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| NTDB id 1028 TT RS08215 WP 011173991.1 | MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK | 80 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 | ..... | 0 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 | ..... | 0 |
| NTDB id 1468 ASU2 RS05090 WP 014991734.1 | ..... | 0 |
| NTDB id 96602 FORC31 RS19520 WP 001025156.1 | ..... | 0 |
| NTDB id 1436 BW25113 RS00530 WP 001025145.1 | ..... | 0 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | ..... | 0 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1 | ..... | 0 |
| NTDB id 1293 VP RS12240 WP 005479695.1 | ..... | 0 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1 | ..... | 0 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1 | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 | | 0 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1 | | 0 |
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| NTDB id 1028 TT RS08215 WP 011173991.1 | ALLPAEKAKELKAIPFALDEEAGVVRVAFNLPLDTL SLEEEV DLTGLVVEPYQT TTKSAFLYALAKHYPELGLPVPPPPSG | 160 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 | ..... | 0 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 | ..... | 0 |
| NTDB id 1468 ASU2 RS05090 WP 014991734.1 | ..... | 0 |
| NTDB id 96602 FORC31 RS19520 WP 001025156.1 | ..... | 0 |
| NTDB id 1436 BW25113 RS00530 WP 001025145.1 | ..... | 0 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | ..... | 0 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1 | ..... | 0 |
| NTDB id 1293 VP RS12240 WP 005479695.1 | ..... | 0 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1 | ..... | 0 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1 | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 | | 0 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1 | | 0 |
| consensus | | |

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| NTDB id 1028 TT RS08215 WP 011173991.1 | EGQKDLKLGELL LQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLFLESTEGIVPDPSAALLL | 240 |
| NTDB id 1366 NTHI RS01950 WP 011271972.1 | ..... | 0 |
| NTDB id 1355 HI 0298 AAC21962.1 | ..... | 0 |
| NTDB id 1384 A4U84 RS08525 WP 010787006.1 | ..... | 0 |
| NTDB id 1468 ASU2 RS05090 WP 014991734.1 | ..... | 0 |
| NTDB id 96602 FORC31 RS19520 WP 001025156.1 | ..... | 0 |
| NTDB id 1436 BW25113 RS00530 WP 001025145.1 | ..... | 0 |
| NTDB id 1168 A1552VC RS11070 WP 000957200.1 | ..... | 0 |
| NTDB id 1401 DSB67 RS12665 WP 010643259.1 | ..... | 0 |
| NTDB id 1293 VP RS12240 WP 005479695.1 | ..... | 0 |
| NTDB id 1110 NGFG RS09235 WP 003689817.1 | ..... | 0 |
| NTDB id 1251 GC085 RS07725 WP 011946523.1 | ..... | 0 |
| NTDB id 1018 ACIAD RS01685 WP 004920473.1 | | 0 |
| NTDB id 1058 ABD1 RS01615 WP 001274986.1 | | 0 |
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| NTDB id 1028 | TT RS08215 WP 011173991.1 | LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSREAL | 320 |
| NTDB id 1366 | NTHI RS01950 WP 011271972.1 | ..... | 0 |
| NTDB id 1355 | HI 0298 AAC21962.1 | ..... | 0 |
| NTDB id 1384 | A4U84 RS08525 WP 010787006.1 | ..... | 0 |
| NTDB id 1468 | ASU2 RS05090 WP 014991734.1 | ..... | 0 |
| NTDB id 96602 | FORC31 RS19520 WP 001025156.1 | ..... | 0 |
| NTDB id 1436 | BW25113 RS00530 WP 001025145.1 | ..... | 0 |
| NTDB id 1168 | A1552VC RS11070 WP 000957200.1 | ..... | 0 |
| NTDB id 1401 | DSB67 RS12665 WP 010643259.1 | ..... | 0 |
| NTDB id 1293 | VP RS12240 WP 005479695.1 | ..... | 0 |
| NTDB id 1110 | NGFG RS09235 WP 003689817.1 | ..... | 0 |
| NTDB id 1251 | GCO85 RS07725 WP 011946523.1 | ..... | 0 |
| NTDB id 1018 | ACIAD RS01685 WP 004920473.1 | | 0 |
| NTDB id 1058 | ABD1 RS01615 WP 001274986.1 | | 0 |
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| NTDB id 1028 | TT RS08215 WP 011173991.1 | KEALEVQKGLPRAKPLGEIIVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEEDPP | 400 |
| NTDB id 1366 | NTHI RS01950 WP 011271972.1 | ..... | 24 |
| NTDB id 1355 | HI 0298 AAC21962.1 | ..... | 24 |
| NTDB id 1384 | A4U84 RS08525 WP 010787006.1 | ..... | 19 |
| NTDB id 1468 | ASU2 RS05090 WP 014991734.1 | ..... | 18 |
| NTDB id 96602 | FORC31 RS19520 WP 001025156.1 | ..... | 6 |
| NTDB id 1436 | BW25113 RS00530 WP 001025145.1 | ..... | 6 |
| NTDB id 1168 | A1552VC RS11070 WP 000957200.1 | ..... | 69 |
| NTDB id 1401 | DSB67 RS12665 WP 010643259.1 | ..... | 69 |
| NTDB id 1293 | VP RS12240 WP 005479695.1 | ..... | 69 |
| NTDB id 1110 | NGFG RS09235 WP 003689817.1 | ..... | 68 |
| NTDB id 1251 | GCO85 RS07725 WP 011946523.1 | ..... | 77 |
| NTDB id 1018 | ACIAD RS01685 WP 004920473.1 | | 77 |
| NTDB id 1058 | ABD1 RS01615 WP 001274986.1 | | 77 |
| consensus | | | |

logo

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| NTDB id 1028 | TT RS08215 WP 011173991.1 | DPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNLLALDDVRLALKRKGLNVEVAPAVATEAAITKLTIERFYGKAE | 480 |
| NTDB id 1366 | NTHI RS01950 WP 011271972.1 | DLWERNQQQQSLILRYFALPLKEENRRLWLGVDLSNLSACETIAFITGK....PVEPILLESSQLKELLQQLTPHQMQ | 99 |
| NTDB id 1355 | HI 0298 AAC21962.1 | DLWERNQQQQSLILRYFALPLKEENRRLWLGVDLSNLSACETIAFITGK....PVEPILLESSQLKELLQQLTPNQMQ | 99 |
| NTDB id 1384 | A4U84 RS08525 WP 010787006.1 | SRWQKNCEEKQLLRLYLAVPVQETEHKLLWLAVDENNLTACEIFAFMTHK....QTEPVVVIASDELKYLNLALSPEQQP | 94 |
| NTDB id 1468 | ASU2 RS05090 WP 014991734.1 | SLWQKNCKDEKHLILRYLAIPITQENDDTLWLAIDDMNLSACEIFAFIAHK....TIEPVLISDELKYLNLALSPEQQS | 93 |
| NTDB id 96602 | FORC31 RS19520 WP 001025156.1 |TALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTK....RIEITCWTRQQMEGHAS..... | 64 |
| NTDB id 1436 | BW25113 RS00530 WP 001025145.1 |TALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTK....RIEITCWTRQQMEGHAS..... | 64 |
| NTDB id 1168 | A1552VC RS11070 WP 000957200.1 | ANLCQQLGLRELITRYDALPIAKQGNLILLAVSDPTLLIQAEEDFRFATGL....QVELALADHRAALQAATIRRLYGRS | 144 |
| NTDB id 1401 | DSB67 RS12665 WP 010643259.1 | ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGL....QVELVLADFRELTAATIRRLYGRSLG | 144 |
| NTDB id 1293 | VP RS12240 WP 005479695.1 | ASLCQQLGLRELITRHNALPLHRTPTSTLILAVADPTNLQAEDDFRFATGL....QVELVLADFRELSTAIRRLYGRSLS | 144 |
| NTDB id 1110 | NGFG RS09235 WP 003689817.1 | HRVLMGVLTEEQMVEFHCVFVFRRGDKVFFAVSDPTQMPQIKQTVSAAGI....AVELVIVEDDQLAGLLDWRVGRS | 143 |
| NTDB id 1251 | GCO85 RS07725 WP 011946523.1 | GTIPVNLVNEKLIKRRHAMVPLFSRGTNLYLATDPSKQASLKETQFHTGL....NTHAIVVETDKLSALIDNLLTAKES | 152 |
| NTDB id 1018 | ACIAD RS01685 WP 004920473.1 | ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNTEAMDAIRFNASKL....KVEPIIVEHDKLERLLSEHFVEETH | 152 |
| NTDB id 1058 | ABD1 RS01615 WP 001274986.1 | SQIPKDLVDQKLLIKHRIPLIQRGQILYVATSNPSNIEAIDAIRFNASKL....LVEPVIVEHKKLEKVLGQHF | 152 |
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 non conserved
 similar
 $\geq 50\%$ conserved