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

	Areas allowed matrix												Dispersal matrix									
	A	В	C	D	E	F	G	Н	I		A	В	C	D	E	F	G	Н	I			
A	1	1	1	1	1	1	1	1	1	A	1	1	1	1	1	1	0.001	1	0.001			
В	1	1	1	1	1	1	1	1	1	В	1	1	1	1	1	1	0.001	1	0.001			
C	1	1	1	1	1	1	1	1	1	C	1	1	1	1	1	1	0.001	1	0.001			
D	1	1	1	1	1	1	1	1	1	D	1	1	1	1	1	1	0.001	1	0.001			
E	1	1	1	1	1	1	1	1	1	E	1	1	1	1	1	1	1	1	1			
F	1	1	1	1	1	1	1	1	1	F	1	1	1	1	1	1	1	1	1			
G	1	1	1	1	1	1	1	1	1	$\mathbf{G}$	0.001	0.001	0.001	0.001	0.001	1	1	1	1			
Н	1	1	1	1	1	1	1	1	1	Н	1	1	1	1	1	1	1	1	1			
I	1	1	1	1	1	1	1	1	1	I	0.001	0.001	0.001	0.001	0.001	1	1	1	1			

30 – 40 Mya

	Areas allowed matrix												Dispersal matrix									
	A	В	C	D	E	F	G	Н	I		A	В	C	D	E	F	$\mathbf{G}$	Н	I			
A	1	1	1	1	1	0	1	1	1	A	1	1	1	1	1	1	0.001	1	1			
В	1	1	1	1	1	0	1	1	1	В	1	1	1	1	1	1	0.001	1	1			
C	1	1	1	1	1	0	1	1	1	C	1	1	1	1	1	1	0.001	1	1			
D	1	1	1	1	1	0	1	1	1	D	1	1	1	1	1	1	0.001	1	1			
E	1	1	1	1	1	0	1	1	1	E	1	1	1	1	1	1	1	1	1			
F	0	0	0	0	0	0	0	0	0	F	1	1	1	1	1	1	1	1	1			
G	1	1	1	1	1	0	1	1	1	G	0.001	0.001	0.001	0.001	0.001	1	1	1	1			
Н	1	1	1	1	1	0	1	1	1	Н	1	1	1	1	1	1	1	1	1			
I	1	1	1	1	1	0	1	1	1	I	1	1	1	1	1	1	1	1	1			

40 – 90 Mya

	Areas allowed matrix												Dispersal matrix								
	A	В	C	D	E	F	G	Н	I		A	В	C	D	E	F	G	Н	I		
A	0	0	0	0	0	0	0	0	0	A	1	1	1	1	1	1	0.001	1	1		
В	0	0	0	0	0	0	0	0	0	В	1	1	1	1	1	1	0.001	1	1		
C	0	0	1	1	1	0	1	1	1	C	1	1	1	1	1	1	0.001	1	1		
D	0	0	1	1	1	0	1	1	1	D	1	1	1	1	1	1	0.001	1	1		
E	0	0	1	1	1	0	1	1	1	E	1	1	1	1	1	1	1	1	1		
F	0	0	0	0	0	0	0	0	0	F	1	1	1	1	1	1	1	1	1		
G	0	0	1	1	1	0	1	1	1	G	0.001	0.001	0.001	0.001	1	1	1	1	1		
Н	0	0	1	1	1	0	1	1	1	Н	1	1	1	1	1	1	1	1	1		
I	0	0	1	1	1	0	1	1	1	I	1	1	1	1	1	1	1	1	1		