

Table 1. List of primers used in this study.

a- Primers for qPCR analysis for D7 salivary genes from *An. gambiae*.

Gene ID	Genes name	Forward sequence	Reverse sequence	Amplicon size (bp)
AGAP008278	<i>D7l1</i> : D7 long form salivary protein 1	5' TGTGTGTTCCGTGGT TTTCG 3'	5' TCA GGC TCC AGG TCA CTC TT 3'	101
AGAP008279	<i>D7l2</i> : D7 long form salivary protein 2	5' ACT GAT CGG TCT GCA ACT CT 3'	5' TCT CCA GCA TTG ATA GAA GCG A 3'	150
AGAP028120	<i>D7l3</i> : D7 long form salivary protein 3	5' TAC GGA GGC AAT GGA AAG GC 3'	5' TCT GGC ACA CTC TTC AAT GGA 3'	151
AGAP008284	<i>D7r1</i> : D7 salivary related protein 1	5' CGT TAT GAA GGC GCT CGA TT 3'	5' GTC ATG CTT CCG GTC CTT CT 3'	100
AGAP008282	<i>D7r2</i> : D7 salivary related protein 2	5' AGT ACA CGC CCG TTA GCA G 3'	5' TTG GCC GCA TGA TTG ACG C 3'	149
AGAP028120	<i>D7r3</i> : D7 salivary related protein 3	5' CGT GCA AGG GAA AGA TAT GGAC3'	5' CAT TTT CAG CAC CAA GAA GC 3'	112
AGAP008281	<i>D7r4</i> : D7 salivary related protein 4	5' TGA GGA TGG TCG TGG AGA TT 3'	5' TGT CGG GAC TTG TAC GCA TT 3'	118
AGAP008280	<i>D7r5</i> : D7 salivary related protein5	5' GTG CGG CAG TAT CGT GTA AC 3'	5' TCC AGT GCT GCT AGA ACG TT 3'	125
AGAP009945	<i>GADPH</i> : Glyceraldehyde-3-phosphate deshydrogenase	5' CTG CAA AAA GTC GAT ACC GC 3'	5' CCT CGT ACA CGT ACA TCG TGA 3'	102
AGAP010592	<i>RSP7</i> : 40S Ribosomal protein S7	5' AGA ACC AGC AGA CCA CCA TC 3'	5' GCT GCA AAC TTC GGC TAT TC 3'	98

b- Primers for qPCR analysis for D7 salivary genes from *An. funestus*.

Gene ID	Gene name	Forward sequence	Reverse sequence	Amplicon size (bp)
AFUN007416	<i>D7L</i> : D7 long form salivary protein	5' CGCATGTATATCCGTGGCTTTC 3'	5'CCTGGAAGCTGCATTAAACGATT3'	109
AFUN016457	<i>D7r1</i> : D7 salivary related protein 1	5' CCAGTAGGTAAACGAGCGAATG 3'	5'CAGCTTCTCTACTGCACCACT 3'	150
AFUN016455	<i>D7r2</i> : D7 salivary related protein 2	5'GCGAACACCTTCTATACGTGC 3'	5'ACGGATCACTCAGTCGCATC 3'	112
AFUN016454	<i>D7r3</i> : D7 salivary related protein 3	5'ACCTTCTATACGTGCTTCTTGGG 3'	5'ACGGATCACTCAGTCGCATC 3'	106
AFUN016456	<i>D7r4</i> : D7 salivary related protein 4	5'AGGAATTGGTGAAGGCTGGA 3'	5'CTTCTCACTTCCGACGGC 3'	150
AFUN006819	Act: Actin 5C	5'TTAAACCCAAAAGCCAATCG 3'	5' TCCGAGTTCATTTCCAGCTC 3'	111
AFUN007153	<i>RSP7</i> : 40S Ribosomal protein S7	5' GTGTTCCGTTCCAAGGTGAT 3'	5' TCCGAGTTCATTTCCAGCTC 3'	98

c- Primers used for *An. funestus* D7r3 and D7r4 DNA amplification and sequencing.

Gene ID	Gene name	Forward sequence	Reverse sequence
AFUN016454	<i>D7r3</i> : D7 salivary related protein 3	5' GGTGTATCCTCTCTTTAGTGA 3'	5' TTGTACAACAGAAGCAAGGG 3'
AFUN016456	<i>D7r4</i> : D7 salivary related protein 4	5' ACACATATCCCGTAGAGACA 3'	5' CAGATTAAGTCGTCCCATG 3'