

logo

		MSXLRIGDRRLGAALLDAGLLTDEELQRALERHREVEGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1410	SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVEGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1028	TT RS08215 WP 011173991.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1051811	ACEVBK RS03410 WP 375057196.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	0
NTDB id 1293	VP RS12240 WP 005479695.1	0

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		RSLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	0
NTDB id 1410	SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1028	TT RS08215 WP 011173991.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLIEIVVPSGA	157
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1051811	ACEVBK RS03410 WP 375057196.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	0
NTDB id 1293	VP RS12240 WP 005479695.1	0

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		SGEGQKDLKLGELLQKQWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	0
NTDB id 1410	SGL RS13950 WP 010873519.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGPHGEEVL	237
NTDB id 1028	TT RS08215 WP 011173991.1	.....	237
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
NTDB id 1110	NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1051811	ACEVBK RS03410 WP 375057196.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401	DSB67 RS12665 WP 010643259.1	0
NTDB id 1293	VP RS12240 WP 005479695.1	0

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 NTDB id 1051811 ACEVBK RS03410 WP 375057196.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1

.....MTS
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWEEFRRAYPQKNRLGEVLVQEGKLSR
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRKPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLSR

3
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consensus

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NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
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SSSSKKSRAVALRNYFSPFGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPEL LRQYKKNQLFELKVLVY
 EALKEALEVQKGLPRAKPLGETLVELGLARPEDVEEALQKQRRGGRIEDTLV..QSGKLRPEALQAQA.....VATQL
 DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGRIEDTLV..QSGKLSPEMLARS.....LAAQL
MSVGLLRILVQNQVVTVEQAHEYYN.ESQAKKEVLPMLF..SDGVI SPKSLAAL.....IARVF
MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.....AAQNF
MSALHTSPKFTGFFRRLVEEKHVSAAQTALDAAKRAKQDITVAYLI..EEVHLSPSL LAET.....ISAEF
MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDITVPYLI..DNFSISPLTIAEI.....ISLEF
MTPINSIRSGLARSLAASSLLLPELDQAQSQARQEGKPLSTVLV..EQHLLPSCTLARF.....CEQEY
MLTNLVAIILRQAELISATQEQAVVTQVSASGTSVPEALL..ELSI FHAQELTEQ.....LSHIF
MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEH.....LSSVF
MHSNLSTILRQKGLLTFSQEESLLEQVKASGISMPEALL..SSGFFTSSELAEH.....LSSIF

83
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NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1306 DR RS10060 WP 027479822.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1051811 ACEVBK RS03410 WP 375057196.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1293 VP RS12240 WP 005479695.1

GVDSVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRI LRVKGF..ELRRL
 GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNIALDDVRLALKRKGLNVEVAPA
 GYFELDPIQNPPD....PKVALMPEATARRVVPVRLQG...NSLVVAMKDPRNVFALDDLKLTG.....KETLPA
 SYSILDLRHYPRH....RVLMGVLTTEEQMVFEHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....I AVELV
 GVPMLDINCIDVG....TIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI
 AEPYFDLDVYDTS....QIPKDLVDQKILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV
 GEPLDLGVFDPA....LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMD AIRFNSK.....LKVEPI
 GLPLVDLNDFEPD....QVPPQYLSMDLIERHHVLPITYMQG...KVLVYVATSNPTNIEAMD AIRFNSK.....LVTDAL
 GLPETDLRSYDYA....NLCCQLGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELA
 GLSCTSLNQYEYA....SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV
 GLSQPELSQYEYA....SLCQQLGLRELITRHNALPLHRT...STLILAVADPTNLQAEDDFRFATG.....LQVELV

161
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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRKRSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
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
NTDB id 1051811 ACEVBK RS03410 WP 375057196.1	.....	571
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
consensus		

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