**Additional file 2**

**Additional file 2: Figure S1.** Gel electrophoresis of AS-PCR products corresponding to the *Ae. aegypti* sodium channel gene mutation. **a** F1534C mutation: each of the three genotypes is shown. Lane 1: ultra-low range DNA ladder; Lane 2: wild-type homozygous (FF); Lane 3: heterozygous (FC); Lane 4: mutant homozygous (CC); Lane 5: negative control. **b** V1016G mutation: Lane 1: ultra-low range DNA ladder marker; Lane 2: mutant homozygous (GG); Lane 3: heterozygous (VG); Lane 4: wild-type homozygous (VV); Lane 5: negative control. **c** S989P mutation: Lane 1: 100 bp DNA ladder marker; Lanes 2, 3: wild-type homozygous (SS); Lanes 4, 5: heterozygous (SP); Lanes 6, 7: mutant homozygous (PP); Lanes 8, 9: negative control.



**Additional file 2: Figure S2.** Genotype sequence of V1016G mutation.



**Additional file 2: Figure S3.** Genotype sequence of S989P mutation.



**Additional file 2: Figure S4.** Genotype sequence of F1534C mutation.

