

**TABLE S4** | Genetic distances (in %) for the *Cyt-b* dataset based on the mean Kimura-2 parameter model of evolution. Pair-wise comparisons are between the lineages of focus in *Mollienesia* of Mexico (see Figs. 3–5). LG = La Gloria population of *Poecilia sulphuraria*; BDA = Banos del Azufre population of *P. sulphuraria*.

	sph	but	nel	thr	BDA	LG	lim	mex
sph	0-0.98							
but	8.03	0-1.99						
nel	7.75	4.62	0-1.99					
thr	8.99	6.02	6.17	0.00				
BDA	8.61	5.66	5.83	0.33	0.32			
LG	9.18	6.20	6.35	0.16	0.49	0.00		
lim	8.93	5.96	6.19	2.02	2.19	1.68	0-1.65	
mex	8.09	5.43	6.14	2.48	2.65	2.17	2.56	0-1.99



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