

CLUSTAL O(1.2.3) multiple sequence alignment

AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	MLIVMMLIRCATNTNHRI MFRSTRRFTNWISNKTKLKPDTDVFFLLDYFLVLSGVQLLTKNGYLRTAWNVYRTLLGV MFCSIKTRFTEWWKHLTKLKPGRDSFFLLDYFLVLAGIHLLTRNGYLRTVWNFYRALLFI
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	QVILITRKIWSIFQTEDNFQLISNSLHMCVGFSIIFTRIFFIVRSFKQGTVIDDRHEARALTRAD
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	VNGV-RCFVNQRKFRADDPAAFAIRQRTYANTINITIAMILNCFVQTVIVLFTDLAN IIIIDTRRPAVNVMRKFRADDPAAFAIRQRTYANTINITIAMILNCFVQTVIVLFTDLANIKIV-RRFVNERKFKADDSFAMTVRQNTYNNTIIVTVVMILNCVVQSGMILFTELGEVNSI-RNLVNRREFQANDPTAMAIRQSAFNNAIFVTLFMAMNSLTQTFMVLFTDLGK
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	SESLQLPFYHRRTDSESLQLPFYLTGVSSLENNLLEKIHSGMFSVYVYFASTNFLAVFLPLSTLKAEMEVVGDA AESLLLPFYLEGLSSSENRIIQKLYSGMFSVYASYASTNFLAVYLPMSTLKVELKVVVDA TESLLLPFDLVGLSSSENFILQRIYSGMFSIYVFLASTNFLAVYLPLTALKAEMRIVVYS
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	FDKIMDHVDVRMAALELNEIDEIREEQFWKILQEELTQCFIAHTAVLDKVKDLKKLTDPT FEKIVHRVDERTVGKNMQPLEDLNEAVFWEILRDELTQCIRAHGAVLARVKALKKLTDPT YSKITNQVEDRMSGLGHDAVDDSNEAHFWEILQDELTQCVRAHAAVLDKVGEFKKLSDPTMSGLGHKAVDDSNEAHFWEILQDELTQCVRAHAAVLDKVGELKKLSDPT
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	VTVVIQKLGVMAVLFSPQFDSFNTLSLEYSFRYTLECYSFCYVVSRFNEEHNGI FLMLYYMTMLFIAVGVMAVLFSPQFDSFNTLSLEYSFRYTLECYSFCYVVSRFNEEHNGI FLLLYYMTMLFIAIGVIAVLFTPKFDSFNTISLEYTFRYTMEWYVLCYLVSNFNEEHNDI FLLLYYMTMLYAAIGVIAVLFTPKLNTFNTISLEYSMRYMLECFVFCHVVSNFNEQHNNI FLLLYYMTMLYAAIGVIAVLFTPKLNTFNTISLEYSMRYMLECFVFCHVVSNFNEQHNNI
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	**: **:*******************************
AALF018937 AALF003920 AAEL017277 AALF003919 AALF018936	NKTYTLTTYFWNIKQRT NKTYTLTTYFWNIKQRT NKTYTLTTYFWNIKQRG NKTYTLTMYFWNIKKRE NKTYTLTMYFWNIKKRE ****** *****:*

**Figure S7. Alignment and phylogenetic tree of OR61**. Upper panel: section of Gene Tree Image from VectorBase (VBGT0019000009797) extracted by Comparative Tool. Lower panel: sequences alignment of *Ae. albopictus* and *Ae. aegypti* orthologs using Clustal Omega.