

Supplementary Table S1. *COI* sequences of trichogrammatid species used in this study

Species	COI-Product	Origin	Accession number	Database
<i>Trichogramma cacoeciae</i>	607 bp	Canada British Columbia	KM559290	NCBI
<i>Trichogramma cacoeciae</i>	518 bp	Germany	MF624050	NCBI
<i>Trichogramma cacoeciae</i>	518 bp	Germany	DQ177917	NCBI
<i>Trichogramma chilonis</i>	518 bp	China Liaoning	DQ177915	NCBI
<i>Trichogramma chilonis</i>	627 bp	Pakistan: Islamabad	KY836727	NCBI
<i>Trichogramma dendrolimi</i>	518 bp	China Jilin	MF624057	NCBI
<i>Trichogramma embryophagum</i>	684 bp	Iran	KC488685	NCBI
<i>Trichogramma evanescens</i>	518 bp	China Beijing	MF624058	NCBI
<i>Trichogramma japonicum</i>	518 bp	China Jiangsu	MF624062	NCBI
<i>Trichogramma mwanzai</i>	654 bp	India	KP142716	NCBI
<i>Trichogramma mwanzai</i>	518 bp	Kenya	DQ177920	NCBI
<i>Trichogramma mwanzai</i>	647 bp	South Africa Mpumalanga	KMPUJ4988-19	BOLD Systems
<i>Trichogramma ostriniae</i>	518 bp	China Guangzhou	DQ177914	NCBI
<i>Trichogramma ostriniae</i>	518 bp	China Hainan	MF624063	NCBI
<i>Trichogramma platneri</i>	652 bp	USA California	KX512841	NCBI
<i>Trichogramma platneri</i>	570 bp	Canada British Columbia	KR901258	NCBI
<i>Trichogramma</i> sp.	471 bp	Zambia Lusaka	MZ7711322	NCBI
<i>Trichogrammatoidea armigera</i>	489 bp	India	KM977847	NCBI
<i>Trichogrammatoidea bactrae</i>	642 bp	India	KP142715	NCBI

<i>Trichogrammatoidea cryptophlebiae</i>	617 bp	Israel	MH102410	NCBI
<i>Trichogrammatoidea lutea</i>	472 bp	Gabon Moyen-Ogooue	GMGGJ1306-17	BOLD Systems
<i>Trichogrammatoidea lutea</i>	640 bp	South Africa Mpumalanga	KMPAN2870-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	641 bp	South Africa Mpumalanga	KMPDI3501-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	640 bp	South Africa Mpumalanga	KMPHO1838-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	646 bp	South Africa Mpumalanga	KMPHS1407-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	649 bp	South Africa Mpumalanga	KMPHU1264-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	648 bp	South Africa Mpumalanga	KMPIT110-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	641 bp	South Africa Limpopo	KMPJU341-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	647 bp	South Africa Limpopo	KMPJV1222-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	648 bp	South Africa Mpumalanga	KMPUJ6424-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	671 bp	South Africa Limpopo	KMPWD145-18	BOLD Systems
<i>Trichogrammatoidea lutea</i>	645 bp	South Africa Mpumalanga	KMPWR3001-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	645 bp	South Africa Mpumalanga	KMPWS1853-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	652 bp	South Africa Limpopo	KMPNP1457-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	648 bp	South Africa Limpopo	KMPNS1419-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	638 bp	South Africa Limpopo	KMPOR274-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	649 bp	South Africa Limpopo	KMPOU265-19	BOLD Systems
<i>Trichogrammatoidea lutea</i>	640 bp	South Africa Limpopo	KMPPK251-19	BOLD Systems
<i>Trichogrammatoidea robusta</i>	617 bp	India	KP233826	NCBI
<i>Trichogrammatoidea</i> sp.	471 bp	Zambia Lusaka	MZ7711343	NCBI