

Amyloidogenic sequences

J00248 (L1) DIQMTQSPSSLSASVGDRVITITCRASQGISNYLAWFQQKPGKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSYP
AAC97098 DIVMTQSPSSLSASVGDRVITITCRASQDISNYLAWFQQKPGKAPKSLIYSASNLQAGVPSNFSGGGSGTDFTLTISSLQPEDFATYYCQQYKSYF
AAC97099 DIVMTQSPSSLSASVGDRVITITCRASQDIKNFLAWLQQKPGKAPKSLIYSASSLQSGVPSNFSGGGSGTHFTLTITISLQPEDFATYYCQQYDSFP
AAC97100 DIEMTQSPSSLSASVGDRVITITCRASQDISNFLAWFQQKPGNAPKSLIYAASSLQSGVPSKFSGGGSGTNFTLTISSLQPEDFATYYCQQYNNYP
AAC97101 DIVMTQSPSSLSASIGDRVSITCRASQGISNFLAWFQQKPGKAPKSLIYAASSLQSGVSSNFSGSGSGTDFTLTISSLQPEDFATYYCQQYNSYP
AAD09377 DIQMTQSPSSVSASVGDRLTITCRASQDISTYLAWFQQKPGKAPKSLIYAASNLSQGVPSNFSGSGSGIEFTLTINSLQPEDFATYYCQQYNIYP
BAN DIQLTQSPSSLSASVGDRVITITCRASQSVYNYVAWFQQKPGKAPKSLIYDASTLQSGVPSNFTGSGSGTDFILTISSLQPEDFATYYCQQYNSYP
HAC DIQMTQSPSSVSASVGDRVITITCRASQGISNYLAWFQQKPGKAPKSLIYAASSLQSGVPSKFSGSGSGTDFTLTISSLQPEDFATYYCQQYSSSP
NIE DIQMTQSPSSLPASVGDRVITITCRASQAIGNYLAWFQQKPGKAPKSLIYAASNLSQGVSSKFSGSGSLGTDFTLTISSLQPEDFATYYCQQYNSNP
ebebebebeebbebebeebbbbebeebbbbeebbeebbbbbbbeebbeebbbbbbbeebbeebbbbbbbeebbeebbbbbbbeebbeeb
Structure: 1B6D

X72813 DIQMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLESQVPSRFSGSGSGTEFTLTISSLQPDFATYYCQQYNSYS
COL DIQMTQSPSTLSASVGDRVITITCRASQTIINWLAWYQQKPGKAPKLLIYKASTLQSGVPSRFSGSGSGTEFTLTISSLQPEDVATYYCQQYNSAP
HOWE DIQMTQSPSTLSASVGDRVITITCRASQTISTSLAWYQQKPGNAPKLLIYRASSLQSGVPSTFSGSGSGTEFTLTISSLQPDFATYYCQHYRTYP
A49134 (LCDD) DIQMTQSPSTLSASVGDRVITITCRASLGINIWLAWYQQKPGKAPNLLIYKATNLQSGVPSRFSASGSGTEFTLTISGLQPDFATYYCHQDNSYP
LW DIQMTQSPSTLSASVGDRVITITCRASQSIINYLAWYQQKAGKAPSLIYKASTLETGVPSRFSGGGSGTHFTLNISLQPDFATYYCQQYNTYP
MCM (LCDD) DIQMTQSPSTLSASVGDRVITITCRASQSIGNWNWYQKPGQAPKLLIYKASTLESQVPSRFSGEGSGTEFTLTISKLPDIFATYYCQQIFSLP
WIL2 (MCN) DIQMTQSPSTLSASVGDRVITITCRPSQAFGSWLAWYQQKPGKAPPELLIYRVSSLSQGVPSRFSGSGSGTEFTLTISSLQPDFVATYYCQQANRYS
ABU90582 **DIQMTQSPSTLSASVGDRVITITCRASQSIISRLAWYQQKPGKAPNLLIYKASTLERGVPSRFSGSGSGTEFTLTISSLQPDFATYYCQYESSDW**
ABU90709 **DIQMTQSPSSLSASVGDRVITITCRASEINRYLAWYQQKPAKAPTLLIFKASTLERGAASRFSGSGSGTEFTLTISSLQPDFATYYCQQYSSSY**
ebebebbbbeebbbbbebeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbb
Structure: 1DFB

X93620 DIQMTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPSRFSGSGSGTDFTFTISSLQPEDIATYYCQQYDNLP
AAA79238 DIQMTQSPSSLSASVGDRVITITCQASQDISDYLIWYQQKLGKAPNLLIYDASTLETGVPSRFSGSGSGTEYFTFTISSLQPEDIATYYCQQYDDL
AAC97102 DIQMTQSPSSLSASVGDRVITITCQASQDINNYLNWYQQKPGKTPKLLIYGASNLETGVPSRFSGSGSGTDFTFTISSLQPEDIATYYCQQYDNLP
AAC97103 DIVMTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIDGASNLETGVPSRFSGSGSGTDFTFTISSLQPEDIATYYCQQYDNLP
AAD09367 DIQMTQSPSSLSASVGDRVITITCQASQDIHNYLNWYQQKPGKAPKLLIYDASKLETGVPSKFSGNGSGTGFTFTISSLQSEDIATYYCQQYNDLP
AAD29304 DIVMTQSPSSLSASVGDRVITITCQASQDIANYLNWYQQRPGKAPKVLIIYDASNLEIGVPSRFSGTGSGTHFNFTISGLQPEDIAVYSCQQYDNLP
AAD29303 DIEMTQSPSSLSASVGNRVIITCQASQDITNFLNWYQQKPGKAPKLLIYDASNLSQKGVPSFTFSGSGSGTDFTFTISSLQPEDIATYYCQQYANLV
AM81 DIQMTQSPSTLSASVGDRVITITCRASQSVLTYLNWYQQKPGKAPKLLIYDATLLLTGVPSKFSGSGSGSDFNISISGLQPEDFATYYCQQFDAGP
ARN DIQMTQSPSSLSASVGDRVITITCQASQDISDYLNWYQQKVGKAPKLLIYDASTLETGVPLRFSGSGSGTNYSFTISSLQPEDFATYYCQQYNSNP
BRE DIQMTQSPSSLSASVGDRVITITCQASQDIDNYINWYQQKLGKAPNLLIYDASTLETGVPSRFSGSGSGTEYFTFTISSLQPEDIATYYCQQYDDL
CRU DVQMTQSPSSLSASVGDRVITITCQASQDVTNYVNWYQQKPGKAPKLLIYDASNLETGFPSRFSGSASGTDFTFTIINLQPEDIATYYCQQYDNLP
DEL2 (AFS) DIQMTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIHAASSLETGVPSRFSGSGSGTDFTFTISSLQPEDLATYYCQQYDNLP
EPP DIQVIQSPSSLSASVGDRVITITCQASHDIDHNLNWFQQKPGKAPKLLIYDASNLERGVPSRFSGGGSGTDFTFTISSLQPEDIATYYCQQYDDL
ES305 DIQLTQSPSSLSASVGDRVITITCQASEAIDNYLNWYQQKPGKAPKLLIYNSSNLQTVPSRFSGSGSGTEFTFTISSLQPEDFATYYCQHYHNL
GRAV DILMTQSPSSLSASVGDIVITITCQASQAINKFLNWYQQKPGKAPKLLIYAASNLETGVPLRFSGSGSGTDFTFTISSLQPEDIATYFCQQYDNLP
GRI DIQMTQSPSSLSASVGDRVITITCQASQDISSYLNWYQQKPGKAPPELLIYAGSTLETGVPSRFSGSGSGTDFTFTISSLQPEDVATYYCQQYLNLI

[illegible]

Z22188 (HUMLV1L1)
 Cox SVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNTVNWYQQLPGTAPKLLIYSNNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNG
 Mcph SVLTQPPS-ASGTPGQRVTIACSGSSSNIGSNAVWYQQLPGTAPQLLIDTNNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAATDDSLNG
 Dia SVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNVVTWYQQLPGTAPKLLIYTNNQRPSGVPGRFSGSKSGTSASLAVSGLQSEDEADYYCATWDDSVNG
 Emm SVLTQPPS-ASGTPGQRVITISCSGSSSNIRSNNTVNWYQHVPGAAPKLLIYINNQRPSGVPDRFSGSKSGTSASLAISGLQSDDEADYYCATWDDSLNG
 Loc (MCN) SVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNVTWYQHLSPGTAPKLLIYEDNSRASGVSDRFSGSKSGTSASLAISGLQPEDETDYYCAAWDDSLDV
 Nig51 SVLTQPPS-ASGVPQGVIIISCSGSSSNIGRNTVNWYQVPGAAPKLLIYSGNKWPSGVPDRFSGSKSGTSASLAISGLHSEDEADYYFCATWDDSLDG
 Nig77 SVLTQPPS-ASGTPGQRVITISCSGSTSNIGSNTVTWYQHLPGTAPKLLIYSNDQRPSGVPHRFSGSKSGASASLAISGLQSEDETDYYCATWDDSLNG
 Pfu SVLTQPPS-ASGTPGQRVTLSCSGSSSNLGVNTVNWYQQLPGADPKVLIYRNDQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYHCAAWDDSLNG
 A42193 QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNVVTWYQQLPGTAPKLLIYTNNQRPSGVPGRFSGSKSGTSASLAVSGLQSEDEADYYCATWDDSLNG
 AAC97079 QSVLTQPPS-ASGTPGQRVITISCSGSNSNIGINIVNWYQVPGRAPKLLIYSNNQRPSGVADRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLHG
 AAC97080 QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNTVTWYQHLPGAAPKLLIYSNDQRPSGVPDRFSGSKSGTSASLAISGLQSVDEAHYYCSAWDDRLNG
 AAC97081 QSVLTQPPS-ASGTPGQRVITISCSGSRTNIASNTVNWYHLPGMAPKLLIYTNDQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDRLNG
 AAC97082 QSVLTQPPS-ASGTPGQRVISISCSGSTSNIGSNTVNWYHLLPGTAPKLLIYSNNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLDG
 AAD29289 QSVLTQPPS-ASGTPGQRVITISCSGSNSNIGSNSVNWYQHLPGTAPKLLIYSQSQRPSGVPDRFSGSRSGTSASLAISGLQSEDEADYYCAAWDDSLNG
 AAD29290 QSVLTQPPS-ASGTPGQRVIIISCSGSSSNIGRNTVNWYQHLPGTAPKLLIYSNDQRPSGVPDRFSGSKSVTSASLAISGLQSGDEAHSYCAAWDDSLRG
 ABU90645 QSVVTQPPS-ASGTTQRVTISCSGGSSNVGSNTVNWYQHLPGTAPKLLIYSGNQRPSGVPDRFSASKSGTSXSLAISGLQSDDEGDYYCAVWDDSLNG
 ABU90651 QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNTVNWYQHLPGTAPKFLIFSNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNG
 ABU90658 QSMLTQPPA-ASGTPGQRVISISCSGSSSNIGSNTVNWYQQLPGTGPKLLIFSSNQRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDSLNG
 ABU90681 QSVLTQPPS-ASGNPGQRVITISCSGTISNIGSNTVNWYQHLPGTGPKLLIFSNQRPSGAPDRFSGSRSGTSASLAISGLRSEDEADYFCAWDDTLNG
 ABU90708 QSVLTQPPS-ASGTPGQRVFVSCSGSSSNIGSNTVNWYQHLPGTAPKLLIYTDRPSGVPDRFSGSKSGTSASLAITGLQSEDEADYYCAVWDDSLNG
 ABU90545 QSVLTQPPS-ASGTPGQRVITISCSGSSSNLGSNTVNWYQHLPGSAPKLLIYSNNQRPSGVPDRFSASKSGTSASLAISGLQSEDESNNYCAAWDARLKG
 ABU90657 QSVLTQPPS-ASGTPGQRVITISCSGISNIGSNTVNWYQQLPGTAPKLLMYSNDQRPSGVPDRFSGSKSGTSVSLAISGLQSEDEADYYCAAWDDSLNG
 ABU90559 QSLLTQPPS-ASGTPGQRVITISCSGRRSNIGSNTVTWYQQLPGTAPKLLIYTNDLRPSGVPDRFSGSKSGTSGLAISGLQSADEGDYYCAAWDDSLNG
 ABU90664 QSVLTQAPS-ASGTPGQVTITISCSGSRSNIGSNTVNWYQVPGTAPTFLIYSNSQRPSGVPDRFSGSKSGTSASLAISGLQSDDEADYYCAAWDDSLNG
 ABU90635 QSVLTQPPS-ASGTPGQRVITISCSGSTSNIGTNTVNWYQHVPGAAPQLLIYTNDQRPSGVPDRISGSKSGTSASLAISGLQSEDEADYHCAAWDDSLHG
 ABU90693 QSVLTQPPS-ASGTPGQRVITISCSGRSSNIGSNTVHWYQHVPGAAPKLLIYSNDRPSGVPDRFSGSKSGTSASLAISRLQSEDEAHYYCATWDDSPNA
 ABU90715 QSVLTQPPS-ASGAPGQVTITISCSGSSNIGINTVCWYQYPGTAPKLLIYTNDHRPSGVPDRFSGSKSGTSASLAISGLQSEDEADYYCAAWDDILDG
 ABU90617 QSVLTQPPS-ASGTPGQVVTMCSGSSSNIGGNTVAWYQHLPGAAPRLIYVSNRPSGVPDRFSGSKSDTSASLAISGLQSEDEADYYCAAWDDTLNG
 ABU90619 QSVLTQPPS-ASGTPGQSITISCSGSSSNIGSNSVTWYQHLPGTAPKLLIYSVNQRPSGVPARFSGSKSGTSASLAISGLQSEDEADYYCGAWDGLSG
 ABU90601 QSVLTQPPS-ASATPGQRVITISCSGSSSNIGNNYVWYQHLPGTAPKLLIYANNQRPSGVPDRFSGSKSGTSTSLAISGLRSEDEADYHCAAWDDSLSG
 ABU90692 QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNFVWYQVPGTAPKFLIYSNNQRPSGVPDRFSGSKSGTSASLAISGLRSEDEADYYCAAWDDSLSV
 ABU90589 QSVLTQPPS-ASGTPGQGVITISCSGSSSNIGSNYVWYQYLPGMAPKLLIYLNNQRPSGVPDRFSGSKSGTSASLAISGLQSGDESDDYYCATWDDSLNE
 ABU90597 QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGINYVWYQFPGTAPKLLIYTNNQRPSGVPDRFSGSKSGISASLAISGLRSDDEANYYCATWDDSLDG
 ABU90571 QSVLTQPPS-VSETPGQVTITISCSGSSSNIGSVYVWYQHLPGTAPKLLIQRNSQRPSGITDRFSGSKSGTSASLTISGLRSEDEADYYCAVWHDLSLG
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Z22191	QSVLTQPPS-VSAAPGQKVTISCSGSSSN-IGNNYVSWYQQLPGTAPKLIIYDNNKRPSGIPDRFSGSKSGTSATLGITGLQTGDEADYYCGTWDSLSLA
AAD09370	QSVLTQPPS-VSAAPGQKVTISCSGNRYN-IGNNYVSWYQQFPGTAPKLIIYDDNERPSGIPDRFSGSKSGTSATLGITGLQTGDEADYFCGTWDSGLTA
AAD29291	QSVLTQPPS-VSAAPGHKVTISCSGSSSN-IGKNYVSWYQQIPGTSPKLLIYDNNKRPSGIPARFSGSKSGTSATLVITGLQS GDEADYYCGTWDSLSLD
AAD29292	QSVLTQPPS-VSAAPGQNVSISCSGSSSN-IGNNHVSWYQQFPGTAPKLLTYDNNERPSGIPDRFSGSKSGTSATLVITGLQTGDEADYFCGTWDYTSL-
AAD29293	QSVLTQPPS-LSAAPGQKVVISCSGSSSD-IGNNYVDWYQQQLPGAAPKLLIYDTSKRPSGVDPDRFGSNSGTSATLGITGLQTGDEADIYCGTWDGSLSA
L1HUEP	QSVLTQPPS-LSAAPQRVTSICSGSSSN-IGKNYVDWYQQLPGTAPKLLIFNNNKRPSPGPDRFSGSKSGTSATLGITGLQTGDEADIYCGTWDNRRSV ebebepbee bebbeeeebebbbbhebbbbebebbbbbbbebebebbbbebeebpeebhebbbbbbeebbbbbeebbeebbbbbeebbbb

Z22197 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQQHPGKAPKLMIYEVSNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSSSTL
AAC97083 LSELTQPAS-VSGSPGQSITISCTGTSSDVAIYNYSWYQQYPTKAPKLTIYEVNNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLYTITGTQ
AAC97085 SELTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVTWYQQHPGKAPNVLIIYEVTYRASGVSNRFGSGSKSGNTASLTISGLQAEDDADYYCSSLYINSTR
AAD29294 SELTQPAS-VSGSPGQSITISCTGTSDNGVGYTVSWYQQHPGKAPKVIIYDVSNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADFYCSSLTSSSTL
AAD33349 QSALTQPAS-VSGSPGQSITISCTGTSSDIGNYNVSWYRQHHPGKAPKLIIYDVNTRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSDTL
L2HUNG QSALTQPAS-VSGSPGQSITISCTGTSTDVGGYDFVSWYQQHPGKAPKLIIYDVNSRPSTGISNRFSGSKSGNTASLTISGLQAEDADYYCSSLFTTNSTR
JOHN TQPAS-VSASPGQSITISCTGTSTDVGYNFVSWYQQHPGKAPKVMIIYDVSNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSSST
MC SALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQQHPGKAPQLMIIYEVSNRPSGVSNRFGSGSKSGNTSSLTISGLQAEDADYYCSSLTIGTR
NIG84 SALTQPAS-VSGSPGQSITISCTGTSTDVGGYDFVSWYQQHPGKAPKLIIYDVNSRPSTGISNRFSGSKSGNTASLTISGLQAEDADYYCSSLFTTNSTR
NOV SALTQPAT-VSGSPGQSITISCTGTSSDVGDYNYVSWYQQHPGKAPKLMIYDVSDRPSGVSYRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSDST
ABU90665 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQQHPGKAPKLMIYDVSRYPSGVSDRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSSSTP
ABU90590 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNFVSWYQQHPGKAPKLMIYDVSNRPSGVSHRFGSGSKSDNTASLTISGLQAEDADYYCSSLTSSSTW
ABU90568 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQQHPGKAPKFMIYDVSQRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTGSSSTY
ABU90606 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQQHPDKAPKLMIYEVSNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSTDV
ABU90704 QSALTQPAS-VSES PGQSITIYCAGTSSDVGGYDYVSWYQQHPGKAPKLIIYDVSDRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSDTL
ABU90729 QSALTQPAS-VSEP GSITISCAGTSSDVGNIDYVSWYQQHPGPKVKVIYDVNNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSSSAF
ABU90667 QSALTQPAS-VSGSPGQSITISCTGTSSDVGNDSVSWYQQHPDKVKPLMIYDVSNRPSRVDRFGSGSKSGNTASLTISGLQTDEADYYCSSLTAAAGYV
ABU90661 QSALTQPAS-VSGSPGQSITISCTGTSSDVGNINYVSWYQQHPGKAPKLMIYDVGNRPSGVSNRFGSGSKSGNTASLTISGLQAEDDGDDYYCLSHHTNNSTL
ABU90577 QSALTQPAS-VSGSPGQSITISCTGTSSDNNDKYVSWYEQHPGKAPKLMIYEVSSRPSGVSNRFGSGSKSGNTASLTISGLRAEADADFYCSSHINKTLV
ABU90702 QSALTQPAS-VSGSPGQSITISCTGSSSDVDTKYVSWYQQHPGKAPKLMIYDVSNRPSGSTISNRFSGSKSGNTASLTISGLRAEDETDYYCSSLTTRNNTL
ABU90622 QSALTQPAS-VSGSPGQSITISCTGTSHDVGGYDDVSWYQQHPGKAPKLMIYDVNRNPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSHTSRNTL
ABU90605 HSALTQPAS-VSGSPGQSITISCTGTSSDVGGYNYVSWYQHPGKAPKLIIYEVNTRPSGVSNRFGSGSKSGNTASLTISGLQAEDADFYCDTSYSTDSTW
ABU90701 QSALTQPAS-VSGSPGQSITISCTGTSIDVGGYNFVSWYQQHPGKAPKLMIYDINNRPSTGISNRFSGSKSGNTASLTISGLRAEDADYYCSSLTVTSSSS
ABU90655 QSALTQPAS-VSGSPGQSITISCTGTSSDVGGYKYVSWYQQHPGKAPKVMIIYEVSNRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTSSSNY
ABU90618 QSALTQPAS-VSGSLGQSIIISCTGSASDVGGYDFVSWYQQYPGKAPKVMIIYDVSSRPSGISNRFSGSKSGNTASLTISGLQAGDEADYYCSSLTSSSTY
ABU90593 QSALTQPAS-VSGSPGQSITISCTGSNDVGYNYSWYQQHPGKGPVKMIYDVSSRPSGVSNRFGSGSKSGNTASLTISGLQAEDADYYCSSLTTRNTYV
ABU90639 QSVLTQPAS-VSGSPGQSITISCTGTSDVGGYNYVSWYQQLPGKAPKLVIYDVDKRLSGVSSRFGSGSKSGNTASLTISGLQAEDATYHCISIYISSAL
ABU90575 QSALTQHAS-VSGSPGQSITISCTGTSDIGLYNYVSWYQHPGKAPKLIIYDVIKRPSGVSTRFGSGSKSGNTASLTISGLQAEDATYSCNSTANTTF
eeeeebbbb bbbbeeeebbbbbeeeebbbbbebbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbbbeebbbb

Z22208 SYELTQPPS-VSVSPGQTASITCSGDKLGDKYACWYQQKPGQSPVLVIYQDSKRPSGIPERFSGSNSGNTATLTISGTQAMDEADYYCQAWDSSTA
AAC97087 SYELTOPPS-VSVSPGQTASITCSGDLRGDKFACWYQOKPGQSPVLVIYEDTKRPSGIPERFSGSNSGNTATLTISGTQAMDEGDYYCQSWDSSTA

AAD09368 SYELTQPPS-VSVSPGQTASIPCSGDKLGDKYVCWYQQKPGQSPVVVIYEDNKRPSGIPERFSGSNSGNTATLTISGTQAMDEAYYSCQSWDTTTA
AAD09369 SYELTQPPS-LSVSPGQTASITCSGDKLEDNYVSWYQQKPGQSPVVVINQDYKRPSGIPERFAGSNSGNTATLTISGTQAVDEADYYCQVWASSSD
AAD09374 SYELTQPPS-VSVSPGQTATITCSGDKLGDYVVCWYQHKPGQSPALVYQDSQRPSGIPERFSGSNSGNTATLTISGTQGMDEADYYCQAWDSSAA
AAD29296 QSVLTQPPS-VSVSPGQTASITCSGDKLGSEYVCWYQQKAGQSPVLVIYEDTKRPSGIPDRFSGSNSGNAATLTISDTQAMDAADYYCQTWDSSTA
AAD29297 QSVLTQPPS-VSVSPGQTGSIITCSGEKLGDKYACWYQQKPGQSPVVVIYQDNMRPSGIPERFSGSNFGNTATLTISGTQAMDEADYYCQAWDSGTA
CLE (MCN) SYEVTQPPS-LSVSPGQTARITCSGEKLGDAYVCWYQQRPGQSPVVVIYQDNRRPSGIPERFSGSSSGNTATLTISGTETLDEADYYCQVWDSNAS
DOD SYELVQPPS-VSVSPGQTARITCSGDKLGDYFASWYQQKPHQSPMLIIYQDNKRPSGIPERFSGSNSGNTATLTISGTQALDEADYYCQAWDSSSV
DOY SFDLTQPPS-VSVSPGQTASITCSGEKLGEEYAAWYQQKPGQSPVLVIYQDTRPSGIPERFSGSNSGNTATLTISGTQALDEADYYCQAWDSSSV
MOL SYELTQPPS-VSVSPGQTATISCSGDKLGEXXYDWYQQSPGQSPLLVIYEGDKRPSGXXRFSGNSGNTATLTISGTESMDEADYYCQAWNSSSV
NIG68 (AFS) SYDLTQAPS-LSVSPGQTAYITCSGDNLGNEFVSWYQQRPGQSPALVIYDTSKRPSGIPERFSGSKSGNTATLTISGTESMDEADYYCQAWDQIRD
NIG95 SYDLTQPPS-VSVSPGQTATISCSGKNLGDNFACWYQQKPGQSPVLVIYQDNKRPSGIPERFSGSNSGNTVTLTITGNTMTMDEADYYCQVWDVGAV
WHIT -YELAQPPS-VSVSPGQTASITCSGEKLGDKYTWWYQQKPGQSPVLVIYQDTRPSGIPERFAGSNSGNTATLTISGTQAMDEADYYCQTWDNTRV
ABU90588 SYELTQPPS-VSVSPGQTASITCSGDKLGDKYACWYQQKAGQSPVLIIYQDSKRPSGIPERFSGSNSGNTATLTISGTQAMDEADYYCQAWDSSTG
ABU90608 SYELTQPPS-VSVSPGQTASITCSGDKLGDKYACWYQQKPGQSPVLVIYQDSKRPSGIPERFSGSNSGNTATLTISRTQALDEADYYCQAWDSSTC
ABU90682 SYELSQPPS-VSVSPGQTASITCSGDKLGDYACWYQQKSGQSPVLVIYQDTRRPSGIPERFSGSTSGNTVTLTISGTQAIDEADYYCQAWDSNTV
ABU90710 SYELIQPPS-VSVSPGQTASITCSGDKLGDKYACWYQQKPGQSPVLVIYQDTRRPSGIPERISGNSGNTATLTISGTQATDEADYYCQAWDSSTV
ABU90723 SYELTQPPS-VSVSPGQTASITCSGDKLGDKFACWYQQKPGQSPVLVIYQDRERPSGIPERFSGSNSGNTATLTISGTQTNDEADYFCQAWDSSTS
ABU90691 SYDLTQPPS-VSVSPGQTASITCSGDKLGDEYACWYQLKPGQSPVLVIYEDTKRPSGIPERFSGSNSGNTATLTISGTQAMDEADYFCQAWDSGTV
ABU90615 SYELTQPPS-VSVSPGQTASITCSGDKLGDKYACWYQQKPGQSPVLVIYQASKRPSGIPERFSGSNSGNTATLTISGTQTMDEADYYCQAWDSSTV
ABU90558 SYELTQPPS-VSVSPGQTASITCSGDKLGNEYACWYQQKPGHSPVLVIYQDSKRPTGIPERFSGSNSGNTATLTISGTQAVDEADYYCQTWDFNTA
ABU90656 SYELTQPPS-VSVSPGQTATITCSGDKLGSKYAWWYQQKPLSPVLVIYQDNKRPSGIPERFSGSNSGNTATLTISGTQDMDEADYYCQTWDSNV
ABU90630 SYDLTQPPS-VSVSPGQTASITCSGAKLGDEYASWYQQKPGQSPILVIYQDGKRPSGIPERFSGSNSGNTATLTISGAQAMDEADYFCQAWDSSSV
ABU90563 SYDLTQPSS-VSVSPGQTASITCSGNKLGKYNVWWYQQKPGQSPVLVIYQDAKRPSGIPERFSASNSGNTATLTIGGTQAMDEADYYCQTWDISTV
ABU90685 SFELTQPPS-VSVSPGQTASITCSGDKLGDEYVCWYQQKPGQSPVLVIYQDDKRPSGIPERFSGSSSGNTATLTITGTQSMDEADYYCQAWDNSAA
ABU90669 SYELTQPPS-VSVAPGQTASITCSGDKLDNKYISWFQQKPGQSPLLVMYQDNKRPSGIPERLSGSSSGNTATLTISGTQAMDEAAYYCQAWDSNTG
ABU90561 SYELTQPPS-VSVSPGQTASITCSGKLGDTYTCWYQQKPGQSPLLVIYQDNKRPSGIPERFSGSNSGNTATLSISGTQALDEADYFCQAWDSSTA
ABU90679 SPEVTQPPS-VSVSPGQTASITCFGDKLGDEYVSWYQQKPGQSPVLVIYKDSRRPSGIPERFSGSNSGNTATLTISGTQTLDEADYYCQTWDDATA
ABU90677 SSELQPPS-VSVSPGQTASITCSGDLVGGKYACWYHQKAGQSPMLLIYQDSKRPSGIPDRFSGSNSGNTATLTISGTQALDEADYYCQAWDSSIA
ABU90566 PYELTQPPS-VSVSPGQTASITCSGDTLGNFASWYQQKPGQSPVLVIYQDTRPSTIPGRFSGANSNTATLTISGTQTIDEGDYYCQTWDRSTL
ABU90732 SYDLTQPPS-VSVSPGQTASITCSGDNLDQYACWYQQKPGQSPVLIIYQDNKRPSGIPERFSGSNSGNTATLTISGTQSTDEADYFCQTWANNSA
ABU90624 SYELTQPPS-ISVSPGQTASITCSGDKLGAKYTSWYQQKPGQSPVLVIYQDYRRPSGIPERFSGSNSGNTATLTISGTQAVDDGDYYCQAWDSSTG
ABU90607 SYELTQPPS-VSVSPGQTASITCSGDNLDKYASWFQQKPGQSPRLVMYQDSKRPSGIPERFSGSNSGNTATLTISGTQTMDEADYYCQAWDSTTA
ABU90595 SYDLTQPPS-VSVSPGQTATISCSGNNLGKYNVSWYQQKPGQSPVLVIFQDDKRPSGIPERFSGSNSGNTATLTISGTQAADDEADYYCQAWDSSTP
ABU90553 QSVLTQPPS-VSVSPGQTASIPCSGDKLGKYNVSWYQQRPGQSPVLVMSQDTERPSGVSEFSGSNSGNTATLIISGTQAMDEADYYCQVWDSSTV
eeebbbbbb bbbbebeebbbbbbeebbeebbbbbbbeeeebbbbbbbeebbeebbeebbbbeeeebbbbbbbeebbeebbbbbbbeebbb

Match: 1LIL

z73673 NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSSPTTVIYEDNQRPSPGVPDRFSGSIDSSSNSASLTISGLKTEDEADYYCQSYDSSN
1CD0_A NFMLNQPHS-VSESPGKTVTISCTRSSGNIDSNYVQWYQQRPGSAPTIVIYEDNQRPSPGVPDRFAGSIDRSSNASLTISGLKTEDEADYYCQSYDARN
2CD0_A NFLLTQPHS-VSESPGKTVTISCTRSSGSIASNYVHWYQQRPGSSPTTVIFEDDHRPSGVPDRFSGSVDTSSNASLTISGLKTEDEADYYCQSYDHNN
AAC97090 NFMLTQPHS-VSESPGKTVTISCTRNSGSIASNYVQWYQQRPGSSPNIVIYEDNVRPSGVPDRFSGSIDSSSNSASLTISELKTEDEADYYCQSYDNNN
AAC97091 NFMLTQPHS-VSESPGKTVTISCTRSSGSIATSYVQWYQQRPGSSPTTIFEDNLRPSGVPDRFSGSIDSSSNSASLTISGLRTEDEADYYCQSYDSGK
AAC97092 NFMLTQPHS-VSESPGKTVTISCTRSSGSIAGDYVQWYQQRPGSAPTIVIYEDDQRPSPGVPDRFSGSIDSSSNSASLTISGLKTEDEADYYCQSFDDNN
AAC97093 DFMLTQPHS-VSESPGKTVTISCTGSSGSIASNYVQWYQQRPGSAPTIVIYEDDQRPSPGVPDRFSGSIDTSSSNSASLTISRLKTEDEADYYCQSYDSNN

AAC97094	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWNQQRPGSAPSTVIYEDSQRPSGVPDRFSGSIDTSSNSASLTIISGLKTEDEADYYCQSYDGSN
AAC97095	DFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRSGNSPSAVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLMTEDKADYYCQSYSGSN
AAC97096	DFMLTQPHS-VSESPGKSVTISCTGSSGSAVANDVQWYQQRPGSAPTTVIYDDQQRSSGVANRFSVSIIDSSNSASLTIISGLKTEDEADYYCQSFDSNN
AAD28579	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTTVISEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSSS
AAD29298	DFMLTQPHS-VSESPGKTVTISCTGSSGSIANNYVQWYQQRPGSAPTTMIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSFDSNK
AAD29299	DFMLTQPHS-VSESPGKTVTISCTRSTGSIASNYVQWYQQRPGSAPFTLTIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSFADFT
AAD29300	DFMLTQPHS-VSESPGKTVTISCTRSSGSIANNYVQWYQQRPGSSPTNVIHEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSTK
AAD29301	DFMLTQPHS-VSESPGKTVTISCTRSSGNIASNYVQWYQQRPASSPTTVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDTN
AAK58585	NFMLTQPHS-VSGSPGKTTITISCTGSSGRIASNSVQWYQQRPGSAPNIVMYENNQRPSGVPDRFSGSIDSSNSASLTIISGLMTEDEADYYCQSFDDST
AAK58586	NFMLTQPHS-VSESPGKTTITISCTRSSGSIASNYVQWYQQRPGSAPTTVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSNN
AAK58587	NFMLTQPHS-VSESPGKTVTISCTGSSGSIATNYVQWYQLRPGSAPTTVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSSI
L6HUAR	DFMLTQPHS-VSESPGKTVTFCTGSGSIASDSFVQWYQQRPGSAPTTVIYDDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYNSNH
L6HULT	DFMLTQPLS-VGSPSEKTVTISCTGSSGSGISNYVQWYQQRPGSAPNTNVIYENNQRPEVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDNNN
CROS	NFMLTQPHS-VQSPGKTVTISCTRSSGSIASNYVQWYQQRPGRAPTTMIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDNSN
GARN	NFILTQPHS-VSESPGKTVTISCTVSGGNIGKNYMQWYQQRPNASPTTVIFENNQRPSGVPDRFSGSIDASSNSASLTIIVDLKTEDEAEYFCQTFADTN
GIO	NFMLTQPHS-VSESPGKTVTISCTGSSGSIASNFVQWYQQRPGSAPATVIYEDNQRPSPGIPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSTH
JONE	NFMLTQPHS-VSESPGKTVTISCTRSSGSLASTYVQWFQQRPGSAPTTVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSET
K11	NFMLTQPHS-VSDSPGKTVIISCTRSSGNIATNYVQWFQQRPGSAPTTVIYDDNQRPSPGVPDRFSGSIDRSSNSASLTIISGLKPEDEADYYCQSYDATS
MAL2	KFMLTQPHS-VSASPGKTVTISCTRSSGSIIDTNYVQWYQQRPGSAPNTNVIYEDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCHSYDSST
QUI	NFMLTQPHS-VSESPGKTVTISCTRSSGNIASNYVQWYQQRPGSSPTTIVIFEDDQRPSPGVPDRFSGSIDSSNSAELTISDLKTEDEADYYCQSYDSNY
RUD	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTTVIFENARQPSGVPDRFSGSIDSSNSASLTIISGLKTADEADYYCQSYDNSN
SUT	DFMLTQPHS-VSESPGKTVIISCTRSSDSTAGYVQWYQQRPGRAPTTVIFEDTQRPSGVPDRFSGSIDRSSNSASLTIISGLQTEDEADYYCQSYDRDH
THO	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASYYVQWYQLRPGSAPTTVIYEDNQRPSPGVPDRFSGSIDRSSNSASLTIISGLKTEDEADYYCQSYDSNN
WILD	NFLLTQPHS-VSESPGKTVTISCTRGNGSIANNYVHWYQQRPGSSPTTVIFEDDHRPSGVPDRFSGSVDTSSNSASLTIISGLKTEDEADYYCQSYDHNN
WIND	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASFYVQWYQQRPGSSPTTNIYEDTERPSGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSFDSNN
JTO (MCN)	NFMLNQPHS-VSESPGKTVTISCTRSSGNIASNYVQWYQQRPGSAPTTVIYEDNQRPSPGVPDRFAGSIDRSSNSASLTIISGLKTEDEADYYCQSYDARN
ABU90621	NFMLTQPHS-VSESPGKTVTISCTRITGVSANFVQWFQQRPGSSPTTVIYEDDQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDGST
ABU90596	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWFQQRPGSSPTTVIYEDDQRPSPGVPDRFSGSVDDSSNSASLTIISGLKTEDEADYYCQSSDSS
ABU90698	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGRSPTTVIYEDNERPSGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDSNI
ABU90706	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSSPTTVIYEDNQRPYGVDPDRVSGSIDSSNSASLTIISGLKTDDEADYYCQSYDGGH
ABU90711	NFMLTQPHS-VSESPGKTVTISCTRNSGSIASNYVQWYQQRPGSPPTTVIYEGNQLRSGVPARFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDISS
ABU90695	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASYYVQWSQQRPGSAPTTVIYKDNQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDTNK
ABU90714	NFMLTQPHS-VSESPGKTVTISCTRSGGNIANNYVQWYQQRPGSAPTTVIYEDNLRPSGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYDTSN
ABU90689	NFILTQPHS-VSESLGKTVIISCTGSSGSIASNYVQWYQQRPGSAPTTVIYEDNQRPSPGVPDRFSGSIDRSSNSASLTIISGLKTEDEADYYCQSYAGSS
ABU90576	QFMLTQPHS-VSESPGKTVTISCTRSSGNIASNYVQWYQHRPGSSPTTVIYEDDQRPSPGVPDRFSGSIDRSSNSASLTIISGLKTEDEADYYCQSYDARS
ABU90565	DFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTTVIYEDDQRPSPGVPARFSGSIDRSSNSASLTIISGLQTEDEADYYCQSYERVF
ABU90612	NFMLTQPHS-VSGSPGKTVTISCTGSSGSIASNYVQWYQQRPGSAPTAVIYEDDRRPSGVPDRFAGSIDTSSNSASLTIISGLKTEDEADYYCQSFDSFN
ABU90587	NFVLTQPHS-VSESPGKTVTISCISSGSIASNYVQWYQQRPGSSPTTVIYEDSQRPSPGVPDRFSGSIDSSNSASLTIISGLKTEDEADYYCQSYGSFN
ABU90551	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASYYVQWYQQRPGSAPNTNVIYEDNERPSGVPDRFSGSIDSSNSAYLTIISGLKTEDEADYYCQSYGTNN
ABU90567	NFMLTQPHS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTTVIYENNQRPSGVPDRFSGSVDDSSNSASLTIISGLKTEDEADYYCQSYDRFN
	ebbbbbbbbe bebbbeeeebbbbbbbbbbbebebebeebbbbbbbeeeebbbbbbbbbbbeeebeebbebebbbbbbebeeeebbbbbbbbbbbeeebeebbbbbbbeee

Non-amyloidogenic sequences

J00248 (L1)	DIQMTQSPSSLSASVGDRVITITCRASQGISNYLAWFQQKPGKAPKSLIYAASSLQSGVPSRFSGSGSGTDFTLTIS
AA533383.1	DIQMTQSPSSLSASVGDRVITITCRASQGISNYLAWYQQKPGNAPKSLIYAASSLES
AAW69259.1	DIQLTQSPSSLSASIGDRVITITCRASQGISNLAWFQQKPGKAPKSLIYAASSLQSGVPSKFS
AA56280.1	DIQMTQSPSSLSASVGDRVITITCRASQGISNYLAWYQQKPGKVPKSLIYAASTLQSGVPSRFS
AA53422.1	DIQLTQSPSSLSASVGDRVITITCRASQGISSHLAWYQQKPGKAPKLLIYAASSLQSGVPSRFS
AA53480.1	DIQMTQSPSSLSASVGDRVITITCRASQGISSWLAWYQQKPGKAPKSLIYAASSLQSGVPSKFS
AA26430.2	DIQMTQSPSSVSASVGDRVITITCRASQGISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFS
AA05690.1	ELQMTQSPSSLSASVGDRVITITCRASQGI
AA53461.1	DIQMTQSPSSLSASVGDRVITITCRASQGISSALAWYQQKPGKAPKLLIYDASSLES
AA53423.1	DIQMTQSPSSLSASVGDRVITITCRASQGI
AA53484.1	DIQLTQSPSSVSASVGDRVITITCRASQGISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFS
AAW69123.1	DIQMTQSPSSLSASVGDRVITITCRASQDITNYIAWFQQKPGKAPKSLIYAASTLQSGVPSKFS
AA53464.1	DIQLTQSPSSLSASVGDRVITITCRASQGISSYLAWYQQKPGKAPKLLIYAASTLQSGVPSRFS
AAW67411.1	DIQVTQSPSFLSASVGDRVITITCRASQGISSYLAWYQQKPGKAPKLLIYAASTLQSGVPSRFS
AA34102.1	DIQVTQSPSSLSASVGDRVITITCRASHDIGSYLAWYQQKPEKAPESLIYAASSLQSGVPSRFS

Lambda sequences

M30446	QSVLTQPPS-VSAAPGQKVTISCSGSSSNIGNNYVSWYQQLPGTAPKLLIYENNKRP
CAA84394	QSVLTQPPS-VSAAPGQRTISCSGSSSNIGSDYVSWYQQLPGTAPKLLIYDNNKRPS
AA53470	QSVVTQPPS-VSAAPGQKVTISCSGSSSNIGDKSVSWYQQLPGTAPKLLIYENDKRPS
AAR88382	QSVLTQPPS-VSAAPGQKVTISCSGSSSNIGNNDVSWYQQFPGTVPKLVYENNNQRPS
CAD30279	QSVLTQPAS-VSGSPGQSITISCSGSSSNIGNNYVSWYRQLPGTAPKLLIYDNNKRPS
CAA54621	QSVLTQPPS-VSAAPGQKVTISCSGNSSNIGNNYVSWYQHLPGTAPKLLIYDNNKRPS
AAA85072	QSVLTQPPS-MSAAPGQKVTISCSGSSSNIGNNYVSWYQQFPGTAPKLLIHDNNKRPS
AAB27503	QSVLTQPPS-ASGTPGQRTISCSGSSSNIGRNVNWSYQQLPGTAPKLLIYSNNQRPS
AA31882.1	QSVLTQPPS-ASGTPGQRTISCSGSSSNIGSNYVYWYQQLPGTAPKLLIYRNNQRPS
ABA55013	QSVLTQPPS-ASGTPGQRTISCSGSSSNIGSNYVYWYQQLPGTAPKLLIYRNNQRPS

X72813	DIQMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLES
BAB18253.1	DIQMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASGLES
1DFB	DIQMTQSPSTLSASVGDRVITITCRASQSI
AAT76800.1	QIQMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLES
AAW69061.1	EIVMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLES
AA53355.1	DIQLTQSPSSLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYDASSLES
AA59374.1	DIQMTQSPSTLSASVGDRVITITCRASQITITNWLAWYQQKPGRAPKLLIYKASNLES
BAB18255.1	DIQLTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASSLES
AAW69258.1	DIQLTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKAGKAPTLLIYEASTLQSGVPSRFS
AAW69129.1	DIQLTQSPSTLSASVGDRVITITCRASQSVSSWLAWYQQKPGKAPKVLISRASDLES
AAW68991.1	DIQMTQSPSTLSASVGDRVITITCRASQSIGSWLAWYQQKPGKAPKLLIYKASTLQSETPSRFRGSGSGTEFTLT

AAW68897.1 DIQLTQSPSTLSASVGDRVITITCRASQSIGSWLAWYQQKPGKAPKLLIYKASTLQSETPSRFRGSGSGTEFTLTISSSLQPDDFATYYCQQFNSFS
AAO91637.1 IVLTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGKAPKLLIYKASNLQSGVPSRFRSGSGSGTEFTLTISSSLQPDDFASYCQQYSNP
AAB27975.1 | DIQMTQSPSTLSASVGDRVITITCRASLSISSWLAWYQQKPGIAPKLLIYQASSLQTVPSRFRSGSGSGTEFTLTISSSLQPEDFATYYCQRHNSYP
1RZG DIQMTQSPSTLSASVGDRVITITCRASQSISSWLAWYQQKPGRAPKLLMYKASSLKSGVPSRFRSGSGSGTEFTLTISSSLQSDDFATYYCQQHDSSP
CAI99816.1 -HRMSQSPSTLSASVGDRVITITCRASQSLNGWLAWYQQKPGKAPKLLIYKASSLESGVPSRFRSGSGSGTEFTLTISSSLQPDDFATYYCQHYXGYP
AAW57560.1 ----TQSPSTLAASVGDRVITITCRASQFIDTWLAWYQQKPGKAPKLLIYKASTLQSGVPSRFRSGSGSGTEFTLTISSSLQPDDFATYYCQRYNSHS
AAT96426.1 DIVMTQSPSTLSASVGDRVITITCRASQSIDIWLAWYQQKPGKTPKLLIYKASTLESGVPSRFRSGSGSGTEFTLTISSLKPDDFASYCQHYNRDS*
AAW69083.1 EIVMTQSPSSLSAFVGDVRTITITCRANQTFSSWLAWYQQKPGRAPKLLIYKASTLEGGVPSRFRSGSGSGTESTLTISSSLQPDDFATYYCQQYNSFS

X93620 DIQMTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDIATYYCQQYDNLNLP
PH0864 DIQMTQSPSSLSASVGDRVITITCQTSQDISKYNWYQQKPGKAPKLLIYDASNLERGVPSRFRSGSGSGTDFTFTISSSLQPEDIATYYCQQYDTLP
P01608 DIQMTQSPSSLSASVGDRVITITCQASQDISIFLNWYQQKPGKAPKLLIYDASNLEAGVPSRFRSGSGSGTDFTFTISSSLQPEDIATYYCQQYDNLNLP
AAD47066.1 DVVMTQSPSSLSASVGDRVITITCQSSLDISHYLNWYQQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTHFTFTISSSLQPEDFATYYCQQYDNLNLP
AAW33403.1 DIQLTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDFATYYCQQSYSSP
AAO91641.1 EIVLTQSPSSLSASVGDRVITITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDFGTYCQQYNTYP
AAW69058.1 DIQLTQSPSSLSASVGDRVITITCQASQDISNYLNWYQLKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDVATYYCQQYDTLP
AAW69119.1 DIQMTQSPSSLSASVGDRVITITCQASQDITNYLNWYQLKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDVATYYCQQYDTLP
AAW68974.1 DIQMTQSPSSLSASVGDRVITITCQASQDITNYLNWYQQKPGKAPKLLIYDASNLPQGVPSRFRSGSGSGTDFTFTISSLRPEDIATYYCQQYDGPV
AAW69032.1 DIQLTQSPSSLSASVGDRVITITCQASQDITNYLNWYQLKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTISSSLQPEDVATYYCQQYDTLP
AAW69009.1 DVVMTQSPSSLSASVGDRVITITCQASQDITNYLNWYQQKPGKAPKLLIYDASNLPQGVPSRFRSGSGSGTDFTFTISSLRPEDIATYYCQQYDGPV
AAD19529.1 ----TQSPSSLSASVGDRVITITCQASQDISNFLTWYQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTFTIASLQPDDFATYYCQQYNDHP
AAQ22022.1 -----SSLSASVGDRVITITCQASQDIRKYNWYQQKPGKAPKLLIYDASNLEIGVPSRFRSGSGSGTDFTFTISSSLQPEDIATYYCQQYDNLNLP
AAS79808.1 ----TQSPSSLSASVGDRVITITCQASQDISNYLNWCQQKPGKAPKLLIYDGSYLETGVPSRFRSGSGSGTDFTFTISSSLQPEDIATYYCQQYDNLNLP

X93627 DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTP
1DEE DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSAP
AAV66330.1 DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYSASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSSSNP
AAV73916.1 DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYSASYLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQNYNSP
AAW33396.1 DIQMTQSPSTLSASVGDRVITITCRASQGISSWLAWYQQKPGKAPKLLIYAASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTP
AAR91610.1 DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYNASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQDTNTP
AAW33454.1 DIQMTQSPSSLSASVGDRVITITCRASQTISSYLNWYQQKPGKAPPELLIYAASRLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTP
AAV73914.1 DIQMTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYSASALQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQDSSAP
1RZI DIQMTQSPS-LSASVGDRVITITCRASQSISSYLNWYQQKPGKVPKLLIYAASSLQSGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTS
AAW69005.1 DIQMTQSPSSLSASLGDRVITITCRASQHISSYLNWYQQKPGKAPKLLIYAASSLQSGVPSRFTGSGSGADYTLTISSSLQPEDFATYYCQQSYSTS
AAC13460.1 AE-LTQSPSSLSASVGDRVITITCRASQNISSYLNWYQQKPGKAPKLLIYAASSLQSGVLSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTP
AAB30087.1 DIQMTQSPSSLSASIGDRVITITCRASQSIKYLSWYQQKPGRAPKLLIYTASSLQGGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQNYNTP
AAB26310.1 -E-LTQSPSSLSASVGDRVITITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQRGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSIP
AAW33481.1 DIQLTQSPSSVSASVGDRVITITCRASQGISRHLNWYQQKPGKAPKLLIYDASNLETGVPSRFRSGSGSGTDFTLTISSSLQPEDFATYYCQQSYSTP*

X93632 DIVMTQSPLSLPVTTPGEPASISCRSSQSLHNSNGYNYLDWYLQKPGQSPQLLIYLGNSRASGVDPDRFSGSGSGTDFTTLKISRVEAEDVGVIYCMQALQTP
AAW63081.1 ----TQSPLSLPVTTPGEPASISCRSSQSLHANGYNYLDWYLQKPGQSPQVLIYLGNSRASGVDPDRFSGSGSGTDFTTLKISRVEAEDVGVIYCMQALQTP
AAK61518.1 ELVMTQSPLSLPVTTPGEPASISCRSSQSLQSSNGHNYLNWYLQKPGQSPQFLIHLGNSRASGVDPDRFSGSGSGTDFTTLKISRVEAEDVGVIYCMQALQTP
AAB25910.2 DIVMTQTPLSLSVTPGQPASISCKSSQSLHSDGKTYLYWYLQKPGQSPQLLIYEVFNRFSGVDPDRFSGSGSGTDFTTLKISRVEAEDVGVIYCMQSIQLP
ABC67123.1 DIVMTQSPLSLPVTTPGEPASISCRSSQSLHRNGYNYLDWYLQKPGQSPQLLIYLGNSRAFGVDPDRFSGSGSGTDFTTLKISRVEAEDVGVIYCMQALQTR

ABC66952.1	DIVMTQSPLSLPVTTPGEPASISCRSNQSLLYSNGYNYLDWYLQKPGQSPQLLIYSGSNRASGVPDRFSGSGSGTDFTLTKISRVEAEDVGVIYCMQALQSP
CAA84373.1	DIVMTQSPLSLPVTTPGEPASISCRSSQSLHLSNGNLYLDWYLQKPGQSPQLLIYLGSNRASGVPDRFSGSGSGTDFTLTKISRVEAEDVGVIYCMQALQTP
CAA73230.1	DIVMTQSPLSLPVTTPGEPASISCRSSQSLHSDGYNLSLDWFLQRPQGQSPQLLIYLGSNRASGVPDRFSGSGSGTDFTLTKISRVEAEDVGVIYCMQVQLQTP
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AAN16433	QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNYVYWYQQLPGTAPKLLIYRNNQRPSPGVPDRFSGSKSGTSASLAISGLRSEDEADYYCAAWDDSLVF
AAN02492	QSVLTQPPS-ASGTPGQRVITISCSGSSSNIGSNYVYWYQQLPGTAPKLLIYRNNQRPSPGVPDRFSGSKSGTSASLAISGLRSEDEADYYCAAWDDSLAS
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AAD23184.1 -----S-VSGSPRKTVTISCSVNTGNIASNYVQWYQQRPDNAPNIVIFEDDQRPSPGVDRFGSIDISSNFASLTIFGLSPEDEADYYCQSYHDTT
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AAR02935.1 -----VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTAVIYKDNQRPSPGVDRFGSIDSSSNSASLTISGLKTEDEADYSCQSYDTSS

CAE18302.1	-----HS-VSGSPGQTVTISCARSSGSIANSFVQWYQLRPGSTPTTVIFEDDQRPSPGVPDRFSGSVDGSSNVASLTISGLKIEDEADYFCQSYDATI
ABA1670.1	-----SDFGRGNISCTRSSGGITSNYVQWYQQRPGSSPTTVIYEDDQRPSPGVPDRFSGSIDTSSNSASLTISGLKTEDEADYHCQSYDISN
BAC01822.1	-----HS-VSESPGKTVTISCTRSSGSIASNYVQWYQQRPGSAPTPTVIYEDNQRPSPGVPDRFSGSIDSSNSASLTISGLKTEDEADYYCQSYDSSK
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AAD23175.1	-----S-VSESPGKTVTISCTGSSGSIADNYVQWYQQRPGSAPTPTVIYEDNHRPSGVPDRFSGSIDSPSNFASLTIFGLKTEDEADYYCQSFDDNH