Nodel	Parameter	Achromatic, JND > 1	Achromatic, JND > 2	Achromatic, JND > 3	Chromatic, JND > 1	Chromatic, JND > 2	Chromatic, JND > 3
Breeding Timing							
	Intercept	0.31 (0.02, 5.29), pd = 0.76 0 (0, 0.54), pd = 0.98	0 (0, 0.54), pd = 0.98	0 (0, 0.19), pd = 0.99	0.41 (0.05, 2.79), pd = 0.78 0 (0, 1.73), pd = 0.95	0 (0, 1.73), pd = 0.95	0 (0, 1.37), pd = 0.96
	Breeding Season Length	0.94 (0.54, 1.75), pd = 0.57 0.1 (0.01, 1.05), pd = 0.97	0.1 (0.01, 1.05), pd = 0.97	0.25 (0.03, 1.49), pd = 0.91	0.89 (0.56, 1.4), pd = 0.66 0.14 (0.01, 1.42), pd = 0.94	0.14 (0.01, 1.42), pd = 0.94	0.08 (0, 9.14), pd = 0.83
	Partial Migration vs. No Migration	0.96 (0.31, 2.75), pd = 0.53 4.11 (0.3, 61.54), pd = 0.83	4.11 (0.3, 61.54), pd = 0.83	3.65 (0.44, 35.64), pd = 0.85	2.2 (0.94, 4.89), pd = 0.94 6.7 (0.42, 134.8), pd = 0.88	6.7 (0.42, 134.8), pd = 0.88	71.16 (0.32, 59062.92), pd = 0.92
	Full Migration vs. No Migration	4.97 (0.95, 24.41), pd = 0.96	66.52 (3.19, 1802.4), pd = 0.99	4.97 (0.95, 24.41), pd = 0.96 66.52 (3.19, 1802.4), pd = 0.99 2.2.34 (1.59, 307.91), pd = 0.98 2.2.9 (0.69, 7.31), pd = 0.088 80.51 (2.81, 3432.88), pd = 0.99	2.29 (0.69, 7.31), pd = 0.88	80.51 (2.81, 3432.88), pd = 0.99	234.71 (0.51, 300382.62), pd = 0.95
	Breeding Season Length × Partial Migration	1.34 (0.48, 3.92), pd = 0.68	20.71 (0.87, 589.09), pd = 0.96	1.34 (0.48, 3.92), pd = 0.68 20.71 (0.87, 589.09), pd = 0.96 8.28 (0.76, 109.11), pd = 0.94 1.39 (0.65, 3.12), pd = 0.76 9.03 (0.44, 251.36), pd = 0.9	1.39 (0.65, 3.12), pd = 0.76	9.03 (0.44, 251.36), pd = 0.9	34.46 (0.08, 68228.71), pd = 0.85
	Breeding Season Length × Full Migration	4.84 (0.67, 39.63), pd = 0.9	66.3 (0.59, 11415.7), pd = 0.93	16.41 (0.27, 824.69), pd = 0.89	1.68 (0.31, 8.33), pd = 0.7	160.6 (0.84, 67791.13), pd = 0.95	663 (0.59, 11415.7), pd = 0.93 16.41 (0.27, 824.69), pd = 0.89 1.68 (0.31, 8.33), pd = 0.7 160.6 (0.84, 67791.13), pd = 0.95 433.67 (0.01, 37194569.46), pd = 0.85
	Phylogenetic Signal λ, Median (90% Credible Interval)	0.29 (0.16, 0.43)	0.72 (0.56, 0.86)	0.61 (0.42, 0.8)	0.17 (0.08, 0.28)	0.74 (0.57, 0.88)	0.89 (0.77, 0.97)
<b>Breeding Spacing</b>							
	Intercept	0.14 (0, 7.49), pd = 0.8	0 (0, 2.44), pd = 0.95	0 (0, 0.14), pd = 0.98	0.51 (0.03, 9.7), pd = 0.65 0 (0, 7.63), pd = 0.92	0 (0, 7.63), pd = 0.92	0 (0, 81.95), pd = 0.91
	Island vs. Mainland	1.08 (0.25, 4.79), pd = 0.54	0.53 (0.01, 17.83), pd = 0.61	0.92 (0.05, 19.32), pd = 0.52	0.27 (0.09, 0.89), pd = 0.97 0.03 (0, 3.99), pd = 0.89	0.03 (0, 3.99), pd = 0.89	0.04 (0, 67.59), pd = 0.77
	Breeding Range Size	1.08 (0.88, 1.32), pd = 0.75	1.23 (0.76, 2.01), pd = 0.77	1.3 (0.87, 1.93), pd = 0.87	1.02 (0.87, 1.19), pd = 0.58	1.02 (0.87, 1.19), pd = 0.58 1.24 (0.75, 2.05), pd = 0.77	1.26 (0.54, 2.99), pd = 0.69
	Phylogenetic Signal λ, Median (90% Credible Interval)	0.27 (0.15, 0.41)	0.71 (0.56, 0.85)	0.6 (0.42, 0.77)	0.15 (0.07, 0.25)	0.72 (0.55, 0.86)	0.85 (0.71, 0.95)
<b>Breeding Sympatry</b>							
	Intercept	0.41 (0.03, 5.83), pd = 0.72 0 (0, 0.98), pd = 0.95	0 (0, 0.98), pd = 0.95	0 (0, 0.34), pd = 0.98	0.25 (0.04, 1.35), pd = 0.91 0 (0, 1.12), pd = 0.95	0 (0, 1.12), pd = 0.95	0 (0, 0.29), pd = 0.98
	Number of Sympatric Species (≥ 30% Breeding Range Overlap) 1.03 (0.84, 1.27), pd = 0.61 1.15 (0.74, 1.75), pd = 0.71	1.03 (0.84, 1.27), pd = 0.61	1.15 (0.74, 1.75), pd = 0.71	1.13 (0.76, 1.63), pd = 0.71	1.4 (1.18, 1.67), pd = 0.99	1.4 (1.18, 1.67), pd = 0.99 1.59 (1.01, 2.52), pd = 0.96	2.11 (1.03, 4.46), pd = 0.97
	Phylogenetic Signal A, Median (90% Credible Interval)	0.26 (0.14, 0.39)	0.7 (0.54, 0.83)	0.59 (0.41, 0.77)	0.13 (0.06, 0.23)	0.69 (0.52, 0.83)	0.82 (0.67, 0.94)