

```

NTDB id 124 BSU 16930 NP 389575.2
NTDB id 462 GPW51 RS00385 WP 012774894.1
NTDB id 1158846 QOR55 RS10030 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 1158846 QOR55 RS10030 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	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	308
NTDB id 1158846 QOR55 RS10030 WP 001200975.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	313
NTDB id 412 SMU RS09535 WP 002262393.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	308
NTDB id 170 SP RS09755 WP 000642718.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDCQTFEGLSLRDFCYGYGEETSLASIVVEELKRQCKTIAAAESLTAGLFQATVANFSGVSSIFKGGFVTYS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFEGLSLRDLFCYGYGEETSLASIVVEELKRQCKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYS	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFEGLSLRDLFCYGYGEETSLASIVVEELKRQCKTITSAESLTAGLFQARVADFSGASSIFKGGFVTYS	312
consensus	!***!***!* * *****!*****!*****!*****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 124 BSU 16930 NP 389575.2	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	370
NTDB id 1158846 QOR55 RS10030 WP 001200975.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	393
NTDB id 412 SMU RS09535 WP 002262393.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	388
NTDB id 170 SP RS09755 WP 000642718.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPAKNLEEHCWSEFTAQKMAEQARSKTQSDFGISLTGVAGPDSLEGHVPAGTVFIGLAQDQGTEVIKVNIG	392
consensus	***** * *****!*****!*****!*****!*****!*****!*****!*****!*****	

logo

NTDB id 124 BSU 16930 NP 389575.2	GRSRADVRHIAVMHAFNLVRKALLSD	416
NTDB id 462 GPW51 RS00385 WP 012774894.1	GRSRADVRHIAVMHAFNLVRKALLSD	393
NTDB id 1158846 QOR55 RS10030 WP 001200975.1	GRSRADVRHIAVMHAFNLVRKALLSD	419
NTDB id 412 SMU RS09535 WP 002262393.1	GRSRADVRHIAVMHAFNLVRKALLSD	418
NTDB id 170 SP RS09755 WP 000642718.1	GRSRADVRHIAVMHAFNLVRKALLSD	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