

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSXLSIGDRRLGAALLDQGYLDNBLQRALERHSEVGGRLAELVLYDSGGYSEERRIAEAEIESEFGLPLVNLHSEVETSPKXK	0
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 330538 EHC69 RS14070 WP 025789071.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SLTPAEKAKELRAIPFALDEEAGVVRVAFLNPLDTSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	0
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 330538 EHC69 RS14070 WP 025789071.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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		

logo

NTDB id 1410 SGL RS13950 WP 010873519.1	SDAGRTGGKLGERLITHGYITDAQLQVALDAQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL	0
NTDB id 1306 DR RS10060 WP 027479822.1	SGEGQKDLKLGELLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA	237
NTDB id 1028 TT RS08215 WP 011173991.1	.....	237
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 330538 EHC69 RS14070 WP 025789071.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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		

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	1401	DSB67 RS12665 WP 010643259.1
NTDB id	330538	EHC69 RS14070 WP 025789071.1
NTDB id	1293	VP RS12240 WP 005479695.1
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
consensus		

.....MTS	3
GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRDPIDALIGRPVQLMLTRPRDIERLIEQFYPQGRGLGEQLVQEGTL	317
LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
.....	0
.....	0
.....	0
.....	0
.....	0
.....	0
.....	0
.....	0
.....	0

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	1401	DSB67 RS12665 WP 010643259.1
NTDB id	330538	EHC69 RS14070 WP 025789071.1
NTDB id	1293	VP RS12240 WP 005479695.1
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
consensus		

SSSSKKSRAVALRNYFSPFGNKL	83
DQLREALQVQAREGKVKPLGEVITELGFASPD	388
EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQ..SGKLRPEALAA	388
.....MLTNLVAILRQAEILSATQEAVVTQVSASGTSVPEALLE..LSIFHAQELTEQ.....LSHIF	57
.....MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVF	57
.....MLTNLSTVLRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSSELAEH.....LSSIF	57
.....MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLS..SGFFTSSSELAEH.....LSSIF	57
.....MSVGLLRILVQNQVVTVEQAEHYY..NESQAGKEVLPMLFS..DGVISPKSLAAL.....IARVF	56
.....MALATEEYRLQIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNF	65
.....MSALHTSPKFTGFFRRLVEEKHVSAAATMQTALDAAKRAKQDTVAYLIE..EVHLSPSLLAET.....ISAEF	65
.....MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDTPVYLIID..NFSISPLTIAEI.....ISLEF	65
* * * * *	

logo

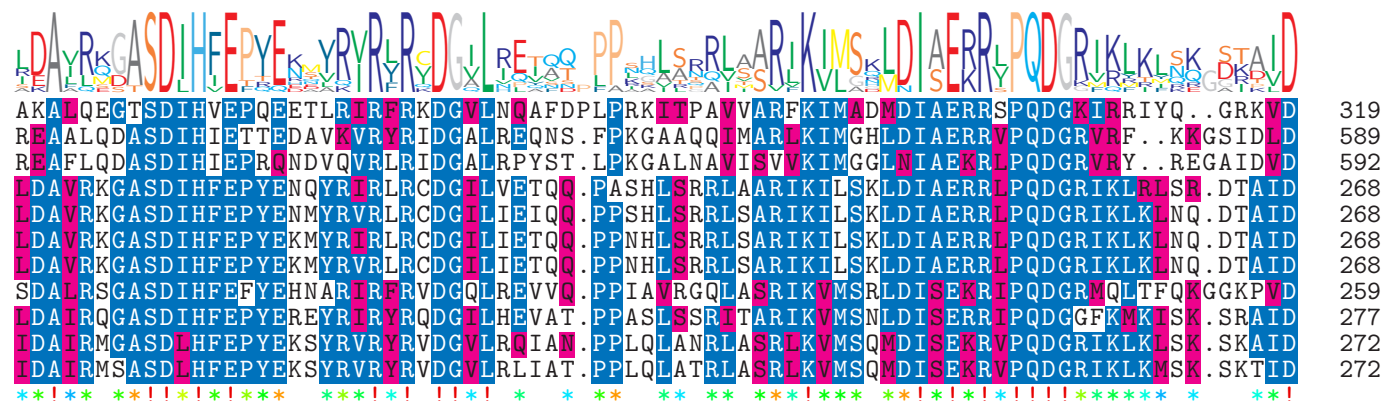
NTDB id	1410	SGL RS13950 WP 010873519.1
NTDB id	1306	DR RS10060 WP 027479822.1
NTDB id	1028	TT RS08215 WP 011173991.1
NTDB id	1168	A1552VC RS11070 WP 000957200.1
NTDB id	1401	DSB67 RS12665 WP 010643259.1
NTDB id	330538	EHC69 RS14070 WP 025789071.1
NTDB id	1293	VP RS12240 WP 005479695.1
NTDB id	1110	NGFG 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
consensus		

GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL	161
GYEFLDPIQNPPD....PKVALMPEATARRVVVPVRLQ...GNSLVVAMKDPRNVFALDDDLKLITG.....KEILPA	455
GYPYVDPEEDPPD....PGAPLLLPEDLCRRYGVFPHRLE...GNRLVILMKDPRNILALDDVRLALKRKGLNVEVAPA	460
GLPETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEDFRFATG.....LQVELA	124
GLSCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRT...SSTLILAVADPTNLQAEDDFRFATG.....LQVELV	124
GLSQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRT...PSTLLAVADPTNQAEDDFRFATG.....LQVELV	124
GLSQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRT...PSTLLAVADPTNQAEDDFRFATG.....LQVELV	124
SYSILDLRHYPRH....RVLMGVITEEQMVEFHCVPVFRR...GDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELV	123
GVPMLDINCDVIG.....TIPVNLVNEKLIKRRHAMVPLFSR...GTNLYLATDDPSKQASLKEIQFHTG.....LNTHAI	132
AEPYFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQR...GQILYVATSNPSNIEAIDAIRFNASK.....LVPEPV	132
GEPLIDLGVFDPA.....LFLKDKLIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDIAIRFNASK.....LKVEPI	132
* * * * *	

```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

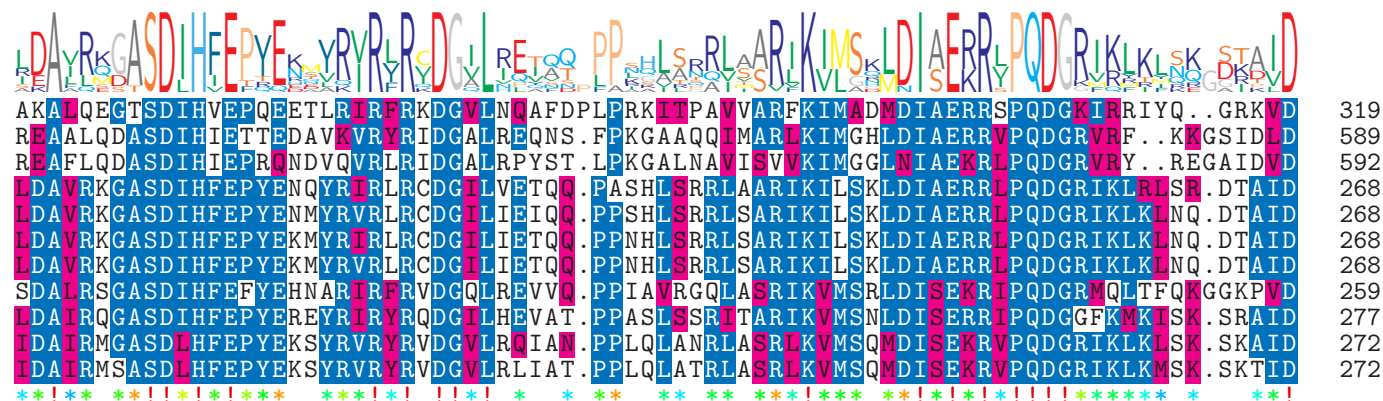
```



```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

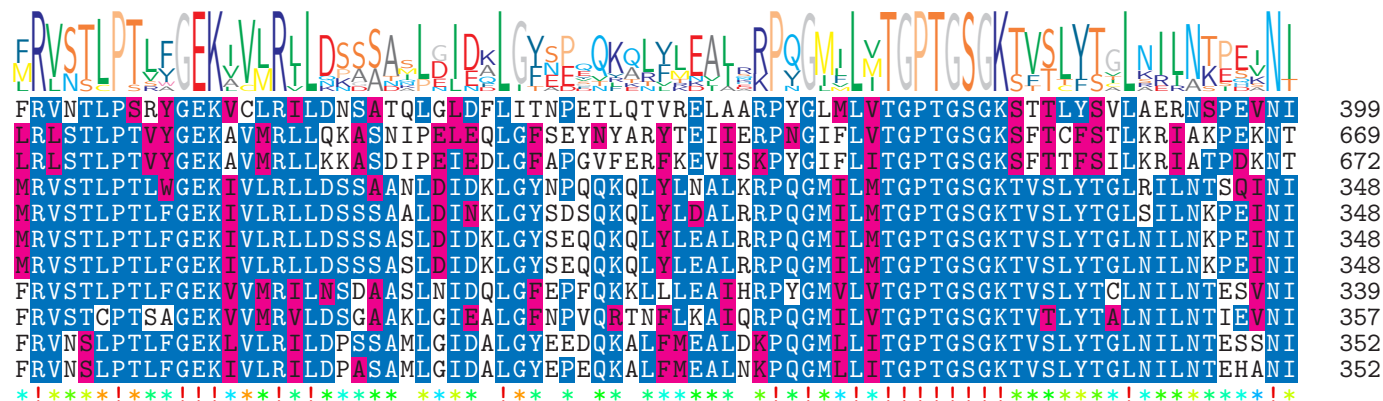
```



```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

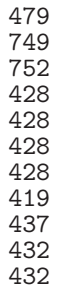
```




```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

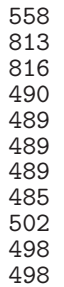
```



```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

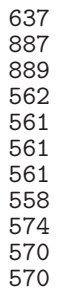
```



```

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 1401 DSB67 RS12665 WP 010643259.1
NTDB id 330538 EHC69 RS14070 WP 025789071.1
NTDB id 1293 VP RS12240 WP 005479695.1
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
consensus

```



logo

NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRRKSALTCRTCAAELQQEWLDCPYCMTSRFS	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 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 330538 EHC69 RS14070 WP 025789071.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	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