**Table S3** Linear mixed effects model evaluating effect of treatments on *H. mollis* coverage over time. FGx refers to the presence of the functional group in question, PC to the precipitation change treatment.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatment | |  | *Holcus mollis* cover | |
|  | d.f | | F | P |
| Intercept | **1** | | **937.19** | **<0.001** |
| PC | 1 | | 2.77 | 0.103 |
| FG1 present | 1 | | **5.89** | **0.020** |
| FG2 present | 1 | | 0.52 | 0.474 |
| FG3 present | 1 | | **0.49** | 0.487 |
| PC x FG1 | **1** | | 2.59 | 0.115 |
| PC x FG2 | 1 | | 0.16 | 0.691 |
| PC x FG3 | 1 | | **0.11** | 0.746 |
| FG1 x FG2 | 1 | | 2.35 | 0.133 |
| FG1 x FG3 | 1 | | 0.04 | 0.836 |
| FG2 x FG3 | 1 | | 0.06 | 0.809 |
| Residuals | 42 | |  |  |
| Month | 5 | | **35.15** | **<0.001** |
| FG1 x Month | 5 | | **4.78** | **<0.001** |
| FG2 x Month | 5 | | 1.34 | 0.250 |
| FG3 x Month | 5 | | 0.64 | 0.672 |
| PC x Month | 5 | | 0.12 | 0.987 |
| PC x FG1 x Month | 5 | | 0.78 | 0.564 |
| PC x FG2 x Month | 5 | | 0.45 | 0.816 |
| PC x FG3 x Month | 5 | | 0.65 | 0.662 |
| FG1 x FG2 x Month | 5 | | 0.77 | 0.571 |
| FG1 x FG3 x Month | 5 | | 0.99 | 0.424 |
| FG2 x FG3 x Month | 5 | | 1.32 | 0.255 |
| Residuals | 225 | |  |  |