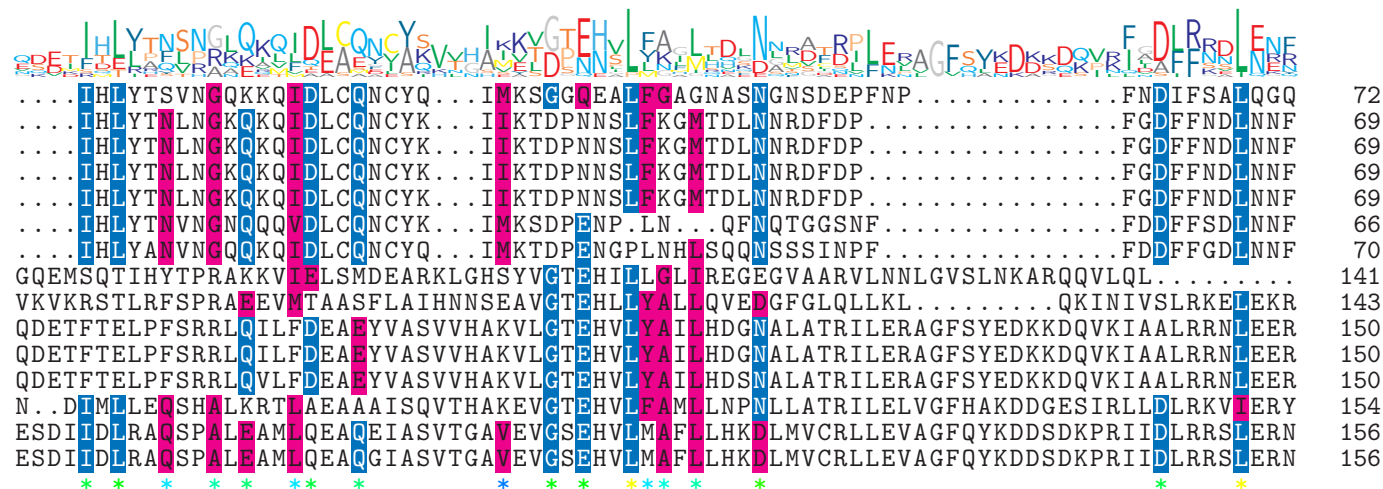
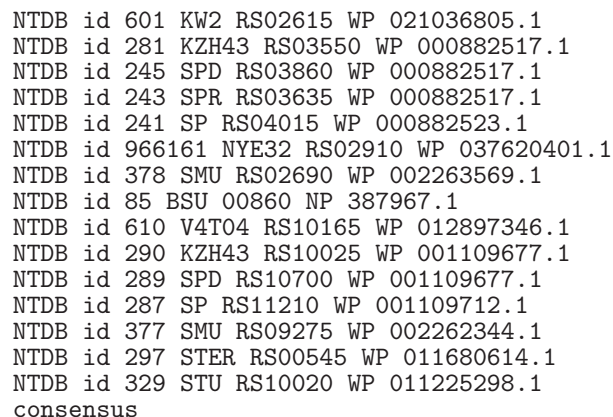


```

NTDB id 601 KW2 RS02615 WP 021036805.1
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 241 SP RS04015 WP 000882523.1
NTDB id 966161 NYE32 RS02910 WP 037620401.1
NTDB id 378 SMU RS02690 WP 002263569.1
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

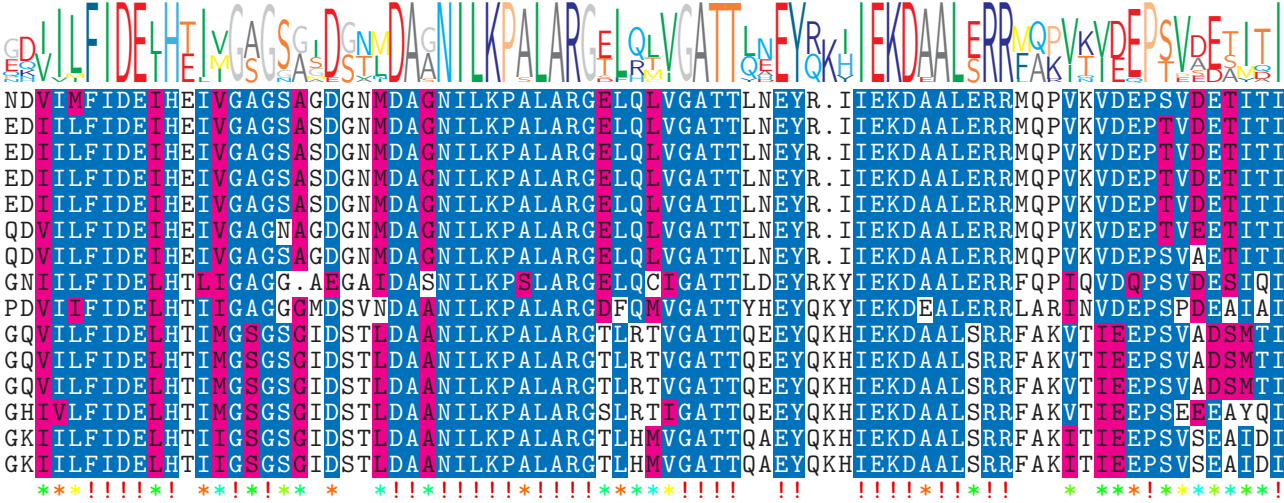
NTDB id 601 KW2 RS02615 WP 021036805.1	.DFNGAASN.....QTPPTQTGCR.....GPRGPNPRAKQPKGMLLEFGINITESARRGEIDPVIGRDEEIKR	135
NTDB id 281 KZH43 RS03550 WP 000882517.1	RPSSN..TP.....PIPTPTQSGGGYGGNGGY.GSQNRGSAQTTPPSQEKGLLEFGINVTETIARRGIDPVIIGRDEEIR	141
NTDB id 245 SPD RS03860 WP 000882517.1	RPSSN..TP.....PIPTPTQSGGGYGGNGGY.GSQNRGSAQTTPPSQEKGLLEFGINVTETIARRGIDPVIIGRDEEIR	141
NTDB id 243 SPR RS03635 WP 000882517.1	RPSSN..TP.....PIPTPTQSGGGYGGNGGY.GSQNRGSAQTTPPSQEKGLLEFGINVTETIARRGIDPVIIGRDEEIR	141
NTDB id 241 SP RS04015 WP 000882523.1	RPSSN..TP.....PIPTPTQSGGGYGGNGGY.GSQNRGSAQTTPPSQEKGLLEFGINVTETIARRGIDPVIIGRDEEIR	141
NTDB id 966161 NYE32 RS02910 WP 037620401.1	RSS.NGDLPL....NTPPTQEGGNRGNGGNTQGPRPGGPRQQAPQPPQGLLEFGINITDIARRGIDPVIIGRDEEIR	140
NTDB id 378 SMU RS02690 WP 002263569.1	RAFNNQDLP....NTPPTQAGGGNGNGGNNR...RPGGPQQQASQKPNGLLEFGINLTDIARKGEIDPVIIGRDEEITR	142
NTDB id 85 BSU 00860 NP 387967.1	LGSNET.....GSSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQR	191
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGLKVPESKKAVTPMSKRKMAKG.....VAENSTPTLDSVSSDLTEEARLGKLDPMIGREAEIDR	204
NTDB id 290 KZH43 RS10025 WP 001109677.1	AGWTREDLKA.LRQRHRTV.ADKQ.....NSMANMMGMPQTPSGGLEDYTHDLTEQARSGLKLEPVIIGRDKEISR	217
NTDB id 289 SPD RS10700 WP 001109677.1	AGWTREDLKA.LRQRHRTV.ADKQ.....NSMANMMGMPQTPSGGLEDYTHDLTEQARSGLKLEPVIIGRDKEISR	217
NTDB id 287 SP RS11210 WP 001109712.1	AGWTREDLKA.LRQRHRTV.ADKQ.....NSMANMMGMPQTPSGGLEDYTHDLTEQARSGLKLEPVIIGRDKEISR	217
NTDB id 377 SMU RS09275 WP 002262344.1	AGFSKEDIKA.IFEMRKPKKVKNS.....SSFSDLMKPP.SVTGELADFTRDLTTELARQGRLEPVIIGREQEISR	221
NTDB id 297 STER RS00545 WP 011680614.1	AGLSKQDLKA.IHDLRKPKKSKAS.....ANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIIGRDEEISR	224
NTDB id 329 STU RS10020 WP 011225298.1	AGLSKQDLKA.IHDLRKPKKSKAS.....ANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIIGRDEEISR	224
consensus	* * * * *	

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	215
NTDB id 281 KZH43 RS03550 WP 000882517.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	221
NTDB id 245 SPD RS03860 WP 000882517.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	221
NTDB id 243 SPR RS03635 WP 000882517.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	221
NTDB id 241 SP RS04015 WP 000882523.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	221
NTDB id 966161 NYE32 RS02910 WP 037620401.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	220
NTDB id 378 SMU RS02690 WP 002263569.1	VIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	222
NTDB id 85 BSU 00860 NP 387967.1	VIEVLSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	271
NTDB id 610 V4T04 RS10165 WP 012897346.1	LIHILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	284
NTDB id 290 KZH43 RS10025 WP 001109677.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	297
NTDB id 289 SPD RS10700 WP 001109677.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	297
NTDB id 287 SP RS11210 WP 001109712.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	297
NTDB id 377 SMU RS09275 WP 002262344.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	301
NTDB id 297 STER RS00545 WP 011680614.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	304
NTDB id 329 STU RS10020 WP 011225298.1	MIQILSRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLQNKEVIRLDVVSQGTGIRGQFEERMQKLMDEIRKR	304
consensus	* * * * *	

logo

NTDB id	601	KW2	RS02615	WP	021036805.1
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	241	SP	RS04015	WP	000882523.1
NTDB id	966161	NYE32	RS02910	WP	037620401.1
NTDB id	378	SMU	RS02690	WP	002263569.1
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					



294
300
300
300
300
299
301
350
364
377
377
377
381
384
384

logo

NTDB id	601	KW2	RS02615	WP	021036805.1
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	241	SP	RS04015	WP	000882523.1
NTDB id	966161	NYE32	RS02910	WP	037620401.1
NTDB id	378	SMU	RS02690	WP	002263569.1
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					

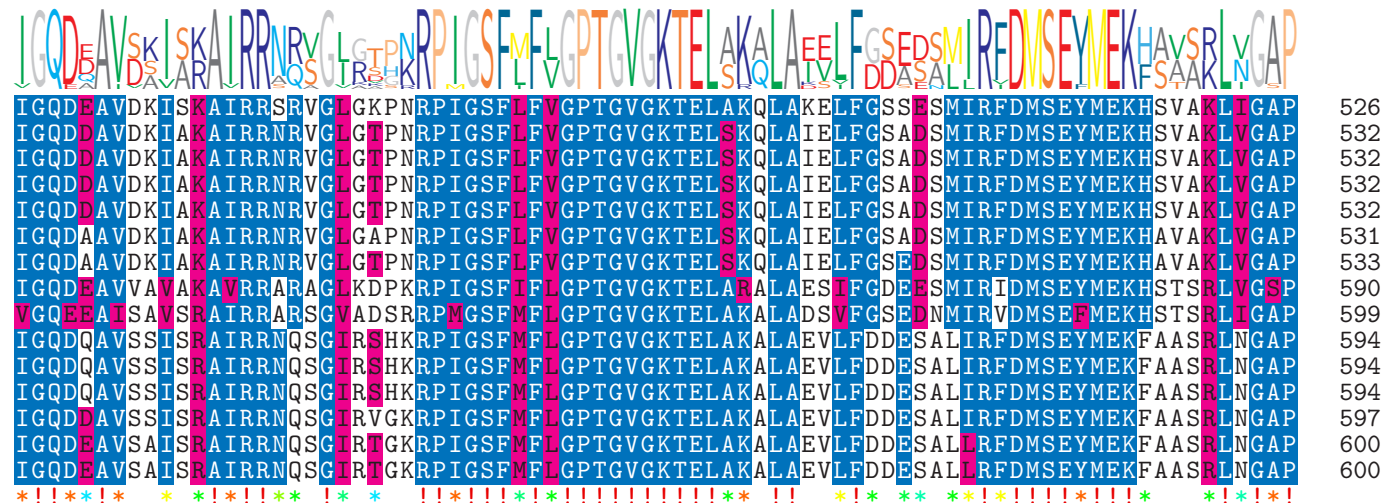


372
378
378
378
378
377
379
430
444
449
449
449
451
454
454

```

NTDB id 601 KW2 RS02615 WP 021036805.1
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 241 SP RS04015 WP 000882523.1
NTDB id 966161 NYE32 RS02910 WP 037620401.1
NTDB id 378 SMU RS02690 WP 002263569.1
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



X non conserved
X similar
X ≥ 50% conserved