|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Fixed Effects** | **DIC** | **Percent Heterogeneity** | | | **Phylogenetic Signal** |
| **Study** | **Species** | **Total** |
| Mixed without the Phylogeny | Pigment type, Vertebrate or Invertebrate, Sex, Plasticity | -168.3898 | 0.169793 | 0.183677 | 0.35347 | 0.272759 |
| Mixed | Pigment type, Vertebrate or invertebrate, Sex, Plasticity | -179.7628 | 0.264771 | 0.592589 | 0.85736 | 0.5446886 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Posterior Mean** | **Lower 95% CI** | **Upper 95% CI** | **pMCMC** |
| Intercept | 0.27409 | -0.16427 | 0.72086 | 0.211 |
| Eumelanin | 0.11803 | -0.04916 | 0.29166 | 0.179 |
| Pheomelanin | 0.05907 | -0.20167 | 0.29972 | 0.643 |
| **Unknown** | **0.42004** | **0.11640** | **0.70004** | **0.008** |
| Vertebrates | -0.11121 | -0.57538 | 0.34663 | 0.579 |
| Females | -0.16919 | -0.41832 | 0.06963 | 0.183 |
| Males | -0.10077 | -0.32084 | 0.09929 | 0.330 |
| Plastic | 0.06856 | -0.10308 | 0.22533 | 0.413 |