

logo

```
NTDB id 319236 D9C10 RS07295 WP 003231847.1
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
```

[illegible]

logo

```

NTDB id 319236 D9C10 RS07295 WP 003231847.1
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

```

T K Q T L A K F L G K A L V F D P Q A E K I D F F A L R P D Y A R T P N N E R Q A Q I V E G A I P L N E T G L A V G G K L E D G V T Y V L P G P P S E	
E I N T K R E L N E F P S R T E Y K Q T R M S I R K C L V I A S P X A R E W P M L T H S R Y M L	
T K E T I A N T L G R P L V L N D E A F S I E D Y F K . R T K R T M S P N N R K Q A L V I E G S D V L A N H F G M A P G M I T H E S R Y Y M L P G P P S E	159
T K E T I A N T L G R P L V L N D E A F S I E D Y F K . R T K R T M S P N N R K Q A L V I E G S D V L A N H F G M A P G M I T H E S R Y Y M L P G P P S E	159
T K Q T L T A F L G R N L V D E L A M A K L D R F F A S R P G R V R T P N N E R Q A L Q N P A G L V G M I E Q D G V T Y I V L P G P P S E	156
T K Q T L A K F L K R E L V D K T A Q E R L D E F F A S R P T S M R T P N N E C Q A Q I I A G S Q P L S N K T G L A V G G L L E A D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K A L V F D P Q A E K I D I F F T L R P D Y A R T P N N E R Q A I V E G A I P L N E T G L A V G G K L E D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K A L V F D P Q A E K I D I F F A L R P D Y A R T P N N E R Q A I V E G A I P L N E T G L A V G G K L E D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K A L V F D P Q A E K I D I F F A L R P D Y A R T P N N E R Q A I V E G A I P L N E T G L A V G G K L E D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K A L V F D P Q A E K I D I F F A L R P D Y A R T P N N E R Q V I V E G A I P L N E T G L A V G G K L E D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K E L V F D P Q A E K I D V F F A Q R P D Y A R T P N N E R Q A I V E G A T P L P N E T G L A V G G I L E D G V T Y V V L P G P P S E	156
T K Q T L A K F L G K E L V F D P Q A E K I D V F F A Q R P D Y A R T P N N E R Q A L V E G A I P L N E T G L A V G G I L E D G V T Y V V L P G P P S E	156

logo

```

NTDB id 319236 D9C10 RS07295 WP 003231847.1
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

```

[illegible]

logo

NTDB id 319236 D9C10 RS07295 WP 003231847.1	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	LDILENQILDQCQTFFEGISLRDFCYGYGEETS	312
NTDB id 280 KZH43 RS08670 WP 000642700.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETS	312
NTDB id 205 SPR RS08830 WP 000642700.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETS	312
NTDB id 239 SPD RS09270 WP 000642701.1	LDILENQILDQCQTFFEGISLRDFCYGYGEETS	312
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LDILENQILGRQTFFEGISLRDL	312
NTDB id 510 SM12261 RS08320 WP 000642690.1	LDILENQILGRQTFFEGISLRDL	312
consensus	!***!***!*	

logo

NTDB id 319236 D9C10 RS07295 WP 003231847.1	NDVKQNVLGVKKETLDRFGAVSKEC	391
NTDB id 124 BSU 16930 NP 389575.2	NDVKQNVLGVKKETLDRFGAVSKEC	391
NTDB id 462 GPW51 RS00385 WP 012774894.1	LGIES.....GWS.EEAD	370
NTDB id 412 SMU RS09535 WP 002262393.1	TEEKARMLGIPFEDLQLHGVVSAFTA	388
NTDB id 170 SP RS09755 WP 000642718.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
NTDB id 280 KZH43 RS08670 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
NTDB id 205 SPR RS08830 WP 000642700.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
NTDB id 239 SPD RS09270 WP 000642701.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
NTDB id 538 SMSK321 RS11060 WP 000642686.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
NTDB id 510 SM12261 RS08320 WP 000642690.1	LEEKSRMLDIPAKNLEEHGVVSEFTA	392
consensus	*****	

logo

NTDB id 319236 D9C10 RS07295 WP 003231847.1	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....AVMHAFNLRKALLSD....	418
NTDB id 280 KZH43 RS08670 WP 000642700.1	GRSRADVRHI....AVMHAFNLRKALLSD....	418
NTDB id 205 SPR RS08830 WP 000642700.1	GRSRADVRHI....AVMHAFNLRKALLSD....	418
NTDB id 239 SPD RS09270 WP 000642701.1	GRSRADVRHI....AVMHAFNLRKALLSD....	418
NTDB id 538 SMSK321 RS11060 WP 000642686.1	GRSRADVRHI....AVMHAFNLRKALLSD....	418
NTDB id 510 SM12261 RS08320 WP 000642690.1	GRSRADVRHI....AVMHAFNLRKALLSD....	418
consensus	!*****!*	

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