

S5 File: Results of background similarity tests assessing niche similarity between bluetongue virus and six vector species. The null hypothesis of niche similarity was rejected if the observed *D* or *I* values for the BTV and vector species in question fell the 5th percentile in the random-replicate distribution (i.e. 5% in table).

<i>Species</i>	Schoener's <i>D</i>				Hellinger's <i>I</i>			
	Observed	5%	95%	<i>P</i> value	Observed	5%	95%	<i>P</i> value
<i>Culicoides imicola</i>	0.585	0.466	0.863	<i>P</i> > 0.05	0.847	0.677	0.926	<i>P</i> > 0.05
<i>Culicoides insignis</i>	0.615	0.382	0.683	<i>P</i> > 0.05	0.873	0.514	0.944	<i>P</i> > 0.05
<i>Culicoides variipennis</i>	0.618	0.419	0.804	<i>P</i> > 0.05	0.872	0.615	0.966	<i>P</i> > 0.05
<i>Culicoides sonorensis</i>	0.696	0.429	0.717	<i>P</i> > 0.05	0.923	0.598	0.958	<i>P</i> > 0.05
<i>Culicoides brevitarsis</i>	0.708	0.322	0.942	<i>P</i> > 0.05	0.927	0.551	0.956	<i>P</i> > 0.05
<i>Culicoides occidentalis</i>	0.505	0.233	0.739	<i>P</i> > 0.05	0.805	0.366	0.821	<i>P</i> > 0.05