

NTDB id 1410 SGL RS13950 WP 010873519.1	MTSSSSSSKKSRAVALRNYFSPFGKILVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELRLQYKKNQLFELK	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVAILRQAEILISATQEQAVVTQVSASGTSVPEALIEL..SIFHAQELTEQ.....LS	54
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLSTILRQKGLLTFSSQESLIEQVKASGISMPEALISS..GFFTSSELAEH.....LS	54
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLSTVLRQAGILTFSSQESLIEQVKASGISMPEALISS..GFFQSHELTTEH.....LS	54
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLRILVQNQVIVEQAEEHYNE.SQAGKEVTPMFSD..GVSPKSLAAL.....IA	53
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILSAEQIALT.....AA	62
NTDB id 976083 AADH33 RS12610 WP 348549108.1	MSITTSKYGGLAQQLISEGIVSEANMKTAQTESQQQIGLVSYLVDN..KLADAYHLAQM.....LS	60
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEE..VHISPSL LAET.....IS	62
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKFKFKQDIVPYLIDN..FSISPLTIAEI.....IS	62
consensus	*****!*****	

NTDB	id	1410	SGL	RS13950	WP	010873519.1	V	L	Y	G	V	D	S	V	D	P	E	V	A	P	I	A	T	Q	Q	M	A	E	L	I	G	R	F	F	P	L	D	T	C	R	R	F	K	F	L	P	L	A	Q	Q	E	G	D	P	P	S	V	L	V	A	M	V	D	P	D	N	L	A	Q	D	E	L	N	R	I	L	R	V	K	G	F	E	L	R	R	160
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	H	I	F	G	L	P	E	T	D	L	S	R	Y	D	Y	A	.	.	.	.	.	.	N	L	C	Q	Q	L	G	L	R	E	L	I	T	R	Y	D	A	L	P	I	A	K	Q	.	.	G	N	L	L	L	A	V	S	D	P	T	L	L	Q	A	E	E	E	F	R	.	.	F	A	T	G	L	Q	V	E	L	123	
NTDB	id	1293	VP	RS12240	WP	005479695.1	S	I	F	G	.	S	Q	P	E	L	S	Q	Y	E	Y	A	.	.	.	.	.	S	L	C	Q	Q	L	G	L	R	E	L	I	T	R	H	N	A	L	P	L	H	R	T	.	.	P	S	T	L	L	A	V	A	D	P	T	N	Q	A	E	D	D	F	R	.	.	F	A	T	G	L	Q	V	E	L	123			
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	S	V	F	G	.	S	C	T	S	L	N	Q	Y	E	Y	A	.	.	.	.	.	S	L	C	Q	T	L	G	R	D	L	I	T	R	H	N	A	L	P	L	N	R	T	.	.	S	S	T	L	L	A	V	A	D	P	T	N	Q	A	E	D	D	F	R	.	.	F	A	T	G	L	Q	V	E	L	123				
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	R	V	F	S	Y	S	I	D	L	R	H	Y	P	R	H	.	.	.	.	.	R	V	L	M	G	V	I	T	E	Q	M	V	E	F	H	C	P	V	F	R	.	.	G	D	K	V	F	A	V	S	D	P	T	N	Q	A	E	D	D	F	R	.	.	S	A	A	G	I	A	V	E	L	122							
NTDB	id	1251	GC085	RS07725	WP	011946523.1	Q	N	F	G	V	P	M	L	D	I	N	C	I	D	V	G	.	.	.	.	.	T	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	.	.	G	T	N	L	Y	L	A	T	D	D	P	S	K	Q	A	S	L	K	E	I	Q	.	.	F	H	T	G	L	N	T	H	A	131	
NTDB	id	976083	AADH33	RS12610	WP	348549108.1	Q	A	F	G	D	P	L	F	D	L	D	A	L	S	L	D	.	.	.	.	.	V	I	P	K	D	L	V	D	E	K	I	V	R	K	F	N	A	L	P	L	F	K	R	.	.	G	Q	R	L	F	V	A	L	S	D	P	T	R	I	D	A	I	D	A	I	A	.	.	F	N	S	R	L	S	I	E	T	129	
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	A	E	F	A	E	P	Y	F	D	L	D	V	Y	D	T	S	.	.	.	.	.	Q	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	.	.	G	Q	I	L	Y	V	A	T	S	N	P	S	N	I	E	A	I	D	A	I	R	.	.	F	N	S	K	L	L	V	E	P	131	
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	L	E	F	G	E	P	L	L	D	L	G	V	F	D	P	A	.	.	.	.	.	L	F	L	K	D	K	I	D	E	K	L	I	Q	K	Y	R	I	M	P	L	V	H	R	.	.	G	H	V	L	Y	V	A	T	S	N	P	T	N	I	E	A	M	D	A	I	R	.	.	F	N	S								

NTDB id 1410 SGL RS13950 WP 010873519.1	LVTQDDFNQLLEQYVAIREEWEAAQEKRDRERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDA	NQAPVILVNKI	240
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ALACHRAIQAATIRRLYCRSIQGAANQGKE.....ISQDELANLVKVSDELQSIEDLSQ	DDSPVSRFINQV	189
NTDB id 1293 VP RS12240 WP 005479695.1	VLADEFRELSTAIRRLYGRSLSHEKSGLKE.....INQEELASLDVGGADEIDNIEDLSQ	DSPVSRYINQI	189
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VLADEFRELTAAIRRLYGRSLGQEKSGLKE.....INQDELAGLVDIGEDEINIEDLSQ	DSPVSRYINQI	189
NTDB id 1110 NGFG RS09235 WP 003689817.1	VIVEDDLQAGLLDWGSRSTS.LLQELGE.....GQEEESHTLYIDNEEA	EDGPVRFTIKT	179
NTDB id 1251 GC085 RS07725 WP 011946523.1	IIVETDKLSALITDNLTTAKESQGLSEYVE.....DSGDLEGLETISADDEDQDIDTATSVT	DDAPIVKFVNKI	198
NTDB id 976083 AADH33 RS12610 WP 348549108.1	VVVEEDKLKKRIEALYADSMQ.GLDSFS.....SDLNVGFEDGDDAADEGETKLSDSV	DEAPVVKFVNKM	194
NTDB id 1058 ABD1 RS01615 WP 001274986.1	VIVEHHKLEKVLGGHF AEES.FDFNDEE.....FDLDVNLDGPTAQEDE...EEAPQG	DEAPIVKYINKL	193
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IIVEHDKLERLISEHFEETH.FNFDTTE.....LDLDEVDPHTTDDD...EDDKLK	DEAPIVKYINKL	193
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NTDB id 1410 SGL RS13950 WP 010873519.1	LAKA LQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKLTTPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKV	318
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKIRLSR.DTAI	267
NTDB id 1293 VP RS12240 WP 005479695.1	LLDAVRKGASDIHFEPYEMRYRVRLRCDGILIEETQQP.PNHLRRLSARIKILSKLDIAERRLPQDGRIKILKLNQ.DTAI	267
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQP.PSHLRRLSARIKILSKLDIAERRLPQDGRIKILKLNQ.DTAI	267
NTDB id 1110 NGFG RS09235 WP 003689817.1	LSDAIRSGASDIHFIFYEHNARIRFRVDGQLREVQVP.PIAYVRGQLSARIKIVMSRLDISEKRIPQDGRMQLTFQKGGKPV	258
NTDB id 1251 GC085 RS07725 WP 011946523.1	LLDAIRQKASDIHFEPYEREYRIRYRQDGLHEVATP.PASSRITARIKIVMSNLDISERRIPQDGGFKMKISK.SRAI	276
NTDB id 976083 AADH33 RS12610 WP 348549108.1	LVDAIRMGASDLHFEPYEKTYRVRFVVDGVMQKMASP.PVQLAGKIAARLKVMSQMDISERRIPQDGRIKILKLSK.NKAI	272
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LLDAIRMGASDLHFEPYEKSYRVRYRVVDGLRLQIANP.PLQLANRLASRLKVMSQMDISEKRVPPQDGRIKILKLSK.SKAI	271
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LLDAIRMSASDLHFEPYEKSYRVRYRVVDGLRLIATP.PLQLATRLASRLKVMSQMDISEKRVPPQDGRIKILKMSK.SKTI	271
consensus	*****	

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKSALTCTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1168 A1552VC RS11070 WP 000957200.1	EMRAKRKSALTCTCAAELQQEWLDCPYCMTSRFS	562
NTDB id 1293 VP RS12240 WP 005479695.1		561
NTDB id 1401 DSB67 RS12665 WP 010643259.1		561
NTDB id 1110 NGFG RS09235 WP 003689817.1		558
NTDB id 1251 GC085 RS07725 WP 011946523.1		574
NTDB id 976083 AADH33 RS12610 WP 348549108.1		571
NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved