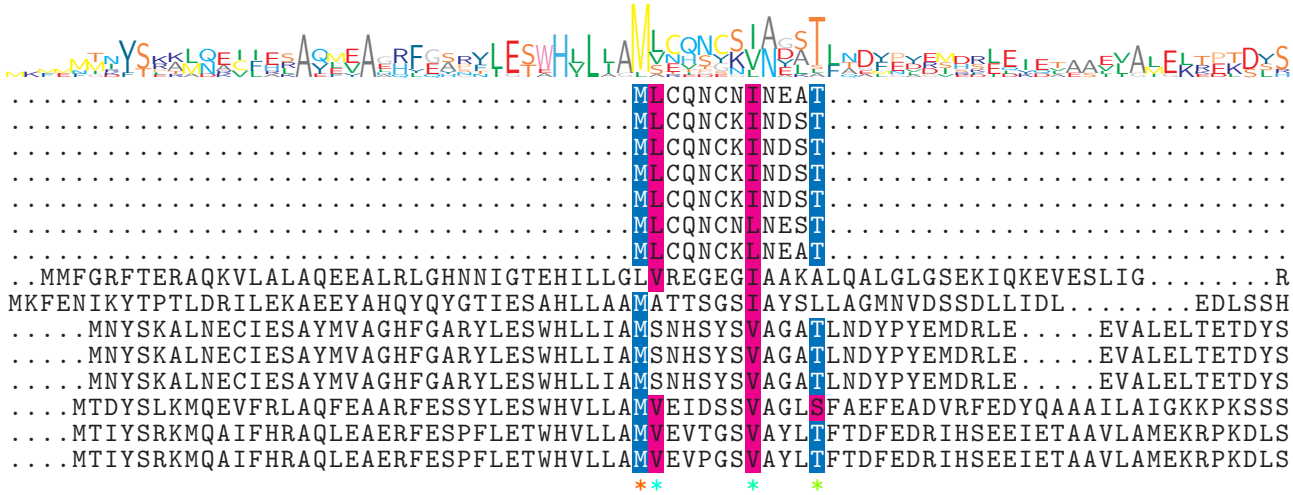


logo

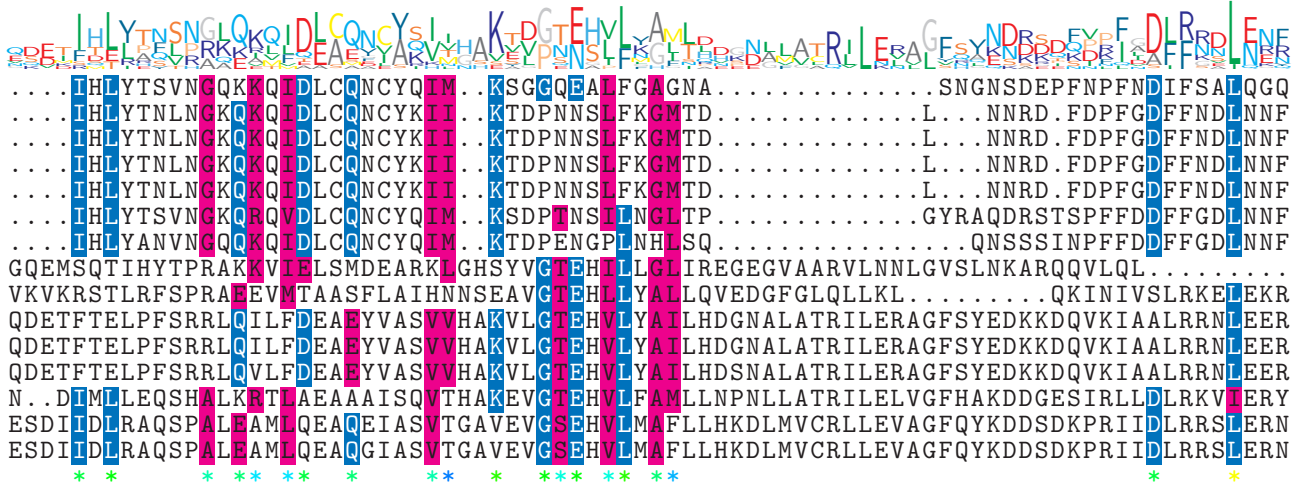
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 1038143 ACB345 RS05545 WP 031488535.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 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



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 1038143 ACB345 RS05545 WP 031488535.1
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



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


```

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 1038143 ACB345 RS05545 WP 031488535.1
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

```



```

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 1038143 ACB345 RS05545 WP 031488535.1
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	GAPPGYVGVEEAGQLTEKVRNKPYSYLILDEVEKAHPDVMMFLQVLDGRLTDGGRVTSFKDSLIIIMTSNAGTGK..V	601
NTDB id	281	KZH43	RS03550	WP	000882517.1	GAPPGYVGVEEAGQLTEKVRHN	607
NTDB id	245	SPD	RS03860	WP	000882517.1	GAPPGYVGVEEAGQLTEKVRHN	607
NTDB id	243	SPR	RS03635	WP	000882517.1	GAPPGYVGVEEAGQLTEKVRHN	607
NTDB id	241	SP	RS04015	WP	000882523.1	GAPPGYVGVEEAGQLTEKVRHN	607
NTDB id	1038143	ACB345	RS05545	WP	031488535.1	GAPPGYVGVEEAGQLTEQVRRN	614
NTDB id	378	SMU	RS02690	WP	002263569.1	GAPPGYVGVEEAGQLTEKVRN	608
NTDB id	85	BSU	00860	NP	387967.1	GSPPGYVGVEEGQLTEKVRNK	667
NTDB id	610	V4T04	RS10165	WP	012897346.1	GAPPGYVGVEEGQLTEKVRNK	676
NTDB id	290	KZH43	RS10025	WP	001109677.1	GAPPGYVGVEEGGELTEKVRNK	671
NTDB id	289	SPD	RS10700	WP	001109677.1	GAPPGYVGVEEGGELTEKVRNK	671
NTDB id	287	SP	RS11210	WP	001109712.1	GAPPGYVGVEEGGELTEKVRNK	671
NTDB id	377	SMU	RS09275	WP	002262344.1	GAPPGYVGVEEGGELTEKVRNK	674
NTDB id	297	STER	RS00545	WP	011680614.1	GAPPGYVGVEEGGELTEKVRNK	677
NTDB id	329	STU	RS10020	WP	011225298.1	GAPPGYVGVEEGGELTEKVRNK	677
consensus						!*!!!!!!!!*!*!*!!!!*!! !!!*!*!*!*!!!!!!* * !*!*?!*!! !!! !* *!!!!!! !	

logo

NTDB id	601	KW2	RS02615	WP	021036805.1	EASVGFGAAREG....RTKSVLGQLGDFFSPEFMNRFDGIIEFSALSKENLLKIVDLMIDEVNEQICRNDIHLSTQAA	676
NTDB id	281	KZH43	RS03550	WP	000882517.1	EASVGFGAAREG....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVKNRLLSSNNIRLDVTDKV	682
NTDB id	245	SPD	RS03860	WP	000882517.1	EASVGFGAAREG....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVKNRLLSSNNIRLDVTDKV	682
NTDB id	243	SPR	RS03635	WP	000882517.1	EASVGFGAAREG....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVKNRLLSSNNIRLDVTDKV	682
NTDB id	241	SP	RS04015	WP	000882523.1	EASVGFGAAREG....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVKNRLLSSNNIRLDVTDKV	682
NTDB id	1038143	ACB345	RS05545	WP	031488535.1	EASVGFGAAREG....RTSSVLGELSNFFSPEFMNRFDGIIEFKALSKENLLHIVDLMIEDVNERLGYNGIHLDVTKV	689
NTDB id	378	SMU	RS02690	WP	002263569.1	EANVGFGASREG....RTNSVLGELGNFFSPEFMNRFDGIIEFQALSKDNLLQIVSLMLDDVNQRLLAVNAIHLDVTDKV	683
NTDB id	85	BSU	00860	NP	387967.1	NKYVGFNVDQETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSTIELTDAA	747
NTDB id	610	V4T04	RS10165	WP	012897346.1	DKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQETIEQIVKIMSKSLIKRLAEQDIHVKLTPSA	756
NTDB id	290	KZH43	RS10025	WP	001109677.1	DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFSLSDDHMQEVVKIMVKPLVASLAEKGIDLKLQASA	751
NTDB id	289	SPD	RS10700	WP	001109677.1	DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFSLSDDHMQEVVKIMVKPLVASLAEKGIDLKLQASA	751
NTDB id	287	SP	RS11210	WP	001109712.1	DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVVFSLSDDHMQEVVKIMVKPLVASLTEKGIDLKLQASA	751
NTDB id	377	SMU	RS09275	WP	002262344.1	DKTVGFGAKSFSQDYKAMESRIILEELKKVYRPEFINRIDEKVVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSA	754
NTDB id	297	STER	RS00545	WP	011680614.1	DKTVGFGAQTISHNHQAMQARIMEELKKSYPPEFINRIDEKVVVFSLEEEQLHDIVKIMVKPLISALADKGISLKFQPA	757
NTDB id	329	STU	RS10020	WP	011225298.1	DKTVGFGAQTISHNHQAMQARIMEELKKSYPPEFINRIDEKVVVFSLEEEQLHDIVKIMVKPLISALADKGISLKFQPA	757
consensus						* *!!!!** ** *! * !!!!! ! * ! !* * * *! *!* * * * * * * * * *	

logo



X non conserved
X similar
X ≥ 50% conserved