

Supplementary Figure 2 Alignment of human heavy chain (NP_001900.1:169-412) and heavy chain of *Macrobrachium rosenbergii* CAT_D (AMQ98967.1:118-385) by Clustal Omega Program

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H.sapiens          -----LGGVKVERQVFGEATKQPGITFIAAKFDGILGMAY 35
M.rosenbergii     KNGTEFAIQYGSGLSGYLSTDTVSVGSVVVKDQTFAEALSEPGMAFVAAKFDGILGMAY 60
                   :*. * *: *. *.** .:***:*.:*****

H.sapiens          PRISVNNVLPVFDNLMQQKLVLDQNIFSFYLSRDPDAQPGGELMLGGTDSKYKGSLSYLN 95
M.rosenbergii     DRIAVDGVTPVFFYNMVSQKLVPAVFSFYLNRPDPSAPEGGELILGGSDPKYKGFYLP 120
                   **:*.:. * ** *:.:***** :*****.***.* ****:***:* *****.:**

H.sapiens          VTRKAYWQVHLDQVEVA-SGLTLCKEGCEAIVDTGTSLMVGFPVDEVRELQKAIGAVPLIQ 154
M.rosenbergii     VDRQGYWQFKMDGVQIDGADVPCVTGGCEAIADTGTSLIAAPSEEARLINKKIGAKPIVG 180
                   * *.:***.:** *:.: .:.: *. *****.*****:..* :*. * :.* ** *:.:

H.sapiens          GEYMIPCEKVSTLPAITLKLGGKGYKLSPEYTLKVSQAGKTLCLSGFMGMDIPPPSGPL 214
M.rosenbergii     GEWMVDCDLIPNLPTISFVLNGKPFVLETKDYILRVSQFGKTTCLSGFIGLDVPPPMGPM 240
                   **:*. * : .**:*:. *.** :. . :** *:*** ** *****:*.:** ** *:.:

H.sapiens          WILGDVFIGRYTTFDRDNNRVGFAEAAARL 244
M.rosenbergii     WILGDVFIGRFYTEFDMENNRVGFATAA-- 268
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