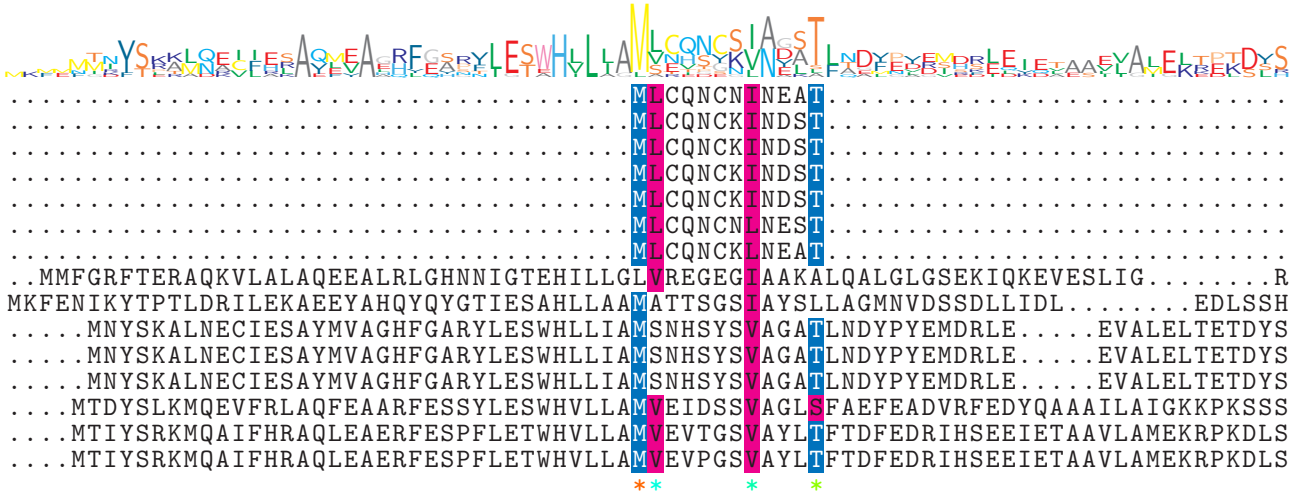


logo

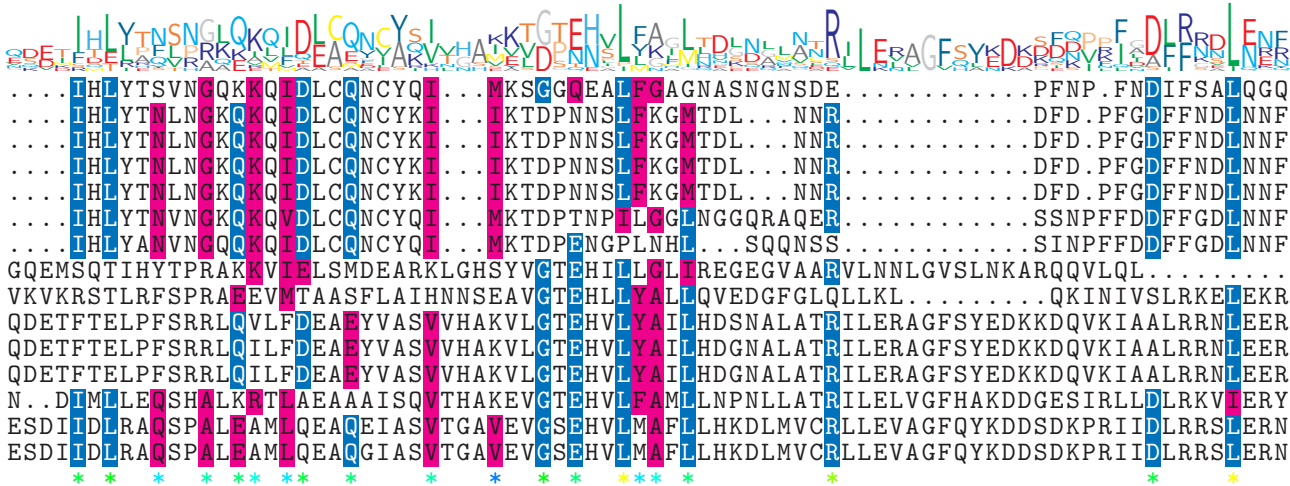
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 1127868 FGL21 RS07855 WP 003060519.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 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



12
12
12
12
12
12
12
12
70
72
70
70
70
76
76
76

logo

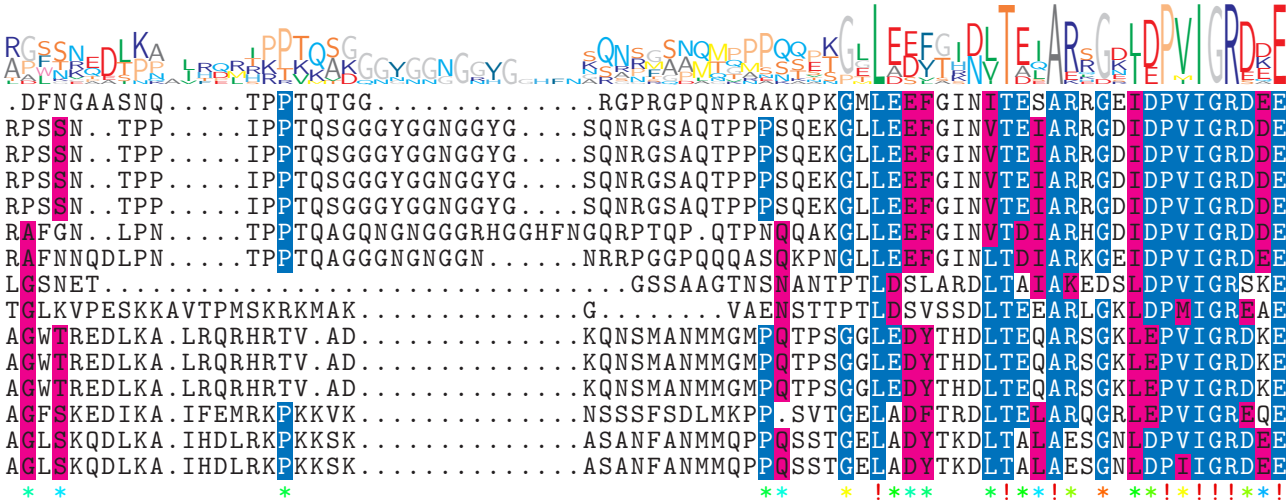
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 1127868 FGL21 RS07855 WP 003060519.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 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



72
69
69
69
69
73
70
141
143
150
150
150
154
156
156

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	1127868	FGL21	RS07855	WP	003060519.1
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	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						



132
138
138
138
138
145
139
188
201
214
214
214
218
221
221

logo

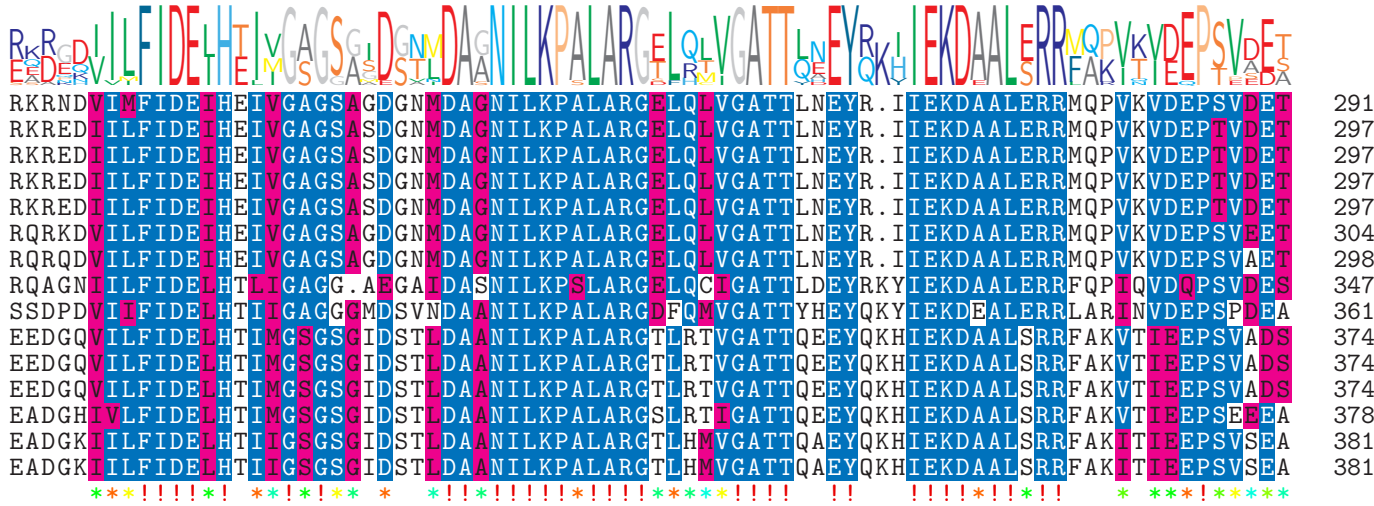
NTDB	id	601	KW2	RS02615	WP	021036805.1
NTDB	id	281	KZH43	RS03550	WP	000882517.1
NTDB	id	245	SPD	RS03860	WP	000882517.1
NTDB	id	243	SPR	RS03635	WP	000882517.1
NTDB	id	241	SP	RS04015	WP	000882523.1
NTDB	id	1127868	FGL21	RS07855	WP	003060519.1
NTDB	id	378	SMU	RS02690	WP	002263569.1
NTDB	id	85	BSU	00860	NP	387967.1
NTDB	id	610	V4T04	RS10165	WP	012897346.1
NTDB	id	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						



212
218
218
218
218
225
219
268
281
294
294
294
298
301
301

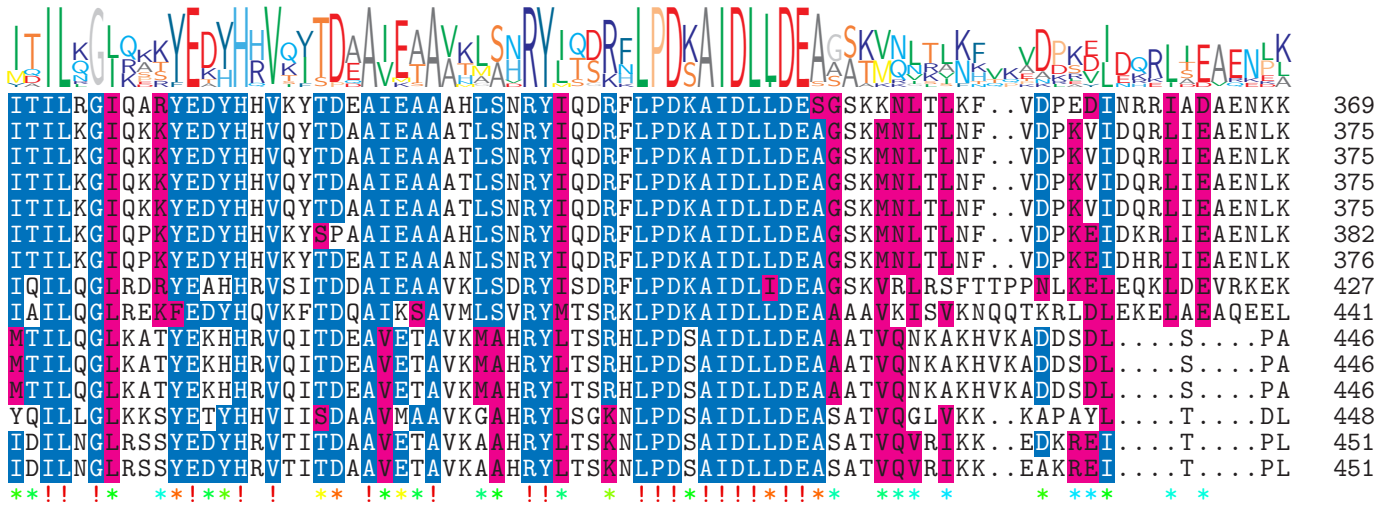
logo

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 1127868 FGL21 RS07855 WP 003060519.1
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 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 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 1127868 FGL21 RS07855 WP 003060519.1
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 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 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 1127868 FGL21 RS07855 WP 003060519.1
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 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 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 1127868 FGL21 RS07855 WP 003060519.1
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 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



non conserved
 similar
 ≥ 50% conserved