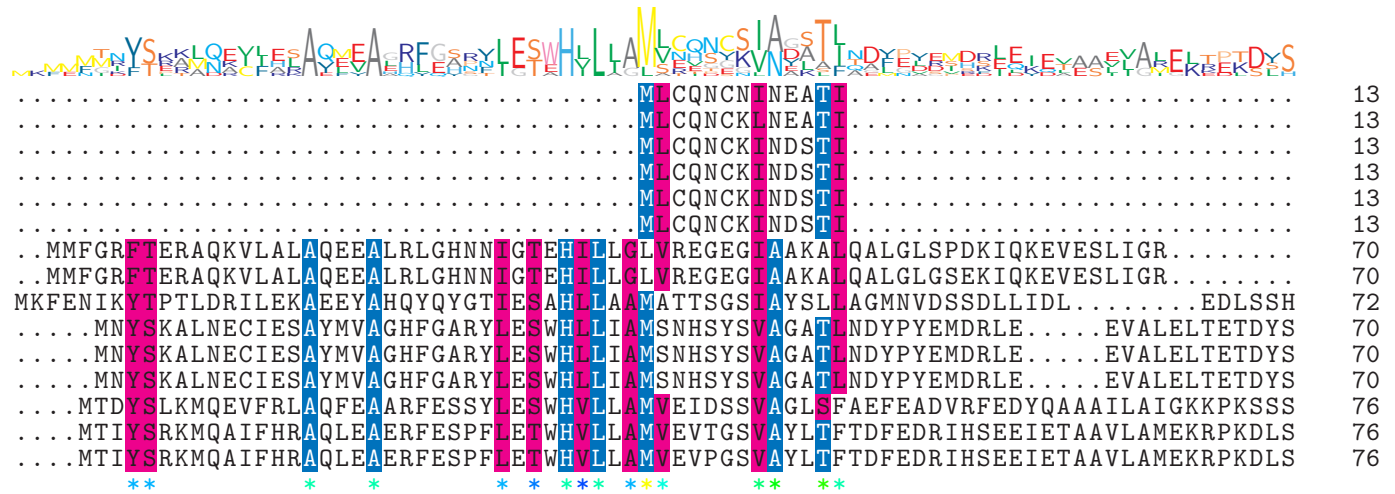


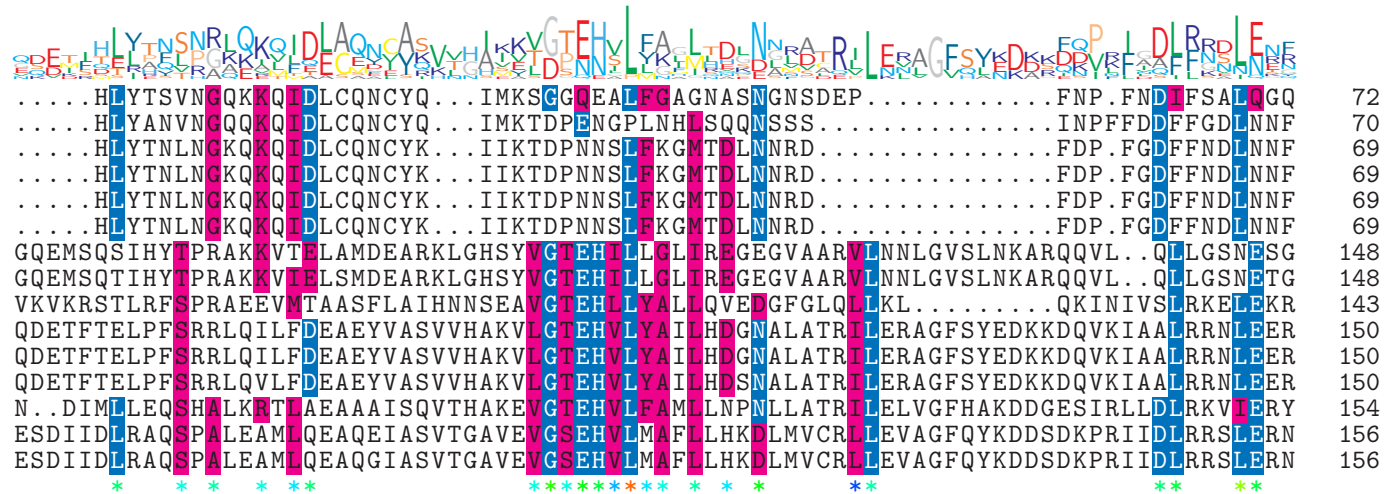
logo

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 234863 S101395 RS00600 WP 006640291.1
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



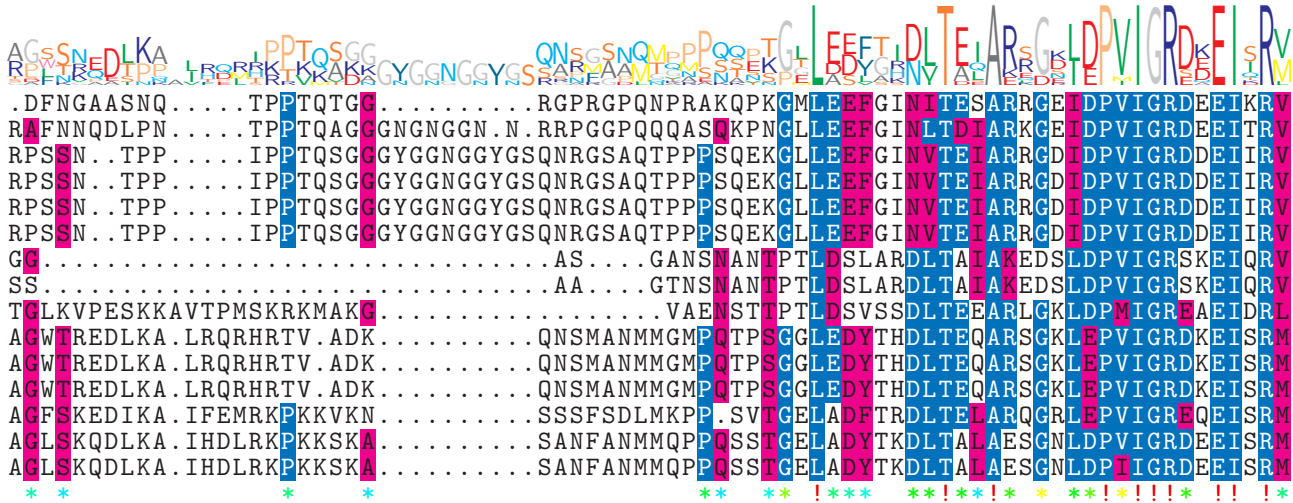
logo

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 234863 S101395 RS00600 WP 006640291.1
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	234863	S101395	RS00600	WP	006640291.1
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	234863	S101395	RS00600	WP	006640291.1
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

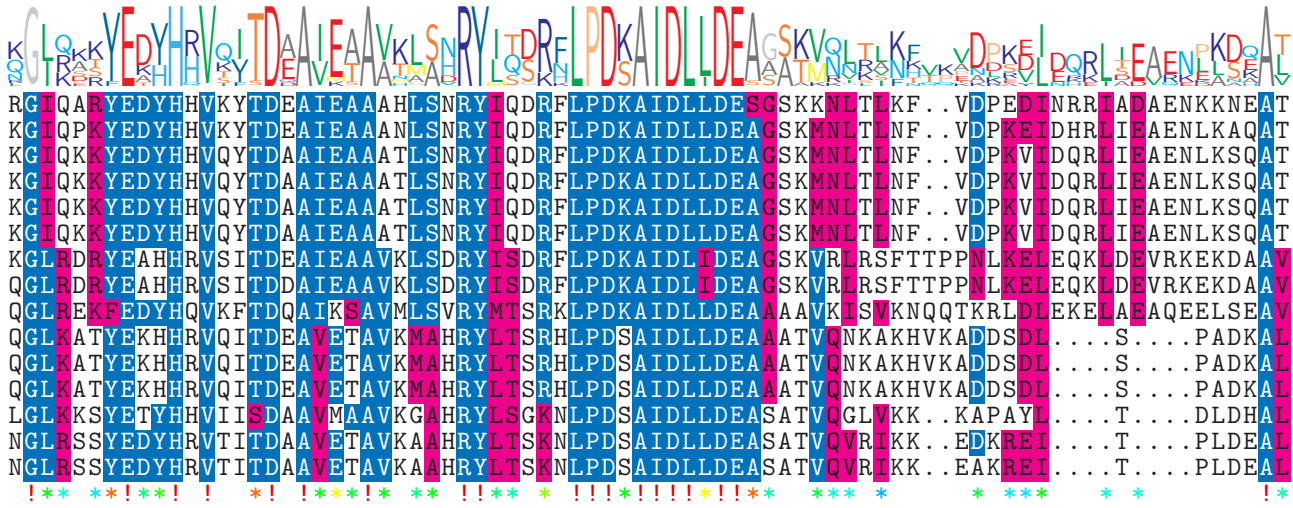
NTDB	id	601	KW2	RS02615	WP	021036805.1
NTDB	id	378	SMU	RS02690	WP	002263569.1
NTDB	id	241	SP	RS04015	WP	000882523.1
NTDB	id	281	KZH43	RS03550	WP	000882517.1
NTDB	id	245	SPD	RS03860	WP	000882517.1
NTDB	id	243	SPR	RS03635	WP	000882517.1
NTDB	id	234863	S101395	RS00600	WP	006640291.1
NTDB	id	85	BSU	00860	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						



295
302
301
301
301
301
351
351
365
378
378
378
382
385
385

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	234863	S101395	RS00600	WP	006640291.1
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						



373
380
379
379
379
379
431
431
445
450
450
450
452
455
455

```

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 234863 S101395 RS00600 WP 006640291.1
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

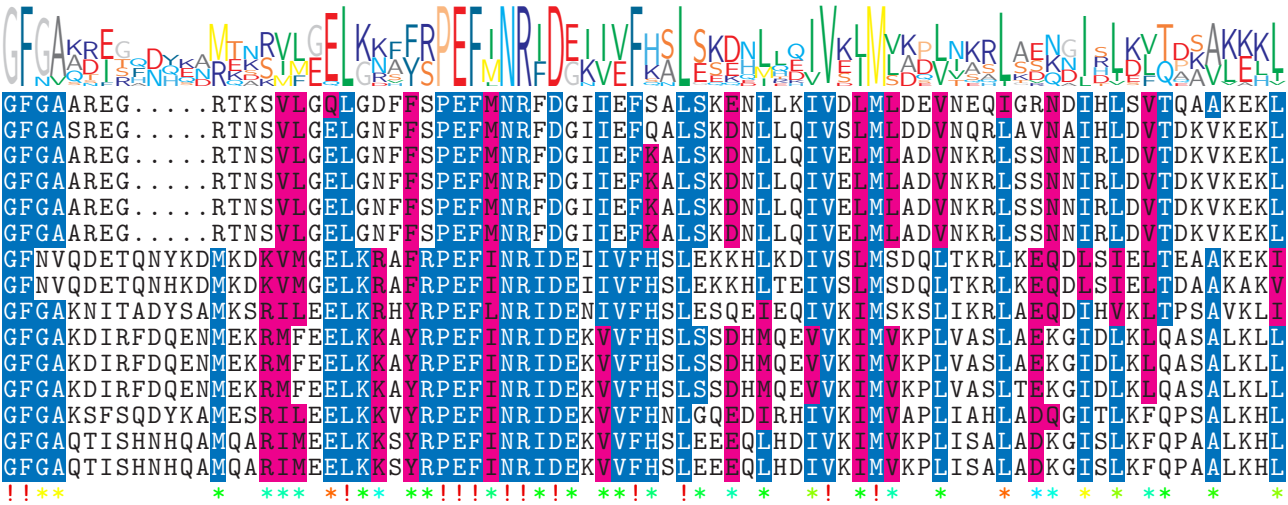
NTDB	id	601	KW2	RS02615	WP	021036805.1
NTDB	id	378	SMU	RS02690	WP	002263569.1
NTDB	id	241	SP	RS04015	WP	000882523.1
NTDB	id	281	KZH43	RS03550	WP	000882517.1
NTDB	id	245	SPD	RS03860	WP	000882517.1
NTDB	id	243	SPR	RS03635	WP	000882517.1
NTDB	id	234863	S101395	RS00600	WP	006640291.1
NTDB	id	85	BSU	00860	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						



605
612
611
611
611
611
671
671
680
675
675
675
678
681
681

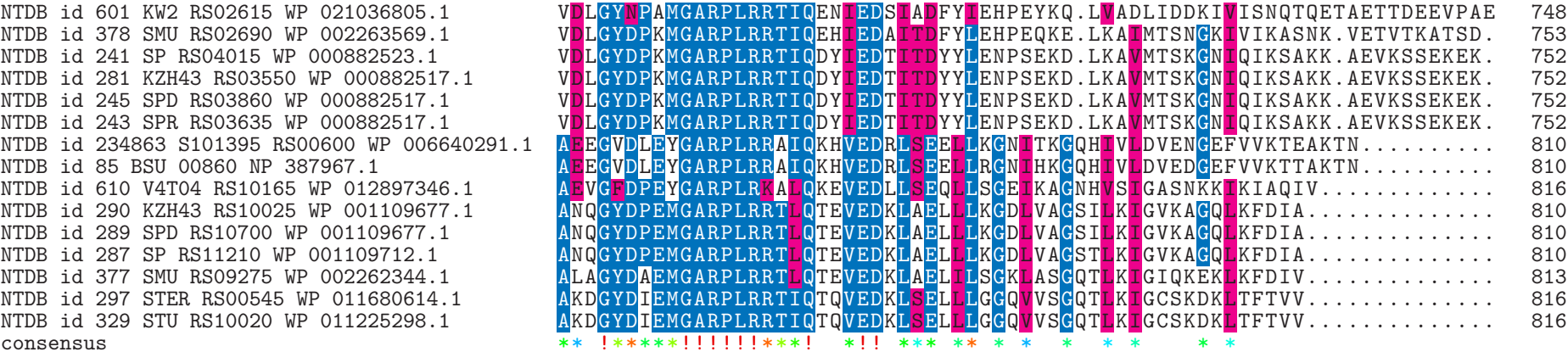
logo

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	234863	S101395	RS00600	WP	006640291.1
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						



680
687
686
686
686
686
751
751
760
755
755
755
758
761
761

logo



X non conserved
X similar
X ≥50% conserved