

Table S5. Output of linear mixed effects models of viral titre in either virus+ bees (groups: microbiota+|virus+ and microbiota-|virus+) or virus- bees (groups: microbiota+|virus- and microbiota-|virus-). Listed are estimates, confidence intervals (CI) and associated p-values for the predictors in the models, random effects variances (between groups: σ^2 and within-groups: τ_{00}), intraclass correlation coefficient (ICC), number of groups , number of observations, marginal and conditional R².

| <i>Predictors</i> | Virus titre in virus+ bees | | | Virus titre in virus- bees | | |
|---|-----------------------------------|-------------------------------------|--------------|-----------------------------------|-------------------------|----------|
| | <i>Estimates</i> | <i>CI</i> | <i>p</i> | <i>Estimates</i> | <i>CI</i> | <i>p</i> |
| (Intercept) | 51908285714.29 | 12952952974.68 – 90863618453.89 | 0.009 | 16650.00 | -44046.53 – 77346.53 | 0.591 |
| microbiota-virus+ | <i>Reference</i> | | | | | |
| microbiota+virus+ | 9366089285.71 | -43975696905.79 – 62707875477.22 | 0.731 | | | |
| microbiota-virus- | | | | <i>Reference</i> | | |
| microbiota+virus- | | | | 27991.25 | -1671.02 – 57653.52 | 0.064 |
| Random Effects | | | | | | |
| σ^2 | 2765258235946428530628.00 | | | 916162810.00 | | |
| τ_{00} | 0.00 colony | | | 1689016121.45 colony | | |
| ICC | | | | 0.65 | | |
| N | 2 colony | | | 2 colony | | |
| Observations | 15 | | | 16 | | |
| Marginal R ² / Conditional R ² | 0.008 / NA | | | 0.074 / 0.674 | | |