

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK	80
NTDB id 1104887 ACN08Q RS10115 WP 419237151.1	.....	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 GC085 RS07725 WP 011946523.1	.....	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
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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 GC085 RS07725 WP 011946523.1	.....	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	EGQKDLKLGELLQKGIWSREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLFLESTEGIVDPDSAALLL	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGIWSREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLFLESTEGIVDPDSAALLL	240
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NTDB id 1168 A1552VC RS11070 WP 000957200.1	0
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NTDB id 1401 DSB67 RS12665 WP 010643259.1	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
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consensus	0

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 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus

LRSDALRYGAVPIGFQNGEVEVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSRSS
MTSSSS
 LRSDALRYGAVPIGFQNGEVEVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL

6
320
0
0
0
0
0
0
0
0
0

logo

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 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus

MSA...
 SKKSRAVALRNYFSPFGNKLVAAGCHVDAEQLRQALVQVKKTRSLPEELKAVTGRELSPPELLRQYKKNQLFELKVLVYGV
 KEALEVQKGLPRAKPLGELVLEGLARPEVVEALQKQRGGGRIEDTLVQ..SGKLRPEALAAQ.....VATQLGYP
MQTNLASILAAQANLISPEEQEVVEFVTAEGINVPALTR..LGILSDLDLADN.....LANLFLGIQ
MLINLVAILRQAE LISATQEQAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIFGLP
MHSNLSLILRQKGLTFSQEESLIEQVKASGISMPEALLS..SGFFTISSELAEH.....LSSIFGLS
MLINLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVFGLS
MSVGLLRILVQNVVTVQAEHYH.NESQAGKEVLPMLFS..DGVISPKSLAAL.....IARVFSYS
 ...MALATEEYRLQGITGLLVLEKLLDKTKAIEIHKLAAAEKISSLQYIVK..NKILSAEQIALT.....AAQNFQV
 NTDB id 1058 ABD1 RS01615 WP 001274986.1 ..MSALHTSPKFTGFFRRLVEEKHVSAAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISA
 NTDB id 1018 ACIAD RS01685 WP 004920473.1 ...MSAFTTPPKFSGFIRRLLVEEGYVNAQNMQQALEKAKKFKQDTPVYLLID..NFSISPLTIAEI.....ISL
 consensus

86
391
60
60
60
60
59
68
68
68

logo

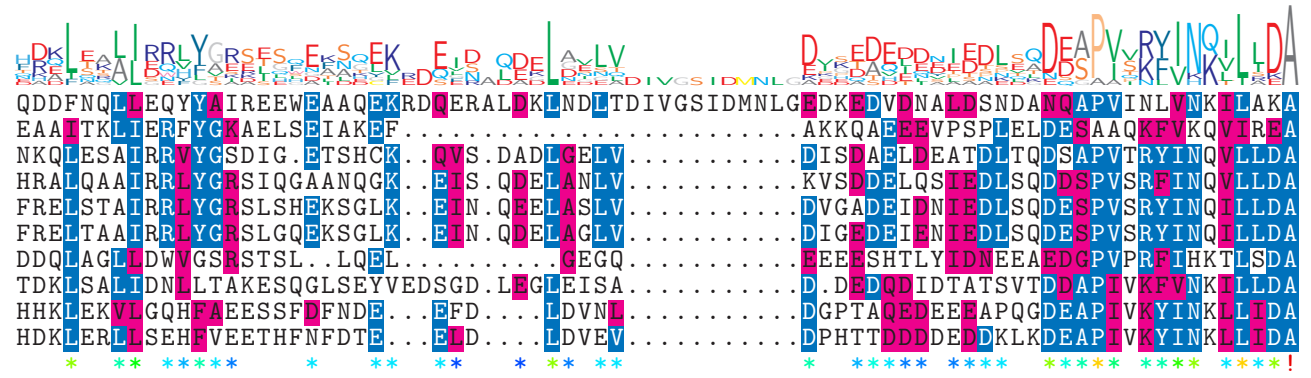
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus

YDLVYDYA...
 SVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRLVVT
 YVDPEEDPPD...PGAPLLIPEDLCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVAT
 KVDVHHYDYD...GCCQSVYQRELVLRHRALPLTQDA...NSLFLGVSDPTNMDAQDEFRFATG.....KTVEFLILE
 ETDLSRDYDA...NLCQQLGLRELITRYDALPIAKQG...NLLLAVSDPTLLQAEDEFRFATG.....LQVELALAD
 QPELSQYDYA...SLCQQLGLRELITRHNALPLHRT...STLLLAVADPTNQAEDDFRFATG.....LQVELVLAD
 CTSLNQYDYA...SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELVLAD
 ILLDRHYPRH...RVLMGVLTTEQMVVEFHCVVFRRG...DKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVE
 MLDINCIDVC...TIPVNLVNEKLIKRRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAIVVE
 YFDLDVYDTS...QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE
 LLDLGVFDPA...LFLKDKIDEKLIQKYRIMPLVHRG...HVLVYVATSNPTNIEAMDIAIRFNSK.....LKVEPVIVE
 consensus

164
463
127
127
127
127
126
135
135
135

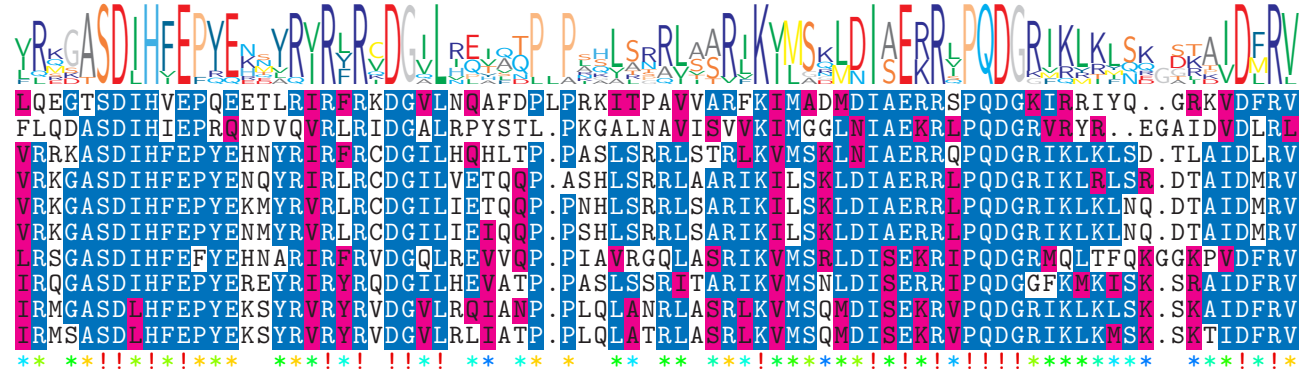
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 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
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 consensus



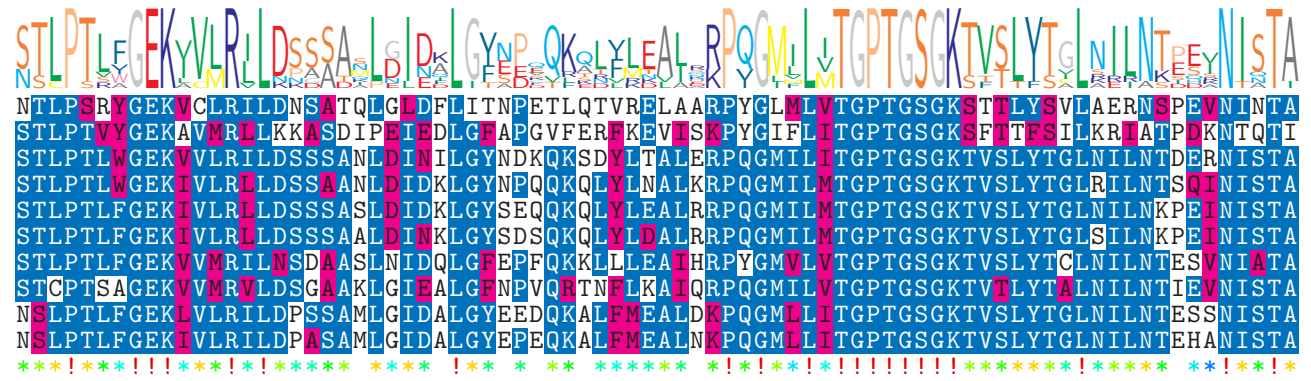
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 consensus



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 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



logo

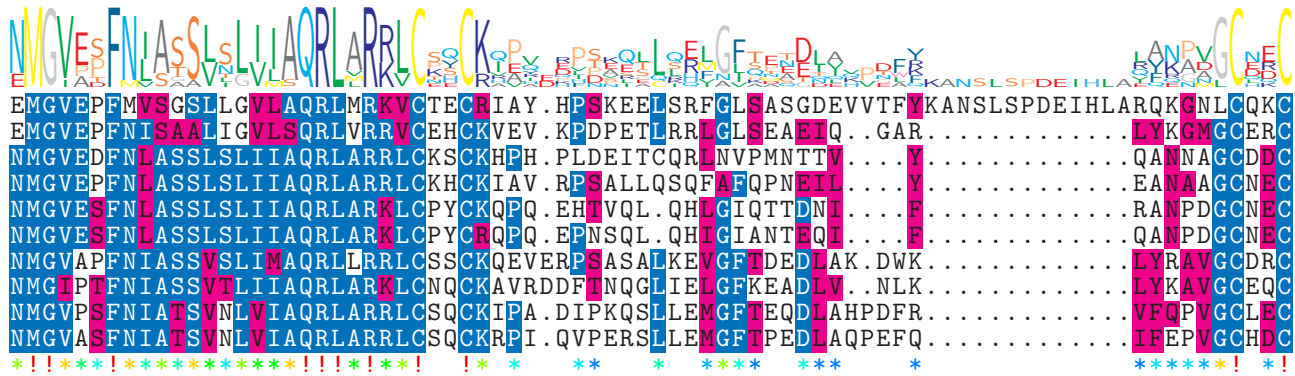
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 NTDB id 1251 GC085 RS07725 WP 011946523.1
 NTDB id 1058 ABD1 RS01615 WP 001274986.1
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 consensus



482
755
430
431
431
431
422
440
435
435

logo

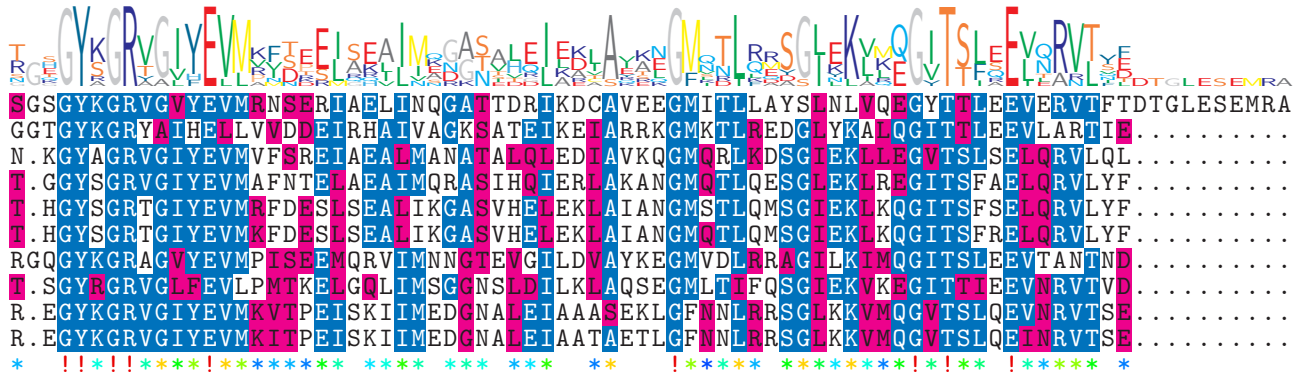
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 NTDB id 1293 VP RS12240 WP 005479695.1
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 NTDB id 1058 ABD1 RS01615 WP 001274986.1
 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



561
819
492
493
492
492
488
505
501
501

logo

NTDB id 1410 SGL RS13950 WP 010873519.1
 NTDB id 1028 TT RS08215 WP 011173991.1
 NTDB id 1104887 ACN08Q RS10115 WP 419237151.1
 NTDB id 1168 A1552VC RS11070 WP 000957200.1
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 NTDB id 1018 ACIAD RS01685 WP 004920473.1
 consensus



641
889
561
562
561
561
561
558
574
570
570

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	KRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1104887 ACN08Q RS10115 WP 419237151.1	.....	561
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 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

- non conserved
- similar
- ≥ 50% conserved