**Supplementary Table S6.** One-way *ANOVA* statistics describing treatment differences in Hartwood and Auchincruive Cu-amended agricultural plots.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Hartwood Site** |  | Sum of squares | d.f. | Mean squares | F | Sig. |
| $$log\left(\frac{tet(M)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 2.7892.9015.691 | 4610 | 0.6970.484 | 1.442 | 0.327 |
| $$log\left(\frac{tet(W)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 1.7606.8308.590 | 4711 | 0.4400.976 | 0.451 | 0.770 |
| $$log\left(\frac{bla\_{TEM}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.9540.4891.443 | 4711 | 0.2380.070 | 3.411 | 0.075 |
| $$log\left(\frac{bla\_{SHV}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 1.2380.4781.716 | 4711 | 0.3100.068 | 4.535 | 0.040 |
| $$log\left(\frac{bla\_{CTX}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 1.5760.7462.322 | 4610 | 0.3940.124 | 3.168 | 0.100 |
| $$log\left(\frac{erm(F)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.4061.4661.872 | 4610 | 0.1020.244 | 0.416 | 0.792 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Auchincruive Site** |  | Sum of squares | d.f. | Mean squares | F | Sig. |
| $$log\left(\frac{tet(M)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 2.2523.8556.106 | 4812 | 0.5630.482 | 1.168 | 0.393 |
| $$log\left(\frac{tet(W)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 1.2323.3234.555 | 4812 | 0.3080.415 | 0.742 | 0.590 |
| $$log\left(\frac{bla\_{TEM}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.0870.1530.240 | 4812 | 0.0220.019 | 1.147 | 0.401 |
| $$log\left(\frac{bla\_{SHV}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.1500.1440.294 | 4812 | 0.0380.018 | 2.078 | 0.176 |
| $$log\left(\frac{bla\_{CTX}}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.7161.1381.854 | 4812 | 0.1790.142 | 1.259 | 0.361 |
| $$log\left(\frac{erm(F)}{16S rRNA}\right)$$ | Between groupsWithin groupsTotal | 0.1701.5541.724 | 4812 | 0.0430.194 | 0.219 | 0.920 |