

Peptides that are most often in Human Proteome	
MW	Peptides
142.07	AA
144.05	GS
154.07	PG
156.09	GV
158.07	AS
160.03	CG
168.09	PA
170.11	LG
171.06	NG
172.05	DG
172.08	TA
174.05	AC
174.06	SS
184.08	SP
184.12	AL
185.08	QG
185.12	GK
186.06	GE
186.1	VS
188.06	MG
188.08	TS
190.04	CS
194.08	GH
194.11	PP
196.12	PV
198.1	TP
198.14	VV
199.1	QA
199.13	KA
200.06	CP
200.08	EA
200.12	SL
201.07	NS
202.06	DS
202.08	MA
202.1	TT
204.06	TC
204.09	GF
208.1	AH
210.14	LP
211.1	NP
212.08	DP
212.15	VL
213.11	VN
213.12	GR
214.1	DV
214.13	TL
215.09	SQ
215.13	SK
216.07	SE
216.09	LC
217.05	CN
218.04	DC
218.07	MS

218.11	AF
220.08	GY
224.09	HS
225.11	PQ
225.15	KP
226.1	PE
226.17	LL
227.13	NL
227.14	RA
227.16	KV
228.09	NN
228.11	DL
229.07	DN
229.11	TQ
229.14	KT
230.05	DD
230.09	TE
230.11	MV
231.07	CQ
231.09	SSG
231.1	KC
232.05	EC
232.09	MT
234.1	FS
234.11	HP
236.13	VH
238.11	HT
239.13	PAA
240.07	HC
241.11	PGS
241.14	LQ
241.18	LK
242.1	QN
242.13	LE
242.14	KN
243.09	EN
243.1	GW
243.12	KD
243.13	SR
244.07	ED
244.12	FP
245.08	MN
245.1	ASS
246.07	MD
246.14	VF
248.12	TF
250.08	FC
250.1	YS
250.14	HL
251.1	NH
251.13	PGP
252.09	DH
253.14	VPG
253.15	PR
255.12	SPA
255.16	AAL

255.17	RV
256.12	QQ
256.15	QK
256.19	KK
257.1	QE
257.12	WA
257.14	EK
257.15	RT
258.09	EE
258.1	NGS
259.08	DSG
259.1	QM
259.11	CR
259.12	TAS
259.14	MK
260.08	ME
260.12	PY
260.15	FL
261.08	CSA
261.1	SSS
261.11	NF
262.1	DF
262.13	VY
264.11	YT
265.12	HQ
265.14	PAP
265.15	KH
266.07	YC
266.1	EH
267.16	LPG
268.1	HM
268.12	GNP
269.1	PDG
269.14	TPA
269.17	VLG
269.19	LR
270.13	QAA
270.14	RN
271.12	SSP
271.13	RD
271.15	LAS
272.11	SQG
272.15	GKS
273.1	SGE
273.11	SW
273.13	VSS
274.12	HH
275.09	MGS
275.11	TSS
275.13	FQ
275.16	FK
276.11	EF
276.15	YL
277.11	NY
278.09	DY
278.11	MF

281.11	HSG
281.14	PSP
281.17	LPA
282.13	PQG
282.17	GKP
283.12	PEG
283.13	PW
283.15	PVS
283.19	LLG
284.13	HF
284.15	AAAA
284.16	QR
284.18	GKV
284.2	RK
285.11	GGGGG
285.13	STP
285.14	ER
285.15	WV
285.17	TAL
286.13	SQA
286.16	SKA
287.11	TGE
287.13	TW
287.14	RM
287.15	SSL
288.11	NSS
289.07	ECG
289.09	SDS
289.11	MAS
289.13	TST
291.12	YQ
291.16	KY
292.11	YE
293.16	HR
293.17	PVP
294.1	MY
294.14	FF
295.13	HTG
295.15	PTP
296.15	PQA
296.18	PKA
297.13	PEA
297.17	LSP
297.21	LLA
298.13	SNP
298.16	LQG
298.18	AAR
298.2	LGK
299.11	PDS
299.12	QNG
299.13	MAP
299.15	LEG
299.16	WL
299.18	SVL
300.11	ENG
300.12	HY

300.14	DGK
300.15	GSR
300.18	KAT
301.09	EDG
301.11	WD
301.13	TEA
301.15	MGL
301.16	STL
302.12	SSQ
302.16	SSK
303.11	SSE
303.13	SCL
303.17	FR
305.14	AFS
307.16	GHL
307.19	LPP
309.21	PVL
310.13	YF
310.16	NPV
310.18	RPG
311.15	PDV
311.18	TLP
311.22	VLV
312.14	SQP
312.18	LQA
312.19	GRV
312.2	RR
312.22	KAL
313.13	SPE
313.14	QGQ
313.15	CLP
313.16	EAL
313.18	QGK
313.2	SLL
314.12	QEG
314.14	WQ
314.16	GEK
314.17	WK
314.2	KVS
315.11	EEG
315.12	WE
315.14	DLS
315.16	MAL
315.18	TLT
316.1	NSD
316.12	CVN
316.14	TSQ
316.17	KTS
317.1	MEG
317.12	WM
317.14	PGY
317.17	FLG
318.1	CSQ
319.08	CSE
319.12	DFG
319.15	AFT

319.16	YR
321.13	SFS
321.18	HLA
322.16	QPP
323.15	PEP
323.22	LLP
324.18	LNP
324.19	PRA
324.22	KPV
325.14	THS
325.16	LDP
325.24	VLL
326.13	YY
326.16	QTP
326.2	LVN
326.21	RGL
327.14	TPE
327.15	QAQ
327.18	VLD
327.19	QKA
327.22	TLL
328.14	QEA
328.15	RDG
328.17	SLQ
328.19	RTA
328.21	SLK
329.12	EEA
329.13	QNS
329.16	SLE
329.17	KNS
329.18	LLC
330.12	ENS
330.14	MAQ
330.15	KDS
330.17	SRS
331.1	SED
331.12	MAE
331.15	FSP
331.16	MLS
331.19	AFL
332.12	MNS
332.15	AFN
333.13	EGF
333.15	FW
333.17	VFS
335.15	TFS
337.18	SHL
338.2	LQP
338.23	KPL
339.15	THT
339.18	LPE
339.25	LLL
340.14	PEN
340.17	DPK
340.19	SPR
340.21	NLL

340.22	ALR
340.25	KVL
341.12	PED
341.17	NLN
341.18	QGR
341.2	LLD
341.21	VKN
341.22	RKG
342.15	ENV
342.17	GER
342.18	WR
342.19	TLQ
342.2	VSR
342.23	KTL
343.14	EDV
343.15	SQQ
343.17	ETL
343.19	SQK
344.13	SQE
344.15	CLQ
344.17	SKE
344.18	SRT
344.19	CLK
345.12	SEE
345.14	CLE
345.17	TFP
346.09	NEC
346.13	SQM
347.12	MES
347.15	EAF
347.18	SFL
347.2	HLP
348.14	NFS
348.18	PGPP
349.13	DFS
349.14	YW
349.16	TFT
349.21	HLV
350.21	PRP
351.19	IHT
352.15	HSQ
352.17	PSPA
352.22	VPR
353.13	HSE
353.17	QPQ
353.21	QKP
354.15	PQE
354.19	EKP
354.2	RTP
354.23	LLQ
354.26	LLK
355.14	PEE
355.19	LQN
355.2	AQR
355.21	LLE
355.22	LKN

355.23	RKA
356.17	LEN
356.18	REA
356.21	LKD
356.22	SLR
357.13	ENN
357.14	PEM
357.15	EDL
357.16	NKD
357.18	RNS
357.2	QKT
357.21	PFL
358.11	NED
358.15	TQE
358.16	RDS
358.17	MLN
358.18	VGR
358.19	EKT
359.13	TEE
359.14	QSSG
359.15	MDL
359.22	VFL
360.13	SGSE
360.15	CKE
360.16	TCR
360.18	FVN
361.16	VDF
361.2	TFL
362.16	FSQ
362.2	KSF
363.14	FSE
363.18	SYL
363.23	LHL
364.19	HLN
364.21	PGLP
365.14	MAY
365.17	HLD
366.23	LVPG
366.24	LPR
367.2	RNP
368.17	SPSP
368.21	LSPA
368.24	LLAA
368.25	RVL
369.16	SPGQ
369.2	LQQ
369.21	RNV
369.22	RGR
369.24	LQK
369.27	LKK
370.15	PSGE
370.16	QQN
370.19	LQE
370.2	RDV
370.22	LEK
370.23	TLR

371.14	QEN
371.16	FSH
371.17	LEE
371.18	KEN
371.19	SQR
371.22	KDK
371.23	SRK
372.13	EEN
372.16	EKD
372.18	SRE
372.19	LCR
372.2	ASLT
372.22	KPF
373.11	EED
373.16	FPE
373.17	EML
373.2	YLP
373.24	FLL
374.13	MEN
374.14	CRD
374.16	KDM
374.18	SSSL
374.2	FLN
375.18	DFL
375.22	VLY
376.14	NFD
376.17	TFQ
377.16	ETF
377.2	YTL
378.15	YSQ
378.19	KSY
378.2	HLQ
378.24	HLK
379.14	YSE
379.16	YLC
379.19	HLE
380.24	LPGL
381.2	PAAAA
381.21	QRP
381.25	PRK
382.19	TPSP
382.2	ERP
382.22	PATL
382.26	VLGL
382.27	RLL
383.18	PASQ
383.22	LQAA
383.23	LRN
383.24	RRA
383.26	RKV
384.16	SPEA
384.18	QQQ
384.2	SLSP
384.21	RDL
384.24	LASL
385.16	QQE

385.2	QEK
385.21	QRT
385.23	KEK
386.14	QEE
386.16	DRD
386.18	EEK
386.19	ERT
386.2	LSW
386.22	VSSL
387.13	EEE
387.14	FHC
387.18	NSSV
387.19	QMK
388.14	QEM
388.16	NHH
388.17	PYQ
388.18	MEK
388.2	SSTL
388.21	PPPP
388.25	FLK
389.2	FLE
389.23	YLL
390.15	ENF
390.19	KDF
390.2	FSR
391.17	DYL
392.17	TYQ
394.2	EKH
394.22	SLPP
394.26	LPAL
395.22	LQPG
396.2	TPTP
396.24	SLPV
396.27	LLLG
397.16	YFS
397.2	NSPV
397.21	HFL
397.23	LGNL
397.24	LQR
397.28	LRK
398.2	QNR
398.22	LLGD
398.23	LRE
398.25	LTAL
399.18	SSQP
399.19	REN
399.21	SLQA
399.22	RKD
399.23	RSR
399.25	KALS
400.16	EEAA
400.17	DRE
400.2	EALS
400.21	LTW
400.23	MLR
401.15	SQEG

401.17	HYT
401.19	SGEK
402.14	SGEE
402.16	MAAE
402.18	QHH
402.19	MASL
404.17	FQE
404.21	EKF
404.22	TFR
404.24	KYL
405.19	YLE
406.15	ENY
406.19	KDY
406.2	SYR
406.24	RIH
407.22	FFL
408.21	IHTG
409.2	VFY
409.23	QALP
410.22	PEAL
410.25	LLSP
410.29	LLLA
411.18	HHH
411.21	GEKP
411.25	LQGL
411.28	LKGL
412.2	LSPD
412.21	LQNG
412.22	QQR
412.23	LEGL
412.24	LKNG
412.25	QRK
412.27	LSVL
412.29	KRK
413.19	LENG
413.2	QER
413.21	LHY
413.23	ATLQ
413.24	REK
414.18	EDVA
414.19	EER
414.21	EATL
414.23	LPGF
414.25	SLLT
415.17	HFM
415.19	TWQ
415.21	TGEK
415.24	RKM
416.15	EEAS
416.17	TWE
416.19	SSLE
416.21	LSCL
416.25	FLR
417.15	ENSS
417.17	ECGK
418.19	FSSP

418.22	AFLS
419.18	YQQ
419.22	QKY
420.16	YQE
420.18	FSW
420.2	EKY
422.2	HER
423.22	YFL
423.25	LNPV
423.26	LRPG
424.17	HTGE
424.21	SSHL
425.23	PSLQ
425.26	LQAL
425.29	LRR
425.3	LKAL
426.21	LSPE
426.22	AAAAAA
426.25	RRN
426.26	ALKN
426.28	LLSL
427.17	TYT
427.21	GLQE
427.22	QWL
427.24	LSNL
427.25	SALR
427.28	KVLS
428.17	MAPE
428.19	EELG
428.2	ENGK
428.21	EWL
428.23	LDLS
428.24	KDGK
428.25	GSRK
429.19	EDGK
429.2	WKD
429.22	SQLT
430.17	TAEI
430.19	FPEG
430.21	SLTE
430.22	HHR
430.26	GFLI
431.17	SSQE
431.18	CEKA
431.2	HFF
431.22	FGNL
432.2	DFGL
432.24	AFLT
432.25	RYL
434.18	EAFS
434.22	FSSL
436.21	QGPPG
437.26	LNPL
438.22	SHLT
438.23	KYF
438.25	PEVL

439.21	LYY
439.24	QTLP
439.28	LVNL
439.29	GRLL
440.23	RHF
440.24	LQAQ
440.25	GNLR
440.26	RRQ
440.27	ALQK
440.3	RRK
441.19	SPQE
441.22	LQEA
441.23	S RTP
441.24	RER
441.26	LQSL
441.27	ATLR
441.3	LKSL
442.21	LEEA
442.22	QNLS
442.23	QWK
442.24	SLLE
442.25	KGEK
443.17	DVND
443.18	WEQ
443.2	LQDS
443.21	TGER
443.22	WKE
443.24	MRR
443.25	RSLS
444.19	SLED
444.2	MEAL
444.24	SFLP
445.18	PSSSS
445.2	SWTA
445.22	EKTS
445.23	PPGPP
446.18	FSPD
446.22	LADF
446.25	YVAI
447.18	KCSE
447.21	GKDF
447.22	YRQ
448.2	VDFS
448.21	YRE
448.23	FSTL
450.19	YWT
450.26	LSHL
451.22	NSHL
451.28	LQPL
452.24	LTTH
453.22	PENL
453.26	DLKP
453.27	LSPR
453.3	LQVL
453.31	LRAL
454.22	KYY

454.25	LNNL
454.27	RLQG
454.28	LLLD
454.29	LKNV
455.24	LQDV
455.25	EGLR
455.26	WLR
455.27	LQTL
455.29	SVLR
456.2	QQEA
456.22	HYR
456.23	SQLQ
456.26	LETL
456.27	EKAK
457.18	QEAE
457.22	SLQE
457.23	TREA
457.24	LQCL
457.25	SLKE
457.26	RTLS
458.18	QENS
458.2	SLEE
458.21	KENS
458.22	SRSQ
459.16	SEEN
459.18	LENC
459.2	DSEK
459.21	SSRE
459.22	LQSM
459.23	TEKT
459.25	PPPPA
460.2	FSPE
460.23	LEAF
460.27	LSFL
461.19	FQEG
461.23	NLSF
461.24	FWK
462.21	SFLD
465.23	SHLQ
466.22	SHLE
467.24	PELQ
467.27	LKPE
467.31	LQLL
468.23	KPEN
468.27	LQNL
468.28	RLQA
468.31	LKNL
469.22	DPEK
469.23	SPER
469.25	LENL
469.26	EALR
469.29	LKDL
469.3	LRSL
470.21	WFH
470.22	GQER
470.24	LEDL

470.25	QTLQ
470.26	SLRN
470.29	FLLP
471.2	DLEN
471.21	ERGE
471.23	ETLQ
471.24	LRDS
471.25	NPFL
471.27	ETLK
472.19	SQEQ
472.21	CQQL
472.23	SQKE
472.24	VMLE
473.18	SQEE
473.19	DRDS
473.21	SKEE
473.23	LSSW
474.21	METL
475.21	FQEA
475.24	SFLQ
475.28	SFLK
476.23	SFLE
476.26	IYSL
477.19	SFQD
477.22	LSYN
478.25	HLDL
479.25	LTQH
480.28	LRNP
481.25	PSSLP
482.25	QEKP
482.29	LQQL
482.3	RNLV
482.32	LQKL
483.23	EEKP
483.24	RTPE
483.27	LQEL
483.28	EVVR
483.31	LEKL
483.32	LRTL
484.23	ENLQ
484.24	EAQR
484.25	LEEL
484.26	ENLK
484.28	SRLQ
484.3	DLKK
484.31	SLRK
485.21	EELN
485.22	EAER
485.23	RQNS
485.25	EDLK
485.26	PPPPP
485.27	LQML
485.28	LRCL
486.2	EEEV
486.21	DKEN
486.22	ENSR

486.24	TKEQ
486.26	SRKD
486.28	KTKE
487.19	TQEE
487.21	MLEN
487.23	TEEK
487.24	TTER
487.25	RPSF
487.26	SLSSL
487.28	KPYV
488.19	PEDF
488.22	TGTQT
488.26	LDFL
489.19	KCEE
489.22	DFLN
489.26	KPYT
491.2	FSQE
491.24	EKSF
492.22	CGKGF
492.27	LEHL
493.23	RSYS
495.27	VTPTP
496.23	SVFY
496.26	GPKVD
496.3	LQAAL
496.31	LRNL
497.25	TPTPT
497.26	AAAAAAA
497.28	QRGR
497.3	DLLR
497.32	GRRK
498.24	QLQE
498.26	DLRN
498.28	WRR
498.29	TLQR
498.32	LKEK
499.23	LQEE
499.24	DLRD
499.25	QRSQ
499.26	ELEK
499.28	ETLR
500.22	EKEN
500.24	YLHS
500.26	KDKE
500.27	EKSR
501.21	EEDK
501.22	SREE
501.23	EMLQ
501.24	RDVM
501.26	EKPF
501.3	LPPPP
502.2	ENCR
502.22	EMKN
502.24	YPEL
502.25	GPPGPP
503.22	LSSSE

503.24	LENF
503.27	DFLK
503.29	FRSL
505.22	FTQE
505.25	EKTF
507.28	HLKE
509.28	APEVL
510.24	GSTAPP
510.28	DLKGP
510.32	VLQGL
510.33	LQRL
511.28	ALQAA
511.29	QRNL
511.3	RRAQ
511.31	LREL
511.32	LRNK
512.26	TGEKP
512.27	RLQD
512.3	LASLQ
512.31	RDLK
513.24	EDVAV
513.25	LDRE
513.28	RRNS
513.29	EKQK
513.3	TQRK
514.24	QEEK
514.25	RETQ
514.28	EKEK
514.29	TREK
515.22	EEEK
515.23	EETR
515.24	WELS
515.25	REVM
515.26	LQHH
516.22	DLSSN
516.24	ECGKV
516.25	ECRK
516.27	QPPPP
517.22	EEMK
517.25	EKPY
517.29	FLKE
518.25	DFQK
519.23	LENY
519.27	KDYI
522.28	VLFY
524.26	LFYT
524.3	EGLPK
524.33	LQGLL
525.3	QRLQ
525.32	RRGR
526.24	YYSL
526.28	SQPTI
526.29	EQLR
526.31	NLVSL
526.32	EKLR
527.25	RNQE

527.26	FSHR
527.27	EELR
527.28	RNKE
527.31	GFLLP
528.22	EPSSQ
528.23	EENR
528.25	TQTPT
528.27	DREK
528.28	RSRE
528.29	TGEKL
529.24	LSAEE
529.25	QSSNL
529.26	ERPF
529.27	MERL
529.29	HRVH
530.23	HQHQ
530.25	SWKE
531.27	LGPYT
532.23	QEFQ
532.26	EFQK
532.3	KEKF
533.25	YQEL
533.26	DRYV
533.28	EKLY
535.28	QLFF
538.28	YVLY
538.31	VVPSG
538.35	LQALL
539.27	KTYF
539.31	LQAQV
539.33	RNLR
540.25	LSPEN
540.27	TGERP
540.29	IALNE
540.3	EAARL
540.31	DLRR
540.33	KLLEG
540.34	LLWK
541.25	SYVK
541.26	EQQR
541.27	RNRD
541.29	WELL
541.3	EKQR
541.31	QRRT
541.33	EKRK
542.23	ALNED
542.25	EYLH
542.27	VLQDS
542.28	EKER
542.29	ETRR
542.31	LSQLT
543.23	EEER
543.25	LDLSD
543.27	RRCQ
543.3	HRLH
544.23	WTAAD

544.25	ERCR
544.29	TMRR
544.3	GVKPY
545.23	EMER
546.28	LYVNG
547.26	AIEFS
547.28	LYRD
548.26	KYQE
549.24	KYEE
551.27	PPPPY
551.31	KYFL
552.27	HTGEK
552.29	LLYY
553.25	KDYF
553.29	YVYK
553.32	LQALQ
554.27	PTPTGT
554.31	LQEAL
554.32	DGRLL
554.34	KRRN
555.27	TYKY
555.28	QWLQ
555.29	ERNR
555.3	RGWR
555.31	SRLQA
555.34	RRRS
556.25	LDVND
556.26	WIEQ
556.29	LQDSL
556.3	PPPPPA
556.32	RPRF
557.24	ENGKE
557.26	EKHY
557.27	SLEDL
557.28	DKGEK
557.29	NRRM
557.32	LVPFT
558.23	VDDTQ
558.26	SWRE
558.28	GEKPF
559.26	ELGPY
560.26	GDKPY
560.3	FKDVA
560.31	RYLQ
562.28	RFRC
566.31	PEVLQ
567.27	EKFY
567.34	GAVVAAV
568.3	AAAAAAAA
568.32	RRQQ
568.33	LEGLR
568.36	KQRR
569.28	QALQE
569.29	NDRLA
569.32	LSQLQ
569.33	TLQRA

569.35	RRRT
570.26	QELEA
570.28	YFFL
570.3	EALKE
570.31	EATLR
570.32	WVLTA
570.34	SLLEK
571.26	EQGKE
571.28	NAWLS
571.29	TWQR
571.3	MRRQ
571.31	RRCR
572.24	GEKEE
572.26	EEWK
572.28	EKDSL
572.3	PPPPPS
573.28	YPAEI
574.24	SDVWS
574.28	GEKPY
574.31	YIALN
576.25	YLENG
576.27	EQRY
576.29	GKDYI
581.28	LFYGT
581.32	LKPEN
581.35	GIVAGLA
582.31	VETRP
582.34	LENLL
582.35	RGRGR
582.37	LKDLL
583.3	QDLLN
583.31	LQRAD
583.32	RSRSP
583.33	DRRR
583.34	SLRNL
584.28	LNEDL
584.29	ALDRE
584.3	AGKRDG
584.32	TLQEL
584.33	LNPFI
584.35	LETLK
585.28	TPTGTQ
585.29	KWEAA
585.31	EEKAK
585.32	LVMLE
586.26	QDTEL
586.28	VMLEN
586.3	SLKEE
586.31	TPPPPP
587.26	DVMLE
587.27	SRSQE
588.29	EKPYA
588.33	LNFTI
589.29	QFSNL
590.27	DTQFV
590.31	GEKLY

594.28	LQEHS
595.33	RRPW
596.33	FRRH
596.35	LQELL
596.36	RRRQ
597.28	SVFYT
597.29	TRPAGD
597.31	LEQQV
597.32	EQLRA
597.35	ERRR
597.36	RKALE
598.3	TPTTTP
598.31	EELRA
598.33	QRKW
598.34	LSREL
599.27	GEEQR
599.29	DTAAQI
599.3	ESLRN
599.31	PGPPGPP
599.33	KETLQ
599.34	MRRR
600.28	QLTEE
600.29	EDLRS
600.31	TTVTP
600.33	NPLIY
601.27	TAADTAA
601.29	SRSRD
601.31	EKEKS
602.25	NECGKA
602.27	YYLY
602.31	DPYVK
604.29	AVGYVD
604.3	DRYVA
604.32	KLTDF
606.26	LENYS
606.28	GGKGGSY
610.38	LDRLL
611.33	LQEQL
611.34	TREKP
611.36	LQEKL
612.29	LEQQN
612.31	LQEEL
612.32	AAQITQ
612.33	RNKDV
612.35	LELEK
612.36	RSRGR
613.27	LQEEN
613.31	EELNK
613.32	QPPPPP
613.34	EDLKK
614.27	EEAER
614.29	EDLEK
614.3	EELSR
614.31	DIWSL
614.34	ITLTW
615.27	DNAPAF

615.29	LLEEM
615.3	YPNAGL
615.31	SRSRE
615.32	KQCGKA
616.29	DMEKI
616.32	EKPYV
617.28	SSGGKGG
617.32	KIGDFG
618.3	EKPYT
619.3	CGRRF
622.31	FTLNF
623.33	FIYSL
625.34	QNRRA
625.35	ERVLQ
625.38	NRRAK
626.34	EKLQQ
626.35	LRNKD
626.38	KKLQE
627.29	QQLEE
627.3	NEDLR
627.32	ELEKQ
627.33	ETLQR
627.36	EELKK
628.28	AADTAAQ
628.31	ELEEK
628.32	KGEKGE
628.33	ERPFV
628.34	AEITLT
629.28	DRETQ
629.3	TQTPTT
629.32	TLTWQ
630.3	EKPFE
630.34	EKPYI
631.3	GEKPYG
631.33	KIADFG
632.28	YSPTSP
632.32	KDFLE
632.33	RAYLE
634.31	NPFYI
639.32	GLPSGEV
639.36	KAFRH
639.37	RGRGRG
640.32	STLTTH
640.33	DLAARN
640.34	EARRQ
640.35	LEELR
640.37	LRNKE
641.3	PLSQES
641.31	LDREQ
641.32	EEARR
641.34	RWLW
641.35	EDLRK
641.36	RLSRE
641.37	RKNRS
642.3	LDREE
642.32	GRDASR

642.33	NGKETL
642.34	KERQT
643.28	EQEEK
643.3	IWDTAG
643.32	EKEKE
643.33	EERKT
643.34	LRSWT
644.28	SAQGS DV
644.3	LGGGAGTM
645.31	EKPYQ
645.35	EKPYK
646.33	LEKEF
647.29	CKQCGK
647.33	GKDYIA
653.34	PTTPKE
653.37	AICRPL
654.33	CLGRAPG
654.34	QRLQE
654.37	GERRR
654.38	WRRR
655.32	TPTPTGT
655.33	QEERL
655.34	VTPMLN
655.35	VLQDSL
655.37	RKELE
656.31	EELER
656.32	NDRLAS
656.34	VCRQLG
656.35	GKETLQ
657.3	PGTSTVD
657.31	EEDRK
657.32	YFFLS
657.33	MERLQ
657.35	HQRVH
658.29	ENGKET
658.31	LEEMR
658.33	EPGYLV
659.29	TGVDAIC
659.31	GSDVSLT
659.33	HQRTH
661.31	SGEKPY
661.34	FLSNLS
667.39	KPDLIT
668.35	KLSPEN
668.36	AEQLRA
668.39	VLVKDN
669.33	KFYKC
669.34	RMEPR
669.36	LDRER
669.37	KLLEGE
669.38	AQTLQK
670.33	LENGKE
670.34	RKQEE
670.37	TITNLQ
670.38	EEKRK
671.31	EVLQDS

671.32	EEEKR
671.33	DIWSLG
671.35	ELSQLT
671.36	HQRIH
672.31	EKDGAAT
672.33	TELVET
672.34	EMQRK
673.29	LSQESE
673.31	TEMLQA
673.34	GEKPYV
675.32	TGEKPY
680.35	PQNDLL
682.37	LQEQLA
682.38	ERVLQG
682.4	LAEQLK
683.35	PVPTTST
683.36	RDVAIE
683.39	QRRSR
683.4	TIPKML
684.34	LEQGKE
684.36	TSVSRPG
684.38	RSRER
685.33	QDTELV
685.34	QNRRM
685.35	TLRWE
685.36	TLDLKD
685.38	NRRMK
686.32	TPTGTQT
686.34	GEKPFQ
686.36	EGTKAVT
687.32	GEKPFE
687.34	STLSTTP
687.36	NPLIYS
689.34	DYIALN
689.35	RAYLEG
696.36	PPGPPGPP
696.38	RRQQQ
696.39	GRGRGRG
697.36	TTVPTP
697.38	AEQLKQ
697.4	EKRRQ
698.32	QEQLAE
698.36	RDRDR
698.37	ETLQRA
698.38	EEKRR
698.4	LEEAKK
699.34	PMLNPF
699.36	ATLTNAAG
699.37	GEPRFI
700.34	DTAAQIT
700.35	NTTERV
701.32	MYFFL
701.34	LTETWA
702.37	GEKPYK
703.35	YIALNE
703.37	DRYVAV

710.4	ILELAGN
710.41	RLLEAQ
710.43	RRLRE
711.36	KYKYE
711.39	MQRKAP
711.4	FIIPGSP
711.43	LSRELL
712.34	THVTHH
712.35	PLHYTT
712.38	CPRLSR
712.39	LPGPPGPP
712.41	TKVVAVD
713.35	NAGLIMN
713.36	LSTTPVD
713.37	TAAQITQ
713.41	LNPLIY
714.35	KAEKEE
714.37	QLPVYN
715.35	LEPFQT
716.33	SPSSLSAS
716.35	LSSWTAA
717.37	CRRKSS
718.37	LGSNLSF
725.37	QLEQQV
725.41	VLVKDNG
726.35	QPTTTP
726.37	SAAAAAAAAA
726.39	RERER
726.4	TERVLQ
727.35	SSTLTTH
727.38	QRKWE
727.39	ELVETR
728.33	LPFCGPN
728.35	TSAPDTR
728.37	PSSLSASV
728.39	YPNAGLI
729.37	AEPGYLV
730.37	NVYIPGS
732.38	ITNLQY
733.38	EIATYR
739.39	LQLEQQ
739.42	RRSRSP
740.37	QLQEEL
740.38	LNEDLR
740.41	EWLRR
740.42	VGDRVTI
741.37	AADTAAQI
741.38	QQPPPPP
741.4	STKKAEP
741.41	TVVTPML
742.35	LHTPMY
742.37	FSGKPPE
742.39	LRCWAL
742.4	ITLTWQ
743.35	SADDNLK
743.36	RDVMLE

744.38	HQRVHS
746.36	TGEKPYA
754.4	SSTLTKH
754.42	SKPDLIT
755.38	IDREEL
755.42	GALALTQT
756.37	QLEEEK
756.38	WELSQL
756.4	HLIQHQ
757.36	AQGS DVSL
757.38	LTQ TWAG
758.36	LTETWAG
760.38	SVGPLYSG
760.39	VQHEGLP
767.43	ARVAEQL
768.4	IALNEDL
768.41	STLTTHK
768.45	LRKELE
769.4	EELERL
769.41	PAPAPAPAP
769.43	TKVVAVDG
770.36	LDREEQ
770.38	VLQDSL D
770.39	NGKETLQ
770.4	KPDLITC
771.38	ENGK ETL
771.39	AICHPLH
771.41	EKEKEK
772.38	ALTETWA
773.37	MQGDLKT
774.39	TGEKPYV
782.43	VPQAASKT
783.39	LEKEFH
783.41	KVTQTPE
783.42	TERVLQG
784.41	E EKIRE
785.37	IQMTQSP
785.39	SSSLGPKE
786.39	EHQRVH
786.41	PGSRKFN
788.37	TGEKPFE
797.39	PSSQSTIP
797.43	EEARRR
797.44	AQTLQKQ
798.39	PFQIPES
798.41	TTVTPTP
798.42	EGKENLK
799.41	GRGEPRF
799.42	QHQR IH
800.37	KREEEE
800.39	HVQHEGL
811.42	ALNEDLR
811.44	GSVLASLSP
811.46	NRRAKW
812.44	LGSNVTLQ
813.4	ETLQRAD

813.42	ILASASEAA
814.42	AEITLTW
815.38	EKAEMNI
815.4	LSSSSSLGP
825.42	VPVCKPV
825.46	SQSTIPIV
825.47	RKLEGE
826.42	EQLKQAE
826.43	GLPGPPGPPG
826.45	RSRSP
827.4	TQPTTTP
827.44	FLWGPRA
828.4	DTAAQITQ
829.38	PTTSTPGTS
839.45	PEKPGAFL
839.49	AGIPPPPPL
840.43	YFFLRN
840.45	APAPAPAPAP
840.47	RSRSTRP
841.42	DRERER
841.43	NTEVLVW
841.45	TKEQILE
841.47	VGDRVTIT
842.41	TAADTAAQI
843.45	AHQRIHT
853.47	NASLLIQN
854.45	ICKPLHY
855.43	RERERE
855.45	SSTLTTHK
856.43	TAMSRPGR
856.44	QAHQRVH
857.41	RDVMLEN
868.47	SQSTVPIVG
868.48	DWAIKAA
869.46	NTKVTQTP
870.44	QLAEGCRL
870.46	FSGKPPEK
872.44	QAMILASAS
882.46	RSDPVTLN
883.48	KPDLITCL
884.44	GVTSAPDTR
885.46	LALTETWA
897.46	AEQLKQAE
898.45	RLHTPMY
898.49	LQAMILASA
899.45	GNQLETR
900.47	QHQRIHT
912.47	EKIREQE
912.49	GRGEPRFI
914.45	LADEMGLGK
927.47	EFVMRHK
927.48	PSFGVSAPGK
941.48	QLAEGCRLA
942.48	AEITLTWQ
1041.55	LNKDKGEKE