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logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  MLNLYQSNRLEDLAAMMHKVQQSRPLPQALAAEEVMVQSQGMRRFVARYLAKQDGIAANIRFSLPAGFAWRLMRDLLPGI   80
NTDB id 1133 OK783 RS06970 WP 010951252.1    MFYLYQSNRLESLAALFARIQKVKPLKCALQPEQIVVQSQGMRRYLNTCLARDLGVAANLAFSLPAGLTWKLMKKLIPGI   80
consensus                                    !  !!!!!!!! !!!* ***!  *!!**!! *! **!!!!!!!!**  *!!*  !*!!!* !!!!!!  !*!!* !*!!!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  PELSPFDTEVMRWRLLGLFVSDGL.NAPELASAKQVLSGYLAGGETAAYRLAGQIADIFDQYLVYRPDWIDAWQRGKPIG  159
NTDB id 1133 OK783 RS06970 WP 010951252.1    PELSPFAPEVMRWRLLDLFRSAEFQNGAEFEDVRNVLQDYLGSGESADYQLAGQLADIFDQYLVYRPQWIDAWQQGRILG  160
consensus                                    !!!!!! *!!!!!!!!! !! !   *!**!    **!!  !!* !!*! ! !!!!*!!!!!!!!!!!! !!!!!! !***!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  LGGDEAWQAELWRFLDDGRQSAPHRVEMRRRLSAALAAPPAGVLPDRLCVFGIATLAPMYLQLLQELAQHCEVHIFALNP  239
NTDB id 1133 OK783 RS06970 WP 010951252.1    LGDDEIWQSKLWRYLDDGRQSAPHRVALWEKLLAAL...DKDKLPERYFVFGISTMAPMYLQLLHKLSEHCDVFVFALNP  237
consensus                                    !! !! !!   !!!*!!!!!!!!!!!! *  *! !!!****   !!*! *!!!! !*!!!!!!!* !  !!*!**!!!!!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  SAEYWGNIIEPAQMLQQ.NDADPAAAGHPLLASLGKQGRDFFNALADSELAADLSVYRDEALSDGLLHRLQYGLQTLALP  318
NTDB id 1133 OK783 RS06970 WP 010951252.1    SGMHWGNVIEAAQILKGGGDPDLTQAGHPLLASLGKQGRDFFDFLNEMEIEEETPVFEE.GGRDTLLHALQTDIQNLKMP  316
consensus                                    !* *!!!*!!*!!*!  * !*!*  !!!!!!!!!!!!!!!!!  ! * !*  * *!* ***  ! !!! !!  *! ! *!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  DGS....ARADDSIRIVAAHSPLRELQILKEKLLALLAEHPDWQPHDIAVLTPDIEPYAPFLEAVFGRE..SRQPLPYSV  392
NTDB id 1133 OK783 RS06970 WP 010951252.1    SENVGSVGTDDGSICIVSAHSPLRELQILKDKLLKILHEHPDWQPHDIAVLTPNIEPYTPFIEAVFGQAQPGAQALPYSV  396
consensus                                       *****  ! !!*!! !!!!!!!!!!!!**!! *!*!!!!!!!!!!!!!!! !!!! !!*!!!!!  **  !*!!!!!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  SDVKLGRRRPLLAALEQLADIFDSRFEADKIFALLENETVLARFGLTLEDLPLLRDTAERLNIRWGADETMRGGGSALFT  472
NTDB id 1133 OK783 RS06970 WP 010951252.1    SDVKISRRQPFFYALECVSDLLESRFEVGKVLALLETAPVLRRFGLTGDDLPLLHDMVADLNVHWGLDGEMRGGTDQLFT  476
consensus                                    !!!!* !! !   !!!** !* *!!!!  !* !!!!  *!! !!!!! *!!!!!*!    !!**!! !  !!!!   !!!

logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  WQQGLDRIALGWMLPDNG.SLWQGVSPWHADPSHTAVYARFAAFIGRLKHWHAIWQRPADIAGWAERIRSLAEDICEPSE  551
NTDB id 1133 OK783 RS06970 WP 010951252.1    WKQAADRMILGWMLPEGGNPMWQDVSAWYADVNQTAMFGRFAAFLETLSDIARIWRQPATVGEWVARCRDLLETLFQAGP  556
consensus                                    ! !* !!* !!!!!!* !***!! !!*!*!!* *!!***!!!!!*  ! * * !!  !! ** !  !*! ! ! ** * *
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logo
NTDB id 240319 CGZ77 RS07810 WP 094031087.1  ADRAAAQQLAQALARWQQEAALAGFIGELSGSIASLHLSNFLGSRSDAGFLRGGITFCGMVPMRSLRPFKVLCLIGLDDGK   631
NTDB id 1133 OK783 RS06970 WP 010951252.1    DDQKAVQNLENEWVKWQEESTLAGFFGQLPQQTVIRHIRRFLDSESEAGFLRGGITFCSMVPMRSLRPFKVICLLGLNDGD   636
consensus                                     !  ! !*! *   *!! !  !!!! ! !*      !*  !! ! !*!!!!!!!!!! !!!!!!!!!!!*!!*!! !!

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  FPRDTRAAAFDLIARHPRKGDRARRDDDRYLFLEALISAREHLYLSYVGRDIRTNEALAPSALVGELADCLADMTGQSVE   711
NTDB id 1133 OK783 RS06970 WP 010951252.1    FPRNTKAAVFDLVAKHPAKGDRARRDDDRYLFLEALISAREILYLSYIGRDIRKDEELASSSLLGELIDTVAAMTGTNSR   716
consensus                                    !!! !*!! !!!*!*!! !!!!!!!!!!!!!!!!!!!!!!!!*!!!!!*!!!!!  ! !!*! !*!!! !**! !!!

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  ELNAALVENHPLQAFSTRYFDGGRL....SSTRADYAAALSAPPAKPAPFCGTESENADGGAGISTEVGHAAFLDFWRNP   787
NTDB id 1133 OK783 RS06970 WP 010951252.1    QLAQNWIEQHPLQAFSRRYFQEGGRSDGIFGTRTDYAAALGQTPEPPQPFFDQPVENAEP....VAEIGQDEFIRFWRNP   792
consensus                                     !    *!*!!!!!!! !!!  !  ****  !! !!!!!!  *! *! !!*  * !!!******  !*!*  !* !!!!!

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  VKHWLSHTLDWQAPYLGGAWETAEPFEPPRPRDTAAAYLDARLNRRDFADTAQVLEARSLLPAGEIGTLWRERCETAAKS   867
NTDB id 1133 OK783 RS06970 WP 010951252.1    VKVWLQ.QLAWSEPHIGEAWEPAEPFEPQHAEQIAETYIGARREGQDFSQTAARIAAESLLPSGELGKLWQQSFQTAAKQ   871
consensus                                    !!*!! * ! !  !**! !!!*!!!!!!***   !  !* !!    !!  !!  * ! !!!! !!*! !!   * !!!!

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  LDSDLIASPPLPAAPYTFVSDGLTLYGSLDSLHRDGRIRFLDHAPNAPEKTVLLLEHLIYNAVRPDSAADLCSHWVQPDQ   947
NTDB id 1133 OK783 RS06970 WP 010951252.1    IDTAVLNSPKLPPFPYAIPSDGQILKGSLGNLYRCGQVFYAYGKPNAPQRVAFLLEHLIFCAVMPSEAETRQTFIVQSGE   951
consensus                                    *!* ** !!*!!* !!  *!!!  ! !!!  !*!*! * *  * !!!! *   !!!!!!**!! !  !   *** !!*

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  ITTLPPIPQQQARTLLAAWLAWWRTGQSRPLPFFAKTTLAAAEALLPDGKKTEEERRLSAYKAAATAYFGGKKSTGQCDY  1027
NTDB id 1133 OK783 RS06970 WP 010951252.1    TEVLAEIAQDRALQLLSEWMAFFNIGQNRPLPFFAKTSLAAAEAFAQKQ......DWEAALKKAQTAYYGSKVSKGQKDY  1025
consensus                                       !**!*!  !  !!  !*!**  !! !!!!!!!!!*!!!!!!  *  ******    ! ! ! !!!*! ! ! !!*!!

logo

NTDB id 240319 CGZ77 RS07810 WP 094031087.1  AEVAQVFGRDDTPPVDGELFWLLAENLAAPLLAALSDTKEAV.  1069
NTDB id 1133 OK783 RS06970 WP 010951252.1    TEVALVFGNASQNPLEQPLFENLARLLADTLAAAEKREGTGAA  1068
consensus                                     !!! !!!    *!** *!!  !!  !! *! !!      * *
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X non conserved
X similar
X $\geq$ 50% conserved