

Additional file 1. *mariner and rosa* transposases sequences used as queries in the tBLASTN search (Species, Clades, Accession number).

Transposase	Species	Clades		Accession number
		Catalytic motif	ID name	
Cbmar1	<i>Caenorhabditis briggsae</i>		<i>briggsae</i>	AC099767
Avamar	<i>Adineta vaga</i>		<i>elegans</i>	AAZ67106.1
Cemar1	<i>C. elegans</i>			NP497120.1
Gtmar1	<i>Girardia tigrina</i>		<i>cecropia</i>	CAA56763.1
Hsmar1	<i>Homo sapiens</i>			U52077
Bytmar	<i>Bythograea therydron</i>			CAD45367.1
Cpmar1	<i>Chrysoperla plorabunda</i>			AAA28265.1
Fungia	<i>Fungia sp. Kusabiraishi</i>			BAB32436.1
Himar1	<i>Haematobia irritans</i>	DD34D	<i>irritans</i>	U11642
Hsmar2	<i>H. sapiens</i>			AAC52011.1
Rfmar	<i>Rhinolophus ferrumequinum</i>			AC157888
Ammar	<i>Apis mellifera</i>		<i>mellifera</i>	AY155490
Ccmar2	<i>Ceratitis capitata</i>			AAO12864
Famar1	<i>Forficula auricularia</i>			AY155492
Desmar1	<i>Mayetiola destructor</i>			U24436
Mboumar	<i>Messor bouvieri</i>		<i>mauritiana</i>	AJ781769
Mos1	<i>Drosophila mauritiana</i>			X78906
Crmar2	<i>Ceratitis rosa</i>	DD41D	<i>rosa</i>	AAK61417.1