(A)

```
gi51011604_      -MKLVLSLAIFVCGVLVGA-----------Y-GKMTTASPRGISRGSTTTVPPEYDPSKE
gi51011586_      -MKLVLSLAIFVCGVLVGA-----------Y-GKMTTASPRGISRGSTTTVPPEYDPSKE
gi51011416_      ---MRLLVFLTLCYFEYC----------------------ISTSQNADSPLDPTKDAWTV
gi51011410_      MPLHLHFEPWSLLMICLG-----------VFVVTSTSSVKAGSVWIPVETPPLNSAKTP
gi51011480_      ----MSLYSIALATFLVG-----------------ISHQFGLSSTVISTNPP-YEDDPQ
gi51011424_      --MGFKYAALFACIATTSA-----------WQAQMTIRNPENNPLLNDPKYGPLQNAWKA
gi51011532_      --MLRIAVVAALCSVGTG---------------TVSRFQQNATERHYQELNPNLSKYQD
gi51011498_      ------------------------------------------------------------
gi51011558_      --MGLQYVVFAYLAAAAAWPEMEDWTPGFHWTRKMNIKNPENNPTFNYAGLGSLQDAWQV

gi51011604_      GEQN-------ATRSGSNERYAMRYKW--------------RTYNVTDP-FKGNHPLQC
gi51011586_      GEQN-------ATRSGSNERYAMRYKW--------------RTYNVTDP-FKGNHPLQC
gi51011416_      MSQK-------------KKFYLLYRSN--------------ENDTLMG------ETSKC
gi51011410_      LNEKD----VKLQRYQDFKRGILYGSLV--------------LVYSSLK----NDPFRLC
gi51011480_      NFEH-------QHATGFLCSNSTYYMLN--------------RTYTPQP-------PSEC
gi51011424_      LERND--SYVLMFRSKNYEPNITCVKVKSTVYNETLKIANYTRTYLNLTSGNTTKLEFQV
gi51011532_      AWKS--------N----TENREYVLAY--------------RSFQDIER---T-HIRRC
gi51011498_      -----------MLKKMVELPGTHWVKR--------------RTYRVTT----TQVEPTC
gi51011558_      LEDTSNDSYYLMFRTEAPMGSTRCISMTANITNKTNKTANLTIKFYDTEEHEYENITIQV

gi51011604_      ENYKVMERRTPTNYSLQYKYRS-GYSWGT--LTETLILGFLQQPLP--------------
gi51011586_      ENFKVMERRTPTNYSLQYKYRS-GYSWGT--LTETLILGFLQQPLP--------------
gi51011416_      VQTKYYEIDRAHKTLKNRVLYRNDKTGQMEQYAVLITFKKSNDTLP-------------Y
gi51011410_      KLTYKPNSEITPEGHIEVLTSSNDTDYRDMLQGFSAETAAYHNRTY--------------
gi51011480_      ISVNVTSGLRNGTYQALLKHRFNGSSEITS-LNVTVQPFTSGLHTE--------------
gi51011424_      RALNQSGYELENVIRAGLKGTAPSSTPIPLGSNMYIQYGDYSCNTSSKPFWEMLLEGASS
gi51011532_      VSATLLSKSKENRTTVHRLRYYNTRHQKWEGHSVLTRFNSTPGYKV--------------
gi51011498_      EYAKIHGMVKENEYNLELGAKV-GSRWQS--QNQTLDLETTGSHPA--------------
gi51011558_      RALKQTDYLLENVVRANLDGTLPNATPVPPGSYTYAENDNYTCYSR--------------

gi51011604_      PNDMFFARTPIGIP--THNLVLYSNYVNCTILRIPMPNQGENHCDLWMANMT--------
gi51011586_      PNDMFFARTPIGIP--THNLVLYSNYVNCTILRIPMPNQGENHCDLWMANMT--------
gi51011416_      YDIISVGSLDTTISATRDYILLFSDNKTCHTVRSVDNDQF---Q-VWMTQDY---------
gi51011410_      -RAITWLYRGGTAEY-YESRVIFTDYKHCILLRTEEYGIL---CELFTAGRH---------
gi51011480_      DNALFFKVSVPQPP--LYKFMYINSNKTCAVLRATHRQNG-TGCELFSTGP----------
gi51011424       DKDESKTSDPVEGED-YLDFYEVYSQPSCNILRSPFLQGG---CDFWLNQSLLADALKHA
gi51011532_      PNLMQMSSYHNKSDEGRLYWTLYSEYGSCNIVRVE-RNGG---CELWVRKG----------
gi51011498_      PNVLKFSRLQADGR--LGHPLLYSDYEKCSIVRIMKKDSSEYRCDMLLLNEA---------
gi51011558_      ---S--TPFPDRVN--AVEWLLGAEDPDDNPTMS-------------------------

gi51011604_      ------VPQEPPELCRENFY---KYCNTTQT-FTVYFPNCTERNSRFYGGRGVEPLDSRS
gi51011586_      ------VSQEPPELCRENFY---KYCNTTQT-FTVYFPNCSERNSRFY------------
gi51011416_      ------NPKGIDPGCENAYQNAPLIFSSPAPREKYYIYNETICN----------------
gi51011410_      ------DSDRVNSWCFFIYA---VFCGTPAVTFKSLGECWPEPA----------------
gi51011480_      -------PPFVPQDCMDVYQN-ISNCPNTT--SEVWKDDCKQES----------------
gi51011424_      VNLIQSIDAKAPKETNAAGHNGNGNENNTENKNNEEKRDEAERFAEALFKSLPTACRYAF
gi51011532_      ------LQDYISSCCGFIYK---SYCGNEN--YQIYNTTYCKRXGTRVIVQYTELGS---
gi51011498_      ------AKNDPPTECEERFK---TYCTGTP--VEVYRSSCEATGAEAM------------
gi51011558_      ------------------------------------------------------------

gi51011604_      LFKDLHHFFFLIPQKTL---------------
gi51011586_      --------------------------------
gi51011416_      --------------------------------
gi51011410_      --------------------------------
gi51011480_      --------------------------------
gi51011424_      IASCGYPEFMMYDKVRCKTEIKEPTTTTPSEE
gi51011532_      --------------------------------
gi51011498_      --------------------------------
gi51011558_      --------------------------------
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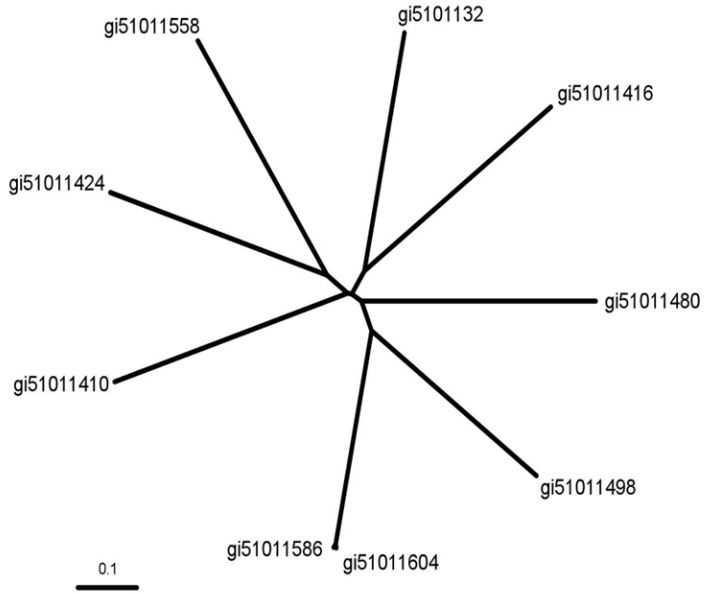
(B)



(C)

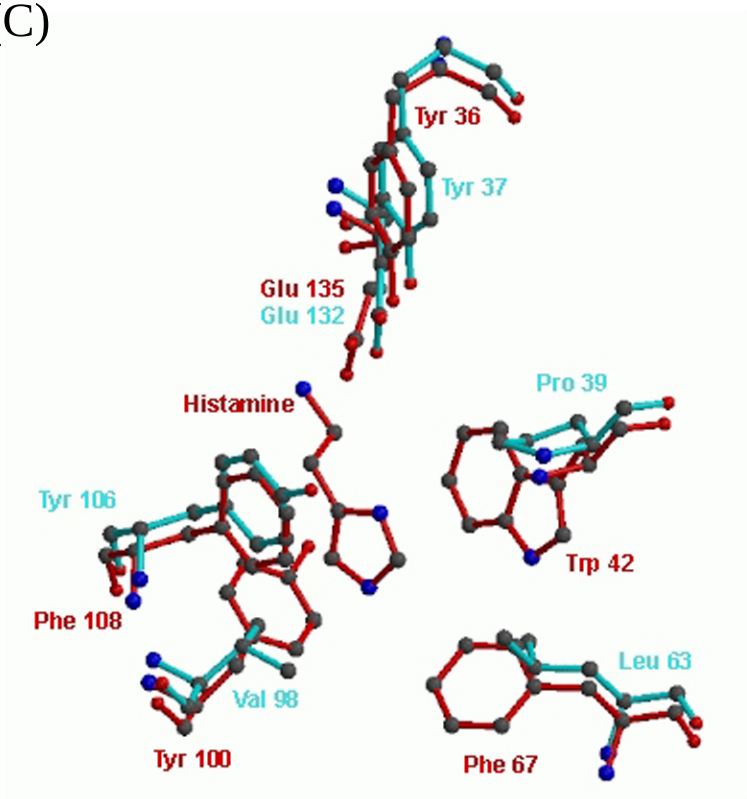


Figure 9