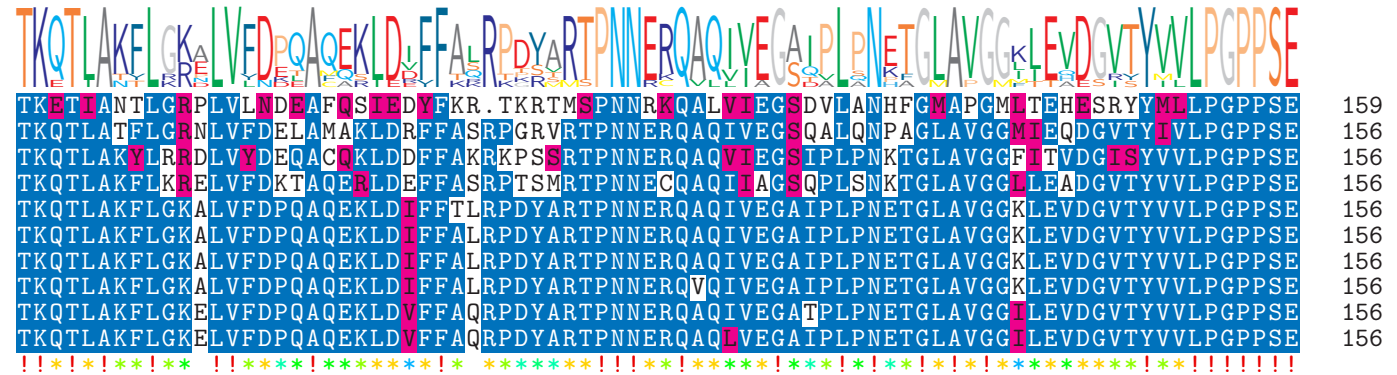


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NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1138354 DQM46 RS09315 WP 002992182.1
NTDB id 412 SMU RS09535 WP 002262393.1
NTDB id 170 SP RS09755 WP 000642718.1
NTDB id 280 KZH43 RS08670 WP 000642700.1
NTDB id 205 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 1138354 DQM46 RS09315 WP 002992182.1
NTDB id 412 SMU RS09535 WP 002262393.1
NTDB id 170 SP RS09755 WP 000642718.1
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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	LKETEAVILE.....RVGEFFYGYDD..TSLVKEISIACKEKGITISAAESFTGGLFSEWITDHSKASKLFAGGVVGYI	311
NTDB id 462 GPW51 RS00385 WP 012774894.1	LNQLEEDILQHD....KLADYFYAYGEDNSLVKTVATRLAEKRQTIAIVEQGTGGLLQAELSLALADQPYFSGGKVVGQ	308
NTDB id 1138354 DQM46 RS09315 WP 002992182.1	LGQLEAQLSRKTLLEGQPLADVFYGYGEDNSLARETFELLVYDKSITAAESLTAGLFQSTLASFPGASQVFNNGGFVTYS	313
NTDB id 412 SMU RS09535 WP 002262393.1	LDKLEKKIITID....NLADYFYGYGEENSIPQVVFLLLEKCKTITAAESLTAGLFQARLADFA GASDIFKGGFITYS	308
NTDB id 170 SP RS09755 WP 000642718.1	LDILENQILDCCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFKGGFVTYS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDCCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDCCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDCCQTFEGISLRDFCYGYGEETSLASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFEGISLRDLICYGYGEEASLASIVVEELKQGGKTITAAESLTAGLFQATVADFSGASSIFKGGFVTYS	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFEGISLRDLICYGYGEEASLASIVVEELKRQGGKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYS	312
consensus	!***!***** ******!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 124 BSU 16930 NP 389575.2	LEEKSRMLDIPAKNLEEHGWSSEETAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPXGTVFIGLAQDQGTEVIKVNIG	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	LVKQNVLGKKETLDRFGAVSKECASELAKGVQKLTCSDIGISFTGVAGPDAQEGHEPCHVFICISANGKEEVHEFHFA	370
NTDB id 1138354 DQM46 RS09315 WP 002992182.1	LGIE.....SGWLS.EEADCIHQELQADLGLAVSVLIKPESTEDNVLAQVYLTATPSGISQKEIDLG	370
NTDB id 412 SMU RS09535 WP 002262393.1	MEEKAKMIGIPLEETKSHGVVSAYTAGMAEQARLLTGADICVSLTGVAGPDMLEEQPAGTVFIGLATQNKVESIKVLTIS	393
NTDB id 170 SP RS09755 WP 000642718.1	IEEKARMLGIPFEDLQLHGVVSAFTA EKMAERSRQLTQADLAISLTGVAGPDSLECGQPAGTVFIGLSSSKRTMAIKVLIG	388
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHHPVGTVFIGLAQDQGTEVIKVNIG	392
consensus	***** * *****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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NTDB id 124 BSU 16930 NP 389575.2	GRSRADVRLHIAVMHAFNLVRKALLSD	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GSRT.GIRKRCAGKYCHLLKLL.EQK...	393
NTDB id 1138354 DQM46 RS09315 WP 002992182.1	GYSWQYLRLACLQAWDFVRNTL.....	423
NTDB id 412 SMU RS09535 WP 002262393.1	GRSRLDVCYIATLHAFNMVRKTLKLENLL	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRSDVRYIAVLHAFNLVRQTLLSHKNLV	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRLHIAVMHAFNLVRKALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRLHIAVMHAFNLVRKALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRLHIAVMHAFNLVRKALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRLHIAVMHAFNLVRKALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRLHIAVMHAFNLVRKALLSD....	418
consensus	!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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