

logo

		MSXLRIGDRRLGAAALLDQGYLGDNDLQRALERHSEVGGRLAELVLYDSGYSERRIASXIESEFGIPLVNLHREVEIPPKVK	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1306	DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAAL	79
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1077124	ACJDOW RS12355 WP 010450185.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
consensus			

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		RSLRPAKALNLRAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIIVVPSGA	157
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1077124	ACJDOW RS12355 WP 010450185.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
consensus			

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		SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	237
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1077124	ACJDOW RS12355 WP 010450185.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	0
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 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1

.....MTS
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQGRRLGGEQLVQEGTLSR
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR

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NTDB id 1410 SGL RS13950 WP 010873519.1
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SSSSKKSRAVALRNYFSPFGNKL VAGCHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELIRQYKKNQLFELKVLVLY
 DQLREALVQVAREGKVKPLGEVITELGFASPDVDSALQKQNVGGRIEDTLVQ..SGKLSPEMLARS.....LAAQL
 EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGRIEDTLVQ..SGKLRPEALQAQA.....VATQL
MLTINLVAILRQAELISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIF
MLTINLCSVLRQAELIDTQQEDAVIELVKASGISVPEALIH..NMYFTSDELAVH.....LSSIF
MHSNLSLTLRQKGLTFSQEEESLIEQVKASGISMPEALLS..SGFFTSSLEAEH.....LSSIF
MLTINLSTVLRQAGILTFSQEEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF
MSVGLLRILVQNVVITVEQAHHYY.NESQAGKEVLPMLFS..DGVITSPKSLAAL.....IARVF
MALATEEYRLQGITGLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF
MSAFTTTPPKFSGFIRRLVVEEGYVNAQNMQQALEKAKKFKQDITVPYLLID..NFSISPLTIAEI.....TSLEF
MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDITVAYLIE..EVHLSPLSLAET.....ISAEF

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NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1077124 ACJDOW RS12355 WP 010450185.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
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 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1

GVDSVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL
 GYFLDPIQNPDP...PKVALMPEATARRVYVVPVRLQG...NSLVVAMKDPNRNVFALDDLKLITG....KEILPA
 GYPYVDPEEDPPD...PGAPLILPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA
 GLPETDLRSYDYA...NLCQQLGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELA
 GLNYCSLCEFD...PLCKELGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELV
 GLSQPELSQYEA...SLCQQLGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELV
 GLSCTSLNQYEA...SLCQQLGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELV
 SYSILDLRHVPRH...RVLMLGVITEEQMVEFHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....IAVELV
 GVPMLDINCIDVG...TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDPPSKQASLKEIQFHTG.....LNTHAI
 GEPLLDLGVFDPA...LFLKDKIDEKLIKRYRIMPLVHRG...HVLVYVATSNPTNIEAMDAIRFNSK.....LKVEPI
 AEPYFDLDVYDTS...QTPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKRSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1077124 ACJDOW RS12355 WP 010450185.1	.....	561
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 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

- non conserved
- similar
- $\geq 50\%$ conserved