

1 Supp2. Negative benchmark dataset contains 3553 non-succinylation lysine fragments in 896 n  
2 AC Position Fragments  
3 B1XA46 4 XXXXMESKVVVPAQG  
4 B1XA46 12 VVPAQGGKKITLQNG  
5 B1XA46 13 VVPAQGGKKITLQNGK  
6 B1XA46 20 KITLQNGKLVNVPENP  
7 B1XA46 47 DVT PAMLKVVDAAVE  
8 B1XA46 55 VVDAAVEKAYKGERK  
9 B1XA46 58 AAVEKAYKGERKISW  
10 B1XA46 62 KAYKGERKISWMEIY  
11 B1XA46 73 MEIYTGEEKSTQVYQG  
12 B1XA46 142 QGTPSPVKHPELTDM  
13 B1XA46 166 IYAGIEWKADSADAE  
14 B1XA46 174 ADSADAEEKVIKFLRE  
15 B1XA46 177 ADAEKVIKFLREEMG  
16 B1XA46 186 LREEMGVKKIRFPEH  
17 B1XA46 187 REEMGVKKIRFPEHC  
18 B1XA46 199 EHCIGIGIKPCSEEGT  
19 B1XA46 207 PCSEEGTKRLVRAAI  
20 B1XA46 230 DSVTLVHKGNIKMF  
21 B1XA46 235 VHKGNIMKFTGAFK  
22 B1XA46 265 IDGGPWLKVKNPNTG  
23 B1XA46 267 GGPWLKVKNPNTGKE  
24 B1XA46 273 VKNPNTGKEIVIKDV  
25 B1XA46 278 TGKEIVIKDVIADAF  
26 B1XA46 344 ATHGTAPKYAGQDKV  
27 B1XA46 350 PKYAGQDKVNPGSII  
28 B1XA46 378 EAADLIVKGMEGAIN  
29 B1XA46 387 MEGAINAKTVTYDFE  
30 B1XA46 401 ERLMEGAKLLKCSEF  
31 B1XA46 404 MEGAKLLKCSEFGEA  
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33 B1XB26 23 WQAMEQEKVRQEEHI  
34 B1XB26 54 QGSQTLNKYAEGYPG  
35 B1XB26 83 QLAIIDRAKELFGADY  
36 B1XB26 138 SPVNFSGKLYNIVPY  
37 B1XB26 166 EKQAKEHKPKMIIGG  
38 B1XB26 168 QAKEHKPKMIIGGF  
39 B1XB26 185 SGVVDWAKMREIADS  
40 B1XB26 229 VVTTHHTKTLAGPRG  
41 B1XB26 251 GSEELYKKLNSAVFP  
42 B1XB26 272 LMHVIAGKAVALKEA  
43 B1XB26 285 EAMEPEFKTYQQQVA  
44 B1XB26 296 QQVAKNAKAMVEVFL  
45 B1XB26 308 VFLERGYKVVSGGTD  
46 B1XB26 326 FLVDLVDKNLTGKEA  
47 B1XB26 375 AITRRGFKEAEAKEL  
48 B1XB26 380 GFKEAEAKELAGWMC  
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50 B1XB26 405 VIERIKGKVLIDICAR  
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52 B1XGN9 46 DYMAYMLKYDSTHGR  
53 B1XGN9 61 FDGTVEVKDGHILVN  
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55 B1XGN9 71 HLLVNGKKIRVTAER  
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227 B1XD38 105 GGMLTNWKT V RQSIK  
228 B1XD38 112 KTVRQSIKRLKDL ET

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233	B1XD38	152	ENSLGGIKDMGGLPD
234	B1XD38	174	DHEHIAIKEANNLGI
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238	B1XDP6	77	GYGVKSEKIDNEEVL
239	B1XDV3	8	MQVILLDKVANLGS
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278	P00346	324	AEAIPELKASIKKGE
279	P00346	338	EEFVKNMKXXXXXXX
280	P00889	14	AARLFGAKNASCLVL
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344	P25688	55	QLTLRSKDDYLHGDN
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346	P25688	118	YVEEVPWKRFEKNGI
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367	P30115	123	EKEASLAKIKEQTRN
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383	D3YZQ9	265	DADKEQWKEVHKQVV
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393	A2AL20	173	SHMAAKGKANLXXXX
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421	Q9DCC7	170	VLLQLVKDAAHPQF
422	Q9DCC7	182	PQFKEIQKILKEPVT
423	Q9DCC7	200	LLGFFQGGKNSLLPN
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430	P97807	334	TACSLMKIANDIRF
431	P97807	406	HFELNVFKPMMIKNV
432	P97807	411	VFKPMMIKNVLHSAR
433	P97807	444	ANTERINKLMNESLM
434	P97807	464	NPHIGYDKAAKIAKT
435	P97807	467	IGYDKAAKIAKTAHK
436	P97807	470	DKAAKIAKTAHKNGS
437	P97807	474	KIAKTAHKNGSTLKE
438	P97807	499	EQFDEWVKPKDMLGP
439	P97807	501	FDEWVKPKDMLGPKX
440	P35486	18	VLGSAQKPPASRVLV
441	P35486	39	NDATFEIKKCDLHRL
442	P35486	40	DATFEIKKCDLHRL
443	P35486	85	ADQLYKQKIIRGFCH
444	P35486	147	GRRGGCAKGGGSMH
445	P35486	149	RGGCAKGGGSMHMY
446	P35486	158	GSMHMYAKNFYGGNG
447	P35486	186	LACKYNGKDEVCLTL
448	P35486	215	YNMAALWKLPCIFIC
449	P07724	28	VFRREAHKSEIAHRY
450	P07724	44	DLGEQHFKGLVLI
451	P07724	57	AFSQYLQKCSYDEHA
452	P07724	88	ESAANCDKSLHTLFG
453	P07724	97	LHTLFGDKLCAIPNL
454	P07724	117	ELADCCTKQEPERNE
455	P07724	130	NECFLOHKDDNPSLP
456	P07724	198	QCCAEADKESCLTPK

457	P07724	210	TPKLDGVKEKALVSS
458	P07724	212	KLDGVKEKALVSSVR
459	P07724	236	KFGERAFKAWAVARL
460	P07724	257	ADF AEITKLATDLTK
461	P07724	264	KLATDLTKVNKECCH
462	P07724	267	TDLTKVNKECCHGDL
463	P07724	286	DDRAELAKYMCENQA
464	P07724	298	NQATISSKLTCCDK
465	P07724	309	CCDKPLLKKAHCLSE
466	P07724	310	CDKPLLKKAHCLSEV
467	P07724	409	QPLVEEPKNLVKTNC
468	P07724	413	EEPKNLVKTNC DLYE
469	P07724	421	TNCDLYEKLGEYGFQ
470	P07724	438	ILVRYTQKAPQVSTP
471	P07724	499	PVSEHVTKCCSGSLV
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473	P07724	527	TYVPKEFKAETFTFH
474	P07724	545	CTLPEKEKQIKKQTA
475	P07724	549	EKEKQIKKQTALAEI
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477	P07724	604	PNLVTRCKDALAXXX
478	E9Q8F4	24	LSNLGSSKVLPGKRD
479	E9Q8F4	29	SSKVLPGKRDFVRTL
480	E9Q8F4	45	THQALWCKSPVKPGI
481	E9Q8F4	49	LWCKSPVKPGIPYKQ
482	E9Q8F4	63	QLTVGVPKEIFQNEK
483	E9Q8F4	84	AGVQALVKQGFNVVV
484	E9Q8F4	100	SGAGEASKFPDDL YR
485	E9Q8F4	146	AHEADFLKPSGTLIS
486	E9Q8F4	279	EPLVDLKESEGEGQG
487	E9Q8F4	290	EGQGGYAKEMSKEFI
488	E9Q8F4	335	QRMLDMFKRPTDPPE
489	E9Q8F4	441	TIGLTI AKRIQISDL
490	E9Q8F4	488	DATSNFTKIVAYLGT
491	E9Q8F4	688	GYGLCAAKAQYPIAD
492	E9Q8F4	698	YPIADLVKMLTEQ GK
493	E9Q8F4	706	MLTEQ GKVRLVRCV
494	D6RFD7	46	FELTEQQKEFQATAR
495	D6RFD7	54	EFQATARKFAREEII
496	D6RFD7	69	PVAPEYDKSGEVGIG
497	D6RFD7	128	DQRAHSGKLRWPWPG
498	D3Z7X0	75	ATAQQSGKLTESMAE
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500	D3Z7X0	97	KEGFRVFKEMPATKT
501	D3Z7X0	103	FKEMPATKTLSRSYH
502	D3Z7X0	122	PRSPRTPKGVRGHST
503	D3Z7X0	168	LVQFIEQKVYPLEPE
504	D3Z7X0	200	EDLKEKAKAEGLWNL
505	D3Z7X0	217	PLETDPEKKYGAGLT
506	D3Z7X0	267	RYGTTEEQKARWL VPL
507	D3Z7X0	289	CFAMTDRKVVASSDAS
508	D3Z7X0	315	SYVINGHKWWTSGIL
509	D3Z7X0	327	GILHPHCKLCVFMGK
510	D3Z7X0	334	KLCVFMGKTDPQAPR
511	D3Z7X0	467	QARLLVLKAAHLMDV
512	D3Z7X0	488	ALEMAMIKMVVPSMA
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515	F6RAZ3	84	TPFTNGDKIGCFALS
516	F6RAZ3	144	TDRSRQNKGISAF LV
517	F6RAZ3	162	TPGLTLGKKEDK LGI
518	F6RAZ3	186	FEDCRIPKENLLGEP
519	F6RAZ3	198	GEPGMGFKIAMFKLA
520	F6RAZ3	233	DNKKPFTKESAMAKL
521	Q99J08	70	RKQKDIDKII SWQPP
522	Q99J08	109	IIGPLDAKGLLFSAS
523	Q99J08	117	GLLFSASKQDLLRTK
524	Q99J08	124	KQDLLRTKMRDCELL
525	Q99J08	141	ECIQQTTLGKKIET
526	Q99J08	144	QQTTLGKKIETITM
527	Q99J08	145	QTTKLGKKIETITMI
528	Q99J08	161	DCEGLGLKHLWKPAV
529	Q99J08	165	LGLKHLWKPAVEAYG
530	Q99J08	187	ENYPETLKRRLFV VKA
531	Q99J08	196	LFVVKAPKLPVAYN
532	Q99J08	206	PVAYNLIKPF LSEDT

533	Q99J08	230	NWKEVLLKHISPDQL
534	Q99J08	266	NYGGDIPKQYYVRDQ
535	Q99J08	275	YYVRDQVKQYQYEHTV
536	Q99J08	321	VFGIFLKTMMGERQ
537	Q99J08	375	YSFIIHAKKVSFTVE
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539	Q99J08	388	VEVLLPDKAAEEKMN
540	Q8BWT1	269	IASEDAVKKHNF TPL
541	Q8BWT1	270	ASEDAVKKHNF TPLA
542	Q8BWT1	340	ALDLDPKSTNVSGGA
543	Q9CR57	53	RRQAMPFKCMQLTDF
544	Q9CR57	63	QLTDFILKFPHSARQ
545	Q9CR57	71	FPHSARQKYVRKAWE
546	Q9CR57	75	ARQKYVRKAWEKADI
547	Q9CR57	93	WAATRWAKKIDARER
548	Q9CR57	94	AATRWAKKIDARERK
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552	Q9CR57	141	AILKASPKKA AVAKA
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554	Q9CR57	195	QKAAPPAKGQKGQKT
555	P17182	28	EVDLYTAKGLFRAAV
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558	P17182	105	DGTENKSKFGANA IL
559	P17182	126	CKAGAVEKGVPLYRH
560	P17182	162	GGSHAGNKLAMQEFM
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563	P17182	202	VIKEKYGKDATNVGD
564	P17182	221	APNILENKEALELLK
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568	P17182	306	DDWGAWQKFTASAGI
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571	P17182	406	CRSERLAKYNQILRI
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574	P02088	67	KVKAHGKKVITAFND
575	P09411	17	DKLDVKGKRVVMRVD
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585	P09411	264	LYDEEGAKIVKDLMS
586	P09411	267	EEGAKIVKDLMSKAE
587	P09411	272	IVKDLMSKAEKNGVK
588	P09411	279	KAEKNGVKITLPVDF
589	P09411	291	VDFVTADKFDENAKT
590	P09411	322	DCGTESKKYAEAVG
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592	P09411	382	DTATCCAkwntEDKV
593	Q9DC50	49	FANEDEYKKTEEIVQ
594	Q9DC50	69	AGKRLHQKLLERARG
595	Q9DC50	143	WQLLRREKLPVHKSG
596	Q9DC50	167	RMLFSTCKVPGITRD
597	Q9DC50	226	RQLTYIHKKCSNEPV
598	Q9DC50	227	QLTYIHKKCSNEPVG
599	Q9DC50	268	ENLTLLEKIQTSLFV
600	Q9DC50	354	LETEGRWKGSEKVRD
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602	Q9DC50	375	LVFTVDEKILNDVVSQ
603	Q9DC50	489	KMLEAFAKHNKMMKD
604	Q9DC50	492	EAFAKHNKMMKD CSH
605	Q9DC50	495	AKHNKMMKDCSHGKG
606	Q9DC50	501	MKDCSHGKGFDRHLL
607	Q91YY4	72	NLDHRKCLKTPQAKLF
608	Q91YY4	77	KLKTPQAKLFTVPSE



609	Q91YY4	102	DSQQDTIKFYTMHLT
610	Q91YY4	124	DNPTQRSKQDLIRAA
611	Q91YY4	155	ETLVELQKNEWDPVI
612	Q91YY4	247	EEYQIQKWGNIEWA
613	Q91YY4	283	CSESSTVKKLLQEX
614	P51660	65	VVAEIRRKGGKAVAN
615	P51660	140	AAWDHMKKQNYGRIL
616	P51660	246	VGAGWIGKLRWERTL
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619	P51660	330	FVGAVGHKLPSPFSS
620	P51660	361	VKNPKDLKFVYEGSA
621	P51660	383	FGVIVAQKSMNGGL
622	P51660	527	ASVAGFEKPIHLGLC
623	P51660	564	AIKVRFAKPVYPGQT
624	P51660	588	NR LHFQTKVHETGDV
625	P51660	643	SVGREVVKKANAVFE
626	P51660	644	VGREVVKKANAVFEW
627	P51660	668	AKWTIDLKSGSGEVY
628	P51660	714	AFFSGRLKARGNIML
629	P01942	91	LSDLHAHKLRVDPVN
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635	D3Z636	131	TPNIFPHKGYIWNYG
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639	D3Z636	271	NSAHERWKEMVMKCC
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645	P56480	212	FGGAGVGKTVLIMEL
646	P56480	350	QERITTTKKGSITSV
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649	P56480	489	VPLKETIKGFQQILA
650	P56480	519	PIEEAVAKADKLAEE
651	P32020	26	VGMTKFMKPPGGENSR
652	P32020	40	RDYPDMAKEAGQKAL
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654	P32020	132	ERGSIGTKFSDRTP
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656	P32020	150	HIEVLIDKYGLSAHP
657	P32020	168	QMFYAGKEHMEKYG
658	P32020	177	HMEKYGTKVEHFAKI
659	P32020	187	HFAKIGWKNHKHSVN
660	P32020	190	KIGWKNHKHSVNNTY
661	P32020	211	YSLEEVMSKPVDFD
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663	P32020	250	QQYGLQSKAVEIVAQ
664	P32020	291	AARRCYEKSGLTPND
665	P32020	378	QLRGEAGKRQVPGAK
666	A2BGI8	42	DGVP IGYKGFHRV
667	A2BGI8	51	STFHRVIKDFMIQGG
668	A2BGI8	134	DGLLVMRKIENVPTG
669	A2BGI8	145	VPTGPNNKPKLPVVI
670	A2BGI8	147	TGPNNKPKLPVVISQ
671	D3YVC1	65	KEWIPVTKLGRLVKD
672	D3YVC1	71	TKLGRLVKDMKIKSL
673	D3YVC1	76	LVKDMKIKSLEEIYL
674	D3YVC1	125	AGQRTRFKAFVAIGD
675	D3YVC1	159	RGAILAKLSIVPVR
676	D3YVC1	173	RRGYWGNKIGKPHTV
677	D3YVC1	176	YWGNKIGKPHTVPCK
678	D3YVC1	183	KPHTVPCKVTGRCS
679	D3YVC1	238	ATLGNFAKATFDAIS
680	D3YVC1	257	YLPDLWKETVFTKS
681	D3YVC1	263	WKETVFTKSPYQVFX
682	G3UYH1	40	NPEICYNKLFINNEW
683	Q99J39	210	SPCEVLQKISECEAV
684	Q99J39	227	VKNWMDMKRRVGPYR

685	Q99J39	269	NNIQGIVKECPPTET
686	Q99J39	312	FLIKRVVKELQKEFP
687	Q99J39	335	SPIPGFTKWLLGLLN
688	Q99J39	409	AWYLYGEKHRGYALN
689	Q99J39	441	WMADSSLKGLTSSCG
690	Q99J39	471	SISYLGSKNIKASEQ
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694	P50544	80	SFAVGMFKGQLTIDQ
695	P50544	128	AKNDALEKVEDDTLQ
696	P50544	196	GILLYGTKAQREKYL
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698	P50544	265	DIFTVFAKTPIKDAA
699	P50544	277	DAATGAVKEKITAFAV
700	P50544	317	EVYFDGKVPSENVL
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703	P50544	445	MGGMGFMKEPGEVERV
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706	P50544	557	AKLVKHKKGIVNEQF
707	P50544	640	RNFRSISKAMVENGG
708	Q9WVM8	15	TATSLARKPSPIRTT
709	Q9WVM8	88	PELLSWLKQFQVKLH
710	Q9WVM8	173	I IPEGLKKILSQWKP
711	Q9WVM8	184	QWKPEDSKDPTKKTTP
712	Q9WVM8	189	DSKDPTKKTTPKFLYT
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714	Q9WVM8	213	NSLTGDRKKEIYELA
715	Q9WVM8	240	YYFLQFSKPWEPTFL
716	Q9WVM8	351	LAEWHVPKAGMFLWI
717	Q9WVM8	359	AGMFLWIKVKGISDT
718	Q9WVM8	361	MFLWIKVKGISDTKQ
719	Q9WVM8	373	TKQLIEEKAIEREVL
720	Q8C196	26	GFANVTTKRQWDFSR
721	Q8C196	147	YNHWLATKSLGQWLQ
722	Q8C196	182	DKGTMLGKIEFEGQS
723	Q8C196	210	EVSTKDVKVFGKGNP
724	Q8C196	219	FGKGNPTKVVAVDCG
725	Q8C196	310	AAGAKSYKMSMANRG
726	Q8C196	350	NLTPAGWKPLFVNVN
727	Q8C196	369	EGIMHESKPPFAVQF
728	Q8C196	399	DSFFSLIKKGKGTTI
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730	Q8C196	450	YSGSQAVKAMKEENV
731	Q8C196	453	SQAVKAMKEENVKTV
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733	Q8C196	532	VLKEYGVKVLGTSVE
734	Q8C196	630	ERSVTGWKEIEYEVV
735	Q8C196	772	SLDYMVTKIIPRDLDD
736	Q8C196	811	TFEESFQKALRMCHP
737	Q8C196	856	TRIYAIKALENNMS
738	Q8C196	880	IDKWFLYKMRDILNM
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741	Q8C196	1070	NLAVPLYKNGVKIMG
742	Q8C196	1281	DFIDVATKVMIGESI
743	Q8C196	1348	GIHTAFLKAMLSTGF
744	Q8C196	1425	PSLSSIRKLIRDGSI
745	F6T930	86	DI IYAGEKAQFGQPE
746	F6T930	105	TIPAQDAKQAGLVSK
747	F6T930	161	TEGNKLEKRLFYSTF
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749	Q9JL8	131	QSDSQVQKDPQYQGL
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754	P48962	49	SKQISAEKQYKGIID
755	P48962	96	FAFKDKYKQIFLGGV
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759	P48962	260	GTLDWCWRKIAKDEGA
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766	P51174	338	QHKLAELKTHICVTR
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768	P51174	400	MWEYPIAKAYVDARV
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772	P45952	236	PGIHIGKKELNMGQR
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774	F6VVY4	35	TCGMPKVKFIHDQTS
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776	F6VVY4	102	YQGDNHNKPMNPLIT
777	F6VVY4	131	NTPLDVIKTRMQGLE
778	F6VVY4	141	MQGLEAHKYRNTLDC
779	F6VVY4	192	EVVKLLNKVWKTDX
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781	Q8K2B3	92	FNTACLTKLFPTRSH
782	Q8K2B3	182	GQSLKFGKGGQAHRC
783	Q8K2B3	361	GRGCGPEKDHVYLQL
784	Q8K2B3	397	FAGVDVTKEPIVLP
785	Q8K2B3	517	ELRLNMQKSMQNHAA
786	Q8K2B3	608	VDEYDYSKPIQGQK
787	Q8K2B3	616	PIQGQKPPFGEHWR
788	Q8K2B3	624	PFGEHWRKHTLSYVD
789	Q8K2B3	633	TLSYVDIKTGKVTLE
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791	E0CX19	132	NAIASCQKPYVALID
792	E0CX19	202	ALTGYRLKGRDVHRA
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794	E0CX19	296	PFAIEQMKFSLTKTR
795	E0CX19	301	QMKFSLTKTRLQNGN
796	Q61425	24	SASAAAKKILIKHVT
797	Q61425	75	KGIEESLKRMAKKKF
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799	Q61425	271	YVGLDTTKFILDGWH
800	Q61425	304	VAQKKLGKKTGEGFY
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804	D3Z0K8	137	EAVQNHVKSLSNWGHR
805	D3Z0K8	151	RVQLQDRKVKYFNK
806	D3Z0K8	153	QLQDRKVKYFNKAS
807	D3Z0K8	172	HTVRGVDKGGKATLL
808	D3Z0K8	199	PRYPTQVKGALYGI
809	D3Z0K8	215	SDDIFWLKESPGKTL
810	D3Z0K8	277	SHGTQFLKGCVP SHI
811	D3Z0K8	285	GCVPSHIKKLPTNQL
812	D3Z0K8	286	CVP SHIKKLP TNQLQ
813	D3Z0K8	303	WEDHASGKEDTGTFD
814	D3Z0K8	340	STNPKNQKIIIVDAQE
815	D3Z0K8	418	DASQCYIKMVC MREP
816	D3Z0K8	475	TCSEEVVKLHISKRS
817	D3Z0K8	480	VVKLHISKRSGLEPT
818	Q78IK2	17	FQFTGIKKYFN SYTL
819	Q99K67	23	LSRGLHHKPV MALRR
820	Q99K67	45	RRAPLAPKHIKGITK
821	Q99K67	104	EEKLMSKKT YAFFSH
822	Q99K67	128	NLLDEV LKQEIRLID
823	Q99K67	212	ISLGLMPK SIGPLTF
824	Q99K67	229	TGTGNVSKGAQEVFN
825	Q99K67	348	GCPELPHKLVAICDI
826	Q99K67	522	NQMQLSKKYNINPV
827	Q99K67	523	QMQLSKKYNINPVS
828	Q99K67	564	VLHPVVAKACIESRV
829	Q99K67	649	SDNPLRYKFSWSPVG
830	Q99K67	672	ASYLLNGKV VNVVTGG
831	Q99K67	728	LRGTLRYKGYSKALN
832	Q99K67	820	SIVDAFSKHLVSKLS
833	Q99K67	833	LSYGPEEKDMIVMRD
834	Q99K67	854	PSGHLENKTIDL VVY
835	Q99K67	872	NGFSAMAKTVGLPTA
836	Q61176	33	KGPAALRKAGLLEKL

837	Q61176	68	DSSFQIVKNPRSVGK
838	Q61176	89	GVVAEVQKNGRVSVV
839	Q61176	153	SFLLKELKGKFPDVP
840	Q61176	155	LLKELKGKFPDVPGF
841	Q61176	196	I IKTGLGIKYFSMTEV
842	Q61176	266	YITEE IYKTGLLSGL
843	Q61176	313	TQREGNHKPGTDYLK
844	Q8BMS1	94	SAVLISSKPGCFVAG
845	Q8BMS1	132	RMFEKLEKSPKPVVA
846	Q8BMS1	289	VYKTVEEKVKKQTKG
847	Q8BMS1	291	KTVEEKVKKQTKGLY
848	Q8BMS1	292	TVEEKVKKQTKGLYP
849	Q8BMS1	351	NGQVLCCKNKFGAPQ
850	Q8BMS1	359	NKFGAPQKNVQQLAI
851	Q8BMS1	489	NQIAAVSKRPEKVI
852	Q8BMS1	625	LLKQMVSKGFLGRKS
853	Q8BMS1	735	KVVDRLRKYESAYGT
854	D6RIL6	42	PRRHAEKRIKVEKP
855	D6RIL6	67	RIWQFIKEKLILPH
856	D6RIL6	129	RVEEFKLLKMMWSPN
857	D6RIL6	130	VEEFKLLKMMWSPNG
858	D6RIL6	133	FKLLKMMWSPNGTIR
859	D6RIL6	205	PKDGSSAKEWEVYNF
860	P26443	110	RGILRRIKPCNHVLS
861	P26443	363	GSILGFPAKAVYEGS
862	P26443	457	SYGRLTFKYERDSNY
863	Q9DCM2	85	QVPLNIPKDFFGETV
864	H3BJQ7	158	DPTGAFGKATDLLLD
865	H3BJQ7	178	LFGNRRLLKRFSMVID
866	P19783	78	SSLSRDEKVQLYRIQ
867	P19783	101	NRGTNEWKTVVGMAM
868	P19783	143	DWVAMQTKRMLDMKA
869	P19783	149	TKRMLDMKANPIQGF
870	P19783	164	SAKWDYDKNEWKXXX
871	D3Z4U1	10	HYHDNYGKIRNIETF
872	D3Z4U1	182	QLPEKTWKSFRFTT
873	B1ASE2	5	XXXMAGRKLALKTID
874	B1ASE2	48	RLASLSEKPPAIDWA
875	Q9QYR9	136	RPLWRLIKRDVQTPF
876	Q9QYR9	222	RASLLAGKGFVAMAL
877	Q9QYR9	263	LRSHPEVKGPGIGLL
878	Q9QYR9	287	LAMASFLKGITAAVV
879	Q9QYR9	324	SLLRNQVKMTKDGLL
880	Q9QYR9	369	GQDDHNWKSEFYADE
881	Q9QYR9	379	FYADEISKRLQAHGK
882	Q9QYR9	386	KRLQAHGKEKQPQIIC
883	Q9QYR9	388	LQAHGKEKQPQIICYP
884	P12710	6	XXMNFSGKYQLQSQE
885	P12710	47	EIVHEGKKIKLTITY
886	Q91XE0	20	MLEKSLRKYLPESLK
887	Q91XE0	27	KYLPESLKVYGTVYH
888	Q91XE0	81	NTYQVYSKDPQNCQE
889	Q91XE0	99	SSEVINWKQHLQIQS
890	Q91XE0	151	FPSLLDTKNLSTGSG
891	Q91XE0	202	RFIERCIKNFPSSCV
892	Q91XE0	274	KSNIAMQKMSYTLQH
893	Q91XE0	292	PCAWNQWKCMPMXXX
894	D3Z106	5	XXXMQWLKSFQICKV
895	D3Z106	11	LKSFQICKVLQGFSL
896	D3Z106	63	AQMEEEGKRGPSPAF
897	D3Z106	156	RIQISRAKAIVTTAS
898	D3Z106	210	SPDHTECIKSKMKDPM
899	D3Z106	212	DHTCIKSKMKDPMI
900	D3Z106	230	SGTTGYPKMAKHNQG
901	D3Z106	249	SYIPSCRKLLKLTST
902	D3Z106	254	CRKLLKLTSDILWC
903	D3Z106	296	HLPQFDPKVIVVFLF
904	D3Z106	304	VIVEVLFKYPIITQCL
905	D3Z106	373	SETLIDEKGNILPPN
906	D3Z106	481	KDRGEVVKAFIVLNP
907	D3Z106	500	HDQEQLIKELQHHVK
908	D3Z106	518	APYKYPRKVEFVSEL
909	Q3UUI3	58	LPDQFMKKCEDGSKW
910	Q3UUI3	65	KCEDGSKWRMPSHRQ
911	Q3UUI3	92	FVDSKFKKEEQMSKA
912	Q3UUI3	120	EYAMFYNKVEKRTVS

913	Q3UUI3	123	MFYNKVEKRTVSLFQ
914	Q3UUI3	175	ANLNITYKKPIPLLS
915	Q3UUI3	176	NLNITYKKPIPLLSV
916	Q99KIO	86	NQEIERGKTYLRLRP
917	Q99KIO	117	FISSGLPKVAVPSTI
918	Q99KIO	225	AGIPWELKCPKVIGV
919	Q99KIO	250	SPKDVILKVAGILTV
920	Q99KIO	304	FPYNHRMKKYLSKTG
921	Q99KIO	309	RMKKYLSKTGRTDIA
922	Q99KIO	323	ANLAEFFKDHLVPDP
923	Q99KIO	409	QALAHGLKCKSQFTI
924	Q99KIO	458	CIGQWDRKDIKKGEK
925	Q99KIO	506	LAIAGTLKFNPEPDF
926	Q99KIO	652	DTARYYKKGIRWVV
927	Q99KIO	717	ADPSDYNKIHPVDKL
928	Q99KIO	739	FAPGKPLKCVIKHPN
929	P28474	31	EIEVAPPKAHEVRIK
930	P28474	38	KAHEVRIKILATAVC
931	P28474	84	GEGVTKLKAGDTVIP
932	P28474	101	IPQCGECKFCLNPKT
933	P28474	107	CKFCLNPKTNLCQKI
934	P28474	113	PKTNLCQKIRVTQ GK
935	P28474	120	KIRVTQ GKGLMPDGT
936	P28474	133	GTSRFTCKGKSVFHF
937	P28474	135	SRFTCKGKSVFHFMG
938	P28474	159	VADISVAKIDPSAPL
939	P28474	188	GAAVNTAKVEPGSTC
940	P28474	212	LAVIMGCKVAGASRI
941	P28474	323	GTAFGGWKSVEVSPK
942	P28474	341	EYMSKKIKVDEFVTG
943	Q8BJ64	89	GSKRLQWKIHMPAAL
944	Q8BJ64	104	VSNLCDDKYNWYYHT
945	Q8BJ64	195	PLHVSARGKTNHPLHQ
946	Q8BJ64	238	DMTVHQGKRWSTACA
947	Q8BJ64	415	QVIDHGRKPTQQEAY
948	Q8BJ64	519	YHPSTCKMGRSSDP
949	Q8BJ64	574	EKAADI IKGHPALED
950	Q8BJ64	588	DKNVPVYKQPQLDTQ
951	P00329	105	CGECRICKHPESNFC
952	P00329	169	DGASPLDKVCLIGCG
953	P00329	326	IFGGFKSKDSVPKLV
954	P00329	367	FDLLRSGKSIRTVLT
955	P26043	60	KGYSTWLKLNKKVTQ
956	P26043	64	TWLKLNKKVTTQQDVK
957	P26043	71	KVTQQDVKKENPLQF
958	P26043	72	VTQQDVKKENPLQFK
959	P26043	79	KENPLQFKFRAKFFP
960	P26043	107	RLFFLQVKEAILNDE
961	P26043	139	AKYGDYNKEIHKPGY
962	P26043	143	DYNKEIHKPGYLAND
963	P26043	193	DSMMEYLKIAQDLEM
964	P26043	209	GVNYFEIKNKKGTEL
965	P26043	211	NYFEIKNKKGTEWL
966	P26043	233	NIYEHDDKLTTPKIGF
967	P26043	237	HDDKLTTPKIGFPWSE
968	P26043	253	RNISFNDKKFVIKPI
969	P26043	254	NISFNDKKFVIKPID
970	P26043	263	VIKPIDKKAPDFVIFY
971	P26043	296	ELYMRRRKPDITIEVQ
972	P26043	313	KAQAREEKHQQLER
973	P26043	337	REIAEKEKERIEREK
974	P26043	427	ELAEFTAKIALLEEA
975	P26043	448	EATEWQHKAFAAQED
976	P26043	464	EKTKEELKTVMSAPP
977	P26043	544	QARDETCKKTQNDVLH
978	P26043	556	VLHAENVKAGRDKYK
979	P26043	561	NVKAGRDKYKTLRQI
980	P26043	574	QIRQGNTKQRIDEFE
981	Q8BWF0	101	YDAFNSWKGVSVKER
982	Q8BWF0	106	SWKGVSVKERSLLLR
983	Q8BWF0	216	AGCTVVVKPAEDTPY
984	Q8BWF0	320	VAGAMASKFRNAGQT
985	Q8BWF0	353	TKFAEAMKSLRVGN
986	Q8BWF0	399	ATVVTGGKRHQSGGN
987	Q8BWF0	439	APVIKFDKEEEAVAI
988	Q8BWF0	496	ECPFGGVKQSGLGRE

989	F6R307	59	DALKSDKKVRTIIIR
990	P34914	76	ESYRKSSKACGANLP
991	P34914	132	NWLDDGDKRDSLAQM
992	P34914	243	SHGYVTVKPGIRLHF
993	P34914	313	YAMELLCKEMVTFILD
994	P34914	397	VAEAELEKNMSRTFK
995	P34914	404	KNMSRTFKSFFRASD
996	P34914	477	RNWKWSCKGLGRKIL
997	P34914	529	GHWTQIEKPTENVQI
998	O08749	14	VYRSLAKKGHFNRIS
999	O08749	72	FKTVCIEKNETLGGT
1000	O08749	127	LEKMMEQKHSAVKAL
1001	O08749	177	STQVIDTKNILVATG
1002	O08749	284	KVTGATKKSDGKIDV
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1004	O08749	346	VNNRFQTKIPNIYAI
1005	O08749	365	AGPMLAHKAEDGEII
1006	O08749	404	PEVAWVGKSEEQLKE
1007	O08749	440	ADTDGMVKILGHKST
1008	D3YZC0	55	SSVEYEPKEKTFDKI
1009	D3YZC0	57	VEYEPKEKTFDKILLI
1010	D3YZC0	76	EIACRVIKTCKKMG I
1011	P24270	13	DPASDQMKQWKEQRA
1012	P24270	169	PSFIHSQKRNPQTHL
1013	P24270	177	RNPQTHLKDPDMVWD
1014	P24270	233	DGEAVYCKFHYKTDQ
1015	P24270	237	VYCKFHYKTDQG IKN
1016	P24270	349	GIEFSPDKMLQGRLF
1017	P24270	480	FIQKKA VKNFTDVHP
1018	E9PUY9	69	NALGSLPKETARQNY
1019	E9PUY9	142	RDIILALKNASTDNT
1020	D3Z563	39	WDSWNKLGTSKESA
1021	D3Z563	58	VEKVDELKKKYGIXX
1022	B1AWZ5	123	PNLAFIDKQVEEITY
1023	B1AWZ5	136	TYLVPWCKIGTPPKE
1024	E9PWY6	115	IHKNL EAKIAHFHQ R
1025	E9PWY6	167	IDGIRLCKAHKYR YR
1026	E9PWY6	170	IRLCKAHKYR YRHLD
1027	E9PWY6	330	KTRRFRSKMEAAAGFT
1028	E9PWY6	366	MADDMLKKGKWLTSR
1029	E9PWY6	368	DDMLKKGKWLTSR TF
1030	D3Z4M7	51	SSKELLMKLRKKTGY
1031	D3Z4M7	83	QAEDWLHKQAQKEGW
1032	D3Z4M7	102	KLHGRKTKEGLIGLL
1033	D3Z4M7	129	LCLSPQQKD VVGVER
1034	Q9CZU6	352	YGHAVLRKTDPRYSC
1035	Q99JY0	42	SAPAVQTKSKKTLAK
1036	Q99JY0	73	LLSGT SYKDLMPHDL
1037	Q99JY0	96	LHRTNIPKDVVDYII
1038	Q99JY0	112	GTVIQEVKTSNVARE
1039	Q99JY0	129	LGAGFSDKTPAHTVT
1040	Q99JY0	182	RHSRNM RKMLDLNK
1041	Q99JY0	407	AQNYMGRKTKVGSPP
1042	Q99JY0	417	VGSPPLEKFNIW GGS
1043	Q99JY0	448	AAANRLRKDGGQYAL
1044	Q99KR7	72	LKADVVPKTAENFRA
1045	Q99KR7	132	PDENFTLKHVGPV L
1046	Q99KR7	159	QFFICTIKTDWLDGK
1047	Q99KR7	196	KSGKTSKKIVITDCG
1048	P19157	30	ADQQQS WKEEVVTID
1049	P19157	45	TWMQGLLKPTCLYGQ
1050	P19157	141	LSQNQGGKAFIVGDQ
1051	Q9EQI8	59	QRPPLITKALTP LQE
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1053	Q9EQI8	150	DRTSLHRKLD RNLVL
1054	Q9EQI8	201	SENNMEAKFLGNAPC
1055	Q9EQI8	247	DFVQAGKKS RHVWAS
1056	Q9EQI8	265	LGDYLQPKYLAQVRR
1057	Q91Y97	14	ALTPEQKKE LSEIAQ
1058	Q91Y97	28	QRIVANGKGI LAADE
1059	Q91Y97	99	NLFRNVLKEKGIVVG
1060	Q91Y97	139	SERCAQYKKDGVDFG
1061	Q91Y97	208	HCQYVSEKVLAAVYK
1062	Q91Y97	242	TAGHACTKKYTPEQV
1063	Q91Y97	243	AGHACTKKYTPEQVA
1064	Q91Y97	297	CPLPRPWKLSFSYGR

1065	Q71RI9	19	GCRSKPIKTIYSSSK
1066	Q71RI9	35	LGLCTSAKMALKFKN
1067	Q71RI9	41	AKMALKFKNAKRIEG
1068	Q71RI9	109	FGHPALVKALSCLYG
1069	Q71RI9	182	VFIPLRSKPTDGMKW
1070	Q71RI9	204	DPRELESKFSSKTKA
1071	Q71RI9	210	SKFSSKTKAII LNTP
1072	Q71RI9	223	TPHNPLGKVYTRQEL
1073	Q71RI9	262	YTGHTHVKIIATLPGM
1074	Q71RI9	400	PYDYKFVKWMTKHKK
1075	Q71RI9	404	KFVKWMTKHKKLTAI
1076	Q71RI9	406	VKWMTKHKKLTALPV
1077	Q71RI9	427	KSKPHFEKLVRFCCI
1078	Q71RI9	436	VRFCCI KKDSTLDAA
1079	Q9DBM2	199	EPRRILNKPVPSLPN
1080	Q9DBM2	248	HPYEVAIKEEAKLFM
1081	Q9DBM2	336	KQLDTAKKIIITSTLE
1082	Q9DBM2	396	AELSALCKPGAFLECT
1083	Q9DBM2	530	DVGWVKVRKGQGLTGP
1084	Q9DBM2	547	PPGTPTRKRGNTRYS
1085	Q9DBM2	569	EAGRFGQKTGKGWYQ
1086	Q9DBM2	605	YRETHHIKQRSISKE
1087	Q9DBM2	673	GLPTVLEKQLQKYRQ
1088	Q9DBM2	676	TVLEKQLQKYRQNP
1089	M0QWP3	140	YMPPETAKKLVPSLL
1090	M0QWP3	169	AIDQEMFKLSTLDVT
1091	D3Z6F5	73	VVVFNDKLIKEGDV
1092	D3Z6F5	76	FGNDKLIKEGDVVKR
1093	D3Z6F5	125	TRRRVGLKAPGII PR
1094	D3Z6F5	168	IGDRQTGKTSIAIDT
1095	D3Z6F5	191	DGTDEKKKLYCIYVA
1096	D3Z6F5	220	LTADAMKYTIVVSA
1097	D3Z6F5	266	IYDDLKQAVAYRQ
1098	D3Z6F5	384	KQVAGTMKLELAQYR
1099	D3Z6F5	453	LDKLEPSKITKFENA
1100	B2RQC6	46	ALTDPSYKAQIILVLT
1101	B2RQC6	127	DTRELTKKLRQGS
1102	B2RQC6	449	TSQGLADKVYFLPIT
1103	B2RQC6	571	GSGFASTKEELSALV
1104	B2RQC6	595	VLIDKSLKGWKEIEY
1105	B2RQC6	754	KFLRVSTKIGSCMKS
1106	B2RQC6	760	TKIGSCMKSVEVMG
1107	B2RQC6	867	QDLLHQAKCLGFSDK
1108	B2RQC6	968	QLRKMGYKTIMVNYN
1109	B2RQC6	1050	DSAENRFKFSRLDIT
1110	B2RQC6	1127	EHPVVISKFIQEAKE
1111	B2RQC6	1133	SKFIQEAKEIDVDAV
1112	B2RQC6	1206	FNLQLIAKDDQLKVI
1113	B2RQC6	1211	IAKDDQLKVI ECNVR
1114	B2RQC6	1246	TRIIMGEKVEPVGLM
1115	B2RQC6	1431	VPLIIDIKCTKLFVE
1116	B2RQC6	1434	IIDIKCTKLFVEALG
1117	B2RQC6	1450	IGPAPPLKVHVDCMT
1118	B2RQC6	1460	VDCMTSQKLVRLPGL
1119	B2RQC6	1482	REPGGTHKEDFASGT
1120	B2RQC6	1768	PSHMPFSKARWTPFE
1121	B2RQC6	1930	GQHILSVKQFTKDQM
1122	B2RQC6	1934	LSVKQFTKDQMSHLF
1123	B2RQC6	1953	TLRMMVQKERSLDIL
1124	B2RQC6	1963	SLDILKGKVMASMFY
1125	B2RQC6	2003	EATSSVQKGESLADS
1126	B2RQC6	2149	LYMTRIQKERFGSVQ
1127	B2RQC6	2176	PHIMTRAKKMMVVMH
1128	B2RQC6	2178	IMTRAKKMMVVMHPM
1129	P52196	46	PGTRQARKEYQERHV
1130	F7BP55	11	ASEPEIPKGIRAVLL
1131	F7BP55	25	LGPPGAGKGTQAPKL
1132	Q9QXX4	18	RADPAELKAI FLKYA
1133	Q9QXX4	29	LKYASIEKNGEFFMS
1134	Q9QXX4	143	LHFGKERKRHLTYAE
1135	Q9QXX4	164	EIQLEHAKQAFVQRD
1136	Q9QXX4	174	FVQRDNAKTGKVS AI
1137	Q9QXX4	177	RDNAKTGKVS AIDFR
1138	Q9QXX4	235	NNMELIRKIYSTLAG
1139	Q9QXX4	373	FVGELMYKNSFDCFK
1140	Q9QXX4	380	KNSFDCFKKVLRYEG

1141	Q9QXX4	419	VNDFVRDKFMHKDGS
1142	Q9QXX4	423	VRDKFMHKDGSVPLL
1143	Q9QXX4	509	FPCYAHVKASFANED
1144	Q9DBJ1	113	KHGEAQVKIWRRSYD
1145	Q9DBJ1	138	PFYSNISKDRRYADL
1146	Q9DBJ1	176	EEIVPQIKEGKRVLI
1147	D3YWM4	61	PKEKVHVKMADEAVC
1148	Q9DB15	88	SDLNELLLKKTLLKIQD
1149	Q9DB15	126	AEEEDVVPKQKERTHF
1150	Q99LC5	62	VAGTKCDKVVQDLCK
1151	Q99LC5	101	PLILETQKQFSYTHI
1152	Q99LC5	117	AGASAFGKNLLPRVA
1153	Q99LC5	291	IQHLAGMKDSKTIVA
1154	Q61941	70	KEIFQNEKRVALSPA
1155	Q61941	366	PGELYVHKGITHIGY
1156	Q61941	403	LKAISPDKDNFHFV
1157	Q61941	411	DNFHFVKKDDDFDFT
1158	Q61941	433	TVVMKDGKVI FPAPT
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1160	Q61941	956	KMLTEQGGKVRFGIH
1161	P38647	73	CVAVMEGKQAKVLEN
1162	P38647	121	NNTFYATKRLIGRRY
1163	P38647	265	QKGVFEVKSTNGDTF
1164	P38647	555	QSSGGLSKDDIENMV
1165	P38647	563	DDIENMVKNAEKYAE
1166	P38647	575	YAEEDRRKKERVEAV
1167	P38647	576	AEDRRKKERVEAVN
1168	P38647	654	LFEMAYKKMASEREG
1169	Q9JHI5	184	MKLKAEKKGDHYVLN
1170	Q9JHI5	243	STSKKLDKLGMRGNS
1171	Q9JHI5	272	NVLSQESKGVYVLSM
1172	Q9JHI5	356	DEGHIIPKDCAGVIL
1173	Q5FW57	43	QGNPFKLLKALVDKWP
1174	P05202	52	LGVTFAFKRDTNSKK
1175	P05202	150	SFLQRFFKFSRDVFL
1176	P05202	235	ETASVVKKKNLFAFF
1177	P05202	279	CLCQSYAKNMGLYGE
1178	Q8VCW8	169	ELEYVLRKVGCKGIV
1179	Q8VCW8	398	LIRAIINKMMKELV
1180	Q8VCW8	487	FETVQDKWYRTGDI
1181	Q8VCW8	504	MDEQGFCKIVGRSKD
1182	Q8VCW8	559	ICACIRLKSGETTTA
1183	Q8VCW8	574	EEKAFCKGKISHFK
1184	Q8VCW8	581	KGKISHFKIPRYIVF
1185	Q8VCW8	602	TISGKIQKFKLREQM
1186	Q8VCW8	604	SGKIQKFKLREQMEQ
1187	D3Z0E6	42	GQWEEILKQPCPSQY
1188	D3Z0E6	128	GAFGFQLKEAPAGKH
1189	D3Z0E6	134	LKEAPAGKHIIITTR
1190	D3Z0E6	190	FASPGCKKWDTCAPE
1191	D3Z0E6	206	ILHAVGGKLTDIHGN
1192	Q8CHT0	24	RGAGLRWKHTSSLKV
1193	Q8CHT0	54	DALQKALKDLKGQME
1194	Q8CHT0	89	SPFNHAHKVAKFCYA
1195	Q8CHT0	118	ARKEWDLKPMADRAQ
1196	Q8CHT0	317	LAGECGGKNFHFVHS
1197	Q8CHT0	400	AKAFARIKKWLEHAR
1198	Q8CHT0	401	KAFARIKKWLEHARS
1199	Q8CHT0	436	EPCIIIESKDPQEPIM
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1202	E9PWN2	90	MELEIQKCGFSELY
1203	E9PWN2	104	YSWQRERKVKTEFCL
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1205	E9PWN2	130	HVGHALNKILKDIAN
1206	E9PWN2	146	FHMMRGSKVHFVPGW
1207	E9PWN2	183	SAMEIREKARSFAQA
1208	E9PWN2	222	FDPKYEAKQLRVFYQ
1209	E9PWN2	233	VFYQMYEKGLVYRSY
1210	E9PWN2	281	PLLRPPPKLESLETA
1211	E9PWN2	317	ICYMPEAKYAVVKCS
1212	E9PWN2	372	SHPLTPDKVSPLLPA
1213	E9PWN2	451	IKMLQATKNVLKEEN
1214	E9PWN2	470	YPCDWRTKTPVLIRA
1215	E9PWN2	489	FVNITDIKAAAKESL
1216	E9PWN2	540	PVFHHKTKDEYLINS



1217	E9PWN2	645	TSVATRSKAPFRTVM
1218	E9PWN2	661	HGFRTLGEKGEKMSKS
1219	P42125	113	AHYAEYWKNVQELWL
1220	P42125	177	IVAPFWFKDMYVNTI
1221	P42125	247	LTKNMMRKATADNLI
1222	A2AQY8	205	SFSATGWKVGWVMGP
1223	A2AQY8	217	MGPDNIMKHLRTRVHQ
1224	A2AQY8	298	IADISDFKSSMPDLP
1225	A2AQY8	341	FYSQPHHKDFDHYIR
1226	A2AQY8	353	YIRFCFVKDKATLQA
1227	A2AQY8	355	RFCFVKDKATLQAMD
1228	A2AQY8	369	DKRLCSWKGEPQAXX
1229	Q3TCD4	13	VFRLQVAKLHLGRPT
1230	Q3TCD4	47	KDPGNEVKLRLYALY
1231	Q3TCD4	66	EGPCNMPKPGMLDFV
1232	Q3TCD4	75	GMLDFVNKAKWDAWN
1233	Q3TCD4	77	LDNFVNKAKWDARNAL
1234	Q3TCD4	343	IRKNEKEKLYAVNAE
1235	B1AR13	27	ICLPALSKPYQRREI
1236	B1AR13	44	WLARWFPKDPKPVV
1237	B1AR13	54	AKPVVAQKTPIRLEL
1238	B1AR13	76	WCVCGRSKNQPFCDG
1239	Q9CQ62	36	TKTLYQSKDAPQSKF
1240	Q9CQ62	110	ISSKTGNKVHAIKCD
1241	Q9CQ62	162	RLTPNGWKTITDIVL
1242	Q9CQ62	214	VMPSSSAKSGVEAMN
1243	Q9CQ62	246	QPGPIKTKGAFSRLD
1244	Q9CQ62	316	GEFNLSLKKVTKEEWD
1245	Q925I1	43	AGDRPSPKDKWSNFD
1246	Q925I1	45	DRPSPKDKWSNFDPT
1247	Q925I1	445	RTGQHSSKFMLVLS
1248	Q925I1	513	AQFDYGKKCSEVAQL
1249	Q925I1	572	QQKMQLKVERPDSQ
1250	Q9CZD3	113	DDIVDRAKMEDTLKR
1251	Q9CZD3	119	AKMEDTLKRRFFYDQ
1252	Q9CZD3	180	LTPPEVPLKTSGHVDK
1253	Q9CZD3	187	KTSGHVDFKADFVMK
1254	Q9CZD3	209	FRADHLLKAHLQKLM
1255	Q9CZD3	214	LLKAHLQKLMKDKK
1256	Q9CZD3	225	DKKCSAEKKSEMESV
1257	Q9CZD3	254	LFVNYNVKSPTTGND
1258	Q9CZD3	299	QGIFLNFKRLLLEFNQ
1259	Q9CZD3	409	RIYLYLTKVGISPKD
1260	Q9CZD3	503	KAYKKDAKLVLLEYLS
1261	Q9CZD3	537	FTIETEGKTFQLTKD
1262	Q9CZD3	549	TKDMVSVKRFQKTLH
1263	Q9CZD3	622	QEFMPFVKELSEALT
1264	Q9CZD3	723	FEGQETGKKETVEEX
1265	Q99LB2	66	HVVVSSRKQONVDRA
1266	Q8K411	29	HHRVWREKSDQACER
1267	Q8K411	66	ELFLTAVKLSHDNTG
1268	Q8K411	154	PFSTQNPKDFQNLIS
1269	Q8K411	199	PQTPLIFKGVVFNEM
1270	Q8K411	207	GVVFNEMKGAFTDNE
1271	Q8K411	287	IHEEALSKFQRLEQS
1272	Q8K411	437	HKIEIQTKHQASAFG
1273	Q8K411	476	SQLTRFRKCLKENPK
1274	Q8K411	479	TRFRKCLKENPKFLQ
1275	Q8K411	488	NPKFLQEKVEQYFKN
1276	Q8K411	499	YFKNNQHKLTLKMKP
1277	Q8K411	505	HKLTLKMKPDDKYE
1278	Q8K411	509	LSMKPDDKYEQQTQ
1279	Q8K411	513	PDDKYEQQTQMETE
1280	Q8K411	521	QTQMETEKLEQKVN
1281	Q8K411	642	QAQQIELKTGGMSVT
1282	Q8K411	704	EHFKVLVKMTAQELS
1283	Q8K411	769	LRKLPRIKKYLLNCD
1284	Q8K411	808	RNVGRSKKERKPVRP
1285	Q8K411	853	TFKPCQMKTHFVLPF
1286	Q8K411	910	GAYGGAKLTHSGIF
1287	Q8K411	955	QQDIDEAKLSVFSTV
1288	Q8K411	985	YGLSDEMKAQYREQL
1289	Q8K411	1029	PENSKIADPSPWI IK
1290	Q9WTP7	190	VLQYYQKKGVLFTFS
1291	Q91ZA3	115	VGPAPTSKSYLNMDA
1292	Q91ZA3	374	QEMILVAKGYPLRHK

1293	Q91ZA3	560	AKWELSVKLHDEDHT
1294	Q91ZA3	631	QFLGTVYKVVHILTKL
1295	Q91ZA3	652	FMLEKVPKDTSSSTLC
1296	Q91ZA3	690	ICVIEAMKMQNSMTA
1297	Q8QZS1	54	VITLNRPKFLNALSL
1298	Q8QZS1	220	THFVDSEKLRVLEEE
1299	Q8QZS1	256	KSKMDQDKSIFEEH
1300	Q8QZS1	319	QLMEGSSKTLQEVLI
1301	Q8R4N0	39	YSSLSNHKYVPRRAV
1302	Q8R4N0	64	IRKIPSLKVDCAVLD
1303	Q8R4N0	81	DGVAENKKNEARLRI
1304	Q8R4N0	148	ERWFSDKFSLHLKG
1305	Q8R4N0	215	SIGATSNKDTQDILY
1306	Q8R4N0	267	AAMGFTGKQVIHPNQ
1307	Q8R4N0	288	QFTPTPEKIQWAEEL
1308	O35459	76	VQLNRPEKRNAMNRA
1309	O35459	94	ELVECFQKISKSDSDC
1310	O35459	230	ELTFSARKMMADEAL
1311	A2AH52	167	QQRLNEYKRLMSLGG
1312	E9Q1J7	44	VKERIDNKRHAALLG
1313	E9Q1J7	62	RRIDAQHHRGKLTAR
1314	E9Q1J7	142	LSGAHAQKICKIMDQ
1315	E9Q1J7	197	ITGPEVVKSVTNEDV
1316	E9Q1J7	338	LDINSSVKGARFVRF
1317	E9Q1J7	379	GIIRHGAKLLYAFAE
1318	E9Q1J7	410	AYDVMSSKHLGLDTN
1319	E9Q1J7	431	EIAVMGAKGAVEIIF
1320	E9Q1J7	490	DLEVLASKKVHRPWR
1321	E9Q1J7	498	KVHRPWRKHANIPX
1322	E9Q6L3	47	RGYSSEVKTEDELRV
1323	O09174	196	YLSFLWKTQPMGLW
1324	O09174	223	APFYTTYKTADGEFM
1325	O09174	268	ADWPMMKKKFADVFA
1326	O09174	276	KFADVFAKTKAEWC
1327	O09174	340	TPAVPSAKRDPVSGE
1328	P62075	27	GAIMQVQVQIAVAN
1329	P62075	49	MTDKCFRKCIGKPGG
1330	P63038	72	EQSWGSPKVTKDGVIT
1331	P63038	157	AVIAELKKQSKPVTT
1332	P63038	493	EGSLIVEKILQSSSE
1333	P63038	551	AVVTEIPKEEKDPGM
1334	G3UYY1	21	KMLSQPLKSDAEVY
1335	G3UYY1	92	ELEMLCQKRALQAYH
1336	G3UYY1	151	THGFMTDKKKISATS
1337	G3UYY1	167	FFEESMPYKVYPETGY
1338	G3UYY1	265	AGMIFYRKGVRSVDP
1339	G3UYY1	369	TDGGRAEKVLEACSI
1340	G3UYY1	380	ACSIACNKNTCPGIE
1341	P29758	31	SATSVATKKTEQGPP
1342	P29758	49	YIFERESKYGAHNYH
1343	P29758	96	SQGHCHPKIIDAMKS
1344	P29758	129	EYEEYITKLFNYNKV
1345	P29758	161	RRWGYTVKGIQKYKA
1346	P29758	165	YTVKGIQKYKAKIVF
1347	P29758	169	GIQKYKAKIVFADGN
1348	P29758	358	KMGAILRKELMKLPS
1349	Q8R164	158	KYPSYIRKMVIWGAN
1350	Q8R164	204	YGYDYLAKTCEWVD
1351	Q8R164	217	VDGISQFKQLPEGNI
1352	Q3UEG6	38	ASRIAVPKLTLHTKH
1353	Q3UEG6	44	PKLTLHTKHSMPPCD
1354	Q3UEG6	70	SRVLAIHKQHLSPOVD
1355	Q3UEG6	83	VDTAYFRKPLLLHQG
1356	Q3UEG6	269	ERYIEQFKDTLNTSV
1357	Q3UEG6	303	QYPKEFLKEAFALVR
1358	Q3UEG6	372	EIAKSLAKRLLHFST
1359	Q3UEG6	419	YMLLKFAKLRDEFDI
1360	Q3UEG6	453	ISRQPLPKTEVNQIH
1361	Q3UEG6	464	NQIHEDCKDMGLLVG
1362	P51881	63	DCVVRIPKEQGVLSF
1363	A2A8E8	104	AHLLAQDKQNKHTSY
1364	A2A8E8	143	RSDTDAFKRLIRFVP
1365	A2A8E8	182	FNSTRIPKPSRDELFD
1366	A2A8E8	202	RHLLVLRKGFYVFD
1367	A2A8E8	259	VWAE LRQKLIHGGNX
1368	O55137	387	ITFGGEPKPHAMAQL

1369	Q91X34	86	FWSLKPEKLLGRLIK
1370	Q91X34	106	SPYQIHIKACHPYFP
1371	Q91X34	143	GVKRIQVKESRIRGA
1372	Q91X34	308	ETADKDSKYCFPIEK
1373	Q91X34	315	KYCFPIEKAHGHLF
1374	Q91X34	334	DDKNLNSKVHANQAI
1375	Q07417	129	LYLGPILKFGSAQQK
1376	Q07417	335	TWRAAMLKDNKKPFT
1377	P09671	53	IMQLHHSKHHAAYVN
1378	P09671	108	FWTNLSPKGGGEPKG
1379	P09671	132	FGSFEKFKKLTAVS
1380	P09671	194	HAYYLQYKNVRPDYL
1381	P09671	202	NVRPDYLKAIWNVIN
1382	Q99P30	39	YSHLSSNKFSVLVPL
1383	Q99P30	65	TVRSCLKKREPGEVC
1384	Q99P30	161	HPQVYYQKQITQSGR
1385	Q99P30	211	LEQSPAFKIDFDLHD
1386	Q8R0Y6	55	KDGVVPVFKFPRWRAR
1387	Q8R0Y6	128	WTLIHGDKKGGFTIF
1388	Q8R0Y6	129	TLIHGDKKGGFTIFW
1389	Q8R0Y6	205	ATYEGIQKKETAMIN
1390	Q8R0Y6	229	NWIRGNDKVPGAWTE
1391	Q8R0Y6	307	MPASQFFKGSASSAL
1392	Q8R0Y6	394	FIQLLVRKLRGEDGE
1393	Q8R0Y6	539	YFAGWCDKIQGATIP
1394	Q8R0Y6	656	TGSTEVGKHIMKSCA
1395	Q8R0Y6	677	VSLELGKKSPLIIFA
1396	Q8R0Y6	690	FADCDLNKAVQMGMS
1397	Q8R0Y6	703	MSSVFFNKGENCIAA
1398	Q8R0Y6	757	NHEAHLRKLVEYCQR
1399	Q8R0Y6	865	VFVNTYNKTDVAAPF
1400	Q8R0Y6	896	LNEYLRIKTVTFEYX
1401	Q99KR3	91	GGIVDICKNINNDTT
1402	Q99KR3	131	IENGDVVKTEGATLR
1403	Q99KR3	191	LNNLLKIKANI IYPG
1404	Q99KR3	209	VIHNAEAKILEYISH
1405	Q9WVL0	120	LQNLSVLKQVGQENQ
1406	Q9WVL0	191	PTISHINKELLALEV
1407	P38060	31	SSMGTLPKQVKIVEV
1408	P38060	111	PVLTPNMKGFEAAVA
1409	P38060	191	KVAEVAKKLYSMGCY
1410	P38060	298	HTGVNLQKLLLEAGDF
1411	Q9DBT9	74	RDVVLMEKSELTAGS
1412	Q9DBT9	474	LYKTLKSKCSMGFHA
1413	Q9DBT9	491	EQPHWFYKPGQDTQY
1414	Q9DBT9	536	PFGKFNIKGRDSTQL
1415	Q9DBT9	554	LFANVIPKVGFNTNIS
1416	Q9DBT9	750	KPADFIGKQALKQIK
1417	Q9DBT9	829	VEVELLGKNYPATII
1418	Q8QZT1	33	LERSYASKPTLNNEVV
1419	Q8QZT1	254	VKEDEEYKRVDFSKV
1420	Q8QZT1	340	VLKYAGLKKEDIAMW
1421	Q8QZT1	341	LKYAGLKKEDIAMWE
1422	E9QPD7	500	PAQNRAQKLLHLYLGH
1423	E9QPD7	589	RVRTHDLKKIAPYVA
1424	E9QPD7	590	VRTHDLKKIAPYVAH
1425	E9QPD7	718	VADPSRTKYSLEYYM
1426	E9QPD7	893	SKFKEVKKAYVEANQ
1427	E9QPD7	967	FPEPFRSKVLKDLPR
1428	E9QPD7	1044	RLFLQGPKIAEEFEV
1429	E9QPD7	1091	QLRSILVKDTQAMKE
1430	E9QPD7	1104	KEMHFHPKALKDVKG
1431	E9QPD7	1160	PMEGTIRKVHVTKDM
1432	A2CEK3	42	PGTSGLRKNTYYFKE
1433	A2CEK3	86	GDGRYFNKSAIETIV
1434	A2CEK3	200	FDLENKFKPFTVEIV
1435	A2CEK3	237	LSGPNRLKIRIDAMH
1436	A2CEK3	252	GVVGPYVKKILCEEL
1437	A2CEK3	317	DRNMILGKHGFFVNP
1438	A2CEK3	378	YETPTGWKFFGNLMD
1439	A2CEK3	407	GSDHIREKDGLWAVL
1440	A2CEK3	432	QSVEDILKDHWQKFG
1441	A2CEK3	482	KQFSANDKVYTVEKA
1442	Q9QXF8	97	KMLKYALKERWNRK
1443	Q9QXF8	104	KERWNRKPEPSFDNW
1444	Q9QXF8	148	FAHLPDCKGDQSEHR

1445	Q99MR8	36	AWKLRTMKYGTTPGG
1446	Q99MR8	108	QSYLAMEKIIQVAKS
1447	Q99MR8	139	MEFAELCKQEGIIFI
1448	Q99MR8	159	ATRDMGIKSTSKSIM
1449	Q99MR8	163	MGIKSTSKSIMAAAG
1450	Q99MR8	209	AVRGGGGKGMRIVRS
1451	Q99MR8	232	ESARREAKKSFNDDA
1452	Q99MR8	432	HYDPMIAKLVVWASD
1453	Q99MR8	501	PSHSTIAKESVCQAA
1454	Q99MR8	606	NGVARKSKFILLDNT
1455	Q99MR8	683	MKMEHTIKAPKDGR I
1456	Q99MR8	686	EHTIKAPKDGR I KKV
1457	P54071	80	PHVDVQLKYFDLGLP
1458	P54071	155	FREPIICKNIPRLVP
1459	P54071	242	CFQYSIQKKWPLYLS
1460	P54071	243	FQYSIQKKWPLYLST
1461	P54071	340	VLVCPDGKTI EAEAA
1462	P54071	426	IHGLSNVKLNEHFLN
1463	B1AXW4	16	GYPAPNFKATAVMPD
1464	B1AXW4	67	SDRADEFKLLNCQVI
1465	B1AXW4	92	LAWINTPKKQGGLGP
1466	P10518	159	EVALAYAKAGCQVVA
1467	P10518	267	MVREVKDKHPELPLA
1468	P36552	93	QRAEMVPKSSGARSP
1469	P36552	138	RRRPEDMKT KMELMI
1470	P36552	140	RPEDMKT KMELMIME
1471	P36552	239	VSSVIHPKNPYAPTM
1472	P36552	336	DDLSPSKEEAFRFV
1473	P36552	360	SYVPIVKKHCDDSYT
1474	P36552	439	LEVLRHPKDWHVHXXX
1475	Q9CPY7	34	LSTADMTKGLVGLIY
1476	Q9CPY7	43	LVLGIYAKDKDDDL P
1477	Q9CPY7	118	QENWHEGKENIRAAV
1478	Q9CPY7	168	EYDDLKQKKKVAVSA
1479	Q9CPY7	176	KKVAVSAKLGSGDL
1480	Q9CPY7	188	GDLEAWEKGVLFASG
1481	Q9CPY7	224	EIIEKNLKSASSKTK
1482	Q9CPY7	237	TKVHIRPKSWIEEQE
1483	Q9CPY7	417	NSSWLWNKLF EASVE
1484	Q9CPY7	497	DEIPYL RKGMSGRPT
1485	F8WJ41	60	IDDH RAGKIVVNLTG
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1487	Q9D6R2	96	DKNKMGLKGPLKTP I
1488	Q9D6R2	134	CVSIEGYKTPYTDVN
1489	Q9D6R2	169	DGVVQSIKLITEEAS
1490	Q9D6R2	226	AENCKDIKFNEMYLD
1491	Q99L13	315	IYRMMCSKGYSKKDF
1492	Q99L13	319	MCSKGYSKKDFSSVF
1493	D3YVN7	90	EGGGAKFKKYEEIDN
1494	D3YVN7	395	RVILPPGKELAMPGE
1495	D3YVN7	405	AMPGEDLKL SLILRQ
1496	D3YVN7	418	RQPMILEKGQRFTLR
1497	Q99LP6	32	RLLC TATKQKNNGQN
1498	Q99LP6	58	TDPPSADKTLLEEKA
1499	Q99LP6	79	RETM EK YKRALADTE
1500	Q99LP6	153	MTEVQIQKVFTKHGL
1501	Q99LB7	38	EARPTTEKSVPYQRT
1502	Q99LB7	345	FWEEVSDKFAFGLFD
1503	Q99LB7	776	IDLSLIEKGYRHWHHA
1504	Q99LB7	816	LGREALEKQRATGLR
1505	Q99LB7	864	DFGFTVNKTIAYGYI
1506	Q9CZR8	132	DFVSRNLKFQQLVQQ
1507	Q9CZR8	160	DRLSTYSKGF LNSSE
1508	P11930	231	ATECFLSKEIWLAPP
1509	P11930	293	PGDELYVKDSD FLEK
1510	P11930	307	KNMSTDKKTEEIVKE
1511	P11930	340	MTLPSENKHVYPRNY
1512	P60867	59	GPVRMPTKTLRITTR
1513	P60867	86	RFQMRIHKRLIDLHS
1514	Q78J03	76	SGMYLNNKETGMYHC
1515	Q78J03	96	PLFSSEKKYCSGTGW
1516	Q78J03	113	FSEAYGSKGSDESHT
1517	O35386	70	ENGFLVIKNLVSDDD
1518	O35386	310	EVVEMA EKKYGFQGV
1519	O35386	321	FQGVMDFKDTWIFRS
1520	P54869	15	ARRVLQVKRAMQETS

1521	P54869	282	KKIQNQWKQAGNNQP
1522	P54869	306	IFHTPFCKMVQKSLA
1523	Q3UNX5	41	FSNYESMKQDFKIEI
1524	Q3UNX5	56	PEYFNFAKDVLDQWT
1525	Q3UNX5	151	GTTQLTQKDILYRLQ
1526	Q3UNX5	188	KCENLHSKLIVSQHS
1527	Q3UNX5	336	QNDMSSYKFNSLKH
1528	Q3UNX5	341	SYKFNSLKHCVSAGE
1529	Q3UNX5	388	NFKGMKIKPGSMGKP
1530	Q3UNX5	441	HYVDNPSKTASTLRG
1531	Q3UNX5	525	IVLNPDYKSHDQEQ
1532	Q3UNX5	542	EIQEHVKKTTAPYKY
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1534	Q9CZL5	92	RVALQA EKMNHHPEW
1535	Q9D9V3	9	RRCEVNSKPISEYFG
1536	Q9D9V3	266	QAQEWLEK FVSGPPQ
1537	Q9D9V3	280	QVIRGLKKSVC SARE
1538	Q9D9V3	317	NLEAIAKKGKHTKXX
1539	E9Q1G1	5	XXXVQSVKTSKLSGP
1540	A3KGI3	52	QEPNPPRRKRKSSRRV
1541	A3KGI3	75	FQTESHMKTERNSEI
1542	A3KGI3	112	TDCNHERKHANDQTV
1543	A3KGI3	146	KGLSDCTKNENSTKI
1544	A3KGI3	190	SQNI FSEKINS DNFI
1545	A3KGI3	198	INSDNFIKRLKTGKH
1546	A3KGI3	201	DNFIKRLKTGKHISS
1547	A3KGI3	224	AEIPVYSKDSNSASS
1548	A3KGI3	270	QCHTACIKTWIP PST
1549	A3KGI3	288	IGEFKGDKTIYGN EC
1550	A3KGI3	344	PEKKTALKDKLNAAF
1551	A3KGI3	361	SFPNPENKIHIKCH
1552	A3KGI3	420	NDAMELTKCLSAMEE
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1554	A3KGI3	478	AIDNKIFKHDQENIK
1555	A3KGI3	485	KHDQENIKKEIIAIP
1556	A3KGI3	496	IAIPIFEKEMVLRNL
1557	A3KGI3	524	ISVPQVSKE SLQRSQ
1558	A3KGI3	556	DEDMDLTKSHTTKLS
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1560	A3KGI3	655	SEVQEH SKINLEHKN
1561	A3KGI3	710	LKEKQNIKIYGRKSI
1562	A3KGI3	715	NIKIYGRK SIGRLKI
1563	A3KGI3	745	ITKSCTVKINHR SLL
1564	A3KGI3	955	ETRLEDRKGF SFVPL
1565	A3KGI3	1063	THIQEITKNPAAQHK
1566	A3KGI3	1070	KNPAAQHKHMMTTVI
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1568	A3KGI3	1095	SMKIKFHKADRDEEV
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1570	A3KGI3	1198	STYHMDSK KLSVFPP
1571	A3KGI3	1209	VFPPCPSKEVTQTES
1572	A3KGI3	1222	ESAIALLKDED PVEE
1573	A3KGI3	1312	STWENESKIPTNVEH
1574	A3KGI3	1326	HFAVTYEKEL SISIQ
1575	A3KGI3	1336	SISIQTDKCN TNVQS
1576	A3KGI3	1388	SLSNLNRKTEEV LDF
1577	A3KGI3	1453	ETTSVPLKTAVKDKT
1578	A3KGI3	1459	LKTAVKDKTRRCSLG
1579	A3KGI3	1475	FLPKLP SKRSCSITG
1580	A3KGI3	1588	ENDVTNEKKIR THDS
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1582	A3KGI3	1670	SEESLKEK LKDGQIT
1583	A3KGI3	1693	QVHILIQKPRQSTLP
1584	A3KGI3	1702	RQSTLPAKFTINTLP
1585	A3KGI3	1738	DCELLRQKIDELKIS
1586	A3KGI3	1781	NYGIYLNKIKSRYTK
1587	A3KGI3	1783	GIYLNKIKSRYTKMT
1588	A3KGI3	1791	SRYTKMTKVFNHQ GK
1589	A3KGI3	1828	NEMDTILKKINNCLA
1590	A3KGI3	1849	KNLENEEKNDAMEEW
1591	A3KGI3	1954	VGLPFLDKACR KINA
1592	A3KGI3	1958	FLDKACR KINALSFQ
1593	A3KGI3	1995	IEEQESWKKKCTAQH
1594	A3KGI3	1996	EEQESWKKKCTAQHQ
1595	A3KGI3	2059	SSCAAFAKFEITLSP
1596	A3KGI3	2106	PLEENYLKNVVKQIY

1597	P09103	44	EEALAAHKYLLVEFY
1598	P09103	59	APWCGHCKALAPEYA
1599	P09103	108	YPTIKFFKNGDTASP
1600	P09103	133	DIVNWLKKRTGPAAT
1601	P09103	197	SNSGVFSKYQLDKDG
1602	P09103	232	EKLLDFIKHNQLPLV
1603	P09103	265	HILLFLPKSVSDYDG
1604	P09103	352	CHRFLEGKIKPHLMS
1605	P09103	417	DKLGETYKDHENII
1606	P09103	446	VHSFPTLKFFPASAD
1607	D3Z041	49	FWYATRPKALKPPCD
1608	D3Z041	52	ATRPKALKPPCDLSM
1609	D3Z041	141	IGSGLIQKGFKPCSE
1610	D3Z041	217	LLEGVENKLTPCCKI
1611	D3Z041	387	GQANTSLKRWLLDFA
1612	D3Z041	396	WLLDFASKRKEAELR
1613	D3Z041	420	WDKLIFHKIQSSLGG
1614	D3Z041	504	EMNYLASKGEGEVCV
1615	D3Z041	558	LKIIDRKKHIFKLAQ
1616	D3Z041	562	DRKKHIFKLAQGEYI
1617	D3Z041	573	GEYIAPEKIENIYLR
1618	D3Z041	629	FEELCRNKDINKAIL
1619	D3Z041	633	CRNKDINKAILDDLL
1620	D3Z041	655	LKPFQVQKGIAPHPE
1621	D3Z041	678	LTPTLKAKRPELRNY
1622	P47199	216	IKMSVGDKDKGVDVI
1623	P47199	218	MSVGDKDKGVDVIE
1624	P47199	326	HGSKGTGKMILLXX
1625	Q8C4M7	19	NPQAKHSKNTLRSTY
1626	Q8C4M7	117	ASGNESIKVSTKKPR
1627	Q8C4M7	121	ESIKVSTKKPRRLE
1628	Q8C4M7	126	STKKPRRKLPIISGE
1629	Q8C4M7	199	PATQSQLKTQKKVRP
1630	Q8C4M7	202	QSQLKTQKKVRPSPG
1631	Q8C4M7	212	RPSFGRKRPRRGHT
1632	Q8C4M7	235	HIWCLEGKRQSDITE
1633	Q8C4M7	272	SCNQAINKFYFKMKG
1634	Q8C4M7	278	NKFYFKMKGELIRML
1635	Q8C4M7	300	ALKMKNTKIIANMEK
1636	Q8C4M7	307	KIIANMEKKRQRLIE
1637	Q8C4M7	340	YDDLKERKSSLKSK
1638	Q8C4M7	344	KERKSSLKSKHFLS
1639	Q8C4M7	369	NVQEKGPKGTKYDS
1640	Q9QXD1	66	RDPVFNKHLHYFMTR
1641	Q9QXD1	137	GSDEQIAKWGQLGKN
1642	Q9QXD1	468	SPGSIPQKPLPQSV
1643	Q9CZS1	54	WHDVSKKTFPTVNP
1644	Q9CZS1	161	WADKWHGKTIPMDGE
1645	Q9CZS1	282	AAGESNLKRVTLLEL
1646	Q9CZS1	349	VEKAKQRKVGPNFEL
1647	Q9CZS1	381	GYIRLGQKEGAKLLC
1648	Q9DBL7	129	GSQYNPVKQQLERYA
1649	Q9DBL7	207	DRLHNAHKVLLSVAC
1650	Q9DBL7	234	DKDLLKSKLLPELLQ
1651	Q9DBL7	258	TEFLVDIKPSLTFEL
1652	Q9D0Q7	49	RPPTPEPKYKTEKEF
1653	Q9D0Q7	54	EPKYKTEKEFLEYAR
1654	Q9D0Q7	114	QRTERLRKNAASQLA
1655	Q9D0Q7	140	KTKDFPEKAKDIFIE
1656	Q9D0Q7	177	PDMWDLKYKTVRWG
1657	Q9D0Q7	179	MVWDLKYKTVRWGFV
1658	Q9D0Q7	273	VPAWAPPQPILKTL
1659	H7BWY3	271	RECHSNIKCCDLCMC
1660	H7BWY3	289	ATDCCQAKERYIEQF
1661	Q9R0H0	66	RYEVAVKKSATMVKK
1662	Q9R0H0	122	GTTAQQEKWMHPSQE
1663	Q9R0H0	241	EMDNGYLKMDNYRIP
1664	Q9R0H0	272	YVKPLSNKLTYGTMV
1665	Q9R0H0	437	QTARFLMKIYDQVQS
1666	Q9R0H0	510	QAQVSHRKSKEVAWN
1667	Q9R0H0	652	EVHESYYKHLKPLQS
1668	Q3ULD5	152	YYPVTVKKHVRAQEI
1669	Q3U367	87	ENAKAAFKLWSKKS
1670	Q3U367	125	VETINNGKSIFEARL
1671	Q3U367	190	PFQIACWKSAPALAC
1672	Q3U367	204	CGNAMIFKPSPFTPV

1673	Q3U367	251	CHHREVAKISFTGVS
1674	Q3U367	263	GSVPTGVKIMEMSAK
1675	Q3U367	298	CNMENAVKGALMANF
1676	P40936	19	YEKEFTPKDYLTYY
1677	P40936	128	DRSRWQEKEAKLRRT
1678	P40936	219	FSGVYLEKEVVEKAI
1679	P40936	235	DAGCQVLKCNCSLS
1680	P12787	58	RWVTYFNKPDIDAW
1681	F7D3P8	125	FSWADHLKAQEEAQ
1682	D3Z2Y8	27	CTRATRRKQSVLQL
1683	D3Z2Y8	172	SGLKDPEKGMWGLVN
1684	D3Z2Y8	213	WGTVRTTKSFLPLLR
1685	F6SAC3	19	CWSGTNLKRELFEA
1686	F6SAC3	67	QMLVELAKSRGVEAA
1687	F6SAC3	83	DNMFSGSKINYTEDR
1688	F6SAC3	171	STNTAKVKEFGIDPQ
1689	F6SAC3	317	QLIHQGTKMIPCDFL
1690	F6SAC3	414	LIAMYEHKIFVQGIM
1691	F6SAC3	467	NGLISFIKQWDXXX
1692	Q6PF96	64	CLDPAAFKELFPDWK
1693	Q6PF96	167	IQKDGAPKTTFERGL
1694	Q6PF96	197	HLAKQLYKKFDLRAS
1695	Q6PF96	198	LAKQLYKKFDLRASC
1696	Q6PF96	226	IIDEKKWKPGRVDHT
1697	Q6PF96	337	FMNVPKIKGHTHTAMK
1698	Q6PF96	379	TEYEDNLKQSWVWKE
1699	Q6PF96	385	LKQSWVKELHAVRN
1700	Q6PF96	436	GSDSQDLKPAKDCTP
1701	Q6PF96	448	CTPIEYPKPDGQISF
1702	Q6PF96	479	QPAHLTLKDDSI PVN
1703	Q6PF96	534	HCKTCDIKDPSQININ
1704	Q9DCW4	56	AVRLKEKKLVKEIIA
1705	P20108	52	WSASAQGKSAFSTSS
1706	P20108	249	KPSPTASKEYFEKVH
1707	Q8BGA8	88	NGSGTEVKWTFEELG
1708	Q8BGA8	358	PDVRDKWKSQTGLEL
1709	A2ARF6	55	TEVGDVAKQYLEKGL
1710	D3Z1U3	41	SALNPWNKEMGDHLV
1711	Q9EQ20	113	LRVQQLIKENLKEIA
1712	Q9EQ20	165	ETMPSITKMDLYSY
1713	Q9EQ20	287	VQANMGAKNHGVVMP
1714	Q9EQ20	389	LLDGRRIKVKGYENG
1715	Q9EQ20	408	PTIISNVKPSMTCYK
1716	Q9EQ20	500	GDTNFYKGQGIQFYT
1717	A2AG39	68	LRIMDPYKASYGVED
1718	B1AXW3	85	TSKLNWTKHHPEDVE
1719	B1AXW3	141	RYDSTHYKETWKALE
1720	D3Z5H8	68	QPVYDREKATIVPVL
1721	P14152	32	GNGSVFVKDQPIILV
1722	P14152	293	YSFPVVIKNKTWK FV
1723	F6RSH1	34	KCLIDLKWCSEKTE
1724	F6RSH1	39	LGKWCSEKTETGQEL
1725	F6RSH1	114	MECLIQNKHQKDMNE
1726	F6RSH1	117	LIQNKHQKDMNEKCA
1727	F6RSH1	122	HQKDMNEKCAIGVTH
1728	F6RSH1	143	KDFRFSYKFKMACK
1729	F6RSH1	154	ACKEDVLLKCPNIKK
1730	F6RSH1	216	PDLYEACKSDIKNYC
1731	F6RSH1	220	EACKSDIKNYCSTVQ
1732	F6RSH1	242	ECLKENKKQLSTRCH
1733	F6RSH1	251	LSTRCHQKVFKLQET
1734	F6RSH1	254	RCHQKVFKLQETEMM
1735	F6RSH1	278	RVCKQMIKRFCEPAD
1736	F6RSH1	305	NSELMDPKCKQMITK
1737	F6RSH1	312	KCKQMITKRQITQNT
1738	F6RSH1	347	HGILTKAKDDSELEG
1739	F6RSH1	521	VRLQPECKKRLNDR
1740	F6RSH1	556	QVMTSPSKNYILSVI
1741	F6RPJ9	24	RIEDQIVKSPEDKRE
1742	F6RPJ9	147	PLFDASCKDREVNVA
1743	F6RPJ9	174	WRLFQLEKATGNPKH
1744	F6RPJ9	180	EKATGNPKHPFSKFG
1745	F6RPJ9	185	NPKHFPFSKFGTGK
1746	F6RPJ9	191	SKFGTGKNTLETTRP
1747	F6RPJ9	368	HMFQYIQKLRAEGPQ
1748	F6RPJ9	393	NAVAFRFKDKERPRG

1749	F6RPJ9	489	QNADLNGKFKLPSTKN
1750	F6RPJ9	520	TPYPALIKDTAMSKL
1751	F6RPJ9	526	IKDTAMSKLWFKQDD
1752	F6RPJ9	600	YGMVLSVKGYNKQP
1753	F6RPJ9	616	LLKKITEKMATFEID
1754	F6RPJ9	794	CFNTLRTKEQLGYIV
1755	F6RPJ9	867	RRLDKPKKLSAECAK
1756	F6RPJ9	977	LPLFPLVKPHINFMA
1757	Q920E5	144	ASIYRLLKFYCREQP
1758	Q920E5	191	DLGRYTEKRYKSIVK
1759	Q920E5	326	EDSYNRLKSLIEQCS
1760	Q8K370	93	GPWIRFIKGEITTEH
1761	Q8K370	188	SCLEGICKPDPRIHQ
1762	Q8K370	239	DRPETAVKELEALLG
1763	Q8K370	567	AILQGVYKRSLTGQA
1764	P62900	31	EYTIINIKRIHGVGF
1765	P62900	40	IHGVGFKKRAPRALK
1766	P62900	51	RALKEIRKFAMKEMG
1767	P62900	115	YVPVTTFKNLQTVNV
1768	Q9DCN1	106	ANAKGGKKPWFLTNE
1769	Q9DCN1	132	LLDRRSDDRNNSDWL
1770	Q9DCN1	166	LVTLLGGNKESSQQPE
1771	Q9DCN1	282	LAWHSRYKFCPTCGS
1772	Q9DCN1	299	KIEEGGYKRVCVRET
1773	P52825	458	GGKEFLKKKKLSPPA
1774	P97450	79	DRELYKLLQMYGKGE
1775	P53395	46	SVGYPFLFKYSQPRHS
1776	P53395	68	QQQVVQFKLSDIGEG
1777	P53395	119	SRYDGVIKRLLYYNLD
1778	P53395	272	KTMSAALKIPHFGYC
1779	P53395	427	IGALGAIKALPRFDQ
1780	P53395	468	SRFNLWKSYLENPA
1781	P27773	82	KGLVPLAKVDCSTANT
1782	P27773	94	ANTTNCNKYGVSGYP
1783	P27773	147	RTEEEFKKFI SDKDA
1784	P27773	233	KMTSGKIKKFIQDSI
1785	P27773	252	PHMTEDNKDLIQGKD
1786	P27773	271	YYDVDYKNAKGSNY
1787	P27773	335	IRTAKGEKFMQEEF
1788	P27773	379	ESNEGPVKVVVAENF
1789	P27773	461	YFSPANKKLTPKKYE
1790	A2AIW9	157	YAVSADSKGLDTVVD
1791	A7M7Q8	7	XMRAGVLKEKPLWYD
1792	A7M7Q8	36	RPRLRYGKAKADIQD
1793	A7M7Q8	74	DLFNPNFKSTCQRFV
1794	G3UYJ7	21	RAVYIFAKKNGIPFQ
1795	G3UYJ7	22	AVYIFAKKNGIPFQL
1796	G3UYJ7	36	LRTIELLLKGGQYTDS
1797	G3UYJ7	78	LYLSRKYKAPDHWYP
1798	G3UYJ7	191	GMTLLMNKSTEPCAH
1799	Q9CPU0	40	QQTMLRIKDPKKSLLD
1800	Q9CPU0	43	MLRIKDPKKSLLDFYT
1801	Q9CPU0	78	YFLAYEDKNDIPKDK
1802	Q9CPU0	96	TAWTFSRKATLELTH
1803	Q9CPU0	179	IELLNPNKIATI IXX
1804	O35423	256	KYKVYSRKTTPVSYFY
1805	O35423	271	TDITYLAKLWGCEGE
1806	B2RS91	215	EKFPPVVRKSERTLEC
1807	B2RS91	337	HGKIDNNKTKDLYRD
1808	B2RS91	339	KIDNNKTKDLYRDLI
1809	B2RS91	373	MFFLCSFKLGFAEAF
1810	B2RS91	386	AFLEHLWKKLQDPNN
1811	B2RS91	443	TNQDSGKAFCDVAL
1812	B2RS91	569	PCVLKRSKKFIDPIY
1813	Q9Z2I8	47	NLQEQYQSKKLMSEHG
1814	Q9Z2I8	102	GVFNGLKGGVHLTK
1815	Q9Z2I8	201	IDIFEGIKDSQAQRM
1816	Q9Z2I8	280	DIFAMDDKSENEPIE
1817	Q9Z2I8	296	EAARYDLKYIGLDGN
1818	Q8JZN5	80	QFVGPLEKFFTEEVD
1819	Q8JZN5	245	SDGSKTDKMTAFIVE
1820	Q8JZN5	334	AEYACTRKQFNRLS
1821	Q8JZN5	349	EFGLIQEKFALMAQK
1822	Q8JZN5	457	RILTSRIKELKSGNV
1823	P11725	29	VRHFWCGKPVQSQVQ
1824	P11725	68	ADLKFRKQKGEYLP



1825	P11725	210	SIMMSAAKFGMHLQA
1826	P11725	331	FPEAENRKWTIMAVM
1827	D3YV43	7	XMAVQISKRRKFVAD
1828	D3YV43	75	ELTAVVQKRFGFPEG
1829	D3YV43	90	SVELYAEKVATRGLC
1830	E9QPQ8	50	TSRHYKTKPTRGIGR
1831	E9QPQ8	63	GRYRHLVKVQEPKKK
1832	Q9DC69	278	YLLFHLVKYIFGMTH
1833	Q9DC69	316	PFEPWTTKDKVERIH
1834	Q9DC69	370	SSEIEETKPAKTVNY
1835	Q91V64	52	GYDVLIQKFLSLYGD
1836	Q91V64	84	GQYVDLPKGFVAVSER
1837	Q91V64	130	ERFRPAIKYFGDIIS
1838	Q91V64	161	IITEQYPKGLGSTVQ
1839	Q91V64	276	VADKDHPKFKEIQNL
1840	P24549	131	GGCIKALKYCAGWAD
1841	P24549	329	RSVERAKKYVLGNPL
1842	P24549	348	NQGPQIDKEQHDKIL
1843	P24549	378	GGGRWGNKGFVQPT
1844	P24549	410	GPVQQIMFKSVDDV
1845	P24549	419	KSVDDVIKRRANNTY
1846	E9Q296	61	ALWSDTPKGPLSAYR
1847	E9Q296	126	ELNFLRCKRVFEYGF
1848	E9Q296	135	VFEYGFVKVEELLKN
1849	E9Q296	237	SPDFEAAKFWVGNLQ
1850	E9Q296	308	NGFAMFNKVRIPRQN
1851	E9Q296	527	AHFTSPLKTVDFLEA
1852	E9Q296	580	HRRYCQEKKSRSDF
1853	E9Q296	581	RRYCQEKKSRSDFE
1854	H3BJR0	80	VVVAHSVKGPDMYFX
1855	D3Z0F3	6	XXMGSYPKKPMSSYL
1856	D3Z0F3	7	XMGSYPKKPMSSYLR
1857	D3Z0F3	24	TEQLPKFKAKHPDAK
1858	D3Z0F3	52	ELPEAEKKVYEADFK
1859	D3Z0F3	96	RQRRLKKKALVKRRE
1860	D3Z0F3	109	RELILLGKPKRPRSA
1861	D3Z0F3	138	DSAQGKLLVNEAXX
1862	Q9D826	57	GQSRIIRKAYPEDFY
1863	Q9D826	69	DFYTMMMKECYQTTWA
1864	Q9D826	126	YLSVVDLQRFNPNR
1865	Q9D826	187	PGLPVTVKTTLSYQ
1866	Q9D826	287	PEERDCPKTFSDIQD
1867	Q9D826	336	FILDCHPKYDNIVIG
1868	G3UZY2	66	ILGPRLEKMVAKQHG
1869	G3UZY2	111	KNGDVVDKVFVGIKDE
1870	P67778	63	FLIPWVQKPIIFDCR
1871	P67778	186	FTEAVEAKQVAQQEA
1872	P67778	219	ISAEGDSKAAELIAN
1873	Q8CG76	113	CTVKIATKANPWEGK
1874	Q8CG76	123	PWEGKSLKPDIRSQ
1875	Q8CG76	250	GKYKYEDKDGKQPVG
1876	Q8CG76	253	KYEDKDGKQPVGRFF
1877	Q8CG76	274	TYRNRFWKEHHFEAI
1878	O35490	150	QQLEVFMMKNVDFLI
1879	O35490	400	QLRELFQKFKSAQ
1880	Q99LC3	48	LAAILGDKTTKKLHE
1881	Q99LC3	52	LGDKTTKKLHEYSRV
1882	Q99LC3	70	DGNICSGKNKLAKI
1883	Q99LC3	72	NICSGKNKLAKIAQ
1884	Q99LC3	84	IAQQLGMKHYPEAGI
1885	Q99LC3	181	YNQGYIRKQCVDHYN
1886	Q99LC3	191	VDHYNEIKRLTLPEY
1887	Q99LC3	242	QDIENAYKKTFLPKM
1888	Q99LC3	268	WEAEDPTKVVEDIEY
1889	Q99LC3	280	IEYLKYNKGPWLKQD
1890	Q8VCN5	140	FVDCSKTKLLEAAIT
1891	Q8VCN5	151	AAITPQTKLVWIEETP
1892	Q8VCN5	164	TPTNPTLKLADIGAC
1893	Q8VCN5	177	ACAQIVHKRGDIILV
1894	Q8VCN5	303	HPQHELAKRQCSCGCP
1895	Q8VCN5	318	GMVSFYIKGALQHAK
1896	E9QN44	130	TCNVDWLKTVRGCSK
1897	E9QN44	313	IVCPPRPKAVNVAFL
1898	E9QN44	414	TMATDQRKVQMLWAL
1899	E9QN44	538	VTLMQQLKAMLDPEG
1900	P24369	37	PSVANDKKKGPKVTV

1901	P24369	92	GFGYKNSKFHRVIKD
1902	A2AEC1	17	GKLEKEGKPEDEVEP
1903	A2AEC1	38	DEDEKPKKAKPAPR
1904	Q9DBK0	115	AFSTFVAKPVGKEKV
1905	Q9DBK0	146	NLASERRKVRLOHEN
1906	Q9DBK0	309	PRIQPISKDDFRRYQ
1907	Q9DBK0	335	RKYVISHKKEVPLSA
1908	Q9DBK0	336	KYVISHKKEVPLSAQ
1909	Q9DBK0	379	TTTLEKIKIYTLLEEQ
1910	Q9DBK0	448	CSVVNGDKPKDFVVL
1911	Q9DBK0	463	VSRRKPLKDNNTYTV
1912	Q9DB20	100	NDITKREKFSPLTAN
1913	Q9DB20	207	SKIQKLSKAMREMLX
1914	Q9CR24	61	SRLVGRHKGEVSFPG
1915	G3X8P6	45	NRVMIFSKSYCPHST
1916	G3X8P6	200	GHALQDAKKYGWEYN
1917	G3X8P6	201	HALQDAKKYGWEYNQ
1918	G3X8P6	272	ETFYTASKFVIATGE
1919	G3X8P6	290	YLGIQGDKEYCITSD
1920	G3X8P6	362	YLEQQGVKFQRKFTP
1921	G3X8P6	366	QGVKFQRKFTPILVQ
1922	G3X8P6	415	GRDSTRKIGLEKIG
1923	G3X8P6	467	PVAIQAGKLLARRLF
1924	G3X8P6	511	EKAIEMYKKENLEVY
1925	G3X8P6	540	DNNTCYAKIICNKFD
1926	G3X8P6	545	YAKIICNKFDNERVV
1927	Q60759	170	KYLPGLAKGELLGCF
1928	D3YTT4	175	ASLLTSAKQQGDHYI
1929	D3YTT4	220	ISCI VVEKGT PGLSF
1930	D3YTT4	378	HGGYGYLKDYAVQQY
1931	Q9DCS3	290	VTYGGMAKQPVTASV
1932	Q9DCS3	317	FWLSQWKKNHSPDEF
1933	Q9Z2Z6	244	FQTAPPGKYPNGFRD
1934	Q9Z2Z6	292	LGFEIAMKFLNWIAP
1935	Q9DB77	377	DVQAAKNKLGAGYLM
1936	Q9WUM5	105	LPVFNTVKEAKEKTG
1937	Q9WUM5	193	MPGHIHKKGRIGIVS
1938	Q9WUM5	280	HNSGPKAKPVVSFIA
1939	O88986	42	IRGAGTWSERVITS
1940	O88986	323	IIQSMAAKTRRFRSK
1941	G3UWG1	14	GKKIFVQKYAQCHTV
1942	G3UWG1	26	HTVEKGGKHKGTGNL
1943	G3UWG1	28	VEKGGKHKGTGNLHG
1944	G3UWG1	54	FSYTDANKNKGITWG
1945	G3UWG1	80	KKYIPGTKMIFAGLK
1946	Q8BMF4	117	WEKKEGEKISEGDLI
1947	Q8BMF4	239	GTVQRWEKKVGEKLS
1948	Q8BMF4	347	SAAPAGPKGRVVFVSP
1949	Q9Z2I9	129	VFSPEEAKAVSSQMI
1950	Q9Z2I9	148	ITKQTGEKGRICNQV
1951	Q9Z2I9	225	QAVTLAQKMGFSPNI
1952	Q9Z2I9	242	SAAENMIKLYNLFLK
1953	Q9Z2I9	249	KLYNLFLKYDATMVE
1954	Q9Z2I9	287	NSAYRQKKIFDLQDW
1955	Q9Z2I9	396	QGIVMAVKDLEIRIP
1956	Q9Z2I9	458	KEAHVDVKFQLPIXX
1957	P16332	17	LLSPHYLKQLNIPSA
1958	P16332	221	TIQNDILKEFMVRNT
1959	P16332	333	LWAHLIEKMFQPKNS
1960	P16332	398	ALGLPTVKSARIARN
1961	P16332	489	EVIVGVNKYQLEKED
1962	P16332	739	QVLDDIEKCLAEKQQ
1963	Q9CQZ5	72	KVREMFMKNAHVTD
1964	Q9CQZ5	101	QETIKVWKQRTHVMR
1965	Q8C5H8	108	ERHHIHTKNVEHIID
1966	Q8C5H8	365	LNKDLVEKVTNEYNE
1967	A2AFQ2	99	AGIAVAIKTYHQKKN
1968	A2AFQ2	104	AIKTYHQKKNKIHTL
1969	Q80X68	161	MLDNFPTKLHPMSQL
1970	D3YUM1	19	VPVRTAPKKT SFGSL
1971	D3YUM1	62	KTKEILLKGPDWILG
1972	D3YUM1	217	KQGKPRLKPPFPADV
1973	D3YUM1	265	RERNSGTKLFNISGH
1974	P62702	16	LKRVAAPKHWMLDKL
1975	P62702	22	PKHWMLDKLTGVFAP
1976	P62702	53	IFLRNRLKYALTGDE

1977	P62702	63	LTGDEVKKICMQRFI
1978	P62702	71	ICMQRFIKIDGKVRT
1979	D3Z6F9	11	KCLQHFLKATISHPY
1980	D3Z6F9	138	KDSGWHPKREADQVA
1981	O88696	108	FLQSESNKKPIHMYI
1982	O88696	207	QLYNIYAKHTKQSLQ
1983	G3UX44	73	EDGAPRGKHAAFQAD
1984	Q9CXJ1	511	MMVSLGPKVEVRERIQ
1985	E9PVP0	166	LHDIEYRKKWDSNVI
1986	E9PVP0	196	YYSWRCPKPLKNRDV
1987	E9PVP0	199	WRCPKPLKNRDVITL
1988	E9PVP0	224	IIMNYSVKHPKYPPR
1989	E9PVP0	232	HPKYPPRKDLVRAVS
1990	E9PVP0	294	KMYKACIKYPEWKQK
1991	E9PVP0	299	CIKYPEWKQKHQPHF
1992	E9PVP0	301	KYPEWKQKHQPHFKP
1993	E9PVP0	307	QKHQPHFKPWLHPEQ
1994	Q9CPV4	14	LHFVFKVKNRFQTVH
1995	Q9CPV4	42	EEFEEGCKAACNGPY
1996	Q9CPV4	52	CNGPYDGKWSKTMVG
1997	Q9CPV4	109	KLEWPLSKVAEGIFE
1998	Q9CPV4	124	TEAPGGYKFYLQDRS
1999	Q9CPV4	170	IYEQDEEKQRALLGY
2000	Q9CPV4	183	GYADNQCKLELQGIQ
2001	Q9CPV4	219	PDLEDLMKRESHSIL
2002	Q9CPV4	293	EWFATRNPCKASGXX
2003	D3Z0Y2	6	XXMKWHLKMRWGILF
2004	D3Z0Y2	39	KLAPFEFAKRNVLIA
2005	D3Z0Y2	60	EDHLAWSKDINAYNG
2006	D3Z0Y2	159	ATPVDWKKGESVMV
2007	Q9D172	169	KEFHGAKKPIGLCCI
2008	Q9D172	233	AHVDQKNKVVTTPAF
2009	Q6P8M1	86	TRCDEFEEKGSPDQYL
2010	Q6P8M1	236	KSTHAGSKYINTSFP
2011	Q6P8M1	245	INTSFPTKKKWENGH
2012	Q6P8M1	247	TSFPTKKKWENGHCL
2013	Q6P8M1	255	WENGHCLKDRNEPCH
2014	G5E902	141	FGFYEVFKALYSNIL
2015	G5E902	230	QIPYTMKMFACFERT
2016	G5E902	248	LYKFVVPKPRSECTK
2017	G5E902	333	WFYDSVKVYFRLPR
2018	D3Z111	167	NPANVTFKIYEGMMH
2019	A2ATU0	301	VNPVAVGKTRGRQQS
2020	A2ATU0	422	EYQRQFRKDVIDLL
2021	A2ATU0	565	QSRMEKVKNGSGLDW
2022	A2ATU0	768	PLIVASPKMLLRYP
2023	A2ATU0	855	QQEMSKYKHVRDVIW
2024	A2ATU0	917	QHEDILSKTFTQXXX
2025	G5E823	51	QLKSHQEKPNFVIK
2026	G5E823	75	QQMVVREKILDKIS
2027	G5E823	106	LKEMLTEKYEDNFGL
2028	G5E823	145	YLAMNKLKMKRYQV
2029	G5E823	154	MKRYQVGKVWRRESP
2030	G5E823	210	QLGDFLIKVNDRRVV
2031	G5E823	356	ELWDAGIKAEMLYKN
2032	G5E823	396	ERNEGVIKLRVASR
2033	D3Z1F5	202	QQIQTLEKLGFPMYA
2034	Q2TPA8	42	ANIVIAAKTTQKHPK
2035	Q2TPA8	91	AVEKAVEKFGGIDIL
2036	Q2TPA8	220	GVENQCRKVDIADA
2037	Q2TPA8	233	DAAYSIFKRPKSFTG
2038	Q2TPA8	236	YSIFKRPKSFTGNFI
2039	Q2TPA8	450	MATDDFVKMFSGKLL
2040	Q2TPA8	481	ALAIKLEKLMTQMNS
2041	Q64374	97	LAMVDEDKNNRFND
2042	Q64374	145	FPDHSVKKYFDQVDI
2043	Q64374	163	LDWSLDHKIFYYIDS
2044	Q64374	213	MCIDAEGKLWVACYN
2045	O88737	80	VPRRLDPKEPLGSQR
2046	O88737	193	TCTQCHNKVCNQC GF
2047	O88737	210	NPHLTQVKEWLCCLNC
2048	O88737	234	MTTAPRSKSSQQQLHS
2049	O88737	391	IVFSDASKEAGPRPP
2050	O88737	411	PGPTPGAktePGARM
2051	O88737	488	YNTCTACKLQVCNLC
2052	O88737	517	LCLNCQTKRLLEGSL

2053	O88737	553	AAGAAPLKQKGPQGL
2054	O88737	647	TVPPGTPKAKSGVKR
2055	O88737	774	SSAVEDQKRRPHSLS
2056	O88737	904	PESSEQEPKRRLPHNA
2057	O88737	1034	EEAKQQRKARHRSHG
2058	O88737	1359	RVTQHFAKEPQDPLK
2059	O88737	1500	SPTFSPGKLGPRATA
2060	O88737	1751	SVLMAQQKQPVVYGD
2061	O88737	1911	ACCDMVYKFPFGSSC
2062	O88737	2563	AGRSGIKKRHSMPRL
2063	O88737	2706	ITAATDPKVEIVRYI
2064	O88737	3202	SGSYEQGKAPEHPRG
2065	O88737	3365	APAAISSKRSKHRKQ
2066	O88737	3371	SKRSKHRKQGMEQKI
2067	O88737	3563	GPRAHAYKREEGYML
2068	O88737	3651	PGRHTSAKEHRHSD
2069	O88737	3732	HHASESKKGSRQAHT
2070	O88737	3747	GPSALQPKADTQAQP
2071	O88737	3936	EAVSAFGKKFSSFVX
2072	Q9CQB4	29	YNAAGFNKLGMRDD
2073	O70250	129	PPPPMDEKHNYTYSI
2074	O70250	225	YELDQNLKPTKPMRF
2075	O70250	228	DQNLKPTKPMRFLGD
2076	G5E897	68	PPGQTQFKVVVKSLS
2077	G5E897	86	LVRIVVPKPLDRNDG
2078	G5E897	176	INLQQMLKEVPTRFG
2079	G5E897	362	MGFFDFFKYKYQVNV
2080	G5E897	407	YVALKPWKHYVPIKR
2081	G5E897	413	WKHYVPIKRNLDLL
2082	Q8K1R3	246	QDFCHAIKVGKTYTQ
2083	Q8K1R3	345	ESFNIVAKEVFRSII
2084	Q8K1R3	419	ITAINGVKDKNFMLH
2085	Q8K1R3	421	AINGVKDKNFMLHYE
2086	Q8K1R3	562	TALQADIKLPGVPIK
2087	Q8K1R3	582	IQQASVAKKEILQIM
2088	Q8K1R3	591	EILQIMNKTIKPRRA
2089	Q8K1R3	630	PGGYHLKKLQAETGV
2090	E9Q5A0	148	ALKPCIGKACQNFSS
2091	E9Q5A0	271	SGNFYRNKLYLAFLL
2092	E9Q5A0	334	GIPPPYDKKKRMVVP
2093	Q9D0S9	139	RLVVNDGKMGASQSVY
2094	Q9CQZ6	101	LDSQNGDKKHHXXXX
2095	E9Q5L3	27	PTCLSPWKIPPRVLK
2096	E9Q5L3	34	KIPPRVLKSSQPEAL
2097	E9Q5L3	317	DYTIPIYIKERMQFGK
2098	E9Q5L3	324	KERMQFGKRIFDFQG
2099	E9Q5L3	384	VAGLTTSKCIWMMGG
2100	E9Q5L3	441	LYCYLKGKSIILISTE
2101	Q9JHW2	109	PDGSLLVKHKRIHLF
2102	Q9JHW2	147	TFDTPYCKVGLGICY
2103	Q9JHW2	234	PWGQVLTAKAGTEETI
2104	E9Q1I5	72	IQMTHLNKTKTALGF
2105	E9Q1I5	262	PVLVNNWKKCECDKSR
2106	E9Q1I5	287	PKDPSKPKGSSQLDV
2107	E9Q1I5	487	LNAVMAKTKTYQVAH
2108	E9Q1I5	489	AVMAKTKTYQVAHM
2109	E9Q1I5	517	LNGIKVLKLYAWELA
2110	A2AQY9	92	GQEMDPLKNVLTVVG
2111	A2AQY9	370	ATLQAMDKRLCSWKG
2112	E9QN99	12	DQHEGTIKVQGQNLF
2113	E9QN99	141	VAPICTDKINAVDYA
2114	G3UYY2	117	EVKGTWEKPGGASPM
2115	G3UYY2	217	SNIQRFYKNEEGTWS
2116	G3UYY2	234	KVIQVPSKKVKGWML
2117	G3UYY2	235	VIQVPSKKVKGWMLP
2118	G3UYY2	237	QVPSKKVKGWMLPEM
2119	Q9D0B5	40	QAF CSTPKGVTYREL
2120	Q9D0B5	103	KEKYCQVKPSKSDRL
2121	Q9D0B5	106	YCQVKPSKSDRLVFS
2122	Q9D0B5	143	QHYAGGWKEWVTYEI
2123	Q922B1	106	FLKGLSDKQREEHYF
2124	Q922B1	119	YFCKDFIKLKKIPTW
2125	Q922B1	122	KDFIKLKKIPTWKET
2126	Q922B1	143	KVEDPKYKKDKQLNE
2127	Q922B1	295	WLEQHKDKVDRLIIC
2128	Q91ZJ5	52	SHEFEHTKKDLGFR

2129	Q91ZJ5	53	HEFEHTKKDLDGFRK
2130	Q91ZJ5	60	KDLDGFRKLFHRFLQ
2131	Q91ZJ5	124	LGTSMGCKGPKSLIG
2132	Q91ZJ5	184	KYNHCRVKIYTFNQS
2133	Q91ZJ5	244	DTFIEEGKEYIFVSN
2134	Q91ZJ5	274	LMNPPNGKRCEFVME
2135	Q91ZJ5	340	WISLGAVKRLQEQNA
2136	Q91ZJ5	377	TAVGAAIKSFENSLG
2137	Q91ZJ5	473	FGKNVSLKGTVILIA
2138	Q91ZJ5	497	PGAVLENKIVSGNLR
2139	Q8BH95	115	FQDCYSSKFLSHWDH
2140	Q9WVD5	34	GQPFDTMKVKMQTFP
2141	Q9WVD5	292	LAYEYSRKLMMNQLE
2142	Q8BIJ6	479	PVLIRASKQWFVNIT
2143	Q8BIJ6	683	DTIISGGKDHKSKEPP
2144	Q8BIJ6	687	SGGKDHKSKEPPYGAD
2145	Q8BIJ6	812	RLYCENEKDPKRRSC
2146	Q8BIJ6	986	VVPTAREKCPRCWKH
2147	Q8BIJ6	992	EKCPRCWKHTSETAD
2148	Q3U422	44	TESEKSAKEKELHPK
2149	Q3U422	229	PEKTLQPKKKWTKPV
2150	Q3U422	230	EKTLQPKKKWTKPVE
2151	Q3U422	326	PPAVAPRKGARYPEP
2152	Q3U422	453	DLNLDLSKFRLPQPS
2153	P05201	56	WVLPVVRKVEQKIAN
2154	P05201	154	VFSAAGFKDIRPYCY
2155	P05201	166	YCYWDAEKRGDLQ
2156	F8WJI3	118	VVNDRSWKVFNERCR
2157	F8WJI3	129	ERCRVHFKPPKNEXX
2158	Q3UXD9	100	STLAKYGKINFLVNN
2159	Q3UXD9	140	TGTFYMCKEVYNSWM
2160	Q3UXD9	231	AFDSIPAKRLGVPEE
2161	P17751	20	TMAEGGEKEEFCTA
2162	P17751	64	FFVGGNWKMNRRKCC
2163	D3YTK6	132	KPFFMLAKELYPGHY
2164	Q8R0F8	21	SRFWEWGKNIVCVGR
2165	Q8R0F8	50	SEPVLFLLKPSTAYAP
2166	Q8R0F8	140	PVSAFVPKEKIPDPH
2167	Q8R0F8	203	PKGVGPIKENDEIEA
2168	Q8R0F8	221	GVVSMRFKVKRSEYX
2169	P31230	294	KGAPFEVKGKGVCR
2170	P31230	296	APFEVKGKGVCRQT
2171	Q9EP89	153	VENRVPCPKPETVMRI
2172	Q9EP89	223	SGIRHYEKDIKKVKE
2173	Q9EP89	346	VERASGYKYLDYMQK
2174	Q9EP89	384	RFYVYNKKKRLVNTP
2175	Q9EP89	460	NTEMSWDKEGKYAMA
2176	Q9EP89	473	MAWGVVEKKQTYGSC
2177	H7BX88	71	KGLERRAKKMNWLS
2178	H7BX88	247	KAYNNLIKDKVNRES
2179	H7BX88	342	DHVMEYTKKPELVRS
2180	Q8R3F5	252	FLRRNSAKYHFRRTK
2181	P50136	61	ASAEFVDKLEFIQPN
2182	P50136	101	LPQEEVLKFYRSMTL
2183	P50136	184	GNVNDPGKGRQMPVH
2184	Q9CRB8	61	ADAIDKGGKAGEVPS
2185	F6VMP2	33	GDCQRHFKFLTNPIC
2186	G3X9L6	78	EKKYNALKIPVPEDK
2187	G3X9L6	147	FPETKLDKKYPYWP
2188	Q8JZQ2	71	RFCSRPPKGFKEYFP
2189	Q8JZQ2	75	RPPKGFKEYFPNGKN
2190	Q8JZQ2	121	GGKRRGKKEDSHWWS
2191	Q8JZQ2	132	HWWSRFQKGFDPWDD
2192	Q8JZQ2	172	SGREITWKDFVNNYL
2193	Q8JZQ2	668	VQFGMNEKVGQISFD
2194	Q8JZQ2	718	TVALLTEKKADVEKV
2195	D3YYK0	97	GAFIAAMKAVEIPEK
2196	D3YYK0	112	VPHSQARKLADKQLS
2197	Q8R123	29	IVGDEILKGHTQDTN
2198	Q9WU19	309	KALALGAKAVFVGRP
2199	E9PXB0	88	YIGGLVPKLSDPKS
2200	E9PXB0	300	NVIVGTVMKMSWSHAF
2201	E9PXB0	522	ERNQKMKKVAKILS
2202	E9PXB0	523	RNDQKMKKVAKILSQ
2203	E9PXB0	545	INDWIKLKSDMYEG
2204	P10126	30	TTGHLIYKCGGIDKR

2205	P10126	55	EMGKGSFKYAWVLDK
2206	P10126	79	TIDISLWKFETSKYY
2207	P10126	100	PGHRDFIKNMITGTS
2208	P10126	172	KRYEEIVKEVSTYIK
2209	P10126	212	SANMPWFKGWKVTBK
2210	P10126	386	IDRRSGKKLEDPKPF
2211	P10126	450	KKAAGAGKVTKSAQK
2212	Q99N87	94	RPYSFFTKLTAEELW
2213	Q99N87	114	ETGAGARKGRGKRTK
2214	Q99N87	164	QNIGQRSKEEQQKVE
2215	Q99N87	184	QREEWDRKRKIKVKR
2216	Q99N87	236	NVFNMTAKEGRKKS
2217	Q99N87	301	HDISLRFKRTQIRMK
2218	Q99N87	308	KRTQIRMKKQPRGYG
2219	Q99N87	420	VKAMQGLKRSVWFNL
2220	Q99N87	428	RSVWFNLKRPATXXX
2221	Q8CAK1	149	SMYKIRRKVTVEPSP
2222	Q3UNZ8	78	CRGQYQEKPLPFTP
2223	Q9JLZ3	186	KMGLVETKLAIIPGG
2224	Q9JLZ3	306	GLLAFKEKRPPRYKG
2225	Q9WVA2	50	CWEKCMDKPGPKLDS
2226	Q8K4Z3	239	LISLTAPKKSATHFT
2227	P55050	8	MAFDGTWKVDRNENY
2228	P55050	21	NYEKFMEKMGINVMK
2229	P55050	28	KMGINVMKRKLGADH
2230	P55050	30	GINVMKRKLGADHNL
2231	P55050	38	LGADHNLKLTITQDG
2232	P55050	93	EGNKLIGKFTRVDNG
2233	Q5RKZ7	79	LRISLITEKCNLRCQY
2234	Q5RKZ7	98	EGVPLTPKADLLTTE
2235	Q5RKZ7	255	YMPFDGNKWNFKKMV
2236	Q5RKZ7	259	DGNKWNFKKMVSYPE
2237	Q5RKZ7	280	QRWPGLEKLPEDSS
2238	Q5RKZ7	376	MFNIAQMKNRPMILI
2239	Q5RKZ7	431	WKRHCIPKALPLSQQ
2240	Q5RKZ7	609	LTVYDMCKAVSRDIV
2241	Q9CQN1	38	KPVLHLQKTTVQFRG
2242	Q9CQN1	306	AIWMMDPKDISEFQH
2243	Q9CQN1	520	SPYEEAMKQKHTEVL
2244	Q9CQN1	548	LREFDKKKLISVETD
2245	Q9CQN1	562	DIVVDHYKEEFEDT
2246	Q9CQN1	579	ADERLSEKETEDLMA
2247	Q9CQN1	655	PRHTLIKKLCQLRES
2248	E0CXM2	7	XMASESGKLWGGRFV
2249	E0CXM2	23	AVDPIMEKFNSSISY
2250	E0CXM2	57	EKAGLLTKAEMQQIL
2251	E0CXM2	106	LIGEAGKLHTGRSR
2252	E0CXM2	335	QIHRENMQALSPDM
2253	E0CXM2	375	AVFMAETKGVALLNL
2254	E0CXM2	419	SALGGTAKSSVEWQI
2255	H3BJZ9	165	RFGISRQKQDDFALA
2256	Q55125	80	KIQFHNVKPECLDAY
2257	P61922	16	RLACSSQKNLHLFIP
2258	P61922	56	EVPGPRSKELMKQLN
2259	P61922	191	RGQRGFSKEELETCTM
2260	P61922	231	CLATTHSKAIHKIDI
2261	P61922	337	TGGGCTGKFWAHEHW
2262	P61922	358	DVMTFSSKMMTGGFF
2263	P61922	400	AEVINIIKREDLLNN
2264	P61922	470	VLGGCGDKSIRFRPT
2265	O08795	35	HHFYEEKPFTCLDG
2266	O08795	83	HCTNTGYKPLYILSS
2267	O08795	191	ERPEKEAKDQHRKLW
2268	O08795	196	EAKDQHRKLWEEQQA
2269	D3YWR7	72	HLATKHLKEGGLTTL
2270	A2ANY6	100	RLSVSMSKLGSHPD
2271	A2ANY6	356	TKPPQLLKVQLGDQT
2272	A2ANY6	394	TLTQAATKGYWILLE
2273	A2ANY6	466	SHATMLDKYWTKIHL
2274	A2ANY6	478	IHLHNLNKKDLNEVL
2275	A2ANY6	510	YIELTGEKHCCPSVA
2276	A2ANY6	520	CPSVAYDKAPQEVSE
2277	A2ANY6	604	RLNISKKKAIFYCKL
2278	A2ANY6	644	VVRIQKEKCTFAATR
2279	A2ANY6	756	IQTCYRQKRWHDLLK
2280	A2ANY6	887	NPATDVGKRNLPPI

2281	A2ANY6	1244	SYCSKLVKVMLDLQS
2282	A2ANY6	1325	VLEKHFKKKLCPSL
2283	A2ANY6	1326	LEKHFKKKLCPSLF
2284	A2ANY6	1392	VGDTGCGKTTVCQMF
2285	A2ANY6	1545	IWCPQSTKREDLIQI
2286	A2ANY6	1592	TRQEFGRKCVSIRD
2287	A2ANY6	1930	DHEVTVEKKWQKGG
2288	A2ANY6	1931	HEVTVEKKWQKGGP
2289	A2ANY6	2049	QSLLEPIMKCVQMNWM
2290	A2ANY6	2150	SHFLLTYKPKCLGED
2291	A2ANY6	2182	LMQRLNKNKINSYKA
2292	A2ANY6	2204	DFRSFGVKLLQSASG
2293	A2ANY6	2380	QRGLSLHKAFFEACW
2294	A2ANY6	2532	QDWMLRVKWLCHLAK
2295	A2ANY6	2666	RMSFEFHKDPENYHS
2296	A2ANY6	2748	LHWHWVSKHLIYQIP
2297	A2ANY6	3286	SHSHPHIKLLPQRIS
2298	A2ANY6	3478	AARKEEAKSQAYPT
2299	A2ANY6	3574	KLFPLEHKDFADILM
2300	A2ANY6	3641	AVPPHEAKHYLSLFL
2301	A2ANY6	3827	RHTEKSTKHWFSLYQ
2302	A2ANY6	3851	TEEQEDDKQMTLMLL
2303	A2ANY6	3951	DVSFWSIKQSVEKTH
2304	A2ANY6	3956	SIKQSVEKTHRTLFK
2305	A2ANY6	4225	GFSAHLMKLLIRQRH
2306	A2ANY6	4471	IDDFTAWKARLFVAH
2307	A2ANY6	4717	LDSKPDTKGEDNAIE
2308	A2ANY6	4746	EQEEDDEKSDSEGD
2309	A2ANY6	4838	DVEQQQEKEINEQIDE
2310	A2ANY6	4981	KGEKEEDKATTDGGG
2311	A2ANY6	5089	SSQOHTNKNTQSFKR
2312	A2ANY6	5228	DMQTLKTKEDQDPRT
2313	A2ANY6	5370	RIWLRRTKPSKRQYQ
2314	A2ANY6	5394	SMVDNHTKQLAFESL
2315	A2ANY6	5426	CSFGESVKLLHPFHE
2316	A2ANY6	5453	LCTFQQRKTKIAQFL
2317	H3BJG8	105	ALASQQNKRPEQRML
2318	Q9CQQ7	188	TYRERLHKAYKEVKN
2319	Q9CQQ7	210	VQNMRRKKEEEMID
2320	Q9CXD6	175	IIVSALVKITETNMN
2321	Q9CXD6	253	TKVRTDTKLNFNLEK
2322	Q9CXD6	273	LYSLNEKKMLELRTE
2323	P62852	29	PVNKSGGKAKKKKWS
2324	P62852	57	FDKATYDKLCKEVPN
2325	Q14DH7	519	WKNQEAFFKHLIFEKF
2326	Q14DH7	635	FRNAVFKQLPKTRS
2327	E9PVS5	132	VAQSQKTKGDTPASA
2328	Q8BFP9	60	SPSPLSMKQFLDFGS
2329	Q8BFP9	92	URLANIMKEISLLPD
2330	Q8BFP9	125	LQELLDKFKDKSAEDA
2331	Q8BFP9	280	HMVFEFLFKNAMRATM
2332	Q8BFP9	407	VYNKAAWKHYKANHE
2333	Q3UEJ6	204	EGKELRLKQYFVVA
2334	Q3UEJ6	478	SMFDVHVKRIHEYKR
2335	Q3UEJ6	549	NDPMVGSKLVIFLE
2336	Q3UEJ6	669	PNQPDLFKDIINMLF
2337	Q3UEJ6	728	FSSDRTIKEYAKDIW
2338	Q3UEJ6	732	RTIKEYAKDIWNMEP
2339	Q9JK42	287	GEEDLSIKMSDRGGG
2340	Q9JK42	299	GGGVPLRKKIERLFSY
2341	P63017	248	FIAEFKRKHKKDISE
2342	P63017	415	GVMTVLIKRNTTIPT
2343	P63017	507	KITITNDKGRLSKED
2344	P63017	567	GKINDEDKQKILDKC
2345	P63017	569	INDEDKQKILDKCNE
2346	P62301	9	GRMHAPGKGLSQSAL
2347	A2AE89	52	QWLNEKFKLGLDFPN
2348	A2AE89	148	SCSLPQEKQKPEFLK
2349	A2AE89	150	SLPQEKQKPEFLKTI
2350	A2AE89	178	RPWFAGDKVTVYVDFL
2351	P28271	19	LDAAQPGKRFFNLNK
2352	P28271	57	CDEFVVKKNDIENIL
2353	P28271	72	NWNVMQHKNIEVVPFK
2354	P28271	113	KLGGNPEKINPVCFA
2355	P28271	158	KERFEFLKWSQAFC
2356	P28271	246	LPQVIGYKLMGKPHP

2357	P28271	364	QVVLDLKTVPCCS
2358	P28271	386	KVAVSEMKKDFESCL
2359	P28271	785	SSRDWAAKGPFLGI
2360	P28271	886	ILNYMIRKMAQXXX
2361	E9PWH2	66	KLILIQKKGEDSCR
2362	E9PWH2	93	SASTVGFKEHVPRQE
2363	E9PWH2	145	ALKFFTYKESGHREL
2364	E9PWH2	228	VLEEEAGKDPQCFVY
2365	E9PWH2	417	ILMMGAMKDLKQHAT
2366	E9PWH2	442	DASLSLMKMPVISFV
2367	E9PWH2	517	VSPHVFQKPVAVANL
2368	E9PWH2	677	QQPQSQTSPSEST
2369	E9PWH2	772	RGQNFAIKYLQPWR
2370	E9PWH2	878	IRTLPHIKYPPHPQC
2371	E9PWH2	917	RPADFAFKPGSQSTS
2372	E9PWH2	940	QSSAHQPKFQSKHFQ
2373	E9PWH2	944	HQPKFQSKHFQPQPF
2374	E9PWH2	1016	HPHPSHAKPSHQNPS
2375	E9PWH2	1136	PSQSTQCKAHKAHQ
2376	E9PWH2	1139	STQCKAHKAHQSQPK
2377	Q9D1I5	97	FVNLGNTKMELLLHL
2378	Q3UGA5	42	PAPWENQKGSWGCRC
2379	D3YVY3	87	EKRVEEFKLLQMWKS
2380	Q68FE8	21	GRQFFQPKDNLKMAE
2381	Q68FE8	188	NETSFLSKRPSGSDI
2382	Q68FE8	245	NCSSSQSKNGTTFPR
2383	Q68FE8	256	TFPRACPKCDIHFNL
2384	Q68FE8	268	FNLLDPLKNHMTYCC
2385	Q68FE8	318	VNDFYYGKHEGDVLE
2386	Q68FE8	403	HEFSTICKICELSF
2387	Q68FE8	424	QHMKDNHKGEMPHYI
2388	Q68FE8	457	RTSHENTKNLLCPFC
2389	Q68FE8	469	PFCLKVIKIATPYMH
2390	Q68FE8	480	PYMHYMKHQKKGIIH
2391	Q68FE8	483	HHYMKHQKKGIIHRT
2392	Q68FE8	484	HMYMKHQKKGIIHRTK
2393	Q68FE8	502	QFLTCKEKMDHKTQH
2394	Q68FE8	598	KSNGSKSKNKSKVSN
2395	Q68FE8	609	KVSNMQKKQSTLSS
2396	Q68FE8	621	SSSNKSKVNTALRN
2397	Q68FE8	691	SKRYCIFKKHSENLR
2398	Q68FE8	692	KRYCIFKKHSENLRG
2399	Q68FE8	752	SERLSEIKTEAPTQG
2400	Q68FE8	813	AAATHCEKDVTVSDT
2401	Q68FE8	857	ACQEMELKVDQSS
2402	P97364	277	DNPEKWNKIKMVVSR
2403	P97364	397	CSEIKSSKYGEGHQA
2404	P97364	422	RTARIIDKPRVIEVL
2405	F8WGL3	73	DPYTTFFVKMLPDKDC
2406	F8WGL3	78	FVKMLPDKDCRYALY
2407	F8WGL3	126	SSKDAIKKLTGIKH
2408	D3YZ54	314	QLLEQFDKTPWQCPP
2409	D3YZ54	347	SKELASQKSLPMNYY
2410	D3YZ54	527	QALQDTSKPCLLNIM
2411	Q91XF0	17	VTFRRPAKWTGYLRH
2412	Q91XF0	39	MDLGPMRKSYPGRDRE
2413	Q91XF0	163	NYFHSRQKSSQIGAV
2414	Q91XF0	202	YQDQEVKPEYWGYY
2415	Q9CQA3	43	AAAPRIKKAFAIYRWD
2416	Q9CQA3	53	IYRWDPDKTGDKPRM
2417	Q9CQA3	80	MVLDALIKIKNEVDS
2418	Q9CQA3	153	SNFYAQYKSIIEPYLK
2419	Q9CQA3	160	KSIEPYLKKKDESQE
2420	Q9CQA3	169	KDESQEGKQQYLQSI
2421	Q9CQA3	257	NCTQTCPKGLNPGKA
2422	A2AKU9	36	KDITRRLKSIKNIQK
2423	A2AKU9	112	AIHSSVAKQMKNEVA
2424	A2AKU9	159	SFKDVGRKPPTFGDA
2425	A2AKU9	201	ISYKTEEKPIFSLNT
2426	Q5SX46	130	ADQRRGYKNVFNALV
2427	P22315	67	QPERRKPKTGILMLN
2428	P22315	130	IGGGSPIKMWTQSKQG
2429	P22315	213	YYNEVGQKPTMKWST
2430	P22315	217	VGQKPTMKWSTIDRW
2431	P22315	325	GLCERGRKNILLVPI
2432	Q8R086	98	VRSHNNPKTGWVVTL



2433	Q8R086	380	VVGARHVKWLGRVSV
2434	Q8R086	495	AWRIWQLKAQVPAEQ
2435	A2A974	92	PQWLWGSKVRIQVYD
2436	A2A974	113	ILGRSDPKAHGSYRF
2437	A2A974	170	SVHVMLDKWEQIVGQ
2438	A2A974	347	EHQQRCCRKEIQSLLG
2439	A2A974	366	ITWNDLDMKPYTTMC
2440	A2A974	375	PYTTMCIKEALRIYP
2441	P00375	47	TTSSVEGKQNLVIMG
2442	P00375	174	LSEVQEEKGIKYKFE
2443	Q8BWN8	283	GHDLRMRKVAFSGIL
2444	Q8BWN8	400	KAQIDAWKQILFFFG
2445	Q3TC72	233	IADPHNLKICCRVNG
2446	Q3TC72	254	NTNQMVFKTEYLIWA
2447	Q9D6Y7	212	YHQQYLSKNPDGYCG
2448	Q60597	21	LTASQTVKTFSQNKP
2449	Q60597	74	ENPKSVHKSWDIFFR
2450	Q60597	171	DIISSTDKLGfyGLH
2451	Q60597	271	FEEFLQRKWSSEKRF
2452	Q60597	348	DEGSGDMKYHLGMYH
2453	Q60597	539	KQKPVLQKYAELLVS
2454	Q60597	574	EEAFTRSKDEKILHI
2455	Q60597	582	DEKILHIKHWDSPW
2456	Q9DBP5	136	ERCLERKSSGRSDD
2457	Q9DBP5	171	DLYEEMGKVKKIDAS
2458	Q8CFA2	88	VSHMLQTKIFGCDRV
2459	Q8CFA2	159	DLALMQDKVKEFQNR
2460	Q8K215	44	RDAFRENKNVKDPVE
2461	Q8K215	80	GQLYSTDKLIIENQE
2462	E9PUQ1	67	FVGARRSKHTVVAYK
2463	E9PUQ1	153	KNDLFYKFFATGQWT
2464	E9PUQ1	183	GATVYSDKLWIFAGY
2465	E9PUQ1	247	FSGQSGAKITNNLFQ
2466	E9PUQ1	423	FQFSCYPKCTLHEDY
2467	E9PUQ1	601	HCLNFIVKESHFNQV
2468	E9PUQ1	786	KTQALDMKRHCLHLI
2469	E9PUQ1	799	IIVHQFTKVS KLPTL
2470	P58710	6	XXMVHGYKGVQFQNW
2471	P58710	15	VQFQNWAKTYGCSPE
2472	P58710	303	FSYECRFKQHVQDWA
2473	P58710	372	IMYRYPYKDVPRLDY
2474	P58710	405	KAHNCTRKDFEKMYP
2475	Q9D009	217	PSFLVAFKETFKCTL
2476	A2A7A7	8	MKHTGIWKMLLAAMC
2477	A2A7A7	84	QGQKLMKLVLESLSC
2478	A2A7A7	179	WLRVVFEEKPFGHDHL
2479	A2A7A7	365	PFILMSGKALDERVG
2480	A2A7A7	757	VLVMGRTKREITTLV
2481	Q9QZF2	42	VRQIYGAKGFSLSDV
2482	Q9QZF2	251	ECSRAIMKLVYCAHC
2483	Q9QZF2	276	DYCRNVLKGCLANQA
2484	Q9QZF2	302	SMVLIITDKFWGPGSA
2485	Q9QZF2	403	PGTLCSEKMAMSPAS
2486	Q9QZF2	460	RQQIMQLKIMTNR LR
2487	Q9QZF2	527	LSEQEGQKTSAAATCP
2488	D3YTQ5	57	GTGVGYCKRQVSTWT
2489	D3YTQ5	268	QEVLTRVKQFMKQHV
2490	G3UYR8	86	RVRQASLKDYEETIG
2491	G3UYR8	388	FEWNNEVKQGLSSSI
2492	P23589	157	LVHWNSTKYENYKKA
2493	Q91VA0	179	ASECPDLKTKLVVSD
2494	Q91VA0	534	KELQHHVKSVTAPYK
2495	Q91VA0	541	KSVTAPYKYPRKVEF
2496	Q9EQF5	106	IDFAIPQKGS SLIEA
2497	Q9EQF5	124	WRNWADPKVCCDYSL
2498	Q9EQF5	165	FKMFMAYKGLYMQD
2499	Q9EQF5	362	RMSVIWEKGVHSGKM
2500	Q9EQF5	477	EYIYKRIKQRDQTCT
2501	Q9EQF5	506	TLKARETKEDDTAGT
2502	O88844	164	TPKDGTKVTYMVHD
2503	O88844	233	IFQEIYDKKYKSQFE
2504	O88844	374	IEAGFMTKDLAACIK
2505	B1AQR8	94	KMQMPFQKGMPELFC
2506	B1AQR8	177	TPKGRKQKTQNFRA
2507	B1AQR8	315	ICEGHCFKVAVNGQH
2508	E0CXN5	49	EEDIGGRKLTETINT

2509	E0CXN5	273	KEMLNGQKLGQPQTA
2510	Q8QZR3	52	FVHVKDTKSGVHAFI
2511	Q8QZR3	162	ASMNDVSKLAATEEI
2512	Q8QZR3	271	DTSEVVYKTVANLSG
2513	Q8QZR3	294	LIHCLRAKSKQEILA
2514	Q91VM9	246	PDGKPENKFAFNGEF
2515	Q52KE7	124	FHRFFYSKSFVKHSF
2516	Q52KE7	209	VHVKHPHKIIVMYLQ
2517	Q52KE7	390	NGVRKDSKRSRTRS
2518	Q52KE7	455	NHGSPHLKAKHTRED
2519	Q52KE7	474	NRHGHRKKSRSRSQ
2520	Q52KE7	483	SRRSRSQSKTRDHSV
2521	Q52KE7	493	DHSDVTKKHRHERGH
2522	Q52KE7	516	RSFERSHKGKHHGGS
2523	Q52KE7	518	FERSHKGKHHGGSRS
2524	F6YS63	23	TIFGIYRKKSTDEPS
2525	Q8BWQ1	67	SIIDQSKRIPLHFE
2526	Q8BWQ1	139	YNQKFMDKLRDAQYD
2527	Q8BWQ1	252	TFCKTVGKADIWLIR
2528	Q8BWQ1	286	GLHCKPAKPLPKEME
2529	Q8BWQ1	342	VLWRYSGKKPATLGS
2530	Q8BWQ1	474	VMRHKGAKHLRVAAH
2531	O35857	68	SGLLDNIKQELAKNK
2532	O35857	73	NIKQELAKNKEMKES
2533	O35857	75	KQELAKNKEMKESIK
2534	O35857	119	VRTSEAIKKKLGELT
2535	O35857	415	VYDGDPAKQVQRMVY
2536	Q8VCT4	299	ELLETSKLNLFKLD
2537	Q8VCT4	521	HWPEYDQKEGYLKI
2538	Q8VCT4	540	AAQRLKDKKESVFAE
2539	P16015	171	DKIKTKGKEAPFTHF
2540	Q9D2G2	287	GFMSAFVKASAFALQ
2541	P70174	13	TSSASEDKMCEGNRT
2542	P70174	141	RYLRYRTKTRASATI
2543	P70174	212	LMLWFYVKIYKAVRR
2544	P70174	215	WFYVKIYKAVRRHCQ
2545	Q8BP40	211	KEKTRGRKKAASQP
2546	Q8BP40	373	VQLFYNGKEQVPRGC
2547	Q8BP40	383	VPRGCPDKLCLDKF
2548	Q8BP40	403	VYSVSPEKYRTLCSK
2549	Q3UEL5	279	VDKAALVKRHRQWL
2550	Q3UEL5	341	HREARKKKEVLSLGY
2551	Q3UEL5	454	RAGADVEKKGANKME
2552	Q3UEL5	455	AGADVEKKGANKMEF
2553	Q3UEL5	459	VEKKGANKMEFRYPS
2554	G3UYG6	305	SGAFLSLKKVQKEPI
2555	G3UYG6	530	LMHEAMQKWYKDPQ
2556	G3UYG6	534	AMQKWYKDPQGEIQ
2557	G3UYG6	580	QPLGDIKMWGRVPF
2558	G3UYG6	662	LQQFQALKMRMSDQN
2559	G3UYG6	1011	EEARQMOKQQQQQQQ
2560	G3UYG6	1094	GPRNSTNKNKNNASL
2561	G3UYG6	1162	PTFVSFLKEVESPYE
2562	Q8R2K3	81	QMGDVSQKTTWHRIS
2563	P62717	149	VKQFHDSKIKFPLPH
2564	A2A813	62	DTSLEDAKTQGPYDV
2565	Q6UKZ0	99	FNNAYDLKVPNSIYG
2566	Q6UKZ0	180	LVNAVYFKGQWNHFK
2567	Q6UKZ0	186	FKGQWNHFKDEKHTR
2568	Q6UKZ0	205	WLNKNTSKPVQMMKQ
2569	Q6UKZ0	211	SKPVQMMKQRNKFNF
2570	Q6UKZ0	325	SQGLVVSKVLHKSFV
2571	B1AWZ3	57	EEFLYNFKKNVHLRT
2572	Q6P1B1	131	IPTDYWKKMAKVLRS
2573	Q6P1B1	153	VKENLVDKIWTDRPE
2574	Q6P1B1	304	AVSEAIKPDHRCCMP
2575	Q6P1B1	319	YTPICIAKAVKNSAE
2576	Q6P1B1	322	ICIAKAVKNSAESDG
2577	Q6P1B1	336	GMRRRAHIKDAVALCE
2578	Q6P1B1	580	DVNALTDKECDWLNS
2579	A2AR43	173	HRKGGCRKLCSYWXX
2580	A2BH06	70	FGIRRNEKIAVHCTV
2581	Q61694	333	VFTISYKKAQRDLGY
2582	P62281	12	QTERAYQKQPTIFQN
2583	P62281	38	EKLPRYYKNIGLGFK
2584	P62281	136	GECPRLSKTVRFNVL

2585	B1AU25	239	DVRGNMVKLNDGSQI
2586	B1AU25	469	ENMTGAAPYWHQSM
2587	B1AU25	557	VEGEDYGKGVIFYLR
2588	Q5NCC2	32	PRHQEALKLFCEVDE
2589	G3UWD7	74	ENLRKFYKGGKYKPL
2590	G3UWD7	77	RKFYKGGKYKPLDLR
2591	Q9CZ13	447	MLRDICSKYFYDQCP
2592	D3Z1G7	100	AMELVTEKGHMFAEE
2593	J3QPR8	16	TRVVQVVKPHAPLIK
2594	Q80Y14	97	PELRQGIKDYSNWPT
2595	P68040	12	MTLRGTLKGHNWVT
2596	P68040	38	ILSASRDKTIIMWKL
2597	E9PYA3	41	LCHSDFRKNLTVQQD
2598	E9PYA3	207	PFMRVKEKTVQQHAG
2599	E9PYA3	229	MRAIRREKDDQFKVPR
2600	Q9DB29	46	LADRLVRKCDVLRNG
2601	Q9DB29	143	LCEAAWEKECVLKGK
2602	O09173	126	LCGAGDIKSNNGLAV
2603	O09173	252	VINKFQGGKLFACKQD
2604	O09173	410	SLSLAVTKWGLKTCS
2605	F8WIT2	191	LYEAGELKWTDEAQ
2606	F8WIT2	406	QQIRQTFKSHFGRDL
2607	F8WIT2	445	HYDAKQLKKAMEGAG
2608	F8WIT2	478	RAINEAYKEDYHKSL
2609	F8WIT2	574	DIEHVIKKEMSGDVK
2610	F8WIT2	638	IRREFIEKYDKSLHQ
2611	Q9DCV4	225	WYQRRIAKVLFFANPP
2612	Q62452	202	YTDMTTFKERVWNHL
2613	Q62452	397	GDQMDNAKRMETRGA
2614	Q62452	511	CCAYGCRKCFGGKGR
2615	Q571F8	178	AKEPTGGKVAAYIPH
2616	Q571F8	212	RHSVGHTKIPFCLQS
2617	Q571F8	244	YVHKFVVGKEPSGLRY
2618	Q571F8	329	YAIGYYLKEKKCFPK
2619	Q571F8	336	KEKKCFPGVDMMAA
2620	Q571F8	549	CKVNPVFKDRWGNIP
2621	Q60932	41	GYGFGLIKLDLKTCS
2622	Q60932	66	SANTETTKVNGSLET
2623	Q60932	122	SFSPNTGKKNAKIKT
2624	Q60932	128	GKKNAKIKTGYKREH
2625	Q60932	269	QTLKPGIKLTLALL
2626	D3Z0J2	34	HLNDDVVKIDFEDVI
2627	D3Z1A9	14	TLQKMGKKQNGKSKK
2628	F2Z494	79	IQKMNPPKFSKVEDM
2629	E9PVX6	249	KSQKSCRKSEPQPDR
2630	E9PVX6	415	RLVPGKKTTPKGSFS
2631	E9PVX6	455	NFGDSINKSEGMPMK
2632	E9PVX6	462	KSEGMPMKRRRVSG
2633	E9PVX6	495	KRGETPTKRKSLGTH
2634	E9PVX6	512	AVLKTIIKERPQSPG
2635	E9PVX6	560	IPKKAGRKSGNLPK
2636	E9PVX6	618	QTQTKVAKHVPQKQT
2637	E9PVX6	623	VAKHVPQKQTSKRQR
2638	E9PVX6	685	NNLMLNRKVDSEDL
2639	E9PVX6	853	RGTFREQKVDQQVQD
2640	E9PVX6	1252	ASTKRRSKMSLMKVD
2641	E9PVX6	1418	TAYMETPKQKLESIE
2642	E9PVX6	1520	TFQVSTNKVIRSSRK
2643	E9PVX6	1543	TAGMPNSKMRCSK
2644	E9PVX6	1760	PEDDTENKGVKESTP
2645	E9PVX6	1838	IINPASMKRQSNMSL
2646	E9PVX6	2027	KRRPQTPKIRAQPLE
2647	E9PVX6	2388	RQQRSCCKRSQSPED
2648	E9PVX6	2601	NQGMEEFKESSVQKQ
2649	E9PVX6	2828	NNGTQVSKASIKQTL
2650	E9PVX6	2876	QISDHSEKLAHDTSI
2651	E9PVX6	2896	QQKPDVSKPLRTRCR
2652	E9PVX6	3031	QNSRYRKKTNVKQPR
2653	E9PVX6	3035	YRKKTNVKQPRPKFD
2654	D3Z7C6	67	DPNDSKHKRTDRSIL
2655	Q9Z204	42	AIFSKYGKIVGCSVH
2656	Q9Z204	98	NRGKAGVKRSAAEMY
2657	Q9Z204	237	FSSPVEMKNEKSEEE
2658	P98200	111	KADNAVNNKKKTIIVLR
2659	P98200	128	MWHTIMWKEVAVGDI
2660	P98200	254	VYTGHD SKLMQNSTK

2661	P98200	919	NAEGFNTKVFWGHC I
2662	P98200	1142	VRAYDTTKENS SRKX
2663	Q9QZ82	70	WRESGTQKIHYHQMQ
2664	Q9QZ82	139	RP IGVLFKSSDAWKK
2665	Q9QZ82	261	LLRKTWKDHAAAWD
2666	Q9QZ82	273	AWDVI FNKADEY TQN
2667	Q9QZ82	288	FYWDLRQKRDFSQYP
2668	Q9QZ82	521	LGPVTRKDNTVNXX
2669	P15864	137	KPAGAAKKPKKATGA
2670	P17095	23	QEKDGT EKRGRGRPR
2671	P17095	62	KRPRGRPKGSKNKGA
2672	Q9CZJ1	46	LRANDYHKKQDFLRA
2673	Q9CZJ1	134	DFQKQKKHVFFFD
2674	Q9CZJ1	223	AQKI QTRKDLMDKTQ
2675	Q9CZJ1	231	DLMDKTQKVKVKKET
2676	P43275	87	SR IKLGLKSLVNKGT
2677	P43275	125	ITTKVSVKAKASGAA
2678	P43275	198	ASKAKVTKPKTPAKP
2679	P70378	74	QLKGI VTKLFCRQGF
2680	A6ZI44	141	FHETLYQKADDGRPF
2681	B7ZC50	191	TKVILHLKEDQTEYL
2682	P11438	140	MDSTTDIKADINKAY
2683	P11438	180	LSSGNFSKEETHCTQ
2684	P11438	267	GINLVTLKVENKNRA
2685	P11438	337	EEHIFVSKMLSLNVF
2686	D3Z6I7	168	VV IKS YQKNSYQDAE
2687	D3Z6I7	218	RQKPRDDKPAFRKEE
2688	D3Z6I7	267	EFMTHK LKQTENAFS
2689	D3Z6I7	296	APQVEAGKRLEELRR
2690	D3Z6I7	393	EDGLSEDKKPFKCF T
2691	D3Z6I7	421	FLNKS VQKSGVRSTH
2692	D3Z6I7	474	AEGVRNIKSMWEKGS
2693	D3Z6I7	542	GKRN LWKQSVDKVT
2694	Q6IRU2	212	FAERTVSKLEKTIDD
2695	Q8K009	121	MDVIDSPKHGSI IYH
2696	Q8K009	349	LKVAETIKVIWARIL
2697	Q8K009	440	EVNGMTVKIPYQCFI
2698	P08113	270	TIKNLVRKYSQFINF
2699	P08113	340	WELMNDIKPIWQRPS
2700	P08113	410	SKKSDYIKLYVRRVF
2701	P08113	537	RMKEKQDKIYFMAGS
2702	P08113	682	TNYYASQKKTFEINP
2703	P52480	151	LDNAYMEKCDENILW
2704	P52480	270	KNIKIISKIENHEGV
2705	Q80X90	15	LAEDAPWKKIQQNTF
2706	Q80X90	16	AEDAPWKKIQQNTFT
2707	Q80X90	93	FLDHESIKLVSIDSK
2708	Q80X90	360	DASKVTAKGPGLT T
2709	Q80X90	373	TTGNIANKPTYFDIY
2710	Q80X90	607	NDGSCDVKYWPKEPG
2711	Q80X90	628	MCDEDEIKDSPYMAF
2712	Q80X90	697	QP IDIQMKS RMDGTY
2713	Q80X90	712	ACSYTPLKAIKHTIA
2714	Q80X90	744	GQGSHPQKVKVFGPG
2715	Q80X90	1044	PPDPTKVKAHGPGLE
2716	Q80X90	1103	SVSYLPTKPG EYFVN
2717	Q80X90	1221	PHFPAWVKVEPAIDT
2718	Q80X90	1745	DMNGLGFKPFDLVIP
2719	Q80X90	1801	GLHEMHIKYRGSHIP
2720	Q80X90	1872	EISCIDNKDGTCTVT
2721	Q80X90	1943	STLTASIKAPSGRDE
2722	Q80X90	1980	EHLVSIKKNGNHVAN
2723	Q80X90	2120	SICDLNLKIP EINSS
2724	Q80X90	2455	GNYLIGVKYGGPNHI
2725	Q80X90	2507	TCYSAIPKSSSDASK
2726	Q6P5E4	148	EPPPEGCKSFLSVHG
2727	Q6P5E4	156	SFLSVH GKQTCDDLDT
2728	Q6P5E4	256	AIKSTEYKAKDDTQV
2729	Q6P5E4	617	SAYDQNRKEARGYYE
2730	Q6P5E4	658	LETITM HKILETTTF
2731	Q6P5E4	703	NSRILTAKREYLDLT
2732	Q6P5E4	1027	VMNCQSKLSDMPLK
2733	Q6P5E4	1034	KLSDMPLKSFYRYVL
2734	Q6P5E4	1244	KWGFSGQKAEEVKQD
2735	Q6P5E4	1320	QYELVQYKWRWLHQ
2736	Q6P5E4	1399	MDGYR FWKSGYWASH

2737	Q6P5E4	1484	TWCDDASKKRAKTID
2738	Q99JT1	58	HTAQKPRKGEHKWAA
2739	Q99JT1	62	KPRKGEHKWAAVGL
2740	Q99JT1	80	AQISSNSKLFSGAQV
2741	Q99JT1	139	KKSLFDRKHIFYSDL
2742	Q99JT1	332	PMRDKEGKQDYRFMP
2743	Q99JT1	435	NTFLCYLKQQNLAVS
2744	P11499	107	NNLGTIAKSGTKAFM
2745	P11499	319	WEDHLAVKHFVSEQ
2746	P11499	399	REMLQQSKILKVIRK
2747	P11499	477	SEYVSRMKETQKSIY
2748	E9Q5T3	172	TEEKVPVKKSVRDTP
2749	E9Q5T3	201	KPSTPRSKGQESFKK
2750	E9Q5T3	251	AKFINYVKNCFRMTD
2751	F6VJC5	602	ASLACMSKYSAGCIF
2752	B8JKK2	14	IQELWRKKQSDVMRF
2753	B8JKK2	47	PRPTRPKARRLGKY
2754	B8JKK2	83	PKGATYGKPVHGGVN
2755	P62827	141	KSIVFHRKKNLQYYD
2756	P62827	152	QYYDISAKSNYNFEK
2757	Q8VDD5	125	CVVINPYKNLPIYSE
2758	Q8VDD5	269	SRAIRQAKEERTFHI
2759	Q8VDD5	407	YVQKAQTKEQADFAI
2760	Q8VDD5	435	WLVLIRINKALDKTKR
2761	Q8VDD5	517	PCIDLIEKPAGPPGI
2762	Q8VDD5	555	QEQTGHPKFQKPKQL
2763	Q8VDD5	558	GTHPKFQKPKQLKDK
2764	Q8VDD5	760	LYRIGQSKVFFRAGV
2765	Q8VDD5	938	CQYLQAEKKMQQNI
2766	Q8VDD5	989	IMEDQNCKLAKEKKL
2767	Q8VDD5	1614	MAMAARKKLEMDLKD
2768	Q8VDD5	1648	RKLQAQMKDCMRELD
2769	Q8VDD5	1676	KENEKCLKSMEAEMI
2770	Q8VDD5	1828	EQLDNETKERQAASK
2771	Q8VDD5	1867	QFKDQADKASTRLKQ
2772	A1BN54	89	RGKMRVHKISNVNKA
2773	A1BN54	157	LLLWCQRKTAPYKNV
2774	A1BN54	195	PELIDYGKLRKDDPL
2775	A1BN54	220	ERFLDIPKMLDAEDI
2776	A1BN54	236	GTARPDEKAIMTYVS
2777	A1BN54	312	TMHAMQQKLEDFRDY
2778	A1BN54	413	HEAWTDGKEAMLRQK
2779	A1BN54	684	SIVNYKPKIDQLECD
2780	P11031	97	MDSEGEMKPRKGIS
2781	P11031	114	MEQWSQLKEQISDID
2782	Q64727	35	EEGEVDGKAIPDLTA
2783	Q64727	139	RKIIRVCKGILEYLT
2784	Q64727	792	AADELSTKTI SPMVM
2785	Q64727	830	RILGAVAKVREAFQP
2786	Q64727	1061	F'TLRWVRKTPWYQXX
2787	P09405	299	APEAKKQKVEGSEPT
2788	P09405	439	GIAYIEFKSEADA EK
2789	P09405	478	QRQERTGKTSTWSGE
2790	P09405	546	EALNSCNKMEIEGRT
2791	P09405	645	TLDWAKPKGEGGFGG
2792	P26039	89	RKKQRPLKIRMLDGT
2793	P26039	98	RMLDGTVKTIMVDDS
2794	P26039	254	FGPHNEQKHKAGFLD
2795	P26039	263	KAGFLDLKDFLPKEY
2796	P26039	300	EAKVRYVKLARSLKT
2797	P26039	402	YIDIILKSKKSKDHF
2798	P26039	535	SKAWRKKNMDESKHE
2799	P26039	855	SDLENSRKLLSAAKI
2800	P26039	1025	MQLSQCAKNLGTALA
2801	B7FAU9	58	RWCNEHLKCVSKRIA
2802	B7FAU9	62	EHLKCVSKRIANLQT
2803	B7FAU9	331	AGHQEEAKVTANNNDK
2804	B7FAU9	531	GEERVKQKDLGDGVY
2805	B7FAU9	626	AKIECDDKGDGSCDV
2806	B7FAU9	837	DNDTFTVKYTPCGAG
2807	B7FAU9	1573	VEFTIDAKDAGEGLL
2808	B7FAU9	1590	QITDPEGKPKKTHIQ
2809	B7FAU9	1592	TDPEGKPKKTHIQDN
2810	B7FAU9	1593	DPEGKPKKTHIQDNH
2811	B7FAU9	1711	YTAPQPGKYVICVRF
2812	B7FAU9	2379	VTEIDQDKYAVRFIP

2813	B7FAU9	2567	SKAYVQGKSNFTVDC
2814	A2AC16	188	TNWSDPHKAKAMLDLDR
2815	A2AC16	200	LDRIPLGKFAEVENV
2816	P17156	189	IAYGLDKKGCAGGEK
2817	P99024	19	CGNQIGAKFWEVSD
2818	P99024	216	DICFRTLKLTPTTYG
2819	P99024	336	QMLNVQKNSSYFVE
2820	P99024	392	FTAMFRRKAFLHWYT
2821	D3Z0A2	35	FHNRHLFKDKVVLDDV
2822	D3Z0A2	55	I LCMFAAKAGARKVI
2823	D3Z0A2	159	DRQYKDYKIHWWENV
2824	D3Z0A2	175	GFDMSCIKDVAIKEP
2825	D3Z0A2	223	SPFCLQVKNRNDYVHA
2826	D3Z0A2	244	IEFTRCHKRTGFSTS
2827	D3Z0A2	260	ESPYTHWKQTVFYME
2828	D3Z1N9	22	KWHRNGIKKPRSQRV
2829	D3Z1N9	47	LRNMRFAKKHNKKGL
2830	D3Z1N9	104	IAHPKLGKRIRSYMA
2831	E9Q616	272	KGLDLGGKGGIRVPG
2832	E9Q616	305	LQSGDIGKIKIPTMK
2833	E9Q616	505	EMLIQKPKISMQDVD
2834	E9Q616	708	PDVDLHIKGPVKVGE
2835	E9Q616	747	DVHGPDLPKPKMKMP
2836	E9Q616	854	KVPDVELKSALKLID
2837	E9Q616	1160	TIDVSGPKLDIETSD
2838	E9Q616	1190	KMPDMHFKAPKISMP
2839	E9Q616	1512	MPKVKMPKFSMPGFK
2840	E9Q616	2359	KWKSPKFKMPDMHFK
2841	E9Q616	2580	NLKGPKVKGDVDVSL
2842	E9Q616	2843	DVDMSLPKVEGEIKV
2843	E9Q616	4657	PKIEGTLKGPEDMK
2844	E9Q616	4862	VKSPKVKKTMFGKMY
2845	E9Q616	5126	HIGADGVKMSGIDAT
2846	E9Q616	5548	FSLFKSKKPRHRSNS
2847	E9Q616	5585	DAKGKHGKLFKGTFG
2848	P70404	115	RRNRVALKGNIEFNH
2849	P70404	129	HNLPPSHKSRNNILR
2850	P70404	340	CMMLDHLKLSYATS
2851	P06745	128	EVNRVLDKMKSFQQR
2852	P06745	142	RVRSGDWKGYTGKSI
2853	G3XA10	17	KLKSELKEELKRR
2854	G3XA10	210	QQAGDGKTEQKGGD
2855	G3XA10	307	RASYGVSKGKVCFEM
2856	G3XA10	315	GKVCFEMKVTEKIPV
2857	G3XA10	360	FSYGYSKGIKTCNC
2858	G3XA10	412	GVAFKISKEVLADRP
2859	G3XA10	440	FNFGQKEKPYFPIPE
2860	G3XA10	520	MMVAGFKKQMATGK
2861	G3XA10	664	KKQNTGSKKSNKNS
2862	O54734	213	SYSFFPDKPITQYPH
2863	O54734	354	PFVVRTFLKRKGGKYS
2864	E9PWU7	229	TVEVSSKTKQALSE
2865	E9PWU7	231	EVESKTKQALSESQ
2866	E9PWU7	419	ARVRPVTKEDGEGPE
2867	E9PWU7	514	LFSEVQEKASDWQYN
2868	E9PWU7	676	HVPFRNSKLTLYLLQD
2869	K3W4R2	222	ASSPKGRKEPGVPS
2870	K3W4R2	706	CTVPNHEKRAGKLEP
2871	K3W4R2	849	RNCAAYLKLNRWQWW
2872	K3W4R2	861	QWWRLFIVKPLLQV
2873	D6RCG1	251	KDLLVKIKNTILQRA
2874	Q3UV17	8	MSRQACKKSFSCGSQ
2875	Q3UV17	170	AQEREQIKTLNKFPA
2876	Q3UV17	403	RAEIEENVKKQNTNMQ
2877	Q91VD9	87	VEIEKAPKVVAACAM
2878	Q91VD9	289	NEEWISDKTRFAYDG
2879	Q91VD9	420	LFNARIRKSWLHNDL
2880	O09111	67	EDENVYAKNPDPFHGY
2881	Q5SXR6	102	FNIEEMKSKMAHTMT
2882	Q5SXR6	144	EGESQPVKMFDHRSS
2883	Q5SXR6	282	DVVFLITKYGYIHLY
2884	Q5SXR6	504	AETGQVQKIVLYAKK
2885	Q5SXR6	641	FTDLYDIKRAVVHHT
2886	Q5SXR6	911	YDSRVVGKYCEKRDV
2887	Q5SXR6	1213	GDRCYDEKMYDAAKL
2888	Q5SXR6	1396	AWKEGQFKDIITKVA

2889	Q5SXR6	1549	MQYASESKDTELAEE
2890	Q5SXR6	1566	QWFLQEEKRECFGAC
2891	Q64524	117	HAVSEGTKAVTKYTS
2892	Q32MW3	155	VDKIDMCKHSLSP EQ
2893	Q32MW3	318	FGGFLMRKAYELAWA
2894	Q32MW3	407	EVPLIFPKTYGESML
2895	Q99M87	249	KGNPEPGTKVQHCHYC
2896	Q8VDN2	413	QSGVSFDKTSATWFA
2897	Q8VDN2	625	GDHPITAKAIAKGVG
2898	Q3UJQ9	26	SSRGALHKGVCVYFS
2899	Q3UJQ9	83	ALLKTGVKDLTAVSN
2900	Q3UJQ9	263	PEDIHIPKIYVHRLI
2901	Q3UJQ9	473	VNRIITEKVSPNLMP
2902	Q9Z0J0	116	YLNKLPVKNEYPSIK
2903	Q9D051	68	AQYDGAYKVSRLWK
2904	Q9D051	285	ATEASVMKTNHLTV
2905	P14211	80	RFYALSAKFEPFSNK
2906	P14211	98	LVVQFTVKHEQNIDC
2907	P14211	272	VIQNPEYKGEWKPRQ
2908	B2M1R6	155	ENTQTTIKLFQECCP
2909	Q6ZQ38	20	EKMTSSDKDFRFRMAT
2910	Q6ZQ38	40	ELQKDSIKLDDDSER
2911	Q6ZQ38	144	RLTSAIAKQEDVSVQ
2912	Q6ZQ38	288	SFVRRCPKEVYPHVS
2913	Q6ZQ38	566	FDATPYIKDLFTCTI
2914	Q6ZQ38	793	QSTALTHKQSYYSIA
2915	Q6ZQ38	904	QEITSQPKRQYLLH
2916	Q6ZQ38	1072	EVEMGPFKHTVDDGL
2917	Q6ZQ38	1120	LKDHYDIKMLTFLML
2918	Q20BD0	97	DLKDYFTKFGEVVDC
2919	Q20BD0	232	SGSKCEIKVAQPKEV
2920	P07901	500	YFITGETKDQVANS
2921	P07901	566	KKKQEEKKTTFENLC
2922	P83882	13	KTRRTFCCKCGKHQP
2923	P83882	14	TRRTFCCKCGKHQPH
2924	P83882	58	QTKPIFRKKAKTTKK
2925	P83882	80	VEPNCRSKRMLAIKR
2926	P83882	89	MLAIKRCKHFELGGD
2927	P83882	98	FELGGDKKRKGQVIQ
2928	Q3V3R1	625	TDSLTTDMKERLGRMV
2929	Q3V3R1	658	GALTVLMKDAIKPNL
2930	Q3V3R1	762	VTAGVPLKKEYTEEN
2931	Q3V3R1	802	VVALNVFKTDTRAEI
2932	Q3V3R1	835	YHWSAGGKGSVDLAR
2933	P63323	83	LTKVDDNKKLGEWVG
2934	Q99KE1	36	MLNPRNTNKGMAFTLQ
2935	Q99KE1	156	NWPENHVKAVVVDG
2936	Q99KE1	405	LFTHGVIKAMASINE
2937	E9PV44	64	QKQIERHKKKIQQLK
2938	Q6PB66	186	SPTDFLAKMEGANIQ
2939	Q6PB66	450	PLLAGHQKTKNVQGI
2940	Q6PB66	512	TFAQAEVKNEAINGN
2941	Q6PB66	759	ALVKVLGKHSRLQDA
2942	Q6PB66	852	IACHKKYKVLPRIRD
2943	Q6PB66	904	FLQTGNKYEAKKIE
2944	Q6PB66	962	QMYNLLKLYKISSD
2945	Q6PB66	1079	LIGLLLSKDDFTQAM
2946	Q6PB66	1303	PKKAPVLKTLLELIP
2947	Q60864	32	QCYSEAIKLDPQNHV
2948	Q60864	100	RTYEEGLKHEANLQ
2949	Q60864	207	PPPPPPKKEPKPEPM
2950	Q60864	272	QAAVHFEEKGDYNKCR
2951	Q60864	366	LALEEKKNKGNECFQK
2952	D3YZP8	21	LRHWALGKPSPDAGP
2953	E9QPA6	222	GARHPDMKKRVENAY
2954	E9QPA6	241	NVSLEYEKTEVNSGF
2955	E9QPA6	359	EYTLGEEKFTFIEKC
2956	E9QPA6	503	WDNYCVKQLLHSCV
2957	Q8CGK3	548	MTDVAEIKGHRRTYV
2958	D3Z7P3	359	QGVNNAEKFDYVMQF
2959	D3Z7P3	369	YVMQFLNKMAGNEYV
2960	D3Z7P3	512	CWSPPLDKMGNSVKG
2961	Q8BMK4	35	GADDVAKKPPAAPQQ
2962	Q80ZS3	36	TRHDPKAKSKVGRVQ
2963	Q80ZS3	38	HDPPAKSKVGRVQTP
2964	P26041	53	GLQYQDTKAFSTWLK

2965	G3X9D5	89	DHSTPIPKGMWTHAP
2966	P20152	97	DAINTEFKNTRTNEK
2967	P20152	143	EQLKGQGSRLGDLY
2968	G5E8N5	147	QRNVNIFKFIIPNLV
2969	G5E8N5	155	FIIPNIVKYSPhCKL
2970	G5E8N5	307	HPISTMIKGLYGINE
2971	P58252	15	QIRAIMDKKANIRNM
2972	P58252	226	HGWAFTLKQFAEMYV
2973	P58252	605	KHNRLYMKARPFPDG
2974	P58252	766	IYGVNLRKRGHVFEE
2975	D3Z6C3	34	KKDWYDVKAPAMFNI
2976	D3Z6C3	94	ITEDVQGNCLTNFH
2977	D3Z6C3	109	GMDLTRDKMCSMVKK
2978	D3Z6C3	116	KMCSMVKKWQTMIEA
2979	D3Z6C3	144	LFVGVFTKKRNNQIR
2980	D3Z6C3	195	LIPDSIGKDIEKACQ
2981	D3Z6C3	220	RKVKMLKKPKSELGK
2982	Q64133	6	XXMTDLEKPSITGHM
2983	Q64133	280	IPPVLTAKIHFKPEL
2984	Q64133	317	YKEAFWKKKDYCGCM
2985	Q91VA7	151	VKSLPGYKTRHNNLD
2986	Q91VA7	192	LKIVTRTKSQRJAKF
2987	J3QMG3	15	CDLGKAAKDVFNKGY
2988	J3QMG3	175	NNFALGYKAADFQLH
2989	J3QMG3	198	FGGSIYQKVNRIET
2990	P22682	51	HPPCTVDKMMVEKCW
2991	P22682	181	GDTFRITKADAAEFW
2992	P22682	841	RRINSERKASSYQQG
2993	Q3UH59	182	IIEMYRGKKRHMP
2994	Q3UH59	399	QFGNISFKKERNTDQ
2995	Q3UH59	1454	EKVLAYDKLEKTKNR
2996	Q3UH59	1544	EEFERQNKQLRADME
2997	Q3UH59	1569	KNVHELEKSKRALEQ
2998	Q3UH59	1656	RALAVASKKKMEIDL
2999	Q3UH59	1819	AERSAAQKSDNARQQ
3000	P62911	67	YGSNKKTKHMLPSGF
3001	Q9R078	89	FRWTGGGKEVYLSGS
3002	Q9R078	157	NNLIQVKKTDFEVFD
3003	Q9R078	258	LSATHRYKKKYVTTL
3004	Q9R078	259	SATHRYKKKYVTLL
3005	J3QPW1	87	GALNIHEKAWNAYPY
3006	J3QPW1	101	YCRTVITKNEYMKED
3007	J3QPW1	118	IKIETWHKPDLTQE
3008	J3QPW1	196	CPYMCAYKLVTVKFK
3009	J3QPW1	210	KWWGLQNKVENFIHK
3010	J3QPW1	236	QLFCWLDKWVDLTMD
3011	Q61598	89	MANGQLVKMLLFTFV
3012	Q61598	142	FEKRRFRKFLVYVAN
3013	Q61598	153	YVANFDEKDPRTFEG
3014	Q61598	329	PQNQVNRKSDIYVCM
3015	Q61598	360	VSTTVETKEPEKEIR
3016	Q8K2Y7	55	VTSFLQCKLLHTTLS
3017	Q8K2Y7	82	NWGEEKVKSGASWTC
3018	Q8K2Y7	136	PSPERLEKVVDSMDN
3019	Q8K2Y7	182	FGRIVWHKFKQWP
3020	Q8K2Y7	194	PIPWYLNKRYNRRRF
3021	H7BX22	148	AREEAEKSEKQXX
3022	P20029	219	LDKREGEKNILVFDL
3023	P33609	131	KDRKDVKKPSVTKPN
3024	P33609	272	DTEKVDEKPVTAKTW
3025	P33609	496	ELFLMNRKIKGPCWL
3026	P33609	498	FLMNRKIKGPCWLEV
3027	P33609	603	CIFPCDFKEVISKKN
3028	P33609	810	NNYIVPDKQIFRKPQ
3029	P33609	1145	EINKALTKDPQDYPD
3030	P33609	1257	FRVHQYHKDEENDAL
3031	P33609	1282	EKYKDCEKFKCLCPS
3032	P33609	1320	RCSNVDCVSPPLTFM
3033	P33609	1333	FMVQLSNKLIIMDIRR
3034	P33609	1421	EHEKDKLKKQFFPLR
3035	P33609	1422	HEKDKLKKQFFPLRV
3036	P33609	1437	LQDYRKVKVKNIAEQFL
3037	P62862	33	KKKTGRAKRRMQYNR
3038	I7HLV2	13	ARCERYCKNKPYPKS
3039	I7HLV2	74	AARICANKYMKVSCG
3040	E9Q133	31	SGNINAAKIQVQHPA



3041	E9Q133	489	DDIVSGHKKKGDDQN
3042	E9Q133	490	DIVSGHKKKGDDQNR
3043	E9Q133	491	IVSGHKKKGDDQNRQ
3044	P62242	19	RKTGGKRKPYHKKRK
3045	P62242	140	EEEILNKKRSKKIQK
3046	P62918	92	GQFVYCGKKAQLNIG
3047	P62918	188	KAGRAYHKYKAKRNC
3048	P62918	190	GRAYHKYKAKRNCWP
3049	P62918	192	AYHKYKAKRNCWPRV
3050	P62918	221	GNHQHIGKPSTIRRD
3051	P0C0S6	38	GR IHRHLKSR TTSHG
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3053	E9Q7B0	240	HDGNRNPKFILAPAK
3054	E9Q7B0	302	TAQYRVSKSAWLSGY
3055	E9Q7B0	430	CPVLVGNKWVSNKWL
3056	Q01853	109	IQPCPDVKYGKR IHV
3057	Q01853	615	MDGMSTKKNVFIIGA
3058	A2AFK7	266	AVIFCNTKRRKVDWLT
3059	A2AFK7	293	MHGDMPOKKERESIMX
3060	P62267	21	RSHRRDQKWHDKQYK
3061	P62267	25	RDQKWHDKQYKKAHL
3062	P62267	29	WHDQYKKAHLGTAL
3063	Q8BKZ9	325	DLVKDDIKVSVNDFI
3064	D3YTV6	16	VI IKDIFKQGKICFI
3065	P80313	230	AGFEMQPKKYKNPKI
3066	P80313	236	PKKYKNPKIALLNVE
3067	P80313	401	MIVVRAIKNDSVVAG
3068	P80313	463	DATNILNKLRLARHAQ
3069	P27612	142	AKVWLNDKCMMTLQG
3070	P27612	259	DRSLRIWKHGECAT
3071	P27612	556	TQILGKLLKELNGTAP
3072	P27612	622	DILRLSIKHPNVNEN
3073	P27612	714	NYSVCFHKDHNIEGK
3074	Q8BH04	88	GLIRKLPKYKNCWLA
3075	Q8BH04	234	QWPCNPEKTLIGHVP
3076	A2AC13	116	KLDLRDDKDTIERLR
3077	A2AC13	125	TIERLRDKKLAPITY
3078	E9PZF0	146	I IKRFEQKGFRLVAM
3079	E9PZF0	154	GFRLVAMKFLRASEE
3080	E9PZF0	243	DSVESAEKEIHLWFK
3081	E9PZF0	258	PEELIDYKSCAHDWV
3082	Q61576	76	NGTFEDGKKFDSSYD
3083	Q61576	151	VLLDVWNKADTVQST
3084	E9Q0P9	181	NWEKQFNKEHTREMP
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3087	P48678	32	RITRLQEKEDLQELN
3088	P48678	341	SRLLAEEKEREMAEM
3089	P48678	378	MEIHAYRKLLEGEE
3090	P48678	417	QGGGSVTKKRKLSS
3091	P48678	457	KFVRLRNKSNEDQSM
3092	P48678	599	TCGQPADKAAGGAGA
3093	P62849	43	PKTEIREKLAKMYKT
3094	P62849	83	YDSL DYAKKNEPKHR
3095	P62849	88	YAKKNEPKHRLARHG
3096	P62849	116	ERKNRMKKVRGTAKA
3097	O88342	28	KILGGDPKGDHFLYT
3098	O88342	106	QPFAGKIKDIAWTE
3099	F6XI62	79	NFAELKVKRLRKKFA
3100	F6XI62	107	EKAKHYHKEYRQMYR
3101	F6XI62	213	GYGKINKKRIALTDN
3102	F6XI62	250	YTVGKR FKEANNFLW
3103	F6XI62	271	PRGGMKKKTTHFVEG
3104	P27659	28	RSSRHRGKVKSF PKD
3105	P27659	148	TGKKQLEKDFNSMKK
3106	P27659	282	HHRTEINKKIYKIGQ
3107	Q8CFI7	37	ISSYFDEKGLVRQQL
3108	Q8CFI7	87	EP RYLLKFEQIYLS
3109	Q8CFI7	130	PLYVDITKTVIKEGE
3110	Q8CFI7	457	TGNWGDQKKAHQARA
3111	Q8CFI7	730	TYQSAMGKQAMGVYI
3112	Q8CFI7	917	TLNQEGYKFKIRVR
3113	Q8CFI7	934	RIPQIGDKFASRHGQ
3114	Q9QXB9	21	IARTQKNKATEYHLG
3115	Q9QXB9	247	PCLYVYNKIDQISME
3116	P42669	153	FLVRENKYYMDLKE

3117	P42669	159	RKYYMDLKENQRGRF
3118	P42669	238	FFDVGSNKYGVFMRV
3119	P42669	265	VPYKVWAKFGHTFCK
3120	P42669	272	KFGHTFCKYSEEMKK
3121	P42669	278	CKYSEEMKKIQEKQR
3122	Q9CZX8	77	AGVGSMTKIYGGRR
3123	Q9DCL9	414	LNTWISLQADKKVR
3124	Q99PT1	186	SRFTDDDKTDHLSWE
3125	P70670	665	ISFSNARKVDVAVSHM
3126	P70670	753	SPTPPSSKGAPVPST
3127	P70670	781	TESSISSKQVPAELL
3128	P70670	893	TLATSIPKVTSPSPQ
3129	P70670	1040	APKTAVSKEIPSKGV
3130	P70670	1104	PEISLPPKETPQNAT
3131	P70670	1779	ASEKLPSSKKGPTAFT
3132	P70670	2070	VTRVTIRKSKNILFV
3133	A2AL12	200	GHNCEVKKALSKQEM
3134	A2AL12	287	QSNYGPMMKGGSFGR
3135	E9Q4Y4	124	MKPRAEEKQANAASV
3136	E9Q4Y4	156	SALDFHLKSWTNHEE
3137	E9Q4Y4	330	KEAAHNLKDIVPNQS
3138	E9Q4Y4	531	HPFIQDEKIDVQNTF
3139	E9Q4Y4	597	LGGKDVKRPSFGYF
3140	E9Q4Y4	1100	MPWVIQSKSGLANMR
3141	E9Q4Y4	1141	REPLEAGKMMDSTSG
3142	E9Q4Y4	1323	QNLLSTAKPFPMVTN
3143	E9Q4Y4	1525	WRCFTFSKEPIHVSL
3144	E9Q4Y4	1533	EP IHVSLKAAPHADI
3145	E9Q4Y4	1906	FVRAVCFKESQRKVL
3146	E9Q4Y4	1983	MHTPGILKQILPEHS
3147	E9Q4Y4	2141	NNSVILLKFELYWPA
3148	E9Q4Y4	2199	HCDNGQKKIVKVQIR
3149	E9Q4Y4	2336	IIFLPRDKGNYAQFW
3150	E9Q4Y4	2420	HHGVYAPKDVYTFPL
3151	F6ZKZ3	186	WKALQGFKEGNALFT
3152	F6ZKZ3	218	LSEAYFRKTGKRPKA
3153	F6ZKZ3	221	AYFRKTGKRPKANI I
3154	P97314	42	FLCMVCRKNLDSTTV
3155	P97314	59	HDEEYCKSCYGGKY
3156	F6YJW4	18	GCCLPTPKCHTPPLY
3157	Q9CQ65	71	QHTIMPSKVNYQANI
3158	Q9CQ65	166	LGLRCHSKGTIVTIE
3159	P97379	348	DIDENELKEFFMSFG
3160	G3UZK4	19	SRMIRKMKLPGRENK
3161	E9Q876	81	LLCDTDSKCKDTPYG
3162	E9Q876	209	LGKNVFNKFCLSNMT
3163	E9Q876	649	DIYNFTYKVFFPRKD
3164	E9Q876	658	FFPRKDQKPMERMME
3165	E9Q876	747	LPSSQKPKGNHTKDF
3166	E9Q876	805	LKPMLLKGILYSPYN
3167	E9Q876	816	SPYNPTTKAIMEKSN
3168	E9Q876	821	TTKAIMEKSNVTLRQ
3169	E9Q876	1098	LRLHEYMKMMGVNSC
3170	E9Q876	1202	DELSYVIKVFMSLLS
3171	E9Q876	1292	PILPSYWKERFGCAE
3172	E9Q876	1410	FVYGKDIKTDLNTVR
3173	E9Q876	1644	ALDKGMGKLNIGCYG
3174	E9Q876	1926	PDNRTLAKVWYDPEG
3175	E9Q876	2015	IVREHQTAKQLQHI
3176	E9Q876	2213	LINELWIKKLRFFR
3177	E9Q876	2425	SGMDPKSKRHLWRI I
3178	E9Q876	2494	KVHLKNNKVSMTLT
3179	E9Q876	2502	VSMTLTKFMQLHFP
3180	E9Q876	2567	EVFINFAKDQKSYEN
3181	P16627	90	PVVQSDMKLWPFQVI
3182	P16627	563	GDEGLKDKISESDKK
3183	P16627	611	MCNPIITKLYQSGCT
3184	A3KFU5	78	TMNFDVMKGKPIRIM
3185	P67984	48	QFLQERIKVNGKAGN
3186	P67984	89	YLKYLTKKYLKKNL
3187	P67984	107	LRVVANSKESYELRY
3188	B1AXN3	17	QQNKSAQKENHYKNP
3189	B1AXN3	22	AQKENHYKNPNQVVR
3190	B1AXN3	35	VRMSRNDKEVNQHLE
3191	B1AXN3	137	NAENEIFKWCQKQYL
3192	B1AXN3	164	FLNQTGNKSQDLEQE

3193	B1AXN3	197	SVDVNQTKMKSSDGS
3194	B1AXN3	384	EITECVPKVQIHFTA
3195	B1AXN3	502	YSQDIIIKHQFHHL
3196	B1AXN3	537	NFPHPAEKSDIVQLI
3197	B1AXN3	672	SIIEECGKIHLHFPK
3198	B1AXN3	724	ETLHIKSKYHQFLN
3199	B1AXN3	913	MDLGTHEKGKEKWR
3200	B1AXN3	923	EKWKR TAKEIAPNSP
3201	B1AXN3	1224	CYAKTTTKLPDNDNC
3202	B1AXN3	1238	CEHFPRLKQRTSSKT
3203	P29341	80	NFDVIKGGKPVRIWWS
3204	Q8BMD8	190	EFTDEKKSQWWRQ
3205	Q8BMD8	228	MMQVHGSKSMNIFGG
3206	Q8BMD8	334	GCAKKILKHEGFCAF
3207	Q9ERG0	21	LSLRVTAKELSLVNK
3208	Q9ERG0	210	KGEHNQTKSLWTQSR
3209	Q9ERG0	347	DTCSQVKSEAQQPM
3210	Q9ERG0	378	SSPSKTAKKFQAPAK
3211	Q9ERG0	393	ESCVECQKTVYPMER
3212	Q9ERG0	711	FVDTTAAKEFTTQNO
3213	Q9ERG0	719	EFTTQNQKSQDVGFW
3214	Q9ERG0	741	LSVEEQIKRNRYYDE
3215	E9PYH2	36	QECGLRKTFWAAMR
3216	E9PYH2	53	RTRADHQKLGHCVTM
3217	E9PYH2	287	DAINFHDKIRKGCVI
3218	Q80X50	26	NQNQTQHKQRPQATA
3219	Q80X50	884	PYSGDLTKFGRGDAS
3220	Q3THE2	13	AKTKTTKKRPQRATS
3221	Q5SX75	310	LTPRRQKKLFCRYHH
3222	E9Q718	94	GQKVRLLKEAMEHYA
3223	E9Q718	614	YGWSSGGKHHDSRIS
3224	E9Q718	635	PTDDIHMKGIGLENV
3225	Q9R0E1	107	MEKYADQKDMIIMFV
3226	Q9R0E1	503	FCKSVRDKGIFLHLS
3227	P61087	10	NIQVQRIKREFKEVL
3228	P61087	72	TYPFNPPKVRFTKI
3229	Q9WUP7	234	RKMIYEQKIAELQRQ
3230	Q9WUP7	282	VQKLRKRYKIENIRRK
3231	Q9D8E6	120	RRVNTTQKRYAICSA
3232	Q9D8E6	193	SQRMRAGKGMNRNR
3233	Q9D8E6	219	NEDNGI IKAFRNIPG
3234	Q9D8E6	283	NYNLPMHKMMNTDLS
3235	Q9D8E6	372	SEKVVPEKGTADKKP
3236	Q9CX86	8	MENSQ LCKLFIGGLN
3237	P30681	68	EDLAKSDKARYDREM
3238	E9QPE7	817	QQQLTAMKVIQRNCA
3239	E9QPE7	1331	LQEETRQKLVSTKL
3240	E9QPE7	1359	LDEEMEAKQNLERHV
3241	E9QPE7	1377	NIQLSDSKKKLQDFA
3242	E9QPE7	1731	RNTLQDEKRRLEARI
3243	P48036	210	HLRRVFDKYMTISGF
3244	Q9JMH6	478	LYGGSNVKCDYDNVP
3245	P32921	51	VKMLLSLKMYSKAAM
3246	P32921	100	TVRTSSAKGIDYDKL
3247	E9Q7L0	161	TTIDKLGKSWDPSLL
3248	E9Q7L0	243	QCQWIRQKFETPGVM
3249	E9Q7L0	583	YGRSKDKKILHIKHW
3250	E9Q7L0	606	FNVDGEPKSMTCPTT
3251	E9Q7L0	653	RGRADMTKKRTVDWA
3252	Q6ZQF0	186	SQEKKITKYTDVNME
3253	Q6ZQF0	424	RPHVVGAKWLLCFT
3254	Q6ZQF0	690	VRKANAKGMLASTH
3255	Q6ZQF0	1088	MSATCIVKTPAQKTC
3256	Q6ZQF0	1461	AQNMVCLKTEYIADY
3257	Q6ZQF0	1491	EALFHNKKGPGPLP
3258	Q8K0D5	194	ALQQMRSKLNHNAAF
3259	Q8K0D5	379	RNYQGELKKGSTIYN
3260	Q8K0D5	460	IAMRPSNKNDLEKFS
3261	Q8K0D5	566	LPPEDYTKLEFSDET
3262	Q6ZWZ7	46	MHIRKATKYLKDVTL
3263	Q6ZWZ7	179	QKLLKQKLMAREXX
3264	Q9WUM4	9	RRVVRQSKFRHVFGQ
3265	Q9WUM4	19	HVFGQAVKNDQCYDD
3266	Q9WUM4	329	KRGLDVNKCEIARFF
3267	Q9WUM4	398	KHGYIPGKNRDLKVV
3268	A2A6G6	13	KNYKGYEKKPYCNAH

3269	A2A6G6	14	NYKGYEKKPYCNAHY
3270	Q05816	10	SLKDLEGKWRLMESH
3271	Q05816	72	FSCNLGEKFDETTAD
3272	G3UXT7	6	XXXIKTNKKTGQPMI
3273	G3UXT7	80	QQRAGDWWKCPNPTE
3274	Q920A7	163	FYFRDPGKEITWKHF
3275	Q920A7	390	DMFAMARKHAPCILF
3276	Q920A7	407	EIDAIGRKRGRGHLG
3277	Q920A7	769	TSLPEGLKDWNGRE
3278	Q61753	137	DGKWDRKKFMGTSLN
3279	D3Z7R0	135	LYIRAFQKLTDFPPI
3280	Q9ERQ3	347	NSMKVMFKCLWKSCG
3281	Q9ERQ3	541	GEGKKCRKVYGMENR
3282	Q9ERQ3	558	WCTACRWKKACQRFI
3283	Q9ERQ3	559	CTACRWKKACQRFID
3284	Q8K310	245	ETSHNYHKFDSEYER
3285	Q8K310	391	QGPRHMQKGRVETSR
3286	Q8K310	409	IMDFQRGKNLRYQLL
3287	Q8K310	433	SNHLILNKINEAFIE
3288	Q8K310	473	VRVHLSQKYKRIKPP
3289	Q8K310	565	WFQGRVCVKVDLSEKY
3290	Q8K310	701	PSDKAVKKDPSASAT
3291	Q8K310	769	DGQNDENKEDYTIPD
3292	Q8K310	831	PHYQKLKFLNKLAE
3293	Q8CIN4	191	APRPDHTKSIYTRSV
3294	Q8CIN4	287	INLQKQPKKELINE
3295	Q8CIN4	288	NLQKQPKKELINEI
3296	Q8CIN4	299	INELVMKELKNPNI
3297	Q8CIN4	302	ILVMKELKNPNIVNF
3298	Q9Z110	282	PPGSDDAKLIDIFYP
3299	Q9Z110	300	QSVTFGTCSRVLGG
3300	Q9Z110	605	TRLVRDSKCEYPAAC
3301	Q9Z110	649	VKIHAGPKFASYLTF
3302	A2BE92	14	SAILPQPKKPRPAAA
3303	A2BE92	74	KVEQKYNKLRQPFQ
3304	A2BE92	89	KRSELIAKIPNFWVT
3305	A2BE92	131	VTEFEDIKSGYRIDF
3306	B1ATZ0	179	QFGVVTRKHHCRACG
3307	B1ATZ0	192	CGQIFCGKCSSKYST
3308	B1ATZ0	338	NRNYWEKKQEARKS
3309	B1ATZ0	422	STFVNRMKSNHMRGR
3310	B1ATZ0	471	YYEGLQDKLAQIRDA
3311	Q62446	187	LTMSKGEKARLEIEP
3312	P63158	44	NFSEFSKKCSERWKT
3313	Q6P5D8	126	PHYDTLVKSGMYEYY
3314	Q6P5D8	192	NGRGMTSKQLNNWAV
3315	Q6P5D8	204	WAVYRLSKFTRQGDF
3316	Q6P5D8	575	EKHDKQIKFTLFKGI
3317	Q6P5D8	1054	EQKAIQIKHQDEVTW
3318	Q6P5D8	1160	KCELKGGKTVQMGQE
3319	Q6P5D8	1323	QQHKTDDKGRANLGV
3320	Q6P5D8	1359	TIEGPTIKLTIIPDP
3321	Q6P5D8	1414	NPTRISMKMWKLSSG
3322	Q6P5D8	1457	REKTIPNKVGAYCIQ
3323	D3YW43	131	LLQAPPLKRWIKSVQ
3324	D3YW43	149	ALFHRDPKQVTWNNK
3325	Q3UQ44	726	GNVDSVVKIQSWFRM
3326	Q3UQ44	751	LYFEDHKNEIVKIQ
3327	Q3UQ44	855	HRKKNLKKKGGEIEI
3328	Q3UQ44	1305	SLMIKTKKLIIDVTR
3329	Q3UQ44	1392	GHVSSKNKYQDILNE
3330	E9QA16	399	ERAEFLNKSVQKSGV
3331	Q9WVA4	171	DNQLQEGKNVIGLQM
3332	Q02053	226	AMVSMVTKDNPVVVT
3333	Q02053	322	FVMTDFAKYSRPAQL
3334	Q02053	374	ARSPPSVKQNSLDED
3335	Q02053	416	VMKACSGKFMPIMQW
3336	Q02053	746	APFWSGPKRCPHPLT
3337	Q02053	851	MYPIDFEKDDDSNFH
3338	Q02053	911	LVCLELYKVVQGHQQ
3339	D3YW66	121	HICNMCKAFRRMQV
3340	D3YW66	409	STAAFNGKDLDYGLC
3341	D3Z494	107	KGSILSSKYTFDLAW
3342	A2AAW9	90	YANAKIYKLDLDDPSCP
3343	A2AAW9	229	IPISAQLKYNIEVVC
3344	Q8K4H1	129	VAYDIAPKGTLDQMV

3345	Q6PB44	70	EGCSVLRKYLGLHY
3346	Q6PB44	238	GRIQKDWKLLVQMKI
3347	Q6PB44	390	MLAKIEDKNEVLDQF
3348	Q6PB44	950	YTYSIGTKQHLLTGPL
3349	Q6PB44	1276	IARCYSLKNRHQDVM
3350	E9PUM4	1656	LITSIIRDKAPGQREC
3351	E9PUM4	2116	DPSMYQLKGAAKVMV
3352	D3YUQ9	10	TNFLAHEKIWFDFKF
3353	D3YUQ9	17	KIWFDFKFYDDAERR
3354	D3YUQ9	59	RARENIQKSLAGSSG
3355	A1EGX6	430	DEVFEEYKPPIEEEV
3356	D3YWC0	43	KKVGKAPKSACGVCP
3357	D3YWC0	72	LMRLSKTKMQVSRAY
3358	E9PV95	301	NP LIYGVKTKQIQER
3359	E9PV95	303	I IYGVKTKQIQERVV
3360	Q99KJ8	296	GKVNEIAKHKASVED
3361	Q99KJ8	309	EDADTQNKVHQLYET
3362	Q8BYL4	291	AVWLNREKTSPEFELY
3363	Q8BYL4	333	HIMQLHVKEPEKRVA
3364	Q8BYL4	458	KNGLSLLKIGKRNFI
3365	Q5F201	90	QVTFMGFKADILWD
3366	Q5F201	397	ISAWDDGKIRAFAPF
3367	E9QA57	562	WGLPLMVKKSKYTFC
3368	E9QA57	1223	KKHKGQEKSLAKGCS
3369	Q61102	656	GAMRDVVKHRTSIFI
3370	Q61102	745	EEIVNSVKGCNCSC
3371	P41105	47	YNGLIHRKTVGVEPA
3372	P41105	99	STRHMIRKNKYRPDL
3373	Q922Q8	108	PVSFAQLKNLKWLDL
3374	Q922Q8	135	AGDCLDEKQCKQCAN
3375	Q922Q8	138	CLDEKQCKQCANKVL
3376	Q922Q8	207	RKEYDAQKASKREQE
3377	Q922Q8	228	ANQAPKSKSGSRPRK
3378	F6QPR1	102	MLGEALSKNPGYIKL
3379	O55142	45	ETEFYLGKRCAYVYK
3380	O55142	54	CAYVYKAKNNTVTPG
3381	Q5XJY5	63	YVYQPMKLYMVLIT
3382	Q5XJY5	277	NMESVHMKIEEKITL
3383	Q5XJY5	476	QVSFISKKNYCNIQV
3384	Q3URE1	89	ICRLQGCKVGDLEQE
3385	Q3URE1	181	VYHGATEKPTEQPVE
3386	Q3URE1	234	VHSAWTKNDVILHV
3387	Q3URE1	460	TGDTAVFKDARYWIR
3388	P70168	73	TSKDPDIKAQYQQRW
3389	P70168	346	DDWNPCKAAGVCLM
3390	P70168	730	AIGGEFCKYLEVVLN
3391	A2A654	410	DHCRVCHKLGDLLCC
3392	A2A654	450	CEVCVAHKVPGVTDC
3393	A2A654	501	DTDNENEKVVWYYST
3394	A2A654	509	KVWYYSTKVQLAELI
3395	A2A654	552	VTEDLTNKARGSNKS
3396	A2A654	633	EEEPGHGKPEEPTFV
3397	A2A654	798	RLRNPEKSLSQLKSQ
3398	A2A654	876	TNSFALNKHQHREDF
3399	A2A654	970	ALLECAVKPVVMLPI
3400	A2A654	1021	MQQATWVKYTFPVKH
3401	A2A654	1067	RKPLDGAKNNTDENK
3402	A2A654	1087	RKSPRSPKMKTECD
3403	A2A654	1180	FHLRTSYKKKTKSSK
3404	A2A654	1475	STENCEDKLQGVTE
3405	A2A654	1538	NKFQINGKDSKAKGY
3406	A2A654	1845	FVTKSSKKSIFVLPN
3407	A2A654	2051	KKRLEQQKPAVIAAS
3408	A2A654	2694	VMKYILDKIDKEEKQ
3409	Q91YQ5	107	EVRETKIKGKSGRFF
3410	Q91YQ5	177	KTQTMRVKLASRNVE
3411	Q91YQ5	216	AYSQDTFKVHYENNS
3412	Q3TC93	215	PLGIMRSKPKKRPE
3413	Q9R1G6	21	HKSSGLQKLVREHET
3414	Q9R1G6	67	IVAVLAVKIFQYSQH
3415	Q9R1G6	98	MQRDFNLKEEMLTNK
3416	Q9R1G6	153	YWFCYSTKCYFIMN
3417	Q9R1G6	161	CYFIMNKTWWSGCK
3418	Q9R1G6	208	IGLSYDKKKKEWAWI
3419	P19096	1455	GLVNCLRKEPGGHR I
3420	P19096	1545	RWVSSPLKHTQPSS

3421	P19096	1920	IRTGYQAKHIREWRR
3422	P19096	1988	FQDVNKPKNYNGTLNL
3423	P19096	2347	YTQSYRAKMTPGCEA
3424	P19096	2419	AAVSFYHKLRAADQY
3425	P19096	2464	LSQVCDGKVSVHIE
3426	Q4VA36	99	HLASPEHKKATNKFV
3427	Q4VA36	110	NKFWWENKANAMKKE
3428	Q4VA36	131	QDYARFKKSMVKGLD
3429	Q9ERE3	10	RDCIMDYKESCPSVS
3430	Q9ERE3	376	MYDNILHKKPLNLRPG
3431	Q9ERE3	430	SWTDLVQKKIPPPFN
3432	F6TIL5	47	CSAIQKKKTNSSTNK
3433	Q9Z2E1	220	TGKMMPSKLQKNKQR
3434	Q9Z2E1	223	MMPSKLQKNKQRLRN
3435	Q9Z2E1	225	PSKLQKNKQRLRNDP
3436	Q9Z2E1	261	IFKQPVTKFTNHPSN
3437	G5E8U2	10	RRKQEQPKRLPSHVS
3438	G5E8U2	415	CARKDNLKSHMKVHQ
3439	G5E8U2	707	EKTEPLQKLPEGRVP
3440	G5E8U2	808	GNGLP5WKFNDQLFP
3441	G5E8U2	919	HMSLHVDEQWWMFSI
3442	G5E8U2	1026	VFCNFVCKTKNMFER
3443	Q3U2G2	135	TAESVLKPPVDCVV
3444	Q3U2G2	422	SDCEVFPKNHAAPFS
3445	Q3U2G2	633	YVYEMRDKLSGEYEK
3446	Q3U2G2	713	KQIQQYMKVISSFKN
3447	Q8R2P8	105	LDPNQYYKIRSQAVQ
3448	Q8R2P8	308	IPGGAVAKPFITYHN
3449	P35564	138	AISAKLNKPFLLFDTK
3450	P35564	508	LFCCSGKKQSNAMEY
3451	A2AGT5	39	LKIFQKIKDEKSPREW
3452	A2AGT5	42	FQKIKDEKSPREWSKY
3453	A2AGT5	212	NINSVQLKELEEEVW
3454	A2AGT5	408	VLAVMDNKNPTIKQQ
3455	A2AGT5	727	MSMAFSQKNPKNQSE
3456	A2AGT5	744	NWLSNAIKFEFGFSEL
3457	A2AGT5	761	KAFISNVKTALAATN
3458	A2AGT5	878	DKNWKIRKEGLDEVA
3459	A2AGT5	1037	RNGDVRKKAQDALPF
3460	A2AGT5	1089	SKPAAPAKAMSKPMG
3461	A2AGT5	1093	APAKAMSKPMGGSAP
3462	A2AGT5	1297	FIPYLILKVGEPKDV
3463	A2AGT5	1573	EVLRFQEDKAEAMSGH
3464	A2AGT5	1604	STHMADEKLDKDEII
3465	A2AGT5	1761	EFPIRTLKTLHLTL
3466	A2AGT5	1774	LCKLKGPKILDHLTM
3467	A2AGT5	1799	AHLCRMKHSMDQTG
3468	A2AGT5	1894	IEMERESKGRIPST
3469	A2AGT5	1940	SVYLERLKLRLRQRCG
3470	P11983	247	SLQKTKMKLGVQVVI
3471	Q80VN4	251	YKCEECGKAFHISSF
3472	Q80VN4	270	KIHRGKPYKCEVC
3473	Q80VN4	499	GEKPYKCKEKGKAFR
3474	Q80VN4	566	QAFHVPSKLSHHKII
3475	Q80VN4	605	HKLIHTGKKPYKCEV
3476	Q80VN4	628	SRLFSHTKMHTGKEP
3477	Q80VN4	715	PKHKKIYKREKPYNC
3478	D3YW87	159	EDDEDARKQTPKQRL
3479	D3YW87	1368	LEGGLVNKANRFTVE
3480	D3YW87	2163	TERTEISKTRGGETK
3481	D3YW87	2515	VTIDGPSKVQLDCRE
3482	D3YW87	2630	SFTVDCSKAGMFHPR
3483	J3QK72	8	MSKSESPKEPEQLRK
3484	J3QK72	166	VDKIVIQKYHTVNGH
3485	Q7TPV4	42	DFWWDIAKPDQETRL
3486	Q7TPV4	366	EGCQDDPKRQLTMMV
3487	Q7TPV4	606	LVGLHIFKSPAESCD
3488	Q7TPV4	712	VTDDADEKQLQHGED
3489	Q7TPV4	728	DSDNEDNKNSESDMD
3490	Q7TPV4	1153	QRPKSEKKNAKDIPS
3491	A2AMW0	156	SGRTAHYKLTSTVML
3492	Q9D8N0	173	CTLLWLKYQVLEPSF
3493	Q9D8N0	316	YFWEHFDDKDGWLSWY
3494	P61161	106	NIDTRNCKILLTEPP
3495	P61161	219	TVRMIKEKLCYVGYN
3496	P41731	117	QVKSEFNKSFQQQMQ

3497	Q8BP67	60	VLYRRKHKKGQSEEI
3498	B7ZCT3	127	NYFLCGFKGIQEHLFG
3499	O35691	156	MGTLQKFKQESTVAT
3500	O35691	227	EWNEHNAKIIKYIRT
3501	O35691	436	EFDVEPDKECKSLSP
3502	O35691	439	VEPDKECKSLSPGKE
3503	O35691	661	HRRSMDRKRDRDTSGL
3504	G3UZJ6	18	IRHNKDRKVRREPK
3505	G3UZJ6	36	IYLRLLVKLYRFLAR
3506	Q922H2	230	FNAKAPNKPIQVVYV
3507	Q922H2	374	ERLPVFNKSAWRHYK
3508	Q922H2	381	KSAWRHYKTTPEADD
3509	Q5SQB0	27	GCELKADKDYHFKVD
3510	O08553	398	VFNLYPRKGRISVGS
3511	Q9D0D3	145	TEAAIPFKSRFLNLR
3512	Q9D0D3	263	TGKLDVHKNTGNFFM
3513	Q9D0D3	458	FGNFANKNNSINIRQ
3514	D3YZY0	69	KRGILTLKYPIEHGI
3515	P09041	97	NKDVIFLKDCCVGPV
3516	Q60598	70	FQEHQTLKEKELETF
3517	P40142	144	YTGKYFDKASYRVYC
3518	P40142	204	HQVDIYQKRCEAFGW
3519	P40142	497	GQAKVVLKSKDDQVT
3520	P63276	103	IEVDPDTKEMLLLD
3521	A2A9Q2	102	VGDPETIKSPSDPKQ
3522	A2A9Q2	240	LTDRLWFKSSYSKMS
3523	A2A9Q2	435	ETLKHEPKKNNIDTH
3524	A2A9Q2	613	QYLKMLQKLGPEKRV
3525	A2A9Q2	724	NSWTELWKSDFLNP
3526	A2A9Q2	773	AQGCLWYKKNKFKI
3527	A2A9Q2	782	DNKFKIPKAYIRPHL
3528	A2A9Q2	796	LISPLIQSAANVVL
3529	D3YU75	130	TPFMIFFKDGLEMEK
3530	Q14C51	267	TMIRGMVXHRAYAQA
3531	Q14C51	320	NDILDLLKHMVAQKV
3532	Q14C51	339	QTFNTILKGLRKCY
3533	Q14C51	517	PQIWKDSKEYSHTFR
3534	Q9D964	297	RVHII SFKDPNPMHI
3535	P18155	143	PEHIDERKVCNAVSP
3536	P18155	300	VDFEGVKKKAGYITP
3537	Q3UHH1	46	QNWWRGWRKQSAGPNS
3538	Q3UHH1	147	LFRMRAVKDPLQIGF
3539	Q3UHH1	359	SIVREMFKRRDSNAA
3540	Q3UHH1	805	LANPPDLKVEPPPAK
3541	E9Q3P9	61	QVDGKTIKAQIWDTA
3542	P57780	141	EIVDGNAMTLGMIW
3543	P57780	605	IAESNHKLSGNSPY
3544	P57780	623	TPQIINSKWEKVQQL
3545	Q8BP47	396	NPNFKPPKRPFRMN
3546	Q8BP47	456	CRFPVEIKSFYMQRC
3547	D3YYM6	63	YAAKRFRKAQCPIVE
3548	B0V2N5	12	EKQLLFSKACRFPCP
3549	B0V2N5	46	PKFGFGPKISNAVQG
3550	B0V2N5	219	KGKGTDRDKVLIRIMV
3551	B0V2N5	262	DTKGDYQKALLYLCC
3552	P47962	8	MGFVKVVKNKAYFKR
3553	P47962	10	FVKVVKNKAYFKRYQ
3554	P47962	41	KRLVIQDKNKYNTPK
3555	F8WIR1	251	MLGGTDSKYHHGELS
3556			