

|           |         |                                |                                                                                                   |    |
|-----------|---------|--------------------------------|---------------------------------------------------------------------------------------------------|----|
| NTDB id   | 98      | BSU 24710 NP 390351.1          | .....MNEK <b>GFTLVEMLIVLFIIISLLLIITIPNVTKHNQTIQKKGCEGLQNMVKAQMATAFELDHEGQT</b>                    | 63 |
| NTDB id   | 1005725 | UXR76 RS07845 WP 000472256.1   | ..... <b>MFKF..LKKTQAFTLTLEMLVLLIISLLLIITIPNIAKQTAHIQISTGCNAQVKMVNSQIEAYALKHVRNP</b>              | 68 |
| NTDB id   | 32      | MW RS07995 WP 000472256.1      | ..... <b>MFKF..LKKTQAFTLTLEMLVLLIISLLLIITIPNIAKQTAHIQISTGCNAQVKMVNSQIEAYALKHVRNP</b>              | 68 |
| NTDB id   | 16      | SA RS07765 WP 000472256.1      | ..... <b>MFKF..LKKTQAFTLTLEMLVLLIISLLLIITIPNIAKQTAHIQISTGCNAQVKMVNSQIEAYALKHVRNP</b>              | 68 |
| NTDB id   | 588     | KW2 RS10845 WP 051303741.1     | MSKALSLVKIHGRKL <b>CQKKQKAFTLTLEMLIVLAIIISLLILLFVPNLTKKEAQQVQKTGEAAVVKVVSQAELYELDHNDK</b>         | 80 |
| NTDB id   | 460     | GPW51 RS00790 WP 011921720.1   | ..... <b>MKKLVEMKVK<b>GFTLVEMLVVLGIISLLLLFVPNLSQKKDAIQCKGDA</b>A</b> AVVKVVSQ <b>MELYEL</b> EHD.E | 68 |
| NTDB id   | 431     | SGO RS09410 WP 012130940.1     | ..... <b>MNKLKKLRVKAFTLVEMLVLLIISVLMLLFVPNLTKQKEAVSDTGNA</b> AVVKVVSQAELYEL <b>KNTGDQ</b>         | 69 |
| NTDB id   | 502     | SM12261 RS00955 WP 000738641.1 | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLLLFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>       | 72 |
| NTDB id   | 162     | SP RS10370 WP 000738627.1      | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLFFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>        | 72 |
| NTDB id   | 272     | KZH43 RS09255 WP 000738626.1   | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLFFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>        | 72 |
| NTDB id   | 231     | SPD RS09885 WP 000738626.1     | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLFFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>        | 72 |
| NTDB id   | 197     | SPR RS09420 WP 000738626.1     | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLFFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>        | 72 |
| NTDB id   | 530     | SMSK321 RS09230 WP 000738643.1 | ..... <b>MKKMMTFLKKA<b>KVKAFTLVEMLVLLIISVLLFFVPNLTKQKEAVNDKGKAA</b>VVKVVSQAELYSLDKNE.D</b>        | 72 |
| consensus |         |                                | * * *      * * * * ! ! ! * ! ! ! ! ! * ! * * * * * * * !    * * * * * * * ! * * ! * *             |    |

|           |    |         |                                |                                       |     |
|-----------|----|---------|--------------------------------|---------------------------------------|-----|
| NTDB      | id | 98      | BSU 24710 NP 390351.1          | PSLADLQSEGYVKKDAV.CPNGKRIIITGGEVKEVH  | 98  |
| NTDB      | id | 1005725 | UKR76 RS07845 WP 000472256.1   | SSIEDLIADGFIKEAQTCKSGETITISNCEA.VAN   | 103 |
| NTDB      | id | 32      | MW RS07995 WP 000472256.1      | SSIEDLIADGFIKEAQTCKSGETITISNCEA.VAN   | 103 |
| NTDB      | id | 16      | SA RS07765 WP 000472256.1      | SSIEDLIADGFIKEAQTCKSGETITISNCEA.VAN   | 103 |
| NTDB      | id | 588     | KW2 RS10845 WP 051303741.1     | PNLSELLSAGMITCKQVTAYYDDYDQNKNEQRNFDD  | 116 |
| NTDB      | id | 460     | GPW51 RS00790 WP 011921720.1   | ATVADLQAKGYITEKQAKQYATAKK.....        | 93  |
| NTDB      | id | 431     | SGO RS09410 WP 012130940.1     | ATLSKLVAAGNLSQKQADSYPKAYYGKINSETQAVAN | 105 |
| NTDB      | id | 502     | SM12261 RS00955 WP 000738641.1 | ASLSKLQADGRITEEQAKAYKEYHAKQNTSQTVD.   | 107 |
| NTDB      | id | 162     | SP RS10370 WP 000738627.1      | ASLRKLQADGRITEEQAKAYKEYNDKNGGANRKVND  | 108 |
| NTDB      | id | 272     | KZH43 RS09255 WP 000738626.1   | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVND  | 108 |
| NTDB      | id | 231     | SPD RS09885 WP 000738626.1     | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVND  | 108 |
| NTDB      | id | 197     | SPR RS09420 WP 000738626.1     | ASLRKLQADGRITEEQAKAYKEYHDKNGGANRKVND  | 108 |
| NTDB      | id | 530     | SMSK321 RS09230 WP 000738643.1 | ASLSKLQADGRITEEQAKAYNEYAKNGGANRKVND   | 108 |
| consensus |    |         |                                | *** ! * * * ! * * * * * * * * *       |     |

- X non conserved
- X similar
- X > 50% conserved