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logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   MFYLYQSNRLETLAALFAHIQKFKPLKSALQPEQIIVQSQGMRRYLNTCLARDLGVAANLAFSLPAGLTWKLMKKLIPGI   80
NTDB id 1133 OK783 RS06970 WP 010951252.1       MFYLYQSNRLESLAALFARIQKVKPLKCALQPEQIVVQSQGMRRYLNTCLARDLGVAANLAFSLPAGLTWKLMKKLIPGI   80
consensus                                       !!!!!!!!!!!*!! !!!!*!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   PELSPFAPEVMRWRLLDLFRSEAFRNTAEFEDVRNVLQDYLGSGESADYQLAGQLADIFDQYLVYRPQWIDAWQQGRLLG   160
NTDB id 1133 OK783 RS06970 WP 010951252.1       PELSPFAPEVMRWRLLDLFRSAEFQNGAEFEDVRNVLQDYLGSGESADYQLAGQLADIFDQYLVYRPQWIDAWQQGRILG   160
consensus                                       !!!!!!!!!!!!!!!!!!!!  !  ! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!


logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   LGDDEIWQSKLWRYLDDGRQSALHRVALWEKLLESLSSDKLPERYFVFGISTMAPMYLQLLHKLSEHCDVFVFALNPSGM   240
NTDB id 1133 OK783 RS06970 WP 010951252.1       LGDDEIWQSKLWRYLDDGRQSAPHRVALWEKLLAALDKDKLPERYFVFGISTMAPMYLQLLHKLSEHCDVFVFALNPSGM   240
consensus                                       !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!! !  !  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


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NTDB id 1138957 DQM57 RS06235 WP 111727294.1   HWGNVIEAAKILKGGGDPDLTQAGHPLLASLGKQGRDFFDFLNEMEIE.ETPVFEEGSRDTLLHALQTDIQNLDMPSEKA   319
NTDB id 1133 OK783 RS06970 WP 010951252.1       HWGNVIEAAQILKGGGDPDLTQAGHPLLASLGKQGRDFFDFLNEMEIEEETPVFEEGGRDTLLHALQTDIQNLKMPSENV   320
consensus                                       !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   GNINTDDGSIRIVSAHSPLRELQILKDKLLKILHEHPDWQPHDIAVLTPNIESYTPFIEAVFGQAQPGAQALPYSVSDVK   399
NTDB id 1133 OK783 RS06970 WP 010951252.1       GSVGTDDGSICIVSAHSPLRELQILKDKLLKILHEHPDWQPHDIAVLTPNIEPYTPFIEAVFGQAQPGAQALPYSVSDVK   400
consensus                                       ! * !!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!


logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   ISRRQPLFHALSCLFDLLESRFEVDKVLVLLETAPVLRRFGLTEDDLPLLHDMVADLNVRWGLDGEMRGGTDQLFTWKQA   479
NTDB id 1133 OK783 RS06970 WP 010951252.1       ISRRQPFFYALECLFDLLESRFEVGKVLALLETAPVLRRFGLTGDDLPLLHDMVADLNVHWGLDGEMRGGTDQLFTWKQA   480
consensus                                       !!!!!!*!*!!*!!!*!!!!!!!!! !!! !!!!!!!!!!!!! !!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!


logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   VERMILGWMLPEGDNPMWQDVSAWYADVNQTAMFGRFTAFIESLTDIVRIWRQPATVDEWVGRCRDLLKTLFQAEADDQN   559
NTDB id 1133 OK783 RS06970 WP 010951252.1       ADRMILGWMLPEGGNPMWQDVSAWYADVNQTAMFGRFAAFLETLSDIARIWRQPATVGEWVARCRDLLETLFQAGPDDQK   560
consensus                                       * *!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!! !!!*!*!*!! !!!*!!!!! !!!*!!!!!! !!!!! *!!!
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logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   AVQNLENEWVKWQEESTLAGFFGQLPQQTVIRHILRFLDSESEAGFLRSGITFCSMVPMRSLPFKVICLLGLNDGDFPRN   639
NTDB id 1133 OK783 RS06970 WP 010951252.1       AVQNLENEWVKWQEESTLAGFFGQLPQQTVIRHIRRFLDSESEAGFLRGGITFCSMVPMRSLPFKVICLLGLNDGDFPRN   640
consensus                                       !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   TKAAVFDLIAKHPAKGDRARRDDDRYLFLEALISAREILYLSYIGRDIRKDEELAPSSLLGELIDTVAAMTGIGSRQLAE   719
NTDB id 1133 OK783 RS06970 WP 010951252.1       TKAAVFDLVAKHPAKGDRARRDDDRYLFLEALISAREILYLSYIGRDIRKDEELASSSLLGELIDTVAAMTGTNSRQLAQ   720
consensus                                       !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!! !!!!!

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   NWIEQHPLQPFSHRYFQTGSRSNGIFSTRTDYAEALECPSGQSQPFFDNPVESCEPVAEIGQEAFVRFWRNPVKAWLQQQ   799
NTDB id 1133 OK783 RS06970 WP 010951252.1       NWIEQHPLQAFSRRYFQEGGRSDGIFGTRTDYAAALGQTPEPPQPFFDQPVENAEPVAEIGQDEFIRFWRNPVKVWLQ.Q   799
consensus                                       !!!!!!!!!*!!*!!!! !! !!! !!!!!! !! *** ** !!!!!*!!! *!!!!!!!! !*!!!!!!! !!!*!

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   LSWSEPYIDEAWEPAEPFEPQHAEQIAEIYIEARREGQDFSQTAARIGAESLLPSGELGRLWQQDFQTAAKQIDTAVLNS   879
NTDB id 1133 OK783 RS06970 WP 010951252.1       LAWSEPHIGEAWEPAEPFEPQHAEQIAETYIGARREGQDFSQTAARIAAESLLPSGELGKLWQQSFQTAAKQIDTAVLNS   879
consensus                                       !*!!!!*! !!!!!!!!!!!!!!!!!!! !!*!!!!!!!!!!!!!!!*!!!!!!!!!!!!*!!!!*!!!!!!!!!!!!!!!

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   PKLPPLSYAIPSDGQILKGSLGNLYRCGQVFYAYGKPNAPQRVAFLLEHLIFCAVMPSEAETLQTFIVRSGETEVLAGIV   959
NTDB id 1133 OK783 RS06970 WP 010951252.1       PKLPPFPYAIPSDGQILKGSLGNLYRCGQVFYAYGKPNAPQRVAFLLEHLIFCAVMPSEAETRQTFIVQSGETEVLAEIA   959
consensus                                       !!!!!*! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!! !!!!!!! !

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   QDRALQLLSEWIAFFNIGQNRPLPFFAKTSLAAAETLAEKTDWEAALKKAQTVYYGSKVSKGQKDYTEVALVFGGG.EEP   1038
NTDB id 1133 OK783 RS06970 WP 010951252.1       QDRALQLLSEWMAFFNIGQNRPLPFFAKTSLAAAEAFAQKQDWEAALKKAQTAYYGSKVSKGQKDYTEVALVFGNASQNP   1039
consensus                                       !!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!! !! !!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!! ** !

logo

NTDB id 1138957 DQM57 RS06235 WP 111727294.1   LEQPLFENLVRLLADTLAAAEKREEAGAGRGRSSITG   1075
NTDB id 1133 OK783 RS06970 WP 010951252.1       LEQPLFENLARLLADTLAAAEKREGTGAA........   1068
consensus                                       !!!!!!!!! !!!!!!!!!!!!!!!! !!*********
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X	non conserved
X	similar
X	≥ 50% conserved