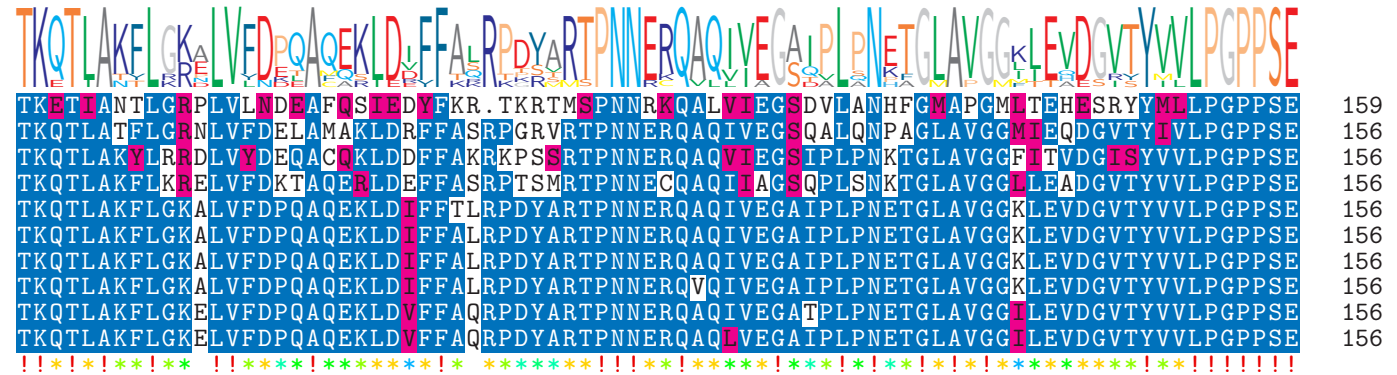


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NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1137218 DQL08 RS09185 WP 023611245.1
NTDB id 412 SMU RS09535 WP 002262393.1
NTDB id 170 SP RS09755 WP 000642718.1
NTDB id 280 KZH43 RS08670 WP 000642700.1
NTDB id 205 SPR RS08830 WP 000642700.1
NTDB id 239 SPD RS09270 WP 000642701.1
NTDB id 538 SMSK321 RS11060 WP 000642686.1
NTDB id 510 SM12261 RS08320 WP 000642690.1
consensus
```



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NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1137218 DQL08 RS09185 WP 023611245.1
NTDB id 412 SMU RS09535 WP 002262393.1
NTDB id 170 SP RS09755 WP 000642718.1
NTDB id 280 KZH43 RS08670 WP 000642700.1
NTDB id 205 SPR RS08830 WP 000642700.1
NTDB id 239 SPD RS09270 WP 000642701.1
NTDB id 538 SMSK321 RS11060 WP 000642686.1
NTDB id 510 SM12261 RS08320 WP 000642690.1
consensus
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NTDB id 124 BSU 16930 NP 389575.2	LDILENQILDCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	311
NTDB id 462 GPW51 RS00385 WP 012774894.1	LKETEAVILE.....RVGEFFYGYDD..TSLVKEISIACKEKGITISAAESFTGGLFSEWITDHSKASKLFAGGVVGYI	308
NTDB id 1137218 DQL08 RS09185 WP 023611245.1	LNQLEEDILQHD....KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEEQGTGGLLQAELSLALADQPPYFSGGKVVGQ	313
NTDB id 412 SMU RS09535 WP 002262393.1	LGQLEAQLLSRKTLLEGQPLADVFYGYGEDNSLARETFELLVYDKTITAAESLTAGLFQSTLASFPGASQVFNNGGFVTYS	308
NTDB id 170 SP RS09755 WP 000642718.1	LDKLEKKIITID....NLADYFYGYGEENSIPQVVFLLLEKCKTITAAESLTAGLFQARTADFA GASDIFKGGFITYS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFEGLSLRDLFCYGYGEEASLASIVVEELKQCKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYS	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFEGLSLRDLFCYGYGEETSLSASIVVEELKRQCKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYS	312
consensus	!***!***** ******!*****!!*****!!*****!*****!*****!*****!*****!*****	

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NTDB id 124 BSU 16930 NP 389575.2	LEEKSRMLDIPAKNLEEHWSEETAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPXGTVFIGLAQDQGTEVIKVNIG	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	NIVKQNVLGKKETLDRFCAVSKECASELAKGVQKLTCSDIGISFTGVAGPDAQEGHHPCHVFICISANGKEEVHEFHFA	370
NTDB id 1137218 DQL08 RS09185 WP 023611245.1	LGIE.....SGWLS.EEADCIHQELQADLCLAVSVLIKPESTEDNVLAQVYLTATPSGISQKEIDLG	393
NTDB id 412 SMU RS09535 WP 002262393.1	MEEKAKMIGIPLLEETKSHGVVSAITAEQMAEQARLLTGADICVSLTGVAGPDMLEEQPAGTVFIGLATQNKVESIKVLTIS	388
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NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHWVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHWVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHWVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPVQDLEEQGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPAGTVFIGLAQEHGTVIKVNIG	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPVQDLEEQGVVSEFTAQKMAEQARITKQSDFCISLTGVAGPDSLEGHHPAGTVFIGLAQEQGTEVIKVNIG	392
consensus	***** * *****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 124 BSU 16930 NP 389575.2	GRSRADVRLH AVMHAFNLVRKALLSD	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GSRT.GIRKRGAKYCHLILKLEQK.....	393
NTDB id 1137218 DQL08 RS09185 WP 023611245.1	GYSWQYLRL....ACLQAWDFVRNTL.....	423
NTDB id 412 SMU RS09535 WP 002262393.1	GRSRLDVRYI....ATLHVFNVRKTLIKLENLL	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRSDVRYI....AVLHAFNLVRQTLLSHKNLV	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRLH....AVMHAFNLVRKALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRLH....AVMHAFNLVRKALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRLH....AVMHAFNLVRKALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRLH....AVMHAFNLVRKALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRLH....AVMHAFNLVRKALLSD....	418
consensus	!*****! * *****	

- ☒ non conserved
- ☒ similar
- ☒ ≥ 50% conserved