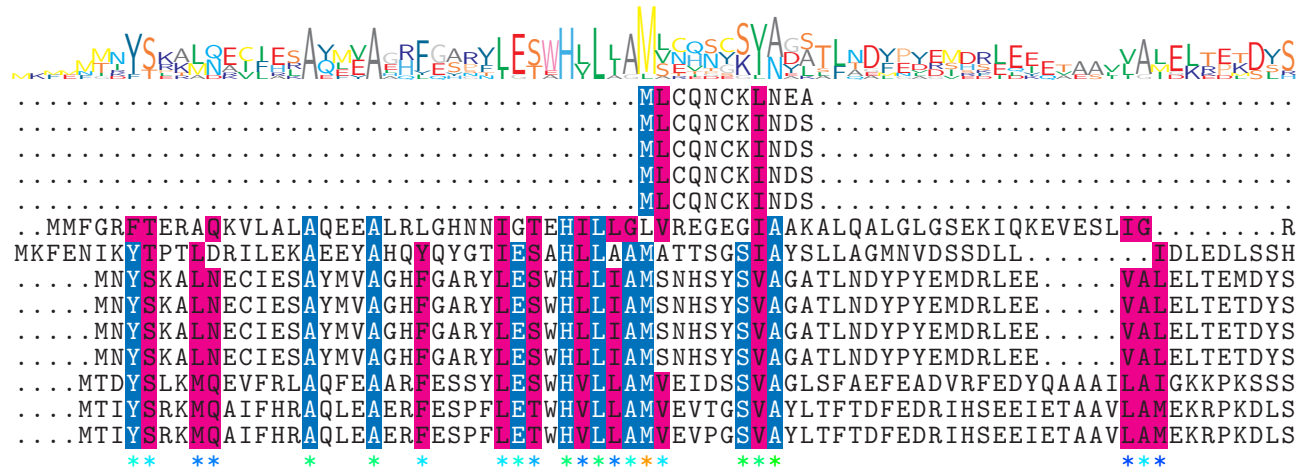


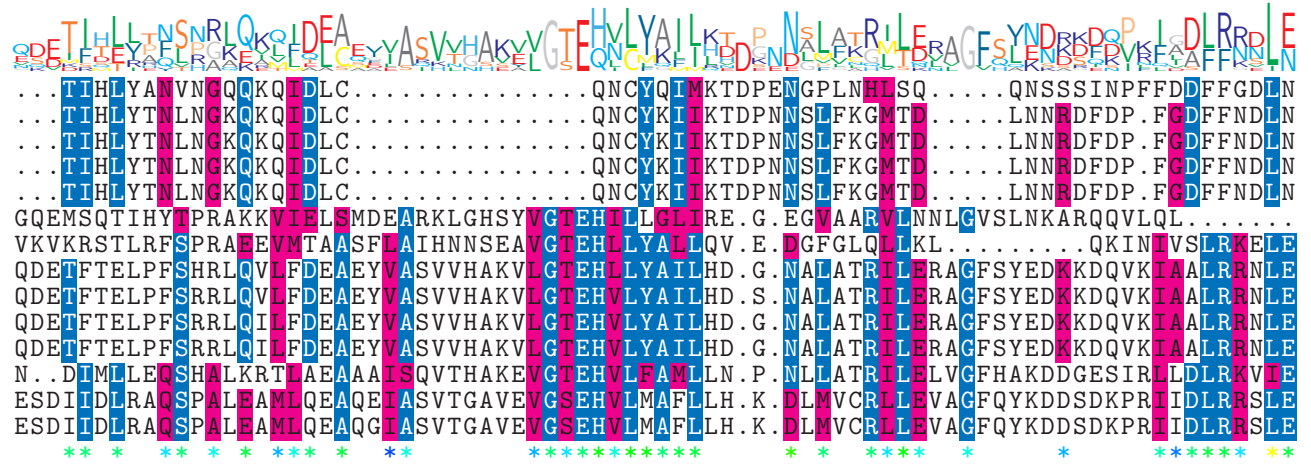
logo

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



logo

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



logo

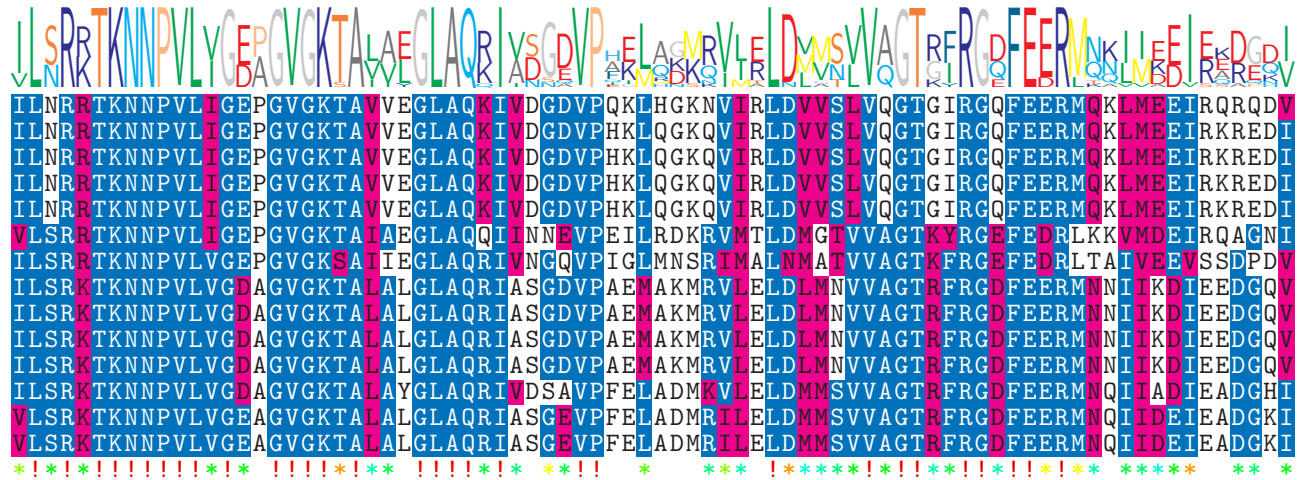
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



```

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

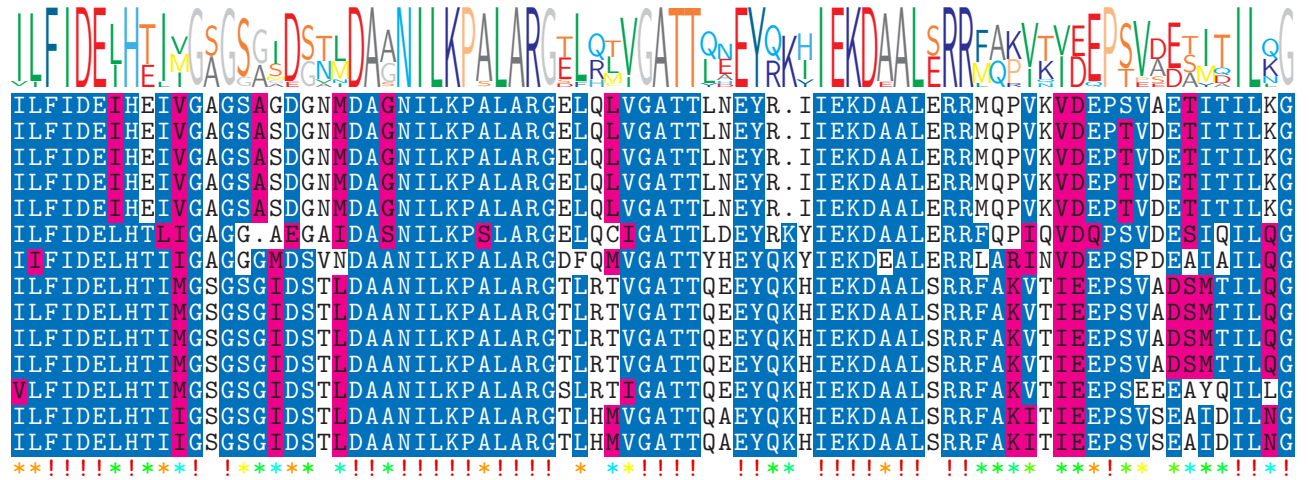
```



```

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

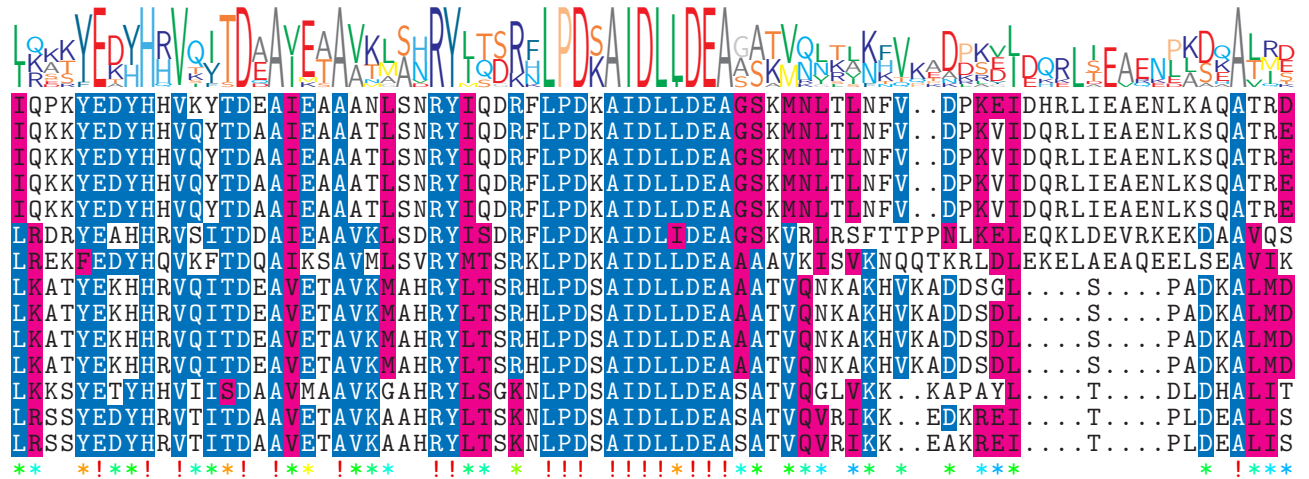
```



```

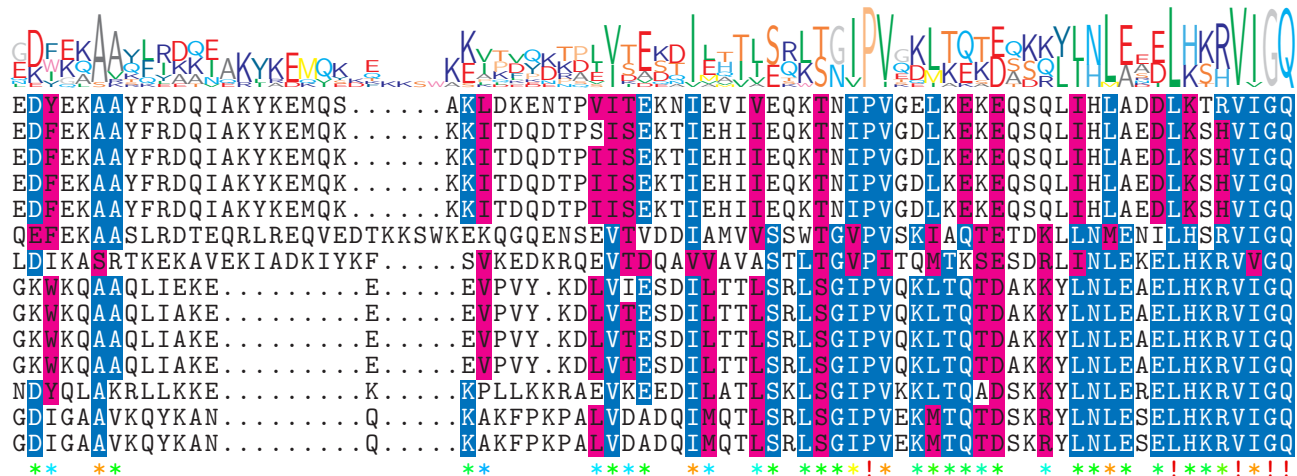
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

```



logo

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



456
455
455
455
455
513
522
517
517
517
517
520
523
523

logo

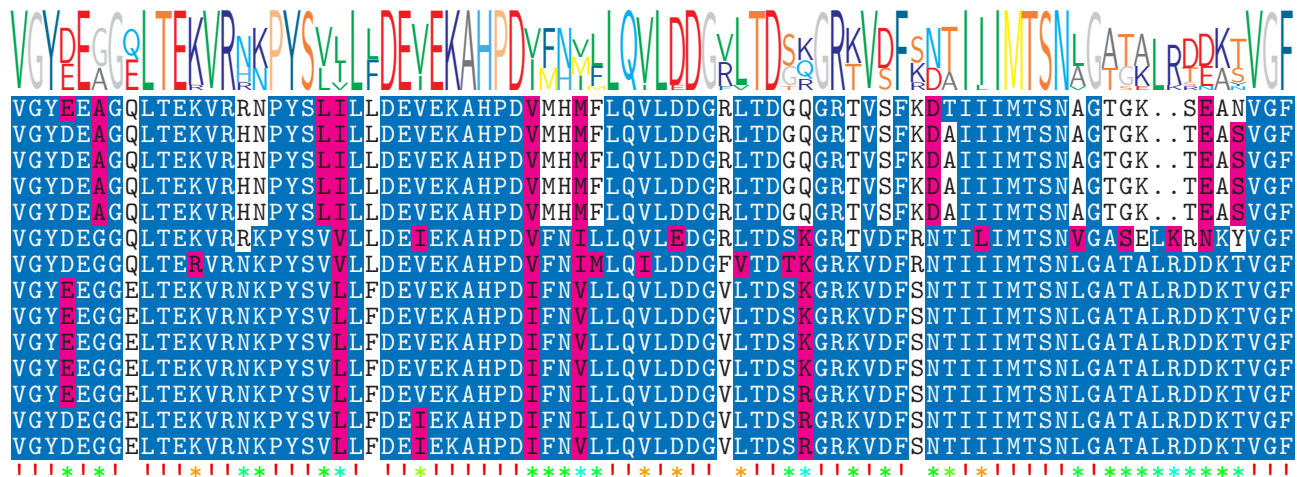
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



536
535
535
535
535
593
602
597
597
597
597
600
603
603

logo

NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



614
613
613
613
613
673
682
677
677
677
677
680
683
683

logo

NTDB id 378 SMU RS02690 WP 002263569.1	GASREG....RTNSVLGELGNFFSPEFMNRF	689
NTDB id 241 SP RS04015 WP 000882523.1	GAAREG....RTNSVLGELGNFFSPEFMNRF	688
NTDB id 281 KZH43 RS03550 WP 000882517.1	GAAREG....RTNSVLGELGNFFSPEFMNRF	688
NTDB id 245 SPD RS03860 WP 000882517.1	GAAREG....RTNSVLGELGNFFSPEFMNRF	688
NTDB id 243 SPR RS03635 WP 000882517.1	GAAREG....RTNSVLGELGNFFSPEFMNRF	688
NTDB id 85 BSU 00860 NP 387967.1	NVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEI	753
NTDB id 610 V4T04 RS10165 WP 012897346.1	GAKNITADYSAMKSRILEELKRHYRPEFLNRIDEN	762
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEK	757
NTDB id 287 SP RS11210 WP 001109712.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEK	757
NTDB id 290 KZH43 RS10025 WP 001109677.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEK	757
NTDB id 289 SPD RS10700 WP 001109677.1	GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEK	757
NTDB id 377 SMU RS09275 WP 002262344.1	GAKSFSQDYKAMESRILEELKKVYRPEFINRIDEK	760
NTDB id 297 STER RS00545 WP 011680614.1	GAQTISHNHQAMQARIMEELKKSYPPEFINRIDEK	763
NTDB id 329 STU RS10020 WP 011225298.1	GAQTISHNHQAMQARIMEELKKSYPPEFINRIDEK	763
consensus	** * ****!*** **!!!!!!** **!!!!* * * *!!!!* **	

logo

NTDB id 378 SMU RS02690 WP 002263569.1	LGYPDKMGARPLRRTIQEHTIEDAITDFYLEHPEQKELK	753
NTDB id 241 SP RS04015 WP 000882523.1	LGYPDKMGARPLRRTIQDYIEDTITDYYLENPSEKDLK	752
NTDB id 281 KZH43 RS03550 WP 000882517.1	LGYPDKMGARPLRRTIQDYIEDTITDYYLENPSEKDLK	752
NTDB id 245 SPD RS03860 WP 000882517.1	LGYPDKMGARPLRRTIQDYIEDTITDYYLENPSEKDLK	752
NTDB id 243 SPR RS03635 WP 000882517.1	LGYPDKMGARPLRRTIQDYIEDTITDYYLENPSEKDLK	752
NTDB id 85 BSU 00860 NP 387967.1	EGVDLEYGARPLRRAIQKHVEDRLSEELLRGNTHKQGHIVLDVED	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	VGFDPEYGARPLRKALQKEVEDLLSEQLLSGEITKAGNHVSIGAS	816
NTDB id 1007429 ABKJ27 RS00275 WP 293959280.1	QGYDPEMGARPLRRTLQTEVEDKLAELLLKGLEAGSTLKIGVKAGQLKFDIA	810
NTDB id 287 SP RS11210 WP 001109712.1	QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDIVAGSTLKIGVKAGQLKFDIA	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDIVAGSILKIGVKAGQLKFDIA	810
NTDB id 289 SPD RS10700 WP 001109677.1	QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDIVAGSILKIGVKAGQLKFDIA	810
NTDB id 377 SMU RS09275 WP 002262344.1	AGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV	813
NTDB id 297 STER RS00545 WP 011680614.1	DGYDIEMGARPLRRTIQTQVEDKLSLELLGGQVVSQQTTLKIGCSKDKLTFTTVV	816
NTDB id 329 STU RS10020 WP 011225298.1	DGYDIEMGARPLRRTIQTQVEDKLSLELLGGQVVSQQTTLKIGCSKDKLTFTTVV	816
consensus	!***!!***** *!!!!***** *! * * * * * * * * * *	

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