

logo

		MSXLRIGDRRLGAAALLDQGYLGDNDLQRALERHSEVGGRLAELVLYDQGYEERRIASXIEEFGIPLVNLHREVEIPPKVK	
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	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVEGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1071900	ACI3L7 RS00845 WP 404970138.1	.....	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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

		RSLPAAKALNLRALPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP	
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	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1071900	ACI3L7 RS00845 WP 404970138.1	.....	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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

		SFAGSRLKLGEEILYQGYIISRLYALYQRTGSLGRTLYSRLYFEEELYEXLAEQEGTEFLERTEGMPBEEX	
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 1293	VP RS12240 WP 005479695.1	.....	0
NTDB id 1071900	ACI3L7 RS00845 WP 404970138.1	.....	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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
consensus			

logo

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 1293 VP RS12240 WP 005479695.1
 NTDB id 1071900 ACI3L7 RS00845 WP 404970138.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 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

.....MTS
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQGRRLGGEQLVQEGTLSR
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR

3
 317
 317
 0
 0
 0
 0
 0
 0
 0
 0
 0

consensus

logo

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 1293 VP RS12240 WP 005479695.1
 NTDB id 1071900 ACI3L7 RS00845 WP 404970138.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 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

SSSSKKSRAVALRNYFSPFGNKL VAGGHVDAEQLRQALVQVKKTKRSIPEELKAVTGRELSPELIRQYKKNQLFELKVLVY
 DQLREALQVQAREGKVKPLGEVITELGFASPDVDSALQKQNVGGRIEDTLVQ..SGKLSPEMLARS.....LAAQL
 EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGRIEDTLVQ..SGKLRPEALAAQA.....VATQL
MLTINLVAILRQAEILSATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIF
MHSNLSLILRQKGLLTFSSQEEESLIEQVKASGISMPEALLS..SGFFTSSELAEH.....LSSIF
MLTINLSTVLRQAGILTFSSQEEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSIF
MLTINLSTVLRQAGILTFSSQEEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF
MSVGLLRILVQNVVITVEQAHHYY.NESQAGKEVLPMLFS..DGVITSPKSLAAL.....IARVF
MALATEEYRLQGITGLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF
MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDVTVAYLIE..EVHLSPSLLAET.....TSAEF
MSAFTTPPKFSGFIRR LVEEGYVNAQNMQALEKAKKFKQDIPVYLID..NFSISPLTIAEI.....ISLEF

83
 388
 388
 57
 57
 57
 57
 56
 65
 65
 65

consensus

logo

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 1293 VP RS12240 WP 005479695.1
 NTDB id 1071900 ACI3L7 RS00845 WP 404970138.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 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

GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL
 GYFLDPIQNPDP...PKVALMIPEATARRVYVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG....KEILPA
 GYPYVDPEEDPPD...PGAPLILPEDLCRRYGVPFRRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA
 GLPETDLRSYDYA...NLCQQLGLRELITRYDALPIAKQG...NLLLVAVSDPTLLQAEFFRFATG.....LQVELA
 GLSQPELSQYEYA...SLCQQLGLRELITRHNALPLHRT...STLLAVADPTNQAEDDFRFATG.....LQVELV
 GLSCTSLSQYEYS...SLCQQLGLRDLITRHNALPLNRTS...STLILAVADPTNQAEDDFRFATG.....LQVELV
 GLSCTSLNQYEYA...SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNQAEDDFRFATG.....LQVELV
 SYSILDLRHYPRH...RVLMGVITEEQMVCFHCVPVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....IAVELV
 GVPMLDINCIDVG...TIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI
 AEPYFDLDVYDTS...QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNASK.....LLVEPV
 GEPLDLGLVFDPA...LFLKDKIDEKLIQKYRIMPLVHRG...HVLVATSNPTNIEAMDAIRFNASK.....LKVEPI

161
 455
 460
 124
 124
 124
 124
 123
 132
 132
 132

consensus

logo

	EMRAKRKRSALTCRTCAAELQQEWLDCPYCMTSRFS	
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 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1071900 ACI3L7 RS00845 WP 404970138.1	.....	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 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved