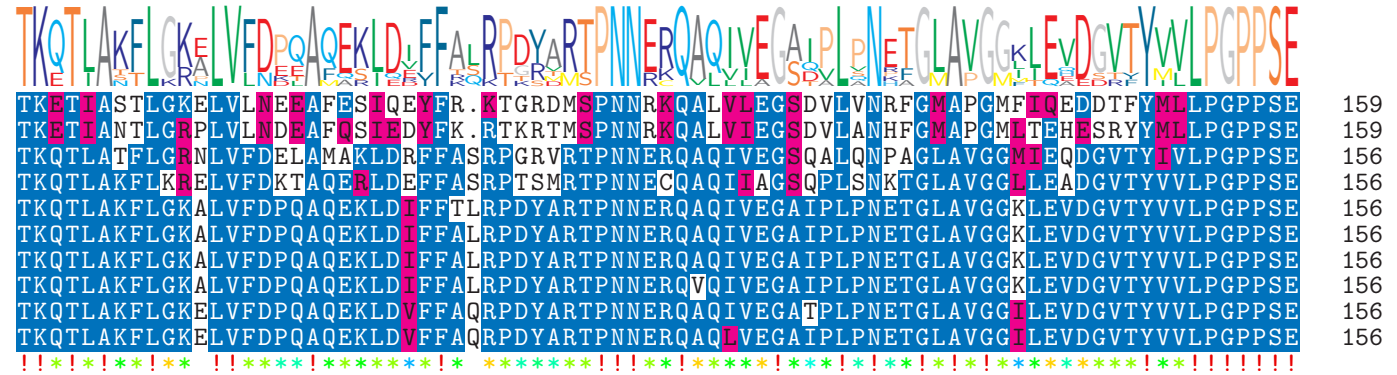


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NTDB id 995156 AAVD42 RS20220 WP 345807502.1
NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 412 SMU RS09535 WP 002262393.1
NTDB id 170 SP RS09755 WP 000642718.1
NTDB id 280 KZH43 RS08670 WP 000642700.1
NTDB id 205 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 995156 AAVD42 RS20220 WP 345807502.1
NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 412 SMU RS09535 WP 002262393.1
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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 995156 AAVD42 RS20220 WP 345807502.1	LKETEAKIIA.....RVGEYFYGYCD..TSLVREASKALHEHGKTVAAAESLTGCMFSEWITDLEGASSILSGSIVCYT	311
NTDB id 124 BSU 16930 NP 389575.2	LKETEAVILE.....RVGEFFYGYDD..TSLVKEISIACKEKGTITISAAESFTGGLFSEWITDHS GASKLFAGGVVCYT	311
NTDB id 462 GPW51 RS00385 WP 012774894.1	LNQLEEDILQHD....KLADYFYAYGEDNSLVKTVATRIAEKRQTIAIVEQGTGGLLQAEISLALADQPYFSGGKVVGQ	308
NTDB id 412 SMU RS09535 WP 002262393.1	LDKLEKKIITID....NLADYFYGYGEENSIPQVVFLLLEKCKTITAAESLTAGLFQARLADFA GASDIFKGGFITYS	308
NTDB id 170 SP RS09755 WP 000642718.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFKGGFVTYS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDCCQTFEGLSLRDFCYGYGEETSLSASIVVEELKRQGKTIAAAESLTAGLFQATVANFSCGVSSIFEGGFVTYS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFEGLSLRDLICYGYGEEASLASIVVEELKQGGKTTITAAESLTAGLFQATVADFSGASSIFKGGFVTYS	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFEGLSLRDLICYGYGEETSLSASIVVEELKRQGGKTTITAAESLTAGLFQARVADFSGASSIFKGGFVTYS	312
consensus	!***!***!* * *****! *!*****! *****!*****!*****!*****!*****!*****!*****	

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NTDB id 995156 AAVD42 RS20220 WP 345807502.1	LEEKSRMLDIPAKNLEEHGVVSEETAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPVGTVFIGLAQDQGTEVIKVNIG	391
NTDB id 124 BSU 16930 NP 389575.2	NQVKKQVVLGCREETLSSHCAVSKCECALELAGARKLTGSDIGISFTGVAGPDTHEGQPVGVFIGLS TKDHTDVFWMFT	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	NDVKKQNVLGVKKETLDRFGAVSKCECASELAKGVQKLTGSDIGISFTGVAGPD AQEGHEPCHVFIGLSANGKEVHEFHFA	370
NTDB id 412 SMU RS09535 WP 002262393.1	LGIES.....GMLS.EBADICIRQELQADLC LAVSVLIKPESTEDNVLAQVYITLATPSGISQKEIDLIG	388
NTDB id 170 SP RS09755 WP 000642718.1	LEEKARMLGIPFEDLQLHGVVSAFTA EKMAERSRLTQADLAISLTGVAGPDSLECGQPAGTVFIGLS SSKRTMAIKVLIG	392
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPVGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPVKNLEEQGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPA GTVFIGLAQEHGTVIKVNIG	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPVKNLEEQGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHPA GTVFIGLAQEHGTVIKVNIG	392
consensus	***** * *****! *****! *****!*****!*****!*****!*****!*****	

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NTDB id 995156 AAVD42 RS20220 WP 345807502.1	GRSRADVRHI.....AVMHAFNLVRKALLSD	416
NTDB id 124 BSU 16930 NP 389575.2	GS.RSGTRKRAVKYGLHLLNLLKES.....	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GS.RTGIRKRGAKYGC HLILKLLIEQK.....	393
NTDB id 412 SMU RS09535 WP 002262393.1	GYSWQYLRQL....ACLQAWDFVRNTL.....	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRSDVRYI....AVLHAFNLVRQTLLSHKNLV	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRHI....AVMHAFNLVRKALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRHI....AVMHAFNLVRKALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRHI....AVMHAFNLVRKALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRHI....AVMHAFNLVRKALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRHI....AVMHAFNLVRKALLSD....	418
consensus	!*****! * *****	

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