

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	MRKIIAIIIL..ISASISLMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 1257 GC085 RS04855 WP 163621000.1	MRKIIAIIIL..ISASISLMAYSKDNSLISVKVLPLPENRVRIDFQFSKPLKQLPASFITQKPPRLVLDFISTDMQIPSDQ	78
NTDB id 323959 EEL44 RS07855 WP 000788426.1		0
NTDB id 1186 GTF74 RS01320 WP 000788426.1		0
NTDB id 1175 A1552VC RS12105 WP 000788426.1		0
NTDB id 1408 DSB67 RS13980 WP 010643500.1		0
NTDB id 1193 PAKAF RS26665 WP 003161249.1	MNSGLSRLGIALLAA.MFAPALLAADLEKLDVAALPGDRVELKQLQFDEPVA.APRGYTIEQPARIALDLPGVQNKLG..T	76
NTDB id 1009 ACIAD RS15175 WP 004923730.1	MKQIIIRQFSIGTVAYAIMQVASAQVAITNVVPMNIPGGTEIRVMFNGLPP.QPQAYQLEQPARLILDFDKAGQKLA..K	77
NTDB id 1039 HON27 RS01460 WP 031993779.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
NTDB id 1052 ABD1 RS15850 WP 001017033.1	MNHVFRQFSMGAVAIAIMQAAASAQVSMTNIVPMQIAGQGTEIRVMFNGLPP.QPQAYQLENPSRLILDFDKAQGGLK..Q	77
consensus	* * * * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSIYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 1257 GC085 RS04855 WP 163621000.1	KTCTIQLGSLHSYNIVAVGDRVRAILELDRSVSYSGSTAGSVYSLVLNGKSNDLFENSKE.....VFITNQV	145
NTDB id 323959 EEL44 RS07855 WP 000788426.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1186 GTF74 RS01320 WP 000788426.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1175 A1552VC RS12105 WP 000788426.1	MKNGLKT..YVAQTLWTLWVG....LALCASS.....MVFSA.E	32
NTDB id 1408 DSB67 RS13980 WP 010643500.1	MKMRHGLTLTPRKLTGLFSLWFS....LLLAP.....FVAA.E	33
NTDB id 1193 PAKAF RS26665 WP 003161249.1	KNRELISVGNTRSVTVVEAKDRTRLIINLTTLSSYTTRVEGNLNFVVGNSPAGASVASTAPVKASPAPASYAQPIKPKPY	156
NTDB id 1009 ACIAD RS15175 WP 004923730.1	SLIPVTTNEASSIDVSSDDKRARVVVNLKDAAGFTTRVEGNVFILKINNIQSTAT.....PVAT..SA.....	138
NTDB id 1039 HON27 RS01460 WP 031993779.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDTGAFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
NTDB id 1052 ABD1 RS15850 WP 001017033.1	SKISVATNEASSVDVTSDDQRSRLTVNLKDAAGFTTRVEGNTFILKINSAQTSNK.....PLPV..VS.....	138
consensus	* * * * *	

logo

NTDB id 1284 ACE17W RS12370 WP 010946666.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 1257 GC085 RS04855 WP 163621000.1	VNAKHEIKRIDFRGIEKQGGRLVIDVSDTGIPIDVTQVGKEIVVNFLNTKIPLNLMKRYDVSDFHSPVQIITMQQEGKKV	225
NTDB id 323959 EEL44 RS07855 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1186 GTF74 RS01320 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1175 A1552VC RS12105 WP 000788426.1	SATANQLENIDFRVNKEKA AVLIVELASPSAVVDVQKVQEGLSIELLKTDVADDKLYLLDVKDFSTPVESVEVFRKEPST	112
NTDB id 1408 DSB67 RS13980 WP 010643500.1	EVQSNLSKSIDFRTNKKDKDAVIVVELVSPAAIVDKIRVQEGLSIDLNTSVKDDQLYLLDVKDFSTVVESVEVFRDTSTT	113
NTDB id 1193 PAKAF RS26665 WP 003161249.1	VPAGRAIRNIDFQRGEKGENVVIDLSDPTLSPDIQEQGGKIRLDFAKTQLPDALRVRLDVKDFATPVQFVNASAQSDRT	236
NTDB id 1009 ACIAD RS15175 WP 004923730.1	PAPQGGIGNIGFQRGAQGEGLVVIDLQGTNTPVDVQQQGSKVIRVFRPGIKIPHTLARRLNTTDFATPVASIDSYNDGSNG	218
NTDB id 1039 HON27 RS01460 WP 031993779.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVIVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
NTDB id 1052 ABD1 RS15850 WP 001017033.1	.AQPQGVSNIGFQRGSQGEGLVVVDLLGSNTPVDVQQQGSKVIVIRTIGTKIPHTLARRLNVNDFATPVSSIDAYNDKGVG	217
consensus	* * * * *	

```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 323959 EEL44 RS07855 WP 000788426.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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

```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 323959 EEL44 RS07855 WP 000788426.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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

```



```

NTDB id 1284 ACE17W RS12370 WP 010946666.1
NTDB id 1257 GC085 RS04855 WP 163621000.1
NTDB id 323959 EEL44 RS07855 WP 000788426.1
NTDB id 1186 GTF74 RS01320 WP 000788426.1
NTDB id 1175 A1552VC RS12105 WP 000788426.1
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

```



NTDB	id	1284	ACE17W	RS12370	WP	010946666.1	L	I	E	A	R	I	V	E	V	T	K	D	F	S	Q	D	I	G	I	R	W	G	V	S	R	P	T	H	L	.	.	.	.	.	S	G	T	L	E	G	A	.	.	.	.	.	N	E	L	A	R	G	.	T	A	P	A	N	V	V	P	L	.	.	.	.	.	E	R	R	L	N	L	D	L	A	A	495						
NTDB	id	1257	GC085	RS04855	WP	163621000.1	L	I	E	A	R	I	V	E	V	T	K	D	F	S	Q	D	I	G	I	R	W	G	V	S	R	P	T	H	L	.	.	.	.	.	S	G	T	L	E	G	A	.	.	.	.	.	N	E	L	A	R	G	.	T	A	P	A	N	V	V	P	L	.	.	.	.	.	E	R	R	L	N	L	D	L	A	A	495						
NTDB	id	323959	EEL44	RS07855	WP	000788426.1	Q	I	E	A	R	I	V	T	V	K	E	G	N	L	E	L	G	V	R	W	G	V	M	S	T	N	G	S	H	S	.	.	.	.	.	V	G	G	S	I	E	S	N	L	W	Q	K	G	L	L	A	D	.	.	.	.	.	D	E	F	P	V	.	.	.	.	.	D	E	F	L	N	V	N	L	A	S	384						
NTDB	id	1186	GTF74	RS01320	WP	000788426.1	Q	I	E	A	R	I	V	T	V	K	E	G	N	L	E	L	G	V	R	W	G	V	M	S	T	N	G	S	H	S	.	.	.	.	.	V	G	G	S	I	E	S	N	L	W	Q	K	G	L	L	A	D	.	.	.	.	.	D	E	F	P	V	.	.	.	.	.	D	E	F	L	N	V	N	L	A	S	384						
NTDB	id	1175	A1552VC	RS12105	WP	000788426.1	Q	I	E	A	R	I	V	T	V	K	E	G	N	L	E	L	G	V	R	W	G	V	M	S	T	N	G	S	H	S	.	.	.	.	.	V	G	G	S	I	E	S	N	L	W	Q	K	G	L	L	A	D	.	.	.	.	.	D	E	F	P	V	.	.	.	.	.	D	E	F	L	N	V	N	L	A	S	384						
NTDB	id	1408	DSB67	RS13980	WP	010643500.1	Q	I	E	A	R	I	V	T	I	N	E	G	N	M	D	E	L	G	V	R	W	G	F	T	S	I	N	G	S	H	T	.	.	.	.	.	V	G	G	S	I	E	N	N	L	A	T	I	G	L	Y	D	G	G	G	E	G	.	D	D	G	.	G	S	S	V	G	I	.	.	.	.	.	D	D	F	L	N	V	N	L	A	A	393
NTDB	id	1193	PAKAF	RS26665	WP	003161249.1	M	I	E	A	R	I	V	E	A	N	V	G	Y	D	K	S	L	G	V	R	W	G	G	A	Y	H	K	G	N	W	S	G	.	.	.	.	.	Y	G	K	D	G	N	.	I	G	I	K	D	E	D	G	M	N	C	G	P	I	A	G	S	C	T	F	P	T	T	G	T	S	K	S	P	S	P	F	V	D	L	G	A	525		
NTDB	id	1009	ACIAD	RS15175	WP	004923730.1	M	I	E	A	R	I	V	R	A	T	T	S	F	S	K	E	M	G	V	K	W	G	I	L	S	Q	G	I	N	Q	N	S	N	L	.	.	.	.	.	V	G	G	S	E	T	T	L	W	N	L	R	N	P	D	.	.	S	N	.	.	.	.	.	G	T	Y	T	I	.	.	E	R	P	D	N	L	N	V	D	L	G	V	517	
NTDB	id	1039	HON27	RS01460	WP	031993779.1	M	V	E	A	R	I	V	R	A	S	T	F	T	K	E	L	G	V	K	W	G	I	L	S	Q	G	I	T	N	N	N	N	L	.	.	.	.	.	V	G	G	S	E	T	T	L	W	N	L	R	E	P	K	.	.	K	D	E	T	T	G	.	.	G	Y	K</																		

NTDB id	1284	ACE17W	RS12370	WP	010946666.1	APLTGATPASPVGIALAKLNDNILLDLLELSALSEGRAELISSPRLITTNQQAIVIESGEEIPYQEATSSGA...TAVAFK	572
NTDB id	1257	GC085	RS04855	WP	163621000.1	VPLTGATPASPVGIALAKLNDNILLDLLELSALSEGRAELISSPRLITTNQQAIVIESGEEIPYQEATSSGA...TAVAFK	572
NTDB id	323959	EEL44	RS07855	WP	000788426.1	T...SANASSIAFQVAKLGSGTLDDLLELSALQNESKA EI ISSPRLITTNKPAYIEQGTEIPYLESSSSGA...STVAFK	458
NTDB id	1186	GTF74	RS01320	WP	000788426.1	T...SANASSIAFQVAKLGSGTLDDLLELSALQNESKA EI ISSPRLITTNKPAYIEQGTEIPYLESSSSGA...STVAFK	458
NTDB id	1175	A1552VC	RS12105	WP	000788426.1	T...SANASSIAFQVAKLGSGTLDDLLELSALQNESKA EI ISSPRLITTNKPAYIEQGTEIPYLESSSSGA...STVAFK	458
NTDB id	1408	DSB67	RS13980	WP	010643500.1	T...SPMATSI AFQVAKLGSDTDDLLELSALQQESKA EI ISSPRLITTNKKPAYIEQGTEIPYLESSSSGA...TSVTFK	467
NTDB id	1193	PAKAF	RS26665	WP	003161249.1	K...DA.TSGIGIGFI.T.DNITLDLQLSAMEKTGNGEIVSQPKVVTSDKETAKILKGSEVPYQEASSSGA...TSTSFK	596
NTDB id	1009	ACIAD	RS15175	WP	004923730.1	T...TTGASSIAFGLISL.SDFMDLLELSALQADGYGEVISTPKVMSADKQKAKVATGVEVPYQSTTNSAAGSTATTSFK	593
NTDB id	1039	HON27	RS01460	WP	031993779.1	S...NP.AGSIAFGLISM.SDFMDLLELSALQADGYGEVISTPKVMTADKQTAKVATGGQVPYQSTTNSAAGSTATTSFK	605
NTDB id	1052	ABD1	RS15850	WP	001017033.1	S...NP.AGSIAFGLISM.SDFMDLLELSALQADGYGEVISTPKVMTADKQTAKVATGGQVPYQSTTNSAAGSTATTSFK	605
consensus						* ** * ** * ** * ** *	

[illegible]

logo

