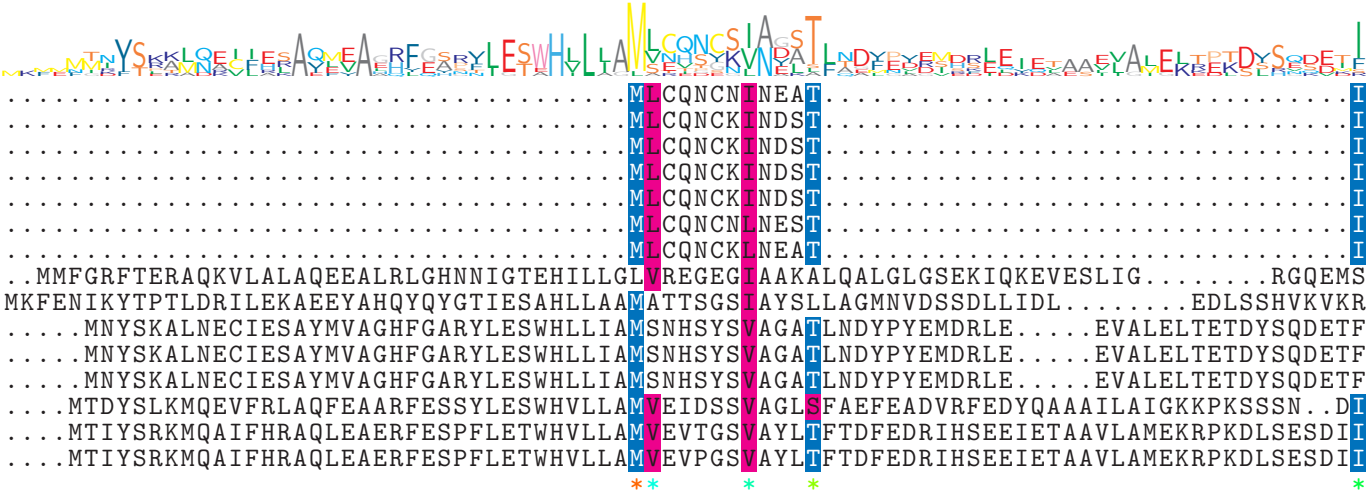


logo

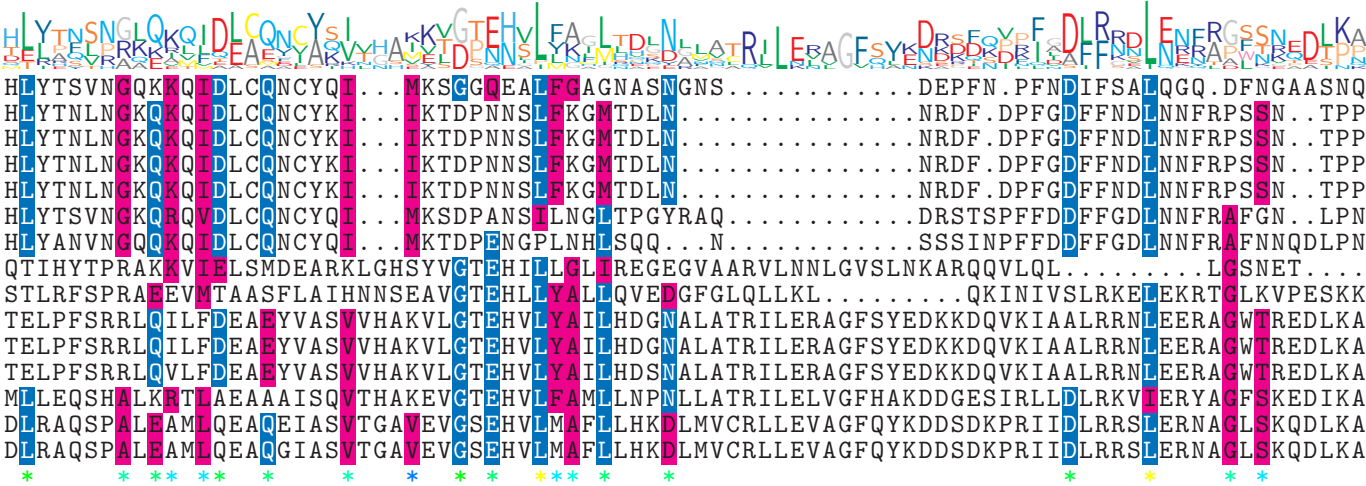
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 54201 A20 RS06110 WP 010922489.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



13
13
13
13
13
13
13
75
77
75
75
75
79
81
81

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 54201 A20 RS06110 WP 010922489.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



81
77
77
77
77
81
80
147
153
160
160
160
164
166
166

logo

```

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 54201 A20 RS06110 WP 010922489.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```

Sequence	Score
TPPTQTGGR.....GPRGPNPRAKQPKGMLLEFGINITESARRGEIDPVIGRDDEIKRVIEILNRRRTKNN	147
IPPTQSGGGYGNGGYGSQN...RGSAQTPPPSQEKGLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEILNRRRTKNN	153
IPPTQSGGGYGNGGYGSQN...RGSAQTPPPSQEKGLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEILNRRRTKNN	153
IPPTQSGGGYGNGGYGSQN...RGSAQTPPPSQEKGLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEILNRRRTKNN	153
IPPTQSGGGYGNGGYGSQN...RGSAQTPPPSQEKGLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEILNRRRTKNN	153
TPPTQAGQNGNGGGRYGNGYNGQRPAPQ.QTPNQQAQGLEEFGINVTDIARNGNIDPVIGRDDEITRVIEILNRRRTKNN	160
TPPTQAGGGNGNGG.....NNRRPGGPQQQASCKPKNGLLEFGINLTDIARKGEIDPVIGRDDEITRVIEILNRRRTKNN	154
.....GSSAAGTNSNANTPTLDSLARDLTALIAKEDSLDPVIGRSKEIKRVIEVLSRRRTKNN	203
AVTPMSKRKMAK.....G.....VAENSTPTPLDSVSSDLTEEARLGLKDPMIGRAEIDRLIHILSRRTKNN	216
.LRQRHRTV.AD.....KQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKAISRMIIQLSRKTKNN	229
.LRQRHRTV.AD.....KQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKAISRMIIQLSRKTKNN	229
.LRQRHRTV.AD.....KQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKAISRMIIQLSRKTKNN	229
.IFEMRKPKKVK.....NSSFSFSLMKPP.SVTGELADFTRLTELARQGRLEPVIGRDEQEISRMVQILSRKTKNN	233
.IHDLRKPKKSK.....ASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDDEISRMIVLSRKTKNN	236
.IHDLRKPKKSK.....ASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDDEISRMIVLSRKTKNN	236

logo

```

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 54201 A20 RS06110 WP 010922489.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T0A RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```

PVLIGEPGVGKTAWEGLAQRVGDVDPKLGQKRVIRLDVSVAGTGI RQGFEERMQKLMEEIRKRNDVIMFIDEIHEIVGAG	232
PVLIGEPGVGKTAWEGLAQRKIVDGDVPHKLQGGKQVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAG	238
PVLIGEPGVGKTAWEGLAQRKIVDGDVPHKLQGGKQVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAG	238
PVLIGEPGVGKTAWEGLAQRKIVDGDVPHKLQGGKQVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAG	238
PVLIGEPGVGKTAWEGLAQRKIVDGDVPHKLQGGKQVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAG	238
PVLIGEPGVGKTAWEGLAQRKIIDGTVPQKLQGGKQVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRNRKDVIILFIDEIHEIVGAG	245
PVLIGEPGVGKTAWEGLAQRKIVDGDVPHKLHGKNVIRLDVSVLVQGTGIRGQFEERMQKLMEEIRQRQDVIILFIDEIHEIVGAG	239
PVLIGEPGVGKTAIEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQAGNIILFIDELHTLIIGAG	288
PVLIGEPGVGKSAIEGLAQRIVNQVPIGLMNSRIMALNMATVAGTKRGEFEDRLTAIVEEVSSDPDVIIFIDELHTIIGAG	301
PVLVGDAVGKTAALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSG	314
PVLVGDAVGKTAALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSG	314
PVLVGDAVGKTAALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSG	314
PVLVGDAVGKTAALALGLAQRIVDSAPVFELADMKVLELDMMSVVAGTRFRGDFEERMNNIITADIEADGHIIVLFIDELHTIMGSG	318
PVLVGEAGVGKTAALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNNIITIDEIADGKIILFIDELHTIIGSG	321
PVLVGEAGVGKTAALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNNIITIDEIADGKIILFIDELHTIIGSG	321


```

NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 54201 A20 RS06110 WP 010922489.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```



logo

NTDB id 601 KW2 RS02615 WP 021036805.1	DKIVISNQTQETAETTDEEVP	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	KGNIIQIKSAKKAIEVKSSEKEK..	752
NTDB id 245 SPD RS03860 WP 000882517.1	KGNIIQIKSAKKAIEVKSSEKEK..	752
NTDB id 243 SPR RS03635 WP 000882517.1	KGNIIQIKSAKKAIEVKSSEKEK..	752
NTDB id 241 SP RS04015 WP 000882523.1	KGNIIQIKSAKKAIEVKSSEKEK..	752
NTDB id 54201 A20 RS06110 WP 010922489.1	SENTITIKAVKEGDSFLNEESL.D	760
NTDB id 378 SMU RS02690 WP 002263569.1	NGKIIVIKASNKVETVTKATSD..	753
NTDB id 85 BSU 00860 NP 387967.1	DGEFVVVKTТАКТN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	NKKIKIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	AGQLKFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	AGQLKFDIA.....	810
NTDB id 287 SP RS11210 WP 001109712.1	AGQLKFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	KEKLKFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	KDKLTFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	KDKLTFTVV.....	816
consensus	* *	

- X non conserved
- X similar
- X ≥ 50% conserved