| No | Name of primer | Sequence | References |
|---|---|---|---|
| 1. | DENV-G-F | AAGGACTAGAGGTTAGAGGAGACCC | [1] |
| 2. | DENV-G-R | CGTTCTGTGCCTGGAATGATG | [1] |
| 3. | DENV-G-Probe | FAM-AACAGCATATTGACGCTGGGAGAGACCAGA-BHQ1 | [1] |
| 4. | TAGWNKUNJ-E-F | **GGCCGTCATGGTGGCGAATAA**TGGAGGAACAGAGAGACGCTAA (Tag sequence in bold) | This study |
| 5. | TAGWNKUNJ-E-R | **GGCCGTCATGGTGGCGAATAA**TGAGAGCCCAATGCTATCACAG (Tag sequence in bold) | This study |
| 6. | Tag only | GGCCGTCATGGTGGCGAATAA | [2] |
| 7. | WNKUNJ-E-F | TGGAGGAACAGAGAGACGCTAA | This study |
| 8. | WNKUNJ-E-R | TGAGAGCCCAATGCTATCACAG | This study |
| 9. | Rps17_TaqM_FW | TCCGTGGTATCTCCATCAAGCT | [3] |
| 10. | Rps17_TaqM_RV | CACTTCCGGCACGTAGTTGTC | [3] |
| 11. | Rps17-LC640 probe | LC640-CAGGAGGAGGAACGTGAGCGCAG- lowa black | [3] |
| 12. | DENV2_1-28_fw | AGTTGTTAGTCTACGTGGACCGACAAAG | This study |
| 13. | DEN25UTR-R | CCGTTGGTTATTCATCAGAGATCTGCTC | This study |
| 14. | DEN2CP-F | CGAGAGAAACCGCGTGTCAA | This study |
| 15. | DEN2CP-R | AACGAAGGAATGCCACCAGG | This study |
| 16. | DEN2-E-F | CAGGCTATGGCACTGTCACGAT | This study |
| 17. | DEN2-E-R | CCATTTGCAGCAACACCATCTC | This study |
| 18. | DEN2-NS3-F | GCCGGAGTATTGTGGGATGT | This study. |
| 19. | DEN2-NS3-R | GCTCCGATCTGCGAGTATCC | This study |
| 20 | WNKUNJ3UTR-F | TCAAGGCCCAATGTCAGACC | This study |
| 21 | WNKUNJ3UTR-R | GGGACGTTGATTCGCCTTTG | This study |
| 22. | QG-F | CCATGAAAAGATTCAGAAG | [4] |
| 23. | QGSF-R | GCTGCGATTTGTAAGGG | [4] |
| 24. | QGSF-F | GTGAGCCCCGTCCAAGG | [4] |
| 25. | aae-miR-2a-5p | ACTCTCAAAGTGGTTGTGAAA | This study |
| 26. | aae-miR-8-5p-fw | CATCTTACCGGGCAGCATTAGAAAA | This study |
| 27. | aae-miR-9a | TCTTTGGTTATCTAGCTGTATGA | This study |

| | | | |
|---|---|---|---|
| 28. | aae-miR-9b | TCTTTGGTGATTTTAGCTGTATGC | This study |
| 29. | aae-miR-9c-3p | TAAAGCTTTAGTACCAGAGGTC | This study |
| 30. | aae-miR-10 | ACCCTGTAGATCCGAATTTGTT | This study |
| 31. | aae-miR-12-5p | CTGAGTATTACATCAGGTACTGGTAA | This study |
| 32. | aae-miR-210-fw | CTTGTGCGTGTGACAACGGAAAA | This study |
| 33. | aae-miR-263b-5p-fw | CTTGGCACTGGGAGAATTCACAGAA | This study |
| 34. | aae-miR-275-3p-fw | TCAGGTACCTGAAGTAGCGCAAAAA | This study |
| 35. | aae-miR-276-5p-fw | CGAGCGAGGTATAGAGTTCCTACAAAAAA | This study |
| 36. | aae-miR-277-5p-fw | CCGTGTCAGAAGTGCATTTACAAAAAAA | This study |
| 37. | aae-miR-281-5p-fw | GAAGAGAGCTATCCGTCGACAAAAAA | This study |
| 38. | aae-miR-285 | TAGCACCATTCGAAATCAGTAC | This study |
| 39. | aae-miR-308-3p-fw | GCGGAATCACAGGAGTATACTGAAAAAA | This study |
| 40. | aae-miR-309a-fw | TCACTGGGCAAAGTTTGTCGCA | This study |
| 41. | aae-miR-965 | TAAGCGTATAGCTTTTCCCATT | This study |
| 42. | aae-miR-970-fw | GTCATAAGACACACGCGGCTATAAAAA | This study |
| 43. | aae-miR-981 | TTCGTTGTCGACGAAACCTGCA | This study |
| 44. | aae-miR-988-5p-fw | CGTGTGCTTTGTGACAATGAGAAAAA | This study |
| 45. | aae-miR-989-fw | GCTGTGATGTGACGTAGTGGTACAAAAAA | This study |
| 46. | aae-miR-998 | TAGCACCATGAGATTCAGC | This study |
| 47. | aae-miR-1891-fw | GCTGAGGAGTTAATTTGCGTGTTTAAAAA | This study |
| 48. | Aae-mir-2940-5p-fw | CTGGTTTATCTTATCTGTCGAGGCAAAA | This study |
| 49. | aae-miR-2941-2-fw | CTAGTACGGCTAGAACTCCACGGAAAA | This study |
| 50. | aae-miR-2943-1-fw | GTTAAGTAGGCACTTGCAGGCAAAAA | This study |
| 51. | aae-miR-2945-3p-fw | CGTGACTAGAGGCAGACTCGTTTAAAAAA | This study |
| 52. | aae-bantam-3p | TGAGATCATTTTGAAAGCTGAT | This study |
| 53. | aae-let-7-fw | GCGTGAGGTAGTTGGTTGTATAGTAAAAAA | This study |
| 54. | aae-XRN1-F | ACGGGAACTACTCGGTCGTA | This study |
| 55. | aae-XRN1-R | GTTCTCCCGTGGTTCACGAT | This study |
| 56. | aae-ECR-F | GATCTATCGCCTTCCAGCAG | This study |
| 57. | aae-ECR-R | GCAGGTGAGGGCATTGTAGT | This study |

| | | | |
|---|---|---|---|
| 58. | aae-La-F | GATCAGCGAGGACCGTGAAA | This study |
| 59. | aae-La-R | CGCTCATCTGAGTACCCTCC | This study |
| 60. | WNKUNJ3UTR-F | TCAAGGCCCAATGTCAGACC | This study |
| 61. | WNKUNJ3UTR-R | GGGACGTTGATTCGCCTTTG | This study |
| 62. | TM513_F | CAAATTGCTCTTGTCCTGTGG | [5] |
| 63. | TM513_R | GGGTGTTAAGCAGAGTTACGG | [5] |
| 64. | TM513 Probe | Cy5-TGAAATGGAAAAATTGGCGAGGTGTAGG-BHQ3 | [5] |
| 65. | AA-actin-F | GACTACCTGATGAAGATCCTGAC | [6] |
| 66. | AA-actin-R | GCACAGCTTCTCCTTAATGTCAC | [6] |

**References**


1. Warrilow D, Northill JA, Pyke A, Smith GA. Single rapid TaqMan fluorogenic probe based PCR assay that detects all four dengue serotypes. Journal of medical virology. 2002;66(4):524-8. PubMed PMID: 11857532.
2. Tay MY, Saw WG, Zhao Y, Chan KW, Singh D, Chong Y, et al. The C-terminal 50 amino acid residues of dengue NS3 protein are important for NS3-NS5 interaction and viral replication. The Journal of biological chemistry. 2015;290(4):2379-94. doi: 10.1074/jbc.M114.607341. PubMed PMID: 25488659; PubMed Central PMCID: PMC4303688.
3. Joubert DA, Walker T, Carrington LB, De Bruyne JT, Kien DH, Hoang Nle T, et al. Establishment of a Wolbachia Superinfection in Aedes aegypti Mosquitoes as a Potential Approach for Future Resistance Management. PLoS pathogens. 2016;12(2):e1005434. doi: 10.1371/journal.ppat.1005434. PubMed PMID: 26891349; PubMed Central PMCID: PMCPMC4758728.
4. Bidet K, Dadlani D, Garcia-Blanco MA. G3BP1, G3BP2 and CAPRIN1 are required for translation of interferon stimulated mRNAs and are targeted by a dengue virus non-coding RNA. PLoS pathogens. 2014;10(7):e1004242. doi: 10.1371/journal.ppat.1004242. PubMed PMID: 24992036; PubMed Central PMCID: PMC4081823.
5. Joubert DA, O'Neill SL. Comparison of Stable and Transient Wolbachia Infection Models in Aedes aegypti to Block Dengue and West Nile Viruses. PLoS neglected tropical diseases. 2017;11(1):e0005275. doi: 10.1371/journal.pntd.0005275. PubMed PMID: 28052065; PubMed Central PMCID: PMCPMC5241016.
6. Kwon H, Lu HL, Longnecker MT, Pietrantonio PV. Role in diuresis of a calcitonin receptor (GPRCAL1) expressed in a distal-proximal gradient in renal organs of the mosquito Aedes aegypti (L.). PloS one. 2012;7(11):e50374. doi: 10.1371/journal.pone.0050374. PubMed PMID: 23209727; PubMed Central PMCID: PMCPMC3510207.