|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Fixed Effects** | **DIC** | **Percent Heterogeneity** | | | **Phylogenetic Signal** |
| **Study** | **Species** | **Total** |
| Mixed using correlation coefficient without the Phylogeny | Pigment Class, Vertebrate or Invertebrate, Sex, Plasticity | -6.9297 | 37.189 | 3.043 | 40.232 | 0.050 |
| Mixed using correlation coefficient | Pigment Class, Vertebrate or Invertebrate, Sex, Plasticity | -7.1390 | 36.324 | 6.796 | 43.120 | 0.109 |
| Mixed using Fisher Z without the Phylogeny | Pigment Class, Vertebrate or Invertebrate, Sex, Plasticity | -233.1065 | 1.114 | 0.236 | 1.350 | 0.158 |
| Mixed using Fisher Z without location as a random effect | Pigment Class, Vertebrate or Invertebrate, Sex, Plasticity | -235.9867 | 1.248 | 0.604 | 1.852 | 0.302 |