Table S1. The corrected *P*-values and effect sizes reported by the Adonis test when performed on weighted unifrac distances between sample groups

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Part | Compared mice groups | | | | *P*-value | Effect size |
|  | Group A | | Group B | |  |  |
|  | DSS | Mice | DSS | Mice |  |  |
| Caecum | - | GKf/f | - | Villin-Cre;GKf/f | 0.3820 | 0.50 |
| + | GKf/f | + | Villin-Cre;GKf/f | 0.6136 | 0.06 |
| - | GKf/f | + | GKf/f | 0.5367 | 0.20 |
| - | Villin-Cre;GKf/f | + | Villin-Cre;GKf/f | 0.3820 | 0.24 |
| Rectum | - | GKf/f | - | Villin-Cre;GKf/f | 0.2000 | 0.56 |
| + | GKf/f | + | Villin-Cre;GKf/f | 0.2343 | 0.12 |
| - | GKf/f | + | GKf/f | 0.1204 | 0.27 |
| - | Villin-Cre; GKf/f | + | Villin-Cre;GKf/f | 0.0497\* | 0.48 |

\* indicates a statistical significance (*P*-value is adjusted by Holm’s correction; *P*<0.05)