

Supplementary Table 1. Characteristics of the 11 microsatellite loci from *Diatraea saccharalis*.

Locus	GeneBank accession	Primer nucleotide sequence (5'-3')	Repeat motif	Ta (°C)	Size range (bp)
Dsc1	GF111048	F CGAGGCTATATTTGCGTGTG R GATGATGGAGTTGGAAGGTGA	(TG)10	56	180-192
Dsc2	GF111061	F GCGGTGCCTCTTTGTCATA R TTGACCAACTACTGCAAGACG	(CA)19	60	188-230
Dsc3	GF111049	F CCATCAAGCTCCTTCTAAGAGAC R CCTTGCTCAGTTACCATTCG	(AC)11	56	250-274
Dsc5	GF111050	F TCTTGCCTTTGCTCTTGA R GCGGGGTCAGCTAGTTATTC	(TG)19	60	146-190
Dsc7	GF111051	F TGTCGAGCTACTCCATGCTT R TGAGACTGAACACTGGCAAGA	(ATG)6	60	214-250
Dsc9	GF111052	F AACCTTCGATGAGCTACTGC R TGTGGTGATTTGTTTGCTTG	(TG)16	56	160-182
Dsc10	GF111060	F GGTCCGCGTTTGTATTGTT R TCAAGTGCTCCTAAAACACGA	(GT)7	56	270-280
Dsc11	GF111990	F ATACGGCTTCATTGCTTC R GGTTTCGCACTCATCACG	(GT)10	54	220-228
Dsc13	GF111053	F CGTGGACTAACCCATAGAAGAT R GGTTTAGCAGAACTTGGCATA	(GT)18	54	220-270
Dsc19	GF111058	F CACACACGAACACACACGA R ATGGTTGGGTCTTTCCTTTT	(CA)10	60	160-170
Dsc20	GF111059	F TTGGCAGAGTTGTGGGTAAC R ACAGCAGCATCATCAGAAGG	(AG)8	54	222-230

F = forward primer sequences; R = reverse primer sequences; Ta = annealing temperature;