

Additional file 11: Specific PCR primers used to amplify retroelements in nototheniid genomes (complement of Additional file 9).

	TE	Primer	Primer sequence 5' → 3'	Fragment size (kb)
spe*	<u>Gypsy</u>	GS1	ATGGGTAGAGGCTGAAGCAA	1.3
		GS2	GGAACCTTCCCTGGTGT	
		GS3	TCCACGGAAATGTATGACCA	
spe	<u>Gypsy</u>	GS4	GACGGAGAAGTGCGAGTTTC	1.6
		GS5	ATTGGCACAATGGAAAGGAG	
		GS6	GACGGAGAAGTGCGAGTTTC	1.5
		GS7	ATTGGCACAATGGAAAGGAG	
		GSA1	GGGTCAAGGAAGTGTGGAGA	1.5
		GSA2	CTCCACCCAMAGGAGTTGTT	
		GSB1	CCAGGAAGAAGGTYCARCAG	1.5
		GSB2	RCTCCAGGTRKTCTGGTTCYG	
		GSE1	CACGTTTCCACCGTCTTT	1.5
		GSEF2	CTGAAATGGGGAAAGACCAG	
		GSF1	AGGTGGGGGAGTATGTTGCT	0.6
		GSH1	TGTCAACGAGGACACTCAGG	
		GSH2	CAAACGGGGAGAGACCAGTA	0.6
		GSI1	TGCTTAACCCACAACATCAGA	
		GSI2	AAATGGGGAGAAACCTGTCC	0.5
		GSJ1	AGGCTGAAGCAAGCAGGTTA	
		GSJ2	TAGAGGGGTTACGGTCAACG	1.5
		GSRT1	CTAAGGGATGAGTGCTGCTC	
		GSRT2	GAAGGACGAAGGGCAAA	0.6
		HS1	GCCCAGATATGGTTGCAAAAGG	
spe	<u>Copia</u>	HS2	TGACCCTCACTRTCCATGCTCT	1.1
	<u>Hydra</u>	DSB1	CTCTCCCTCTCTCCAAGGGT	
	<u>DIRS1</u>	DSB2	CATYGGGCTGGTCACCTCTG	1.0
		DSR1	CATCCARTATATTATCCAC	
		DSR2	CGCATTGAAAAGAACAGCTG	1.1
		DSJ1	TTCAGCAAATGTGTGGCCA	
		DSJ2	CGTGTGCAAACGCGTCCAC	1.1
		DSV1	CTGGCTCCTCGCACTTTTTC	
		DSV2	GCGCGTTCTCGCGTGCAGC	1.0

spe*: specific primers coupled with spe-deg primer (Additional file 10) for the “TE walking”.

spe: specific primer pairs used to amplify the different families of *DIRS1*, *Gypsy* and *Copia* TEs.