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NTDB id 1410 SGL RS13950 WP 010873519.1	MTSSSSSSKKSRAVALRNYSFPGNKL	VAGGHVDAEQLRQALVQVKKTGRSL	PEELKAVTGRELSPELLLRQYKKNQLFELK	80
NTDB id 970369 VUK15 RS07400 WP 340642185.1	MHTTLAS	ILHQADLISSVQQQVEDSVSMEGITV	PSALHL..GIFSDRELAQH.....LS	54
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MLTNLVA	ILRQAEILISATQEQAVVTQVSASGTS	VPALLL..SIFHAQELTEQ.....LS	54
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MLTNLST	VLVRQAGILITFSQEESSLLEQVKASG	ISMPEALLSS..GFFQSHELTEH.....LS	54
NTDB id 1293 VP RS12240 WP 005479695.1	MHSNLS	TLRQKGLLTFQSEESLIEQVKASG	ISMPEALLSS..GFFTSSLEAEH.....LS	54
NTDB id 1110 NGFG RS09235 WP 003689817.1	MSVGLLR	ILVQNQVVTVEQAEHYY.NESQAGKEV	LPMLFSD..GVISPKSLAAL.....IA	53
NTDB id 1251 GC085 RS07725 WP 011946523.1	MALATEEYRLQG	IGQLLVLEKLLDKTKAIELHKLAAAEKIS	LLQYIVKN..KILSAEQIALT.....AA	62
NTDB id 1058 ABD1 RS01615 WP 001274986.1	MSALHTSPKFT	IGFFRRLVEEKHVSAAATMQTALDAAKRAKQD	TVAYLIEE..VHLSPSLLAET.....IS	62
NTDB id 1018 ACIAD RS01685 WP 004920473.1	MSAFTTPPKF	SGFIRRLVEEGYVNAQNMQQALEKAKKFKQD	IVPYLIDN..FSISPLTIAEI.....IS	62
consensus		* * *	*!*** **	***** * *** **

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NTDB id 1410 SGL RS13950 WP 010873519.1	VLYGVDSVDPEVAPIATQQMAEL	IGRFFPLDTCRRFKFLPLAQQEGDP	PPSVLVAMVDPDNLAAQDELNRILRVKGFELRR	160
NTDB id 970369 VUK15 RS07400 WP 340642185.1	HIFGLTLVSVDHYDFE....ACCKA	VYQRDLVLRHRALPLAQN...ADTL	FLGVSDPCNIDGQDEFRR...FATGRNIEP	123
NTDB id 1168 A1552VC RS11070 WP 000957200.1	HIFGLPETDL	SRDYDA....NLCCQLGLRELITRYDAL	PIAKQ...GNLLLVASDPTLLQAEDEFRR...FATGLQVEL	123
NTDB id 1401 DSB67 RS12665 WP 010643259.1	SVFGLSCTSLNQYEYA....SLCQT	LGLRDLITRHNALPLNRT...SSTL	ILAVADPTNLQAEDEFRR...FATGLQVEL	123
NTDB id 1293 VP RS12240 WP 005479695.1	SIFGLSQPELSQYEYA....SLCQT	LGLRELITRHNALPLHRT...PSTLL	LVADPTNQAEDEFRR...FATGLQVEL	123
NTDB id 1110 NGFG RS09235 WP 003689817.1	RVFYSISILDLRHYPRH....RVL	MGVLTEEQMVFEHCVVPVFR...GDK	VFFAVSDPTQMPQIQKTV...SAAGIAVEL	122
NTDB id 1251 GC085 RS07725 WP 011946523.1	QNFVPM	LDINCIDVG....TIPVNLVNEKLIK	RHAMVPLFSR...GTNLYLATDDPSKQASLKEIQ...FHTGLNTHA	131
NTDB id 1058 ABD1 RS01615 WP 001274986.1	AEFAEPYFDLDVYDTS....QIP	KDLDVQKLILKHRIPLLIQR...GQILY	VATSNPSNIEAIDAIR...FNSKLLVEP	131
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LEFGEPLDLGVFDPA....LFL	KDIDEKLIKQYRIMPLVHR...GHV	LYVATSNPTNIEAMDAIR...FNSKLLVEP	131
consensus	****	*** ** *	* *	*****!*** * ** *

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NTDB id 1410 SGL RS13950 WP 010873519.1	LVVTQDDFNQLLEQYVAIREEWEAAQEK	RDRQERALDKLNDLTDIVGSIDMNLG	EDKEDVDNALDSNDANQAPVINLVNKI	240
NTDB id 970369 VUK15 RS07400 WP 340642185.1	LLLENKQLES	AIIRRIYRELGETTNMASRD...VSD	DDLNNLV.....DIGDDELQTTDLGQENEPVTRYINQV	190
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ALADHRA	LQAAIRRLYGRSISQGAAN.QGKE..ISQ	DELANLV.....KVSDDELQSTIEDLSQDDSPVSRFINQV	189
NTDB id 1401 DSB67 RS12665 WP 010643259.1	VLADFREL	TAAIRRLYGRSLGQEKSGLKE..INQ	DELAGLV.....DIGEDEIENIEDLSQDESPPVSRVINQI	189
NTDB id 1293 VP RS12240 WP 005479695.1	VLADFREL	STAIRRLYGRSLSHEKSGLKE..INQ	EELASLV.....DVGADEIDNIEDLSQDESPPVSRVINQI	189
NTDB id 1110 NGFG RS09235 WP 003689817.1	VIVEDDQ	LAGLLDWVGRSSTSL..LQEL.....GEGQ	EEEEHSHTLYIDNEEAEDGPVPRFIHKT	179
NTDB id 1251 GC085 RS07725 WP 011946523.1	IVVETDKLS	ALIDNLLTAKESQGLSEYVEDS.GDLE	GLEISA.....D.DEDQDIDTATSVTDDAPIVKFVNKI	198
NTDB id 1058 ABD1 RS01615 WP 001274986.1	VIVEHHKLEK	VLGQHFAEESSFDFNDE...E.FD...LDVN	L.....DGPTAQEDEEEAPQGDEAPIVKYINKL	193
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IIVEHDKLER	LLSEHFVEETHFNFDTE...E.LD...LDVE	V.....DPHTTDDDDDDDKLKDDEAPIVKYINKL	193
consensus	****	* ** *	****	****! * ****

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NTDB id 1410 SGL RS13950 WP 010873519.1	LAKALQEGTSDIHVEPQEETLRIRFRK	DGVNLQAFDPLPRKITPAVVARFKIM	ADMEDIAERRSPQDGKIRRIYQ..GRKV	318		
NTDB id 970369 VUK15 RS07400 WP 340642185.1	LLDAVRKKASDIHFEPYETSYRIRFR	CDGILHGHATP.PAHL	SRRLSTRLKVMSRLNIAERRQPQDGRIK	KLTA.NLAV	268	
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LLDAVRK	GASDIHFEPYENQYRIRLR	CDGILVETQQP.ASHLSRRLAARIKILSK	LDIAERRLPQDGRIKLRLSR.DTAI	267	
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LLDAVRK	GASDIHFEPYENMYRVLRL	CDGILIEIQQP.PSHLSRRLSARIKILSK	LDIAERRLPQDGRIKLKLNQ.DTAI	267	
NTDB id 1293 VP RS12240 WP 005479695.1	LLDAVRK	GASDIHFEPYEKMYRVLRL	CDGILIEIQQP.PNHLSRRLSARIKILSK	LDIAERRLPQDGRIKLKLNQ.DTAI	267	
NTDB id 1110 NGFG RS09235 WP 003689817.1	LSDALR	SGASDIHFEFYEHNA	RIRFRVDGQLREVVQP.PIAVRGQLASRIK	VMSRLDISEKRIPQDGRMQLTFQGGKPV	258	
NTDB id 1251 GC085 RS07725 WP 011946523.1	LLDAIR	QGASDIHFEPYEREYRIRYR	QDGILHEVATP.PASLSSRITARIK	VMSNLDISERRIPQDGGFKMKISK.SRAI	276	
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LIDAIR	MGASDLHFEPYEKSYRVRVYRV	DGVLRLQIANP.PLQLANRLASRLK	VMSQMDISEKRV	PQDGRIKLKLSK.SKAI	271
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LIDAIR	MSASDLHFEPYEKSYRVRVYRV	DGVLRLIATP.PLQLATRLASRLK	VMSQMDISEKRV	PQDGRIKLKMSK.SKTI	271
consensus	!!!!*	*!!!!!!	*!!!!	* *!!!!!!	*****!!!!!!	****

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NTDB id 970369 VUK15 RS07400 WP 340642185.1
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NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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consensus

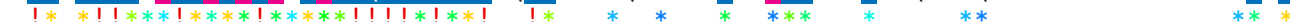
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NTDB id 970369 VUK15 RS07400 WP 340642185.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
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consensus

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NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1293 VP RS12240 WP 005479695.1
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NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 970369 VUK15 RS07400 WP 340642185.1		563
NTDB id 1168 A1552VC RS11070 WP 000957200.1		562
NTDB id 1401 DSB67 RS12665 WP 010643259.1		561
NTDB id 1293 VP RS12240 WP 005479695.1		561
NTDB id 1110 NGFG RS09235 WP 003689817.1		558
NTDB id 1251 GC085 RS07725 WP 011946523.1		574
NTDB id 1058 ABD1 RS01615 WP 001274986.1		570
NTDB id 1018 ACIAD RS01685 WP 004920473.1		570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved