

**Table 4 Frequency of the S989P, V1016G and F1534C mutations in resistant mosquitoes for cyfluthrin, permethrin and lambda-cyhalothrin**

Insecticide	No. of samples	Mutation											
		S989P (%)				V1016G (%)				F1534C (%)			
		SS + ND	RS	RR	R	SS + ND	RS	RR	R	SS + ND	RS	RR	R
Cyfluthrin	0	0	0	0	0	0	0	0	0	0	0	0	0
Permethrin	16	81.2	0.0	18.8	18.8	0.0	0.0	100.0	100	0.0	0.0	100	100
Lambda-Cyhalothrin	18	39	5.5	55.5	58.3	0.0	5.6	94.4	97.2	0.0	5.6	94.4	97.2

*SS* = susceptible homozygote; *ND* = not detected; *RS* = mutant heterozygote; *RR* = resistant mutant homozygote; *R* = mutation frequencies.