

logo

		MSXLRIGDRRLGAALLDAGLLTDEELQRALERHREVEGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	0
NTDB id 1410	SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVEGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKK	80
NTDB id 1028	TT RS08215 WP 011173991.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLAVQPDPAAL	79
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 181638	PS273GM RS02670 WP 064480512.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
consensus		.....	0

logo

		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 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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 181638	PS273GM RS02670 WP 064480512.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
consensus		.....	0

logo

		SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGFLESTEGIVPDPSAA	0
NTDB id 1410	SGL RS13950 WP 010873519.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGFLESTEGIVPDPSAA	237
NTDB id 1028	TT RS08215 WP 011173991.1	SDAGRTGGKLGRLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	237
NTDB id 1306	DR RS10060 WP 027479822.1	.....	0
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 1251	GCO85 RS07725 WP 011946523.1	.....	0
NTDB id 181638	PS273GM RS02670 WP 064480512.1	.....	0
NTDB id 1018	ACIAD RS01685 WP 004920473.1	.....	0
NTDB id 1058	ABD1 RS01615 WP 001274986.1	.....	0
consensus		.....	0

logo

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 1251 GC085 RS07725 WP 011946523.1  
 NTDB id 181638 PS273GM RS02670 WP 064480512.1  
 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 NTDB id 1058 ABD1 RS01615 WP 001274986.1

.....MTS  
 LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWEEFRRAYPQKNRLGEVLVQEGKLSR  
 GSMLRADALRLLAVPVDETEQGVTVLTS DPRKRKPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLGEQLVQEGTLRSR

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

consensus

logo

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 1251 GC085 RS07725 WP 011946523.1  
 NTDB id 181638 PS273GM RS02670 WP 064480512.1  
 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 NTDB id 1058 ABD1 RS01615 WP 001274986.1

SSSSKKSRAVALRNYFSPFGNKLIVAGCHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELIRQYKKNQLFELKVLVY  
 EALKEALEVQKGLPRAKPLGETLVELGLARPEDVEEALQKQRRGGRIEDTLVQ..SGKIRPEALQA.....VATQL  
 DQLREALQVQAREGKVKPLGEVITELGFASPEVDSALQKQNVGGRIEDTLVQ..SGKLSPEMLARS.....LAAQL  
 .....MLTNLVAIILRQAEILSATQEAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSSHIF  
 .....MHSNLSTILRQKGLLTFSSQEESLIEQVKASGISMPEALLS..SGFFTSSELAEH.....LSSIF  
 .....MLTNLSTVLRQAGILTFSSQEESLIEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF  
 .....MSVGLLRILVQNVVTVVEQAHHYNE.SQAGKEVLPMLFS..DGVISPKSLAAL.....IARVF  
 .....MALATEEYRLQGITQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF  
 .....MTDNIALSGLAKQMVNLGLDDKTAQQAAQQSARNKLSLVTVYVQ..NKLANGRAVAEL.....AAEQF  
 .....MSAFTTTPPKFSGFIRRLVVEEGYVNAQNMQQALEKAKKFKQDIPVYLID..NFSISPLTIAEI.....TSLEF  
 .....MSALHTSPKFTGFFRRLVVEEKHVSAAATMQTALDAAKRAKQDVTVAYLIE..EVHLSPSLAEI.....ISAEF

83  
388  
388  
57  
57  
57  
56  
65  
62  
65  
65

consensus

logo

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 1251 GC085 RS07725 WP 011946523.1  
 NTDB id 181638 PS273GM RS02670 WP 064480512.1  
 NTDB id 1018 ACIAD RS01685 WP 004920473.1  
 NTDB id 1058 ABD1 RS01615 WP 001274986.1

GVDSDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRIILRVKG..FELRRL  
 GYPYVDPEEDPPDP.....GAPLLLPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNIALDDVRLALKRKLNYEVAPA  
 GYFELDPIQNPDP.....KVALMIPAEATARRVVPVRLQG...NSLVVAMKDPNRVFDLKLITG.....KETLPA  
 GLPETDLRSYDYAN.....LCQQGLGLRELITRYDALPIAKG...NLLLAVSDPTLLQAEFFRFATG.....LQVELA  
 GLSQPELSQYEYAS.....LCQQGLGLRELITRHNALPLHRT...STLLAVADPTNQAEDDFRFATG.....LQVELV  
 GLSCTSLNQYEYAS.....LCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNQAEDDFRFATG.....LQVELV  
 SYSILDLRHYPHRR.....VLMGVLTEEQMVEFHCVVFRFG...DKVFFAVSDPTQMPQIQKTVSAAG.....IAVELV  
 GVPMLDINCIDVGT.....IPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDPSKQASLKEIQFHTG.....LNTHAI  
 GVAYMDLNALDKEI.....QLRDVVEKLIARQRRVPLIKRG...HKLFVAVSDPTNQAQAVTDIQFSTG.....LTTEAI  
 GEPLLDLGVFDPAL.....FLKDKIDEKLIQYRIMPLVHRG...HVLVAVTSNPTNIEAMDARFNSK.....LKVEPI  
 AEPYFDLDVYDTSQ.....TPKDLVDQKLLIKHRILPLIQRG...QILYVAVTSNPSNIEAIDARFNSK.....LLVEPV

161  
460  
455  
124  
124  
124  
123  
132  
129  
132  
132

consensus





logo

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 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 181638 PS273GM RS02670 WP 064480512.1	.....	567
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

 non conserved  
 similar  
 ≥ 50% conserved