

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEEKISLLQYIVKNKILSAEQIALTAAGNFQVPMLEINCLDVSTI	80
NTDB id 1177 A1552VC RS01165 WP 000422572.1	.....	0
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	0
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	0
NTDB id 289773 FORC81 RS20830 WP 001326494.1	.....	0
NTDB id 1307 DR RS10055 WP 010888596.1	.....	0
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	0
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	0
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	0
consensus		

logo

NTDB id 1251 GCO85 RS07725 WP 011946523.1	PVNLVNEKLIKRRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE	160
NTDB id 1177 A1552VC RS01165 WP 000422572.1		0
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NTDB id 289773 FORC81 RS20830 WP 001326494.1		0
NTDB id 1307 DR RS10055 WP 010888596.1		0
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	0
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	0
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....	0
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....	0
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....	0
NTDB id 1259 GCO85 RS10305 WP 010947729.1	.....	0
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	0
NTDB id 1202 PSJM300 01600 AFN76400.1	.....	0
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....	0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....	0
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....	0
NTDB id 1040 HON27 RS13360 WP 000355489.1	.....	0
consensus		

logo

NTDB id 1251	GC085 RS07725 WP 011946523.1	DSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFV	NDITELLAFSVKNSASDLHL	SA	240
NTDB id 1177	A1552VC RS01165 WP 000422572.1	.....	MELNQYLDGMLTHKASDLYITV...	GAPILYRVDCGLRAQGEAL.SVA	44
NTDB id 1203	PSJM300 01605 AFN76401.1	.....	MEFEKLLRLMVEKGCSDLFITA...	GVPPSMKVNCKILPVNKTPTMSPE	45
NTDB id 1019	ACIAD RS04205 WP 004922051.1	.....	MDFNDDLNLMAKHKASDLFITA...	CVEPSLKINGEITPVSKTKLDGD	45
NTDB id 289773	FORC81 RS20830 WP 001326494.1	.....	MMEEIVALS SVKHNVSDLHLCS...	AWPARWRIRGRMEA...APFDTP	42
NTDB id 1307	DR RS10055 WP 010888596.1	.....	MTSGIDITDILRLAADKASDILAA...	CLPPQFKLSGYDAQGFEPLSAS	49
NTDB id 1086	NMV RS00245 WP 002218487.1	.....	MQITDLLAFGAKNKASDLHLSS...	GISPMIRVHGDMMRRINLPMSAE	45
NTDB id 1116	NGFG RS10615 WP 003690200.1	.....	MQITDLLAFGAKNKASDLHLSS...	GISPMIRVHGDMMRRINLPMSAE	45
NTDB id 1185	GTF74 RS11940 WP 000350195.1	.....	MDIAELLEFSVKHNASDLHLSA...	GVPPMVRIDGVRKIGVPAFTHS	45
NTDB id 1176	A1552VC RS01160 WP 000350195.1	.....	MDIAELLEFSVKHNASDLHLSA...	GVPPMVRIDGVRKIGVPAFTHS	45
NTDB id 1283	ACE17W RS02630 WP 010947729.1	.....	MDIAELLAFSVKNKSSDLHLISA...	GVPPMIRVDCGLRKINLPPLEHK	45
NTDB id 1259	GC085 RS10305 WP 010947729.1	.....	MDIAELLAFSVKNKSSDLHLISA...	GVPPMIRVDCGLRKINLPPLEHK	45
NTDB id 1194	PAKAF RS01995 WP 003084552.1	.....	MDITELLAFSAKKGASDLHLISA...	GVPPMIRVDCGVRRINLPPLEHK	45
NTDB id 1202	PSJM300 01600 AFN76400.1	.....	MDITELLAFSAKKGASDLHLSS...	GVPPMIRVDCGVRRINLPAMDHK	45
NTDB id 1020	ACIAD RS04210 WP 011182164.1	.....	MDITELLAFSVQNRASDLHLISA...	GVPPMIRVDCGVRRINLPAMDHS	45
NTDB id 1081	FDQ49 RS05335 WP 006581387.1	.....	MDITELLAFSVKNKASDLHLISA...	GVPPMIRVDCGVRRINLPALPHK	45
NTDB id 1060	ABD1 RS04380 WP 000355489.1	.....	MDITELLAFSVKNKASDLHLISA...	GVPPMIRVDCGVRRINLPALPHK	45
NTDB id 1040	HON27 RS13360 WP 000355489.1		MDITELLAFSVKNKASDLHLISA...	GVPPMIRVDCGVRRINLPALPHK	45
consensus			*** **	*****!!*****	*****!*****

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NTDB id 1251	GC085 RS07725 WP 011946523.1	SRITARIKVMNSLDISERRIPQDGGFKMKISKSR.AIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTN	FL	319										
NTDB id 1177	A1552VC RS01165 WP 000422572.1	DVTALHAMDARQAE..FKQTRFANFAVVRD..SCRFRVSAFFQRELPGAVIRRIETRIIP..TFEELKLPEV....LQ	114											
NTDB id 1203	PSJM300 01605 AFN76401.1	MTRETIVHGMNEQQRRRE..FTENHECNFAISARG..ICRFRVSAFYQRNLACMVLRRRIETINIP..TIEDLKLDPDV....LK	116											
NTDB id 1019	ACIAD RS04205 WP 004922051.1	MTAQLIDSITTQKQRQE..FIETHECNFAILNREKNERFRVSAFQQRDMPCGMVIRRIETKIP..SPDDLHLPPPI....LK	117											
NTDB id 289773	FORC81 RS20830 WP 001326494.1	DVEELLREWLDDQRAI..LLENGQLDFAVSLAE..NQRIKRGSAFAQRHGISLALRLPSHCP..QLEQLGAPTIV....LP	113											
NTDB id 1307	DR RS10055 WP 010888596.1	DTRKLMYSMMNERQQHI..FEEKRELDFSFALGD..KARFRVNAFMQRGNVCGVMRLIPTTVR..TIAEMGLPQT....VI	120											
NTDB id 1086	NMV RS00245 WP 002218487.1	EVGNMVTSMNDHQRKI..YQQNLEVDFSFEFELPN..VARFRVNAFNIGRGPAAVFRTIPSTVL..SLEELKAPSI....FQ	116											
NTDB id 1116	NGFG RS10615 WP 003690200.1	EVGNMVTSMNDHQRKI..YQQNLEVDFSFEFELPN..VARFRVNAFNTGRGPAAVFRTIPSTVL..SLEELKAPSI....FQ	116											
NTDB id 1185	GTF74 RS11940 WP 000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVDFSFEFELPN..VGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPEI....FS	116											
NTDB id 1176	A1552VC RS01160 WP 000350195.1	DVHRLIFEIMNDAQRSE..YEEKLEVDFSFEFELPN..VGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPEI....FS	116											
NTDB id 1283	ACE17W RS02630 WP 010947729.1	DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIATN..LARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPPI....FK	116											
NTDB id 1259	GC085 RS10305 WP 010947729.1	DVIKIIYDIMNDRQRKE..YEEFFETDFSFEIATN..LARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPPI....FK	116											
NTDB id 1194	PAKAF RS01995 WP 003084552.1	QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG..VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLCMGEV....FR	116											
NTDB id 1202	PSJM300 01600 AFN76400.1	QVHALIYDIMNDKQRKD..FEEFLETDFSFEVPG..VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLCMGEV....FR	116											
NTDB id 1020	ACIAD RS04210 WP 011182164.1	EVHNLIIYDIMNDKQRDD..YEEKLETDFSFEVFN..LARFRVNVFNQNRGAGAVFRTIPSQVL..TLEELGLGKI....FR	116											
NTDB id 1081	FDQ49 RS05335 WP 006581387.1	DVHRLVYDIMNDKQRDD..YEEKLETDFSFEVFN..VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK	116											
NTDB id 1060	ABD1 RS04380 WP 000355489.1	DVHRLVYDIMNDKQRDD..YEEKLETDFSFEVFN..VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK	116											
NTDB id 1040	HON27 RS13360 WP 000355489.1	DVHRLVYDIMNDKQRDD..YEEKLETDFSFEVFN..VARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQI....FK	116											
consensus		**	*****	***	*****	*****!*****	***	*****!*****	***	*****	*****	*****	*****	*****

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NTDB id 1251 GCO85 RS07725 WP 011946523.1
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 289773 FORC81 RS20830 WP 001326494.1
NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GCO85 RS10305 WP 010947729.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
consensus

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NTDB	id	1251	GCO85	RS07725	WP	011946523.1
NTDB	id	1177	A1552VC	RS01165	WP	000422572.1
NTDB	id	1203	PSJM300	01605	AFN76401.1	
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1
NTDB	id	289773	FORC81	RS20830	WP	001326494.1
NTDB	id	1307	DR	RS10055	WP	010888596.1
NTDB	id	1086	NMV	RS00245	WP	002218487.1
NTDB	id	1116	NGFG	RS10615	WP	003690200.1
NTDB	id	1185	GTF74	RS11940	WP	000350195.1
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1
NTDB	id	1259	GCO85	RS10305	WP	010947729.1
NTDB	id	1194	PAKAF	RS01995	WP	003084552.1
NTDB	id	1202	PSJM300	01600	AFN76400.1	
NTDB	id	1020	ACIAD	RS04210	WP	011182164.1
NTDB	id	1081	FDQ49	RS05335	WP	006581387.1
NTDB	id	1060	ABD1	RS04380	WP	000355489.1
NTDB	id	1040	HON27	RS13360	WP	000355489.1
consensus						

KAVRDDFTNQGLIELGFKEADLVNLKLYKAVGCEQCTSGYRGRVCLFVLPMTKEIGQLIMSGGNS..LDIILKLAQSEGM	547
.....DKNKGKRHCVFVLLNSPRIADLIRGEIHELKATMARSQEVGM	312
.....TPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGM	314
.....THDCQSRRAAVEVLINTPLISDYIRGEIYKIKELMARSDELGM	315
.....D.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGM	310
.....HADGQGRVLAYEILLANPAVRALIREGKTFQITSVMTGAREGM	318
.....THDCNGRVASHEILLIANPAVRNLIRENKITQINSVLQTGQASGM	314
.....THDCNGRVASHEILLIANPAVRNLIRENKITQINSVLQTGQASGM	314
.....R.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAHGM	313
.....R.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAHGM	313
.....K.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGM	313
.....K.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSIIQTGQAKGM	313
.....K.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGCSLGM	313
.....K.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSIIQTGCSLGM	313
.....K.EGGGRVAAHEIMIGTPAIRNLIREGKVAQMYSIIQTGATHGM	313
.....K.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSIIQTGANHGM	313
.....K.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSIIQTGANHGM	313
.....K.NGGGRVAAHEIMIGTPAIRNLIRENKVAQMYSIIQTGANHGM	313
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NTDB	id	1251	GCO85	RS07725	WP	011946523.1
NTDB	id	1177	A1552VC	RS01165	WP	000422572.1
NTDB	id	1203	PSJM300	01605	AFN76401.1	
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1
NTDB	id	289773	FORC81	RS20830	WP	001326494.1
NTDB	id	1307	DR	RS10055	WP	010888596.1
NTDB	id	1086	NMV	RS00245	WP	002218487.1
NTDB	id	1116	NGFG	RS10615	WP	003690200.1
NTDB	id	1185	GTF74	RS11940	WP	000350195.1
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1
NTDB	id	1259	GCO85	RS10305	WP	010947729.1
NTDB	id	1194	PAKAF	RS01995	WP	003084552.1
NTDB	id	1202	PSJM300	01600	AFN76400.1	
NTDB	id	1020	ACIAD	RS04210	WP	011182164.1
NTDB	id	1081	FDQ49	RS05335	WP	006581387.1
NTDB	id	1060	ABD1	RS04380	WP	000355489.1
NTDB	id	1040	HON27	RS13360	WP	000355489.1
consensus						

LITFQSGIEKVKEGITTIEEVNRVTVD.....	574
QTFDQALYQLVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....	368
QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
QTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.....KMTFDGQRRNLK....	383
ITFQQSYQHRVGEGR.....	326
VTMDAYLAGLFRHLITYDKCLERAID.PKEFARLA..NDASAGL.GGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
QTMDDQLQLVLRQGLIAPEVARRRAQNSESMSF.....	347
QTMDDQLQLVLRQGLIAPEAARRRAQNSESMSF.....	347
QTMENNAKQLIARGVVDQAEVQSKIELDLKAF.....	345
QTMENNAKQLIARGVVDQAEVQSKIELDLKAF.....	345
QTLDDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....	344
QTLDDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....	344
QTLDMCLKGLVAKGLISRENAREKAKI.PENF.....	344
QTLDSCLKGLIAKGLISRDSAKEKAKQ.PENF.....	344
TTLDDQLKQLIAKGLINLPTARAVAKS.PESF.....	344
TTLDDQLKGLVSRGVISPQTARTAANKQ.PESFL.....	345
TTLDDQLKGLVARGVISPQTARTAANKQ.PESFL.....	345
TTLDDQLKGLVARGVISPQTARTAANKQ.PESFL.....	345
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logo

NTDB id 1251	GCO85	RS07725	WP 011946523.1		574
NTDB id 1177	A1552VC	RS01165	WP 000422572.1		368
NTDB id 1203	PSJM300	01605	AFN76401.1	.....	381
NTDB id 1019	ACIAD	RS04205	WP 004922051.1	.....	383
NTDB id 289773	FORC81	RS20830	WP 001326494.1	.....	326
NTDB id 1307	DR	RS10055	WP 010888596.1	APATPAAPAAGRSEPGRAGGFGR	418
NTDB id 1086	NMV	RS00245	WP 002218487.1	.....	347
NTDB id 1116	NGFG	RS10615	WP 003690200.1	.....	347
NTDB id 1185	GTF74	RS11940	WP 000350195.1	.....	345
NTDB id 1176	A1552VC	RS01160	WP 000350195.1	.....	345
NTDB id 1283	ACE17W	RS02630	WP 010947729.1	.....	344
NTDB id 1259	GCO85	RS10305	WP 010947729.1	.....	344
NTDB id 1194	PAKAF	RS01995	WP 003084552.1	.....	344
NTDB id 1202	PSJM300	01600	AFN76400.1	.....	344
NTDB id 1020	ACIAD	RS04210	WP 011182164.1	.....	344
NTDB id 1081	FDQ49	RS05335	WP 006581387.1	.....	345
NTDB id 1060	ABD1	RS04380	WP 000355489.1	.....	345
NTDB id 1040	HON27	RS13360	WP 000355489.1	.....	345
consensus					

-  non conserved
-  similar
-  ≥ 50% conserved