Model	Parameter	Achromatic, 1 JND	Achromatic, 2 JND	Achromatic, 3 JND	Chromatic, 1 JND	Chromatic, 2 JND	Chromatic, 3 JND
Breeding Timing							
	Intercept	-1.16 (-3.87, 1.67), pd = 0.76	**-8.36 (-16.28, -0.62), pd = 0.98**	**-7.81 (-14.83, -1.66), pd = 0.99**	-0.88 (-2.98, 1.03), pd = 0.78	**-7.21 (-15.29, 0.55), pd = 0.95**	**-12.71 (-26.03, 0.31), pd = 0.96**
	Breeding Season Length	-0.05 (-0.62, 0.56), pd = 0.57	**-2.26 (-4.72, 0.05), pd = 0.97**	**-1.39 (-3.56, 0.4), pd = 0.91**	-0.12 (-0.59, 0.34), pd = 0.66	**-1.99 (-4.64, 0.35), pd = 0.94**	-2.5 (-8.12, 2.21), pd = 0.83
	Partial Migration vs. No Migration	-0.04 (-1.16, 1.01), pd = 0.53	1.41 (-1.2, 4.12), pd = 0.83	1.29 (-0.82, 3.57), pd = 0.85	**0.79 (-0.06, 1.59), pd = 0.94**	1.9 (-0.87, 4.9), pd = 0.88	**4.26 (-1.13, 10.99), pd = 0.92**
	Full Migration vs. No Migration	**1.6 (-0.05, 3.19), pd = 0.96**	**4.2 (1.16, 7.5), pd = 0.99**	**3.11 (0.46, 5.73), pd = 0.98**	0.83 (-0.37, 1.99), pd = 0.86	**4.39 (1.03, 8.14), pd = 0.99**	**5.46 (-0.68, 12.61), pd = 0.95**
	Breeding Season Length x Partial Migration	0.29 (-0.73, 1.37), pd = 0.68	**3.03 (-0.14, 6.38), pd = 0.96**	**2.11 (-0.27, 4.69), pd = 0.94**	0.33 (-0.43, 1.14), pd = 0.76	**2.2 (-0.82, 5.53), pd = 0.9**	3.54 (-2.58, 11.13), pd = 0.85
	Breeding Season Length x Full Migration	**1.58 (-0.4, 3.68), pd = 0.9**	**4.19 (-0.53, 9.34), pd = 0.93**	2.8 (-1.3, 6.72), pd = 0.89	0.52 (-1.16, 2.12), pd = 0.7	**5.08 (-0.18, 11.12), pd = 0.95**	6.07 (-4.27, 17.43), pd = 0.85
	Phylogenetic Signal , Median (90% Credible Interval)	0.29 (0.16, 0.42)	0.72 (0.56, 0.86)	0.61 (0.42, 0.8)	0.17 (0.08, 0.26)	0.74 (0.57, 0.88)	0.89 (0.77, 0.97)
Breeding Spacing							
	Intercept	-1.94 (-6.01, 2.01), pd = 0.8	**-9.77 (-20.11, 0.89), pd = 0.95**	**-10.31 (-19.2, -1.98), pd = 0.98**	-0.07 (-3.63, 2.27), pd = 0.65	**-8.32 (-18.86, 2.03), pd = 0.92**	**-12.87 (-30.57, 4.41), pd = 0.91**
	Island vs. Mainland	0.08 (-1.38, 1.57), pd = 0.54	-0.04 (-4.43, 2.88), pd = 0.61	-0.09 (-3.02, 2.96), pd = 0.52	**-1.3 (-2.45, -0.12), pd = 0.97**	-3.39 (-8.67, 1.38), pd = 0.89	-3.26 (-12.57, 4.21), pd = 0.77
	Breeding Range Size	0.08 (-0.13, 0.28), pd = 0.75	0.21 (-0.27, 0.7), pd = 0.77	0.26 (-0.14, 0.66), pd = 0.87	0.02 (-0.14, 0.18), pd = 0.58	0.21 (-0.29, 0.72), pd = 0.77	0.23 (-0.62, 1.1), pd = 0.69
	Phylogenetic Signal , 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)
Breeding Sympatry							
	Intercept	-0.9 (-3.45, 1.76), pd = 0.72	**-6.89 (-14.7, -0.02), pd = 0.95**	**-6.74 (-13.39, -1.09), pd = 0.98**	**-1.38 (-3.25, 0.3), pd = 0.91**	**-6.34 (-13.61, 0.11), pd = 0.95**	**-11.29 (-22.79, -1.24), pd = 0.98**
	Number of Sympatric Species (30% Breeding Range Overlap)	0.03 (-0.18, 0.24), pd = 0.61	0.14 (-0.31, 0.56), pd = 0.71	0.12 (-0.27, 0.49), pd = 0.71	**0.34 (0.17, 0.51), pd = 0.99**	**0.46 (0.01, 0.92), pd = 0.96**	**0.75 (0.03, 1.5), pd = 0.97**
	Phylogenetic Signal , 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)	0.92 (0.67, 0.94)