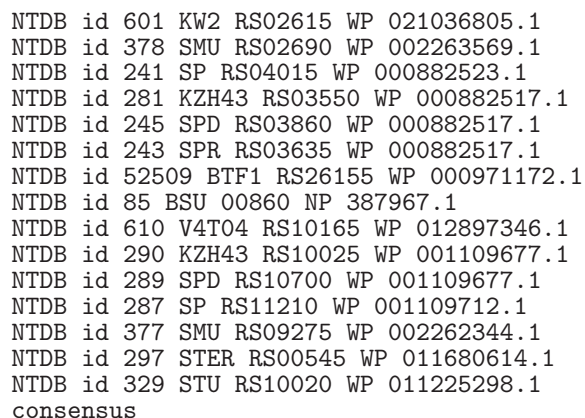


```

NTDB id 601 KW2 RS02615 WP 021036805.1
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 52509 BTF1 RS26155 WP 000971172.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
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

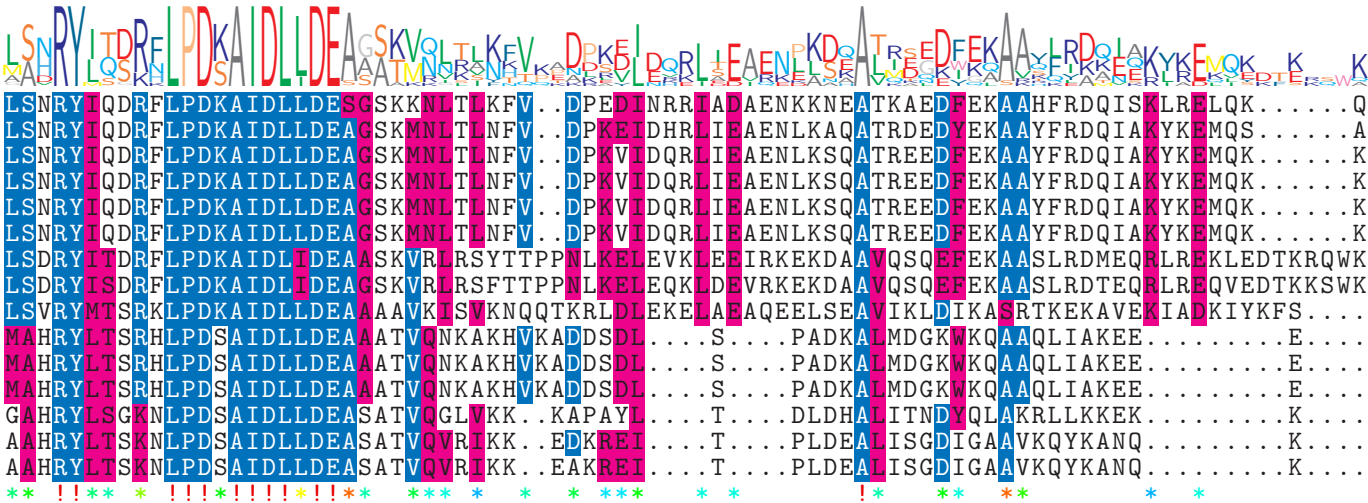
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 52509 BTF1 RS26155 WP 000971172.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
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



320
327
326
326
326
326
377
376
390
403
403
403
407
410
410

logo

NTDB id 601 KW2 RS02615 WP 021036805.1
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 52509 BTF1 RS26155 WP 000971172.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
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



397
404
403
403
403
403
462
461
471
467
467
467
469
472
472

logo

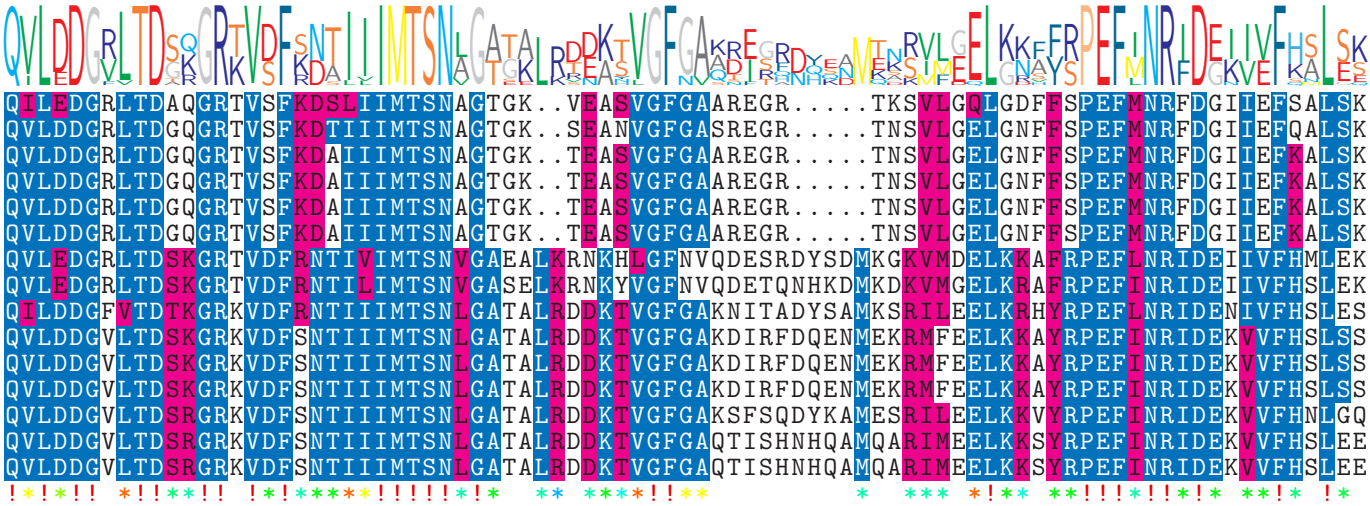
NTDB id 601	KW2	RS02615	WP 021036805.1		482
NTDB id 378	SMU	RS02690	WP 002263569.1		489
NTDB id 241	SP	RS04015	WP 000882523.1		488
NTDB id 281	KZH43	RS03550	WP 000882517.1		488
NTDB id 245	SPD	RS03860	WP 000882517.1		488
NTDB id 243	SPR	RS03635	WP 000882517.1		488
NTDB id 52509	BTF1	RS26155	WP 000971172.1		547
NTDB id 85	BSU	00860	NP 387967.1		546
NTDB id 610	V4T04	RS10165	WP 012897346.1		555
NTDB id 290	KZH43	RS10025	WP 001109677.1		550
NTDB id 289	SPD	RS10700	WP 001109677.1		550
NTDB id 287	SP	RS11210	WP 001109712.1		550
NTDB id 377	SMU	RS09275	WP 002262344.1		553
NTDB id 297	STER	RS00545	WP 011680614.1		556
NTDB id 329	STU	RS10020	WP 011225298.1		556
consensus					

logo

NTDB id 601	KW2	RS02615	WP 021036805.1		567
NTDB id 378	SMU	RS02690	WP 002263569.1		574
NTDB id 241	SP	RS04015	WP 000882523.1		573
NTDB id 281	KZH43	RS03550	WP 000882517.1		573
NTDB id 245	SPD	RS03860	WP 000882517.1		573
NTDB id 243	SPR	RS03635	WP 000882517.1		573
NTDB id 52509	BTF1	RS26155	WP 000971172.1		632
NTDB id 85	BSU	00860	NP 387967.1		631
NTDB id 610	V4T04	RS10165	WP 012897346.1		640
NTDB id 290	KZH43	RS10025	WP 001109677.1		635
NTDB id 289	SPD	RS10700	WP 001109677.1		635
NTDB id 287	SP	RS11210	WP 001109712.1		635
NTDB id 377	SMU	RS09275	WP 002262344.1		638
NTDB id 297	STER	RS00545	WP 011680614.1		641
NTDB id 329	STU	RS10020	WP 011225298.1		641
consensus					

logo

NTDB id	601	KW2	RS02615	WP	021036805.1
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	52509	BTF1	RS26155	WP	000971172.1
NTDB id	85	BSU	00860	NP	387967.1
NTDB id	610	V4T04	RS10165	WP	012897346.1
NTDB id	290	KZH43	RS10025	WP	001109677.1
NTDB id	289	SPD	RS10700	WP	001109677.1
NTDB id	287	SP	RS11210	WP	001109712.1
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					



645
652
651
651
651
651
717
716
725
720
720
720
723
726
726

logo

NTDB id	601	KW2	RS02615	WP	021036805.1
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	52509	BTF1	RS26155	WP	000971172.1
NTDB id	85	BSU	00860	NP	387967.1
NTDB id	610	V4T04	RS10165	WP	012897346.1
NTDB id	290	KZH43	RS10025	WP	001109677.1
NTDB id	289	SPD	RS10700	WP	001109677.1
NTDB id	287	SP	RS11210	WP	001109712.1
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					



729
736
735
735
735
735
802
801
810
805
805
805
808
811
811

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDEEVP	748
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNK.VETVTKATSD.	753
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 52509 BTF1 RS26155 WP 000971172.1	VIHSAEKVK.....	811
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....	810
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV.....	816
consensus		



-  non conserved
-  similar
-  ≥ 50% conserved