Table S5 REML variance components analyses for aphid count data from N. ribisnigri biotype Nr:0

| Degnonge werigte. | or the numbers of Nr:0 alate (w | inged) aphids |
|---|---|--|
| Response variate: | SQRT((Winged+0.375)) Constant + Name Rep + Rep.Block + Rep.Block.Plot 774 (70 units excluded due to zero weights or missing values) | |
| Fixed model: Random model: Number of units: | | |
| Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc | | |
| stimated variance components | | |
| Random term Rep | component 1.473 | s.e. 0.762 |
| Rep.Block | -0.056 | 0.084 |
| Residual variance model | | |
| erm ep.Block.Plot | Factor Identity | Model(order) Parameter Estimate s.e. Sigma2 4.699 0.27 |
| Fixed term Name | Wald statistic 442.49 | n.d.f. F statistic d.d.f. F pr 95 4.66 643.3 <0.0 |
| ninLSD 1.891 | meanLSD 2.141 | maxLSD 2.851 |
| EML variance components analysis f | or number of Nr:0 apterous (non | -winged) aphids |
| Response variate: Fixed model: | SQRT((Non_winged+0.375)) Constant + Name | |
| Random model: Number of units: | Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due | k.Plot to zero weights or missing values) |
| Rep.Block.Plot used as residual ter | m | |
| on-sparse algorithm with Fisher sc | oring | |
| stimated variance components | | |
| andom term | component | s.e. |
| ep ep.Block | 4.2 -0.25 | 2.17 0.25 |
| esidual variance model | | |
| erm ep.Block.Plot | Factor Identity | Model(order) Parameter Estimate s.e. Sigma2 14.65 0.84 |
| ests for fixed effects | | |
| equentially adding terms to fixed : | model | |
| ixed term ame | Wald statistic 539.85 | n.d.f. F statistic d.d.f. F pr 95 5.68 639.5 <0.0 |
| propping individual terms from full | fixed model | |
| ixed term | Wald statistic 539.85 | n.d.f. F statistic d.d.f. F pr 95 5.68 639.5 <0.0 |
| lame | 229.62 | 95 5.68 639.5 <0.0 |
| linLSD | meanLSD 3.769 | maxLSD |
| | | 5.025 |
| 3.327 | or Nr.0 total aphid number | 5.025 |
| 1.327 MEML variance components analysis f | | 5.025 |
| .327 EML variance components analysis f Response variate: ixed model: | SQRT((Total+0.375)) Constant + Name | |
| .327 EML variance components analysis f Response variate: ixed model: andom model: | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc | |
| EML variance components analysis f tesponse variate: ixed model: andom model: humber of units: tep.Block.Plot used as residual ter | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m | .Plot |
| REML variance components analysis f Response variate: 'ixed model: Random model: Rumber of units: Rep.Block.Plot used as residual ter | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m | .Plot |
| REML variance components analysis f Response variate: rixed model: Rumber of units: Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m | .Plot |
| EML variance components analysis f Response variate: 'ixed model: lumber of units: tep.Block.Plot used as residual ter ton-sparse algorithm with Fisher sc Estimated variance components Random term tep | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m | .Plot |
| EML variance components analysis f Response variate: 'ixed model: Rumber of units: Rumber of units: Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc Stimated variance components Random term Rep Rep.Block | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 | k.Plot • to zero weights or missing values) s.e. 2.7 |
| ELL variance components analysis f Response variate: Fixed model: tandom model: tumber of units: Rep.Block.Plot used as residual ter ton-sparse algorithm with Fisher sc estimated variance components tandom term tep tep.Block Residual variance model Perm | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 | k.Plot • to zero weights or missing values) s.e. 2.7 |
| EAST EMEL variance components analysis f Response variate: 'ixed model: Rumber of units: Rumber of units: Rep.Block.Plot used as residual ter Ron-sparse algorithm with Fisher sc Satimated variance components Random term Rep Rep.Block Residual variance model 'erm Rep.Block.Plot | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor | k.Plot to zero weights or missing values) s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. |
| REML variance components analysis f Response variate: Fixed model: Number of units: Rep.Block.Plot used as residual ter Ron-sparse algorithm with Fisher sc Estimated variance components Random term Rep.Block Residual variance model Rerm Rep.Block.Plot Rests for fixed effects | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor Identity | k.Plot to zero weights or missing values) s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. |
| REML variance components analysis f Remutation of the second seco | SQRT((Total+0.375)) Constant + Name Rep + Rep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor Identity model Wald statistic | s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. Sigma2 16.83 0.97 n.d.f. F statistic d.d.f. F pr |
| REML variance components analysis f Response variate: Fixed model: Number of units: Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc Stimated variance components Random term Rep.Block Residual variance model Rerm Rep.Block.Plot Rests for fixed effects Sequentially adding terms to fixed i Fixed term Name | SQRT((Total+0.375))) Constant + Name Rep Hep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor Identity model Wald statistic 581.46 | k.Plot e to zero weights or missing values) s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. Sigma2 16.83 0.97 |
| REML variance components analysis f Response variate: Fixed model: Number of units: Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc Stimated variance components Random term Rep.Block Residual variance model Rep.Block Residual variance model Rerm Rep.Block.Plot Sequentially adding terms to fixed fixed Fixed term Rame Propping individual terms from full | SQRT((Total+0.375))) Constant + Name Rep Hep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor Identity model Wald statistic 581.46 fixed model | s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. Sigma2 16.83 0.97 n.d.f. F statistic d.d.f. F pr 95 6.12 641.4 <0.0 |
| REML variance components analysis f Response variate: Fixed model: Number of units: Rep.Block.Plot used as residual ter Non-sparse algorithm with Fisher sc Stimated variance components Random term Rep.Block Residual variance model Rerm Rep.Block.Plot Rests for fixed effects Sequentially adding terms to fixed i Fixed term Name | SQRT((Total+0.375))) Constant + Name Rep Hep.Block + Rep.Bloc 774 (70 units excluded due m oring component 5.22 -0.25 Factor Identity model Wald statistic 581.46 | s.e. 2.7 0.29 Model(order) Parameter Estimate s.e. Sigma2 16.83 0.97 n.d.f. F statistic d.d.f. F pr |