

Additional file 12: Specific qPCR primer pairs

Se- quence type	Markers	primer	Primer sequence 5' → 3'	Leng th (bp)	Region of amplicon	Tm of amplicon (°C)
Single copy genes	<i>RAG1</i>	RAG1F23 RAG1R458	AGCCAGCTCTCAAGAATGTGTC GTGAGTGTCTCATGGTCTGACT	457	RAG1	86.0
	<i>Rhodopsin</i>	RhodoF193 RhodoR563	CCNTATGAATAYCCTCAGTACTACC GTGATCCTCCCCGAAGCG	396	Rhodo_N 7TM-GPCR	86.5
DIRS1	<i>YNotoJ</i>	DJF226 DJR676	CGGGAACAGGCAATGTTTTG TCCGTGAACACTGTGATGT	475	RT/RH	89.0
	<i>YNotoV</i>	DVF229 DVR656	GAAGTNGCTTTACAGACGGTACA GTGACGTAACCTTGCCCAGG	447	RT/RH	88.5
	<i>YNotoR/B</i>	DRBF185 DRBR696	GCCGTATCTAGACRACTGGC CCCACCCASAGAGACATGC	530	RT/RH	89.3
<i>Gypsy</i>	<i>GyNotoA</i>	GF1all GR480g1	GACGGAGAAGTGCGAGTTTC CCAACGCCAACTTGACTGCT	503	RT/RH	88.0
	<i>GyNotoE</i>	GyNotoEF330 GyNotoER785	TTGACGCTTCWGATGTGGGCG RACCCTCTCCTCAATGTCCCA	452	RT/RH	86.5
<i>Copia</i>	<i>CoNotoB</i>	HydraF951 HydraR1391	ACAATATCGTGAAGTGGTAGGCA TGACCCTCACTRTCCATGCTCT	431	RT/RH	83.5