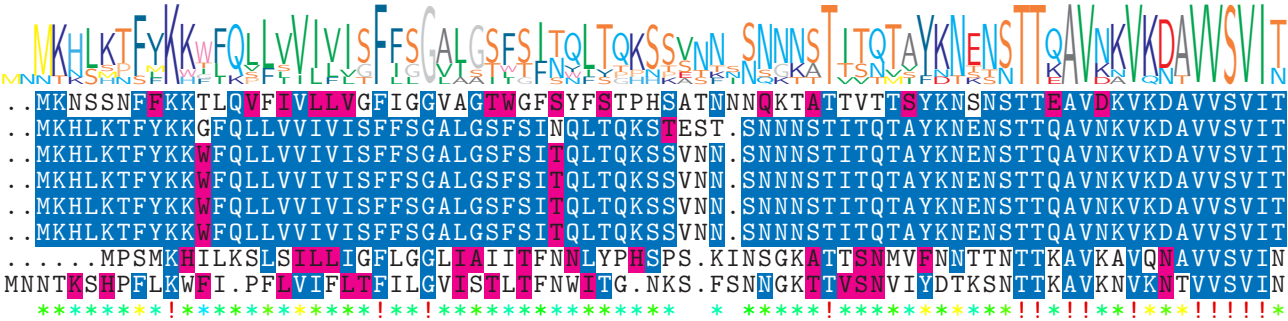


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NTDB id 539 SM12261 RS09395 WP 000681587.1  
NTDB id 256 KZH43 RS10270 WP 000681597.1  
NTDB id 215 SPD RS10945 WP 000681597.1  
NTDB id 181 SPR RS10425 WP 000681597.1  
NTDB id 145 SP RS11450 WP 000681597.1  
NTDB id 288052 DB248 RS10040 WP 002994926.1  
NTDB id 381 SMU RS09890 WP 002262650.1  
consensus



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logo

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NTDB id 256 KZH43 RS10270 WP 000681597.1  
NTDB id 215 SPD RS10945 WP 000681597.1  
NTDB id 181 SPR RS10425 WP 000681597.1  
NTDB id 145 SP RS11450 WP 000681597.1  
NTDB id 288052 DB248 RS10040 WP 002994926.1  
NTDB id 381 SMU RS09890 WP 002262650.1  
consensus



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logo

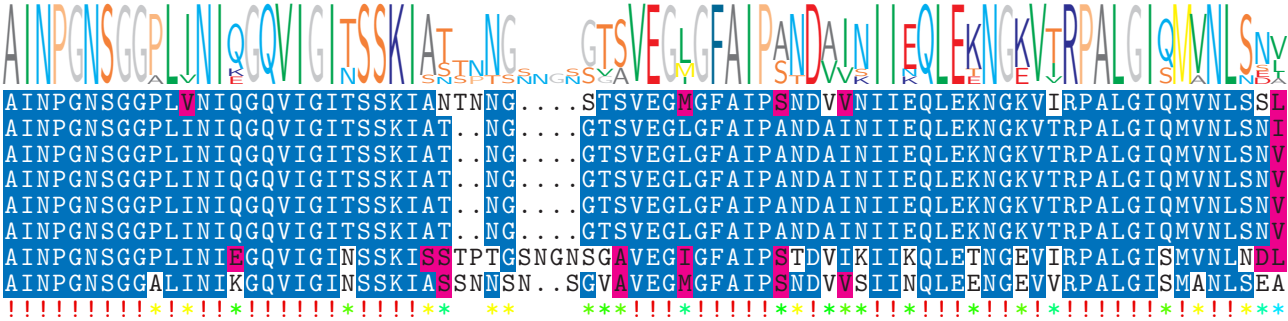
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NTDB id 381 SMU RS09890 WP 002262650.1  
consensus



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logo

NTDB id 425 SGO RS10525 WP 012131081.1  
NTDB id 539 SM12261 RS09395 WP 000681587.1  
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NTDB id 181 SPR RS10425 WP 000681597.1  
NTDB id 145 SP RS11450 WP 000681597.1  
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NTDB id 381 SMU RS09890 WP 002262650.1  
consensus



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301  
301  
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logo

|                                             |              |         |            |                |              |          |              |          |        |            |        |       |       |        |       |       |       |     |
|---------------------------------------------|--------------|---------|------------|----------------|--------------|----------|--------------|----------|--------|------------|--------|-------|-------|--------|-------|-------|-------|-----|
| NTDB id 425 SGO RS10525 WP 012131081.1      | SSSSSDRLKLPD | NVKN    | GVVVR      | STQT           | GM           | PADG     | KLEKYDVITK   | IDDTEI   | SSASDI | QSALYKHSIN | EEIKV  | TYYR  | DGKEQ | TTT    | 384   |       |       |     |
| NTDB id 539 SM12261 RS09395 WP 000681587.1  | NTSDIRRLNIP  | SNVTSGV | VRSVQSNMP  | PANGHLEKYDVITK | VDDKEIASSTDL | QSALYNH  | SIGDTIKITYYR | NGKEETTS |        |            |        |       |       |        | 381   |       |       |     |
| NTDB id 256 KZH43 RS10270 WP 000681597.1    | STSDIRRLNIP  | SNVTSGV | IVRSVQSNMP | PANGHLEKYDVITK | VDDKEIASSTDL | QSALYNH  | SIGDTIKITYYR | NGKEETTS |        |            |        |       |       |        | 381   |       |       |     |
| NTDB id 215 SPD RS10945 WP 000681597.1      | STSDIRRLNIP  | SNVTSGV | IVRSVQSNMP | PANGHLEKYDVITK | VDDKEIASSTDL | QSALYNH  | SIGDTIKITYYR | NGKEETTS |        |            |        |       |       |        | 381   |       |       |     |
| NTDB id 181 SPR RS10425 WP 000681597.1      | STSDIRRLNIP  | SNVTSGV | IVRSVQSNMP | PANGHLEKYDVITK | VDDKEIASSTDL | QSALYNH  | SIGDTIKITYYR | NGKEETTS |        |            |        |       |       |        | 381   |       |       |     |
| NTDB id 145 SP RS11450 WP 000681597.1       | STSDIRRLNIP  | SNVTSGV | IVRSVQSNMP | PANGHLEKYDVITK | VDDKEIASSTDL | QSALYNH  | SIGDTIKITYYR | NGKEETTS |        |            |        |       |       |        | 381   |       |       |     |
| NTDB id 288052 DB248 RS10040 WP 002994926.1 | STNA         | LSQ     | INIP       | TSVTGG         | IVVAEV       | KEGMPASG | KLAQYDVITE   | IDGKT    | VNSIS  | SDLQSS     | LYGHD  | IND   | TIK   | VTFYRG | TTKKK | AD    | 393   |     |
| NTDB id 381 SMU RS09890 WP 002262650.1      | STSGRDT      | LKIP    | SDVTSG     | IVVLST         | QSGMPADG     | KLK      | KYDVITE      | IDGKK    | VASIS  | SDLQS      | ILYKHK | KGD   | KIKL  | TFYRE  | KDK   | Q     | TVE   | 390 |
| consensus                                   | *****        | *****   | *****      | *****          | *****        | *****    | *****        | *****    | *****  | *****      | *****  | ***** | ***** | *****  | ***** | ***** | ***** |     |

logo

|                                             |       |          |      |      |     |
|---------------------------------------------|-------|----------|------|------|-----|
| NTDB id 425 SGO RS10525 WP 012131081.1      | IKLTK | ST       | DDL  | SSE. | 397 |
| NTDB id 539 SM12261 RS09395 WP 000681587.1  | IKLD  | KSSGDLES | ..   |      | 393 |
| NTDB id 256 KZH43 RS10270 WP 000681597.1    | IKLN  | KSSGDLES | ..   |      | 393 |
| NTDB id 215 SPD RS10945 WP 000681597.1      | IKLN  | KSSGDLES | ..   |      | 393 |
| NTDB id 181 SPR RS10425 WP 000681597.1      | IKLN  | KSSGDLES | ..   |      | 393 |
| NTDB id 145 SP RS11450 WP 000681597.1       | IKLN  | KSSGDLES | ..   |      | 393 |
| NTDB id 288052 DB248 RS10040 WP 002994926.1 | IKLTK | TTQDL    | TKTQ |      | 407 |
| NTDB id 381 SMU RS09890 WP 002262650.1      | IQLTK | TSQDL    | NH.. |      | 402 |
| consensus                                   | !*!   | !***!    | !*   |      |     |

- ⓧ

 non conserved
- ✖

 similar
- ⓧ

 ≥ 50% conserved