

```

NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1159678 QOR57 RS09930 WP 001200975.1
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

```



```
NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1159678 QOR57 RS09930 WP 001200975.1
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
```



logo

NTDB id 124 BSU 16930 NP 389575.2	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	311
NTDB id 462 GPW51 RS00385 WP 012774894.1	LKETEAIVILE.....RVGEFFFYGYDD..TSLVKEISIACKEKGITISAAESFTGGLFSEWITDHSKASKLFAGGVVVCYT	308
NTDB id 1159678 QOR57 RS09930 WP 001200975.1	LNQLEEDILQHD....KLADYFYAYGEDNSLVKTVAIRLAEKRQTIAIVEEQGTGGLLQAEISLALADQPYFSGGKVVGQ	313
NTDB id 412 SMU RS09535 WP 002262393.1	LDSLEKEILALKTLNLRKLDLLYGYGDNNSMARTVLELLKVQNKTTITAAESLTAGLFQSQLAEFSGASQVFNNGGFTTYS	308
NTDB id 170 SP RS09755 WP 000642718.1	LDKLEKKIITID....NLADYFYGYGEENSIPQVVFLLLEKQKTTITAAESLTAGLFQATVADFA GASDIFKGGFTTYS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFEGGFVTYS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFEGLSLRDLICYGYGEEASLASIVVEELKQCKTITAAESLTAGLFQATVAD FSGASSIFKGGFVTYS	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFEGLSLRDLICYGYGEEASLASIVVEELKRQCKTITSAESLTAGLFQARVAD FSGASSIFKGGFVTYS	312
consensus	!***!***!* * *****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 124 BSU 16930 NP 389575.2	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	NVVKQNVLGKKETLDRFGAVSKECAGELAKGVQKLTCSDIGISFTGVAGPDAQEGHEPCHVFICISANGKEEVHEFHFA	370
NTDB id 1159678 QOR57 RS09930 WP 001200975.1	LGI.....ESGWS.EEADCIHQELQADLCLAVSVLIKPESTEDNVLAQVYLTATPSGISQKEIDL	393
NTDB id 412 SMU RS09535 WP 002262393.1	MEAKSQLTGIPKKKLCQYGVISHFTABAMACQARQLLKADFGIGLTGVAGPDELEGYPAGTVFIGIATPEGVSSIKVSIG	388
NTDB id 170 SP RS09755 WP 000642718.1	LEEKARMLGIPFEDLQLHGVSVAFTA EKMAERSRLTQADLALISLTGVAGPDSLECGPAGTVFIGLSSSKRTMAIKVLIG	392
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
consensus	***** * *****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 124 BSU 16930 NP 389575.2	GRSRADVRHIAVMHAFNLVRKALLSD	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GSRTGIRKRCAGYCHLLKLL.EQK...	393
NTDB id 1159678 QOR57 RS09930 WP 001200975.1	GYSWQYLRLACLQAWLEVRNTL.....	419
NTDB id 412 SMU RS09535 WP 002262393.1	CKSRSDVRHISTLHAFDLVRKALLKI....	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRSDVRYIAVLHAFNLVRQTLLSHKNLV	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRHIAVMHAFNLVRKALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRHIAVMHAFNLVRKALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRHIAVMHAFNLVRKALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRHIAVMHAFNLVRKALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRHIAVMHAFNLVRKALLSD....	418
consensus	!*****!*****!*****!*****!*****!*****!*****!*****!*****	

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