	582	FGLINL Y VTNVKA
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7478	Q9UBN4	604	ATMFGTYNVISLV
7479	Q9UBN4	624	AMMNNS Y QLIADH
7480	Q9UBN4	646	TKLWMS¥FEEGGT
7481	Q9UBN4	668	SPKSLW Y LIKWIW
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7482	Q9UBN4	706	LRRHHQ Y QEVMRN
7483	Q9UBN4	717	RNLVKR Y VAAMIR
7484	Q9UBP6	50	MDWSEL Y PEFFAP
7485	Q9UBP6	115	RVKVSD Y VQDRIR
	~		
7486	Q9UBP6	184	PTLLAE Y AYVLRV
7487	Q9UBQ5	32	LATLER Y VETQAK
7488	Q9UBQ5	42	QAKENA Y DLEANL
7489	Q9UBQ5	54	LAVLKL Y QFNPAF
		77	
7490	Q9UBR4		SRGESVYCKDDFF
7491	Q9UBR4	111	RAQDFV Y HLHCFA
7492	Q9UBR4	132	ATGDEF Y LMEDSR
7493	Q9UBR4	145	LVCKAD Y ETAKQR
7494	Q9UBR4	176	ETLKSA Y NTSPKP
7495	Q9UBR4	273	GPANGL Y GSLGEP
7496	Q9UBR4	306	LAGPEQ Y RELRPG
7497	Q9UBR4	315	LRPGSP Y GVPPSP
7498	Q9UBR4	339	LLSSLV Y PDTSLG
7499	Q9UBR4	378	TGSSGGYPDFPAS
7500	Q9UBW8	75	VFAYGT Y ADYLAE
7501	Q9UBW8	137	LVIEAV Y ADVLRG
7502	Q9UBW8	156	QRLEVD Y SIGRDI
	~		
7503	Q9UD71	74	RPNPCAYTPPSLK
7504	Q9UD71	116	ELRELG Y PREEDE
7505	Q9UER7	259	IEQRIP y rgTryp
7506	Q9UER7	264	PYRGTR Y PEVNRR
7507	Q9UER7	334	RHLDLI Y NFGCHL
	~		
7508	Q9UEW8	125	PNVVTY Y TSFVVK
7509	Q9UEW8	152	MLDIIK Y IVNRGE
7510	Q9UEW8	306	KEMMKK Y GKSFRK
7511	Q9UG01	154	IYGTESYVVSLTT
	~		
7512	Q9UG01	461	DNKKLAYLIDIKT
7513	Q9UG01	1670	RDERGA Y EASLVA
7514	Q9UGC7	156	FDMYQQ Y AAFKRW
7515	Q9UGC7	169	HFETLE Y FPSELG
7516	Q9UGC7	327	SEKIRTYNFPQNR
7517	Q9UGK3	21	GVLPSH Y YESFLE
7518	Q9UGK3	36	GPCDRD Y KKFWAG
7519	29UGK3	49	LQGLTI Y FYNSNR
7520	Q9UGK3	51	GLTIYF Y NSNRDF
7521	Q9UGK3	133	LLPGHL Y MMSEVL
7522	Q9UGK3	169	QLLLER Y PECGNL
7523	Q9UGK3	204	THVVRH Y KVKREG
7524	Q9UGK3	213	KREGPK Y VIDVEQ
7525	Q9UGK3	232	LDAVVN¥FVSHTK
7526	Q9UGK3	256	YEKVLG Y VEADKE
7527	Q9UH99	69	SDAHTS Y YSESLV
7528	Q9UH99	687	APTMAT Y QVVELR
7529	Q9UH99	703	NWGHPE Y TCIYRF

7530	Q9UHD1	26	SDDACT Y HPGVPV
7531	Q9UHD1	178	LEEVCV Y HSGVPI
7532	Q9UHD1	191	
	~		FHEGMKYWSCCRR
7533	Q9UHD2	95	CPCGSL Y TVLEEP
7534	Q9UHD2	198	KDHQKK Y GATVDL
7535	Q9UHD2	563	NCMTEI Y YQFKKD
7536	Q9UHM6	330	AHVLTP Y MSSVPA
7537	Q9UHM6	350	IHNPII Y AITHPK
7538	Q9UHM6	382	RRHSRP Y PSYRST
	~		
7539	Q9UHP3	69	QQEETT Y YQTALP
7540	Q9UHP3	159	RDSRNP Y DRKRQD
7541	Q9UHP3	227	${\sf FMRELR}{f Y}{\sf LFALLV}$
7542	Q9UHP3	239	VGTKRK y VDPSRA
7543	Q9UHP3	300	PMVELF Y GRFLAV
7544	Q9UHP3	323	TEMFGQ Y PLQVNG
7545	Q9UHP3	425	IKRLKD Y LTVLQQ
7546	Q9UHP3	436	QQRLER Y LSYGSG
7547	Q9UHP3	454	LVDVLQ Y ALEFAS
7548	Q9UHP3	581	RTIELM Y SDKSMI
7549	Q9UHP3	591	SMIQVP Y RLHAVL
7550	Q9UHP3	608	QANAGH Y WAYIFD
7551	Q9UHP3	623	ESRWMK Y NDIAVT
7552	Q9UHP3 Q9UHP3	650	
			YRNASA Y CLMYIN
7553	Q9UHP3	654	SAYCLM Y INDKAQ
7554	Q9UHP3	785	SAIKLE Y ARLVKL
7555	Q9UHP3	802	TPPETD Y RLHHVV
7556	Q9UHP3	810	LHHVVV Y FIQNQA
7557	Q9UHP3	880	FRETTM Y LIIGLE
7558	Q9UHP3	893	NFQRES Y IDSLLF
7559	Q9UHP3	904	LFLICA Y QNNKEL
	~		
7560	Q9UHP3	916	LLSKGLYRGHDEE
7561	Q9UHP3	927	EELISH Y RRECLL
7562	Q9UHP3	1031	PPKLPS Y STHELC
7563	Q9UIA9	19	$\mathtt{NLCKQL}\mathbf{Y}\mathtt{ETTDTT}$
7564	Q9UIA9	393	LAASVP Y VKATEP
7565	Q9UIA9	454	TIGRCE Y EKTCAL
7566	Q9UIB8	62	SKTSVA Y VTPGDS
7567		81	
	Q9UIB8		TVTHRNYYERIHA
7568	Q9UIB8	82	VTHRNYYERIHAL
7569	Q9UIB8	92	HALGPNYNLVISD
7570	Q9UIB8	107	MEDAGD Y KADINT
7571	Q9UIB8	118	NTQADP Y TTTKRY
7572	Q9UIB8	124	YTTTKR y NLQIYR
7573	Q9UIB8	129	RYNLQI Y RRLGKP
7574	Q9UIB8	166	EEKNVT Y NWSPLG
7575	Q9UIB8	191	EDQELT Y TCTAQN
7576	Q9UIB8	271	TFTKNPYAASKKT
7577	Q9UIB8	279	ASKKTI Y TYIMAS
7578	Q9UIB8	281	KKTIYT Y IMASRN
7579	Q9UIF9	34	SSGEGLYTNGSPM
7580	Q9UIF9	89	HHPSVAYDCLWNY
7581	Q9UIF9	168	FDSQEL Y DSFPDQ
7582	Q9UJ70	97	LRDRFP Y LSESYL
7583		102	
	Q9UJ70		PYLSES Y LITTDA
7584	Q9UJ70	157	GDEGSA Y WIAHQA
7585	Q9UJ70	183	APHDIG Y VKQAMF
7586	Q9UJ70	191	KQAMFH Y FQVPDR
7587	Q9UJ70	233	GDPLSR Y IFRKAG
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7588	Q9UJ70	331	HLLPMD Y SANAIA
7589	29UJQ4	170	TPQDIS Y LAKGKV
7590	Q9UJQ4	386	YKHKCK Y CSKVFG
7591	Q9UJQ4	528	PGVGPN Y NSPRAG
7592	Q9UJX2	87	AQDMDA Y TLAKAY
7593	Q9UJX2	93	YTLAKA Y FDVKEY
7594	Q9UJX2	115	CNSKKA Y FLYMYS
7595	09UJX2	118	KKAYFL Y MYSRYL
7596	09UJX2	123	LYMYSR Y LSGEKK
	~		
7597	Q9UJX2	175	GFGLYL Y GVVLRK
7598	Q9UJX2	238	FFLAHI Y TELQLI
7599	Q9UJX2	264	GFSKSS Y IVSQIA
7600	Q9UJX2	308	TFSNLL Y VRSMKS
7601	Q9UJX2	318	MKSELS Y LAHNLC
7602	Q9UJX2	329	LCEIDK Y RVETCC
	~		
7603	Q9UJX2	340	CCVIGN Y YSLRSQ
7604	Q9UJX2	364	LKLNPR Y LGAWTL
7605	Q9UJX2	375	$ exttt{TLMGHE}\mathbf{Y} exttt{MEMKNT}$
7606	09UJX2	388	SAAIQA Y RHAIEV
7607	O9UJX2	403	RDYRAW Y GLGQTY
	~		==
7608	Q9UJX2	409	YGLGQT Y EILKMP
7609	Q9UJX2	420	MPFYCL Y YYRRAH
7610	Q9UJX2	460	KCYWRA Y AVGDVE
7611	Q9UJX2	490	EQAAQC Y IKYIQD
7612	Q9UJX2	498	KYIQDI Y SCGEIV
7613	Q9UJX2	515	ESTAFR Y LAQYYF
	~		==
7614	Q9UJX2	519	FRYLAQ Y YFKCKL
7615	Q9UJX2	520	RYLAQY Y FKCKLW
7616	Q9UJX4	161	YTALQQ Y FQNGEK
7617	Q9UJX4	348	HCLSWL Y VLGQKR
7618	Q9UJX4	721	YFQARL Y HTLGKT
7619	09UJX5	129	SVLTSF Y NAEDES
7620	Q9UJX5	149	PTLPKN Y SNTSKI
7621	Q9UJX5	188	SGFIEL Y AYGMFK
7622	Q9UJX5	190	FIELYA Y GMFKIA
7623	Q9UJX5	233	GASEVS Y FQLETN
7624	Q9UJX5	242	LETNLL Y SFLPEV
7625	Q9UJX5	264	ISALLQ Y INLSLT
7626	Q9UJX5	341	QSIESS Y SSIQKL
7627	Q9UJX5	361	GSESLL Y HLSELK
7628	Q9UJX5	376	ASWKQK y EPLGLD
7629	Q9UJX5	422	AFFRWL Y VAMLRM
7630	Q9UJX5	478	VERVGQ Y LKDEDD
7631	Q9UJX5	498	TEGNQW Y DFLQNS
7632	Q9UJX5	516	SPLLFP Y YPRKSL
		557	
7633	Q9UJX5		AICIPLYRDTRSE
7634	Q9UJX5	585	KTSNLH Y LLFTIL
7635	Q9UJX5	596	ILEDSL y kmcilr
7636	Q9UJX5	625	KFGSFT Y ATTEKV
7637	Q9UJX5	636	KVRRSI Y SCLDAQ
7638	Q9UJX5	644	CLDAQF Y DDETVT
7639	Q9UJX5	675	LPLSLV Y NSEDSA
7640	Q9UJX5	683	SEDSAE Y QFTGTY
7641	Q9UJX5	689	YQFTGT Y STRLDE
7642	Q9UJX5	721	ESMKAQ Y VAGNGF
7643	Q9UJX6	622	RAALEA Y CKKYEQ
7644	Q9UJX6	774	LSLDRI Y NMLRMF
7645	Q9UJX6	798	LQELQG Y LQKKVR
1040	Δροονο	100	TÄTTÄGTTÄVVV

7646	Q9UJY1	12	MPFSCH Y PSRLRR
7647	Q9UJY1	118	VKTKDG Y VEVSGK
	~		
7648	Q9UJY1	174	APQVPP Y STFGES
7649	Q9UJZ1	113	LRIMDP y KASYGV
7650	Q9UJZ1	282	LTVAEO Y VSAFSK
	~		~
7651	Q9UJZ1	316	AQAMGV Y GALTKA
7652	Q9UK32	102	PDAGQL Y AMKVLK
7653	Q9UK32	149	QTEGKL Y LILDFL
7654	Q9UK32	492	VFDDGR Y VYLVTD
	~		
7655	Q9UK55	185	FNLSKR Y FDTECV
7656	Q9UK55	270	IKVPMM Y GAGKFA
7657	29UK55	292	HVLKLP Y QGNATM
7658	Q9UKG1	36	ATAISN Y MNQLYQ
7659	Q9UKG1	41	NYMNQL Y QAMHRI
7660	Q9UKG1	161	ENDKVK Y EVTEDV
7661	Q9UKI8	501	DEKKEN Y HKHACR
7662	Q9UKI8	669	IFFQCL Y GRKPFG
7663	Q9UKI8	733	QLANDP Y LLPHMR
7664	Q9UKM9	109	RAASAI Y SGYIFD
7665	Q9UKM9	116	SGYIFD Y DYYRDD
7666	Q9UKM9	124	YYRDDF Y DRLFDY
7667	Q9UKT5	88	LGSTNHYWNETVR
	Q9UKT5	161	
7668	~		KSSRPM Y GAVTSF
7669	Q9UKT5	343	KRMPCF Y LAHELH
7670	Q9UKV3	1056	SHCFVT Y STVEEA
7671	Q9UKV3	1086	KFLCAD Y AEQDEL
7672	Q9UKV3	1225	KAAPCI Y WLPLTD
7673	Q9UKV8	21	PPPIQG Y AFKPPP
7674	Q9UKV8	55	IPKIDI Y HYELDI
		57	
7675	Q9UKV8		KIDIYH Y ELDIKP
7676	Q9UL25	99	NGAILV Y DITDED
7677	Q9UL25	150	IQEAES y aesvga
7678	Q9UL25	159	SVGAKH Y HTSAKQ
			~
7679	Q9UL42	162	PLLPMR y rklrvf
7680	Q9UL42	254	RTAQVR y lktyqe
7681	09UL42	355	PEERDG Y GRWNHE
7682	~		
	Q9UL46	33	EAEEFL Y RFLPQK
7683	Q9UL46	42	LPQKII Y LNQLLQ
7684	Q9UL46	187	${ t ETHVMD} {f Y} { t RALVHE}$
7685	Q9UL54	309	ELDNLQ Y RKMKKI
			~
7686	Q9UL54	646	ELQCRQ Y KRKMLL
7687	Q9UL54	1003	VGLGAS Y LLLCTA
7688	Q9ULC4	79	QREGPF Y PTLRLL
7689	Q9ULC4	88	LRLLHK y pfilph
7690	Q9ULC4	169	GIENIH Y LNDGLW
7691	Q9ULV5	62	KEVLPQ \mathbf{Y} FKHSNM
7692	Q9ULV5	78	VRQLNM Y GFRKVV
7693	Q9ULV5	473	~
	~		PGALTI Y STPESR
7694	Q9ULV8	83	GDFLLI Y LANLEA
7695	Q9ULV8	144	LFPGGK Y CGHMYQ
7696	Q9ULV8	149	KYCGHM Y QLTKAP
7697	Q9ULV8	238	AVNHPG Y MAFLTY
7698	Q9ULV8	244	YMAFLT Y DEVQER
7699	Q9ULV8	261	RDKPGS Y IFRPSC
7700		277	
	Q9ULV8		GQWAIG Y VSSDGS
7701	Q9ULV8	307	GQKDGF Y LYPDGK
7702	Q9ULV8	309	KDGFYL Y PDGKTH
7703	Q9ULV8	402	WEAVSI Y QFHGQA
, , , , ,	Z 2 0 T 4 0	7 U Z	MADITA DI - ŽI IIQŽU

7704	Q9UM07	97	KVQISY Y GPKTPP
			==
7705	Q9UM07	463	QAPVKL Y SDWLSV
7706	Q9UM07	636	
			INDFFTYHIRHGE
7707	Q9UM11	130	KKGLFT \mathbf{Y} SLSTKR
7708	Q9UM11	148	GNDVSP Y SLSPVS
7709	Q9UM11	189	ELQDDF Y LNLVDW
			==
7710	Q9UM21	242	TKQNLD \mathbf{Y} CFLMMY
7711	Q9UM21	248	YCFLMM Y AQEKGI
			==
7712	Q9UM21	316	EFIFMF Y KEKPID
7713	09UM73	46	PREPLS Y SRLQRK
	~		~
7714	Q9UM73	67	PSLFRV Y ARDLLL
7715	Q9UM73	240	PSPSPD Y FTWNLT
7716	Q9UM73	262	LSHRSR Y GLECSF
7717	Q9UM73	276	FPCELE Y SPPLHD
7718	Q9UM73	406	FRVALE Y ISSGNR
7719	Q9UM73	479	KLPVGF Y CNFEDG
7720	Q9UM73	587	VWHVAA Y EGLSLW
7721	Q9UM73	635	SISLDC Y LTISGE
7722	Q9UM73	705	AQCNNA Y QNSNLS
7723	Q9UM73	734	VPATDT Y SISGYG
7724	Q9UM73	739	TYSISG Y GAAGGK
7725	Q9UM73	772	EKDDML Y ILVGQQ
7726	Q9UM73	826	GGGGAT Y VFKMKD
7727	Q9UM73	849	GGGGRA Y GAKTDT
7728	Q9UM73	966	SPLGIL y TPALKV
7729	Q9UM73	984	EVNIKH Y LNCSHC
7730	Q9UM73	1059	SGIMIV y rrkhqe
7731	Q9UM73	1282	DIYRAS Y YRKGGC
7732	Q9UM73	1330	SLGYMP Y PSKSNQ
7733	Q9UM73	1359	NCPGPV Y RIMTQC
7734	Q9UM73	1401	TALPIE Y GPLVEE
7735	Q9UM73	1584	PCGNVN Y GYQQQG
7736	Q9UM73	1586	GNVNYG Y QQQGLP
7737	Q9UMD9	1067	ASHVVS Y LRTSGY
7738	Q9UMD9	1099	RDDVRQ Y LRQYLM
7739	O9UMD9	1395	LLQGMA Y TVQGPP
	~		== ==
7740	Q9UMS4	406	FSENGY Y LATAAD
7741	Q9UMS4	449	FDQSGT Y LALGGT
			==
7742	Q9UMS4	460	GTDVQI Y ICKQWT
7743	Q9UNE7	63	PLVAVY Y TNRALC
			_
7744	Q9UNE7	230	KRDIPD Y LCGKIS
7745	Q9UNE7	252	TPSGITYDRKDIE
7746	Q9UNF1	425	EFVKQK y ldyarv
7747	Q9UNF1	428	KQKYLD Y ARVPNS
7748	Q9UNF1	439	NSNPPE Y EFFWGL
	~		
7749	Q9UNL4	49	DKLATE Y MSSARS
7750	Q9UNL4	72	KQIQEA Y GKCKEF
	~		~ ~
7751	Q9UNL4	171	VRTSPE Y GMPSVT
7752	Q9UNS2	95	NGEHIR Y ATDTFA
	~		
7753	Q9UNS2	176	CKENGAYDAKHFL
7754	Q9UNS2	203	NFERAL Y FYEQAI
7755	Q9UP65	77	LLDAVT Y LAGVSG
7756	Q9UP65	169	EEGTLP Y PIFAAI
7757	Q9UP65	365	TTHNFL Y KHGGIR
7758	Q9UPN6	100	STFQNL Y RCPGDD
			==
7759	Q9UPN6	1016	QEGDRD Y RFPPIE
7760	Q9UPN6	1110	HRVLPV Y GGPKGL
7761	Q9UPP1	383	EMQLKA Y EIEKRL
-			

7762	Q9UPP1	558	PAGQLS Y NLMDTY
7763		852	
	Q9UPP1		KDAEYIYPSLESD
7764	Q9UPT6	383	INTDSLYHELSTA
7765	Q9UPT6	538	${ t LMERNQ} {f Y} { t KERLME}$
7766	Q9UPT6	647	EOKREO Y ROVREH
7767	Q9UPV0	73	DITGDI Y YFNFAN
	~		
7768	Q9UPV0	254	LGGDFE Y EESLRT
7769	Q9UPV0	1090	QSKEDL y ldslss
7770	Q9UPY6	63	NEANNF Y IRANSL
7771	Q9UPY6	125	NPVADI Y NQSDKP
7772	Q9UPY6	140	LNILTP Y RDDKKD
7773	Q9UPY6	156	FYTDPS Y FFDLWK
7774	Q9UPY6	210	EWNMMA Y DKELRP
7775	Q9UPY6	225	
			RLSQSV Y HGASSE
7776	Q9UPY6	250	DVTDYS Y PATPNH
7777	Q9UPY6	267	QPVTPS Y AAGDVP
7778	Q9UPY6	286	QAAEHE Y RPPSAS
7779	Q9UPY6	327	PMAPAD Y GMLPAQ
			~
7780	Q9UPY6	338	AQIIEY Y NPSGPP
7781	Q9UPZ9	15	QLGDGT Y GSVLLG
7782	Q9UPZ9	40	KMKRKF Y SWEECM
7783	Q9UPZ9	76	RENDHL Y FIFEYM
7784	Q9UPZ9	81	LYFIFE Y MKENLY
7785	Q9UPZ9	87	YMKENL Y QLIKER
7786	Q9UPZ9	107	AIRNIM Y QILQGL
7787	Q9UPZ9	156	IRSKPP Y TDYVST
	~		
7788	Q9UPZ9	165	YVSTRW Y RAPEVL
7789	Q9UPZ9	177	LLRSTN Y SSPIDV
7790	Q9UPZ9	194	CIMAEV Y TLRPLF
7791	Q9UPZ9	228	TDWPEG Y QLSSAM
7792	Q9UPZ9	281	ASQALR Y PYFQVG
	~		
7793	Q9UPZ9	283	QALRYP Y FQVGHP
7794	Q9UPZ9	316	KAGPPP Y IKPVPP
7795	Q9UPZ9	349	PPLHLT Y PYKAEV
7796	Q9UPZ9	351	LHLTYP y KAEVSR
7797	Q9UPZ9	473	APTOTS Y ORRDTP
_	~	_	~ ~
7798	Q9UPZ9	489	SAAKQH Y LKHSRY
7799	Q9UPZ9	495	YLKHSR Y LPGISI
7800	Q9UPZ9	555	SGLTGN Y VPSFLK
7801	Q9UPZ9	583	PDPSPGYSSLKAM
7802	Q9UQ35	171	PEPPKPYSLVRES
7803	Q9UQ35	967	SRLLPR Y SHSGSS
7804	Q9UQ35	996	SGSISP y PKVKAQ
7805	Q9UQ80	98	LKSDQD Y ILKEGD
7806	Q9UQ80	247	GQRTTI Y KRDPSK
7807	Q9UQ80	309	QPFNVL Y EKEGEF
7808	Q9UQ84	157	ADAQLA Y LNKAGI
7809	Q9UQ84	271	ITVPED Y INGFIR
7810	Q9UQ84	742	NKVPGL Y KSSSAD
7811	Q9UQC2	25	EKKLRR Y AWKKRW
7812	Q9UQC2	48	DPDVLE Y YKNDHS
7813	Q9UQC2	49	PDVLEY Y KNDHSK
7814	Q9UQC2	96	TSERTF Y LVAETE
7815	Q9UQC2	192	TSAPQE Y LYLHQC
7816	Q9UQC2	194	APQEYL Y LHQCIS
7817	Q9UQC2	249	GQVHGF Y SLPKPS
7818	Q9UQC2	324	ATPLSA Y QIPRTF
7819	Q9UQC2	409	ASSCET Y EYPQRG
, 0 ± 2	270202	107	1100001111111111

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

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

7936	Q9Y4X4	347	HTGEKP Y KCTWEG
7937	Q9Y4X4	368	DELTRH Y RKHTGV
7938	Q9Y4Z0	25	LKNGET Y NGHLVS
7939	Q9Y4Z0	60	WRMPECYIRGSTI
7940	Q9Y4Z0	68	RGSTIK y lripde
7941	Q9Y572	45	QHRKWG Y DVAVKI
7942	Q9Y572	185	PGGTLG Y LAPELF
7943	Q9Y572	205	STASDV Y SFGILM
7944	Q9Y572	453	RPLVNI Y NCSGVQ
7945	Q9Y572	465	QVGDNN Y LTMQQT
7946	Q9Y5A9	60	SYLPSY Y SPSIGF
7947	Q9Y5A9	68	PSIGFS Y SLGEAA
7948	Q9Y5A9	85	GDTAMP Y LTSYGQ
7949	Q9Y5A9	153	SGYSSN Y AYAPSS
7950	Q9Y5A9	456	NGKGPV Y LLFSVN
7951	Q9Y5A9	547	LKIIAS Y KHTTSI
7952	Q9Y5B9	18	RRVKRL Y SNWRKG
7953	Q9Y5B9	46	VDEEIV y akstal
7954	Q9Y5B9	230	AIEEKK y lagadp
7955	Q9Y5B9	565	
			MSVEGDYTYLRIN
7956	Q9Y5B9	600	FVKEIT Y RASNIK
7957	Q9Y5B9	811	GFNGAP Y RSTCLL
7958	Q9Y5B9	975	EAEESD Y SKESLG
	~		
7959	Q9Y5P4	181	VDTLQK Y FDACAD
7960	Q9Y5P4	430	EGEMKV y rrevee
7961	Q9Y5P4	461	GHEVCN Y FWNVDV
	~		
7962	Q9Y5P4	492	DNAIII Y QTHKRV
7963	Q9Y5P4	579	ILCKIT y vanvnp
7964	Q9Y5P4	612	LKRFTS Y VQEKTA
7965	Q9Y5Q6	33	RLCGLE Y IRTVIY
7966	Q9Y5Q6	39	YIRTVI Y ICASSR
7967	Q9Y5Y2	128	AWGELD Y LVVDTP
7968	Q9Y5Y2	151	IEALRP Y QPLGAL
	~		==
7969	Q9Y608	150	DLLSGL Y FDQRNY
7970	Q9Y608	207	ASLASL Y NGGLYN
7971	Q9Y608	225	TPSECS Y YSSRIS
	~		SELRDI Y DLKDQI
7972	Q9Y608	348	~
7973	Q9Y608	379	SEVEEK Y KKAMVS
7974	Q9Y608	398	EKNNLI Y QVDTLK
7975	Q9Y657	91	SLYLIK y DGFDCV
7976	Q9Y657	98	DGFDCV Y GLELNK
7977	Q9Y657	170	TWFYIT Y EKDPVL
7978	Q9Y657	185	YQLLDD Y KEGDLR
7979			~
	Q9Y657	220	VGKQVE Y AKEDGS
7980	Q9Y657	254	DDDFHI Y VYDLVK
7981	Q9Y696	104	VLCPPK y lklspk
7982	Q9Y696	128	FAKFSA Y IKNSRP
7983	Q9Y696	154	LQKLDE Y LNSPLP
7984	Q9Y696	220	MTGIWR Y LTNAYS
7985	Q9Y696	225	RYLTNA Y SRDEFT
		97	
7986	Q9Y6E0		SPYVTK Y YGSYLK
7987	Q9Y6E0	101	TKYYGS Y LKDTKL
7988	Q9Y6E0	208	VIKQSA y DSKADI
7989	Q9Y6E0	303	TELIDR y krwkae
7990	Q9Y6E0	409	ELRGAI Y LAEEAC
7991	Q9Y6F6	271	${ t NFDPLQ} {f Y} { t PETTPK}$
7992	Q9Y6F6	522	AFRNDS Y TLESRI
7993	Q9Y6F6	569	CEHRET Y QKLLED
1990	MATOE O	505	CRIIVRITĀUDDED

7994	Q9Y6F6	620	ENLKRT Y EKDHAE
7995	Q9Y6F6	757	RMEEEA Y SKGFQE
	Q916F6		
7996	~	848	LGLYNS Y NSCAEQ
7997	Q9Y6G9	101	KGRGLE Y LYLNVH
7998	Q9Y6G9	278	RKFCLQ Y GAALIY
7999	Q9Y6G9	297	KNIDLV Y KYIVQK
8000	Q9Y6G9	305	YIVQKL Y GFPYKI
8001	Q9Y6G9	309	KLYGFP Y KIPAVV
8002	Q9Y6I3	48	EIADLT Y NVVAFS
8003	Q9Y6I3	75	$KNWRHV\mathbf{Y}KAMTLM$
8004	Q9Y6I3	83	AMTLME Y LIKTGS
8005	Q9Y6I3	111	TLKDFQ Y VDRDGK
			~
8006	Q9Y6I3	548	PGAPPTYISPLGG
8007	Q9Y6K5	87	LDCFKS Y VDQRAR
8008	Q9Y6K5	609	LLVKHW Y RQVAAQ
8009	Q9Y6K5	917	VDLIHS Y SNAGEY
8010	Q9Y6K5	953	RLVKHW Y QQCTKI
8011	Q9Y6K5	1005	LELVTQ Y RQLCIY
8012	Q9Y6K5	1016	IYWTIN Y NAKDKT
8013	Q9Y6K9	241	HQLFQE Y DNHIKS
8014	Q9Y6K9	308	KAQADI Y KADFQA
8015	Q9Y6K9	374	LPPAPAYLSSPLA
		402	
8016	Q9Y6K9		CCPKCQ Y QAPDMD
8017	Q9Y6M9	9	FLASGP Y LTHQQK
8018	Q9Y6M9	20	QKVLRL y kralrh
8019	Q9Y6M9	39	QRDKYR y faclmr
8020	Q9Y6M9	73	AEEEFW Y RQHPQP
8021	Q9Y6M9	91	SPGGTS Y ERYDCY
	~		
8022	Q9Y6M9	115	PSEKAM Y PDYFAK
8023	Q9Y6M9	118	$KAMYPD\mathbf{Y}FAKREQ$
8024	Q9Y6N7	229	GKLMIT y TRKSDA
8025	Q9Y6N7	238	KSDAGK Y VCVGTN
8026	Q9Y6N7	307	ELPKSR Y EIRDDH
	~		AGDMGS Y TCVAEN
8027	Q9Y6N7	328	
8028	Q9Y6N7	425	QRSDVG Y YICQTL
8029	Q9Y6N7	442	SIITKA Y LEVTDV
8030	Q9Y6N7	514	GVLQIR y aklgdt
8031	Q9Y6N7	594	GATPTS Y IIEAFS
8032	Q9Y6N7	630	LKPNAI Y LFLVRA
8033	Q9Y6N7	640	VRAANA Y GISDPS
8034	Q9Y6N7	711	QGYKIL Y RPSGAN
8035	Q9Y6N7	747	LRKGVN Y EIKARP
8036	Q9Y6N7	824	LGNETR Y HINKTV
8037	Q9Y6N7	848	LVPGIR Y SVEVAA
8038	Q9Y6N7	932	NGLTST Y AGIRKV
8039	Q9Y6N7	949	FTPTVT Y QRGGEA
8040	Q9Y6N7	1138	VPPTIP Y NQSYDQ
8041	Q9Y6N7	1142	IPYNQS Y DQNTGG
8042	Q9Y6N7	1202	HSNSĒE Y NĪSVDE
8043	Q9Y6N7	1413	VAAAAE Y AGLKVA
8044	Q9Y6N7	1476	HLRRETYTDDLPP
8045	Q9Y6N7	1529	DRKGSS Y KGREVL
8046	Q9Y6N7	1587	QEDILP Y CRPTFP
8047	Q9Y6N7	1636	MQVLGG Y ERGEDN
8048	Q9Y6Q9	144	SENVTQ Y LQYKQE
8049		158	
	Q9Y6Q9		LVNTSVYNILHEE
8050	Q9Y6Q9	221	PEMRQR Y ETMQCF
8051	Q9Y6Q9	574	KSPLGF Y CDQNPV

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