

logo

|                                               |                                                                                                                                                              |    |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| NTDB id 1006465 ABKP85 RS09835 WP 406846210.1 | MLQWIKNFSIPLIYLSFLLWLYYAIFSA SYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFVFQNWQSSQASQN                                                                             | 25 |
| NTDB id 596 KW2 RS08720 WP 021037686.1        | ..MRFLLIKFP <del>PLIFLTYLVLLYFCIF</del> TYNLP <del>LLI</del> ... <del>LFIC</del> SI <del>LLALFRKYYL</del> <del>MIPILIVFAVFFLLINSL</del> SIRDNE <del>EN</del> | 74 |
| NTDB id 494 SM12261 RS04305 WP 000942409.1    | MLQWIKNFSIPLIYLSFLLWLYYAIFSSSYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFLFQNWQSSQASQN                                                                              | 80 |
| NTDB id 522 SMSK321 RS04965 WP 000942453.1    | MLQW <del>T</del> KNFPIPLIYLSFLLWLYYAIFSVSYLALLGFVFLVCLFIQFLWKSAGKVL <del>V</del> ICGIFGFWFVFQNWQSSQASQN                                                     | 80 |
| NTDB id 189 SPR RS04300 WP 000942407.1        | MLQWIKNFSIPLIYLSFLLWLYYAIFSA SYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFVFQNWQSSQASQN                                                                             | 80 |
| NTDB id 223 SPD RS04540 WP 000942407.1        | MLQWIKNFSIPLIYLSFLLWLYYAIFSA SYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFVFQNWQSSQASQN                                                                             | 80 |
| NTDB id 154 SP RS04735 WP 000942394.1         | MLQWIKNFSIPLIYLSFLLWLYYAIFSA SYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFVFQNWQSSQASQN                                                                             | 80 |
| NTDB id 264 KZH43 RS04200 WP 000942407.1      | MLQWIKNFSIPLIYLSFLLWLYYAIFSA SYLALLGFVFLVCLFIQFPWKSAGKVLIIICGIFGFWFVFQNWQSSQASQN                                                                             | 80 |
| consensus                                     | *****!*****!                                                                                                                                                 |    |

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|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| NTDB id 1006465 ABKP85 RS09835 WP 406846210.1 | LADSV <del>ERV</del> RI <del>L</del> PDTYK <del>V</del> NGD <del>S</del> LSFRGK <del>A</del> DGRIFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEPE <del>G</del> QRNF <del>G</del> GGF <del>N</del> YQAY                          | 105 |
| NTDB id 596 KW2 RS08720 WP 021037686.1        | QPKN <del>L</del> SKI <del>E</del> LIPDTIQVNGDLLSFQGRMNGQKYQVYDTL <del>K</del> SLKEKEFYQNLSQNCQLSFTGNLEIPEIQ <del>R</del> NFN <del>G</del> FDDQKY                                                                                                         | 154 |
| NTDB id 494 SM12261 RS04305 WP 000942409.1    | LADSV <del>ERV</del> RI <del>L</del> PDTYK <del>V</del> NGD <del>S</del> LSFRGK <del>S</del> DGRIFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEP <del>D</del> GQRN <del>F</del> GGF <del>D</del> YQAY                           | 160 |
| NTDB id 522 SMSK321 RS04965 WP 000942453.1    | <del>L</del> S <del>D</del> SVE <del>I</del> VRILPDTIKVNGD <del>S</del> LSFRGK <del>A</del> DGRIFQV <del>Y</del> YKLQSEEEKE <del>T</del> FQILTAL <del>H</del> DLELEGK <del>L</del> SEPE <del>G</del> K <del>R</del> NF <del>G</del> GGF <del>D</del> YQAY | 160 |
| NTDB id 189 SPR RS04300 WP 000942407.1        | LADSV <del>ERV</del> RI <del>L</del> PDTYK <del>V</del> NGD <del>S</del> LSFRGK <del>A</del> DGRIFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEPE <del>G</del> QRNF <del>G</del> GGF <del>N</del> YQAY                          | 160 |
| NTDB id 223 SPD RS04540 WP 000942407.1        | LADSV <del>ERV</del> RI <del>L</del> PDTYK <del>V</del> NGD <del>S</del> LSFRGK <del>A</del> DGRIFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEPE <del>G</del> QRNF <del>G</del> GGF <del>N</del> YQAY                          | 160 |
| NTDB id 154 SP RS04735 WP 000942394.1         | LADSV <del>ERV</del> RI <del>L</del> PDTIKVNGD <del>S</del> LSFRGK <del>S</del> N <del>G</del> RAFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEPE <del>G</del> QRNF <del>G</del> GGF <del>N</del> YQAY                          | 160 |
| NTDB id 264 KZH43 RS04200 WP 000942407.1      | LADSV <del>ERV</del> RI <del>L</del> PDTYK <del>V</del> NGD <del>S</del> LSFRGK <del>A</del> DGRIFQV <del>Y</del> YKLQSEEEKEAFQAL <del>T</del> DLHEIGLEGK <del>L</del> SEPE <del>G</del> QRNF <del>G</del> GGF <del>N</del> YQAY                          | 160 |
| consensus                                     | *****!*****!                                                                                                                                                                                                                                              |     |

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|                                               |                                                                                                                                                                                                                                                                       |     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| NTDB id 1006465 ABKP85 RS09835 WP 406846210.1 | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQK <del>I</del> GSWDIGEN <del>L</del> SS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPM <del>R</del> NYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL | 181 |
| NTDB id 596 KW2 RS08720 WP 021037686.1        | LASQNIYRQITITQQITNVEIKKNF...DLHTLRRKAIVWTQNHFPKPM <del>S</del> DYMTG <del>L</del> LLG <del>F</del> FLSKDFN <del>Q</del> MSDIYSS <del>L</del> GI <del>I</del> HL                                                                                                       | 230 |
| NTDB id 494 SM12261 RS04305 WP 000942409.1    | LKTQGIYQTLTIKRIQSLQKVSSWDIGENLSS <del>L</del> RRK <del>T</del> VVWIKTHFPDPMRNYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> GLYSS <del>L</del> GI <del>I</del> HL                                                                              | 240 |
| NTDB id 522 SMSK321 RS04965 WP 000942453.1    | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQKVGSWDIGENLSS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPMRNYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL                                        | 240 |
| NTDB id 189 SPR RS04300 WP 000942407.1        | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQKIGSWDIGENLSS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPMRNYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL                                        | 240 |
| NTDB id 223 SPD RS04540 WP 000942407.1        | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQKIGSWDIGENLSS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPMRNYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL                                        | 240 |
| NTDB id 154 SP RS04735 WP 000942394.1         | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQKIGSWDIGENLSS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPM <del>G</del> NYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL                           | 240 |
| NTDB id 264 KZH43 RS04200 WP 000942407.1      | LKTQGIYQTLN <del>I</del> K <del>K</del> IQSLQKIGSWDIGENLSS <del>L</del> RRK <del>A</del> V <del>V</del> IKTHFPDPMRNYMTG <del>L</del> LLG <del>H</del> LD <del>T</del> DFEEM <del>N</del> ELYSS <del>L</del> GI <del>I</del> HL                                        | 240 |
| consensus                                     | *****!*****!                                                                                                                                                                                                                                                          |     |

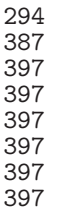
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|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-----|
| NTDB id 1006465 ABKP85 RS09835 WP 406846210.1 | FALSGMQVGF <del>F</del> MDWFRKILLRMGLTREIVNLVQIPFSIFYAFMTGLSVSVLRALFQKNIR...LTSLDNIGVTTLVLMIT                           | 258 |
| NTDB id 596 KW2 RS08720 WP 021037686.1        | FALSGMQVGFIDWFRKILLRMGLTREIVNLVQIPFSIFYAFMTGLSVSVLRALFQKNIR...LTSLDNIGVTTLVLMIT                                         | 307 |
| NTDB id 494 SM12261 RS04305 WP 000942409.1    | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| NTDB id 522 SMSK321 RS04965 WP 000942453.1    | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| NTDB id 189 SPR RS04300 WP 000942407.1        | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| NTDB id 223 SPD RS04540 WP 000942407.1        | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| NTDB id 154 SP RS04735 WP 000942394.1         | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| NTDB id 264 KZH43 RS04200 WP 000942407.1      | FALSGMQVGFFMDGFKKLLRLGLTQEKLKWLTYPFSLIYAGLTGFSASVIRSL <del>L</del> LQKLLAQHG <del>V</del> KGLDNFALT <del>V</del> LVLFIV | 320 |
| consensus                                     | *****!*****!                                                                                                            |     |

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NTDB id 1006465 ABKP85 RS09835 WP 406846210.1
NTDB id 596 KW2 RS08720 WP 021037686.1
NTDB id 494 SM12261 RS04305 WP 000942409.1
NTDB id 522 SMSK321 RS04965 WP 000942453.1
NTDB id 189 SPR RS04300 WP 000942407.1
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NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus

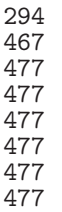
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NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus

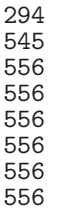
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NTDB id 189 SPR RS04300 WP 000942407.1
NTDB id 223 SPD RS04540 WP 000942407.1
NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus

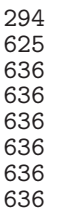
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NTDB id 1006465 ABKP85 RS09835 WP 406846210.1
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NTDB id 223 SPD RS04540 WP 000942407.1
NTDB id 154 SP RS04735 WP 000942394.1
NTDB id 264 KZH43 RS04200 WP 000942407.1
consensus

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NTDB id 1006465 ABKP85 RS09835 WP 406846210.1  
NTDB id 596 KW2 RS08720 WP 021037686.1  
NTDB id 494 SM12261 RS04305 WP 000942409.1  
NTDB id 522 SMSK321 RS04965 WP 000942453.1  
NTDB id 189 SPR RS04300 WP 000942407.1  
NTDB id 223 SPD RS04540 WP 000942407.1  
NTDB id 154 SP RS04735 WP 000942394.1  
NTDB id 264 KZH43 RS04200 WP 000942407.1  
consensus



294  
705  
716  
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716

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NTDB id 1006465 ABKP85 RS09835 WP 406846210.1  
NTDB id 596 KW2 RS08720 WP 021037686.1  
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NTDB id 154 SP RS04735 WP 000942394.1  
NTDB id 264 KZH43 RS04200 WP 000942407.1  
consensus



294  
736  
746  
746  
746  
746  
746  
746

X non conserved  
X similar  
X ≥ 50% conserved