

Supplementary Materials

Table S1. Abundances of all insect species in every plant species, including maize. All insect species are sorted by functional group, families, and orders. As: *Aster* sp.; Csa: *Coriandrum sativum*; Fvu: *Foeniculum vulgare*; Gba: *Gossypium barbadense*; Lof: *Lavandula officinalis*; Aab: *Artemisia absinthium*; Bpi: *Bidens pilosa*; Han: *Helianthus annuus*; Nph: *Nicandra physaloides*; Sof: *Salvia officinalis*; Gpa: *Galinsoga parviflora*; Mpa: *Malva parviflora*; Pvu: *Phaseolus vulgaris*; Rof: *Rosmarinus officinalis*; Sha: *Sorghum halepense*; Ma: Maize.

	Refuge A					Refuge B					Refuge C					
	As	Csa	Fvu	Gba	Lof	Aab	Bpi	Han	Nph	Sof	Gpa	Mpa	Pvu	Rof	Sha	Ma
HERBIVORES																
COLEOPTERA																
Fam. Chrysomellidae																
<i>Diabrotica viridula</i> (Fabricius, 1801)				8			2	7		1						436
<i>Epitrix</i> sp. 1								3	174							
Fam. Curculionidae																
<i>Anthonomus vestitus</i> Boheman, 1859				8												
Fam. Nitidulidae																
<i>Carpophilos</i> sp. 1																75
DIPTERA																
Fam. Agromyzidae																
<i>Liriomyza huidobrensis</i> (Blanchard, 1926)	1			7	4	1	13	19	15	4	5	77	24		19	
Fam. Ulidiidae																
<i>Euxesta</i> sp. 1				34								1			5	71
HEMIPTERA																
Fam. Aleyrodidae																
<i>Bemisia tabaci</i> (Gennadius, 1889)				265			7	54	3			111	52			
Fam. Aphididae																
<i>Aphis gossypii</i> Glover, 1877		54	212	142				64	24		2	38	16			
Aphididae sp. 1								47								
<i>Rhopalosiphum maidis</i> (Fitch, 1856)																128
Fam. Cicadellidae																
<i>Dalbulus maidis</i> Delong & Wolcott, 1923		4						1					2			102

[illegible]

[illegible]

<i>Alphomelon</i> sp. 1						1	2							
Alysiinae sp. 1													1	
<i>Apanteles</i> sp. 1	2	1	22	5	7		53	2	3	1	2	4	1	1
Aphidiinae sp. 1		3	4	3										
Aphidiinae sp. 2			5	2	2			2		2	2	2		
Aphidiinae sp. 3														193
Braconinae sp. 1	1	1	3	1			1				3			
Braconinae sp. 2		1	3	3	1	1	4			1		1		
Braconinae sp. 3	2	1	11	3			9		2					1
Braconinae sp. 4		4	3	3	3		7			1		1		
Cheloninae sp. 1	2	1	1	3	1		13	1		2				
<i>Chelonus insularis</i> Cresson, 1865	1		10	2			16		22		2			3
Euphorinae sp. 1				1										
Heliconinae sp. 1							1							
<i>Iconella</i> sp. 1		3	2				1							
<i>Leiophron</i> sp. 1		3	10	20	2		8	1				4		13
Opiinae sp. 1	1			1			2					4		
Opiinae sp. 2	2		1	2			4							
Opiinae sp. 3				2			11					12		
<i>Praon volucre</i> (Haliday, 1833)								162						
Rogadinae sp. 1						1				1				
Fam. Chalcididae														
<i>Brachymeria</i> sp. 1				3			4							
<i>Brachymeria</i> sp. 2	1		2				4		2			3		
Chalcidini sp. 1							12		1		1			
<i>Spilochalcis</i> sp. 1							10				1			
Fam. Diapriidae														
Diapriinae sp. 1					1		3					1		
Fam. Encyrtidae														
Encyrtidae sp. 1		3	10	18	9		3						1	
Encyrtidae sp. 2	2	2	2	4	1									
Encyrtidae sp. 3			2	23										
Encyrtidae sp. 4	2	1	6	5				2	1			1		
Encyrtidae sp. 5			3	2		1	2		4			1		2

Fam. Eucolidae														
Eucolidae sp. 1	1	3	17	22	1		11		1	5	9	2	2	3
Eucolidae sp. 2	1	2	1	1			3				1			
Eucolidae sp. 3			2	1	3		1	1		1	4			1
Eucolidae sp. 4	1	1	4		2		1	2			2			
Fam. Eulophidae														
Eulophidae sp. 1	2			4			3	1	1		3			
Eulophidae sp. 2	1	3	2	2	3		2				3		1	
Eulophidae sp. 3			3	1	1	1		2			5			6
Eulophidae sp. 4	1	7	24	9	1	5	14	1	3	1	3	11	2	2
Eulophidae sp. 5		1					2		3		1	3	1	54
Eulophidae sp. 6		1	5	9	1	3		4			1	17	1	27
Fam. Eupelmidae														
Eupelminae sp. 1							1				1	1		9
Fam. Eurytomidae														
Eurytomidae sp. 1			4	4										
Eurytomidae sp. 2		1	4				1				1			
Eurytomidae sp. 3			2				2	1			1			
Fam. Figitidae														
Figitinae sp. 1		1												
Fam. Ichneumonidae														
Anomaloninae sp. 1				1										1
<i>Campoletis flavicinta</i> (Ashmead, 1890)														
Campopleginae sp. 1			2				2	1			2			
Campopleginae sp. 2		1	2				2		1					
Cremastinae sp. 1				1		1	4				1			
Cremastinae sp. 2			2	2	1	1	4				1			
Cryptinae sp. 1			1				13	1			1			
<i>Diplazon laetatorios</i> (Fabricius, 1781)														
	2		4		1		1	1						1
Orthocentrinae sp. 1							2							
<i>Pimpla</i> sp. 1							2							
Fam. Mutilidae														

<i>Timulla</i> sp. 1							1							
Fam. Mymaridae														
Mymaridae sp. 1	1		1			1	3		1					
Mymaridae sp. 2					1					1		1		
Fam. Perilampidae														
Perilampidae sp. 1			3	9	1		25		5			2		
Perilampidae sp. 2	1		4	1					3			1	2	
Fam. Platigastridae														
Platigastridae sp. 1			1	1			1							
Fam. Pteromalidae														
Pteromalidae sp. 1	1		1				4				1			1
Pteromalidae sp. 2	2	7	17	7			8	6	6	1		1		3
Pteromalidae sp. 3		1	2	2			21		3	2	2	2		10
Pteromalidae sp. 4		9	14	8	2	1	11	1	3		6	6	1	2
Pteromalidae sp. 5	2		2	2			12		1		1			1
Pteromalidae sp. 6			6	1		1	12				1		1	
Pteromalidae sp. 7			3	4			5		1			2	1	
Pteromalidae sp. 8	1		2	3	3		12	1	5	1		4		2
Fam. Scelionidae														
Scelioninae sp. 1	1		5	4	2		2		1	2	2	1		
Scelioninae sp. 2		1	4	4	1	2	4		2		1	2	3	1
Scelioninae sp. 3	4	1	1	4	2	2	3				1	4	3	2
Scelioninae sp. 4				1		1	1		2	1	1	3		
Teleasinae sp. 1	2	2	3	1	1		9		3	1	2		1	
Fam. Scoliidae														
<i>Campsomeris</i> sp. 1		6	24			1	12		22		60	16		2
Fam. Tiphidae														
Anthoboscinae sp. 1				6					1					1
Fam. Torymidae														
<i>Podagrion</i> sp. 1			1						3					1
<i>Podagrion</i> sp. 2				2					1					

PREDATORS

COLEOPTERA

Fam. Carabidae

<i>Megacephala carolina chilensis</i> (Laporte, 1834)	1						10				4						
<i>Pterostichus</i> sp. 1				2			7				4		12				
<i>Pterostichus</i> sp. 2																2	
Fam. Coccinellidae																	
Coccinellidae sp. 1	7	48	218	10				23					39				
Coccinellidae sp. 2																7	
<i>Cryptolaemus montrouzieri</i> (Mulsant, 1853)			1	4			1	2									
<i>Cycloneda sanguinea</i> (Linnaeus, 1763)			1	3	2		2	11					4				
<i>Eriopis connexa connexa</i> (Germar, 1824)				1	1		6	8					3				
<i>Harmonia</i> sp. 1	2	46	190	22				6	5				34				
<i>Harmonia</i> sp. 2																10	
<i>Hippodamia convergens</i> (Guerin- Meneville, 1842)	1	5	17		3		3	12	4				16	1	2	5	
<i>Scymnus</i> sp. 1		1	28	1				41					4				
<i>Zagreus heasticta</i> (Crotch, 1874)				1			2						1				
DIPTERA																	
Fam. Asilidae																	
<i>Lochmorhynchus albicans</i> (Carrera & Andretta, 1953)																1	
Fam. Dolichopodidae																	
<i>Condyllostylus</i> sp. 1	1			13			8	2	1				2				
<i>Condyllostylus similis</i> (Aldrich, 1901)	37	11	6	114	3	5	38	64	79	5	11	140	33	2	9	76	
Fam. Syrphidae																	
<i>Allograpta exotica</i> (Wiedemann, 1830)	60	92	135				20		10	1	31	11			122	29	
<i>Allograpta piurana</i> Shannon, 1927	3	25	43				3				3				14		
Syrphidae sp. 1																84	
Syrphidae sp. 2		2	3				1	15				9			3		

<i>Pseudodorus clavatus</i> (Fabricius, 1794)	2	3	25	3	1	1	11	3	4
<i>Syrphus shorae</i> Fluke, 1950	2	2	5	1	2				8
HEMIPTERA									
Fam. Anthocoridae									
<i>Orius insidiosus</i> (Say, 1832)	4		120		24	16	17	15	15
Fam. Berytidae									
<i>Metacanthus tenellus</i> Stål, 1859		3	3	131	5	67	10	9	6
Fam. Lygaeidae									
<i>Geocoris punctipes</i> (Say, 1832)			1	15	2	11		3	1
Fam. Miridae									
<i>Hyalochloria denticornis</i> Tsai-Yu-Hsiao, 1945			1	10		2			
<i>Rhinacloa aricana</i> Carvalho, 1948				1					1
Fam. Nabidae									
<i>Nabis punctipennis</i> Blanchard, 1852	2		3	30	3		8	1	2
Fam. Pentatomidae									
<i>Podisus</i> sp. 1		2	4	5			1		2
HYMENOPTERA									
Crabronidae									
<i>Bembicinae</i> sp. 1	1								
<i>Cercerini</i> sp. 1			2	3	1	1	1		
<i>Cercerini</i> sp. 2					1				
<i>Rubrica surinamensis</i> (De Geer, 1778)				1					
<i>Trypoxylon</i> sp. 1			1	3	2	1		1	1
Fam. Pompilidae									
<i>Pompilidae</i> sp. 1			1	2					
<i>Pompilidae</i> sp. 2	1		2						
<i>Pompilidae</i> sp. 3			1		2				
<i>Pompilidae</i> sp. 4			1						
<i>Tachypompilus</i> sp. 1				1					
Fam. Sphecidae									
<i>Ampulex</i> sp. 1			3						

<i>Sceliphron caementarium</i> (Drury, 1773)			28	2													
Sphecidae sp. 1		1															
Sphecidae sp. 2													1				
Fam. Vespidae																	
<i>Eumenes canaliculatus</i> Saussure, 1852		1	4	1													
<i>Monobia incarum</i> Bequaard, 1940			47	11				1			25						
NEUROPTERA																	
Fam. Chrysopidae																	
<i>Ceraeochrysa cincta</i> (Schneider, 1851)			4	1				3	1			1					6
<i>Chrysoperla externa</i> (Hagen, 1861)	18	16	118	208	110	39	27	132	27	48	81	23	42	11	78		37
Chrysopidae egg																	1232
Chrysopidae nymph																	103
Fam. Hemerobidae																	
<i>Hemerobius</i> sp. 1																	89
Fam. Myrmeleontidae																	
<i>Myrmelion</i> sp. 1			3	1			1	1				1					
