

logo

|                                              |                                                                                |    |
|----------------------------------------------|--------------------------------------------------------------------------------|----|
| NTDB id 1157260 KJP42 RS12975 WP 004398514.1 | .....MNVLNQHKKATILAASAAVFTAIMIFLATG....KNKE....PVKQAVPT....ETENTVVKQEAANNDE    | 57 |
| NTDB id 105 BSU 25590 NP 390437.1            | .....MNVLNQHKKATILAASAAVFTAIMIFLATG....KNKE....PVKQAVPT....ETENTVVKQEAANNDE    | 57 |
| NTDB id 36 MW RS08230 WP 001793467.1         | MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFNKDNALKQSTSENSSLKVEDVQVKDGDNSK | 80 |
| NTDB id 20 SA RS08005 WP 001802022.1         | MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFNKDNALKQSTSENSSLKVEDVQVKDGDNSK | 80 |
| consensus                                    | ***** *! *! *! *! *                                                            |    |

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|----------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 1157260 KJP42 RS12975 WP 004398514.1 | SNETIIVIDIKGAVQHHPGVYEMRTIGDRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQGGGGSVQSD | 137 |
| NTDB id 105 BSU 25590 NP 390437.1            | SNETIIVIDIKGAVQHHPGVYEMRTIGDRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQGGGGSVQSD | 137 |
| NTDB id 36 MW RS08230 WP 001793467.1         | NKGPVYVVDVKGAVKHHPNVYKMTSKDRVVDLLDKAQ.LLEDADVSGINLSEKLTQDKMIFIPHKCQKNVEPQIGVNSVHVK | 159 |
| NTDB id 20 SA RS08005 WP 001802022.1         | NKGPVYVVDVKGAVKHHPNVYKMTSKDRVVDLLDKAQ.LLEDADVSRINLSEKLTQDKMIFIPHKCQKNVEPQIEVNSVHVK | 159 |
| consensus                                    | * * *! *! *! *! *! *! *! *! *! *! *! *! *! *! *! *                                 |     |

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|----------------------------------------------|-------------------------------------------------------------------------|-----|
| NTDB id 1157260 KJP42 RS12975 WP 004398514.1 | GG..KGALVNIINTATLEELQGISGVGPSKAEAITAYREENGRFQTIEDITKVSGIGEKSFETIKSSITVK | 205 |
| NTDB id 105 BSU 25590 NP 390437.1            | GG..KGALVNIINTATLEELQGISGVGPSKAEAITAYREENGRFQTIEDITKVSGIGEKSFETIKSSITVK | 205 |
| NTDB id 36 MW RS08230 WP 001793467.1         | NGNTNNTKVNINNTASVSELMSVPGVCAKANAIVEYRNQQCAFQEBDDLKKVKCFGSKTFDKLSYFTI.   | 228 |
| NTDB id 20 SA RS08005 WP 001802022.1         | NGNTNNTKVNINNTASVSELMSVPGVCAKANAIVEYRNQQCAFQEBDDLKKVKCFGSKTFDKLSYFTI.   | 228 |
| consensus                                    | ! * *! *! *! *! *! *! *! *! *! *! *! *! *! *! *! *                      |     |

- non conserved
- similar
- ≥ 50% conserved