

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAAILII..ISASISLMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAAILIL..ISASISLAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 25552 VS RS13505 WP 012604945.1		0
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 1193 PA5040 NP 253727.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIIRQFSIGTVAYAIMQVSAQVAITNVVPMNIPGQGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
consensus	* *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTKTIIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFEN.SKEV.....FITNQV	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTKTIIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFEN.SKEV.....FITNQV	145
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTGLFSLWFS...LLLA...PF.....VA..AE	33
NTDB id 25552 VS RS13505 WP 012604945.1	MIKGISGL..VSKALQGFVVS...VM..L.VVSV.....FS..YA	30
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLTWVG...LALCA.SSMV.....FS..AE	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLTWVG...LALCA.SSMV.....FS..AE	32
NTDB id 1193 PA5040 NP 253727.1	KNRELISVGNTRSVTVVEAKDRTRLIINTALSSYTTTRVEGNNLFVVVGNSPAGASVASAAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDGAGFTTRVEGNVFILKINNIQSTAT....PV.....A..TSA.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAGFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDGAGFTTRVEGNTFILKINSAQTSNK.....PL.....P..VVS.....	138
consensus	* * * * * * * * * * * * * * * * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKDKDAVIVVELVSPAIIVDIKRVQEGLSIDLNTSVKDDQLYLVDVKDFSTVVESEVEFRDTST	113
NTDB id 25552 VS RS13505 WP 012604945.1	ESLPNQLENIDFRVNKEKDAVITIELATSTAVVDVQRAQEGLSIELLNTQVNDKLYLLDVKDFATSVEGIEVYKETPST	110
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTVDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1193 PA5040 NP 253727.1	VPAGRAIRNIDFQRGEKGEKNVVIDLSPTLSPDIQEQQGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTINTPVDVQQGSGKVVVRFPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQGSGKVVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * * * * * * * * * * * * * * * * *	

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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus

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NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
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consensus

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NTDB id 1052 ABD1 RS15850 WP 001017033.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
consensus

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TGCGNNSLNHTSGGGTSTSTNLNTGVDSLGNVVSLLSPRGTSITDRTNTLTTPKPELQDVLRLEESLDIPVKQV
KDKQKDKQ.....NSLLSDRGKISVDARTNTIWIQDTGTKITEEVRELILKQLDIPVKQV 434
KDKQ.....NSLLSDRGKISVDARTNTIWIQDTGTKEIEVERELILKQLDIPVKQV 434
NGEEN.....ISM LSRGSM TIDERTNS LLIRELPENIEVIREIIIESLDIPVKQV 322
GGEGAVSMLSERGSITIDERTNS LLIRELEENIAVIRGIIESLDIPVKQV 319
GGEGENVMMLSERGSISIDERTNS LLIRELPDNIAVIREIIIESLDIPVKQV 321
GGEGENVMLSERGSISIDERTNS LLIRELPDNIAVIREIIIESLDIPVKQV 321
QSVTSDGGQEG.....KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQDLDPVBQV 450
TQGRNSGTSNSN.....TNGSATVEPLGDSVGITLLSPRGTISLDPRNTTLIINDTSQKIDQIRKMIDL LDIPVKQV 448
TQGSSNN SNGLQHTSGGGTSTSTNLNTGVDSLGNNVG SLLSPRGTTIQDDRNTTLIINDTAQS IDQIRKMIDL LDVQVKQV 456
TQGSSNN SNGLQHTSGGGTSTSTNLNTGVDSLGNNVG SLLSPRGTTIQDDRNTTLIINDTAQS IDQIRKMIDL LDVQVKQV 456

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	LIEARIVEVTKD	FSQDIGIRWGVSRPTH.....	LSGTLEGANE...	LA....RG.TAP	ANVV.....	PLERRLNLDLAA	495
NTDB id	1257	GC085	RS04855	WP	163621000.1	LIEARIVEVTKD	FSQDIGIRWGVSRPTH.....	LSGTLEGANE...	LA....RG.TAP	ANVV.....	PLERRLNLDLAA	495
NTDB id	1408	DSB67	RS13980	WP	010643500.1	QIEARIVTINEGNM	DELGVRWGF	SINGSHS...	VGGSIENN	LATIGLYDGGGEG.DDGGSSV.....	GIDDFLNVNLAA	393
NTDB id	25552	VS	RS13505	WP	012604945.1	QIEARIVTVTEGNL	DELGVRWGV	VSSTNGSFK...	VGGSIEGNHPSQIT.....	PY.DDNGGNS.....	AIDDFLNVNLGA	385
NTDB id	1186	GTF74	RS01320	WP	000788426.1	QIEARIVTVKEGNL	ELGVRWGV	MSTNGSHS...	VGGSIESNLWQKGL.....	LA....DDEF.....	PVDEFLNVNLAS	384
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	QIEARIVTVKEGNL	ELGVRWGV	MSTNGSHS...	VGGSIESNLWQKGL.....	LA....DDEF.....	PVDEFLNVNLAS	384
NTDB id	1193	PA5040	NP	253727.1	MIEARIVEANVG	YDKSLGVRWGGAYHKGNWSG...	YGKDGN.IGIKDE	DGMNCGPIAGSCTFPTTGT	SKSPSPFVDLGA			525
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	MIEARIVRATISFSKEMGVK	WILSQGINQNSNLLVGGSET	TLWNLRNPD...SN.....	GT	YTI...ERP	DNLNVDLGV	517
NTDB id	1052	ABD1	RS15850	WP	001017033.1	MVEARIVRASTSFTELGVK	WILSQGITNNNNLLVGGSET	TLWNLRNPD...SN.....	KDETTG	GKYTI...ERP	DNLNVDLGV	530
NTDB id	1039	HON27	RS01460	WP	031993779.1	MVEARIVRASTSFTELGVK	WILSQGITNNNNLLVGGSET	TLWNLRNPD...SN.....	KDETTG	GKYTI...ERP	DNLNVDLGV	530
consensus						*****	*****	*****	*****	*****	*****	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	APLTGATP	ASVGI	ALAKLNDNILLDLELSALE	SEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id	1257	GC085	RS04855	WP	163621000.1	VPLTGATP	ASVGI	ALAKLNDNILLDLELSALE	SEGRAELISSPRLITTNQQA	AVIESGEEIPYQEATSSGA...	TAVAFK	572
NTDB id	1408	DSB67	RS13980	WP	010643500.1	T...SPNAT	SIAFQVAKL	GSDDLDDLELSALQESKAEI	ISSPRLITTNKKPAYIEQGTE	IPYLESSSSGA...TSVTFK		467
NTDB id	25552	VS	RS13505	WP	012604945.1	T...SPSASSIAFQVAKL	GSDDLDDLELSALQESKAEI	ISSPRLITTNKKPAYIEQGTE	IPYLESSSSGA...TSVTFK			459
NTDB id	1186	GTF74	RS01320	WP	000788426.1	T...SANASSIAFQVAKL	SGTLLDLELSALQNESKAEI	ISSPRLITTNKKPAYIEQGTE	IPYLESSSSGA...TSVTFK			458
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	T...SANASSIAFQVAKL	SGTLLDLELSALQNESKAEI	ISSPRLITTNKKPAYIEQGTE	IPYLESSSSGA...TSVTFK			458
NTDB id	1193	PA5040	NP	253727.1	K...DA.TSGIGIGFI.T.DN	ILDLQLSAMEKTNGEIVSQPKV	VTSDKETAKILKGSEVPYQE	ASSSGA...TS	TSFK			596
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	T...ITGASSIAFGLISL	SDFMLDLELSALQADGYGEVISTPKV	MTADKQAKVATGVEVPYQSTTNS	AAGSTATT	TSFK		593
NTDB id	1052	ABD1	RS15850	WP	001017033.1	S...NP.AGSIAFGLISM	SDFMLDLELSALQADGYGEVISTPKV	MTADKQAKVATGVEVPYQSTTNS	AAGSTATT	TSFK		605
NTDB id	1039	HON27	RS01460	WP	031993779.1	S...NP.AGSIAFGLISM	SDFMLDLELSALQADGYGEVISTPKV	MTADKQAKVATGVEVPYQSTTNS	AAGSTATT	TSFK		605
consensus						*****	*****	*****	*****	*****	*****	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	KAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT.FLGVP...	AIITKEI	QTNVLVNNGQTIVLGGIYKQDKNKV	INRIPF	648					
NTDB id	1257	GC085	RS04855	WP	163621000.1	KAVLSLKVTPQITPDG	KILMDLQ	INQDTPSPQT.FLGVP...	AIITKEI	QTNVLVNNGQTIVLGGIYKQDKNKV	INRIPF	648					
NTDB id	1408	DSB67	RS13980	WP	010643500.1	KAVLSLKVTPQITPDN	RRLVLDLS	VTQDRPGQVV.KTGTGEAVA	IDTQRIGT	QVLVNNGETVVLGGIFQHS	SITNSVDKVPL	546					
NTDB id	25552	VS	RS13505	WP	012604945.1	KAVLSLKVTPQITPDN	RRLVLDLS	VTQDRPGQVV.KTGTGEAVA	IDTQRIGT	QVLVNNGETVVLGGIFQHS	SVSSQVDKVPL	538					
NTDB id	1186	GTF74	RS01320	WP	000788426.1	KAVLSLKVTPQITPDN	RRLVLDLS	VTQDRRGETV.KTGTGEAVS	IDTQRIGT	QVLVNNGETVVLGGIFQHS	SINNSVDKVPL	537					
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	KAVLSLKVTPQITPDN	RRLVLDLS	VTQDRRGETV.KTGTGEAVS	IDTQRIGT	QVLVNNGETVVLGGIFQHS	SINNSVDKVPL	537					
NTDB id	1193	PA5040	NP	253727.1	EAAALSLEVT	PNITPDNRI	IIVEVK	VTKDA	PDYQNM	LNGVP...PINKNEVNAK	ILVNDGETIVIGGVFSNEQSKSVEKVPF	673					
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	EALLSLEVT	PNITPDGKILMELN	IANDSINS.YAQNGEA...	ILNKNT	INTNVLVNNGGETVVLGGVFEQIT	TNNAVTKVPF	669					
NTDB id	1052	ABD1	RS15850	WP	001017033.1	DALLSLNVTPS	ITPDGKIQMKLD	ISKDSVAG.AAPNGEL...	ILNKNN	INTNVLVDNGETVILGGVFEQIT	TMNSQT	KVPF	681				
NTDB id	1039	HON27	RS01460	WP	031993779.1	DALLSLNVTPS	ITPDGKIQMKLD	ISKDSVAG.AAPNGEL...	ILNKNN	INTNVLVDNGETVILGGVFEQIT	TMNSQT	KVPF	681				
consensus						*!!!!!!!!!!!!!!!!	*****	*****	!	*	*	*****!!!!!!!!!!!!!!!!	*****	*****	*****	!	*

logo



☐ non conserved
☒ similar
☒ ≥ 50% conserved