

Table S1. Primers used for kdr screening and CNV detection

accession number	primer name	gene target	fragment (bp)	sequence 5' - 3'	hybridation temperature(°C)
AAEL006019	Gly1016f	V1016G	60	ACCGACAAATT GTTTCCC	60
	Val1016r	kdr		GCGGGCAGCAAGGCTAAGAAAAGGTTAATTA	60
	Gly1016r	mutation on VGSC gene	80	GCGGGCAGGGCGGCGGGGGCGGGGCCAGCAAGGCTAAGAAAAGGTTAACTC	60
EU259811	CP –r	F1534C	93	TCTGCTCGTTGAAGTTGTCGAT	60
	F1534f	kdr		GCGGGCTCTACTTTGTGTTCTTCATCATATT	60
	C1534f	mutation on VGSC gene	113	GCGGGCAGGGCGGCGGGGGCGGGGCCTCTACTTTGTGTTCTTCATCATGTG	60
AAEL003844		CCEAE3A	130	TCTAAGAAACCCGAATATGACGTTGAGGAGGCACGAACAG	54
AAEL014617		CYP9J28	197	CTATTTGAGAGTCCTAGTGGCCCTTTGACTCCTCGGTACTTGTCG	60
AAEL014614		CYP9Jlike	121	GGAAGCGTTGAGCATGTGTGAAGTGTGAAACCGTGGGGTC	60
AAEL014893		CYP6BB2	143	AGTTCAAGGGCCGAGGATTGCGGATCCACGAAAATTCCGC	60
AAEL014891		CYP6P12	152	TTCACCTTCAGCGAAGACCCGATTAGGTGCGGCGTCCTTA	60
AAEL007808		CYP4D39	132	AGTCCTGGAAGTTCTGCACGAAGGCGACTTTCCGACGAAT	60