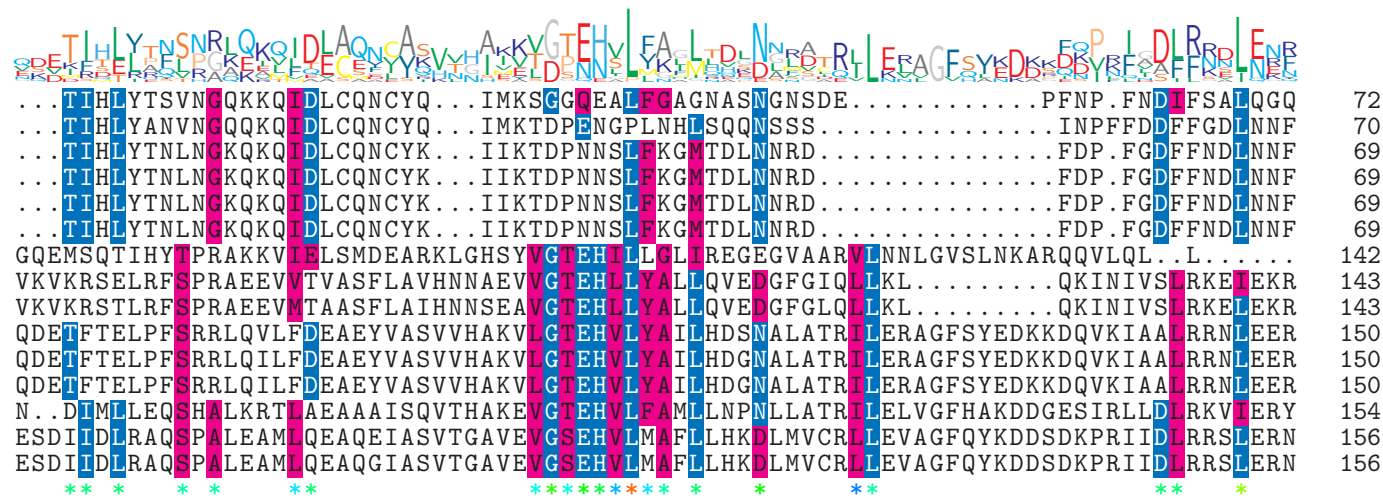
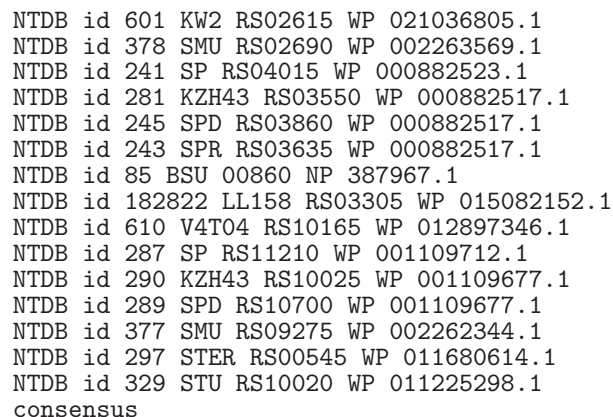


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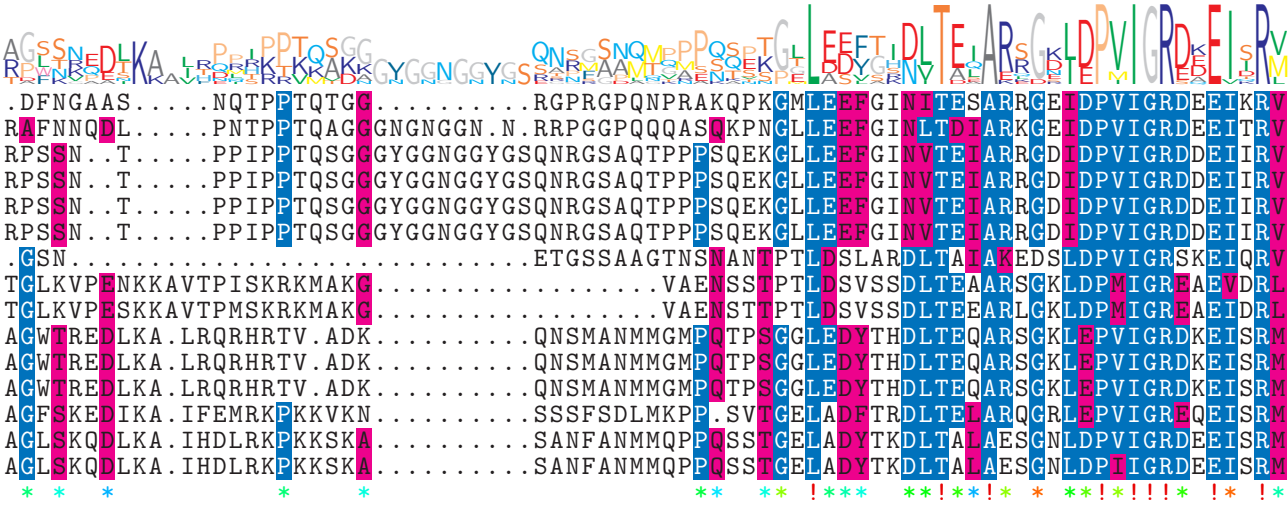
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 182822 LL158 RS03305 WP 015082152.1
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

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logo

|           |        |       |         |    |             |
|-----------|--------|-------|---------|----|-------------|
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| 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   | 85     | BSU   | 00860   | NP | 387967.1    |
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| NTDB id   | 610    | V4T04 | RS10165 | WP | 012897346.1 |
| NTDB id   | 287    | SP    | RS11210 | WP | 001109712.1 |
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| NTDB id   | 297    | STER  | RS00545 | WP | 011680614.1 |
| NTDB id   | 329    | STU   | RS10020 | WP | 011225298.1 |
| consensus |        |       |         |    |             |



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logo

|           |        |       |         |    |             |
|-----------|--------|-------|---------|----|-------------|
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| NTDB id   | 378    | SMU   | RS02690 | WP | 002263569.1 |
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| consensus |        |       |         |    |             |



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|-----------|------|------|-----|-----|----|----|-----|----|-----|----|----|-----|-----|----|----|----|----|-----|------|----|----|----|------|-----|-----|----|----|----|-------|-----|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---|---|---|-----|---|---|-----|
| VGFGA     | KR   | IG   | MT  | NRV | EE | KK | YR  | PE | NR  | DE | IV | FHS | SKD | NL | QV | K  | VP | NKR | AENG | R  | KV | DS | AKKK |     |     |    |    |    |       |     |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| ADPTE     | LDY  | EA   | RES | MG  | LG | NA | FS  | M  | L   | F  | GK | VE  | KA  | ES | YR | VE | EL | SD  | V    | SS | OD | BY | DQAA | LEH |     |    |    |    |       |     |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGAAREG | .... | RTKS | VL  | GQ  | LD | FF | SPE | FM | NR  | FD | GI | EF  | SA  | LS | KN | LL | KI | VD  | LM   | DE | VE | NE | QI   | GR  | ND  | TH | SV | TQ | AA    | KEK | 679 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGASREG | .... | RTNS | VL  | GE  | LD | FF | SPE | FM | NR  | FD | GI | EF  | QA  | LS | KN | LL | QI | VS  | LM   | DD | VN | QR | LA   | VN  | ATH | LD | VT | DK | VKEK  | 686 |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGAAREG | .... | RTNS | VL  | GE  | LD | FF | SPE | FM | NR  | FD | GI | EF  | KA  | LS | KN | LL | QI | VE  | LM   | AD | VN | KR | LS   | SN  | NI  | RL | DV | TD | KVKEK | 685 |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGAAREG | .... | RTNS | VL  | GE  | LD | FF | SPE | FM | NR  | FD | GI | EF  | KA  | LS | KN | LL | QI | VE  | LM   | AD | VN | KR | LS   | SN  | NI  | RL | DV | TD | KVKEK | 685 |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGAAREG | .... | RTNS | VL  | GE  | LD | FF | SPE | FM | NR  | FD | GI | EF  | KA  | LS | KN | LL | QI | VE  | LM   | AD | VN | KR | LS   | SN  | NI  | RL | DV | TD | KVKEK | 685 |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VGFGAAREG | .... | RTNS | VL  | GE  | LD | FF | SPE | FM | NR  | FD | GI | EF  | KA  | LS | KN | LL | QI | VE  | LM   | AD | VN | KR | LS   | SN  | NI  | RL | DV | TD | KVKEK | 685 |     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |
| VG        | INV  | QDET | QNH | KD  | M  | KD | KV  | M  | GEL | K  | R  | F   | R   | P  | E  | F  | I  | N   | R    | I  | D  | E  | I    | V   | F   | H  | S  | L  | E     | K   | K   | H | L | T | E | I | V | S | L | M | S | D | Q | L | T | K | R | L | K | E | Q | D | L | S | T | E | L | T | D | A | A | K | A | K | 750 |   |   |   |     |   |   |     |
| VGFGA     | KN   | IT   | AD  | YS  | A  | M  | Q   | S  | R   | I  | L  | E   | E   | L  | K  | R  | H  | Y   | R    | P  | E  | F  | I    | N   | R   | I  | D  | E  | I     | V   | F   | H | S | L | E | S | Q | E | T | E | I | Q | I | V | K | I | M | S | K | S | L | I | K | R | L | A | E | Q | D | I | H | V | K | L | T   | P | S | A | I   | K | L | 759 |
| VGFGA     | KN   | IT   | AD  | YS  | A  | M  | K   | S  | R   | I  | L  | E   | E   | L  | K  | R  | H  | Y   | R    | P  | E  | F  | I    | N   | R   | I  | D  | E  | I     | V   | F   | H | S | L | E | S | Q | E | T | E | I | Q | I | V | K | I | M | S | K | S | L | I | K | R | L | A | E | Q | D | I | H | V | K | L | T   | P | S | A | V   | K | L | 759 |
| VGFGA     | KD   | IR   | FD  | QEN | ME | K  | R   | M  | F   | E  | E  | L   | K   | K  | A  | Y  | R  | P   | E    | F  | I  | N  | R    | I   | D   | E  | K  | V  | F     | H   | S   | L | S | S | D | H | M | Q | E | V | V | K | I | M | V | K | P | L | V | A | S | L | A | E | K | G | I | D | L | K | L | Q | A | S | A   | L | K | L | 754 |   |   |     |
| VGFGA     | KD   | IR   | FD  | QEN | ME | K  | R   | M  | F   | E  | E  | L   | K   | K  | A  | Y  | R  | P   | E    | F  | I  | N  | R    | I   | D   | E  | K  | V  | F     | H   | S   | L | S | S | D | H | M | Q | E | V | V | K | I | M | V | K | P | L | V | A | S | L | A | E | K | G | I | D | L | K | L | Q | A | S | A   | L | K | L | 754 |   |   |     |
| VGFGA     | KS   | FS   | Q   | D   | Y  | K  | A   | M  | E   | S  | R  | I   | L   | E  | E  | L  | K  | K   | V    | R  | P  | E  | F    | I   | N   | R  | I  | D  | E     | K   | V   | F | H | N | L | G | Q | E | D | I | R | H | I | V | K | I | M | V | A | P | L | I | A | H | L | A | D | Q | G | I | T | L | K | F | Q   | P | S | A | L   | K | H | 757 |
| VGFGA     | Q    | T    | I   | S   | H  | N  | H   | Q  | A   | M  | Q  | A   | R   | I  | M  | E  | E  | L   | K    | K  | S  | Y  | R    | P   | E   | F  | I  | N  | R     | I   | D   | E | K | V | F | H | S | L | E | E | E | Q | L | H | D | I | V | K | I | M | V | K | P | L |   |   |   |   |   |   |   |   |   |   |     |   |   |   |     |   |   |     |

logo



X non conserved  
X similar  
X ≥ 50% conserved