

logo



NTDB id 152117 AKG30 RS12715 WP 003600065.1	SVRLDVRGQVVKDGGK...DVGFA	SKLKVTKN	KVAPPFKSV	VETMS	FGHGIEHNT	DMINLATDKDND	IDVITKSGSW	307
NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQ	IGKITKIKV	VKNKVAPPFK	VALVD	IMFGEGISST	GELLNIAV...EEGI	IKKSGAW	308
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKV	VKNKVAPPFK	EAVVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKV	VKNKVAPPFK	EAVVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKV	VKNKVAPPFK	EAVVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKIKV	VKNKVAPPFK	EAVVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGNTQIKGTG.DQKDTN	VGKETKIKV	VKNKVAPPFK	EAFVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGNTQIKGTG.DQKDTN	VGKETKIKV	VKNKVAPPFK	EAFVE	IMYGEGISKT	GELLKIAS...DLDI	IKKAGAW	307
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGNTQIKGTG.DQKDTN	VGKETKIKV	VKNKVAPPFK	EAFVE	IMYGEGISKT	GELVKIAS...DLDI	IKKAGAW	307
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGKETKIKV	VKNKVAPPFK	EAFVE	IITYGEGISRT	GELVKIAS...DLGI	IKKAGAW	307
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT...DM	IGNRARIKV	VKNKVAPPFK	VAEVD	IMYGGISRT	GELVDMAV...EKDI	INKSGSW	290
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN...DM	MGNKTKIKV	VKNKVAPPFK	RTAEVD	IMYGEGISKE	GEETIDLGT...ELDI	VQKSGSW	288
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ...PTKVGND	AVANTVKIKT	VKNKVAAPFK	EVELAL	VYGGKGF	QLSDLVGLAA...DMDI	IKKAGSF	303
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKIVAT...L.KQNE	EPIGNRVK	VKNKVAPPFK	QAEFD	VMFGEGLS	REGELIDYGV...KLDI	VDKSGAW	290
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA...L.KQNE	EQHIGNRAK	VKNKVAPPFK	REAEFD	IMFGEGISKE	GEETIDYGV...KLDI	VDKSGAW	292
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS...L.KQNE	EQHIGNRAK	VKNKVAPPFK	REAEFD	IMFGEGISKE	GEETIDYGV...KLDI	VDKSGAW	292
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEV	IGNRTKV	VKNKVAPPFK	SAEFD	IMYGEGV	SKVGEILDVAT...DLDI	IQKSGSW	303
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV...V.KGD	DEIIGSETK	VKNKVAPPFK	REVQFD	IMYGEGISRM	NELLILAE...ANGFI	IKKSGAW	306
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVLGNETR	VKNKVAPPFK	QAEFD	DILYGEGISW	EDELIDYGV...KNDI	INKSGAW	290
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVLGNETR	VKNKVAPPFK	QAEFD	DILYGEGISW	EDELIDYGV...KNDI	INKSGAW	290
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVLGNETR	VKNKVAPPFK	QAEFD	DILYGEGISW	EDELIDYGV...KNDI	INKSGAW	290
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS...I.KKG	DEVVGNETK	VKNKVAPPFK	REAEFD	DILYGAGVS	REGEIDLVG...EAKV	VEKSGAW	298
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEVLGNETR	VKNKIAAPFK	EANTQ	IMYGGFN	REGELIDLGV...KHKM	VEKSGAW	289
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEVLGNETR	VKNKIAAPFK	EANTQ	IMYGGFN	REGELIDLGV...KHKM	VEKSGAW	289
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA...V.KEG	DEVVGNETR	VKNKVAPPFK	QAEFQ	IILYGKGI	YRNGEIDLVG...QQGL	VEKSGAW	289
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ...V.KEG	DEIVGSETK	VKNKMAPPFK	EAI	FQILYGKGT	NQLGELVDLAV...QQDI	VQKAGAW	289
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ...V.KEG	DEIVGSETK	VKNKMAPPFK	REAI	FQILYGKGV	NQLGELVDLAV...QQNI	VQKAGAW	289
consensus	*!!*****	*	**	*****!*****	*****	*****	*****	*****

logo



NTDB id 152117 AKG30 RS12715 WP 003600065.1	YNYGKERLIGQGLVNASHYLD EHLEISKEIEEK TREQVAPKKPEEADEKQDDKKDDQASADKKTEKTTTTDTEKKSDKKDD	387
NTDB id 600 KW2 RS01765 WP 011675413.1	FAYNDEKIGQGA EKA KNYLKEHQDV FDEIDHKVRAAHGL LLDDSEVAETEETETASKTKAKAKKEEKAVETEEIELE.LED	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	YSYKDEKIGQGS ENAKKYLAEHPEIF DEIDKQVRSKFG LIDGEEVSEQD TENKKDE....PKKEEA..VNEEVPLD.LGD	380
NTDB id 228 SPD RS09265 WP 001085462.1	YSYKDEKIGQGS ENAKKYLAEHPEIF DEIDKQVRSKFG LIDGEEVSEQD TENKKDE....PKKEEA..VNEEVPLD.LGD	380
NTDB id 194 SPR RS08825 WP 001085462.1	YSYKDEKIGQGS ENAKKYLAEHPEIF DEIDKQVRSKFG LIDGEEVSEQD TENKKDE....PKKEEA..VNEEVPLD.LGD	380
NTDB id 159 SP RS09750 WP 001085462.1	YSYKDEKIGQGS ENAKKYLAEHPEIF DEIDKQVRSKFG LIDGEEVSEQD TENKKDE....PKKEEA..VNEEVPLD.LGD	380
NTDB id 527 SMSK321 RS11065 WP 001085454.1	YSYKDEKIGQGS ENAKKYLADNPEVFAEIDHQVVRVQFGL LIDGEEAAE....SKKDE....VAQVDS..VNEEVTLD.LGD	376
NTDB id 499 SM12261 RS08315 WP 078228268.1	YSYKDEKIGQGS ENAKKYLADNPEIF DEIDHQVVRVQFGLIDGEEIAE....SKKDE....AAQVDS..VNEEVTLD.LGD	376
NTDB id 453 Spy49 1753c ACI62003.1	FSYNGEKIGQGS ENAKRYLADHPQLF DEIDR KVRVKFGL LEESEESAMAVASE.....E.....TDDLALD.LDN	372
NTDB id 408 SMU RS09530 WP 002262392.1	YSYNGEKIGQGS ENAKKFLADNPEIF DDIDHKVVRVQYGLIEEDNTEEKQSSKEK.....ETDEK..ADKNLVLE.LDD	377
NTDB id 625 LCA RS02525 WP 011374196.1	YSYGSERIGQGR ENAKNYLADHEDVEDEVRLK VRAAYGISDVPPEEDLPTTEDE.QI.NILPDDST.....EE.....	355
NTDB id 115 BSU 16940 NP 389576.2	YSYEEERLIGQGR ENAKQFLKENK DIMLMIQEQIREHYGLDNNGVVQQAEETQEEL.EFE.E.....	348
NTDB id 1313 DR RS12030 WP 010888966.1	YSYGDERIGQGK EKTIA YIAERP EME QEI RD RVMAAIRAGNAGEAPALAPAPAAPEAAEA.....	363
NTDB id 1245 Cj1673c YP 002345041.1	FSYKDKKLGQGR ENSKAFLKENPEI ADEITKAIQNSMGTEGM....ISGSEDDE..GEE.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	LSYQDKKLGQGR ENAKALLKEDKAL ADEITLKI KESIGS NEE....IMPLPDEP..LEEME.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	LSYQDKKLGQGR ENAKALLKEDKAL ADEITLKI KESIGS NEE....IMPLPDEP..LEEME.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	FSYQDTKLGQGR DTVKELIKDNPEL AEELEAKIREKLQAK.....	343
NTDB id 1389 A4U84 RS07560 WP 021112712.1	FSYDGTKIGQGN NAV W LKENPEI ADKLEQEIRNTLASNPN....SVLKATASDSNDESDV.....EEFSEEL..	372
NTDB id 1130 NGFG RS03960 WP 003688695.1	YSYNGAKIGQKDN VRVWLKENPEI SDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	YSYNGAKIGQKDN VRVWLKENPEI SDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	YSYNGAKIGQKDN VRVWLKENPEI SDEIDAKIRALNGVEMH....ITEGTQDET.....D.....GERPEE....	348
NTDB id 1427 RS RS02760 WP 011000510.1	YSYNGERIGQGR DNCREFLRENAELAREI ENK VREHLGV TPM....GAVTLA.EEVEED.....	352
NTDB id 1165 A1552VC RS01565 WP 000344154.1	YSYNGDKIGQGN ANACKYLKENPEI AKTLDK KLREMLLN PEN....MQLIAETSSAADDVEF.....GAVPEEF...	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	YSYNGDKIGQGN ANACKYLKENPEI AKTLDK KLREMLLN PEN....MQLIAETSSAADDVEF.....GAVPEEF...	354
NTDB id 1205 PSJM300 05545 AFN77183.1	YAYKGSKIGQGN ANA AKYLEENPEIGQEIEQQIRAKLLVTSA....NTKATPVAEDLADAD.....I.....	347
NTDB id 1074 ABD1 RS10195 WP 000344167.1	YSYQGNKIGQGN NVIRYFEENN QIAEEIERNIREQLLTTGT....NGAVQ.I.EDEEEDP.....LLES....	349
NTDB id 1022 ACIAD RS06390 WP 004925639.1	YSYQGNKIGQGN NVIRYLEEN PQISTEIEAVIREQLLTKAS....DQTAA.HDETEEEDP.....LLES....	349
consensus	***! **!!!***** ** * *** ***** ** **	

logo

NTDB id	Accession	Sequence	Score
152117	AKG30 RS12715 WP 003600065.1	PASFGVDRLV	397
600	KW2 RS01765 WP 011675413.1	.....	387
269	KZH43 RS08665 WP 001085462.1	ELEIEIEE..	388
228	SPD RS09265 WP 001085462.1	ELEIEIEE..	388
194	SPR RS08825 WP 001085462.1	ELEIEIEE..	388
159	SP RS09750 WP 001085462.1	ELEIEIEE..	388
527	SMSK321 RS11065 WP 001085454.1	ELEIEIEE..	384
499	SM12261 RS08315 WP 078228268.1	ELEIEIEE..	384
453	Spy49 1753c ACI62003.1	GIEIED....	378
408	SMU RS09530 WP 002262392.1	TIELED....	383
625	LCA RS02525 WP 011374196.1	.....	355
115	BSU 16940 NP 389576.2	.....	348
1313	DR RS12030 WP 010888966.1	.....	363
1245	Cj1673c YP 002345041.1	.....	343
1214	NCTC11637 00359 SQJ03206.1	.....	347
1211	C694 RS00795 WP 000963128.1	.....	347
1334	RAOC RS04870 WP 004918236.1	.....	343
1389	A4U84 RS07560 WP 021112712.1	.....	372
1130	NGFG RS03960 WP 003688695.1	.....	348
1124	NGFG RS03960 WP 003688695.1	.....	348
1123	OK783 RS03845 WP 003688695.1	.....	348
1427	RS RS02760 WP 011000510.1	.....	352
1165	A1552VC RS01565 WP 000344154.1	.....	354
1142	GTF74 RS11550 WP 000344154.1	.....	354
1205	PSJM300 05545 AFN77183.1	.....	347
1074	ABD1 RS10195 WP 000344167.1	.....	349
1022	ACIAD RS06390 WP 004925639.1	.....	349

consensus

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