```
logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      .....MILK.IIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLF   74
NTDB id 416 SGO RS10505 WP 012131078.1        .....MIFT.IILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLL   74
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  ......................................................................................   0
NTDB id 54 SMU RS08705 WP 002262113.1         MNEALMILSNGLLTYLTVLFLLFLFSKVSNVTLSKKELTLFSISNFLIM.IAVTM.................VNVNLFYP   62
consensus                                          **** ***************** * **** **** ** * *** ******** ** * ** *  *   *******

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      IQPLIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIIS....SI....TGDYFVKQHYDIFYIIINLLSLFII  145
NTDB id 416 SGO RS10505 WP 012131078.1        IQPLIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIIS....SI....TGDSFVKQHYDIFYIIINLLSLFII  146
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  ......................................................................................   0
NTDB id 54 SMU RS08705 WP 002262113.1         AEPLYFIALSIYLNRQNSLSLNIFYGL...LPVASSDLFRRAIIFFILDGTQGIVMGSSI.ITTYMIEFAGIALSYLFLS  138
consensus                                     *********** ******************************     **    *************************

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      LKVVDFFDFYFEYYKEPIYK....NDLYNVNK....SYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLK  217
NTDB id 416 SGO RS10505 WP 012131078.1        LKVVDFFDFYFEYYKEPIYK....NDLYNVNK....SYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLK  218
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  ......................................................................................   0
NTDB id 54 SMU RS08705 WP 002262113.1         .....VFNVDIGRLKDSLTKMKVKKRLIPMNITMLLYYLLIQVLYVIESYNVI..PTLKFRKFVVIVYLILFLILISFLS  211
consensus                                     ********************    ********    ****************************************

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      SAREQHEKAKEIQQKKEEQRQLQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSD  297
NTDB id 416 SGO RS10505 WP 012131078.1        SAREQYEKAKEIQQKKEEQRQLQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSD  298
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  ......................................................................................   0
NTDB id 54 SMU RS08705 WP 002262113.1         QYTKQKVQNEIMAQKEAQIRNITQYSQQIESLYKDIRSFRHDYLNILTSLRLGIENKDLASIEKIYHQILEKTGHQLQDT  291
consensus                                     ***** ****************************************************************************

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      DYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVK  377
NTDB id 416 SGO RS10505 WP 012131078.1        DYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVK  378
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  ......................................................................................   0
NTDB id 54 SMU RS08705 WP 002262113.1         RYNIGHLANIQNDAVKGILSAKILEAQNKKIAVNVEVSSKIQLPEMELLDFITILSILCDNAIEAAFESLNPEIQLAFFK  371
consensus                                     ******************************************************************************

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      LDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1        LDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
NTDB id 1136392 DQL06 RS09755 WP 331792677.1  .....MLIVQNDTFEKQINLSTIFERGVSSKGNNRGVGLSNVREILESYPTVTLKTVSNHFVFKQILEIEIL...    67
NTDB id 54 SMU RS08705 WP 002262113.1         KNGSIVFIIQNSTKEKQIDVSKIFKENYSTKGSNRGIGLAKVNHILEHYPKTSLQTSNHHHLFKQLLIIK.....   441
consensus                                     *********!!* * * !** *!*****!*!!*!!!*!!**!**!***!****!*!******!  !*** ******
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X non conserved
X similar
X $\geq$ 50% conserved