

SI Table 3. Species and haplotype composition of 440 larvae based on blastN search using COI sequences as queries.

Species	Haplotype	Number of haplotype	Identified Species by BlastN search	E-value	Identity	Best hit	Gene bank accession
<i>Carposina sasakii</i>	Csas_Hap1	29	<i>Carposina sasakii</i>	0	100%	KC455442.1	KX377411*
<i>Carposina sasakii</i>	Csas_Hap2	40	<i>Carposina sasakii</i>	0	100%	HQ840719.1	KX377412 *
<i>Carposina sasakii</i>	Csas_Hap3	16	<i>Carposina sasakii</i>	0	100%	KC455441.1	KX377413 *
<i>Carposina sasakii</i>	Csas_Hap4	4	<i>Carposina sasakii</i>	0	100%	KC455452.1	KX377414 *
<i>Carposina sasakii</i>	Csas_Hap5	2	<i>Carposina sasakii</i>	0	99%	KC455442.1	KX377415 *
<i>Carposina sasakii</i>	Csas_Hap6	1	<i>Carposina sasakii</i>	0	99%	KC455452.1	KX377416 *
<i>Carposina sasakii</i>	Csas_Hap7	1	<i>Carposina sasakii</i>	0	99%	KC455441.1	KX377417
<i>Carposina sasakii</i>	Csas_Hap8	2	<i>Carposina sasakii</i>	0	99%	HQ840719.1	KX377418
<i>Grapholita dimorpha</i>	Gdim_Hap1	117	<i>Grapholita dimorpha</i>	0	100%	AB733678.1	KX377419 *
<i>Grapholita dimorpha</i>	Gdim_Hap2	16	<i>Grapholita dimorpha</i>	0	98%	KJ671625.1	KX377420 *
<i>Grapholita dimorpha</i>	Gdim_Hap3	32	<i>Grapholita dimorpha</i>	0	100%	KJ671625.1	KX377421 *
<i>Grapholita dimorpha</i>	Gdim_Hap4	1	<i>Grapholita dimorpha</i>	0	99%	KJ671625.1	KX377422 *
<i>Grapholita dimorpha</i>	Gdim_Hap5	24	<i>Grapholita dimorpha</i>	0	100%	KC136075.1	KX377423 *
<i>Grapholita dimorpha</i>	Gdim_Hap6	1	<i>Grapholita dimorpha</i>	0	98%	KJ671625.1	KX377424 *
<i>Grapholita dimorpha</i>	Gdim_Hap7	1	<i>Grapholita dimorpha</i>	0	99%	KJ671625.1	KX377425 *
<i>Grapholita dimorpha</i>	Gdim_Hap8	4	<i>Grapholita dimorpha</i>	0	100%	KC136073.1	KC136073.1
<i>Grapholita dimorpha</i>	Gdim_Hap9	1	<i>Grapholita dimorpha</i>	0	99%	KC136073.1	KX611092
<i>Grapholita dimorpha</i>	Gdim_Hap10	1	<i>Grapholita dimorpha</i>	0	99%	AB733678.1	KX611093
<i>Grapholita dimorpha</i>	Gdim_Hap11	2	<i>Grapholita dimorpha</i>	0	98%	KJ671625.1	KX611094
<i>Grapholita dimorpha</i>	Gdim_Hap12	4	<i>Grapholita dimorpha</i>	0	100%	KJ833888.1	KJ833888.1
<i>Grapholita molesta</i>	Gmol_Hap1	22	<i>Grapholita molesta</i>	0	100%	KJ833937.1	KX377426 *
<i>Grapholita molesta</i>	Gmol_Hap2	1	<i>Grapholita molesta</i>	0	100%	KJ833938.1	KX377427 *
<i>Grapholita molesta</i>	Gmol_Hap3	1	<i>Grapholita molesta</i>	0	99%	KJ833939.1	KX377428 *
<i>Grapholita molesta</i>	Gmol_Hap4	107	<i>Grapholita molesta</i>	0	100%	KJ833939.1	KX377429 *
<i>Grapholita molesta</i>	Gmol_Hap5	1	<i>Grapholita molesta</i>	0	99%	KJ833939.1	KX377430 *
<i>Conogethes punctiferalis</i>	Cpun_Hap1	1	<i>Conogethes punctiferalis</i>	0	100%	KP055012.1	KX611095
<i>Conogethes punctiferalis</i>	Cpun_Hap2	1	<i>Conogethes punctiferalis</i>	0	100%	KP055015.1	KP055015.1
<i>Euzophera pyriella</i>	Epyr_Hap1	2	<i>Euzophera pyriella</i>	0	99%	KC215198.1	KX611096
<i>Euzophera pyriella</i>	Epyr_Hap2	1	<i>Euzophera pyriella</i>	0	99%	KC215198.1	KX611097
<i>Euzophera pyriella</i>	Epyr_Hap3	1	<i>Euzophera pyriella</i>	0	99%	KC215198.1	KX611098
<i>Unidentified_1</i>	Esp_Hap1	2	<i>Euzophera bigella</i>	0	94%	JF859851.1	not submitted
<i>Unidentified_2</i>	Ssp_Hap1	1	<i>Spilonota albicana</i>	0	96%	KF523835.1	not submitted

* Reported by Kwon et al., 2017