

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	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
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1059316 ACFX5Z RS19655 WP 185450531.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	0
consensus	0

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NTDB id 1410 SGL RS13950 WP 010873519.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	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
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1059316 ACFX5Z RS19655 WP 185450531.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	0
consensus	0

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NTDB id 1410 SGL RS13950 WP 010873519.1	EGQKDLKLGELLQKGIWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGIWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	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
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1059316 ACFX5Z RS19655 WP 185450531.1	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	0
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus

LRSDALRYGAVPIGFQNGEVEVLS DPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSRSS
MTSSSS
 LRSDALRYGAVPIGFQNGEVEVLS DPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL

6
320
0
0
0
0
0
0
0
0
0
0

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 NTDB id 1028 TT RS08215 WP 011173991.1
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 consensus

MSA...
 SKKSRAVALRNYFSPFGNKL VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQLFELKVLVYGD
 KEAIEVQKGLPRAKPLGETLVELGLARPEVVEALQKQRGGRLD TLVQ..SGKLRPEALAA.....VATQLGYP
MSVGLLRILVQNQVVTVEQAEHYNESQ.AGKEVLPMLFS..DGVISPKSLAAL.....IARVFSYS
MLTNLVAILLRQAE LISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIFGLP
MLTNLSTVLRQAGILTF SQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVFGLS
MHSNLSTILRQKGLLTF SQEESLLEQVKASGISMPEALLS..SGFFTISSELAEH.....LSSIFGLS
 ...MALATEEYRLQIGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNFVGP
 ...MPIMTS.SPNSGLALS LAASSLSESDSQRYSQAQAQRKPFVTF LIE..NEILDSKALADF.....CELEYGVP
 ...MSALHTSPKFTGFFRRLVVEEKHVS AATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....TSAEFAEP
 ...MSAFTTPPKFSGFIRR LVEECYVNAQNMQAAL EKAKKFKQDTPYPLID..NFSISPLTIAEI.....ISLEFGEP

86
391
59
60
60
60
68
67
68
68

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 NTDB id 1110 NGFG RS09235 WP 003689817.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus

DLVYDA...
 SVDPEVAPIATQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRLRVLKGF..ELRRLVVT
 YVDPEEDPPD...PGAPLLIPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNILALDDVRLALKRKLNYEVAPAVAT
 IIDLRLHYPRH...RVLMLGVLTEEQMVFEHCVVFR...GDKVFFAVSDPTQMPQIQKTVSAAG...TAVELVIVE
 ETDLRSDYDA...NLCQQLGLRELITRYDALPIAKQ...GNL LLLAVSDPTLLQAEFFRFATG...LQVELALAD
 CTSLNQY EYA...SLCQTLGLRDLITRHNA LPLNRT...SSTLILAVADPTNLQAEDDFRFATG...LQVELVLAD
 QPELSQY EYA...SLCQQLGLRELITRHNA LPLHRT...PSTLLAVADPTNQQAEDDFRFATG...LQVELVLAD
 MLDINCIDVC...TIPVNLVNEKLIKRHAMVPLFSR...GTNLYLATDDPSKQASLKEIQFHTG...LNTHAIVVE
 LLDLAAFDLA...EIPQKYL NQKLEKHHVLPITYTQ...GHTLYIAMSPTNVALED FGF SFG...LHTEALLIVE
 YFDLDVYDTS...QIPKDLVDQKLILKHRILPLIQR...GQILYVATSNPSNIEAIDAIRFNSK...LLVEPVIVE
 LLDLGVFDPA...LFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMD AIRFNSK...LKVEPIIVE

164
463
126
127
127
127
135
134
135
135

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NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
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
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1059316 ACFX5Z RS19655 WP 185450531.1	.....	571
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

- non conserved
- similar
- ≥ 50% conserved