

logo

		MSXLRIGDRRLGAALLDAGLLDQGYLGDNSLQRALERHREVEVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVEVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1021012	ABOA83 RS19545 WP 150051381.1	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	0
consensus		0

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		RSLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1306	DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLLEIVVPSGA	157
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1021012	ABOA83 RS19545 WP 150051381.1	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	0
consensus		0

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		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	
NTDB id 1410	SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028	TT RS08215 WP 011173991.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLFLESTEGIVPDPSAA	237
NTDB id 1306	DR RS10060 WP 027479822.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFFHPGEEVL	237
NTDB id 1168	A1552VC RS11070 WP 000957200.1	.....	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 1058	ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1021012	ABOA83 RS19545 WP 150051381.1	0
NTDB id 1251	GC085 RS07725 WP 011946523.1	0
consensus		0

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 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1021012 ABOA83 RS19545 WP 150051381.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1

.....MTS
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRKPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLRSR

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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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 NTDB id 1021012 ABOA83 RS19545 WP 150051381.1
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SSSSKKSRAVALRNYFSPFGNKL VAGCHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLVY
 EALKEATEVQKGLPRAKPLGETLVELGLARPEDVEEALQKQRRGGRIEDTLVQ..SGKIRPEALQA.....VATQL
 DQLREALQVQAREGKVKPLGGEVITELGFASPEVDSALQKQNVGGRIEDTLVQ..SGKLSPEMLARS.....LAAQL
MLTNLVAILLRQAE LISATQEAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSSHIF
MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSELAEH.....LSSIF
MLTNLSTVLRQAGILTFSQEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF
MSVGLLRILLVQNVVTVEQAEHYYNESQ.AGKEVLPMLFS..DGVISPKSLAAL.....IARVF
MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSL LAET.....ISAEF
MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVYPLID..NFSISPLTIAEI.....ISLEF
MVTAPPNIHFSGLAKCLVQQGLLTEDAAAVAAQEAQKQKQPLVITYLVA..NKQVDSRTIAKL.....ASSEF
MALATEEYRLQGITGLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF

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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 1168 A1552VC RS11070 WP 000957200.1
 NTDB id 1293 VP RS12240 WP 005479695.1
 NTDB id 1401 DSB67 RS12665 WP 010643259.1
 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 NTDB id 1021012 ABOA83 RS19545 WP 150051381.1
 NTDB id 1251 GC085 RS07725 WP 011946523.1

GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL
 GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVPFHRLEG...NRLVLLMKDPRNIALDDVRLALKRKLNYEVAPA
 GYFELDPIQNPPD....PKVALMIPAEATARRVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KETLPA
 GLPETDLSRYDYA....NLCCQLGLRELITRYDALPIAKG...NLLLLAVSDPTLLQAEFFRFATG.....LQVELA
 GLSQPELSQYEYA....SLCQQLGLRELITRHNA LPHRTP...STLLAVADPTNQQAEEDDFRFATG.....LQVELV
 GLSCTSLNQYEYA....SLCQTLGLRDLITRHNA LPLNRTS...STLILAVADPTNQAEDDFRFATG.....LQVELV
 SYSILDLRHYPRH....RVLMGVLT EEQMV EFCV PVFRFG...DKVFFAVSDPTQMPQIQKTVSAAG.....I AVELV
 AEPYFDLDVYDTS....QIPKDLVDQKLLIKHRI LPLIQRG...QILYVATSNPSNIEAIDAIRFN SK.....LLVEPV
 GEPLLDLGVFDPA....LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMDAIRFN SK.....LKV EPI
 GVPLLDLDAVDLT....SIPVKLVSEKLI RQHHA LPLFKRG...NRLFVATADPTNFQALDEIKFHTR.....LNTENI
 GVPMLDINCIDVC....TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDPSKQASIKI EIQFHTG.....LNTHAI

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consensus

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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 1168 A1552VC RS11070 WP 000957200.1	.....	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 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1021012 ABOA83 RS19545 WP 150051381.1	.....	570
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
consensus		

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