Appendix S4

Table S1: Standardized path coefficients for effects of reproductive traits and probability of attack by the butterfly *P. alcon* on the number of intact fruits in the plant *G. pneumonanthe*. Estimates are from saturated models fitted to each population in each year. Phen = flowering phenology, Shoot h = shoot height, N fl = number of flowers, Attack = probability of attack and N int fr = number of intact fruits. Significant coefficients (bootstrap-corrected p < 0.05) are depicted in bold, and marginally significant coefficients (p < 0.1) in italics.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Population | Year | Phen → | N fl → | Shoot h → | Attack → | Shoot h → | Phen → | N fl → | Phen ↔ | N fl ↔ | Phen ↔ |
| Attack | Attack | Attack | N int fr | N int fr | N int fr | N int fr | Shoot h | Shoot h | N fl |
| A | 2010 | 0.08 | *0.24* | 0.05 | -0.17 | -0.08 | -0.13 | **0.68** | **0.25** | **0.63** | **0.33** |
| 2011 | **0.39** | **0.37** | -0.14 | **-0.20** | **-0.41** | -0.06 | **0.92** | **0.38** | **0.71** | **0.61** |
| B | 2010 | 0.02 | **0.32** | 0.08 | **-0.30** | 0.10 | **-0.24** | **0.49** | **0.40** | **0.49** | **0.48** |
| 2011 | 0.16 | **0.37** | 0.09 | **-0.52** | 0.06 | 0.12 | **0.51** | **0.30** | **0.53** | **0.61** |
| C | 2010 | **0.25** | -0.06 | **0.26** | -0.10 | -0.04 | 0.08 | **0.78** | **0.48** | **0.37** | **0.49** |
| 2011 | 0.12 | **0.51** | -0.14 | -0.09 | 0.25 | 0.01 | 0.27 | **0.58** | **0.81** | **0.53** |
| D | 2011 | 0.22 | *0.26* | -0.07 | 0.26 | -0.02 | -0.06 | 0.15 | **0.28** | **0.42** | **0.59** |
| E | 2010 | **0.30** | -0.13 | 0.05 | -0.01 | 0.09 | -0.15 | **0.47** | **0.52** | **0.73** | **0.67** |
| 2011 | **0.18** | **0.52** | -0.17 | -0.16 | -0.10 | -0.10 | **0.58** | **0.25** | **0.64** | **0.46** |
| F | 2010 | **0.21** | **0.35** | 0.17 | *-0.21* | 0.01 | -0.11 | **0.44** | **0.49** | **0.67** | **0.55** |
| 2011 | 0.19 | **0.37** | -0.04 | **-0.26** | -0.01 | -0.09 | **0.35** | **0.56** | **0.67** | **0.62** |
| G | 2010 | 0.08 | **0.29** | 0.08 | -0.02 | -0.01 | **-0.33** | **0.41** | **0.38** | **0.54** | **0.51** |
| 2011 | 0.00 | **0.46** | 0.17 | **-0.25** | **-0.25** | 0.14 | **0.25** | **0.19** | **0.58** | **0.54** |
| H | 2010 | 0.15 | **0.41** | -0.17 | **-0.22** | 0.04 | -0.09 | **0.39** | **0.29** | **0.58** | **0.28** |
| 2011 | **0.24** | 0.21 | -0.12 | **-0.55** | -0.14 | 0.01 | **0.62** | **0.12** | **0.52** | **0.44** |
| I | 2010 | **0.35** | **0.19** | 0.00 | -0.18 | 0.17 | **-0.25** | -0.03 | **0.32** | **0.33** | **0.39** |
| 2011 | **0.49** | 0.00 | **0.30** | **-0.62** | -0.03 | 0.06 | 0.00 | **0.33** | **0.53** | **0.39** |
| J | 2010 | **0.29** | **0.29** | 0.08 | 0.13 | **0.29** | 0.07 | 0.10 | **0.10** | **0.58** | **0.24** |
| 2011 | **0.23** | **0.33** | 0.10 | 0.02 | 0.08 | 0.05 | 0.09 | **0.23** | **0.44** | **0.52** |
| K | 2010 | **0.39** | **-0.29** | 0.11 | **-0.18** | 0.03 | 0.02 | **0.78** | **0.57** | **0.70** | **0.58** |
| 2011 | **0.27** | *0.22* | *0.23* | **-0.37** | -0.12 | 0.06 | *0.84* | **0.61** | **0.71** | **0.75** |