

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
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 1000720 ABFU39 RS05215 WP 040940802.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG	160
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 1000720 ABFU39 RS05215 WP 040940802.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

NTDB id 1410 SGL RS13950 WP 010873519.1	.....	0
NTDB id 1028 TT RS08215 WP 011173991.1	EGQKDLKLGELLQKGWISREALEEALVEQEKTGDLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL	240
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 1000720 ABFU39 RS05215 WP 040940802.1	.....	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	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	7
NTDB id 1028 TT RS08215 WP 011173991.1	LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL	320
NTDB id 1168 A1552VC RS11070 WP 000957200.1	MTSSSSSS	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 1000720 ABFU39 RS05215 WP 040940802.1	.....	0
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	0
consensus		

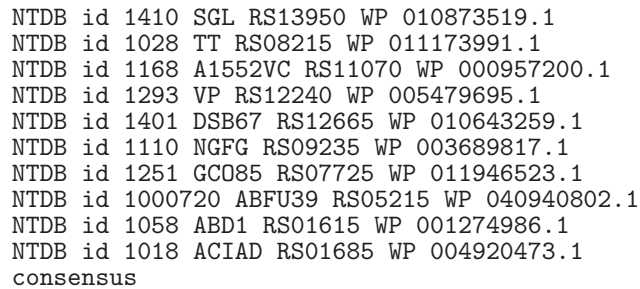
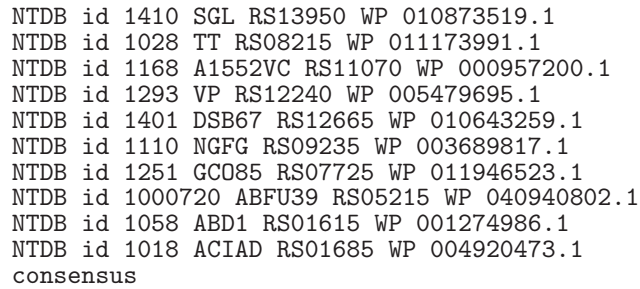
logo

NTDB id 1410 SGL RS13950 WP 010873519.1	MSA.....TTLPTLRLVQGLVYTDQEEALQVKAASLPXLLYSGLSPSELAELTSEFGP KKECEGAFVLRNFRIRREKSLTRESKREKAKARAKRYLSELTAVTAPSLHSRAITAKKNQLFEKRLYED	86
NTDB id 1028 TT RS08215 WP 011173991.1	KKSR.AVALRNYFSPFGNKLTVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPPELLRQYKKNQLFELKVLVGYVD	391
NTDB id 1168 A1552VC RS11070 WP 000957200.1	KEALEVQKGLPRAKPLGETILVELGLARPEDVEEALQKQRRGGRLDTLVQ..SGKLRPEALAAQ.....VATQLGYD	60
NTDB id 1293 VP RS12240 WP 005479695.1	MLTNLVAILRQAEILISATQEAVVTQVSASGTSVPEALLIE..LSIFHAQELTEQ.....LSHIFGLP	60
NTDB id 1401 DSB67 RS12665 WP 010643259.1	MHSNLSLTLRQKGLLTFQSQEESLIEQVKASGISMPEALLS..SGFFTSSSELAEH.....LSSIFGLS	60
NTDB id 1110 NGFG RS09235 WP 003689817.1	MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLS..SGFFQSHELTEH.....LSSVFGLS	59
NTDB id 1251 GC085 RS07725 WP 011946523.1	MSVGLLRILVQNQVVTIVEQAEHYYNESQ.AGKEVLPMLFS..DGVISPKSLAAL.....IARVFSYS	68
NTDB id 1000720 ABFU39 RS05215 WP 040940802.1	..MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVK..NKILSAEQIALT.....AAQNFQVGP	70
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.MNAVISANLVGITGIARRLVQDGAIDETAARTAMEQAASARVPLPQWFAE..RKLVITASQLAAA.....NAVEFGMP	68
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.MSAL..HTSPKFTGFFRRRLVEEKHVSAAATMQTALDAAKRAKQDVTAYLIE..EVHLSPSLLAET.....ISAEFAEP	68
consensus	.MSAF..TTPPKFSGFIRRVEECGYVNAQNMQQALEKAKKFKQDTPVYLLID..NFSISPLTLAEI.....ISLEFGEP	68

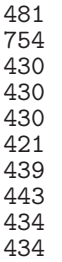
logo

NTDB id 1410 SGL RS13950 WP 010873519.1	DLVYDPAITQMAELIGRFFPLDTCRRFKFLPLAQEGDPPSVLVAMVDPDNLAAQDELNRILRVKG..FELRRLVVT	164
NTDB id 1028 TT RS08215 WP 011173991.1	YVDPEEDPPDP....GAPLLIPEDLCRRYGVFPHRLE...GNRLVLMLMKDPRNILALDDVRLALKRKGLNIEVAPAVAT	463
NTDB id 1168 A1552VC RS11070 WP 000957200.1	ETDLSRYDYAN....LCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFRRFATG.....LQVELALAD	127
NTDB id 1293 VP RS12240 WP 005479695.1	QPELSQYEYAS....LCQQLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFRFATG.....LQVELVLAD	127
NTDB id 1401 DSB67 RS12665 WP 010643259.1	CTSLNQYEYAS....LCQTLGLRLDLITRHNALPLNRT...SSTLILAVADPTNIQAEDDFRFATG.....LQVELVLAD	126
NTDB id 1110 NGFG RS09235 WP 003689817.1	ILDLRHYPRHR....VLMGVLTEEQMVFEHCVPVFRR...GDKVFFAVSDPTQMPQIQKTVSAAG.....IAVELVIVE	135
NTDB id 1251 GC085 RS07725 WP 011946523.1	MLDINCIDVGT....IPVNLVNEKLIKRRHAMVPLFSR...GTNLVYLATDDPSKQASLKEIQFHTG.....LNTHAIVE	137
NTDB id 1000720 ABFU39 RS05215 WP 040940802.1	LMDVSVFDASQ....NAVKLVSEELIQKYQVLPFLFR...GNRLFVGVSNPTQTRALDDIKFHTN.....LVVEPILVD	135
NTDB id 1058 ABD1 RS01615 WP 001274986.1	YFDLDVYDTSQ....IPKDLVDQKLILKHRILPLIQR...GQILYVATSNPSNIEAIDAIRFNSK.....LLVEPVIVE	135
NTDB id 1018 ACIAD RS01685 WP 004920473.1	LLDLGVFDPAL....FLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDAIRFNSK.....LKVEPILIVE	135
consensus		

```
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
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 1000720 ABFU39 RS05215 WP 040940802.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus
```



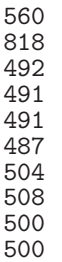
```
NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
NTDB id 1168 A1552VC RS11070 WP 000957200.1
NTDB id 1293 VP RS12240 WP 005479695.1
NTDB id 1401 DSB67 RS12665 WP 010643259.1
NTDB id 1110 NGFG RS09235 WP 003689817.1
NTDB id 1251 GC085 RS07725 WP 011946523.1
NTDB id 1000720 ABFU39 RS05215 WP 040940802.1
NTDB id 1058 ABD1 RS01615 WP 001274986.1
NTDB id 1018 ACIAD RS01685 WP 004920473.1
consensus
```



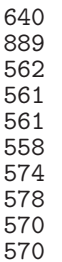
```

NTDB id 1410 SGL RS13950 WP 010873519.1
NTDB id 1028 TT RS08215 WP 011173991.1
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 1000720 ABFU39 RS05215 WP 040940802.1
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 1028 TT RS08215 WP 011173991.1
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 1000720 ABFU39 RS05215 WP 040940802.1
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	AKRKSALTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
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 1000720 ABFU39 RS05215 WP 040940802.1	.....	578
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved