

### **Additional File 3: Population differentiation across lakes.**

Matrix of  $F_{ST}$ -values between each population pair: microsatellite differentiation is on the upper right and mtDNA differentiation is in the lower left of the matrix. Each lake is significantly genetically differentiated from the other.

	<b>Apoyeque</b>	<b>Xiloá</b>	<b>Managua</b>
<b>Apoyeque</b>	-	0.141**	0.146**
<b>Xiloá</b>	0.125*	-	0.053**
<b>Managua</b>	0.262**	0.072*	-

(\*\*  $p < 0.001$ , \*  $p < 0.01$ ). Results are the same if populations are compared the other way around.