

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAILI...ISASISLAYSKDNSLISVKVLPPEINRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GCO85 RS04855 WP 163621000.1	MRKIIAILI...ISASISLAYSKDNSLISVKVLPPEINRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 164886 FORC18 RS01665 WP 005488227.1		0
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALIAA.MFAPALLAADIEKIDVAALPGDRVEIKLQFDEPVA.APRGYTIEQPARIALDLPGVQNKIG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGTEIRVMFENGLPP.QPQAYQLEQPARLLDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASQVSMTNIVPMQIAGGTEIRVMFENGLPP.QPQAYQLENPSRLILDFDKAQQGK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASQVSMTNIVPMQIAGGTEIRVMFENGLPP.QPQAYQLENPSRLILDFDKAQQGK..Q	77
consensus	* * * * * * * * * * * * * * * * * * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTACSTYSLVINGKSNDLFENSKE.....VFITNQV	145
NTDB id 1257 GCO85 RS04855 WP 163621000.1	KTKTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGTACSTYSLVINGKSNDLFENSKE.....VFITNQV	145
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKTY..VAQTWLLWVGL...ALCASSM.....VF..SAE	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKTY..VAQTWLLWVGL...ALCASSM.....VF..SAE	32
NTDB id 164886 FORC18 RS01665 WP 005488227.1	MKMRQGLTRTPRMLTGLFSLWFL...LLAP.....LA..AAE	33
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTLFSLWFSL...LLAP.....FV..AAE	33
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELSVGNTRSVTVVEAKDRTRLINLTTLSSYTTRVEGNLFFVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTNEASSIDVSSDDKRARVVVNLKDA GAFTTRVEGCVFILKINNISTAT.....PVAT..SA.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDA GAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
consensus	* * * * * * * * * * * * * * * * * *	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GCO85 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRVLIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTIDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTIDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 164886 FORC18 RS01665 WP 005488227.1	DVQSNALKSIDFRTNKS KDAVIVVELASPAAIVDVKRVQEGLSIDLNTSVKDEQLYLLDVKDFATVVESVEVFRDTSTT	113
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNALKSIDFRTNKS KDAVIVVELVSPA AIVDKRVQEGLSIDLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT	113
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGCNVVIDLSDPTLSPDIQEQGGKIRLDFAKTLPLDALRVRLDVKDFATPVQFVNASQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGCGLVVVIDLQGTNTPDVQVQGGSKVVRFPGIIKIPTHLARRLNTTDFATPVASIDSYN DGSNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGCGLVVVDLLGSNTPVDVQVQGGSKVVRTITGKIPTHLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGCGLVVVDLLGSNTPVDVQVQGGSKVVRTITGKIPTHLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * * * * * * * * * * * * * * * * *	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	RMTILSKGCDYGHFVYQVNMKQFMVDVFPILTAEIRQAKLKKQVFTGKRISLNFQNIISIRAVLQLLADFTGINM VVSDKVQG	305
NTDB id	1257	GCO85	RS04855	WP	163621000.1	RMTILSKGCDYGHFVYQVNMKQFMVDVFPILTAEIRQAKLKKQVFTGKRISLNFQNIISIRAVLQLLADFTGINM VVSDKVQG	305
NTDB id	1186	GTF74	RS01320	WP	000788426.1	QLVVTVDGEFQHDYTLKGKYLEVVISKLKADKPK.PKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG	191
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	QLVVTVDGEFQHDYTLKGKYLEVVISKLKADKPK.PKSVLEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG	191
NTDB id	164886	FORC18	RS01665	WP	005488227.1	RLVAYIDEETHTDYRLTGRYLEITVSKLKPNEKVP.DKSILEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG	192
NTDB id	1408	DSB67	RS13980	WP	010643500.1	RLVAYIDEETHTDYRLTGRYLEITVSKLKPNEKVP.DKSILEKEGKLISINFQDIPVRNVLQLIADYNGFNLVVSDSVVG	192
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	SITIEPSGLYDYLVIYQTDNRLTVSIKPMTTEDAEERRKKDNFAYTGEKLSLNFQDIDVRSVLQLIADFTDINLVASDTVQG	316
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	VISIQSTGSYEYMAQYQENKLTISLKRPPQDNV.RLNSKNNQNYTGKLSLDFQDIEVRRVLQLLADFTNINMVTADSQQ	297
NTDB id	1039	HON27	RS01460	WP	031993779.1	VITIQSSGSYEYMAQYQENKLTISLKRPPQDNV.VTSLYKTPNYSCKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQ	296
NTDB id	1052	ABD1	RS15850	WP	001017033.1	VITIQSSGSYEYMAQYQENKLTISLKRPPQDNV.VTSLYKTPNYSCKLSLDFQDIEVRRVLQLLADFTGINMVAADSQQ	296
consensus						*** * *** * ** * * *** * *** * * !***!***!!*! *! !!!!!*!!*****!***!!*!	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	NITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEBQLKSQQTIKLEPIRSDLIQINYAKAADIAVLI	385
NTDB id	1257	GCO85	RS04855	WP	163621000.1	NITLRLNDIPWDQALDIILTTQGLDKRRKGNVMLIDTKASMDKMEEBQLKSQQTIKLEPIRSDLIQINYAKAADIAVLI	385
NTDB id	1186	GTF74	RS01320	WP	000788426.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILIAPKEELDIREKQALEKARLAEELGDLKSEITIKINFAKASDIAAMI	271
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILIAPKEELDIREKQALEKARLAEELGDLKSEITIKINFAKASDIAAMI	271
NTDB id	164886	FORC18	RS01665	WP	005488227.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILVAPTDELDIREKQALEKQKLTTEMGELSSSEITIKINFAKASDIAEMI	272
NTDB id	1408	DSB67	RS13980	WP	010643500.1	NITLRLDGVWPQQVLDIILQVKGLDKRVDGNVILVAPTDELDIREKQALEKQKLTTEMGELSSSEITIKINFAKASDIAEMI	272
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	NITLRLQNVPDQALDLVLKTKGLDKRKLGNVLLVAPADETAARERQLEAQAQIAELAPLHRELIQVNYAKAADIAKIF	396
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIIWAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	377
NTDB id	1039	HON27	RS01460	WP	031993779.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIIWAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	376
NTDB id	1052	ABD1	RS15850	WP	001017033.1	NITLRLKDVDPWDQALDIILKTKNLDKRRNGNVIIWAPVSELIKSEEDAKAIAQSTKLAPLQTEYILKYAKAADIEKLI	376
consensus						***!!*! **!!*!*!!*!!*! ***!!!!* !!!**********!*** * * * *****!*****!!!!*!!* **	

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NTDB id	1284	ACE17W	RS12370	WP	010946666.1	KDKQ.N.....SLLSDRGKISVDARTNTIWIQDTGKTIHEVRELIKQLDIPVKQV	434
NTDB id	1257	GCO85	RS04855	WP	163621000.1	KDKQ.N.....SLLSDRGKISVDARTNTIWIQDTGKTIHEVRELIKQLDIPVKQV	434
NTDB id	1186	GTF74	RS01320	WP	000788426.1	GEGENV.....NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	321
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	GEGENV.....NMLSERGSISIDERTNSLLIRELPDNIAVIREIIESLDIPVKQV	321
NTDB id	164886	FORC18	RS01665	WP	005488227.1	NGEENI.....SMLSERGSMTIDERTNSLLIRELPENIAVIREIIESLDIPVKQV	322
NTDB id	1408	DSB67	RS13980	WP	010643500.1	NGEENI.....SMLSERGSMTIDERTNSLLIRELPENIEVIREIIESLDIPVKQV	322
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	QSVTSDGGGEG.....KEGGRGSITVDDRTNSIIAYQPQERLDELRRIVSQLDIPVRQV	450
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	TQGRNNGTSNSN.....TNGSATVEPLGDSVGTLLSPRCTISIDPRTNLLINDTSQKIDQIRKMIQLDIPVKQV	448
NTDB id	1039	HON27	RS01460	WP	031993779.1	TQGSNNNSGLQHTSGGGTSTSTNLNTGVDSLGNVVG SLLSPRCTITQDDRTNLLINDTAQSIDQIRKMIQLDIPVKQV	456
NTDB id	1052	ABD1	RS15850	WP	001017033.1	TQGSNNNSGLQHTSGGGTSTSTNLNTGVDSLGNVVG SLLSPRCTITQDDRTNLLINDTAQSIDQIRKMIQLDIPVKQV	456
consensus						* *****!***!!*!!*!***** * * * *!***!!*!!	

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 164886 FORC18 RS01665 WP 005488227.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GCO85 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 164886 FORC18 RS01665 WP 005488227.1
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consensus

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NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GCO85 RS04855 WP 163621000.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
NTDB id 164886 FORC18 RS01665 WP 005488227.1
NTDB id 1408 DSB67 RS13980 WP 010643500.1
NTDB id 1193 PAKAF RS26665 WP 003161249.1
NTDB id 1009 ACIAD RS15175 WP 004923730.1
NTDB id 1039 HON27 RS01460 WP 031993779.1
NTDB id 1052 ABD1 RS15850 WP 001017033.1
consensus

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NTDB id 1284 ACE17W RS12370 WP 010946666.1	FGE	L	P	V	V	G	I	L	F	S	N	R	Q	I	T	L	K	N	E	L	L	I	F	I	T	P	R	I	I	T	N	A	L	S	I	T	T	I	E	G	R	E	K	D	V	Y	K
NTDB id 1257 GC085 RS04855 WP 163621000.1	FGE	L	P	V	V	G	I	L	F	S	N	R	Q	I	T	L	K	N	E	L	L	I	F	I	T	P	R	I	I	T	N	A	L	S	I	T	T	I	E	G	R	E	K	D	V	Y	K
NTDB id 1186 GTF74 RS01320 WP 000788426.1	L	G	D	L	P	V	L	G	A	L	F	R	R	T	Y	E	Q	M	C	K	S	E	L	L	I	F	V	T	P	K	V	V	I	Q	.	.	.	.	.	.	.	.	.	.	.	.	.
NTDB id 1175 A1552VC RS12105 WP 000788426.1	L	G	D	L	P	V	L	G	A	L	F	R	R	T	Y	E	Q	M	C	K	S	E	L	L	I	F	V	T	P	K	V	V	I	Q	.	.	.	.	.	.	.	.	.	.	.	.	
NTDB id 164886 FORC18 RS01665 WP 005488227.1	L	G	D	L	P	L	L	G	A	L	F	R	R	S	Y	E	N	V	G	K	S	E	L	L	I	F	V	T	P	K	V	V	I	Q	.	.	.	.	.	.	.	.	.	.	.	.	
NTDB id 1408 DSB67 RS13980 WP 010643500.1	L	G	D	L	P	L	L	G	A	L	F	R	R	S	Y	E	N	V	G	K	S	E	L	L	I	F	V	T	P	K	V	V	I	Q	.	.	.	.	.	.	.	.	.	.	.	.	
NTDB id 1193 PAKAF RS26665 WP 003161249.1	L	G	E	L	P	Y	L	G	R	L	F	R	R	D	T	V	I	D	R	K	N	E	L	L	V	F	L	T	P	R	I	M	N	Q	A	I	A	I	G	R	.	.	.	.	.	.	.
NTDB id 1009 ACIAD RS15175 WP 004923730.1	L	G	D	L	P	Y	V	G	R	L	F	K	K	T	A	K	S	E	A	K	N	E	L	L	I	F	V	T	P	R	I	V	N	D	T	I	V	G	N	H	.	.	.	.	.	.	.
NTDB id 1039 HON27 RS01460 WP 031993779.1	F	G	D	I	P	V	V	G	R	L	F	R	K	D	V	K	S	D	D	K	Q	E	L	L	I	F	V	T	P	R	I	V	N	D	T	L	A	R	N	H	.	.	.	.	.	.	.
NTDB id 1052 ABD1 RS15850 WP 001017033.1	F	G	D	I	P	V	V	G	R	L	F	R	K	D	V	K	S	D	D	K	Q	E	L	L	I	F	V	T	P	R	I	V	N	D	T	L	A	R	N	H	.	.	.	.	.	.	.
consensus	*	!	*	*	!	*	*	!	!	!	*	*	*	*	*	*	*	*	*	!	!	!	*	!	*	!	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

- non conserved
- similar
- ≥ 50% conserved