

|             |                             |                                                                                          |    |
|-------------|-----------------------------|------------------------------------------------------------------------------------------|----|
| NTDB id 54  | SMU RS08705 WP 002262113.1  | MNEALMILSNGLLTYLTVLFLFLFFSKVSNVTLSSKKELTIFS.....ISNFLIMIAVITMVNVNLFYPAEP.LYFIALSIIYLNQRN | 79 |
| NTDB id 541 | H702 RS10470 WP 236726575.1 | .....                                                                                    | 0  |
| NTDB id 543 | H702 RS02375 WP 160172984.1 | .....                                                                                    | 0  |
| NTDB id 544 | H702 RS02380 WP 039696235.1 | MIIEIVVFILITMLLNFVGFIIVGILFQQITKVKLTFLEWVLIIIFLQAVSFFMNPQKYSMVALVLMKDIDSVIFCLLSVSFHHNPKI | 85 |
| consensus   |                             | * * * * *                                                                                |    |

NTDB id 54 SMU RS08705 WP 002262113.1 SLSLNIFYGGLLPVASSDLFRRAIIFVILDG....TQGIVMGSSITTTY....MIEFAGIALSYLFLSVFNVDIGRLKDSLTKMKV 156  
NTDB id 541 H702 RS10470 WP 236726575.1 ..... 0  
NTDB id 543 H702 RS02375 WP 160172984.1 .....MYYLVSRLWNIDISNVSQLKKHIE 25  
NTDB id 544 H702 RS02380 WP 039696235.1 GIRYHIFYALYPIINLYMILHEVYCYIIFAIFSIQLTSLTMTSPSVGKMIGMITAVIIPPIFYLISKWLNIDISNVRKTLKNYLS 170  
consensus \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

|             |                             |                                     |                                                       |     |
|-------------|-----------------------------|-------------------------------------|-------------------------------------------------------|-----|
| NTDB id 54  | SMU RS08705 WP 002262113.1  | KKRLIPMNITMLLYLLIQVLYVIESYNVIP.TLKF | RVVIVYLILFLILISFLSQYTKQKVQNEIMAKKEAQIRNITQYSQQI       | 240 |
| NTDB id 541 | H702 RS10470 WP 236726575.1 | .....                               | MNRSYQNRLEKEIASAREQLRYLSAYSKKV                        | 31  |
| NTDB id 543 | H702 RS02375 WP 160172984.1 | PKIFINILMVSYFLFMDAIAIVKPFHNAD.NDA   | IRGIVAFTIYLILLFVFLFYLNFRHGGEQKNELLRNQEMELAAALANYSKHV  | 109 |
| NTDB id 544 | H702 RS02380 WP 039696235.1 | ARLRFNVLLLLFYPGMECFGAIAPEFEKMSMNRN  | IYRAVIFIFIYFILLFIFLFYLNFRHGGEQKNELLRNQEMELAAALANYSKHV | 255 |
| consensus   |                             | * * * * *                           | * * * * *                                             |     |

[illegible][illegible]

|             |                             |                               |                       |     |
|-------------|-----------------------------|-------------------------------|-----------------------|-----|
| NTDB id 54  | SMU RS08705 WP 002262113.1  | AKVNHILEHYPKTSLQTSNHHHLFKQLLI | IK.....               | 441 |
| NTDB id 541 | H702 RS10470 WP 236726575.1 | TTIHQMMRKYSNLSVQTN            | SKNYHFSQTIRIKNHSTKIVE | 240 |
| NTDB id 543 | H702 RS02375 WP 160172984.1 | ATLMDFQDDYENLSVETHSSDYTFTQV   | VRIYEGDSR....         | 315 |
| NTDB id 544 | H702 RS02380 WP 039696235.1 | ATLMDFQDDYENLSVETRSLDYKFTQV   | VRIYEA.....           | 458 |
| consensus   |                             | *****!*****!*                 | !*****!*              |     |

 non conserved  
 similar  
  $\geq 50\%$  conserved