

```

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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 304985 DV114 RS05160 WP 101755208.1
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 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

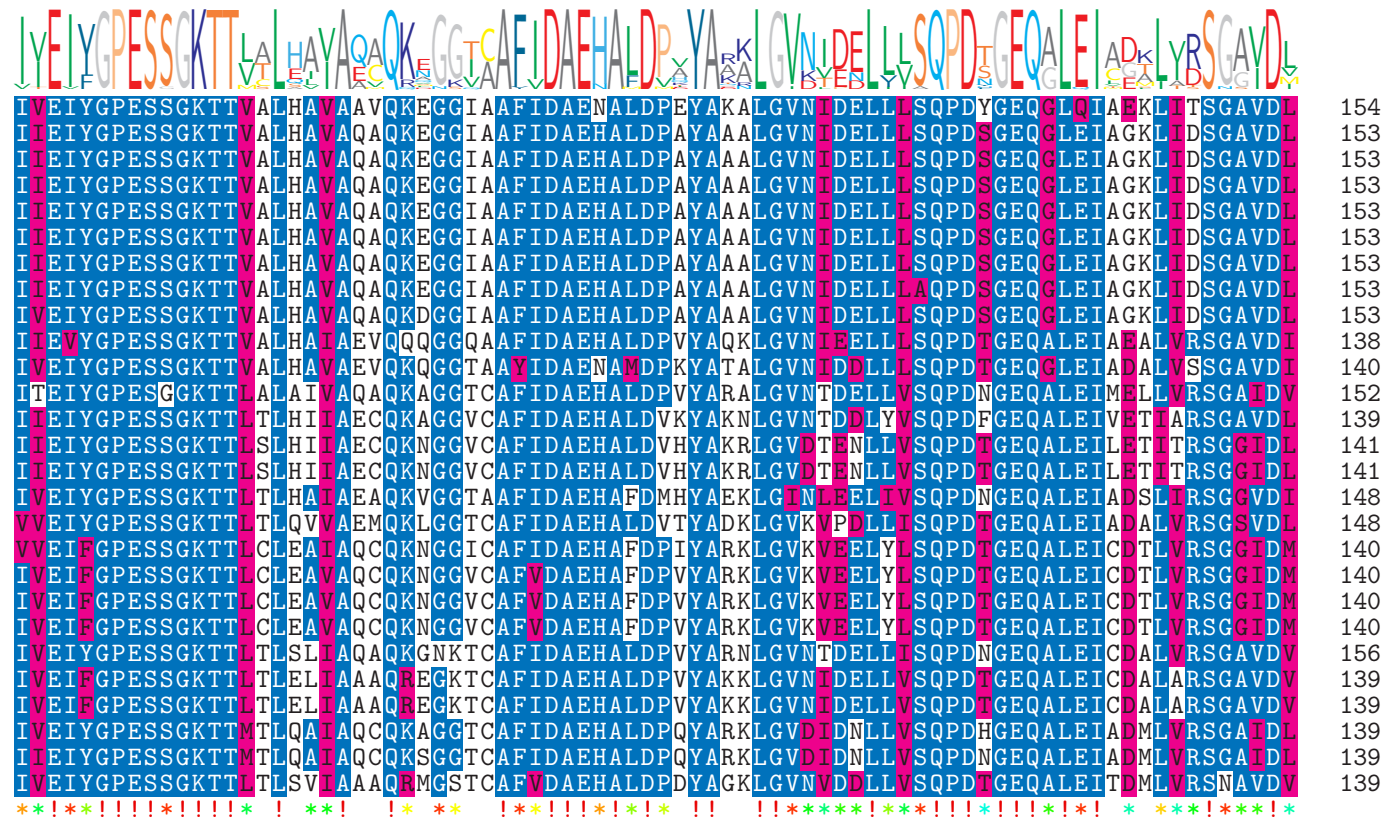
```



```

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 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1334 RAOC RS04870 WP 004918236.1
NTDB id 1427 RS RS02760 WP 011000510.1
NTDB id 304985 DV114 RS05160 WP 101755208.1
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 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1165 A1552VC RS01565 WP 000344154.1
NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

```



NTDB	id	600	KW2	RS01765	WP	011675413.1	VV	IDSVAALVPKAEID	GHI	GDSSVGLQARMMSQAMRKL	AGH	INKTKTT	TA	IFINQLREK	VGV	M	FGSPETT	PGGRALKFYA	233
NTDB	id	269	KZH43	RS08665	WP	001085462.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	228	SPD	RS09265	WP	001085462.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	194	SPR	RS08825	WP	001085462.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	159	SPR	RS09750	WP	001085462.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	499	SM12261	RS08315	WP	078228268.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	527	SMSK321	RS11065	WP	001085454.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	GAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	453	Spy49	1753c	ACI62003.1		VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	SAS	INKTKTT	TA	IFINQLREK	VGV	M	FGNPETT	PGGRALKFYA	232
NTDB	id	408	SMU	RS09530	WP	002262392.1	VV	DSVAALVPRAEID	GD	IGDSHVGLQARMMSQAMRKL	SAS	INKTKTT	TA	IFINQLREK	VGM		FGNPETT	PGGRALKFYS	232
NTDB	id	115	BSU	16940	NP	389576.2	VV	DSVAALVPKAEIE	GDM	GDHSVGLQARLMSQALRKLS	GA	INKSKT	TA	IFINQIREK	VGV	M	FGNPETT	PGGRALKFYS	217
NTDB	id	625	LCA	RS02525	WP	0011374196.1	L	VVDSVAALVPRAEIE	GEM	GDAHVGLQARLMSQALRKLS	SGT	INKTKTT	TA	IFINQIREK	VGV	M	FGNPEVTP	PGGRALKFYS	219
NTDB	id	1313	DR	RS12030	WP	010888966.1	VV	DSVAALTPRAEIE	GDM	GDSLPLGLQARLMSQALRKLT	AIL	LSKTGT	TAA	IFINQVREK	IGVM		YGNPETTT	TGGRALKFYA	231
NTDB	id	1245	Cj1673c	YP	002345041.1		L	VVDSVAALTPKAEIE	GDM	GDAQHVGLQARLMSQALRKLT	G	IVHKMNT	TV	IFINQIRMK	IGAMG	YGT	PETT	TGGRALKFYA	219
NTDB	id	1214	NCTC11637	00359	SQJ03206.1		VV	DSVAALTPKAEID	GDM	GDAQHVGLQARLMSHALRK	IT	GV	LHKMNT	TL	IFINQIRMK	IGMMGY	YGPETT	TGGRALKFYA	221
NTDB	id	1211	C694	RS00795	WP	000963128.1	VV	DSVAALTPKAEID	GDM	GDAQHVGLQARLMSHALRK	IT	GV	LHKMNT	TL	IFINQIRMK	IGMMGY	YGPETT	TGGRALKFYA	221
NTDB	id	1334	RAOC	RS04870	WP	004918236.1	VV	DSVAALTPKAEID	GDM	GDSKMLGHARLMSQALRKLT	SS	ISKTKCTV	IFINQLRDK	IGVM		FGSPETT	TGGRALKFYA	227	
NTDB	id	1427	RS	RS02760	WP	011000510.1	L	VIDSVAALVPKAEIE	GEM	GDALPLGLQARLMSQALRKLT	SGT	IKRTNCL	V	IFINQIRMK	IGVM		FGSPETT	TGGRALKFYA	227
NTDB	id	304985	DV114	RS05160	WP	101755208.1	VV	DSVAALVPKAEIE	GEM	GDSHVGLQARLMSQALRKLT	GHI	KRTNTL	V	VFINQIRMK	IGVM		FGSPETT	TGGRALKFYA	219
NTDB	id	1130	NGFG	RS03960	WP	003688695.1	VV	DSVAALVPKAEIE	GDM	GDSHVGLQARLMSQALRKLT	GHI	KKTNTL	V	VFINQIRMK	IGVM		FGSPETT	TGGRALKFYS	219
NTDB	id	1124	NGFG	RS03960	WP	003688695.1	VV	DSVAALVPKAEIE	GDM	GDSHVGLQARLMSQALRKLT	GHI	KKTNTL	V	VFINQIRMK	IGVM		FGSPETT	TGGRALKFYS	219
NTDB	id	1123	OK783	RS03845	WP	003688695.1	VV	DSVAALVPKAEIE	GDM	GDSHVGLQARLMSQALRKLT	GHI	KKTNTL	V	VFINQIRMK	IGVM		FGSPETT	TGGRALKFYS	219
NTDB	id	1389	A4U84	RS07560	WP	021112712.1	L	IDSVAALTPKAEIE	GDM	GDSHMLGLQARLMSQALRKLT	AN	IKNTNCL	V	VFINQIRMK	IGVM		FGNPETT	TGGRALKFYA	235
NTDB	id	1165	A1552VC	RS01565	WP	000344154.1	L	VVDSVAALTPKAEIE	GEM	GDSHMLGLQARLMSQAMRKL	TGN	LKQSN	CM	CIFINQIRMK	IGVM		FGNPETT	TGGRALKFYA	218
NTDB	id	1142	GTF74	RS11550	WP	000344154.1	L	V											

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKEAVALVDIMFGEGISSTGELINIAVEEGITIKKSGAWFAYN	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.DQKDSNIGKETKIKVVKNKVAPPFKEAEVEIMYEGEGISRTGELVKIASDLDIQKAGAWFSYN	311
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKEAFVEIITYGEGISRTGELVKIASDLGIQKAGAWYSYN	311
NTDB id 115 BSU 16940 NP 389576.2	SVRLEVRRAEQLKQGN.....DVMGNKTKIKVVKNKVAPPFRTAEDVIMYEGEGISKEGEIIDLGTELDIVQKSGSWYSYE	292
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAETIKNGT.....DMIGNRARIKVVKNKVAPPFKEAEVDIMYGGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAAVANTVKIKTVKNKVAAPFKEVELALVYGKGFQDLSDLVGLAADMDIKKAGSFYSYG	307
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKVAT....L.KQNEEPIGNRVKVVVKNKVAPPFRQAEFDVMFGEGLSREGELIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS....L.KQNEQHIGNRAKAKVVKNKVAPPFRQAEFDIMFGEGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334 RAOC RS04870 WP 004918236.1	SVRIDIRRLSDTGKIKDKSGEVIGNRTKVVVKNKVAPPFKSAEFDIMYGEGVSKVGEILDVATDLDIIQKSGSWFSYQ	307
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS....I.KKGDEVVGNETKVVVKNKVAPPFRQAEFDILYGAGVSREGEIIDLGVEAKVVEKSGAWYSYN	302
NTDB id 304985 DV114 RS05160 WP 101755208.1	SVRLDIRRTGQ....I.KKGDDVIGNETKVVVKNKVAPPFRQAEFDILYGEGISWEGELIDLGVKHDIVEKSGAWYSYN	294
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS....I.KKGEVVLGNETRVKVIKNKVAPPFRQAEFDILYGEGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KGDDEIIGSETKVVVKNKVAPPFRQAEFDIMYEGEGISRMNELLILAEANGFIKKSGAWFSYD	310
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPFKEANTQIMYGGGFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVKNKMAPPFRQAEIFAIFYLGGKGVNQLGELVDLAVQQNIVQKAGAWYSYQ	293
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIIGSETKVVVKNKMAPPFRQAEIFAIFYLGGKGVNQLGELVDLAVQQDIVQKAGAWYSYQ	293
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEVVGSETRVKVVKNKVAPPFRQAEFQILYLGKGIYRNGEIIDLGVQQGLVEKSGAWYAYK	293
consensus	*!!**!*~*~**~***!*~*!!*~*!!*~*~***~*!!*~*~***~*~***~*!!*~*~*~	

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	DEKIGQGA	EKAKNYLKEHQDV	DEIDHKVRAAHG	LDDSEVAETEEETT	ASKTKAKAKKEEK	AVETEEIELELED	....	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	.VNEEVPLDLGDE	LEIE	385
NTDB id 228 SPD RS09265 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	.VNEEVPLDLGDE	LEIE	385
NTDB id 194 SPR RS08825 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	.VNEEVPLDLGDE	LEIE	385
NTDB id 159 SP RS09750 WP 001085462.1	DEKIGQGS	ENAKKYLAEHPEIF	DEIDKQVRSKFGL	IDGEEVSEQDTEN	KKDE....PKKEEA	.VNEEVPLDLGDE	LEIE	385
NTDB id 499 SM12261 RS08315 WP 078228268.1	DEKIGQGS	ENAKKYLAADNPEIF	DEIDHQVRVQFGL	IDGEEIAES....	KKDE....AAQVDS	.VNEEVTLDLGDE	LEIE	381
NTDB id 527 SMSK321 RS11065 WP 001085454.1	DEKIGQGS	ENAKKYLAADNPEV	FAEIDHQVRVQFGL	IDGEEAAES....	KKDE....VAQVDS	.VNEEVTLDLGDE	LEIE	381
NTDB id 453 Spy49 1753c ACI62003.1	GEKIGQGS	ENAKRYLADHPQLF	DEIDRKVRVKFGL	LEESEEEESAMAV	ASE.....E.....	TDDLALDLDN	GIEIE	377
NTDB id 408 SMU RS09530 WP 002262392.1	GEKIGQGS	ENAKKFLADNPEIF	DDIDHKVRVQYGL	IEEDNTEEKQSSKE	K.....ETDEK..	ADKNLVLELDD	TIELE	382
NTDB id 115 BSU 16940 NP 389576.2	EERLGGG	RENAKQFLKENKD	IMLMIQEQIREHY	GLDNNGVVQQAEET	QEEL.EFE.E.....	.....	.....	348
NTDB id 625 LCA RS02525 WP 011374196.1	SERIGQG	RENAKNYLADHED	VEDEVRLKVRAA	YGISDVPEEDLPTTE	DE.QI.NILPDDST	EE.....	.....	355
NTDB id 1313 DR RS12030 WP 010888966.1	DERIGQG	KEKTIAYIAERPE	MEQEIRDRVMAA	IRAGNAGEAPALAP	APAAPEAA.EA.....	.....	.....	363
NTDB id 1245 Cj1673c YP 002345041.1	DKKLGGG	RENSKAFLENPEI	ADEITKAIQNSMG	TEGMI.....SGSE	DDGE.....	.....	.....	343
NTDB id 1214 NCTC11637 00359 SQJ03206.1	DKKLGGG	RENAKALLKEDKA	LADAITLKIKESIG	SNEEI.....MPLP	DEPLEEME.....	.....	.....	347
NTDB id 1211 C694 RS00795 WP 000963128.1	DKKLGGG	RENAKALLKEDKA	LADAITLKIKESIG	SNEEI.....MPLP	DEPLEEME.....	.....	.....	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	DTKLGGG	RDTVKELIKDNPE	LAELEAKIREKLQ	AK.....	.....	.....	.....	343
NTDB id 1427 RS RS02760 WP 011000510.1	GERIGQG	RDNCREFLRENAE	LAREIENKVREHL	GVTPMG.....AVT	LAEVEED.....	.....	.....	352
NTDB id 304985 DV114 RS05160 WP 101755208.1	GAKIGQG	KDNVRVWLKENPD	IANEIDAKIRAAV	GINVDI.....TEG	RLLDDTDGER.....	PEE.....	.....	348
NTDB id 1130 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPE	ISDEIDAKIRALN	GVEMHI.....TEG	TQDETGDGER.....	PEE.....	.....	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	GAKIGQG	KDNVRVWLKENPE	ISDEIDAKIRALN	GVEMHI.....TEG	TQDETGDGER.....	PEE.....	.....	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	GAKIGQG	KDNVRVWLKENPE	ISDEIDAKIRALN	GVEMHI.....TEG	TQDETGDGER.....	PEE.....	.....	348
NTDB id 1389 A4U84 RS07560 WP 021112712.1	GTKIGQG	KNNAVKWLKENPE	IAADKLEQEI	RNTLASNPNS....	VLKATASDSNDES	.VEEFSEEEL.....	.....	372
NTDB id 1165 A1552VC RS01565 WP 000344154.1	GDKIGQG	KANACKYLVKENP	EIAKTLDDKKLRE	MLLNPENM....	QLIAETSSAADDV	E..FGAVPEEF.....	.....	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	GDKIGQG	KANACKYLVKENP	EIAKTLDDKKLRE	MLLNPENM....	QLIAETSSAADDV	E..FGAVPEEF.....	.....	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	GNKIGQG	KNNVIRYFEENP	QISTEIEAVIREQ	LLTKASD.....Q	TAA.HDETEEEP	D..LL..ES.....	.....	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	GNKIGQG	KNNVIRYFEENP	QIAEEIERNIREQ	LLTTGTN.....G	AVQ.I.EDEEEP	D..LL..LES.....	.....	349
NTDB id 1205 PSJM300 05545 AFN77183.1	GSKIGQG	KANAACKYLEENP	EIGQIEEQIRAK	LLVTSAN.....	TKATPVAEDLAD	AD..I.....	.....	347
consensus	***!!!	*****	**	*****	*****	**	**	

logo

NTDB id 600 KW2 RS01765 WP 011675413.1	...	387
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388
NTDB id 499 SM12261 RS08315 WP 078228268.1	IEE	384
NTDB id 527 SMSK321 RS11065 WP 001085454.1	IEE	384
NTDB id 453 Spy49 1753c ACI62003.1	D..	378
NTDB id 408 SMU RS09530 WP 002262392.1	D..	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 1214 NCTC11637 00359 SQJ03206.1	...	347
NTDB id 1211 C694 RS00795 WP 000963128.1	...	347
NTDB id 1334 RAOC RS04870 WP 004918236.1	...	343
NTDB id 1427 RS RS02760 WP 011000510.1	...	352
NTDB id 304985 DV114 RS05160 WP 101755208.1	...	348
NTDB id 1130 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1124 NGFG RS03960 WP 003688695.1	...	348
NTDB id 1123 OK783 RS03845 WP 003688695.1	...	348
NTDB id 1389 A4U84 RS07560 WP 021112712.1	...	372
NTDB id 1165 A1552VC RS01565 WP 000344154.1	...	354
NTDB id 1142 GTF74 RS11550 WP 000344154.1	...	354
NTDB id 1022 ACIAD RS06390 WP 004925639.1	...	349
NTDB id 1074 ABD1 RS10195 WP 000344167.1	...	349
NTDB id 1205 PSJM300 05545 AFN77183.1	...	347

consensus

 non conserved
 similar
 ≥ 50% conserved