

**TABLE S3** | Pairwise fixation index  $F_{ST}$  (below) and  $R_{ST}$  (above) in *Rhinoptera bonasus* from the coast of Brazil, between collection areas Santa Catarina (SC), São Paulo (SP), Rio de Janeiro (RJ), Pernambuco (PE) and Pará (PA). Simulation pairwise  $F_{ST}$  (below) and  $R_{ST}$  (above) between ecoregions, from Amazonic ecoregion (1, Pará – PA), Northeastern ecoregion (2, Pernambuco – PE), and Southeastern ecoregion (3, Rio de Janeiro – RJ, São Paulo – SP and Santa Catarina – SC). Bold values significant at  $p < 0.001$ .

		SC	SP	RJ	PE	PA
Collection areas	SC	-	0.0424	0.1344	-0.0379	0.0653
	SP	0.0049	-	0.0954	0.0265	0.0457
	RJ	0.1086	0.0756	-	0.1734	0.0448
	PE	-0.0237	0.0289	0.0948	-	0.1249
	PA	0.0398	<b>0.1536</b>	<b>0.2788</b>	0.0032	-
Ecoregions		1	2	3		
	1	-	0.6666	0.2162		
	2	0.0187	-	0.1711		
	3	<b>0.1395</b>	0.0032	-		



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