

**Table S1.** A list of the species analysed (<sup>F</sup> first records for Malta; <sup>E</sup> endemic species), including the number of specimens per species (n), haplotypic variants per species (H), the mean percentage distance within species (AvD), the maximum percentage distance within species (MxD), the accession numbers, the percentage similarity to the closest BOLD match (matches < 100% indicate that the haplotypic variant was recorded for the first time).

FAMILY Species	n	H	AvD (%)	MxD (%)	Accession numbers	Closest BOLD match (%)
<b>AUTOSTICHIDAE</b>						
<i>Apatema baixerasi</i> Vives, 2001 <sup>F</sup>	1	1	-	-	MW305784	99.3
<b>BLASTOBASIDAE</b>						
<i>Blastobasisphycidella</i> (Zeller, 1839)	3	1	0.00	0.00	MF059269	98.3
		1			MW305794	98.3
		1			MW305795	98.3
<b>COSMOPTERIGIDAE</b>						
<i>Bifascioides leucomelanella</i> (Rebel, 1916)	1	1	-	-	MW305793	99.8
<i>Pyroderces argyrogrammos</i> (Zeller, 1847)	3	1	0.42	0.63	KX399352	99.3
		2			KX399354	99.3
		3			MF059253	99.7
<b>COSSIDAE</b>						
<i>Zeuzera pyrina</i> (Linnaeus, 1761)	2	1	0.00	0.00	MW306041	97.9
		1			MW306040	97.9
<b>CRAMBIDAE</b>						
<i>Agriphila trabeatellus</i> (Herrich-Schäffer, 1848)	2	1	0.41	0.41	MF059244	99.7
		2			MW305751	99.7
<i>Ancylolomia pectinatellus</i> (Zeller, 1847)	1	1	-	-	MW305780	99.9
<i>Antigastra cataaunalis</i> (Duponchel, 1833)	3	1	0.45	0.67	MW305781	99.9
		2			MW305782	100
		3			MW305783	99.9
<i>Aporodes floralis</i> (Hübner, 1809)	3	1	0.00	0.00	KX399382	100
		1			MW305787	100
		1			MW305788	100
<i>Dolicharthria bruguieralis</i> (Duponchel, 1833)	1	1	-	-	MF059250	99.9
<i>Duponchelia fovealis</i> Zeller, 1847	5	1	0.12	0.30	MF059251	99.9
		2			MF059252	100
		3			MW305844	99.9
		2			MW305845	100
		2			MW305846	100
<i>Euchromius cambridgei</i> (Zeller, 1867)	4	1	0.45	0.67	MW305860	99.2
		2			MW305861	99.2
		1			MW305862	99.2
		2			MW305863	99.2
<i>Euchromius ocella</i> (Haworth, 1811)	8	1	0.28	0.81	MF059259	100
		2			MF059260	99.9
		1			MW305864	100
		3			MW305865	100
		3			MW305866	100
		4			MW305867	99.5
		2			MW305868	99.9
		1			MW305869	100
<i>Evergestis</i> sp.	2	1	0.15	0.15	MW305875	97.1
		2			MW305876	97.2
<i>Hellula undalis</i> (Fabricius, 1781)	5	1	0.49	0.91	MW305885	100
		2			MW305886	100
		3			MW305887	100
		4			MW305888	99.9

		2			MW305889	100
<i>Herpetogramma licarsisalis</i> (Walker, 1859)	1	1	-	-	MW305890	99.8
<i>Nomophila noctuella</i> (Denis & Schiffermuller, 1775)	3	1	0.00	0.00	KX399350	100
		1			MW305942	100
		1			MW305943	100
<i>Palpita vitrealis</i> (Rossi, 1794)	1	1	-	-	MW305953	100
<i>Spoladea recurvalis</i> (Fabricius, 1775)	1	1	-	-	MF059265	100
<i>Udea ferrugalis</i> (Hübner, 1796)	3	1	0.09	0.14	MW306027	100
		1			MW306028	100
		2			MW306029	100
<i>Uresiphita gilvata</i> (Fabricius, 1794)	1	1	-		MW306030	100
<b>EREBIDAE</b>						
<i>Clytie illunaris</i> (Hübner, 1813)	1	1	-	-	MW305831	99.9
<i>Cymbalophora pudica</i> (Esper, 1785)	3	1	0.26	0.44	KX399376	99.0
		1			MF059274	99.0
		2			MW305842	98.9
<i>Dysauxes famula</i> (Freyer, 1836)	2	1	0.36	0.36	KX399351	99.6
		2			MF059273	100
<i>Eilema caniola</i> (Hübner, 1808)	2	1	0.00	0.00	MW305847	100
		1			MW305848	100
<i>Eublemma ostrina</i> (Hübner, 1808)	1	1	-	-	MW305852	100
<i>Eublemma parva</i> (Hübner, 1808)	5	1	0.23	0.33	MW305853	99.8
		2			MW305854	100
		3			MW305855	100
		3			MW305856	100
		3			MW305857	100
<i>Eublemma scitula</i> Rambur, 1833	1	1	-	-	MW305858	99.9
<i>Eublemma</i> sp.	1	1	-	-	MW305859	99.9
<i>Hypena lividalis</i> (Hübner, 1796)	3	1	0.24	0.38	MF059271	100
		2			MW305893	100
		1			MW305894	100
<i>Hypena obsitalis</i> (Hübner, 1813)	10	1	0.14	0.39	MW305895	100
		1			MW305896	100
		2			MW305897	99.8
		3			MW305898	99.9
		4			MW305899	99.8
		1			MW305900	100
		1			MW305901	100
		5			MW305902	100
		1			MW305903	100
		1			MW305904	100
<i>Metachrostis velocior</i> (Staudinger, 1892)	3	1	0.12	0.18	MW305933	99.8
		2			MW305934	100
		2			MW305935	100
<i>Metachrostis velox</i> (Hübner, 1813)	2	1	0.57	0.57	MW305936	100
		2			MW305937	99.7
<i>Nodaria nodosalis</i> (Herrich-Schäffer, 1851)	1	1	-	-	MF059275	100
<i>Ophiusa tirhaca</i> (Cramer, 1773)	1	1	-	-	MW305950	100
<i>Orgyia trigotephras</i> Boisduval, 1829	1	1	-	-	MW305951	99.1
<i>Pechipogo plumigeralis</i> Hübner, 1825	1	1	-	-	MW305957	100
<i>Phragmatobia fuliginosa</i> (Linnaeus, 1758)	4	1	0.00	0.00	MW305966	100
		1			MW305967	100
		1			MW305968	100
		1			MW305969	100
<i>Utetheisa pulchella</i> (Linnaeus, 1758)	1	1	-	-	MW306031	100
<i>Zebeeba falsalis</i> (Herrich-Schäffer, 1839)	6	1	0.00	0.00	MF059266	100
		1			MW306035	100
		1			MW306036	100
		1			MW306037	100
		1			MW306038	100
		1			MW306039	100

<b>GELECHIIDAE</b>						
<i>Agonopterix olusatri</i> Corley & Buchner, 2019	1	1	-	-	MW305749	99.4
<i>Agonopterix subpropinquella</i> (Stainton, 1849)	1	1	-	-	MW305750	98.0
<i>Aproaerema</i> sp.	1	1	-	-	MW305789	95.3
<i>Ornativelva plutelliformis</i> (Staudinger, 1859)	1	1	-	-	MW305952	98.9
<i>Phthorimaea operculella</i> (Zeller, 1873)	4	1	0.00	0.00	KX399353	100
		1			MW305970	100
		1			MW305971	100
		1			MW305972	100
<i>Platyedra subcinerea</i> (Haworth, 1828)	6	1	0.52	0.97	MW305976	100
		2			MW305977	99.8
		3			MW305978	99.6
		4			MW305979	99.5
		5			MW305980	99.8
		1			MW305981	100
<i>Ptocheuusa paupella</i> (Zeller, 1847)	1	1	-	-	MW305998	100
<i>Tuta absoluta</i> (Meyrick, 1917)	1	1	-	-	MW306021	100
<b>GEOMETRIDAE</b>						
<i>Charissa variegata</i> (Duponchel, 1830)	5	1	0.90	1.83	MF059270	99.9
		1			MW305823	99.9
		2			MW305824	99.8
		3			MW305825	99.5
		4			MW305826	99.3
<i>Cyclophora puppillaria</i> (Hübner, 1799)	1	1	-	-	MW305841	100
<i>Epirrhoe alternata</i> (Müller, 1764)	2	1	0.00	0.00	MF059267	100
		1			MW305851	100
<i>Eucrostes indigenata</i> (de Villers, 1789)	2	1	0.19	0.19	MW305871	99.8
		2			MW305872	99.6
<i>Eupithecia centaureata</i> (Denis & Schiffermuller, 1775)	2	1	1.01	1.01	MW305873	99.7
		2			MW305874	98.9
<i>Gymnoscelis rufifasciata</i> (Haworth, 1809)	1	1	-	-	MW305878	99.8
<i>Idaea elongaria</i> (Rambur, 1833)	1	1	-	-	KX399370	99.8
<i>Idaea fractilineata</i> (Zeller, 1847)	4	1	0.39	0.67	KX399369	99.8
		2			MW305905	99.5
		3			MW305906	100
		3			MW305907	100
<i>Idaea obsoletaria</i> (Rambur, 1833)	1	1	-	-	MW305908	99.7
<i>Idaea seriata</i> (Schränk, 1802)	3	1	0.00	0.00	KX399346	99.8
		1			MW305909	99.8
		1			MW305910	99.8
<i>Isturgia pulinda</i> (Walker, 1860)	1	1	-	-	MW305911	100
<i>Menophra japygiaria</i> (Costa, 1849)	5	1	0.00	0.00	MW305927	100
		1			MW305928	100
		1			MW305929	100
		1			MW305930	100
		1			MW305931	100
<i>Phaiogramma etruscaria</i> (Zeller, 1849)	1	1	-	-	MW305961	100
<i>Phaiogramma faustinata</i> (Milliere, 1868)	1	1	-	-	MW305962	100
<i>Rhodometra sacraria</i> (Linnaeus, 1767)	6	1	0.14	0.44	KX399377	100
		1			MF059262	100
		1			MF059263	100
		2			MF059264	99.9
		1			MW306000	100
		3			MW306001	100
<i>Scopula imitaria</i> (Hübner, 1799)	2	1	0.00	0.00	MF059268	100
		1			MW306002	100
<i>Scopula minorata</i> (Boisduval, 1833)	1	1	-	-	KX399359	99.8
<i>Xanthorhoe disjunctaria</i> (de La Harpe, 1860)	1	1	-	-	MW306034	100
<b>LASIOCAMPIDAE</b>						
<i>Gastropacha quercifolia</i> (Linnaeus, 1758)	1	1	-	-	MW305877	99.7

<i>Lasiocampa</i> sp.	5	1	0.22	0.44	KX399345	97.9
		2			KX399374	98.2
		3			MW305915	98.2
		3			MW305916	98.2
		3			MW305917	98.2
<b>LYCAENIDAE</b>						
<i>Polyommatus celina</i> (Austaut, 1879)	4	1	0.33	0.44	MW305986	100
		1			MW305987	100
		2			MW305988	99.9
		3			MW305989	100
<b>MOMPHIDAE</b>						
<i>Mompha subbistrigella</i> (Haworth, 1828)	1	1	-	-	KX399364	99.8
<b>NOCTUIDAE</b>						
<i>Acontia lucida</i> (Hufnagel, 1766)	3	1	0.33	0.50	MF059276	99.9
		2			MW305744	100
		1			MW305745	99.9
<i>Agrotis biconica</i> (Hübner, 1808)	1	1	-	-	MW305753	100
<i>Agrotis ipsilon</i> (Hufnagel, 1766)	3	1	0.19	0.29	MW305754	100
		2			MW305755	100
		2			MW305756	100
<i>Agrotis lata</i> Treitschke, 1835	4	1	0.39	0.66	KX399375	99.6
		2			MW305757	99.8
		3			MW305758	100
		4			MW305759	100
<i>Agrotis puta</i> (Hübner, 1803)	5	1	0.00	0.00	MW305760	100
		1			MW305761	100
		1			MW305762	100
		1			MW305763	100
		1			MW305764	100
<i>Agrotis segetum</i> (Denis & Schiffermuller, 1775)	3	1	0.41	0.62	MF059277	99.9
		1			MW305765	99.9
		2			MW305766	100
<i>Agrotis trux</i> (Hübner, 1824)	14	1	0.24	0.50	KX399373	99.5
		2			MW305767	99.7
		3			MW305768	99.7
		3			MW305769	99.7
		4			MW305770	99.7
		2			MW305771	99.7
		3			MW305772	99.7
		5			MW305773	99.7
		3			MW305774	99.7
		2			MW305775	99.5
		6			MW305776	99.7
		3			MW305777	99.7
		4			MW305778	99.7
		2			MW305779	99.7
<i>Anarta trifolii</i> (Hufnagel, 1766)	1	1	-	-	MW305880	100
<i>Autographa gamma</i> (Linnaeus, 1758)	3	1	0.29	0.43	MW305790	100
		1			MW305791	99.8
		2			MW305792	99.8
<i>Callopistria latreillei</i> (Duponchel, 1827)	1	1	-	-	MW305811	99.5
<i>Caradrina clavipalpis</i> (Scopoli, 1763)	3	1	0.00	0.00	MW305812	100
		1			MW305813	100
		1			MW305814	100
<i>Caradrina flava</i> Oberthur, 1876	2	1	0.00	0.00	MW305815	100
		1			MW305816	100
<i>Caradrina flavirena</i> Guenee, 1852	6	1	0.00	0.00	MF059278	100
		1			MW305817	100

		1			MW305818	100
		1			MW305819	100
		1			MW305820	100
		1			MW305821	100
<i>Chrysodeixis chalcites</i> (Esper, 1789)	3	1	0.00	0.00	MW305827	100
		1			MW305828	100
		1			MW305829	100
<i>Condica viscosa</i> (Freyer, 1831)	1	1	-	-	MW305835	100
<i>Cryphia algae</i> (Fabricius, 1775)	5	1	0.07	0.17	MW305836	99.7
		2			MW305837	99.9
		2			MW305838	99.9
		2			MW305839	99.9
		2			MW305840	99.9
<i>Hadena sancta</i> (Hübner, 1822)	2	1	-	-	MF059279	99.4
		1			MW305879	99.4
<i>Heliothis peltigera</i> (Denis & Schiffermuller, 1775)	5	1	0.14	0.29	KX399379	100
		2			MW305881	100
		3			MW305882	100
		2			MW305883	100
		2			MW305884	100
<i>Leucania putrescens vallettai</i> Boursin, 1952 <sup>E</sup>	2	1	0.33	0.33	MW305925	97.8
		2			MW305926	97.8
<i>Mythimna sicula</i> (Treitschke, 1835)	1	1	-	-	KX399367	99.8
<i>Mythimna unipuncta</i> (Haworth, 1809)	1	1	-	-	MW305938	100
<i>Noctua pronuba</i> (Linnaeus, 1758)	2	1	0.33	0.33	MW305940	100
		2			MW305941	100
<i>Nyctobrya segunai</i> Fibiger, Steiner, & Ronkay, 2009 <sup>E</sup>	4	1	0.53	0.68	MW305944	98.2
		2			MW305945	98.2
		3			MW305946	98.3
		4			MW305947	98.2
<i>Pseudozarba bipartita</i> (Herrich-Schäffer, 1850)	6	1	0.48	1.16	KX399368	99.8
		2			MW305991	99.4
		3			MW305992	99.5
		4			MW305993	99.4
		5			MW305994	99.2
		6			MW305995	99.7
<i>Spodoptera cilium</i> Guenee, 1852	1	1	-	-	MW306004	100
<i>Spodoptera exigua</i> (Hübner, 1808)	8	1	0.28	0.66	MW306005	100
		2			MW306006	99.6
		1			MW306007	100
		1			MW306008	100
		3			MW306009	100
		3			MW306010	100
		3			MW306011	100
		1			MW306012	100
<i>Synthymia fixa</i> (Fabricius, 1787)	3	1	0.00	0.00	MW306017	100
		1			MW306018	100
		1			MW306019	100
<i>Trichoplusia ni</i> (Hübner, 1803)	1	1	-	-	MF059272	100
<i>Tyta luctuosa</i> (Denis & Schiffermuller, 1775)	5	1	0.07	0.22	MW306022	100
		1			MW306023	100
		1			MW306024	100
		2			MW306025	100
		1			MW306026	100
<i>Xylena exsoleta</i> (Linnaeus, 1758)	1	1	-		KX399380	99.6
<b>NYMPHALIDAE</b>						
<i>Coenonympha pamphilus</i> (Linnaeus, 1758)	1	1	-	-	MW305832	100
<i>Danaus chrysippus</i> (Linnaeus, 1758)	1	1	-	-	MW305843	100
<i>Lasiommata megera</i> (Linnaeus, 1767)	1	1	-	-	MW305918	100
<i>Vanessa atalanta</i> (Linnaeus, 1758)	2	1	0.14	0.14	MW306032	100
		2			MW306033	100

<b>PAPILIONIDAE</b>							
<i>Papilio machaon</i> Linnaeus, 1758	3	1	0.59	0.88	MW305954	100	
		1			MW305955	100	
		2			MW305956	100	
<b>PIERIDAE</b>							
<i>Colias croceus</i> (Fourcroy, 1785)	2	1	0.00	0.00	MW305833	100	
		1			MW305834	100	
<i>Pieris brassicae</i> (Linnaeus, 1758)	1	1	-	-	KX399362	99.6	
<i>Pieris rapae</i> (Linnaeus, 1758)	1	1	-	-	KX399357	99.8	
<b>PLUTELLIDAE</b>							
<i>Plutella xylostella</i> (Linnaeus, 1758)	3	1	0.50	0.76	MF059242	100	
		2			MW305984	99.9	
		3			MW305985	100	
<b>PSYCHIDAE</b>							
<i>Oiketicooides lutea</i> (Staudinger, 1870) <sup>F</sup>	4	1	0.38	0.66	KX399366	98.4	
		1			KX399372	98.4	
		2			MW305948	98.9	
		3			MW305949	99.2	
<i>Penestoglossa dardoinella</i> (Milliere, 1863)	3	1	0.00	0.00	MW305958	98.8	
		1			MW305959	98.8	
		1			MW305960	98.8	
<b>PTEROPHORIDAE</b>							
<i>Agdistis frankeniae</i> (Zeller, 1847)	1	1	-	-	MF059241	96.5	
<i>Emmelina monodactyla</i> (Linnaeus, 1758)	2	1	0.00	0.00	KX399378	100	
		1			MW305849	100	
<i>Merrifieldia malacodactylus</i> (Zeller, 1847)	1	1	-	-	MW305932	100	
<b>Pterophoridae sp.</b>	1	1	-	-	MW305997	92.7	
<i>Stenoptilia</i> sp.	1	1	-	-	MW306016	99.9	
<b>PYRALIDAE</b>							
<i>Aglossa caprealis</i> (Hübner, 1809)	1	1	-	-	MF059243	98.5	
<i>Apomyelois ceratoniae</i> (Zeller, 1839)	2	1	0.72	0.72	MW305785	100	
		2			MW305786	100	
<i>Bostra dipectinialis</i> Hampson, 1906 <sup>F</sup>	7	1	0.00	0.00	MW305796	100	
		1			MW305797	100	
		1			MW305798	100	
		1			MW305799	100	
		1			MW305800	100	
		1			MW305801	100	
		1			MW305802	100	
<i>Cadra abstersella</i> (Zeller, 1847)	7	1	0.00	0.00	KX399355	100	
		1			MF059245	100	
		1			MF059246	100	
		1			MW305804	100	
		1			MW305805	100	
		1			MW305806	100	
		1			MW305807	100	
<i>Cadra cautella</i> (Walker, 1863)	2	1	0.44	0.44	KX399347	99.8	
		2			MW305808	100	
<i>Cadra figulilella</i> (Gregson, 1871)	6	1	0.18	0.44	KX399381	100	
		1			MF059247	100	
		1			MF059248	100	
		2			MF059249	100	
		2			MW305809	100	

		1			MW305810	100
<i>Ceutholopha isidis</i> (Zeller, 1867)	2	1	0.56	0.56	KX399356	99.6
		2			MW305822	100
<i>Ephestia elutella</i> (Hübner, 1796)	1	1	-	-	MW305850	100
<i>Lamoria anella</i> (Denis & Schiffermuller, 1775)	11	1	0.41	1.83	KX399348	98.9
		1			MF059234	98.9
		1			MF059235	98.9
		1			MF059236	98.9
		1			MF059237	98.9
		1			MF059238	98.9
		2			MF059239	98.6
		2			MF059240	98.6
		3			MW305912	99.8
		1			MW305913	98.6
		2			MW305914	98.9
<i>Oxybia transversella</i> (Duponchel, 1836)	1	1	-	-	MF059261	99.4
<i>Phycita diaphana</i> (Staudinger, 1870)	1	1	-	-	MW305973	99.9
<i>Phycitodes saxicola</i> (Vaughan, 1870)	2	1	0.00	0.00	MW305974	98.9
		1			MW305975	98.9
<i>Plodia interpunctella</i> (Hübner, 1813)	2	1	0.00	0.00	MW305982	100
		1			MW305983	100
<i>Psorosa dahliella</i> (Treitschke, 1832)	1	1	-	-	MW305996	100
<i>Pyrallis farinalis</i> (Linnaeus, 1758)	2	1	0.16	0.16	MF059233	99.8
		2			MW305999	99.8
<i>Stemmatophora brunnealis</i> (Treitschke, 1829)	3	1	0.21	0.35	MW306013	100
		1			MW306014	100
		2			MW306015	99.7
<b>SESIIDAE</b>						
<i>Bembecia albanensis</i> (Rebel, 1918)	1	1	-		KX399365	99.1
<b>SPHINGIDAE</b>						
<i>Acherontia atropos</i> (Linnaeus, 1758)	1	1	-	-	MW305743	100
<i>Agrius convolvuli</i> (Linnaeus, 1758)	1	1	-	-	MW305752	100
<i>Hippotion celerio</i> (Linnaeus, 1758)	2	1	0.00	0.00	MW305891	100
		1			MW305892	100
<b>TINEIDAE</b>						
<i>Niditinea fuscella</i> (Linnaeus, 1758)	1	1	-	-	MW305939	99.1
<i>Phereoeca praecox</i> (Gozmany & Vari, 1973) <sup>F</sup>	3	1	0.32	0.44	MW305963	100
		2			MW305964	99.9
		3			MW305965	99.8
<i>Tinea murariella</i> Staudinger, 1859	1	1	-	-	MW306020	100
<b>TORTRICIDAE</b>						
<i>Aethes</i> sp.	3	1	0.56	1.30	MW305746	96.5
		2			MW305747	96.6
		1			MW305748	96.5
<i>Cacoecimorpha pronubana</i> (Hübner, 1799)	2	1	0.00	0.00	MF059255	99.5
		1			MW305803	99.5
<i>Clepsis</i> sp.	2	1	0.50	0.50	MW305830	96.7
		2			MF059254	96.7
<i>Eucosma</i> sp.	4	1	0.00	0.00	KX399358	100
		1			KX399360	100
		1			KX399361	100
		1			MW305870	100
<i>Lobesia botrana</i> (Denis & Schiffermuller, 1775)	2	1	0.22	0.22	KX399371	99.8
		2			MF059256	100
<i>Pseudococcyx tessulatana</i> (Staudinger, 1871)	1	1	-	-	MW305990	100
<i>Selania capparidana</i> (Zeller, 1847)	1	1	-	-	MW306003	97.7