

Table S1 Nucleic acid MLEs references used as queries in the BLASTN search (ACcession number,Species,Group)

MLE subfamily <i>Irritans</i>		
AC.number	Species	Group
L06041	<i>Green lacewing</i>	Insect
AY601745	<i>Diachasmimorpha longicaudata</i>	Insect
AY601748	<i>Diachasmimorpha longicaudata</i>	Insect
AY601746	<i>Psytalia fletcheri</i>	Insect
U11642	<i>Haematobia irritans</i>	Insect
U11658	<i>Anopheles gambiae</i>	Insect
U11646	<i>Drosophila ananassae</i>	Insect
AB056896	<i>Adoxophyes honmai</i>	Insect
U11649	<i>Mantispa pulchella</i>	Insect
AY601743	<i>Bactrocera dorsalis</i>	Insect
GQ398105	<i>Agrilus planipennis</i>	Insect
MLE Subfamily <i>Elegans</i>		
AC.number	Species	
AJ437557.1	<i>Meloidogyne chiwoodi</i>	Nematode
DQ138261	<i>Adineta vaga</i>	Rotifer
DQ138276	<i>Adineta vaga</i>	Rotifer
AF014939.1	<i>Caenorhabditis elegans</i>	Nematode
MLE Subfamily <i>Cecropia</i>		
AC.number	Species	
M63844	<i>Hyalophora cecropia</i>	Insect
D88671	<i>Bombyx mori</i>	Insect
AB363005	<i>Bombyx mandarina</i>	Insect
AB006464	<i>Attacus atlas</i>	Insect
AB055186	<i>Hyphantria cunea</i>	Insect
AB055183	<i>Cephonodes hylas</i>	Insect
AB055185	<i>Papilio xuthus</i>	Insect
AB055187	<i>Traulia ornata</i>	Insect
AB055184	<i>Eumeta japonica</i>	Insect
AB055188	<i>Fungia sp. Kusabiraishi</i>	Fungia
AB055182	<i>Junonia almana almana</i>	Insect
AB055181	<i>Danaus chrysippus</i>	Insect
AF126011	<i>Antheraea mylitta</i>	Insect
X71979	<i>Girardia tigrina</i>	dugesiid
MLE Subfamily <i>Mellifera</i>		
AC.number	Species	
AF124047	<i>Ceratitis capitata</i>	Insect
AY155491	<i>Chymomyza amoena</i>	Insect
AY155490	<i>Apis mellifera</i>	Insect
AY155493	<i>Ceratitis capitata</i>	Insect
AY154756	<i>Epicauta funebris</i>	Insect
AY154754	<i>Apis mellifera</i>	Insect
HP496852	<i>Apis mellifera</i>	Insect
AF349133	<i>Bactrocera tryoni</i>	Insect
U08094	<i>Drosophila erecta</i>	Insect
U18308	<i>Glossina palpalis</i>	Insect
MLE Subfamily <i>Mauritiana</i>		
AC.number	Species	

M14653	<i>Drosophila mauritiana</i>	Insect
AF355143	<i>Blattella germanica</i>	Insect
X78906	<i>Drosophila mauritiana</i>	Insect
AF373028	<i>Musca domestica</i>	Insect
X89927	<i>Drosophila simulans</i>	Insect
X86159	<i>Zaprionus tuberculatus</i>	Insect
AF035566	<i>Drosophila teissieri</i>	Insect
AF465247	<i>Mamestra brassicae</i>	Insect
X86158	<i>Drosophila tsacasi</i>	Insect
AJ312712	<i>Bombus terrestris</i>	Insect
AJ312723	<i>Eupelmus vuilleti</i>	Insect
AY652423	<i>Myrmica ruginodis</i>	Insect
X73312	<i>Myrmica ruginodis</i>	Insect
EF418011	<i>Pleistodontes addicotti</i>	Insect
EF418012	<i>Pleistodontes addicotti</i>	Insect
AF51817	<i>Solenopsis richteri</i>	Insect
AF518170	<i>Solenopsis invicta</i>	Insect
AF518177	<i>Solenopsis saevissima</i>	Insect