Table S3:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Elevation | Factor | Df | SS | MeanSqs | *F* | R2 | *P* |
| 2480m | *Castilleja* present  | 1 | 0.044 | 0.04392 | 0.427 | 0.0220 | 0.85 |
|  | **Plot pairing** | **1** | **0.279** | **0.27928** | **2.714** | **0.1399** | **0.02** |
|  | *Cas.* present × Pairing | 1 | 0.026 | 0.02596 | 0.252 | 0.0130 | 0.90 |
|  | Residuals | 16 | 1.646 | 0.10290 |  | 0.8250 |  |
|  | Total | *19* | 1.996 |  |  | 1.0000 |  |
|  |  |  |  |  |  |  |  |
| 2740m | *Castilleja* present  | 1 | 0.125 | 0.12511 | 1.106 | 0.0571 | 0.38 |
|  | Plot pairing | 1 | 0.185 | 0.18517 | 1.637 | 0.0846 | 0.13 |
|  | *Cas.* present × Pairing | 1 | 0.070 | 0.06964 | 0.616 | 0.0318 | 0.77 |
|  | Residuals | 16 | 1.810 | 0.11311 |  | 0.8265 |  |
|  | Total | *19* | 2.190 |  |  | 1.0000 |  |
|  |  |  |  |  |  |  |  |
| 3200m | *Castilleja* present  | 1 | 0.141 | 0.14051 | 1.653 | 0.0832 | 0.20 |
|  | Plot pairing | **1** | 0.133 | 0.13341 | 1.570 | 0.0790 | 0.20 |
|  | *Cas.* present × Pairing | 1 | 0.054 | 0.05451 | 0.641 | 0.0323 | 0.69 |
|  | Residuals | 16 | 1.360 | 0.08500 |  | 0.8054 |  |
|  | Total | *19* | 1.688 |  |  | 1.0000 |  |
|  |  |  |  |  |  |  |  |
| 3392m | *Castilleja* present  | 1 | 0.061 | 0.06075 | 1.000 | 0.0491 | 0.45 |
|  | Plot pairing | 1 | 0.120 | 0.11972 | 1.971 | 0.0968 | 0.08 |
|  | *Cas.* present × Pairing | 1 | 0.085 | 0.08506 | 1.401 | 0.0688 | 0.18 |
|  | Residuals | 16 | 0.972 | 0.06072 |  | 0.7854 |  |
|  | Total | *19* | 1.237 |  |  | 1.0000 |  |
|  |  |  |  |  |  |  |  |
| 3460m | *Castilleja* present  | 1 | 0.090 | 0.09031 | 0.695 | 0.0360 | 0.64 |
|  | Plot pairing | 1 | 0.286 | 0.28609 | 2.202 | 0.1142 | 0.06 |
|  | *Cas.* present × Pairing | 1 | 0.051 | 0.05064 | 0.390 | 0.0202 | 0.84 |
|  | Residuals | 16 | 2.079 | 0.12992 |  | 0.8296 |  |
|  | Total | *19* | 2.506 |  |  | 1.0000 |  |