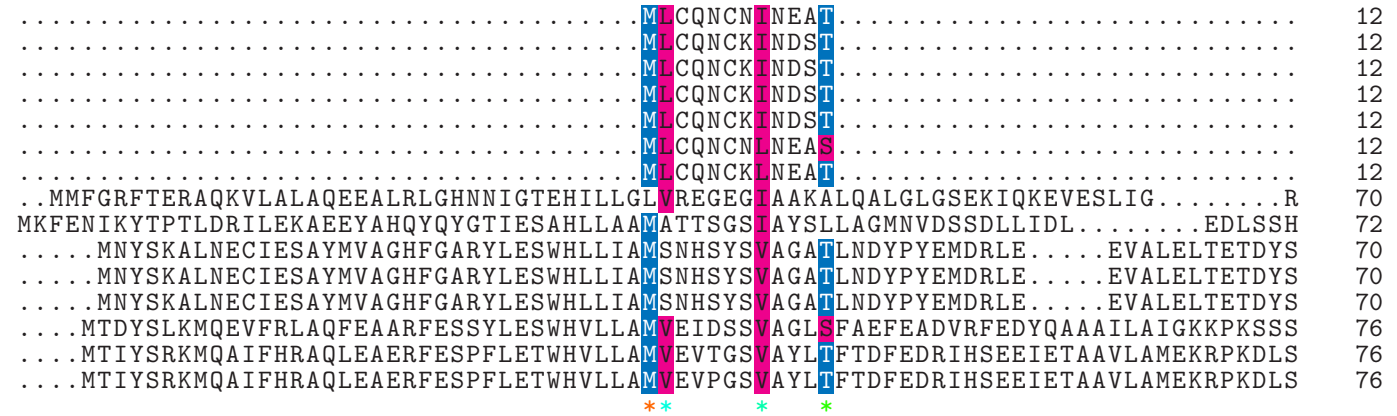


```

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 315467 D5R90 RS08450 WP 003101055.1
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

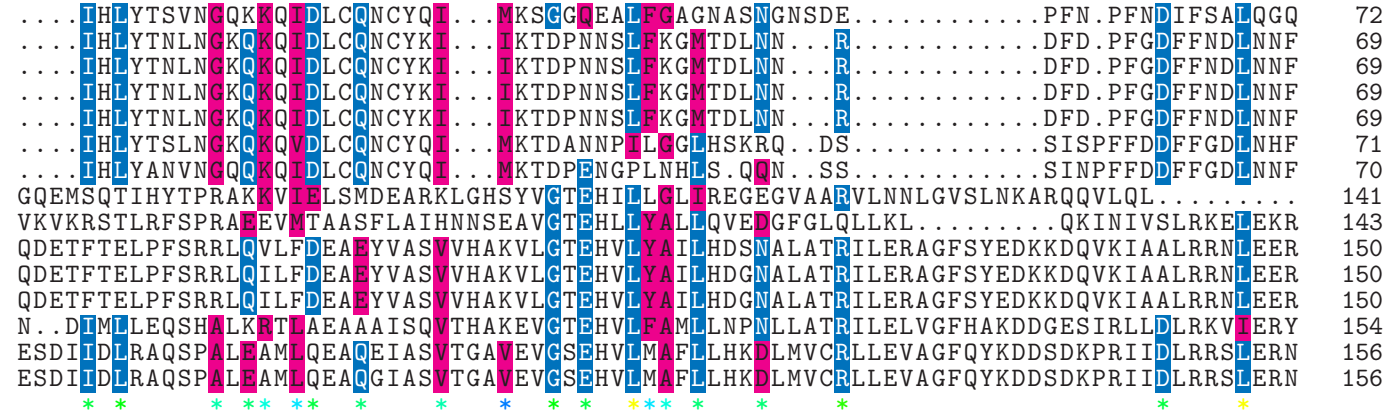
```



```

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 315467 D5R90 RS08450 WP 003101055.1
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

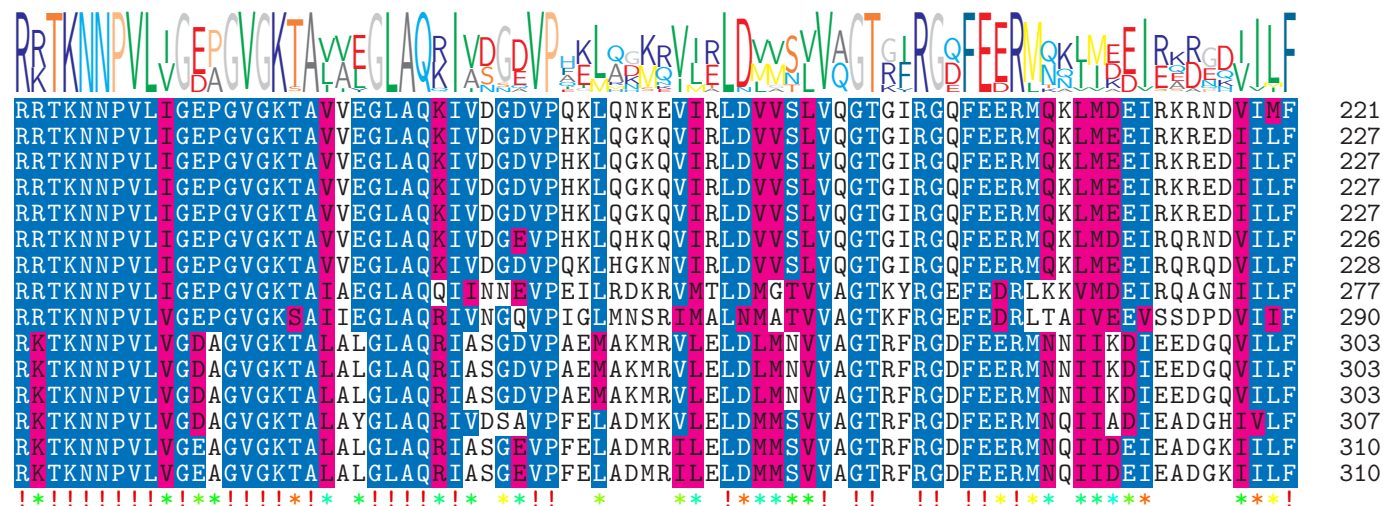
```



```

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 315467 D5R90 RS08450 WP 003101055.1
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 315467 D5R90 RS08450 WP 003101055.1
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 315467 D5R90 RS08450 WP 003101055.1
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 315467 D5R90 RS08450 WP 003101055.1
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

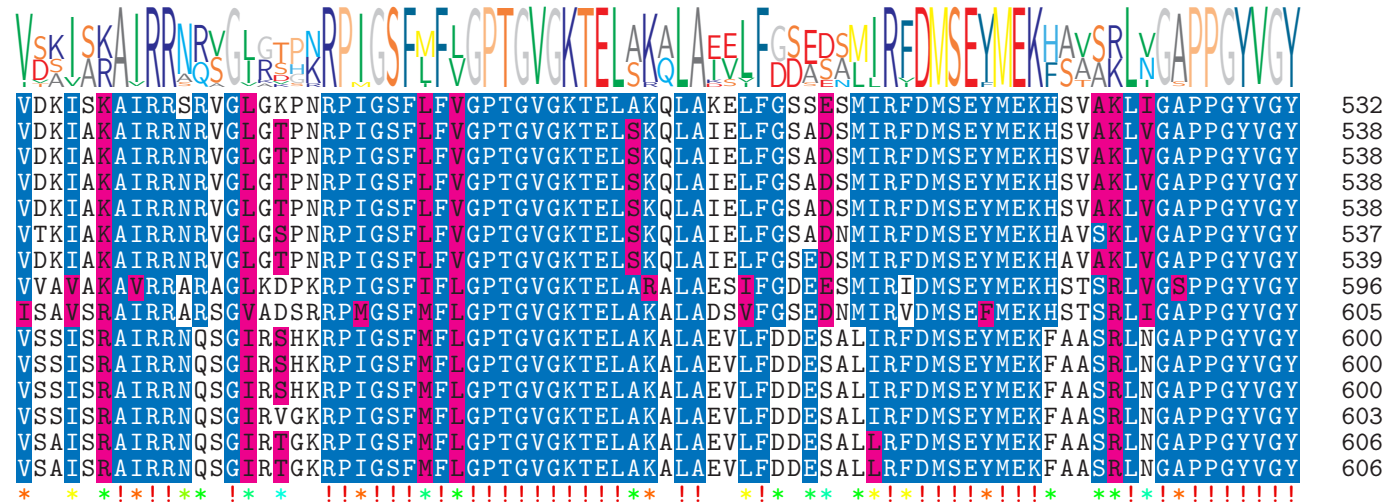
```



```

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 315467 D5R90 RS08450 WP 003101055.1
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 315467 D5R90 RS08450 WP 003101055.1
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 315467 D5R90 RS08450 WP 003101055.1
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	DPEM	GARPLRRTIQ	ENIED	STAD	FYIE	HP	EYKQ	LV	AD	LID	KIV	IS	NT	QET	AETT	DEE	VPAE	748
NTDB id 281 KZH43 RS03550 WP 000882517.1	DPK	MGARPLRRTIQ	DYIED	TITD	YYLE	NP	SEKD	LK	AV	MT	SKGN	IQ	IK	SAK	KA	EV	KSSEKEK	752
NTDB id 245 SPD RS03860 WP 000882517.1	DPK	MGARPLRRTIQ	DYIED	TITD	YYLE	NP	SEKD	LK	AV	MT	SKGN	IQ	IK	SAK	KA	EV	KSSEKEK	752
NTDB id 243 SPR RS03635 WP 000882517.1	DPK	MGARPLRRTIQ	DYIED	TITD	YYLE	NP	SEKD	LK	AV	MT	SKGN	IQ	IK	SAK	KA	EV	KSSEKEK	752
NTDB id 241 SP RS04015 WP 000882523.1	DPK	MGARPLRRTIQ	DYIED	TITD	YYLE	NP	SEKD	LK	AV	MT	SKGN	IQ	IK	SAK	KA	EV	KSSEKEK	752
NTDB id 315467 D5R90 RS08450 WP 003101055.1	DPK	MGARPLRRTIQ	EHIED	AITD	FYLE	NP	SEKD	LR	AI	MT	SNGQ	IV	IK	SNK	KN	EV	TSYETPQ	751
NTDB id 378 SMU RS02690 WP 002263569.1	DPK	MGARPLRRTIQ	EHIED	AITD	FYLE	HP	EQKE	LK	AI	MT	SNGK	IV	IK	ASN	KV	ET	VTKATSD	753
NTDB id 85 BSU 00860 NP 387967.1	DLE	YGARPLRR	AIQKH	VED	RLSE	ELL	LRGNIHKGQH	IV	LD	VED	GEFV	VKTT	AKTN					810
NTDB id 610 V4T04 RS10165 WP 012897346.1	DPE	YGARPLR	KALQ	KE	VED	LLSE	QLLSGEIKAGNH	VS	IGA	SNKK	IKIA	QIV						816
NTDB id 287 SP RS11210 WP 001109712.1	DPE	MGARPLRRT	LQTE	VED	KLA	ELL	LKGD	LVAG	STL	KIG	VKAG	QLK	FDIA					810
NTDB id 290 KZH43 RS10025 WP 001109677.1	DPE	MGARPLRRT	LQTE	VED	KLA	ELL	LKGD	LVAG	STL	KIG	VKAG	QLK	FDIA					810
NTDB id 289 SPD RS10700 WP 001109677.1	DPE	MGARPLRRT	LQTE	VED	KLA	ELL	LKGD	LVAG	STL	KIG	VKAG	QLK	FDIA					810
NTDB id 377 SMU RS09275 WP 002262344.1	DAE	MGARPLRRT	LQTE	VED	KLA	ELI	LSGKL	ASG	QTL	LKIG	IQKE	LK	FDIV					813
NTDB id 297 STER RS00545 WP 011680614.1	DIEM	GARPLRRTIQ	TQVED	KLSE	LL	GGQ	VVSG	QTL	LKIG	CS	KDKL	TFT	VV					816
NTDB id 329 STU RS10020 WP 011225298.1	DIEM	GARPLRRTIQ	TQVED	KLSE	LL	GGQ	VVSG	QTL	LKIG	CS	KDKL	TFT	VV					816
consensus	**	*	!!!!!!	***!	*!!	***	*				**	*		*	*	*		

- X

 non conserved
- X

 similar
- X

 ≥ 50% conserved