

<i>9M6v1</i> (SP)	1: ATGGTTTTGTTGGACTTGCTTGTTGTTCTGATTCCGATCGTTTCGTATCTGCTCTACCGA	60
<i>9M6v2</i> (SP)	1: -----	60
<i>9M6v3</i> (SMK)	1: -----T	60
<i>9M6v4</i> (SMK)	1: -----T	60
<i>9M6v5</i> (SMK)	1: -----T	60
<i>9M6v1</i> (SP)	61: TGGGCAGTGGCCACCTACGATTTTTTTGAAAAGCGAAAATTCCTATGTGAAACCCTAC	120
<i>9M6v2</i> (SP)	61: -----A-----	120
<i>9M6v3</i> (SMK)	61: -----	120
<i>9M6v4</i> (SMK)	61: -----	120
<i>9M6v5</i> (SMK)	61: -----	120
<i>9M6v1</i> (SP)	121: CCGTTTGTTGGGGGATTGTGGCCGGTGTCTCCGGGAAGCTCCATCCAACCGATGCCGCC	180
<i>9M6v2</i> (SP)	121: -----	180
<i>9M6v3</i> (SMK)	121: -----	180
<i>9M6v4</i> (SMK)	121: -----	180
<i>9M6v5</i> (SMK)	121: -----	180
<i>9M6v1</i> (SP)	181: GTTTTGGGGTACAACCTGTTCCCGGAGAATCGCTTCTCGGGATTTTCGCATTCCGTCCG	240
<i>9M6v2</i> (SP)	181: -----G-----	240
<i>9M6v3</i> (SMK)	181: -----G-----	240
<i>9M6v4</i> (SMK)	181: -----G-----	240
<i>9M6v5</i> (SMK)	181: -----G-----	240

<i>9M6v1</i> (SP)	241 : CCGGGATATCTTATCCAGGATCCAGCGCTGGCGAAACAGATTATGATCAAGGATTTGAT	300
<i>9M6v2</i> (SP)	241 : -----	300
<i>9M6v3</i> (SMK)	241 : -----A-----	300
<i>9M6v4</i> (SMK)	241 : -----	300
<i>9M6v5</i> (SMK)	241 : -----	300
<i>9M6v1</i> (SP)	301 : CATTTCACCGACCATATGAATACGATTTGGTGGATGTGGACCCATTTTCGGGCGGGCA	360
<i>9M6v2</i> (SP)	301 : --C---T--T-----T-----T-----	360
<i>9M6v3</i> (SMK)	301 : -----T--T-----T-----T-----	360
<i>9M6v4</i> (SMK)	301 : --C---T--T-----T-----T-----	360
<i>9M6v5</i> (SMK)	301 : -----T--T-----T-----T-----	360
<i>9M6v1</i> (SP)	361 : CTGTTCTTCATGGATGGACAAAGATGGCGACATGGACGGTCAGGGCTAAGTCCGGCATT	420
<i>9M6v2</i> (SP)	361 : -----T-----C-----T-----T-----	420
<i>9M6v3</i> (SMK)	361 : -----T-----C-----T-----A--T-----	420
<i>9M6v4</i> (SMK)	361 : -----T-----C-----T-----T-----	420
<i>9M6v5</i> (SMK)	361 : -----A--T-----A-----	420
<i>9M6v1</i> (SP)	421 : ACGGGAAGCAAGATGAGGAACATGTTCACTTTGCTATCCAAGTATGTCGAAGGGGCCATG	480
<i>9M6v2</i> (SP)	421 : -----T-----	480
<i>9M6v3</i> (SMK)	421 : -----	480
<i>9M6v4</i> (SMK)	421 : -----T-----	480
<i>9M6v5</i> (SMK)	421 : -----T-----	480

9M6v1 (SP) 481 : CAGCGGTTGGCTCAAGATGCCGGACAAAGGAAGATGGAGCTGGAGGTACGTGATCTGTTT 540

9M6v2 (SP) 481 : ----- G ----- A ----- 540

9M6v3 (SMK) 481 : ----- G ----- A ----- 540

9M6v4 (SMK) 481 : ----- G ----- A ----- 540

9M6v5 (SMK) 481 : ----- G ----- A ----- 540

9M6v1 (SP) 541 : CAAAAGCTTGGCAATGACATCATCACGT  CGATTTTCGTTTGGCGTAGAAATCGATT  TCGGTG 600

9M6v2 (SP) 541 : ----- 600

9M6v3 (SMK) 541 : ----- 600

9M6v4 (SMK) 541 : ----- 600

9M6v5 (SMK) 541 : ----- 600

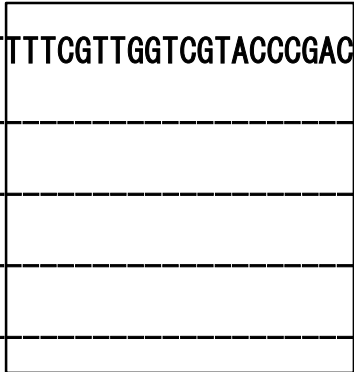
9M6v1 (SP) 601 :  CACAATCCAAACAACGAGTTTTTCAAAGGGGAAAGCAGTTGGCAGCCACTGGTGGTTTT 660

9M6v2 (SP) 601 : ----- 660

9M6v3 (SMK) 601 : ----- 660

9M6v4 (SMK) 601 : ----- A ----- 660

9M6v5 (SMK) 601 : ----- 660

9M6v1 (SP) 661 : CAGGGACTTAAATTTTTCT  TTCGTTGGTCGTACCCGACAGCGTTTTCAAAC TATTCGGG 720

9M6v2 (SP) 661 : ----- 720

9M6v3 (SMK) 661 : ----- G ----- 720

9M6v4 (SMK) 661 : ----- 720

9M6v5 (SMK) 661 : ----- G ----- 720

9M6v1 (SP) 721: ATTCGATTCTACCCAAAGAAGCGGCTGATTTTTATGTTGATGTCGTATCGAAAACATC 780

9M6v2 (SP) 721: -----G----- 780

9M6v3 (SMK) 721: -----G-----C-----A----- 780

9M6v4 (SMK) 721: -----G-----A----- 780

9M6v5 (SMK) 721: -----G-----C-----A----- 780

9M6v1 (SP) 781: AAGCATCGCGAAGAGTACAAAATTGTTGACCAGATTTTATTCATTTGTTGTTACAAGCT 840

9M6v2 (SP) 781: ----- 840

9M6v3 (SMK) 781: ----- 840

9M6v4 (SMK) 781: ----- 840

9M6v5 (SMK) 781: ----- 840

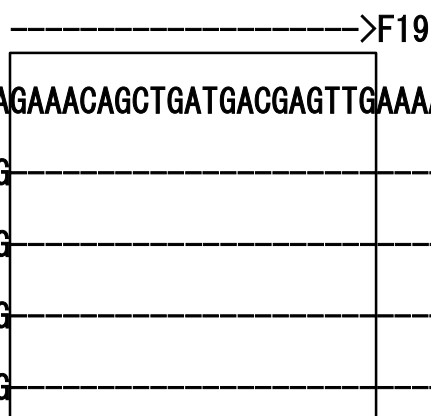
9M6v1 (SP) 841: CGTAAAAACGAACTAAAAGAAGAAACAGCTGATGACGAGTTGAAAAGTGCCGGATTTACC 900

9M6v2 (SP) 841: -----G----- 900

9M6v3 (SMK) 841: -----G-----A 900

9M6v4 (SMK) 841: -----G----- 900

9M6v5 (SMK) 841: -----G----- 900



9M6v1 (SP) 901: ACTGTTGAGGAACACATAGAAGCTTCTACAGAGAACAGCCAATATACGGATTTGGACATC 960

9M6v2 (SP) 901: -----G-----G----- 960

9M6v3 (SMK) 901: -----A-----G-----T----- 960

9M6v4 (SMK) 901: -----G-----G----- 960

9M6v5 (SMK) 901: -----G-----G-----T-----T----- 960

*9M6v1*(SP) 961: ACAGCGGTCGCTGCCTCATTCTTCTTTGGAGGCATTGAAACGACTACCACGATGCTATGC 1020  
*9M6v2*(SP) 961: -----T-----A----- 1020  
*9M6v3*(SMK) 961: -----A----- 1020  
*9M6v4*(SMK) 961: -----T-----A----- 1020  
*9M6v5*(SMK) 961: -----A----- 1020

*9M6v1*(SP) 1021: TTCGCTCTATACGAGCTTGCAGGAAATAAAGAAGTTCAACAAAACTTCAAGCCGAAATT 1080  
*9M6v2*(SP) 1021: -----A--A-----G--A----- 1080  
*9M6v3*(SMK) 1021: ----- 1080  
*9M6v4*(SMK) 1021: -----A-----T----- 1080  
*9M6v5*(SMK) 1021: ----- 1080

*9M6v1*(SP) 1081: GATTCCGTCAGAAAAGAGCTGGGAGAAGGTAGTTTGACATACGAGGTGCTCCAAAAGATG 1140  
*9M6v2*(SP) 1081: ---A-G-G---C---A-----A---G-A--- 1140  
*9M6v3*(SMK) 1081: ---G---C-----G--- 1140  
*9M6v4*(SMK) 1081: ---G---C---C-----G--- 1140  
*9M6v5*(SMK) 1081: ---G-A---C-----G--- 1140

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 ----->  
*9M6v1*(SP) 1141: AAGTACCTCGACATGGTCGTAACGGAAACCTTACGGCGATGGCCACCCCTGGGGATAACC 1200  
*9M6v2*(SP) 1141: --A--A-T----- 1200  
*9M6v3*(SMK) 1141: -----A-----A----- 1200  
*9M6v4*(SMK) 1141: ---T---T-----A----- 1200  
*9M6v5*(SMK) 1141: -----A-----A----- 1200

--->F95

--->F96

<i>9M6v1</i> (SP)	1201:	AATCGAGTATGCGTCAAACCGTACACCTTCGAGGACCATGAAGGAACTAAAGTAACCATC	1260
<i>9M6v2</i> (SP)	1201:		1260
<i>9M6v3</i> (SMK)	1201:	C	1260
<i>9M6v4</i> (SMK)	1201:	C	1260
<i>9M6v5</i> (SMK)	1201:	C	1260

<-----R97

<i>9M6v1</i> (SP)	1261:	GAAAAGGGTCAACTCATCCAGATTCCAGTTCAGTCGTTCCATCGCGATCCCAACTTCTTC	1320
<i>9M6v2</i> (SP)	1261:		1320
<i>9M6v3</i> (SMK)	1261:		1320
<i>9M6v4</i> (SMK)	1261:		1320
<i>9M6v5</i> (SMK)	1261:		1320

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<i>9M6v1</i> (SP)	1321:	CCCGATCCGTACCGTTTCGATCCGGAGCGGTTCTCCGAAGAGAACAACACAAAATCAAT	1380
<i>9M6v2</i> (SP)	1321:		1380
<i>9M6v3</i> (SMK)	1321:		1380
<i>9M6v4</i> (SMK)	1321:	A	1380
<i>9M6v5</i> (SMK)	1321:		1380

<-----R64

<i>9M6v1</i> (SP)	1381:	CAGGATGCCTTCTTGCCGTTTGGAAAGTGGACCTCGGAACTGTATCGGCTCGAGGCTGGCG	1440	
<i>9M6v2</i> (SP)	1381:		1440	
<i>9M6v3</i> (SMK)	1381:		1440	
<i>9M6v4</i> (SMK)	1381:	C	T	1440
<i>9M6v5</i> (SMK)	1381:		A	1440

<i>9M6v1</i> (SP)	1441 : CTGATGCAAGCCAAATGTTTGCTGTACTATTTGTTTCAGTGCTTTTTTCGCTGGAGTATTCC	1500
<i>9M6v2</i> (SP)	1441 : -----	1500
<i>9M6v3</i> (SMK)	1441 : -----	1500
<i>9M6v4</i> (SMK)	1441 : -----	1500
<i>9M6v5</i> (SMK)	1441 : -----	1500
<i>9M6v1</i> (SP)	1501 : GACAAGATGGACGTGCCGATCAAGCTGAACAAGATGTCGCTGACGTATACGGCGAAGAAT	1560
<i>9M6v2</i> (SP)	1501 : -----	1560
<i>9M6v3</i> (SMK)	1501 : -----A-----	1560
<i>9M6v4</i> (SMK)	1501 : -----	1560
<i>9M6v5</i> (SMK)	1501 : -----A-----	1560
<i>9M6v1</i> (SP)	1561 : GGATTTTGGTTCAATTTGCTGCCGAAAAAAGTGGCTGTGTAA	1602
<i>9M6v2</i> (SP)	1561 : -----AG-----G-----	1602
<i>9M6v3</i> (SMK)	1561 : -----AG-A-----G-----	1602
<i>9M6v4</i> (SMK)	1561 : -----G-----	1602
<i>9M6v5</i> (SMK)	1561 : -----AG-A-----G-----	1602

**Figure S2** Multiple alignments of *CYP9M6* cDNA sequences identified from SP and SMK strains of *Aedes aegypti*. Hyphens indicate identical nucleotides to the sequence of *CYP9M6v1* (SP). *CYP9M6v1* and *v2* are identified from SP strain. *CYP9M6v3*, *v4*, and *v5* were identified from SMK strain. Primers used for genotyping were also indicated. For the deduced amino acid sequences, see Figure S4.