Table S2. Summary of PERMANOVA. Variation of ant species composition in habitats with different types of disturbance (fire and flood) at different time scales related to burning (short-term, medium-term, and long-term).

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| --- |
| Short-term |
|  | F.Model | R2 | Pr(>F) |
| factor(elevation) | 1.3364 | 0.12568 | 0.234 |
| factor(fire) | 1.9283 | 0.18135 | 0.019\* |
| factor(elevation):factor(fire) | 1.3687 | 0.12871 | 0.204 |
| Residuals |  | 0.56426 |  |
| Medium-term |
|  | F.Model | R2 | Pr(>F) |
| factor(elevation) | 0.88521 | 0.03496 | 0.557 |
| factor(fire\_2015) | 2.29732 | 0.09073 |  0.007 \* |
| factor(elevation):factor(fire\_2015) | 1.13659 | 0.04489 | 0.333 |
| Residuals |  | 1 |  |
| Long-term |
|  | F.Model | R2 | Pr(>F) |
| factor(elevation) | 1.03263 | 0.1798 | 0.4426 |
| factor(fire\_history) | 0.80716 | 0.03514 | 0.6833 |
| factor(elevation):factor(fire-history) | 1.01163 | 0.13211 | 0.4645 |
| Residuals |  | 0.65295 |  |