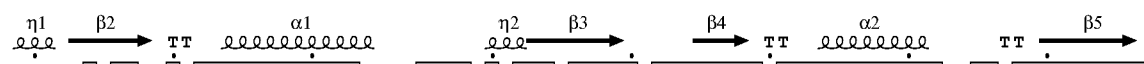
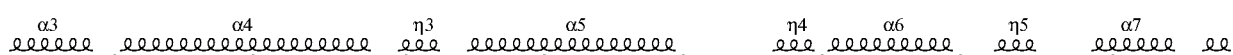




hs_Q05397	1	.....MAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
mmG7N067	1	.....VLLTEYDRYLASSKIMAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
fd_A0A091D8K0	1	MLELAGREALKPAGAVYMEKSGCSPFPMCWAKEYDRYLAPSKIMAAAYLDPNLNHTPNSSAKTHLGTGMERSPGAMERVLKVFHYFES
tc_L9KLU4	1	.....MAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
mf_G7PD12	1	.....MAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
rn_Q35346	1	.....MAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
cg_A0A061IJK6	1	.....MINIWCFLLTKYDRYLASSKRMAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFEN
md_L5MIB4	1	MLELAGRQALKPAGAGCMEKSGCSPFPVCWAKEYDRYLASSKIMAAAYLDPNLNHTPNSSAKTHLGTGMERSPGAMERVLKVFHYFES
gg_Q00944	1	.....MAAAYLDPNLNHTPNSSAKTHLGTGMERSPGAMERVLKVFHYFEN
af_A0A087RDA6	1	.....EYDRYLASSKTMMAAYLDPNLNHTPNSSKTHLSTGMERSPGAMERVLKVFHYFEN
hs_H0YBP1	1	.....XYDRYLASSKIMAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFES
cg_G3I7E2	1	.....MAAAYLDPNLNHTPNSSKTHLGTGMERSPGAMERVLKVFHYFEN
ca_A0A091IJF5	1	.....EYDRYLASSKTMMAAYLDPNLNHTPNSSKTHLSTGMERSPGAMERVLKVFHYFEN
xl_Q91738	1	.....MAAAYLDPNLNHTPNSSAKTHLGTGMERSPGAMERVLKVFHYFES
hg_G5C8Y8	1	.....MAAAYLDPNLNHTPNSSKTHLSSGVERSPTGMERVLKVFHYFES
mf_U3FZE0	1	.....MAAAYLDPNLNHTPNSSKTHLSSGVERSPTGMERVLKVFHYFES
cl_R7VT98	1	.....YDRYLASSKTMMAAYLDPNLNHTPNSSAKSHLSSGLERSPGAMERVLKVFHYFEN
dr_Q98SN4	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
nn_A0A091S5Z3	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
ac_A0A094K9V8	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
ta_A0A093F1Y1	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
pc_A0A091T5G4	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
fg_A0A093J4Z7	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
cb_S5U643	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
sm_A0A087U867	1	.....MAAAYLDPNPTHALNQGKVPFSA GMERTAAALERVLKVFHYFES
lh_A0A0A9XYV5	1	.....MAAKIEDVTSKIR
lv_Q7Z1D3	1	.....MASKAREKMMLVQYPNG



hs_Q05397	46	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
mmG7N067	61	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
fd_A0A091D8K0	90	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
tc_L9KLU4	46	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
mf_G7PD12	46	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
rn_Q35346	46	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
cg_A0A061IJK6	67	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
md_L5MIB4	90	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
gg_Q00944	46	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
af_A0A087RDA6	57	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
hs_H0YBP1	57	NSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
cg_G3I7E2	46	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
ca_A0A091IJF5	57	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
xl_Q91738	46	NNEPATWA	SNIRHGDA	TDVRGIIQKIVD	S....	HKVKNVA	SYGLRLSHL	HSEEVHHLV	DIGVSHIREKYE	Q	SHHP	EEWKYELRIRYLPK
hg_G5C8Y8	1	MMMMKDKILM	. . . . .	KVMRMKGIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
mf_U3FZE0	46	NNEPTTWA	STIRHGDA	TDVWGIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
cl_R7VT98	56	SSEPTTWA	STIRHGDA	TDVRGIIQKIVD	S....	HKVKHVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
dr_Q98SN4	46	SSEPCSWA	SNIRHGDS	TDVRGIIQKILD	I....	HKVRCV	SFCFLRLSHL	RTEHHLV	DMGVSHVREKYE	H	SHHP	DDRWYELRIRYLPK
nn_A0A091S5Z3	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
ac_A0A094K9V8	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
ta_A0A093F1Y1	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
pc_A0A091T5G4	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
fg_A0A093J4Z7	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
cb_S5U643	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
sm_A0A087U867	1	.....	.....	GIIQKIVD	S....	HKVKNVA	CYGFRLSHL	RSEEVHHLV	DMGVSSVREKYE	L	AHHP	EEWKYELRIRYLPK
lh_A0A0A9XYV5	14	VQLPSGIF	PTVKHNEST	DIRSIIAGVT	GTLD	GTRRI	TCYGLRIA	AHLPSADVYWLHR	DATMGQVVS	RFSD	SHHP	IAEWSFELRVFVPPK
lv_Q7Z1D3	19	. . . . .	SFNSVKCME	TDIKNVIHAVVG	KLAR	GERRA	FESFAV	RLQHTL	SEECHWLR	DLTV	GQVKKYEA	YHPAEEWKYELRIRYLPK



hs_Q05397	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
mmG7N067	147	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
fd_A0A091D8K0	176	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
tc_L9KLU4	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
mf_G7PD12	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
rn_Q35346	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
cg_A0A061IJK6	153	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
md_L5MIB4	176	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
gg_Q00944	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
af_A0A087RDA6	143	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
hs_H0YBP1	143	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
cg_G3I7E2	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
ca_A0A091IJF5	143	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
xl_Q91738	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
hg_G5C8Y8	84	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
mf_U3FZE0	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
cl_R7VT98	142	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
dr_Q98SN4	132	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
nn_A0A091S5Z3	1	.....	.....	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK
ac_A0A094K9V8	67	GFLNQFTEDKPTLNFFY	QOVKSDYMLEI	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK	
ta_A0A093F1Y1	1	.....	.....	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK
pc_A0A091T5G4	1	.....	.....	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK
fg_A0A093J4Z7	1	.....	.....	ADQVDQEI	ALKLGCLEIRRSY	W	EMRGNALEKKS	SNYEVLEKD	VGLKRFF	P	PKSLSDSVKAK
cb_S5U643	15	SFLNQFTEDQPALNYFY	HQVRSYMMEV	ADHV	DQDI	ALKLGCLEIRRF	FR	EMPGNALDKKS	SNYELLEKD	VGLRRFF	P	PKSLSDSVKPK
sm_A0A087U867	47	DIRDMFEDKVTFLYFY	QOVKNDYLS	.L	DIEIDQELAI	QCCIEIRRF	FK	DMTHVALDKKS	NFEFLERDIGLHKL	P	PSRVTINNKPK	
lh_A0A0A9XYV5	102	SLAELYEKDRLTFLFFY	QVRSYDLTNP	A	ASKIELD	TAVTVACYA	KHFF	DLPMALDKKS	SNVEYLEKEVGLGRFF	P	PAKIMETHKTK	
lv_Q7Z1D3	102	NYHELLEKDKVSFFYFY	QVRC DYMNEV	A	ELVQD	DISLGLCLEMRFF	FK	DMPQIALDKKAN	FDYLEKEIGLKRFF	P	PKNVINDTKPK	

		α8	η6	α9	η7	TT	β6	β7	β8	β9	η8	β10	β11
hs_Q05397	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
mmG7N067	234	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
fd_A0A091D8K0	263	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
tc_L9KLU4	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
mf_G7PD12	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
rn_Q35346	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
cg_A0A061IJK6	240	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
md_L5MIB4	263	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
gg_Q00944	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
af_A0A087RDA6	230	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
hs_H0YBP1	230	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
cg_G3I7E2	220	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
ca_A0A091IJF5	230	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
x1_Q91738	219	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
hg_G5C8Y8	171	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
mf_U3FZE0	219	NLRKMIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
cl_R7VT98	229	TIPVNY...LLLKKIARYQIVTF...S.PYRNNQRIPGC											
dr_Q98SN4	219	SLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
nn_A0A091S5Z3	69	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
ac_A0A094K9V8	154	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
ta_A0A093F1Y1	69	TLRKLIIQQTFRQFANLNREESILKFFFEILSPVYRFDKCECFKC											
pc_A0A091T5G4													
fg_A0A093J4Z7													
cb_S5U643	102	TLRKSIIQQTFRQFANLNREESIVKFFFEILSPVYRFDKCECFKC											
sm_A0A087U867	133	ALRKVIQSHFKRFASLSEVDCMFMFLSKVHPVIVKYDQESFRC											
lh_A0A0A9XYV5	190	ALRKLIIQGHFKKICISDRDCLLKFETLRTIYAFDEERFQC											
lv_Q7Z1D3	189	NLRKLIIQYFKQFANLNREESQCVKFFFEVLTVHRRFDHEKFKC											

		β12	β13	α10
hs_Q05397	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
mmG7N067	322	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
fd_A0A091D8K0	351	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
tc_L9KLU4	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
mf_G7PD12	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
rn_Q35346	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
cg_A0A061IJK6	328	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
md_L5MIB4	351	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
gg_Q00944	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
af_A0A087RDA6	318	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
hs_H0YBP1	318	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
cg_G3I7E2	282	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
ca_A0A091IJF5	318	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
x1_Q91738	307	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
hg_G5C8Y8	259	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
mf_U3FZE0	307	NEDK...DRKGMLQMKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
cl_R7VT98	298	TEGD...STTSLGSLGQALPPS	PCTMTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
dr_Q98SN4	306	ER...ERKGMILLD VAGAPE	PLTVTTTTLNTIAENMADLIDGYCRLVNG	SSSFIVRVQKE
nn_A0A091S5Z3	157	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
ac_A0A094K9V8	242	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
ta_A0A093F1Y1	157	SEDK...DRKGMLQLKIAGAPE	PLTVTAPSLTIAENMADLIDGYCRLVNG	TQSFIIRPQKE
pc_A0A091T5G4	1			
fg_A0A093J4Z7	1			
cb_S5U643	189	EQ...EKKGILQLD VAGAAE	PLKVTTPCVSTAENMADLIDGYCRLVNG	SISFIVRVQKE
sm_A0A087U867	221	TSDVSTSKPVLQKIDGASE	MLSISCPASVAESIALIDGYCQLVHG	TKKSFWTQKGGRTSKSRHRHNST
lh_A0A0A9XYV5	278	SGCK...THPKALLRLSVVDASE	ALTISCANLSEAESLAHLLDGYWRLENP	SKDKHIWDRDTSKKS
lv_Q7Z1D3	276	STDN...DKKGLLQLKIAGANE	SVYITTPSPSTIAEDMADLIDGYCRLVNL	TEQSLIIRAQQAENAVTRRSAKKA

		β14	η9		
hs_Q05397	366	GERALPSIPKLANSEKQ	GMRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
mmG7N067	381	GERALPSIPKLANSEKQ	GMRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
fd_A0A091D8K0	410	GERALPSIPKLANSEKQ	GVRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
tc_L9KLU4	366	GERALPSIPKLANSEKQ	GVRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
mf_G7PD12	366	GERALPSIPKLANSEKQ	GMRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
rn_Q35346	366	GERALPSIPKLANSEKQ	GMRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
cg_A0A061IJK6	387	GERALPSIPKLANSEKQ	GIRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
md_L5MIB4	410	GERALPSIPKLANSEKQ	GVRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
gg_Q00944	366	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
af_A0A087RDA6	377	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
hs_H0YBP1	377	GERALPSIPKLANSEKQ	GMRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
cg_G3I7E2	341	GERALPSIPKLANSEKQ	GIRTHAVSVS	ETDDYAEIIDEEDTYTMPST	TRDYE
ca_A0A091IJF5	377	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
x1_Q91738	366	GERALPSIPKLANNEKH	GVRPHAVSVS	ETDDYAEIIDEEDTYTMPST	SKSYGLDEA
hg_G5C8Y8	318	GERALPSIPKLANNEKQ	GVRTHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
mf_U3FZE0	366	GERALPSIPKLANNEKQ	GIRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
cl_R7VT98	357	GERALPSIPKLANNEKQ	GMRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
dr_Q98SN4	363	GERALPSIPKAPKSNH	EKRRLQGVRAKAVSI	ETDDYAEIIDEEDTYTMPST	RDYE
nn_A0A091S5Z3	216	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
ac_A0A094K9V8	301	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
ta_A0A093F1Y1	216	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
pc_A0A091T5G4	2	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
fg_A0A093J4Z7	2	GERALPSIPKLANNEKQ	GVRSHAVSVS	ETDDYAEIIDEEDTYTMPST	RDYE
cb_S5U643	246	GERALPSIPKAPKSNH	DKRRLQSVRAKAVSV	ETDDYAEIIDEEDTYTMPST	RDYE
sm_A0A087U867	292	NFSNLPSSPEK		ETDDYAEIIVEEGDYSTP	KDYE
lh_A0A0A9XYV5	341	QEPK		ETDDYAEIPEEGDYSTP	KDYE
lv_Q7Z1D3	363	RNAVQDVTC	GDRLALPSIPKDSRLPST	ETDDYAEIIVDDDYAMP	KDYE

QQQQ

hs_Q05397	682	EEKAQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
mmG7N067	697	EEKAQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
fd_A0A091D8K0	726	EEKAQQEEERMRMESRRQASVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMP	GS	IYPGQASL
tc_I9KLU4	682	EEKVQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
mf_G7PD12	682	EEKAQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
rn_O35346	682	EEKVQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
cg_A0A061IJK6	703	EEKVQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
md_L5MIB4	726	EEKQHEERVRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	PALAG	SM	YPPGQASL
gg_Q00944	682	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
af_A0A087RDA6	695	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
hs_H0YBP1	693	EEKAQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	TAMA	GS	IYPGQASL
cg_G3I7E2	657	EEKVQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	TNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
ca_A0A091IJF5	693	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
xL_Q91738	695	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGF	VAHGI	PMS	GN	MYPPGQASV
hg_G5C8Y8	640	EEKAQQEEERMRMESRRQATVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	TAMP	GS	IYPGQASL
mf_U3FZE0	682	EEKLQQEEERIRMESRRQVTVSWDGGSDDAPPKPSRPGYSPRSSEGFYPSPOHMIQ	PNHYQD	...	...	...	...
c1_R7VT98	673	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGL	PAMA	GS	IYPGQASL
dr_Q98SN4	684	EEKAQQEEERSRMEMRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMQ	HNHYQVSGY	GPHGL	LSVP	GGL	YPPQATV
nn_A0A091SSZ3	532	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
ac_A0A094K9V8	617	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
ta_A0A093F1Y1	532	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
pc_A0A091T5G4	318	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
fg_A0A093J4Z7	318	EEKLQQEEERMRMESRRQVTVSWDGGSGDEAPPKPSRPGYSPRSSEGFYPSPOHMVQ	PNHYQVSGY	GSHGI	PAMA	GS	IYPGQASL
cb_S5U643	567	EE	...	...	...	...	...
sm_A0A087U867	597	EERRQQEEV MKRENRR I HAMS WGS SC SDE PPKPS RLPVD QSSVASLPLRVNSNLVHS	SFYST	GT	...	ETV	YME
lh_A0A0A9XYV5	640	EEKSQQQEELRRENRRVQAMSWGSSFDSDDKTASGGTTYIVAQ	DPQQLAQ	LMKEA	...	EVT	KRLNPSLYNAAASP
lv_Q7Z1D3	697	EEKKEQEEAALKQEKRRILSTWGFPEEPPPKERTIQEQ	...	...	...	...	...

▲ = Group II amino acid residues. Residue conservation with respect to human version of FAK (hs_Q05397) according to Scorecons is as follows: R508 = 100%; R514 = 78.5%; K515 = 100%; K578 = 100%; K621 = 100%; K627 = 95%.