



Anopheles albimanus mosquito rRNA gene internal transcribed spacer 2 (ITS2) unanimity alignment & molecular taxonomy primer map

Laboratorio de Genómica Viral y Humana, Facultad de Medicina, Universidad Autónoma de San Luis Potosí, México (08/Apr/2022, v4.0)

```

1
|
Mosq-F
|
TGTGAACTGCAGGACACAT
Consensus TGTGAACTGCATGACACATGAACACCGACACGTTGAACGCATATTGCGCATTGCACGACTCAGTGCATGTACACATTTTTGAGTGCCACATTCACCGCAGAACCAACTAGCGAGGCCGCACGCACCAC
L78065 -----G-----
GU477268 **-----G-----
GU477267 **-----G-----
GU477269 **-----G-----
GU477274 **-----
GU477270 **-----
JX212820 *****
GU477271 *****

```

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131
|
Consensus CTGTGTGCGGCTAAGCTGCGTACTGATGATTTGATTGACCACACACCGGTCGATCAAGCATTGAAGGACTGTGGCGTGGTGGGTGCACCCGTGTGTTGTCGTTGCTTAATACGACTCTCTCTGGTATCAC
L78065 -----
GU477268 -----C-----
GU477267 -----A-----
GU477269 -----
GU477274 -----R-----
GU477270 -----T-----
JX212820 -----
GU477271 -----

```

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261
|
Consensus AGCCGGGGCGGGCTATCCAGTCACAATCCCCAGCGAAATGTGCAGATCAGATAGCCCCGATGTGGAGGCAAGTGGGCCTCCCTCAAAGCCCGGCTTTGTGATACACACCACGTATGAGGGAGAGAGAGA
L78065 -----A-----
GU477268 -----T-----
GU477267 -----
GU477269 -----
GU477274 -----
GU477270 -----
JX212820 -----
GU477271 -----

```



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          391                                     Mosq-R2                                     511
Consensus | CCAAACGTACCCTGAAGCAACGGCTCGCAACGGTGTGCGACTCATCGAGCGCACGATCACCCGAACCCCGATGATCAAGTGGGCTCAAATAATGTGTGACTACCCCTAAAATTTAAGCAT |
L78065     -----
GU477268  -----
GU477267  -----
GU477269  -----
GU477274  -----
GU477270  -----
JX212820  -----
GU477271  -----
          *****
          ----- *****

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Alignments prepared using ElimDupes (www.hiv.lanl.gov/content/sequence/elimdupesv2/elimdupes.html), CLUSTAL O (www.ebi.ac.uk/Tools/msa/clustalo/), EMBOSS Seqret (www.ebi.ac.uk/Tools/sfc/emboss_seqret/) and SURE v1.0 Sequence Unanimity Reformatting tool (<http://midasmap.uaslp.mx/suretool/>).