

**Table S1 Fish used for pool sequencing.**

<b>Species</b>	<b>Pool</b>	<b>Number and sex of fish</b>	<b>Population</b>	<b>Notes</b>
<i>Gambusia affinis</i>	1	31 females	WLC1313 Pena blanca Lake, Arizona, USA	
	2	30 males	WLC1313 Pena blanca Lake, Arizona, USA	
<i>Gambusia holbrooki</i>	3	13 females	WLC2514 Florida City, Florida, USA	
	3	12 females	WLC2105 Everglades City, Florida, USA	
	3	11 females	WLC1475 Tamiami trail, Everglades, Florida, USA	
	4	13 males	WLC2514 Florida City, Florida, USA	melanic
	4	12 males	WLC2105 Everglades City, Florida, USA	melanic
	4	11 males	WLC1475 Tamiami trail, Everglades, Florida, USA	melanic