

```

NTDB id 398379 GII76 RS09580 WP 033883732.1
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

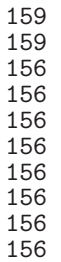
```



```

NTDB id 398379 GII76 RS09580 WP 033883732.1
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

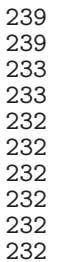
```



```

NTDB id 398379 GII76 RS09580 WP 033883732.1
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

```



logo

NTDB id 398379 GII76 RS09580 WP 033883732.1	LKETEAVILE.....RVGEFFYGYDD..TSLVKEISIACKEKGITISAAESFTGGGLFSEWLT	311
NTDB id 124 BSU 16930 NP 389575.2	LKETEAVILE.....RVGEFFYGYDD..TSLVKEISIACKEKGITISAAESFTGGGLFSEWLT	311
NTDB id 462 GPW51 RS00385 WP 012774894.1	LNQLEEDILQHD....KLADYFYAYGEDNSLVKTVATRLEAKRQTIAIVEQGTGGLLQAE	308
NTDB id 412 SMU RS09535 WP 002262393.1	LDKLEKKIITID.....NLADYFYGYGEENSLPQVVFDLLKEKGKTTITAAESLTAGLFQAR	308
NTDB id 170 SP RS09755 WP 000642718.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETSLSASIVVEELKRQKGKTIAAAESLTAGLFQAT	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETSLSASIVVEELKRQKGKTIAAAESLTAGLFQAT	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETSLSASIVVEELKRQKGKTIAAAESLTAGLFQAT	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETSLSASIVVEELKRQKGKTIAAAESLTAGLFQAT	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFFEGISLRDLFCYGYGEEASLASIVVEELKKQGGKTITAAESLTAGLFQAT	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFFEGISLRDLFCYGYGEETSLSASIVVEELKRQGGKTITSAESLTAGLFQAR	312
consensus	!***!***!* *****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 398379 GII76 RS09580 WP 033883732.1	NDVKKQNVLGVKKETLDRFGAVSEECASELAKGVQKLTGSDIGISFTGTVAGPDAQEGHEP	391
NTDB id 124 BSU 16930 NP 389575.2	NDVKKQNVLGVKKETLDRFGAVSKECASELAKGVQKLTGSDIGISFTGTVAGPDAQEGHEP	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	LGIES.....GWLSEADCIHQELQADLGLAVSVLIKPESTEDNVLAQVYLTATPSGISQKE	370
NTDB id 412 SMU RS09535 WP 002262393.1	TEEKARMLGIPFEDLQLHGVVSAFTAQKMAERSRLTQADLAISLTGTVAGPDSLEGHPAGTV	388
NTDB id 170 SP RS09755 WP 000642718.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPAKNLEEHGVVSEFTAQKMAEQARSKTQSDFGISLTGTVAGPDSLEGHPVGT	392
consensus	***** * *****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 398379 GII76 RS09580 WP 033883732.1	GSRT.GIRKRGAKYGCHLILKLEQK.....	416
NTDB id 124 BSU 16930 NP 389575.2	GSRT.GIRKRGAKYGCHLILKLEQK.....	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GYSWQYLRQL....ACLQAWDFVRNTL.....	393
NTDB id 412 SMU RS09535 WP 002262393.1	GRSRSDVRYI....AVLHAFNLRVQTLLSHKNLV	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRHI....AVMHAFNLRVQALLSD....	418
consensus	!*****!***** *****	

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