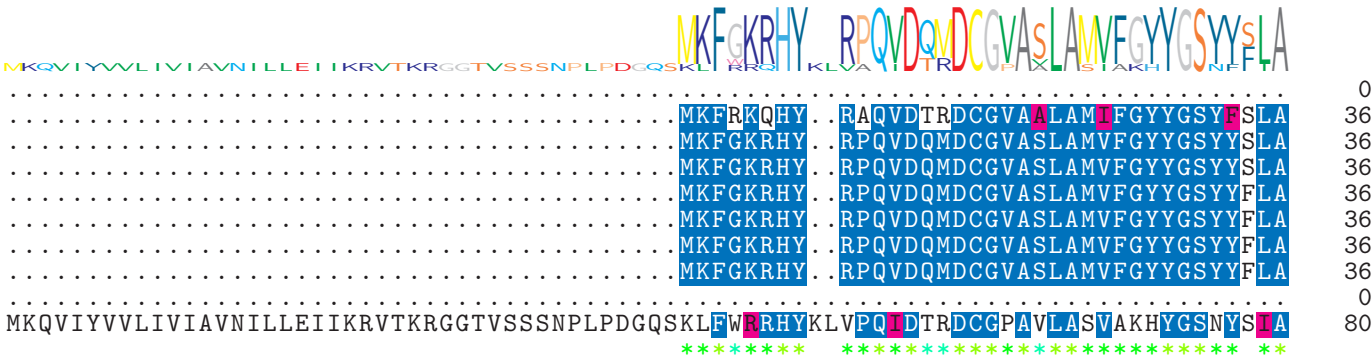


logo

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



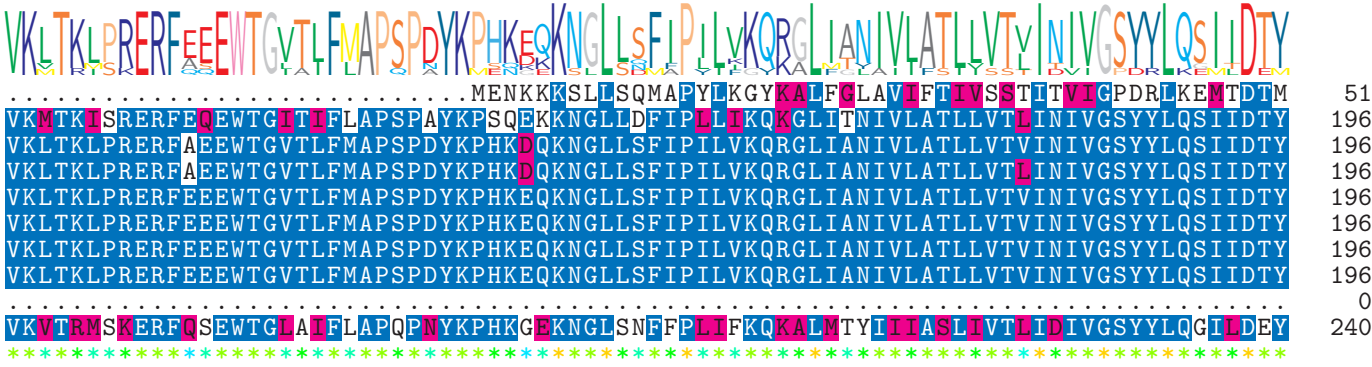
logo

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



logo

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



logo

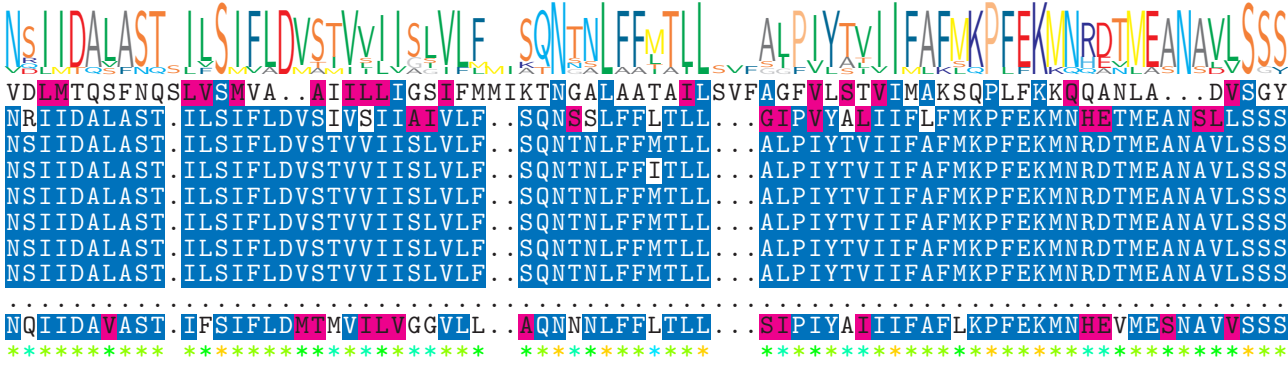
NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



131
272
272
272
272
272
272
272
272
0
316

logo

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



206
346
346
346
346
346
346
346
0
390

logo

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus



282
422
422
422
422
422
422
422
0
466

logo

```
NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus
```

[illegible]

logo

```

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus

```

[illegible]

logo

```

NTDB id 370 SMU RS04260 WP 002263294.1
NTDB id 421 SGO RS10260 WP 012131060.1
NTDB id 511 SMSK321 RS10730 WP 000668322.1
NTDB id 483 SM12261 RS00275 WP 000668315.1
NTDB id 247 KZH43 RS00220 WP 000668290.1
NTDB id 206 SPD RS00235 WP 000668290.1
NTDB id 171 SPR RS00230 WP 000668290.1
NTDB id 131 SP RS00255 WP 000668284.1
NTDB id 58144 SPN994038 RS13300 WP 307774349.1
NTDB id 358 SMU RS01425 WP 002263523.1
consensus

```

KEGTTQEDILRAVELAEIREDIERMPLNYQTELTSDGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIYD
KHIT.DEQVIAAAKAVGVHFKTLPKGYDTVL.DDSVT.SVGQKQLLTARALLKDAPLILDEATSSVDTRTEELTQR 520
REGTTQEDILRAVELAEIRSDIERMPLNYQT**ELSD**GAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRID 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAP**ILT**LDEATSSLDILTEKRIVD 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIVD 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIVD 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIVD 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIVD 662
KEGTTQEDILRAVELAEIREDIERMPLNYQT**ELTS**DGAGISGGQRQRIALARALLTDAPVILDEATSSLDILTEKRIVD 662
NHMI**S**QEDIL**KACE**VAEIR**Q**DIERMP**M**GYQT**QL**.SDGAG**L**SGGQ**K**QRIALARALLT**KSP**VILDEATS**GLDVLTEK****KVID** 106
KEGTSQEDITRAC**E**IAEIRS**SDIE**QM**P**QG**Y**QT**EL**.SDGAGISGGQ**K**QRIALARALLT**Q**APVILDEATSSLDILTEK**KITS** 705

logo

NTDB id 370 SMU RS04260 WP 002263294.1	AMDHLM	EGRT	SFV	IAHRL	ST	IRNAD	LL	IVMRD	GN	IE	CG	SHDQ	LM	ENG	FYAD	LY	NS	QF	T	E	E	V	A	584
NTDB id 421 SGO RS10260 WP 012131060.1	NLM	VL																						717
NTDB id 511 SMSK321 RS10730 WP 000668322.1	NLM	MAL																						717
NTDB id 483 SM12261 RS00275 WP 000668315.1	NLM	MAL																						717
NTDB id 247 KZH43 RS00220 WP 000668290.1	NL	I	AL																					717
NTDB id 206 SPD RS00235 WP 000668290.1	NL	I	AL																					717
NTDB id 171 SPR RS00230 WP 000668290.1	NL	I	AL																					717
NTDB id 131 SP RS00255 WP 000668284.1	NL	I	AL																					717
NTDB id 58144 SPN994038 RS13300 WP 307774349.1	NLM	S	L																					162
NTDB id 358 SMU RS01425 WP 002263523.1	NLL	QM																						760
consensus	***	***																						

- non conserved
- similar
- ≥ 50% conserved