

Additional file 9 : Table S3. The presence of genes in *Helentron* families identified in this study or previously described in the literature.

	Organism	Zn finger	Rep	Helicase	Endonuc lease	OTU	SET Domain	Histone 2A *	RPA	Transme brane protein *
1	<i>Danio rerio</i> (Zebrafish), <i>Sphoeroides nephelus</i> (Pufferfish) <i>Ciona intestinalis</i> <i>C. savignyi</i> , <i>Gasterosteus aculeatus</i> (stickleback fish), <i>Strongylocentrotus</i> <i>purpuratus</i> (Sea urchin),	+	+	+	+	-	-	-	-	-
2	<i>Xiphophorus maculatus</i> , (Platyfish) <i>Oryzias latipes</i> (Medaka), <i>S. purpuratus</i> , <i>Branchiostoma floridae</i> (lancelet) , <i>D. rerio</i>	+	+	+	+	+	-	-	-	-
3	<i>Phytophthora infestans</i>	+	+	+	-	-	+	-	-	+
4	<i>Metaseiulus occidentalis</i>	+	+	+	+	-	-	-	+	-
5	<i>Nematostella vectens</i>	+	+	+	+	+	-	-	+	-
6	<i>Culex quinquefasciatus</i>	-	+	+	+	-	-	+	-	-
7	<i>Drosophila ananassae</i> , <i>D. willistoni</i>	+	+	+	+	-	-	-	-	-
8	<i>Xenopus tropicalis</i> (Frog)	+	+	+	+	+	-	-	-	-
9	<i>Chionodraco hamatus</i> (Ice fish), Nototheniid fishes, Bathydraconids fishes	+	+	+	+	+	-	-	-	-

* Denotes a possible gene capture, only found in one *Helentron* family. 1& 2 from Poulter *et al.* 2003, Zhou *et al.* 2006, 5&8 Kapitonov and Jurka 2007, 9. Cocca *et al.* 2011. 3,4,5,6 This study.