**Table S5.** Contrasts of G x E interaction on prevalence of malformations. Environment (E) refers to the three different road salt treatments. The model was composed with the original interaction effect of G x E reformulated as one main effect (referred to as G x E†) comprising six levels (two demes X three treatments). Three contrasts were selected to infer responses between demes (R = roadside; W = woodland) within each treatment (L = low; M = medium; H = high). The remaining two orthogonal contrasts tested for differences between treatments irrespective of deme.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | ***Coefficient*** | ***Posterior mean***  | ***Lower HPD*** | ***Upper HPD*** | ***Pmcmc*** |
|  |  | Without embryo size covariate /With embryo size covariate |
| Malformation ~ Gx E†  | Intercept | -2.249 / -3.588 | -2.454 /-5.732 | -2.023/ -1.364 | < 0.001 / 0.001 |
|  | RL vs. WL | 0.0009 / 0.027 | -0.417 / -0.396 | 4.155 / 0.419 | 0.998 / 0.906 |
|  | RM vs. WM | 0.263 / 0.296 | -0.043 / -0.006 | 0.562 / 0.610 | 0.098 / 0.061 |
|  | RH vs. WH | -0.364 / -0.334 | -0.625 / -0.607 | -0.081 / -0.063 | 0.007 / 0.013 |
|  | M vs. L | 3.337 /3.318 |  2.756 /2.780 | 3.875 /3.908 | < 0.001 /< 0.001 |
|  | M vs. H | -3.653 /-3.656 | -4.106 /-4.077 | -3.212 /-3.203 | < 0.001 /< 0.001 |
|  | Embryo size | NA / 44.720 | NA / -30.841 | NA / 114.389 | NA / 0.222 |