

Supplementary Table 2 – Hierarchical analysis of molecular variance (AMOVA) for population genetic structure of *Diatraea saccharalis* with a mitochondrial (COI) region marker.

Hierarchical levels	d.f.	Sum of Squares	Variance components	Variance (%)	Fixation Indices	P valor
Two-hierarchical-levels						
Among Populations	2	0.184	-0.00067	-0.63	-0.00625	0.45974
Within Populations	79	8.463	0.10712	100.63		
Total	81	8.646	0.10645			
Two-hierarchical-levels						
Among Host	1	0.076	-0.00079	-0.74	-0.00742	0.6998
Within Host	80	8.57	0.10712	100.74		
Total	81	8.646	0.10634			
Three-hierarchical-levels						
Among Populations	2	0.184	0.00271	2.54	$F_{SC} = -0.046$	1
Among host within populations	2	0.088	-0.00478	-4.48	$F_{CT} = 0.02537$	0.3993
Within Host	77	8.375	0.10877	101.94	$F_{ST} = -0.0194$	0.7271
Total	81	8.646	0.10669			