

Table S2. Matrices of dispersal and areas allowed used in BioGeoBEARS for each slide of time (0-30, 30-40 and 40-90 Mya). In the areas allowed matrix a value of zero represents an area that is removed, and a value of 1 an area that is present. In the dispersal matrix, values represent percentages of connectivity between areas. (0= 0% and 1=100%). Note that probabilities for each geographic range are calculated only for the allowed areas given in the areas allowed matrix (with a value of 1). Ranges are coded as follows: **A** - Northern Andes, **B** - Central Andes, **C** - Southern Andes, **D** - Southern south America, **E** - Central America, **F** - Hawaii, **G** - Africa, **H** - Malay Archipelago and **I** - Tasmania and New Zealand.

**0 – 30 Mya**

<u>Areas allowed matrix</u>										<u>Dispersal matrix</u>									
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>
<b>A</b>	1	1	1	1	1	1	1	1	1	<b>A</b>	1	1	1	1	1	1	0.001	1	0.001
<b>B</b>	1	1	1	1	1	1	1	1	1	<b>B</b>	1	1	1	1	1	1	0.001	1	0.001
<b>C</b>	1	1	1	1	1	1	1	1	1	<b>C</b>	1	1	1	1	1	1	0.001	1	0.001
<b>D</b>	1	1	1	1	1	1	1	1	1	<b>D</b>	1	1	1	1	1	1	0.001	1	0.001
<b>E</b>	1	1	1	1	1	1	1	1	1	<b>E</b>	1	1	1	1	1	1	1	1	1
<b>F</b>	1	1	1	1	1	1	1	1	1	<b>F</b>	1	1	1	1	1	1	1	1	1
<b>G</b>	1	1	1	1	1	1	1	1	1	<b>G</b>	0.001	0.001	0.001	0.001	0.001	1	1	1	1
<b>H</b>	1	1	1	1	1	1	1	1	1	<b>H</b>	1	1	1	1	1	1	1	1	1
<b>I</b>	1	1	1	1	1	1	1	1	1	<b>I</b>	0.001	0.001	0.001	0.001	0.001	1	1	1	1



