Table 1: **Multilevel Meta-analytic Models for Exploratory Analyses**

|  | lnRR | | | | | | | | | SMDH | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Level | Q | Q p-val | R²\_mar | Estimate | P-val | 95% CI | 95% PI | k | n | Q | Q p-val | R²\_mar | Estimate | P-val | 95% CI | 95% PI | k | n |
| Bird Species | | | | | | | | | | | | | | | | | | |
| Buteo buteo |  |  |  | -0.108 | 0.723 | [-0.711,0.494] | [-0.837,0.620] | 9 | 1 |  |  |  | -0.251 | 0.730 | [-1.684,1.182] | [-2.250,1.748] | 9 | 1 |
| Cyanistes caeruleus |  |  |  | 0.006 | 0.970 | [-0.284,0.296] | [-0.496,0.507] | 70 | 10 |  |  |  | 0.084 | 0.869 | [-0.920,1.088] | [-1.633,1.802] | 76 | 10 |
| Parus major |  |  |  | -0.037 | 0.812 | [-0.344,0.269] | [-0.548,0.474] | 19 | 1 |  |  |  | 0.655 | 0.269 | [-0.508,1.818] | [-1.161,2.470] | 22 | 1 |
| Passer cinnamomeus |  |  |  | 0.224 | 0.194 | [-0.114,0.561] | [-0.307,0.754] | 6 | 1 |  |  |  | 0.952 | 0.192 | [-0.482,2.385] | [-1.047,2.951] | 6 | 1 |
| Sturnus unicolor |  |  |  | -0.010 | 0.944 | [-0.304,0.283] | [-0.514,0.493] | 44 | 5 |  |  |  | 0.069 | 0.894 | [-0.957,1.096] | [-1.662,1.800] | 45 | 5 |
| Sturnus vulgaris |  |  |  | 0.040 | 0.787 | [-0.251,0.331] | [-0.462,0.542] | 83 | 6 |  |  |  | 0.279 | 0.588 | [-0.733,1.291] | [-1.443,2.001] | 84 | 6 |
| Tachycineta bicolor |  |  |  | 0.038 | 0.808 | [-0.271,0.347] | [-0.474,0.551] | 12 | 2 |  |  |  | 0.121 | 0.828 | [-0.970,1.212] | [-1.649,1.891] | 16 | 2 |
| Heterogeneity | 1884.85 | <0.001 | 0.049 |  |  |  |  |  |  | 1111.16 | <0.001 | 0.086 |  |  |  |  |  |  |
| Experimental Design | | | | | | | | | | | | | | | | | | |
| Non-aromatic vs. Aromatic |  |  |  | -0.030 | 0.522 | [-0.122, 0.062] | [-0.363,0.303] | 132 | 17 |  |  |  | -0.056 | 0.735 | [-0.380,0.268] | [-1.490,1.378] | 143 | 17 |
| No added material vs. Aromatic |  |  |  | 0.144 | **0.003** | [ 0.048, 0.239] | [-0.190,0.477] | 84 | 11 |  |  |  | 0.724 | **0.000** | [ 0.352,1.096] | [-0.721,2.170] | 87 | 11 |
| No added material vs. Non-aromatic |  |  |  | -0.262 | **0.000** | [-0.404,-0.121] | [-0.612,0.087] | 11 | 3 |  |  |  | -0.434 | 0.167 | [-1.050,0.183] | [-1.960,1.093] | 12 | 3 |
| Heterogeneity | 2233.68 | <0.001 | 0.295 |  |  |  |  |  |  | 1095.15 | <0.001 | 0.239 |  |  |  |  |  |  |
| Parasite Type | | | | | | | | | | | | | | | | | | |
| Arthropod |  |  |  | 0.013 | 0.897 | [-0.185,0.211] | [-0.779,0.805] | 56 | 13 |  |  |  | 0.144 | 0.292 | [-0.126,0.414] | [-1.107,1.395] | 59 | 13 |
| Micro-organism |  |  |  | -0.040 | 0.724 | [-0.267,0.186] | [-0.840,0.759] | 26 | 6 |  |  |  | -0.025 | 0.890 | [-0.385,0.335] | [-1.299,1.248] | 27 | 6 |
| Heterogeneity | 759.62 | <0.001 | 0.004 |  |  |  |  |  |  | 318.88 | <0.001 | 0.016 |  |  |  |  |  |  |
| Time of Green Nest Material Addition | | | | | | | | | | | | | | | | | | |
| After egg hatching |  |  |  | 0.027 | 0.425 | [-0.039,0.093] | [-0.273,0.327] | 52 | 5 |  |  |  | 0.268 | 0.070 | [-0.022,0.559] | [-0.767,1.304] | 57 | 5 |
| Before egg hatching |  |  |  | -0.001 | 0.965 | [-0.048,0.046] | [-0.297,0.295] | 93 | 9 |  |  |  | 0.059 | 0.539 | [-0.130,0.248] | [-0.953,1.070] | 93 | 9 |
| Continously through nesting phase |  |  |  | 0.030 | 0.192 | [-0.015,0.076] | [-0.266,0.327] | 98 | 12 |  |  |  | 0.280 | **0.017** | [ 0.050,0.510] | [-0.740,1.300] | 108 | 12 |
| Heterogeneity | 2281.87 | <0.001 | 0.010 |  |  |  |  |  |  | 1121.93 | <0.001 | 0.041 |  |  |  |  |  |  |
| Trait Type Category | | | | | | | | | | | | | | | | | | |
| Behaviour |  |  |  | 0.033 | 0.757 | [-0.177,0.244] | [-0.332,0.398] | 8 | 2 |  |  |  | 0.153 | 0.574 | [-0.381,0.687] | [-0.991,1.297] | 8 | 2 |
| Morphology |  |  |  | 0.031 | 0.142 | [-0.010,0.072] | [-0.270,0.332] | 67 | 16 |  |  |  | 0.260 | **0.008** | [ 0.068,0.452] | [-0.769,1.290] | 70 | 16 |
| Parasitic and Pathogen Related |  |  |  | -0.035 | 0.335 | [-0.105,0.036] | [-0.341,0.272] | 86 | 16 |  |  |  | 0.117 | 0.220 | [-0.070,0.304] | [-0.912,1.146] | 90 | 16 |
| Phenology |  |  |  | 0.004 | 0.961 | [-0.152,0.159] | [-0.332,0.340] | 4 | 3 |  |  |  | 0.087 | 0.760 | [-0.476,0.650] | [-1.070,1.245] | 4 | 3 |
| Physiology |  |  |  | 0.026 | 0.514 | [-0.052,0.103] | [-0.282,0.333] | 22 | 9 |  |  |  | 0.153 | 0.299 | [-0.137,0.443] | [-0.899,1.206] | 23 | 9 |
| Reproduction |  |  |  | 0.010 | 0.724 | [-0.044,0.064] | [-0.293,0.312] | 56 | 16 |  |  |  | 0.160 | 0.093 | [-0.027,0.347] | [-0.869,1.189] | 63 | 19 |
| Heterogeneity | 2187.61 | <0.001 | 0.034 |  |  |  |  |  |  | 1098.45 | <0.001 | 0.013 |  |  |  |  |  |  |