

logo

NTDB id 1037 TT RS09535 WP 011174226.1	MDPLALALLPGIGPKRLLLEVKAED.....PLGFL.....RERFPE...A	37
NTDB id 1314 DR RS00625 WP 010886768.1	MTLPSPAAAHAE...LALLTLRFTPGLGPRRIENLRRHFGSAEAAALAPLTEL.....RRVEGL...D	58
NTDB id 1073 ABD1 RS00865 WP 015451369.1	MLT.....QLSSHYYHTLKVVWYLVQH....SLVSFKK.....IIDYFGNCEK.....A...TQPDGLAK	47
NTDB id 1043 HON27 RS16615 WP 168727007.1	MLT.....QLSSHQYHTLKVVWYLVQH....SLVSFKK.....IIDYFGNCEK.....A...TQPDGLAK	47
NTDB id 1021 ACIAD RS00975 WP 004930462.1	MIT.....ILSSHYYHTLKVVWYLVQH....SLSGFKK.....LIHYFGDCET.....A...LQPQRSLD	47
NTDB id 1361 HI 0985 AAC22646.1	MNDITYTLLRLMQVPKLGVGIDKILSNITLNELLNYDDVAFR...QMGWGAIQIR...R	54
NTDB id 1388 A4U84 RS04945 WP 062924099.1	MTHLTKLLALLQVPQLGAQRIGRLLSEVDFGEFCQYDKTALK...QMGWNERQIQ...R	53
NTDB id 1094 KZH42 RS01320 WP 002224767.1	MTEDERFAWLQLAFTPYIGAESFLLLMMRFGSAQNALSAPAEQV....AALIRHKQALEA	56
NTDB id 1089 NMB RS00600 WP 002224767.1	MTEDERFAWLQLAFTPYIGAESFLLLMMRFGSAQNALSAPAEQV....AALIRHKQALEA	56
NTDB id 1120 NGFG RS10355 WP 020997408.1	MTEDERFAWLQLAFTPYIGAESFLLLMMRFGSAQNALSAPAEQV....APAVRHKHALEA	56
NTDB id 1122 OK783 RS09595 WP 003705341.1	MTEDERFAWLQLAFTPYIGAESFLLLMMRFGSAQNALSAPAEQV....APAVRHKHALEA	56
NTDB id 626 LCA RS04960 WP 011374694.1	MLTKNQLLLKVHLAAGFGTISELR...A...LSTSHNWA.....LSALEIAQIARLP.	49
NTDB id 1399 DSB67 RS15600 WP 010645755.1	MTPQNDIDLAAWLKLSCLPGIGGVKMNKLLSKDTPSNIVQYSTEQLQ...LLGLTAKQLQ...A	58
NTDB id 1152 A1552VC RS00200 WP 000654772.1	MKDQDLAAWLALCFTPKLGSKTISHLLATRLPAQLQSFTPKQWL...ACGLKPEQLV...F	55
NTDB id 1250 GC085 RS13065 WP 027219989.1	MNNLQPLLALNRMKRIGP....RTV...LK.....LQKRWPDNLNMFQLSSVDLEEAG.LPS	49
NTDB id 25 SA RS06185 WP 000593194.1	MIKLFLLKLYWAH.F....STKQIHQ.....FLMAYPNVIK....EEGRKKDSYLCE	43
NTDB id 40 MW RS06080 WP 000593192.1	MIKLFLLKLYWAH.F....STKQIHQ.....FLMAYPNVIK....EEGRKKDSYLCE	43
NTDB id 114 BSU 16110 NP 389493.1	...MDQAAVCLTICRINQLLSPSL...LKWWKADP....SMSLTSP.....VLQ.....TVTRDQIK...A	49
NTDB id 258552 CW734 RS19035 WP 232787037.1	MITNFDLFRWKKAGM....TNLGVNK.....LLKFFRKYDR.....KISLRQMG...Q	0
NTDB id 599 KW2 RS05940 WP 021037268.1	MDNFQLFKLKKAGL....TNLNLN.....IIDYEERTQK....SLSLRDMA...V	40
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYEIIYKLKKKSGL....TNQQILK.....VLEYGENVDQ....ELLGDI...D	42
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYEIIYKLKKKSGL....TNQQILK.....VLEYGENVDQ....ELLGDI...D	42
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYEIIYKLKKKSGL....TNQQILK.....VLEYGENVDQ....ELLGDI...D	42
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYEIIYKLKKKSGL....TNQQILK.....VLEYGENVDQ....ELLGDI...D	42
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYEIIYKLKKKSGL....TNQQILK.....VLEYGENVDQ....ELLGDI...D	42
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYEIIYKLKKKSGL....TNQQVLA.....VLEYGENVDQ....ELLGDI...E	42
consensus	*.....*	

logo

NTDB id 1037 TT RS09535 WP 011174226.1	WRHL.....P..EA.....EAQAERERRRAEALGVRLGLWEEGFPEGLKALPQPPTHLYLKGEIP.....	91
NTDB id 1314 DR RS00625 WP 010886768.1	SRSVAAIGG..A..KA.....AEEARAELNKA AERGVTLLGRGLPGYPAAALEALGDPPAVLWVRGAGGAELLAGLG	125
NTDB id 1073 ABD1 RS00865 WP 015451369.1	WSSLGLHANHLKRVNEFQTTQ...GQAQFEQLVQQVRQHTDFILTPDDSGYPTQLLPYTDHPPPIIFGKQAQAL.....	118
NTDB id 1043 HON27 RS16615 WP 168727007.1	WSSLGLHANHLKRVNEFQTPQ...GQAQFEQLVQQVRQHTDFILTPDDSGYPTQLLPYTDHPPPIIFGKQAQAL.....	118
NTDB id 1021 ACIAD RS00975 WP 004930462.1	WQKLGLHANHLKRLEEVHTLQ...GQQQFEKMLAQLQHTDFIVTPDDPAYPSQLIPYQDRPPIIFGQGSITQSL.....	118
NTDB id 1361 HI 0985 AAC22646.1	WFKPE.....AKFI.....EPALVWSQK...EGNHLVNYFSPFPYFLLKQTASFPPILFVKGKNTAL.....	108
NTDB id 1388 A4U84 RS04945 WP 062924099.1	WFNPE.....HKWI.....DQALQWAEQ...DQQQILTLFDEEDYPFLLKQISTAPPVLFVVRGNVESL.....	107
NTDB id 1094 KZH42 RS01320 WP 002224767.1	WRNAEKRA.LAR.....QAAEAALWEMR...DGCRLMLLQDEDFPEMLTQGLTAPPVLFRLGNVQLL.....	115
NTDB id 1089 NMB RS00600 WP 002224767.1	WRNAEKRA.LAR.....QAAEAALWEMR...DGCRLMLLQDEDFPEMLTQGLTAPPVLFRLGNVQLL.....	115
NTDB id 1120 NGFG RS10355 WP 020997408.1	WRNAEKRA.LAR.....QAAEAALWEMR...DGCRLMLLQDEDFPEMLTQGLTAPPVLFRLGNVRL.....	115
NTDB id 1122 OK783 RS09595 WP 003705341.1	WRNAEKRA.LAR.....QAAEAALWEMR...DGCRLMLLQDEDFPEMLTQGLTAPPVLFRLGNVRL.....	115
NTDB id 626 LCA RS04960 WP 011374694.1	ERYWPTFQASFQSTTLQRQCIDH...EVRTTYLTILDKDYQRLLETYLPPVLLFYRGDLRL.....	109
NTDB id 1399 DSB67 RS15600 WP 010645755.1	W.....SQVDKEV.....DACLTWVAA...SSHHHILTLADALYPPLLKQTVAPPVLLFVKGGEASCL.....	112
NTDB id 1152 A1552VC RS00200 WP 000654772.1	LT.....TQAAKQA.....EQCLQWRS...ANNRYIVTPHCPLYPRLLKEINSSPPVLFIEGIWEAV.....	110
NTDB id 1250 GC085 RS13065 WP 027219989.1	WLAQ.TIKNFDP...DFI.....KTDLNLWSSS...ENHHILTWDSPYYPALLKEIADPPFIFYAKGELSAL.....	109
NTDB id 25 SA RS06185 WP 000593194.1	WVNREENVLLLRKYYAFI.....KLDHNDI IKELQKLKVSYITYMDSEYPVLLKEIYQFPVLLFYKGNIKLI.....	110
NTDB id 40 MW RS06080 WP 000593192.1	WVNREENVHLLRKYYAFI.....KLDHNDI IKELQKLKVSYITYMDSEYPVLLKEIYQFPVLLFYKGNIKLI.....	110
NTDB id 114 BSU 16110 NP 389493.1	A....ALKNEIEQFYP.....KLPRVLAAYRE..QGINTIPISSKQYPFWLKSIDYDPPAVLFAKGDMTLL.....	108
NTDB id 258552 CW734 RS19035 WP 232787037.1	VAQVKSIPNFIEQYKN.....QDVKKLRADY..KKFSSFSILDDLYPERLREIYNPPVLLIFYQGNTIDL.....	0
NTDB id 599 KW2 RS05940 WP 021037268.1	VSKNKKPLIFMEHYKN.....LDSKALRKEF..NRFPSLSILDKKEYPLELKNIYNPPVLLFYQGDLDDL.....	102
NTDB id 525 SMSK321 RS06295 WP 000705298.1	ISGCRNPAVFMERYFQ.....IDDAHLEKEF..KKIPFSFILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
NTDB id 267 KZH43 RS05590 WP 000705306.1	ISGCRNPAVFMERYFQ.....IDDAHLSKEF..QKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
NTDB id 226 SPD RS05990 WP 000705306.1	ISGCRNPAVFMERYFQ.....IDDAHLSKEF..QKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
NTDB id 192 SPR RS05715 WP 000705306.1	ISGCRNPAVFMERYFQ.....IDDAHLSKEF..QKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
NTDB id 157 SP RS06205 WP 000705306.1	ISGCRNPAVFMERYFQ.....IDDAHLSKEF..QKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
NTDB id 497 SM12261 RS05565 WP 000705318.1	ISGCRNPAVFMERYFQ.....IDDAHLEKEF..QKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLL.....	104
consensus	**** * ** *	

logo

NTDB id 1037 TT RS09535 WP 011174226.1	PEREA	VALVGT	RRAS	SPW	ALAFARKLARELSEAG	LW	IVSGLARGIDREAH	LGALEA	.....	GGRT	TLGV	LGS	ALDRV	YP	PEN	166
NTDB id 1314 DR RS00625 WP 010886768.1	TVPHS	VGIVGT	TRAA	SPHALALTRTIAGELAAAG	VL	IVSGLARGV	DTAAHT	A	ALEAASGEASSPT	TIGV	LGS	AVD	VI	Y	P	205
NTDB id 1073 ABD1 RS00865 WP 015451369.1	LQ.	PQIA	IVGSRKPS	SPHGRQVAYDFAYYLSEKGF	FI	SSGLAYGIDEAAH	QGASA	.....	HQRT	IAVT	TG	LD	TT	Y	PAQN	191
NTDB id 1043 HON27 RS16615 WP 168727007.1	LQ.	PQIA	IVGSRKPS	SPHGRQVAYDFAYYLSEKGF	FI	SSGLAYGIDEAAH	QGAST	.....	HQRT	IAVT	TG	LD	TT	Y	PAQN	191
NTDB id 1021 ACIAD RS00975 WP 004930462.1	IQ.	PQIA	IVGSRKPS	SPHGRQVAYDFSFLSEKGF	YI	TSGLAHGIDEAAH	QGS	LV	.....	HHRA	IAV	VG	TG	LD	CYP	191
NTDB id 1361 HI 0985 AAC22646.1	SQ.	RQMAM	VGSRYCT	TTYGEYWAKHFATELSLAG	FT	ITSGLALGIDGHCH	QAV	VNI	.....	QQQT	IAV	LGS	LE	Q	IYPSKH	182
NTDB id 1388 A4U84 RS04945 WP 062924099.1	SL.	PQIA	IVGSRDYS	HYGEHWAGHFSaelVKHQ	LA	VTSGLAIGIDGFC	HQRAANE	.....	NGIT	IAV	LGS	GLD	QV	Y	PARH	181
NTDB id 1094 KZH42 RS01320 WP 002224767.1	HK.	PSAA	IVGSRHATP	QAMRIAKDFGKSLGGKG	IP	VVSGMASGIDTA	AHQ	GALQA	.....	EGGT	IAV	WG	TG	ID	RIYPPVN	189
NTDB id 1089 NMB RS00600 WP 002224767.1	HK.	PSAA	IVGSRHATP	QAMRIAKDFGKSLGGKG	IP	VVSGMASGIDTA	AHQ	GALQA	.....	EGGT	IAV	WG	TG	ID	RIYPPVN	189
NTDB id 1120 NGFG RS10355 WP 020997408.1	HK.	PSAA	IVGSRHATP	QAMRIAKDFGRALGGKG	IP	TVSGMASGIDTA	AHQ	GALEA	.....	EGGT	IAV	WG	TG	ID	RIYPPAN	189
NTDB id 1122 OK783 RS09595 WP 003705341.1	HK.	PSAA	IVGSRHATP	QAMRIAKDFGRALGGKG	IP	TVSGMASGIDTA	AHQ	GALEA	.....	EGGT	IAV	WG	TG	ID	RIYPPAN	189
NTDB id 626 LCA RS04960 WP 011374694.1	KQ.	PCLAV	VGARQATH	YSKQSLEQLLQGLT	..	ATTI	ISGLAQ	GADAMAHEVALQR	.....	GLAP	IG	VI	GT	GIN	CSYPPQN	181
NTDB id 1399 DSB67 RS15600 WP 010645755.1	PQ.	PQIAM	VGSRNAS	SVDGLQHTRTFASDLVQHD	LI	VTSGLALGIDG	HAHD	GALLA	.....	GGKT	IAV	LGS	LE	Q	VYPARH	186
NTDB id 1152 A1552VC RS00200 WP 000654772.1	HD.	PAVA	IVGSRNAS	SVDGRQIARQFATELAQSG	LV	VTSGLALGIDG	YAH	DGALQA	.....	QQQT	IAV	LGS	LAQ	VY	PKQH	184
NTDB id 1250 GC085 RS13065 WP 027219989.1	TQ.	PSLA	IVGSRNAS	SVTGNENARAFSREISRHG	VS	IVSGLALGIDA	HAHL	GCLEG	.....	GGKT	IAV	LGT	G	ID	CIYPRRH	183
NTDB id 25 SA RS06185 WP 000593194.1	NNMHH	LAVG	ARDST	SYTQQSLEFLLSNDKSKYL	TI	VSGLAQ	GADAMAHQ	IALKY	.....	NLPT	IAV	LA	FG	HQ	THYPKST	185
NTDB id 40 MW RS06080 WP 000593192.1	NNMHH	LAVG	ARDST	SYTQQSLEFLLSNDKSKYL	TI	VSGLAQ	GADAMAHQ	IALKY	.....	NLPT	IAV	LA	FG	HQ	THYPKST	185
NTDB id 114 BSU 16110 NP 389493.1	SKGRK	IGIVGT	TRNPT	IAYGKQVVNHLTKEICRKGW	V	IVSGLASGIDGM	SHAA	SIKA	.....	KGRT	IG	VI	AG	GF	QHIYPREN	183
NTDB id 258552 CW734 RS19035 WP 232787037.1	.....	.....	.....	.....	MLPPL	LAEGFV	IVSGLAKGADAMAHRC	AIDS	.....	GGKT	IAV	IG	SG	FLHRY	PKVN	51
NTDB id 599 KW2 RS05940 WP 021037268.1	KN.	PKLAF	VGSRLAGQS	GIKSVQKIVTE.LNQSFT	IV	SGLAKGIDTA	SHLSA	IKT	.....	KPTI	IAV	IG	TG	L	DIFYPLEN	176
NTDB id 407 SMU RS04605 WP 002262865.1	AR.	PKLAV	VGSRNAS	SQMGA	AAVKKIIQD.LSKQFV	ISGLARGIDTA	AHLS	SLKS	.....	GGAT	IAV	IG	TG	L	DVHYPPKEN	175
NTDB id 525 SMSK321 RS06295 WP 000705298.1	KF.	PKVAV	VGSRSCSKQ	GAKSVEKIIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
NTDB id 267 KZH43 RS05590 WP 000705306.1	KF.	PKVAV	VGSRACSKQ	GAKSVEKVIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
NTDB id 226 SPD RS05990 WP 000705306.1	KF.	PKVAV	VGSRACSKQ	GAKSVEKVIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
NTDB id 192 SPR RS05715 WP 000705306.1	KF.	PKVAV	VGSRACSKQ	GAKSVEKVIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
NTDB id 157 SP RS06205 WP 000705306.1	KF.	PKVAV	VGSRACSKQ	GAKSVEKVIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
NTDB id 497 SM12261 RS05565 WP 000705318.1	KF.	PKVAV	VGSRACSKQ	GAKSVEKVIQG.LENEL	IV	SGLAKGIDTA	AHMAALQN	.....	GGKT	IAV	IG	TG	L	DV	FYPKAN	177
consensus	*	*****	*	*			*	***!!*!!*!!	*!	***		*	***!*****	!!	*	

logo

NTDB id 1037 TT RS09535 WP 011174226.1	RPLAQRMD.....LLSEFPFGTGPKPEFFPRRNR	LIAGLCRAVVVVVEAPLDSGALITARHAELELGKEVLAVPGRPMDERS	241
NTDB id 1314 DR RS00625 WP 010886768.1	HDLAGRMV.....VVSEYPLGTGPAQHHPFSRNRVIA	ALSAGVLVVEGERKSGSLITATHALDCGRTVFAVPGRAGDPRA	280
NTDB id 1073 ABD1 RS00865 WP 015451369.1	KKLAEYILAQNGAIIITEFLPGTPPLQQHFPPRRNR	IVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFATPGHIYSEFH	271
NTDB id 1043 HON27 RS16615 WP 168727007.1	KKLAEHILAKNGAIIITEFLPGTPPLQQHFPPRRNR	IVSGLSLGVLVVEATLKSGSLITANKAAEQGKTVFATPGHIYSEFH	271
NTDB id 1021 ACIAD RS00975 WP 004930462.1	KALKQHIRDQGGAIVSEFLPGTPPLQAHFPPRRNR	IVSGLSLGVLVVEATLKSGSLITANKAAEQGKVVFATPGHIYSEFH	271
NTDB id 1361 HI 0985 AAC22646.1	QRLSAQIIENNGALVSEFLPNQAPIAANFPPRRNR	IISGLSVGTLVVEATEKSGSLITARYALEQNRVEFVAVPGNIQNKSS	262
NTDB id 1388 A4U84 RS04945 WP 062924099.1	KKLAEQIVETSGALVSEFFPSQPPIAENFPPRRNR	IISGLSLGTLVIEATVNSGSLITARYALEQGREVFALPNSVQNPYS	261
NTDB id 1094 KZH42 RS01320 WP 002224767.1	KNLAYEIA.EKGLIVSEFPITGRPYAGNFPPRRNR	LIAALSQVTLVVEAALESGLSITARLAAEMGREVMVAVPGSIDNPHS	268
NTDB id 1089 NMB RS00600 WP 002224767.1	KNLAYEIA.EKGLIVSEFPITGRPYAGNFPPRRNR	LIAALSQVTLVVEAALESGLSITARLAAEMGREVMVAVPGSIDNPHS	268
NTDB id 1120 NGFG RS10355 WP 020997408.1	KNLAYEIA.EKGLIVSEFPITGRPYAGNFPPRRNR	LIAALSQVTLVVEAALESGLSITAGLAAEMGREVMVAVPGSIDNPHS	268
NTDB id 1122 OK783 RS09595 WP 003705341.1	KNLAYEIA.EKGLIVSEFPITGRPYAGNFPPRRNR	LIAALSQVTLVVEAALESGLSITAGLAAEMGREVMVAVPGSIDNPHS	268
NTDB id 626 LCA RS04960 WP 011374694.1	EHLQQVVA.EKGLLLSEYALGTPARRYQFPARNKI	IIAGLCHSLIVTEARHKSGSLITANLALQANRNVYATPGRIDQSLS	260
NTDB id 1399 DSB67 RS15600 WP 010645755.1	RGLAQRVA.ENGALVSEFRPDAPRAENFPPRRNR	IISGLSLGVLVVEAAEKSGSLITARYALEQGREVFALPASINAPNA	265
NTDB id 1152 A1552VC RS00200 WP 000654772.1	QGLAERIII.AQGALVSEFAPHTPPKADHFPPRRNR	IISGLSLGVLVVEAAEKSGSLITARYAAEQGREVFVVPGSIFNAAS	263
NTDB id 1250 GC085 RS13065 WP 027219989.1	LKLAEQIT.ENGALLSEFPLKSPPIAGHFPLNRNR	IISGLSLCILVIEAAIKSGSLITARMALEQNRDVLATPGSIHNPLA	262
NTDB id 25 SA RS06185 WP 000593194.1	LALRNKIE.EKGLVISEYPPHTPIAKYRFPERNRI	IISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMT	264
NTDB id 40 MW RS06080 WP 000593192.1	LALRNKIE.EKGLVISEYPPHTPIAKYRFPERNRI	IISGLSKGVLITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMT	264
NTDB id 114 BSU 16110 NP 389493.1	LQLADHMA.KHHILLSEHPPETKPKQWHFPMNRNR	IISGLSEGVIVVQGKEKSGSLITAYQALEQGREVFVAVPGSLFDPYA	262
NTDB id 258552 CW734 RS19035 WP 232787037.1	DGLSFIIE.ETQLLVSEYPPYMPPRKWNFPMNRNR	IISGLSKGVIVTQAEVKSGLSTIEHALDHGKIDIFAVPGDIFSPLS	130
NTDB id 599 KW2 RS05940 WP 021037268.1	RKIQEYLA.KYQLVLSEYSLGEKPLKYHFPERNRI	IAGLSRGVVVVEAKLRSGSLITCERALEEGRDIFATPGNIADGTS	255
NTDB id 407 SMU RS04605 WP 002262865.1	RRLQDYIA.KNHLVLSEYEAQSQPLKYHFPERNRI	IAGLSQGVMAEAKIRSGSLITCERAMEEGRDVVFVPGNILDGQS	254
NTDB id 525 SMSK321 RS06295 WP 000705298.1	KRLQDYIS.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
NTDB id 267 KZH43 RS05590 WP 000705306.1	KRLQDYIG.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
NTDB id 226 SPD RS05990 WP 000705306.1	KRLQDYIG.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
NTDB id 192 SPR RS05715 WP 000705306.1	KRLQDYIG.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
NTDB id 157 SP RS06205 WP 000705306.1	KRLQDYIG.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
NTDB id 497 SM12261 RS05565 WP 000705318.1	KRLQDYIG.NDHLVLSEYGPGSEQPLKFHFPARNRI	IAGLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLS	256
consensus	* * *	*****! * * * *	!! !! * * * * * ! * * * * * * * * * * ! * * * *

logo

NTDB id 1037 TT RS09535 WP 011174226.1	LGANRLIQDGAYPVLSAEDVLSYLGMSARP....KP.....LPGLSPEEEEALYA	286
NTDB id 1314 DR RS00625 WP 010886768.1	SGPHALIRDGAVLTESAQDVLTELNWGLAP....AP.....AVPDLPEQARVLR	326
NTDB id 1073 ABD1 RS00865 WP 015451369.1	QGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQT.....EEANT.....NTPEIREHLIDLYQ	328
NTDB id 1043 HON27 RS16615 WP 168727007.1	QGCHQLIREGAILIDHPEQIIEDLALPTQWQSQQQNQT.....EETNT.....NTPEIPEHLIDLYQ	328
NTDB id 1021 ACIAD RS00975 WP 004930462.1	QGCHQLIREGAILVDHPEQIIEDLALPTHWHSQSTASGEANADDSGKT.....DDADLPDDLPLYQ	333
NTDB id 1361 HI 0985 AAC22646.1	QGCHRLIKQGAMLVENAKDILETLYQHS...IHSQTEIDFDQ....IA....VPNYTPPPDPR...RL.VEAPSHPKLYS	327
NTDB id 1388 A4U84 RS04945 WP 062924099.1	EGCHKLIKEGALLVENVEDILEAIAWQRQS.VHIQPSL.FDT....KP.....KQAVKSEPKFAKNLPELTACQQQLFE	329
NTDB id 1094 KZH42 RS01320 WP 002224767.1	KGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSSILD	348
NTDB id 1089 NMB RS00600 WP 002224767.1	KGCHKLIKDGAKLVECLDDILNECPGLLQNTGASSYSINKGIPEKRITAVQTASDQLSLPEGKMPSEKTENRPVGGSSILD	348
NTDB id 1120 NGFG RS10355 WP 020997408.1	KGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRRTVQTAY..APPPAAKMPSEGAAGGTAVGGILD	346
NTDB id 1122 OK783 RS09595 WP 003705341.1	KGCHKLIKDGAKLTECLDDILNECPGLLQNTGASSYSINKDTPDTGRRAVQTAY..APPPAAKMPSEGAAGGTAVGGILD	346
NTDB id 626 LCA RS04960 WP 011374694.1	QGCNQLIAAGATPILLDKNILTEELRYFD.....FSAVIDE.....EELPFPQLLA	288
NTDB id 1399 DSB67 RS15600 WP 010645755.1	SGGNQLIQNGACLVTQNTQEVLENIQSLLDWSINQSL....DL.....FSAVIDE.....EELPFPQLLA	320
NTDB id 1152 A1552VC RS00200 WP 000654772.1	QGSNQLIRQGACLVTQSVQQLIHQELKNALTWSLSEQVPYQATL.....FSAVQSD.....EELPFPPELLA	322
NTDB id 1250 GC085 RS13065 WP 027219989.1	RGCHYLLQQGAKLVTSVADVLDLDELKIEHHQ....FTSNKPI.....FSLASGK.....ENLVK	311
NTDB id 25 SA RS06185 WP 000593194.1	KGNLLRIQEGAKVVLNANDIFEDYYI.....YTEPF.....	290
NTDB id 40 MW RS06080 WP 000593192.1	KGNLLRIQEGAKVVLNANDIFEDYYI.....YTEPF.....	290
NTDB id 114 BSU 16110 NP 389493.1	GGPIKLIQQGAKATWSAEDIFEELPERNVQ.....YTEPF.....	297
NTDB id 258552 CW734 RS19035 WP 232787037.1	AGPHKLIAEGAKPVWNGAQVLEEYRQLRS.....	159
NTDB id 599 KW2 RS05940 WP 021037268.1	DGCNHLIQQGAKLVYQAQDILEEYLYN.....	282
NTDB id 407 SMU RS04605 WP 002262865.1	EGCHHLIQEGAKCITSGFDILNEFNF.....	280
NTDB id 525 SMSK321 RS06295 WP 000705298.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 157 SP RS06205 WP 000705306.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	DGCHHLIQEGAKLVTSGQDVLAEFEF.....	282
consensus	!*** ** *!!*** **** *	

logo

NTDB id 1037 TT RS09535 WP 011174226.1	LLQEKKEALPEALAMALGIPPERVLSLLTLLLELKGLARALPGGRYGP...	334
NTDB id 1314 DR RS00625 WP 010886768.1	ALQTPAT..LDDLAATTGLSIPELQ TALVMLQLQGLAYEV..GGRWSR....	370
NTDB id 1073 ABD1 RS00865 WP 015451369.1	SLDWV.GQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS..	376
NTDB id 1043 HON27 RS16615 WP 168727007.1	SLDWV.GQNIDQLVVHHNIPVSELTSSLMELELLGLCMQQSGLYLRCRS..	376
NTDB id 1021 ACIAD RS00975 WP 004930462.1	LLDWQ.GQDL DQLAQHYQGSTAELTAQLMELELLGVCIQQSGRYLRCRSPY	383
NTDB id 1361 HI 0985 AAC22646.1	RIGYT.PVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV....	373
NTDB id 1388 A4U84 RS04945 WP 062924099.1	QISLE.PISVDDLAKATDMAVETALIELLNLELLGVVKQVRGGYVIT....	375
NTDB id 1094 KZH42 RS01320 WP 002224767.1	RMGFD.PVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT.	397
NTDB id 1089 NMB RS00600 WP 002224767.1	RMGFD.PVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT.	397
NTDB id 1120 NGFG RS10355 WP 020997408.1	KMGFD.PIHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT.	395
NTDB id 1122 OK783 RS09595 WP 003705341.1	KMGFD.PVHPDVLAGQLAMPAADLYAALLELELDGSVAAMPGGRYQRIRT.	395
NTDB id 626 LCA RS04960 WP 011374694.1	.....	288
NTDB id 1399 DSB67 RS15600 WP 010645755.1	NVGNE.ATPVDILASRTNIPVQEVMMQLLELELSGHVVAVSGGYIRKGRG.	369
NTDB id 1152 A1552VC RS00200 WP 000654772.1	NVGIE.ATPIDILASRTQIPVQDIMMQLLELELLGHVVAVPGGYIRKGRG.	371
NTDB id 1250 GC085 RS13065 WP 027219989.1	FIGFE.TTTIDQIIDRSYGMEQVTSGLAEELELKGA VIAVPGGYIRCEYER	361
NTDB id 25 SA RS06185 WP 000593194.1	.....	290
NTDB id 40 MW RS06080 WP 000593192.1	.....	290
NTDB id 114 BSU 16110 NP 389493.1	.....	297
NTDB id 258552 CW734 RS19035 WP 232787037.1	.....	159
NTDB id 599 KW2 RS05940 WP 021037268.1	.....	282
NTDB id 407 SMU RS04605 WP 002262865.1	.....	280
NTDB id 525 SMSK321 RS06295 WP 000705298.1	.....	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	.....	282
NTDB id 226 SPD RS05990 WP 000705306.1	.....	282
NTDB id 192 SPR RS05715 WP 000705306.1	.....	282
NTDB id 157 SP RS06205 WP 000705306.1	.....	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	.....	282
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved