

Supplementary Table 1. Sampling localities of maize weevil (*Sitophilus zeamais*), with sample sizes for the two mitochondrial genes (COI + COII) and the nuclear ITS region, geographic coordinates, and collector's identification.

Sites	Sample size		Latitude	Longitude	Collector
	COI + COII	ITS			
AMERICAS	200	73			
Richvale1, CA, USA	4	2	39° 28' 38" N	121° 44' 41" W	L. Espino
Richvale2, CA, USA	4	3	39° 28' 38" N	121° 44' 41" W	L. Espino
Tift, GEO, USA	6		31° 29' 45" N	83° 31' 35" W	M.D. Toews
Manhattan, KS, USA	2		39° 11' 30" N	96° 35' 30" W	J. E. Throne
Ciudad Panama, Panama	9	4	08° 58' 40" N	79° 32' 23" W	A.V. Cumbreira
Tlatizapán, Mexico	10	6	18° 41' 00" N	99° 07' 00" W	G. Almeida
Laboratory strain, Mexico	4		-	-	P.G. Fields
El Manzano, Colombia	4		04° 40' 31" N	73° 52' 45" W	J.C. Almeciga
Villa de Leyva, Colombia	5	4	05° 38' 00" N	73° 32' 00" W	J. Morales
La Hormiga, Colombia	4	3	00° 25' 00" N	76° 54' 00" W	K. Girón-Pérez
Lima, Peru	5	6	12° 02' 06" S	77° 01' 07" W	J.V. Castro
Pedro J. Caballero, Paraguay	7		22° 34' 50" S	55° 37' 17" W	L. Silva
Amambay, Paraguay	6		22° 17' 00" S	56° 33' 00" W	L. Silva
Eldorado do Sul, RS, Brazil	6		30° 05' 52" S	51° 39' 08" W	R. Dionello
Passo Fundo, RS, Brazil	5	5	28° 13' 49" S	52° 24' 14" W	M. Savaris
Tunápolis, SC, Brazil	5		26° 58' 08" S	53° 38' 20" W	M.A. Pimentel
Jacarezinho, PR, Brazil	5		23° 09' 39" S	49° 58' 08" W	J. Santos
Guarapuava, PR, Brazil	6	5	25° 23' 42" S	51° 27' 48" W	M.A. Pimentel
S.J. do Rio Pardo, SP, Brazil	5		21° 35' 45" S	46° 53' 20" W	M.A. Pimentel
Votuporanga, SP, Brazil	5	3	20° 25' 22" S	49° 58' 22" W	M.A. Pimentel
Juiz de Fora, MG, Brazil	5		21° 40' 20" S	43° 20' 40" W	A. Santos
Canaã, MG, Brazil	5	4	20° 41' 09" S	42° 37' 12" W	A.S. Corrêa
Sete Lagoas, MG, Brazil	6		19° 27' 57" S	44° 14' 49" W	J. Santos
Maracaju, MS, Brazil	4		21° 36' 50" S	55° 10' 04" W	L. Silva
Vicentina, MS, Brazil	7	5	22° 24' 32" S	54° 26' 09" W	L. Silva
Cuiabá, MT, Brazil	3		15° 35' 45" S	56° 05' 49" W	M.A. Canepele
Água Boa, MT, Brazil	4		14° 03' 00" S	52° 09' 39" W	M.A. Pimentel
Rio Verde, GO, Brazil	7	5	17° 47' 52" S	50° 55' 40" W	M.A. Pimentel
Turvânia, GO, Brazil	4		16° 36' 50" S	50° 08' 02" W	M.A. Pimentel
Barreiras, BA, Brazil	4		12° 09' 10" S	44° 59' 24" W	L. Silva
Teresina, PI, Brazil	4		05° 05' 20" S	42° 48' 07" W	L. Silva
Balsas, MA, Brazil	4		07° 31' 58" S	46° 02' 09" W	L. Silva
São Cristovão, SE, Brazil	5		11° 00' 54" S	37° 12' 21" W	L. Bacci
Maragogi, AL, Brazil	5	4	09° 00' 44" S	35° 13' 21" W	A.S. Corrêa
São João, PE, Brazil	6	1	08° 52' 33" S	36° 22' 01" W	A.S. Corrêa
João Pessoa, PB, Brazil	2	4	07° 05' 00" S	34° 50' 00" W	A.S. Corrêa
Gurupi, TO, Brazil	5		11° 43' 44" S	49° 04' 08" W	J. Rosado
Vilhena, RO, Brazil	5	5	12° 47' 19" S	60° 05' 39" W	R. Reis
Cruzeiro do Sul, AC, Brazil	5		07° 37' 51" S	72° 40' 12" W	M. Fazolin
Rio Branco, AC, Brazil	6	4	09° 58' 30" S	67° 48' 36" W	M. Fazolin
AFRICA-EUROPE	30	15			
Maputo, MP, Mozambique	7	7	18° 35' 00" S	32° 35' 00" E	H.A.E. Malia
Mapula, CD, Mozambique	4		11° 92' 05" S	39° 81' 96" E	H.A.E. Malia

Bangangte, Cameroon	4		05° 08' 27" N	10° 31' 11" E	E. Nukinine
Garoua, Cameroon	4		09° 18' 00" N	13° 24' 00" W	E. Nukinine
Laboratory Strain, Africa	4	4	-	-	C. Adler
Campobasso, Italia	3		41° 34' 00" N	14° 40' 00" E	P. Trematerra
Barcelona, Span	4	4	41° 23' 20" N	02° 09' 32" E	J. Riudavete
ASIA-AUSTRALIA	31	11			
Shimla, India	9	6	31° 06' 12" N	77° 10' 20" E	D.R. Thakur
Yangling, China	6		34° 17' 00" N	108° 03' 42" E	Z. Hu
PathumThani, Thailand	5		14° 01' 15" N	100° 31' 29" E	Paul Fields
Bangkok1, Thailand	4	1	13° 45' 08" N	100° 29' 38" E	D. Suthisut
Bangkok2, Thailand	3		13° 45' 08" N	100° 29' 38" E	D. Suthisut
Brisbane, Australia	6	4	27° 28' 22" S	153° 01' 40" E	P.J. Collins
POOLED	261	96			