

**S2 Table.** Random effects testing using Likelihood Ratio Test (LRT). The analysed variable is the immobility of long-term isolated fish.

<i>Variable</i>	<i>Random effects</i>	<i>Random effects sources</i>	<i>Binomial error distribution (logit link)</i>			<i>Normal error distribution (identity link)</i>		
			<i>df</i>	<i><math>\chi^2</math></i>	<i>p-value</i>	<i>df</i>	<i><math>\chi^2</math></i>	<i>p-value</i>
Immobility	Intercept	Individual	n.a	n.a	n.a	1	0.799	0.371

p-values < 0.05 are in bold

Model did not converge for the Binomial part of the model.