**Supplementary Material, Table 1**: Results of the negative binomial count model of breakdown duration (untransformed model coefficients)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Random Effects | **Variance** | **Std.Dev.** |  |  |
| herd\_id (Intercept) | 0.048 | 0.218 |  |  |
| dvo (Intercept) | 0.005 | 0.068 |  |  |
| year (Intercept) | 0.006 | 0.077 |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fixed effects | **Estimate** | **Std. Error** | **z value** | **p** |
| Intercept | 4.881 | 0.052 | 93.391 | <0.001 |
| log(herd\_size) | 0.045 | 0.005 | 9.631 | <0.001 |
| log(outbreak\_reactors) | 0.047 | 0.006 | 7.558 | <0.001 |
| log(mean\_patch\_prev) | 0.037 | 0.014 | 2.589 | 0.010 |
| log(MLVA\_Richness) | 0.484 | 0.014 | 34.518 | <0.001 |
| LRS\_binary1 | 0.113 | 0.011 | 9.865 | <0.001 |
| associated\_herds\_binary1 | 0.093 | 0.013 | 7.380 | <0.001 |
| previous\_breakdown | 0.039 | 0.012 | 3.255 | 0.001 |