Table 2. Estimates and higher and lower 95% credibility intervals (CI) for LD50 and mean volume. Fixed factors include mass; LD50 method (subcutaneous (SC), intravenous (IV), intrapulmonary (IP) and intramuscular (IM)); habitat dimensionality (Dim- 2D and 3D); Presence of eggs in diet (Eggs in Diet) and the mean phylogenetic distance between diet species and the LD50 model (Diet-LD50 Dist). The random terms and the co-variance (CV) between LD50 and volume are also presented. The model was run with 12,000,000 iterations with a 2,000,000 burn-in and a thinning of 5000.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **LD50** | | | | | **Mean Volume** | | | |
|  | Estimate | | | Lower CI | Upper CI |  | Estimate | Lower CI | Upper CI |
| **Fixed Terms** | |  | |  |  |  |  |  |  |
| Intercept | | 0.200 | | -0.161 | 0.567 |  | 0.200 | -0.161 | 0.567 |
| Mass | | **0.134** | | **0.016** | **0.262** |  | **0.510** | **0.442** | **0.564** |
| LD50 methodSC | |  | |  |  |  |  |  |  |
| *IV* | | **-0.624** | | **-0.842** | **-0.435** |  | -0.011 | -0.052 | 0.030 |
| *IP* | | **-0.537** | | **-0.746** | **-0.309** |  | -0.010 | -0.049 | 0.033 |
| *IM* | | -0.228 | | -0.455 | 0.049 |  | -0.009 | -0.056 | 0.042 |
| Dim2D | |  | |  |  |  |  |  |  |
| *3D* | | -0.202 | | -0.670 | 0.243 |  | **-0.829** | **-1.286** | **-0.396** |
| Eggs in Diet | | 0.448 | | -0.162 | 0.021 |  | **-0.741** | **-1.325** | **-0.206** |
| Diet-LD50 Dist | | **0.360** | | **0.248** | **0.463** |  | -0.003 | -0.029 | 0.019 |
|  | |  | |  |  |  |  |  |  |
| **Random Terms** | | |  |  |  |  |  |  |  |
| Phylogeny | | 0.909 | | 0.479 | 1.452 |  | 0.456 | 0.145 | 0.847 |
| Phylogeny CV | | -0.003 | | -0.290 | 0.301 |  | -0.003 | -0.290 | 0.301 |
| Species | | 0.055 | | 0.001 | 0.170 |  | 0.308 | 0.156 | 0.462 |
| Species CV | | 0.030 | | -0.040 | 0.118 |  | 0.030 | -0.040 | 0.118 |
| Residuals | | 0.268 | | 0.215 | 0.328 |  | 0.009 | 0.007 | 0.011 |
| Residuals CV | | 0.003 | | -0.004 | 0.011 |  | 0.003 | -0.004 | 0.011 |