

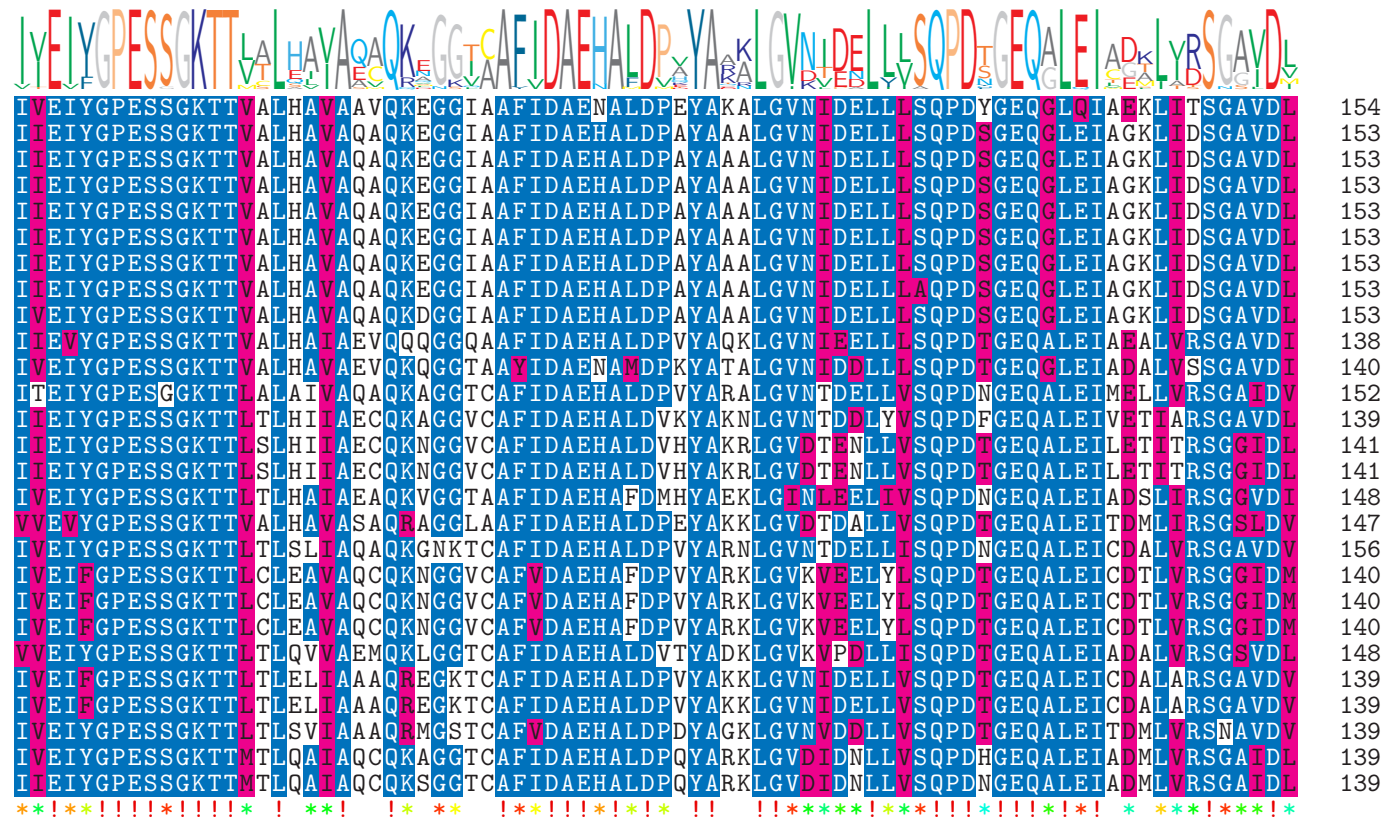
logo

NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVSVVSSGSLALD	I	ALGAGGYPKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVMSSGSLALD	I	ALGSGGYPKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVMSSGSLALD	I	ALGAGGYPKGR	73
NTDB id 115 BSU 16940 NP 389576.2	MSDRQAALDMALKQIEKQ	FGKGSIMKLGEK	.TDTRISTVPSGSLALD	T	ALGIGGYPRGR	58	
NTDB id 625 LCA RS02525 WP 011374196.1	MAKDERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVSTVSSGSLALD	E	ALGVGGYPRGR	60	
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKATETAM	QIEKAFGKGSIMKLGA	E.SKLDVQVVSTGSLSLD	L	ALGVGGIPRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDDNKRKSLDAALKSLDKT	FGKGTILRLGDK	.EVEQIDSIGTGSVGLD	L	ALGIGGVPRGR	59	
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDEDKQKATSLAIKQIDKV	FGKGALVRLGDK	.QVEKIDAISTGSLGLD	L	ALGIGGVPRGR	61	
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDEDKQKATSLAIKQIDKV	FGKGALVRLGDK	.QVEKIDAISTGSLGLD	L	ALGIGGVPRGR	61	
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKKKALAAVLEKLDKT	YKGKTVMKLGDGTVD	HNIEVIPSGSLGLD	L	ALGVGGYPRGR	68
NTDB id 142345 VV02 RS17905 WP 052593694.1	MAPA..PRSS	ESGDKLKSLDVLVLSQIEKA	HGKGAVMRLGDD	.VRPPIDVPTGSTALD	V	ALGIGGLPRGR	67
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAQIEKQ	FGKGSIMKLQGT	.EQLDIESVSTGSLGLD	L	ALGIGGLPMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QENLEVISTGSLGLD	L	ALGVGGLPRGR	60	
NTDB id 1124 NGFG RS03960 WP 003688695.1	MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QENLEVISTGSLGLD	L	ALGVGGLPRGR	60	
NTDB id 1123 OK783 RS03845 WP 003688695.1	MSDDKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QENLEVISTGSLGLD	L	ALGVGGLPRGR	60	
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....K..KAAS	MSAEKQKALAAALAQIEKQ	FGKGSIMKMGDA	.EVEPVQVVSTGSLGLD	V	ALGVGGLPRGR	68
NTDB id 1165 A1552VC RS01565 WP 000344154.1	MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLD	I	ALGAGGLPMGR	59	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDENKQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVETISTGSLSLD	I	ALGAGGLPMGR	59	
NTDB id 1205 PSJM300 05545 AFN77183.1	MDENKKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIP	SISTGSLGLD	I	ALGIGGLPKGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDNKKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLD	I	ALGIGGLPKGR	59	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDENKSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEAVSTGSLTLD	I	ALGIGGLPKGR	59	
consensus		*** **	***! *!!*****	*	*****!!*!!*!!*!!*!!*!!*!!*!!		

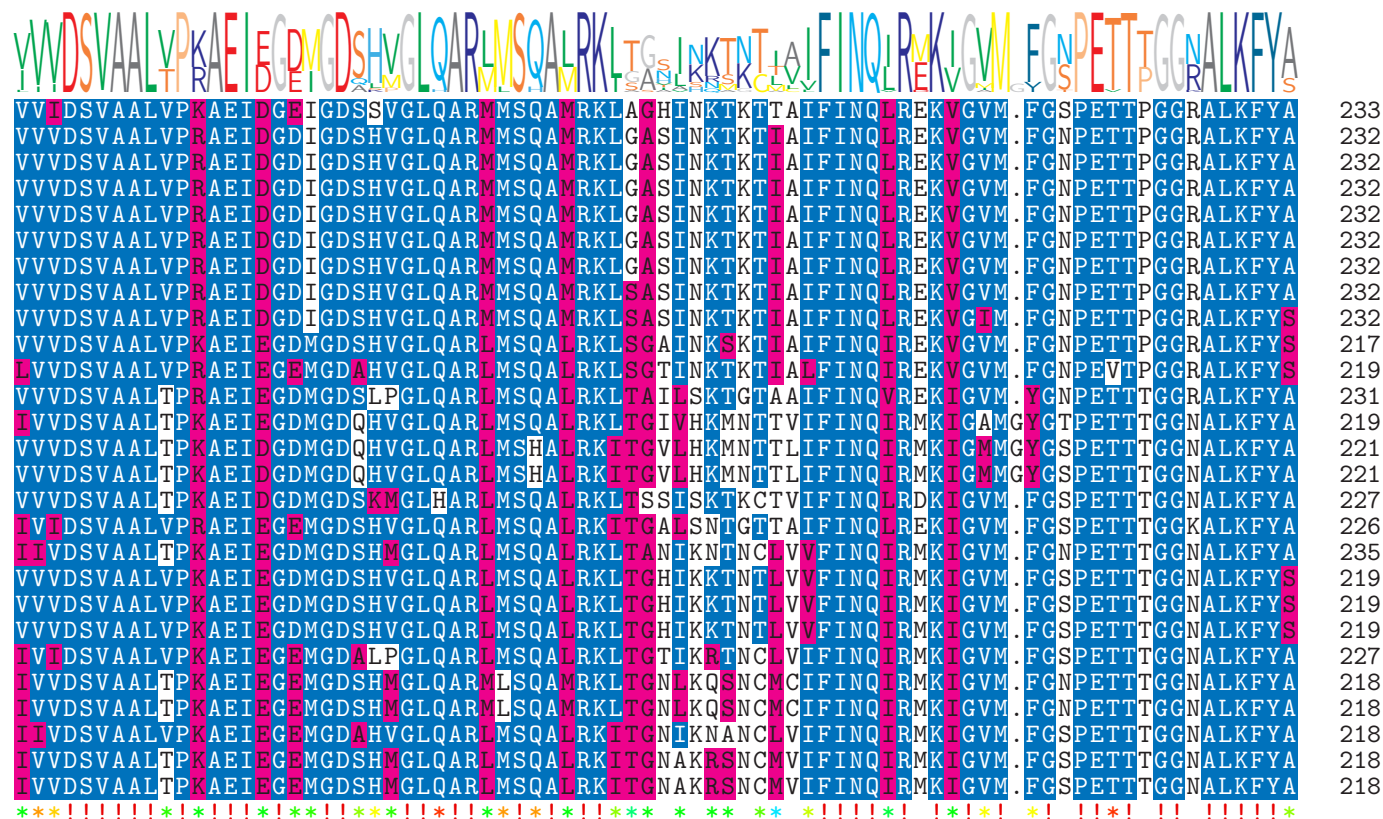
```

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 142345 VV02 RS17905 WP 052593694.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

```



NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 142345 VV02 RS17905 WP 052593694.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus



logo

NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFGEGISSTGELINIAVEEGTIKKSGAWFAYN	312
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKEAVVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTNVGKETKIKVVKNKVAPPFKEAFVEIMYEGEGISKTGELLKIASDLDIKKAGAWYSYK	311
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSNIGKETKIKVVKNKVAPPFKVAEVEIMYEGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIIMYEGEGISRTGELVKIASDLGIQKAGAWYSYN	311
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYEGEGISKEGEIIDLGTELDIVQKSGSWYSYE	292
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKVAEVDIMYGGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAAVANTVKIKTVKNKVAAPFKEVELALVYGKGFQDLSDLVGLAADMDIINKAGSFYSYG	307
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNEEPIGNRVKVVKNKVAPPFRQAEFDVMFGGLSREGELIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEVIGNRTKVVKNKVAPPFKSAEFDIMYGGVSKVGEILDVATDLDIIQKSGSWFSYQ	307
NTDB id 142345 VV02 RS17905 WP 052593694.1	SVRLDIRRIET....L.KDGSDPVGNRTRVKNKVAPPFQAEFDILYGHGISREGGLIDMGVEHGFVRKSGAWTYE	301
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEIIGSETKVVKNKVAPPFRQAEFDIMYEGEGISRMNELLILAEANGFIKKSGAWFSYD	310
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWSYN	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWSYN	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYEGEGISWEGELIDIGVKNDIINKSGAWSYN	294
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKGEVVGNETKVVKNKVAPPFRQAEFDILYAGAGVSREGEIIDLGVEAKVVEKSGAWSYN	302
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWSYN	293
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWSYN	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYGKGIVRNGEIIDLGVQQGLVEKSGAWYAYK	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVKNKMAPPFRQAEFQILYGKGVNQLGELVDLAVQQNIVQKAGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIVGSETKVVKNKMAPPFKEAIFQILYGKGTNQLGELVDLAVQQDIVQKAGAWYSYQ	293
consensus	*!!**!* * * ** *****!!*!!*!!*!!*!!*!!* * * *****!!*!!*!!* ***** * * * * ! !*****!	

NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 142345 VV02 RS17905 WP 052593694.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
NTDB id 1124 NGFG RS03960 WP 003688695.1
NTDB id 1123 OK783 RS03845 WP 003688695.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
consensus

Sequence	Score
DEKIGQGA ¹ E ² KA ³ KN ⁴ YL ⁵ KE ⁶ HQ ⁷ DV ⁸ FDEID ⁹ HK ¹⁰ VRAAH ¹¹ GL ¹² LDSEVAETEEETTASKT.KAK.AKK....EEKA...VETEEIE	382
DEKIGQGS ¹ EN ² AK ³ KYLA ⁴ EH ⁵ PEIF ⁶ DEID ⁷ DK ⁸ Q ⁹ RSKF ¹⁰ GL ¹¹ IDGEEVSEQDTENKKDE.....PKK.....EEA.....VNEEVP	375
DEKIGQGS ¹ EN ² AK ³ KYLA ⁴ EH ⁵ PEIF ⁶ DEID ⁷ DK ⁸ Q ⁹ RSKF ¹⁰ GL ¹¹ IDGEEVSEQDTENKKDE.....PKK.....EEA.....VNEEVP	375
DEKIGQGS ¹ EN ² AK ³ KYLA ⁴ EH ⁵ PEIF ⁶ DEID ⁷ DK ⁸ Q ⁹ RSKF ¹⁰ GL ¹¹ IDGEEVSEQDTENKKDE.....PKK.....EEA.....VNEEVP	375
DEKIGQGS ¹ EN ² AK ³ KYLA ⁴ DN ⁵ PEIF ⁶ DEID ⁷ HQ ⁸ VRVQF ⁹ GL ¹⁰ IDGEEIAES....KKDE.....AAQ.....VDS.....VNEEVT	371
DEKIGQGS ¹ EN ² AK ³ KYLA ⁴ DN ⁵ PEV ⁶ FAEID ⁷ HQ ⁸ VRVQF ⁹ GL ¹⁰ IDGEEAAES....KKDE.....VAQ.....VDS.....VNEEVT	371
GEKIGQGS ¹ EN ² AK ³ RYLA ⁴ DHP ⁵ QLF ⁶ DEID ⁷ RK ⁸ VRVKF ⁹ GL ¹⁰ LEESEESAMAVASE.....E.....TDDLA	367
GEKIGQGS ¹ EN ² AK ³ KFLA ⁴ DN ⁵ PEIF ⁶ DD ⁷ IDHK ⁸ VRVQY ⁹ GL ¹⁰ IEEDNTEEKQSSKEK.....ET.....DEK.....ADKNLV	372
EE ¹ RL ² GG ³ RENA ⁴ KQFL ⁵ KN ⁶ KDIM ⁷ LMIQE ⁸ QIREHY ⁹ GL ¹⁰ DNNGVVQQQAETQEEL..EFE..E.....	348
SERIGQGS ¹ RENA ² KNYLA ³ DH ⁴ ED ⁵ VE ⁶ RLK ⁷ VRAAY ⁸ GIS ⁹ SDVPEEDLPTTEDE.QI..NIL.PDD.....ST.....EE..	355
DERIGQG ¹ KE ² KTIAY ³ IA ⁴ ERP ⁵ EME ⁶ QEIRDRV ⁷ MAAIRAGNAGEAPALAPAPAAPEAAAA	363
DKKLGGGREN ¹ SKA ² FL ³ KN ⁴ PEIA ⁵ DEIT ⁶ KA ⁷ IQNSM ⁸ GIEGMISGSEDDEG..EE.....	343
DKKLGGGREN ¹ AK ² ALL ³ KED ⁴ KALA ⁵ DEIT ⁶ LK ⁷ IKESIG ⁸ SNEEIMPLPDEPL..EEME.....	347
DKKLGGGREN ¹ AK ² ALL ³ KED ⁴ KALA ⁵ DEIT ⁶ LK ⁷ IKESIG ⁸ SNEEIMPLPDEPL..EEME.....	347
DT ¹ KL ² GG ³ GRD ⁴ TV ⁵ KEL ⁶ IK ⁷ DN ⁸ PELA ⁹ EE ¹⁰ LEAK ¹¹ IREKLQAK.....	343
GDQLGGGKEN ¹ ART ² FL ³ KN ⁴ PD ⁵ LA ⁶ DEIE ⁷ EKK ⁸ IK ⁹ EKL ¹⁰ GV ¹¹ GPQVDKPADA ¹² AK..AIDAGKAVGAGKVAGA ¹³ AKTGG ¹⁴ VAA ¹⁵ PPVSEVP	379
GTKIGQGK ¹ NN ² AV ³ KL ⁴ KN ⁵ PEIA ⁶ DK ⁷ LE ⁸ QEIRNT ⁹ LA ¹⁰ SN ¹¹ PN ¹² SVLKATASD..SNDE.....SDVEEFS	368
GAKIGQGK ¹ DN ² RV ³ WL ⁴ KN ⁵ PEIS ⁶ DEID ⁷ AK ⁸ IRALN ⁹ GVEMHITEGT.....QD.....ETDGERP	346
GAKIGQGK ¹ DN ² RV ³ WL ⁴ KN ⁵ PEIS ⁶ DEID ⁷ AK ⁸ IRALN ⁹ GVEMHITEGT.....QD.....ETDGERP	346
GAKIGQGK ¹ DN ² RV ³ WL ⁴ KN ⁵ PEIS ⁶ DEID ⁷ AK ⁸ IRALN ⁹ GVEMHITEGT.....QD.....ETDGERP	346
GE ¹ RIGQGR ² DN ³ CRE ⁴ FL ⁵ RNA ⁶ EL ⁷ AREI ⁸ EN ⁹ KVREHL ¹⁰ GV ¹¹ TPMGAV.TLAE..VEED	352
GDKIGGKAN ¹ ACK ² YL ³ KN ⁴ PEIA ⁵ AKT ⁶ LDKK ⁷ REMLLN ⁸ PENMQLIAETSS..AADD.....VEFGAVP	351
GDKIGGKAN ¹ ACK ² YL ³ KN ⁴ PEIA ⁵ AKT ⁶ LDKK ⁷ REMLLN ⁸ PENMQLIAETSS..AADD.....VEFGAVP	351
GSKIGGKAN ¹ AAK ² YLEN ³ PEIG ⁴ QIE ⁵ EQQ ⁶ IRAKLL ⁷ V ⁸ TSANTKATPVAE..DLAD.....ADI....	347
GNKIGQGK ¹ NN ² VIR ³ YLEN ⁴ PQISTE ⁵ IEAV ⁶ IREQLLTKASDQTAA.HDE..TEEE.....PDLL..E	348
GNKIGQGK ¹ NN ² VIR ³ YFENN ⁴ QIA ⁵ EI ⁶ ERN ⁷ IREQLLTGTNGAVQ.I.E..DEEE.....PDLL..L	347

logo

		LELEDELLEEE	
NTDB id 600 KW2 RS01765 WP 011675413.1	LELED.....	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	LDLGDELEIEIEE	388	
NTDB id 228 SPD RS09265 WP 001085462.1	LDLGDELEIEIEE	388	
NTDB id 194 SPR RS08825 WP 001085462.1	LDLGDELEIEIEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	LDLGDELEIEIEE	388	
NTDB id 499 SM12261 RS08315 WP 078228268.1	LDLGDELEIEIEE	384	
NTDB id 527 SMSK321 RS11065 WP 001085454.1	LDLGDELEIEIEE	384	
NTDB id 453 Spy49 1753c ACI62003.1	LDLDNGIEIED..	378	
NTDB id 408 SMU RS09530 WP 002262392.1	LELDDTIELED..	383	
NTDB id 115 BSU 16940 NP 389576.2		348	
NTDB id 625 LCA RS02525 WP 011374196.1		355	
NTDB id 1313 DR RS12030 WP 010888966.1		363	
NTDB id 1245 Cj1673c YP 002345041.1		343	
NTDB id 1211 C694 RS00795 WP 000963128.1		347	
NTDB id 1214 NCTC11637 00359 SQJ03206.1		347	
NTDB id 1334 RAOC RS04870 WP 004918236.1		343	
NTDB id 142345 VV02 RS17905 WP 052593694.1	VKF.....	382	
NTDB id 1389 A4U84 RS07560 WP 021112712.1	EEEL.....	372	
NTDB id 1130 NGFG RS03960 WP 003688695.1	EE.....	348	
NTDB id 1124 NGFG RS03960 WP 003688695.1	EE.....	348	
NTDB id 1123 OK783 RS03845 WP 003688695.1	EE.....	348	
NTDB id 1427 RS RS02760 WP 011000510.1		352	
NTDB id 1165 A1552VC RS01565 WP 000344154.1	EEF.....	354	
NTDB id 1142 GTF74 RS11550 WP 000344154.1	EEF.....	354	
NTDB id 1205 PSJM300 05545 AFN77183.1		347	
NTDB id 1022 ACIAD RS06390 WP 004925639.1	S.....	349	
NTDB id 1074 ABD1 RS10195 WP 000344167.1	ES.....	349	
consensus			

- X non conserved
- X similar
- X ≥ 50% conserved