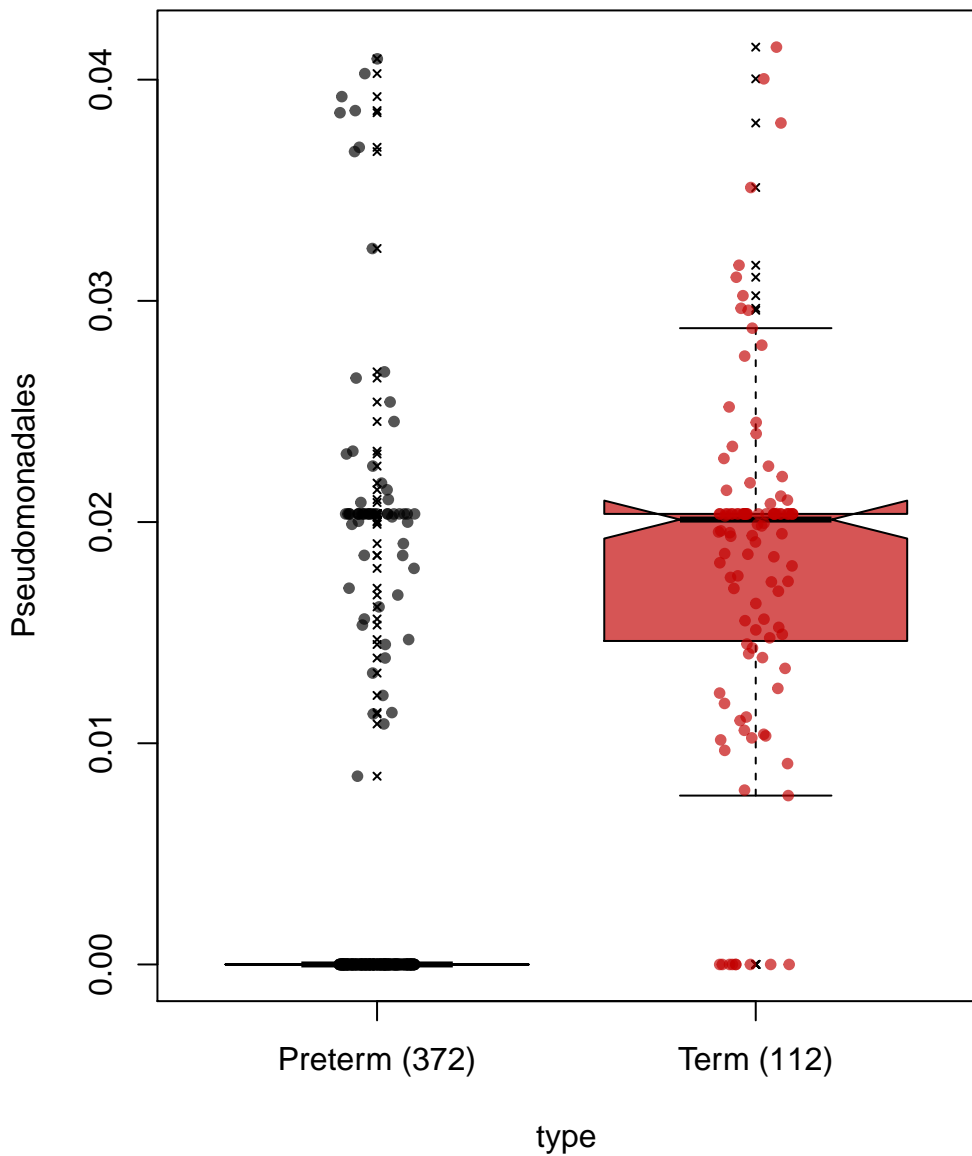


Supplementary data

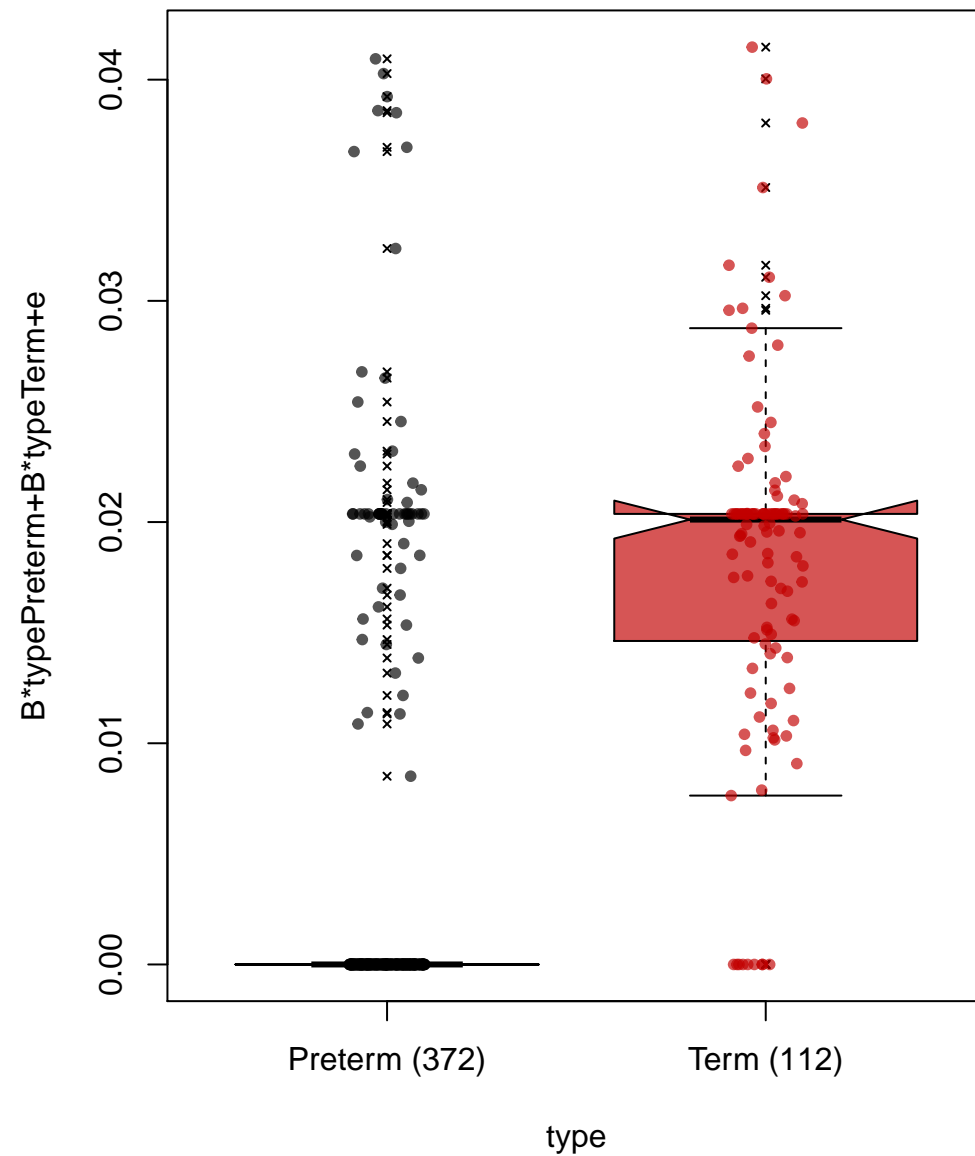
Metabolic Pathway Distributions in Very Low Birth Weight Infants:
Potential Relationships with NICU Faltered Growth

S2. Association of the relative abundance of bacterial Order between VLBW infants and term infants. Each page of this file shows a separate bacterial order which was significantly different between the two groups. The box plots indicate the association of the metadata (here, the two groups preterm and term infants) with the relative abundances. The strength of association is indicated by the p-value and an FDR-corrected q-value. The partial residual plot shows the relationship between the groups with abundances when all other variables are included in the model.

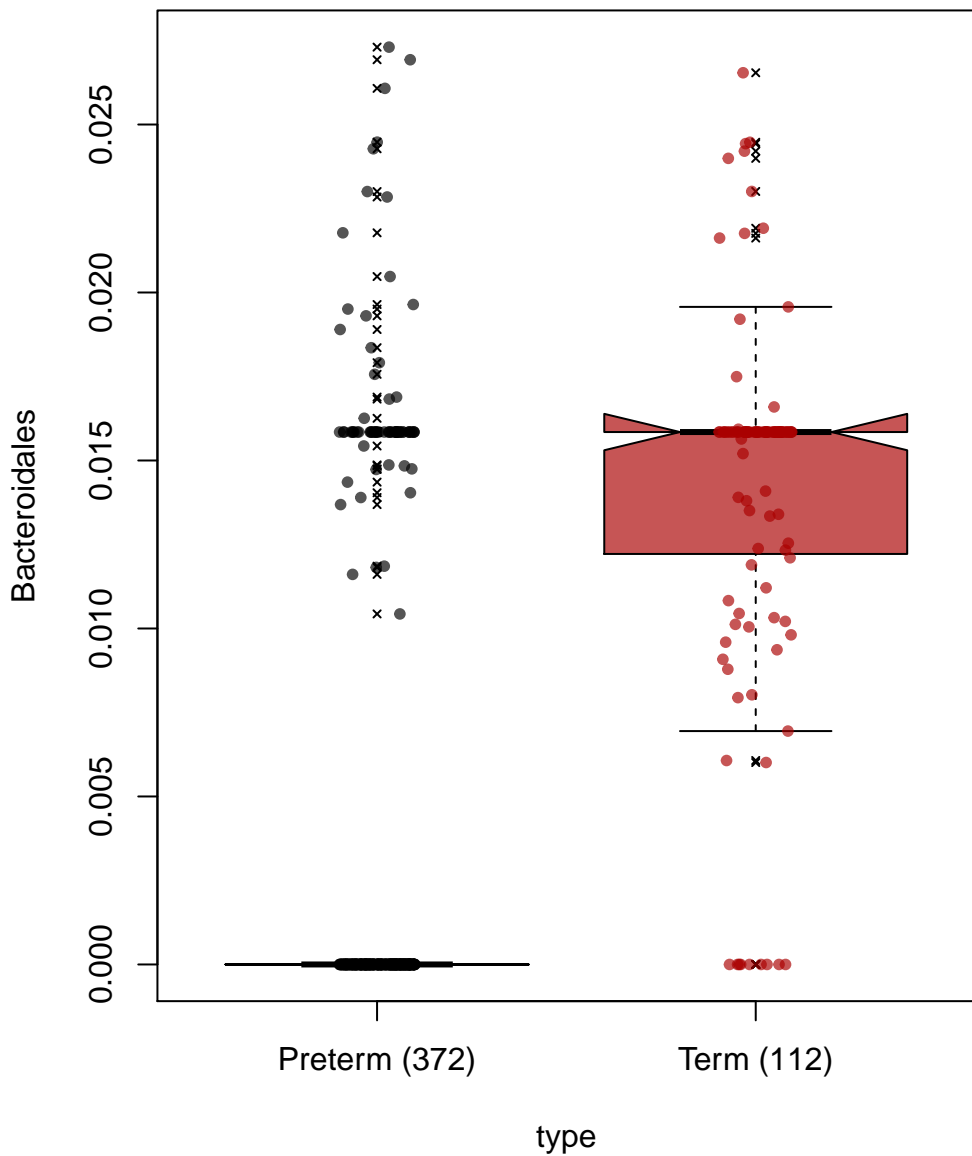
typeTerm (0.0144 sd 0.000918, p=4.01e-45, q=2.69e-43)



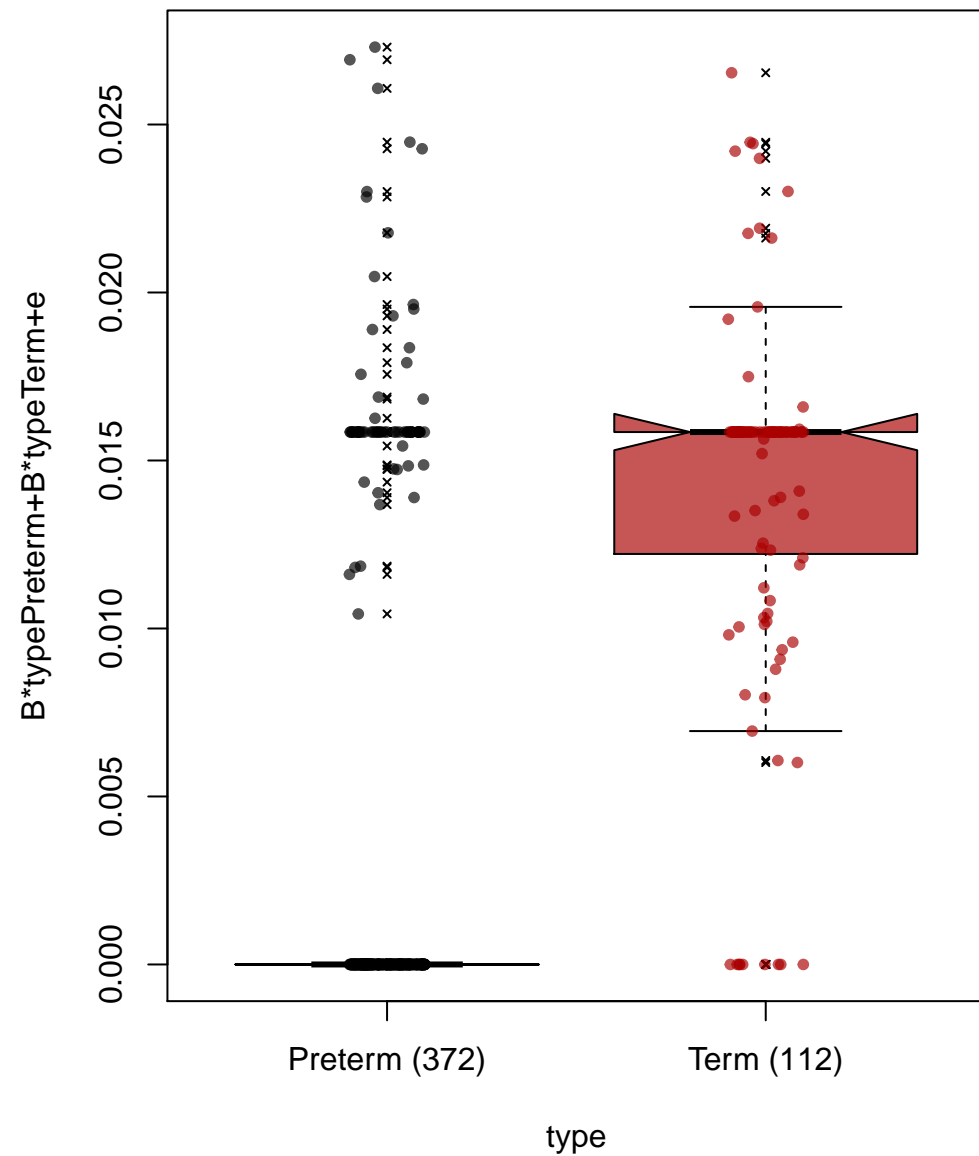
Partial Residual Plot



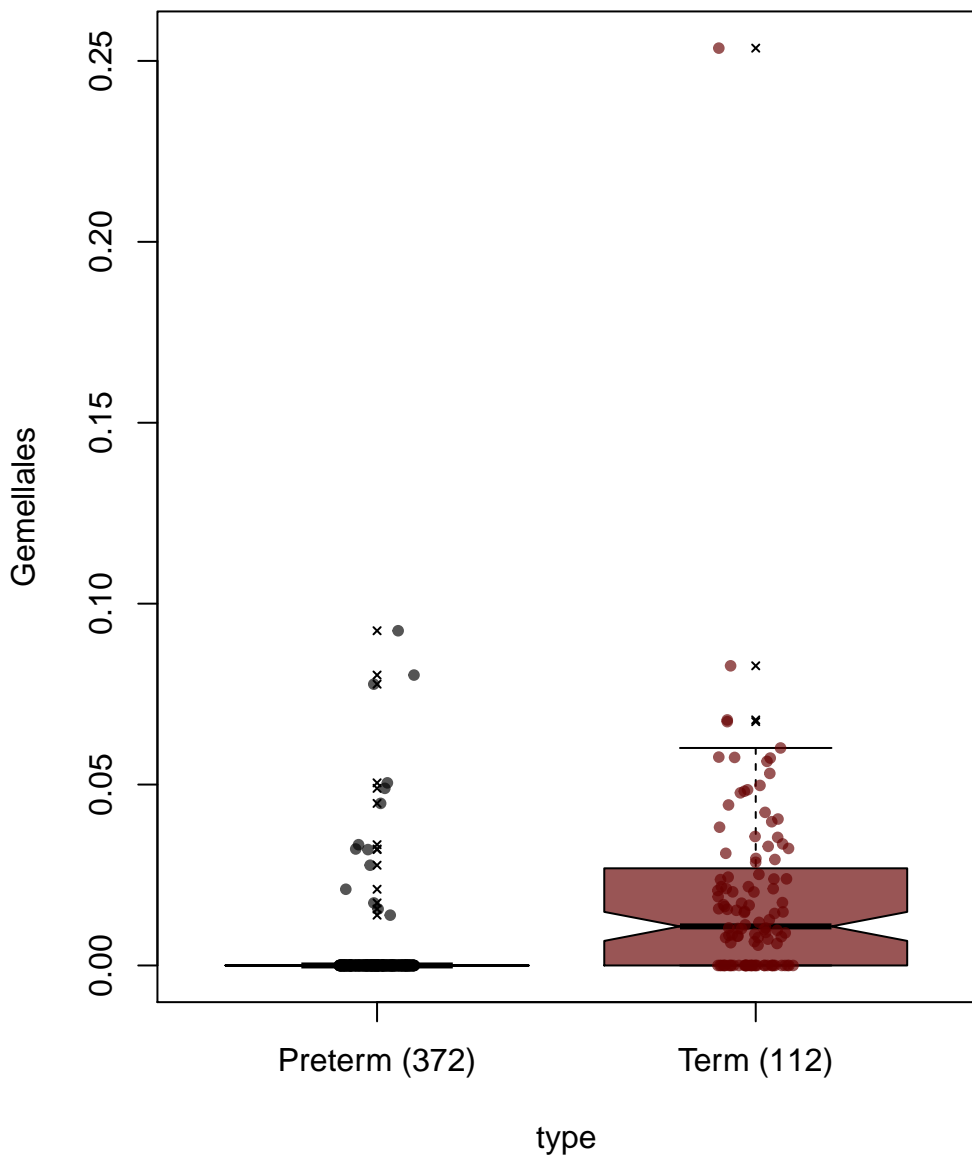
typeTerm (0.0107 sd 0.000705, p=1.13e-42, q=3.78e-41)



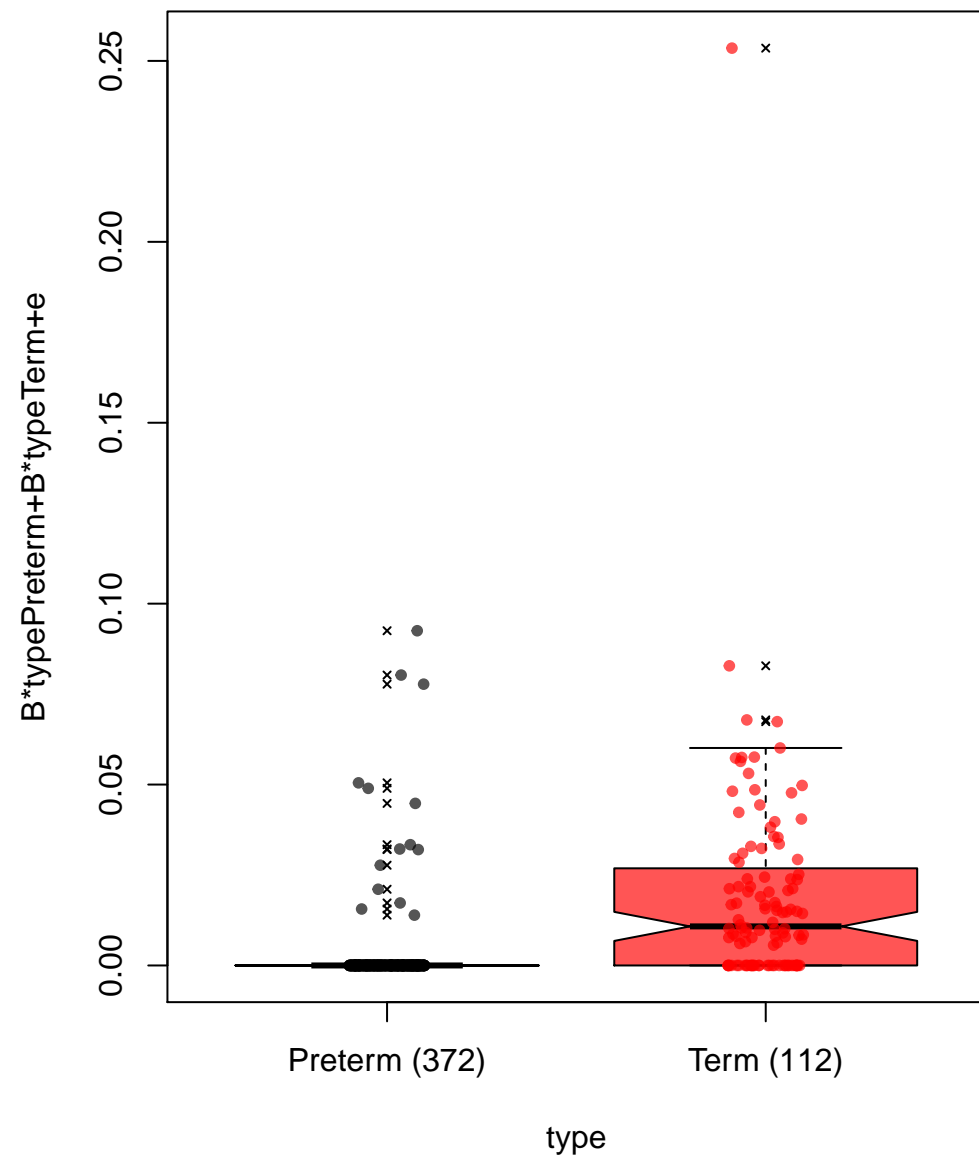
Partial Residual Plot



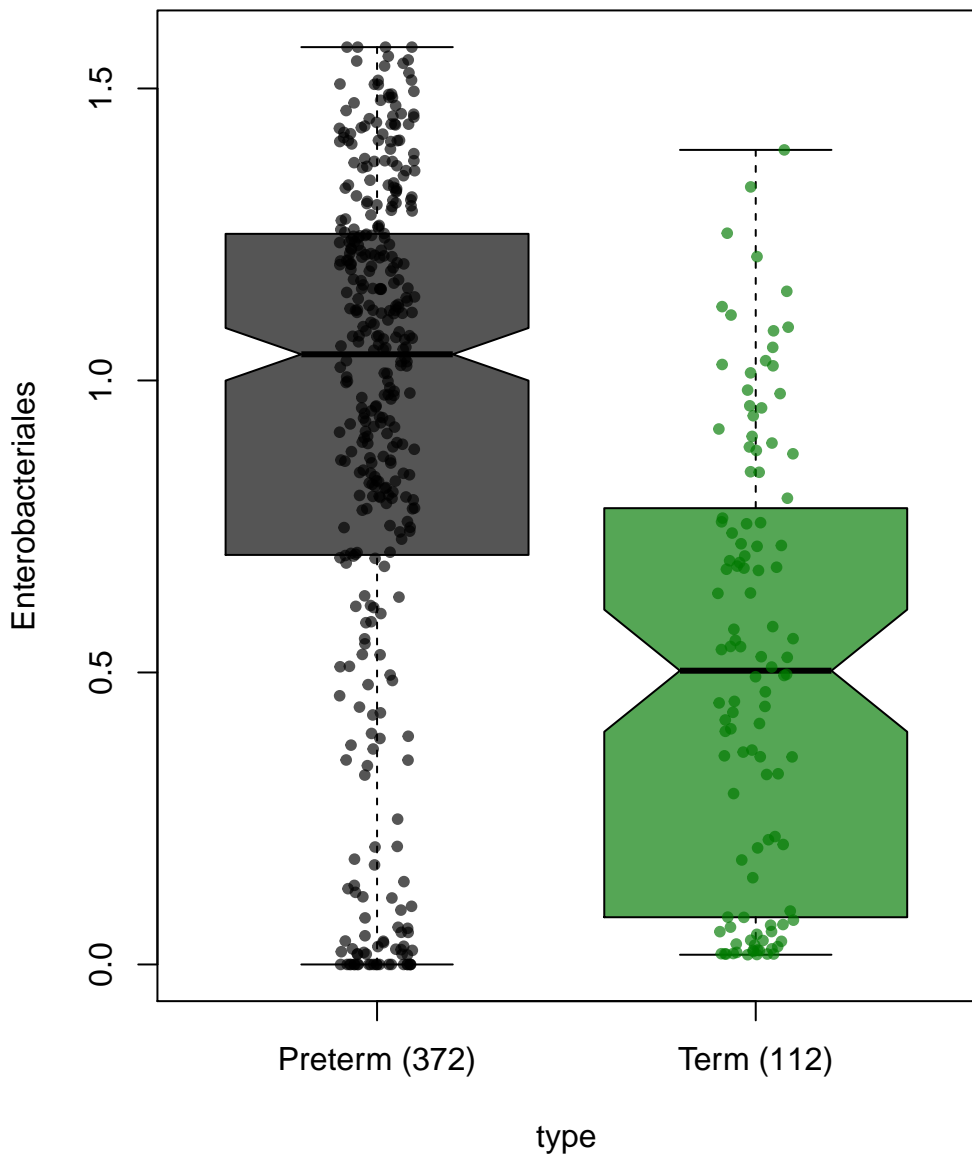
typeTerm (0.018 sd 0.00175, p=2.03e-22, q=4.52e-21)



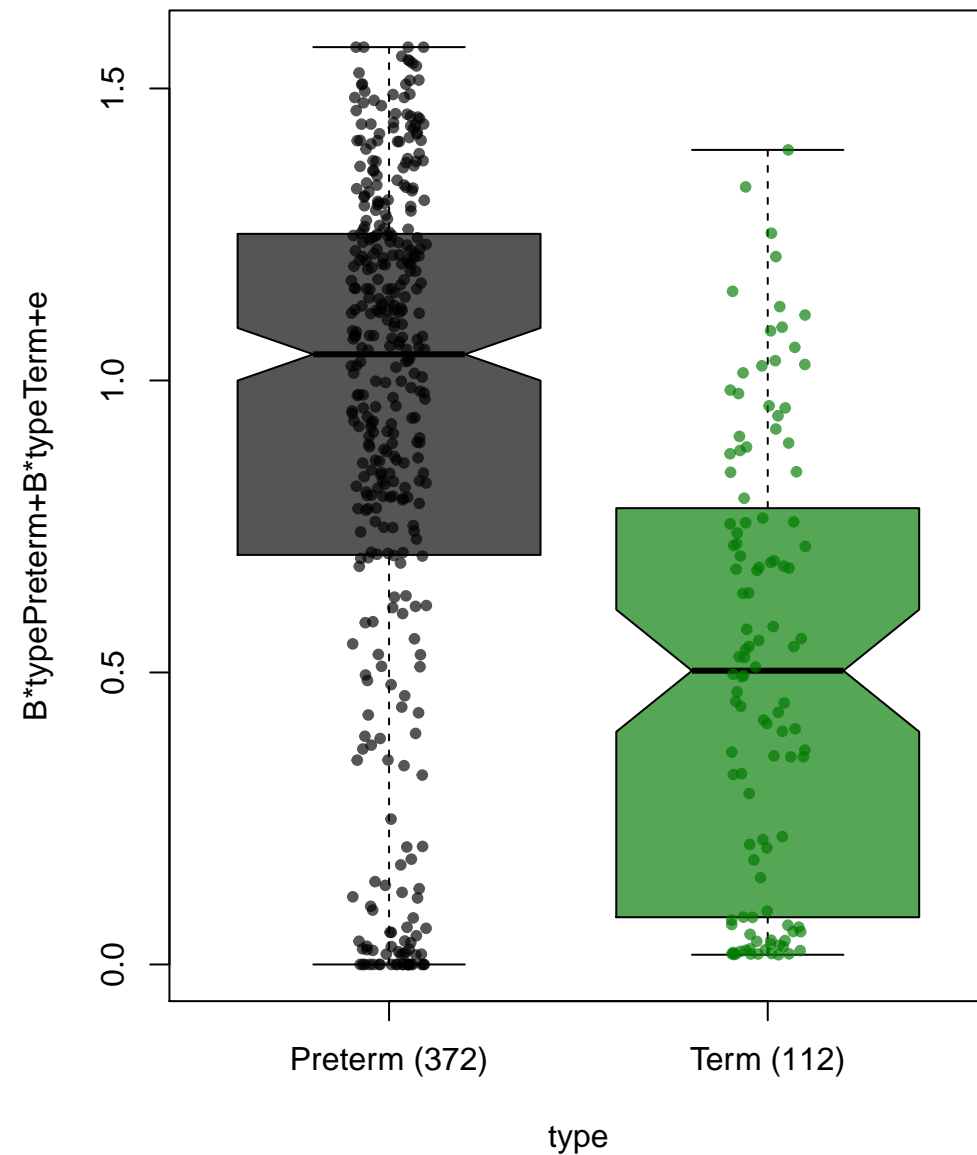
Partial Residual Plot



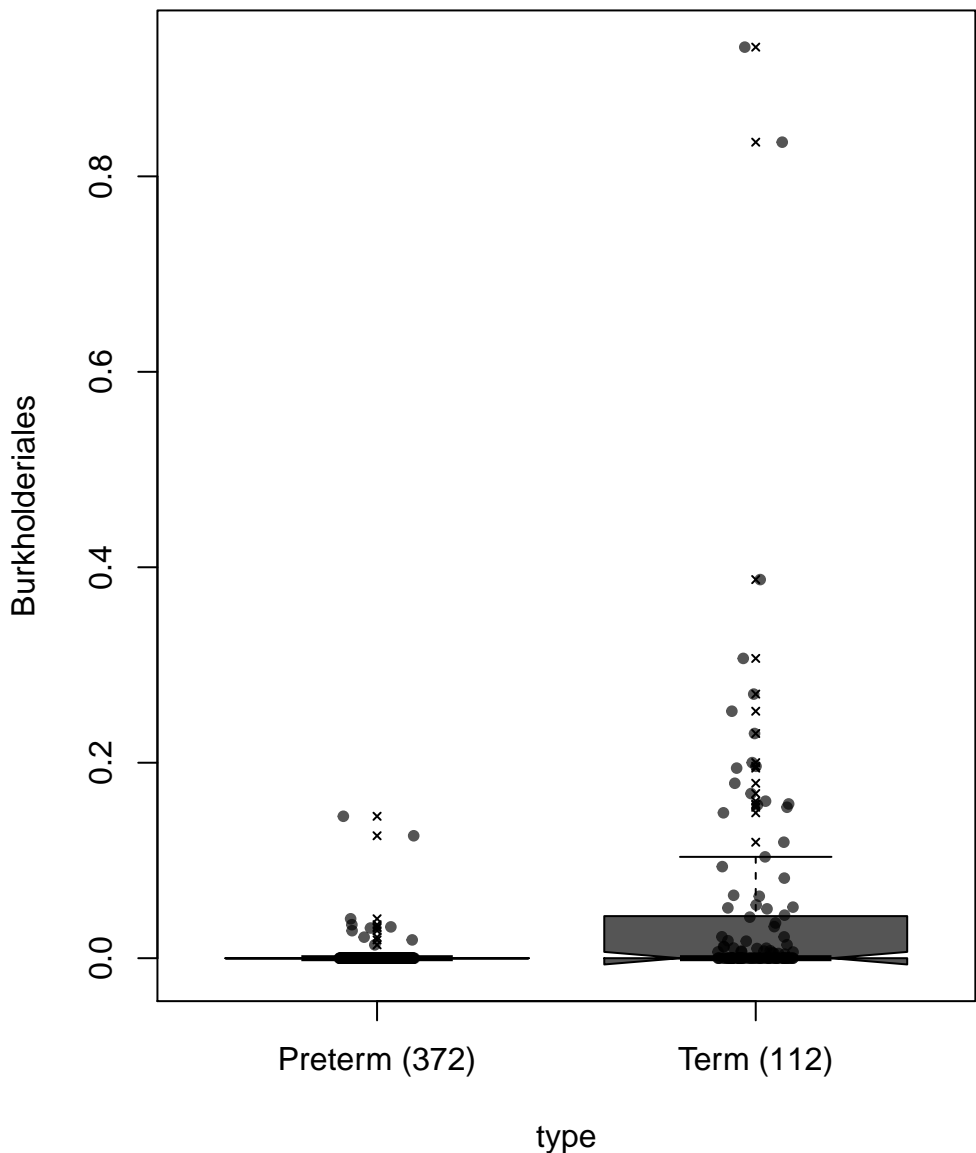
typeTerm (-0.406 sd 0.0477 , $p=2.3e-16$, $q=3.85e-15$)



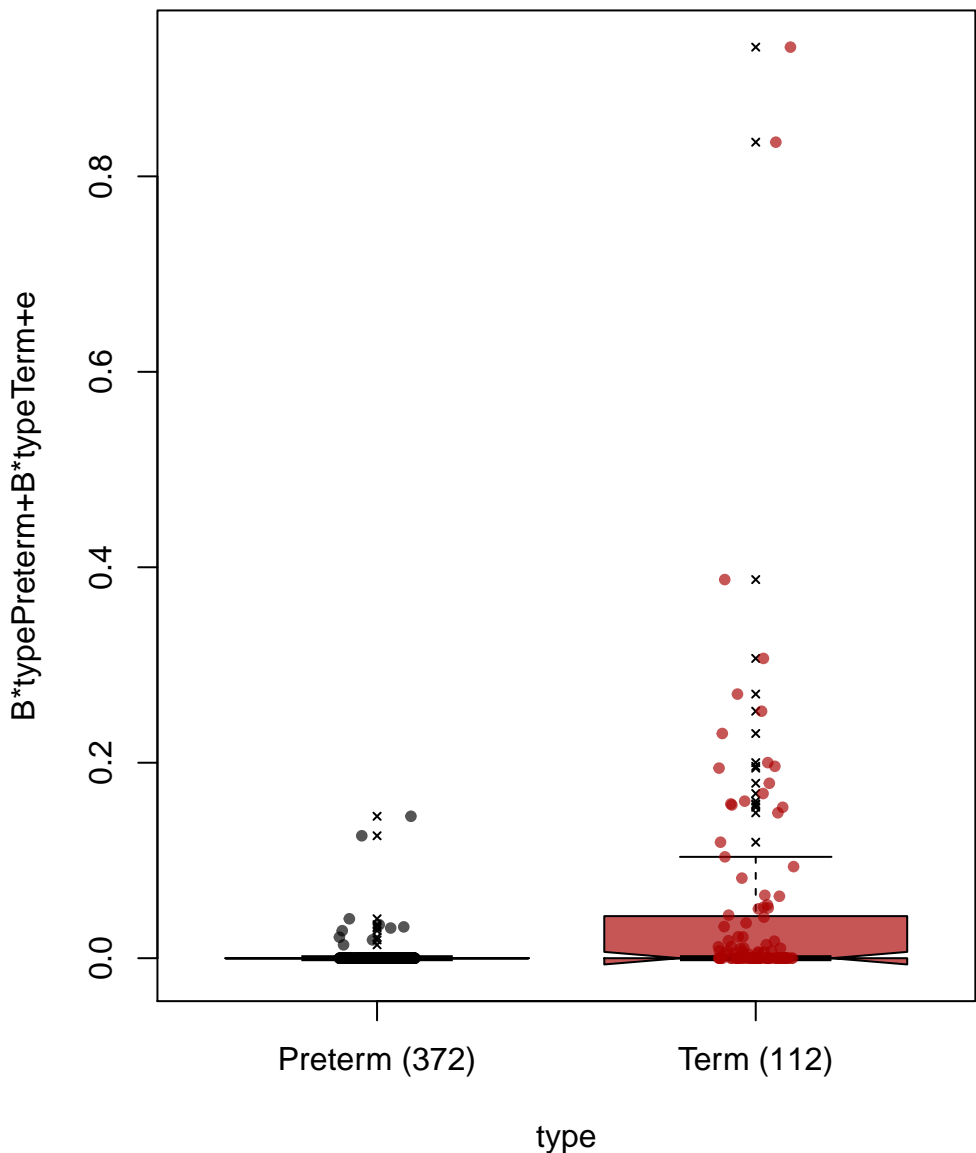
Partial Residual Plot



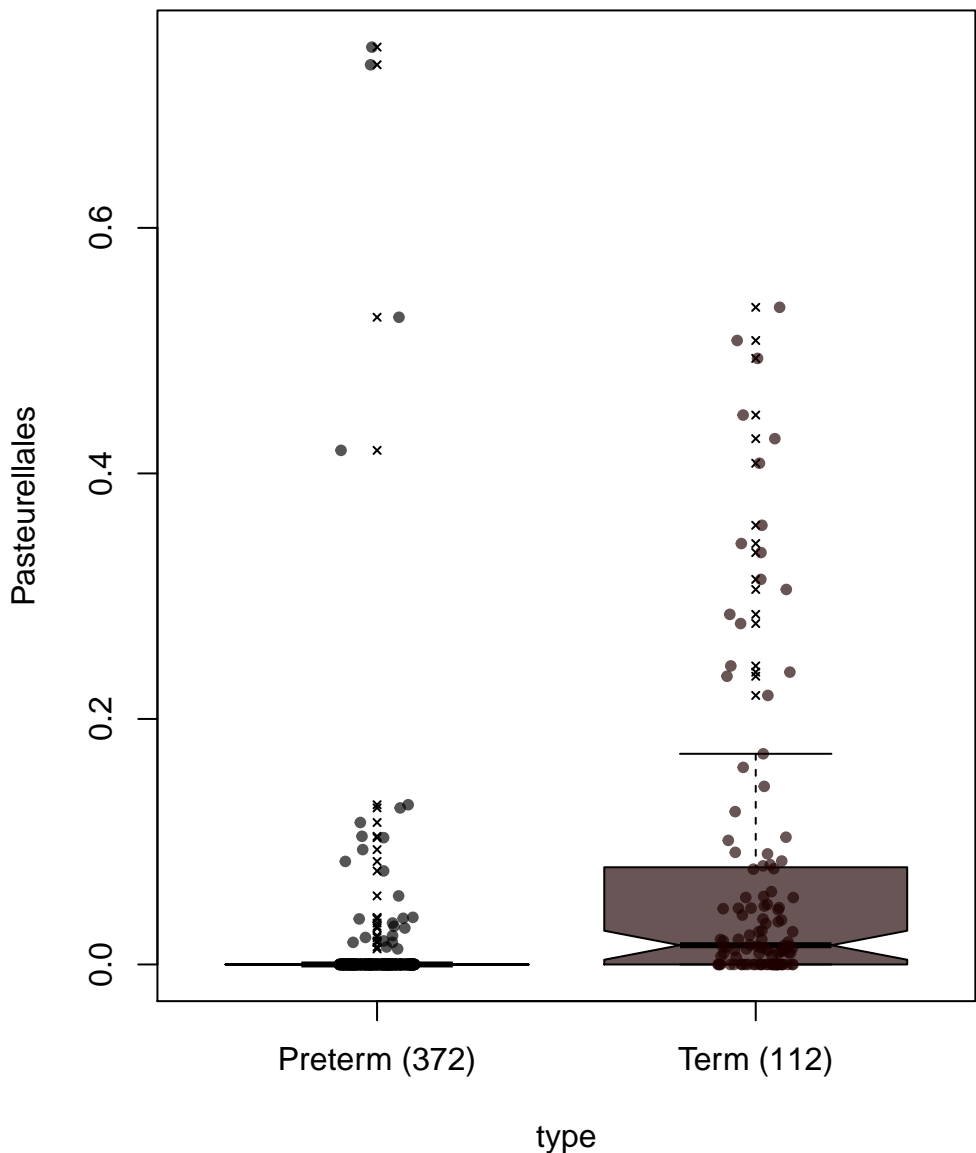
typeTerm (0.0525 sd 0.00709, p=5.83e-13, q=7.81e-12)



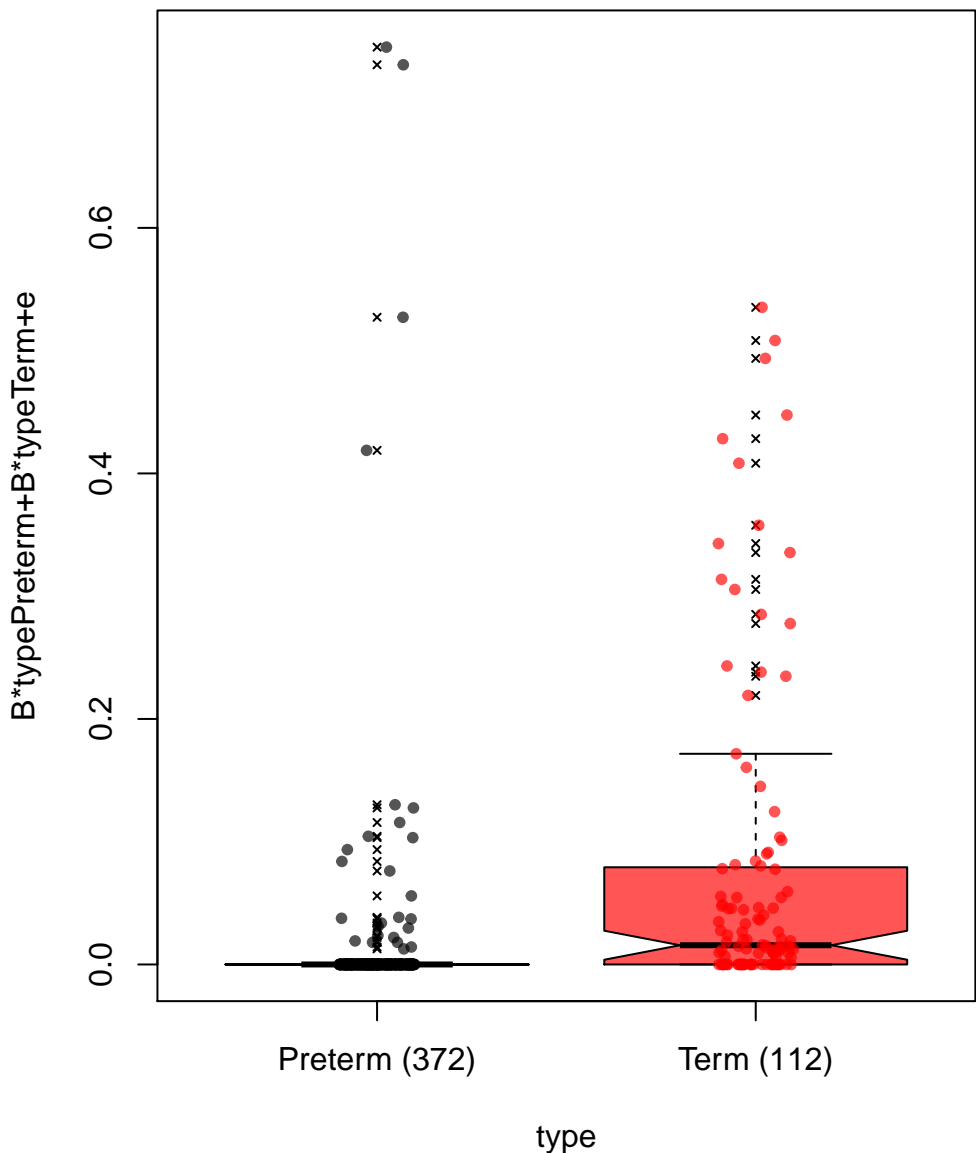
Partial Residual Plot



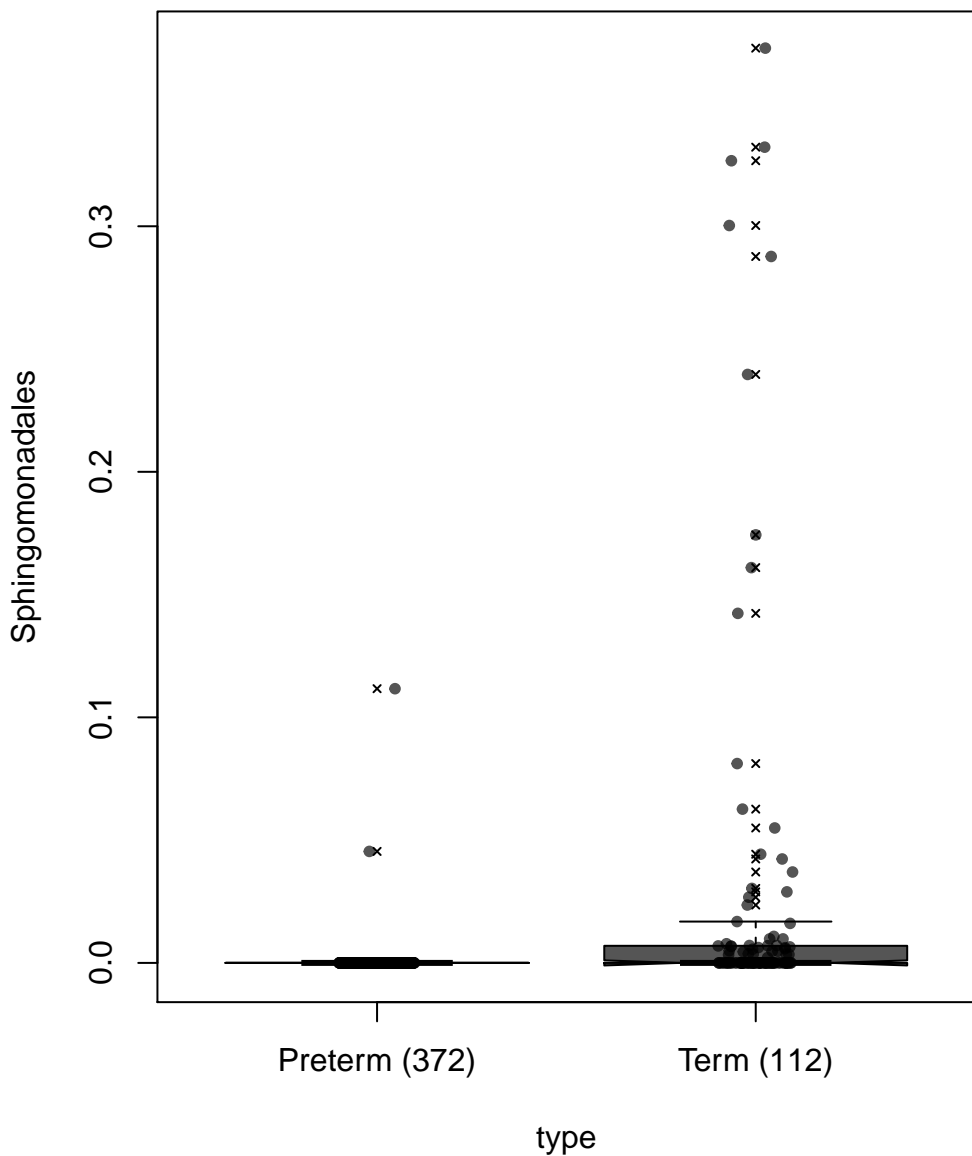
typeTerm (0.0666 sd 0.00909, p=9.98e-13, q=1.11e-11)



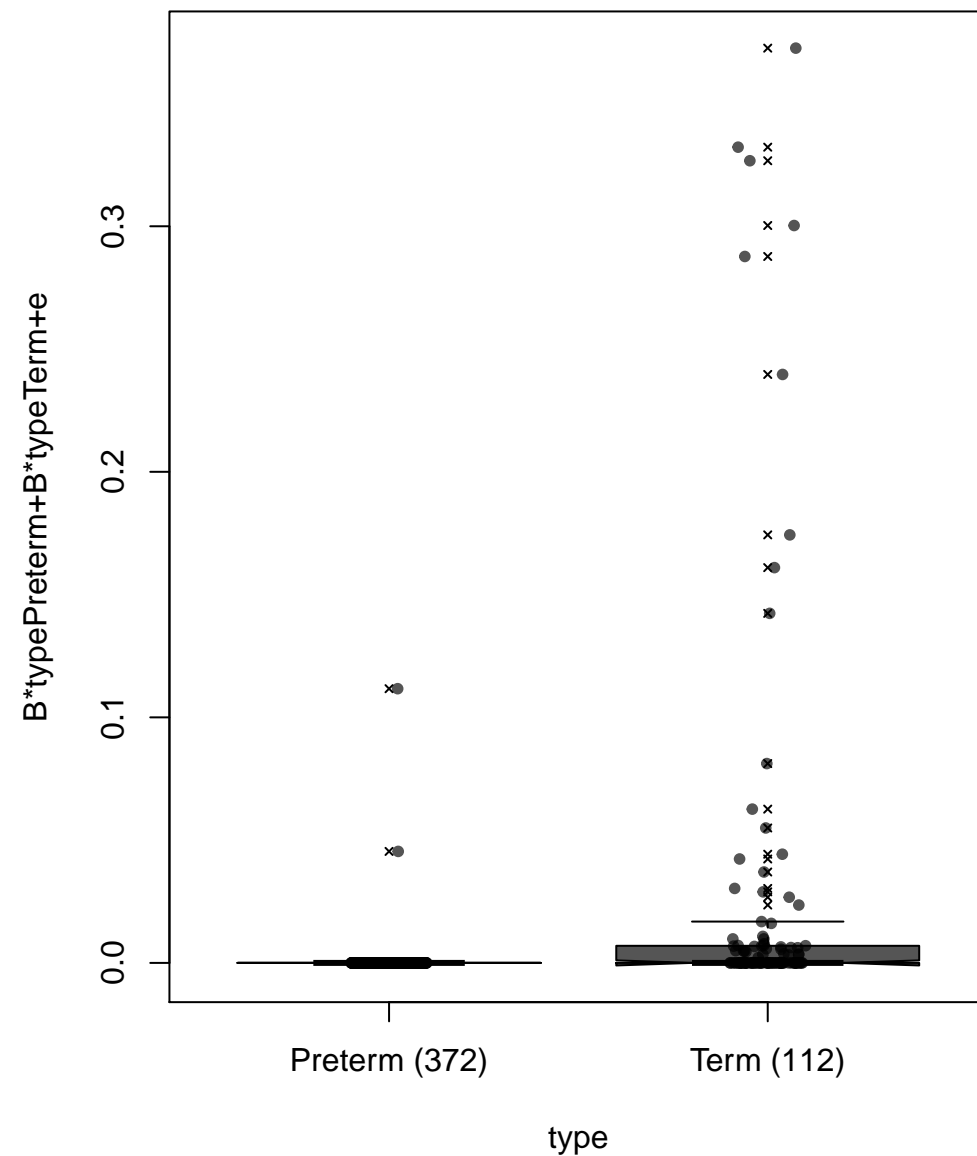
Partial Residual Plot



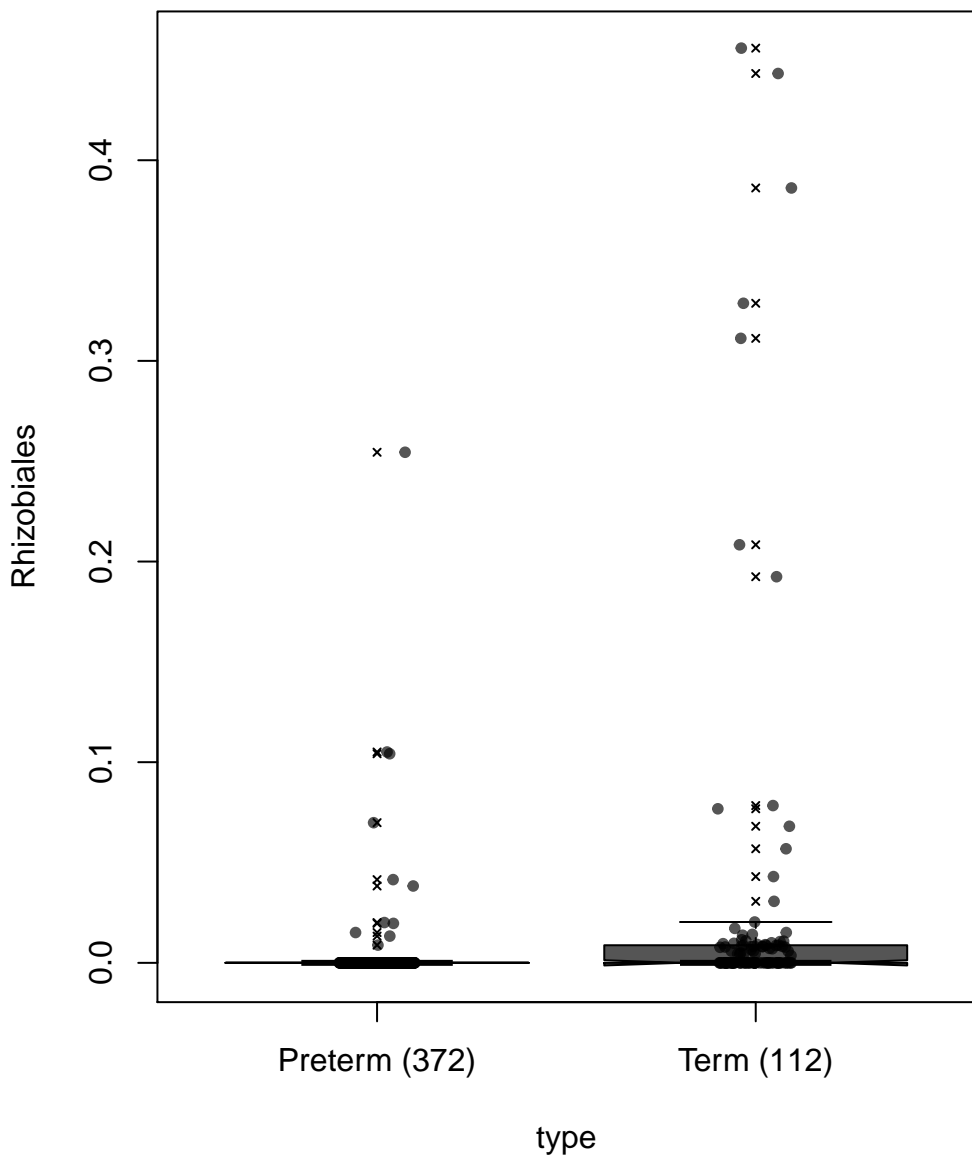
typeTerm (0.0259 sd 0.00387, p=6.2e-11, q=5.93e-10)



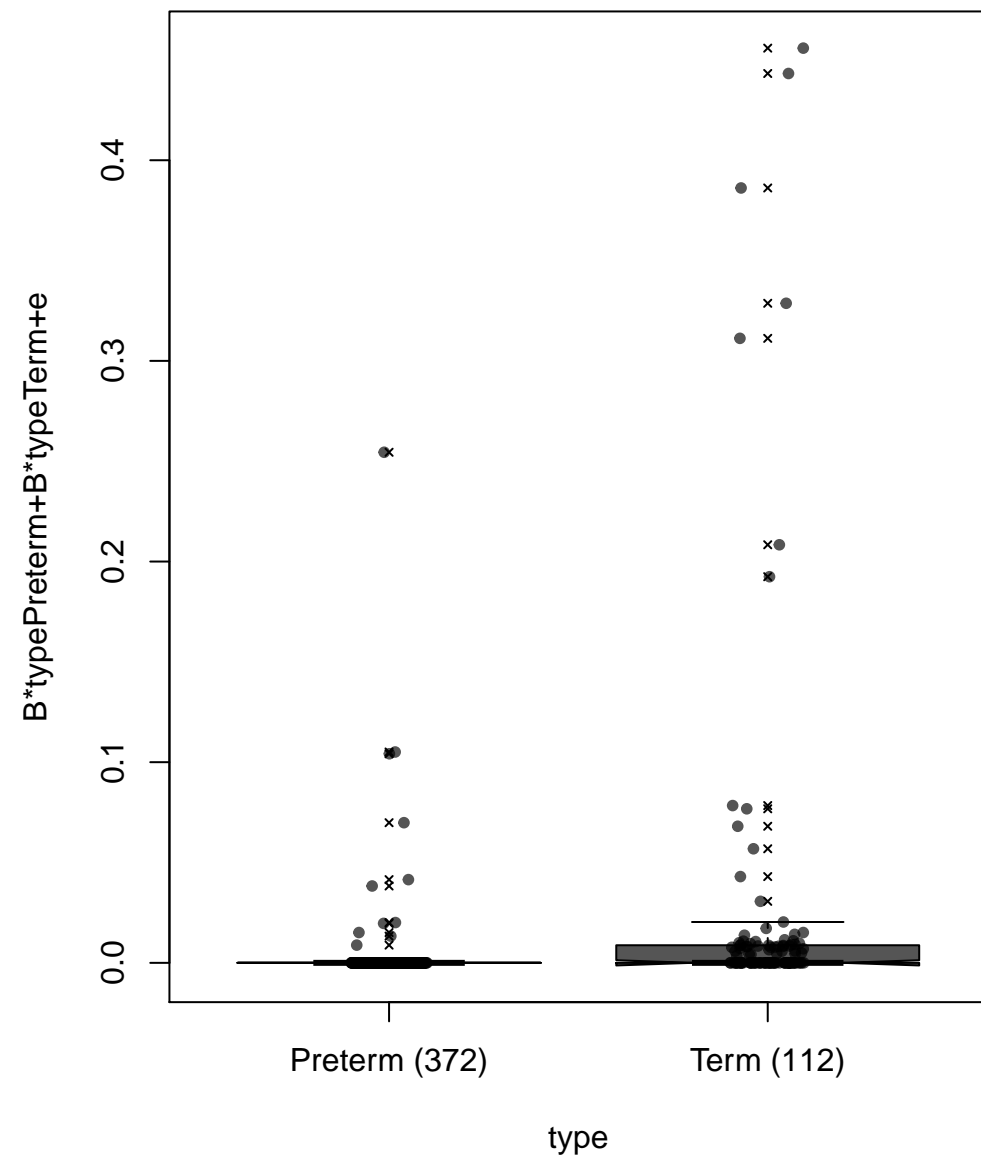
Partial Residual Plot



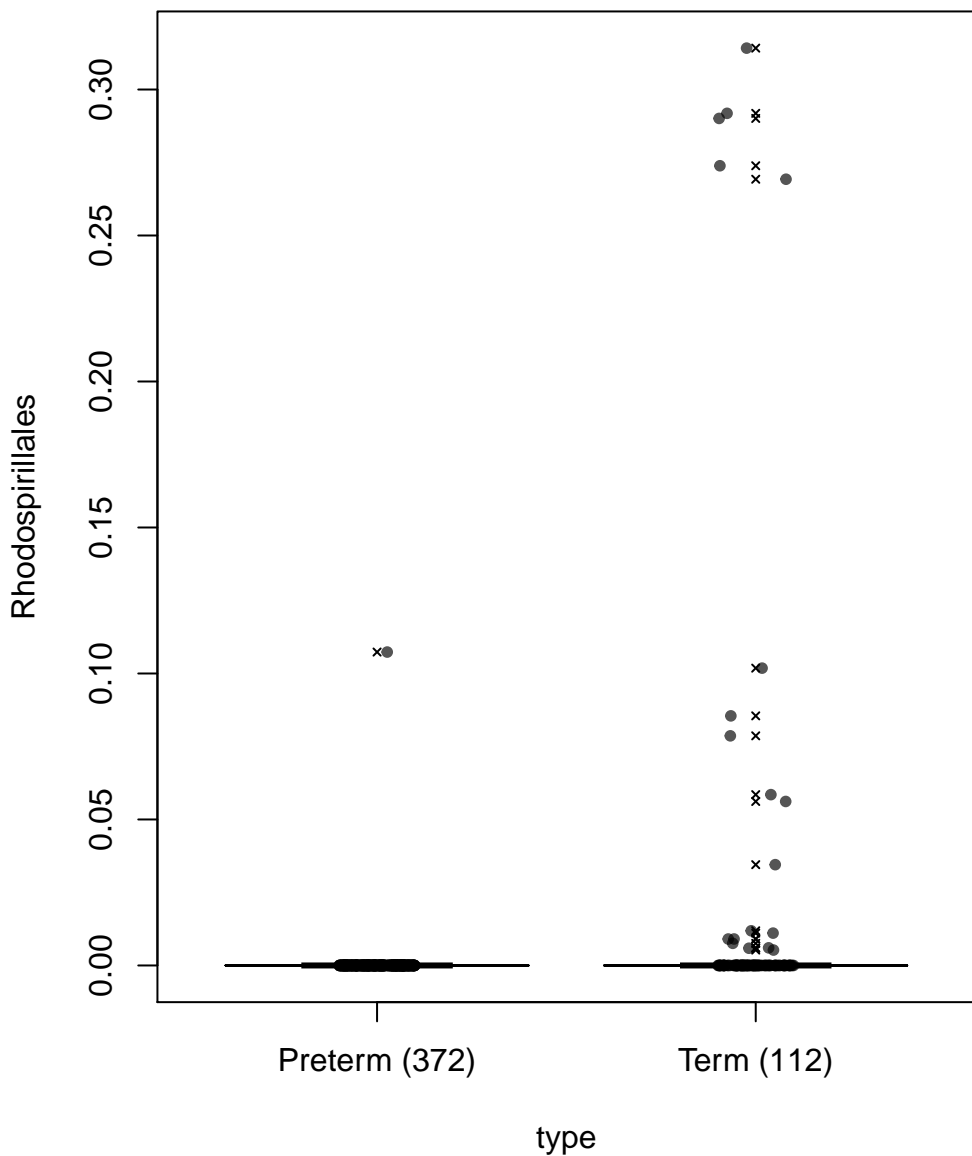
typeTerm (0.0251 sd 0.0046, p=7.39e-08, q=6.19e-07)



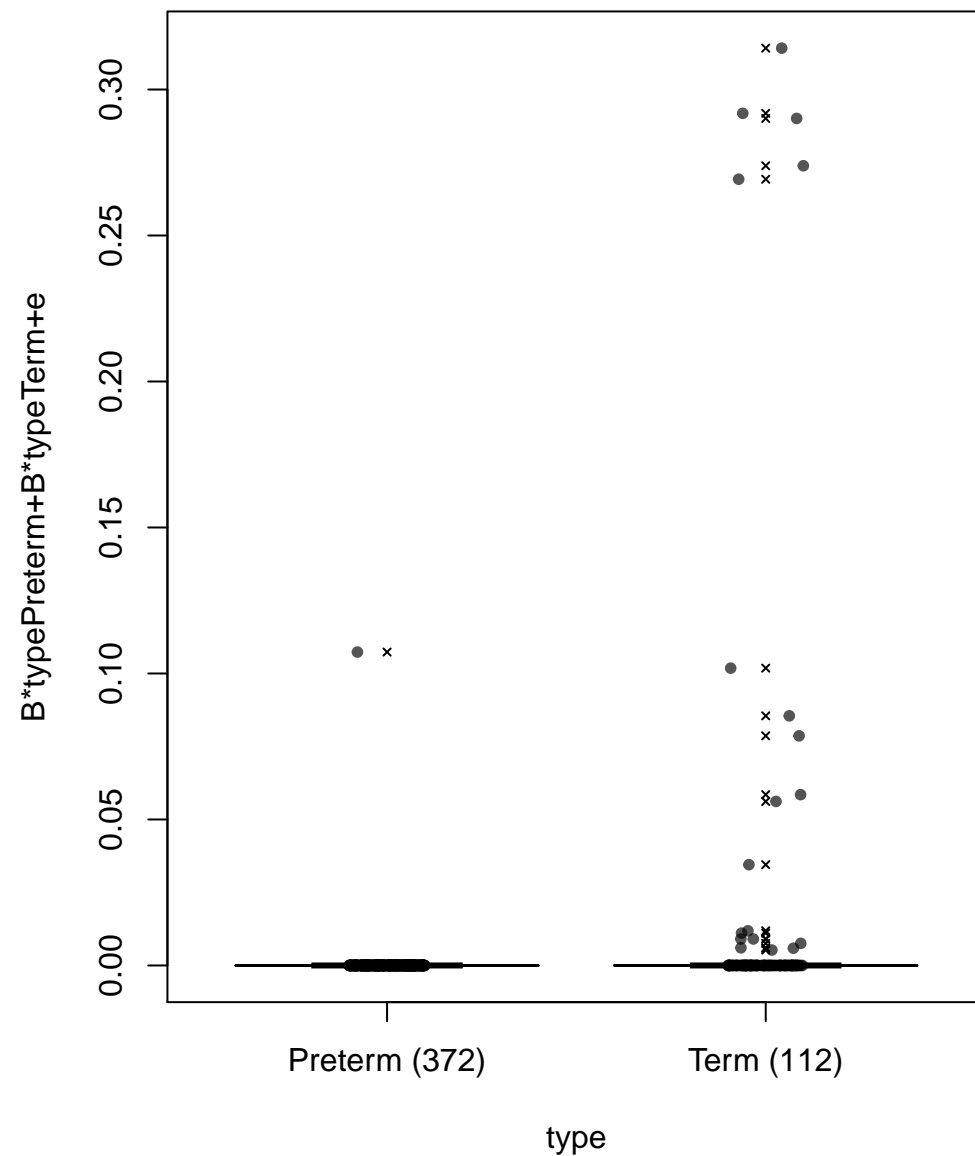
Partial Residual Plot



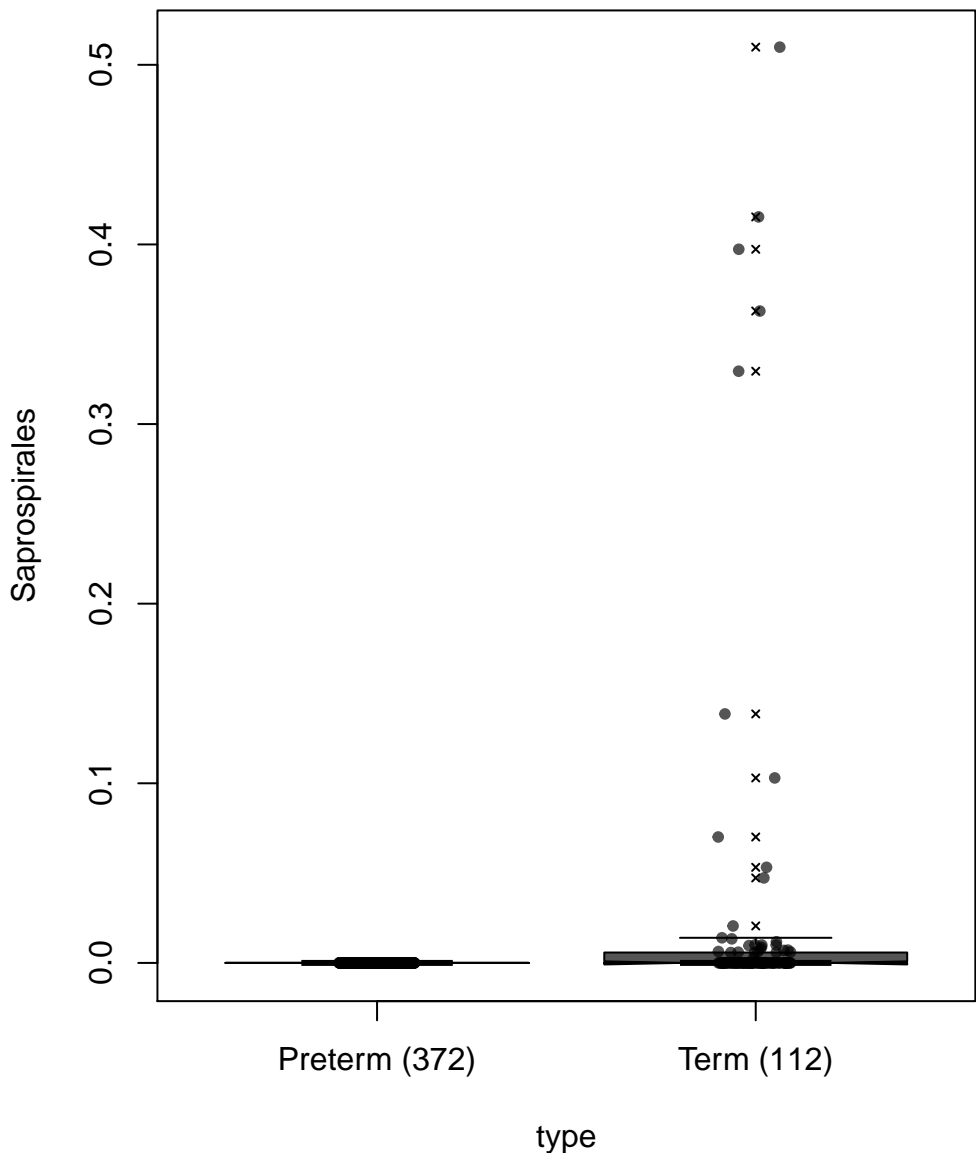
typeTerm (0.0169 sd 0.00321, p=2.18e-07, q=1.51e-06)



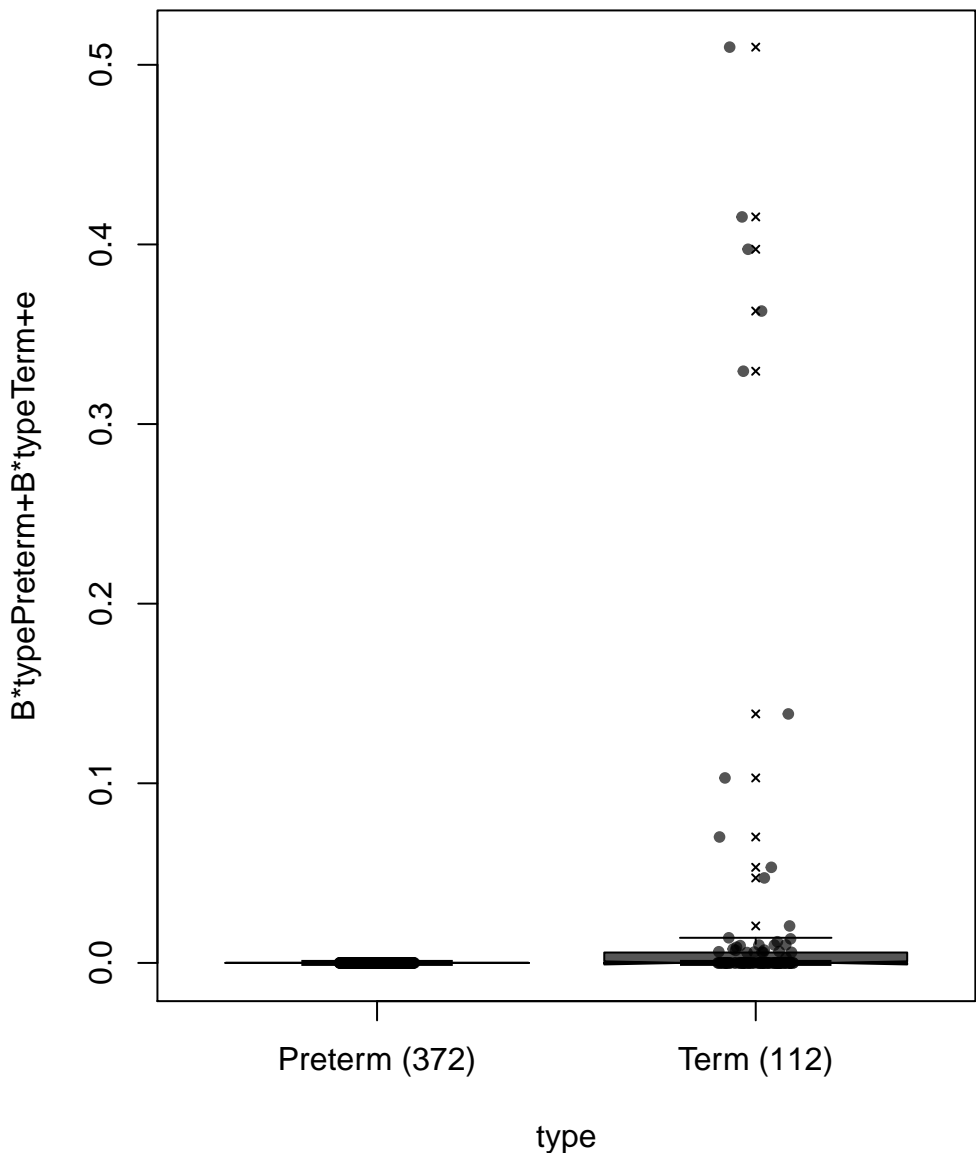
Partial Residual Plot



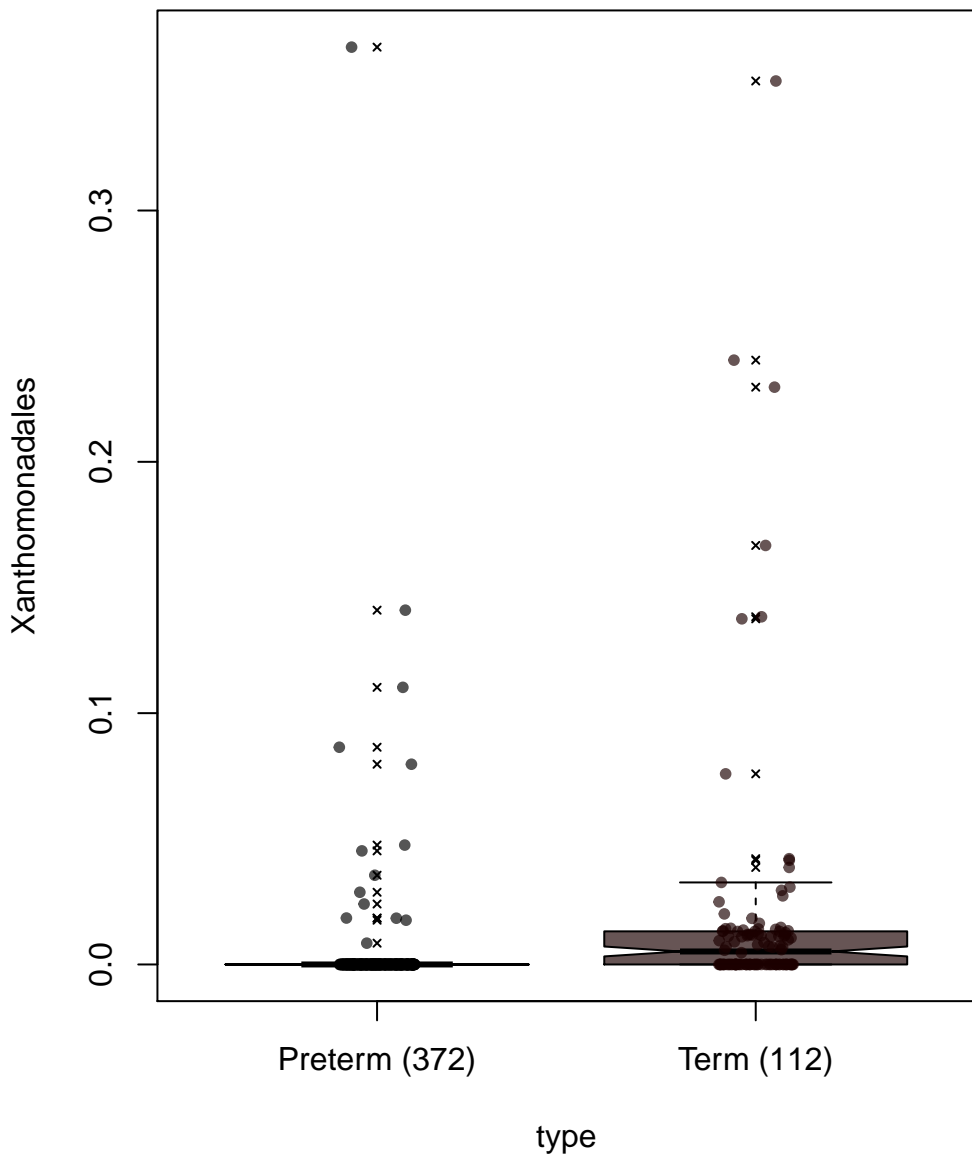
typeTerm (0.0232 sd 0.00442, p=2.26e-07, q=1.51e-06)



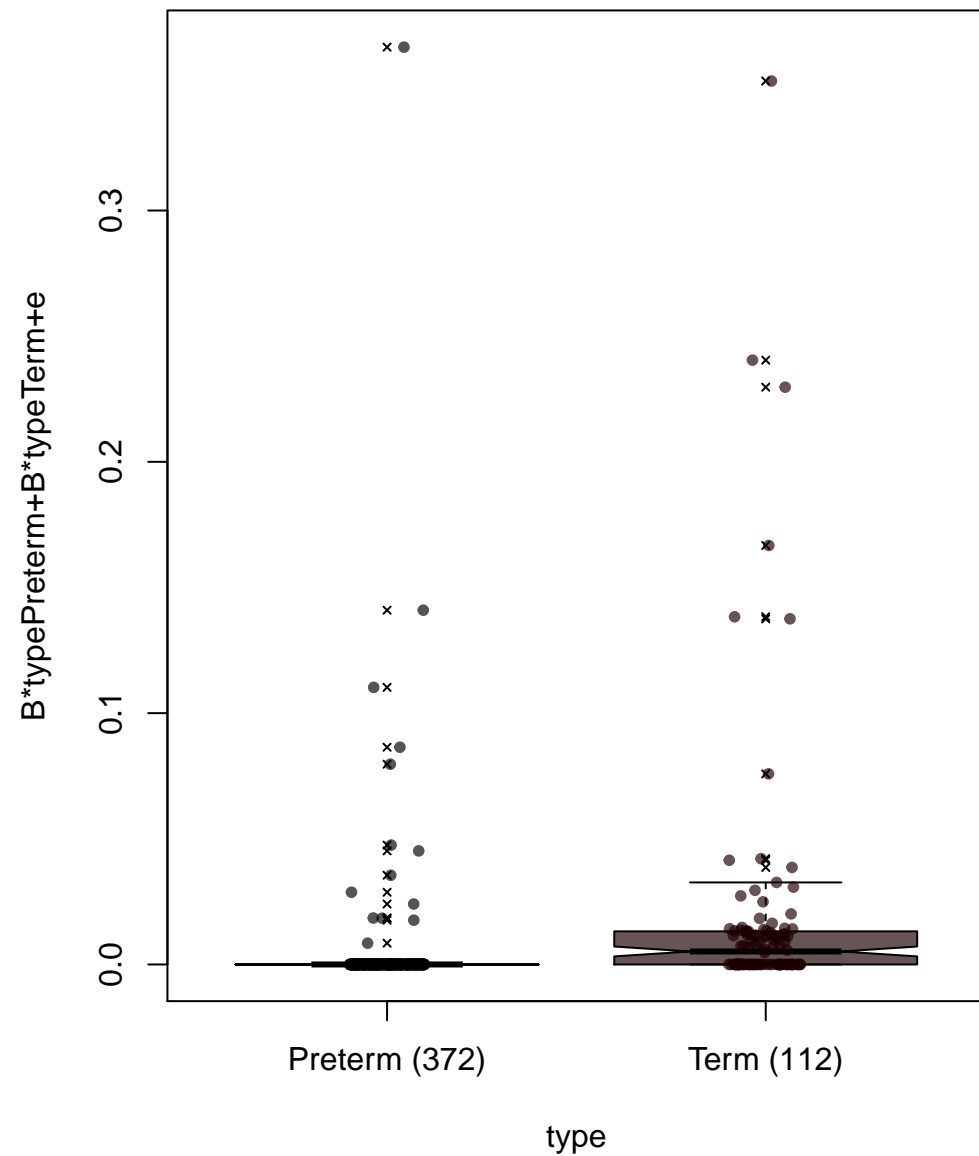
Partial Residual Plot



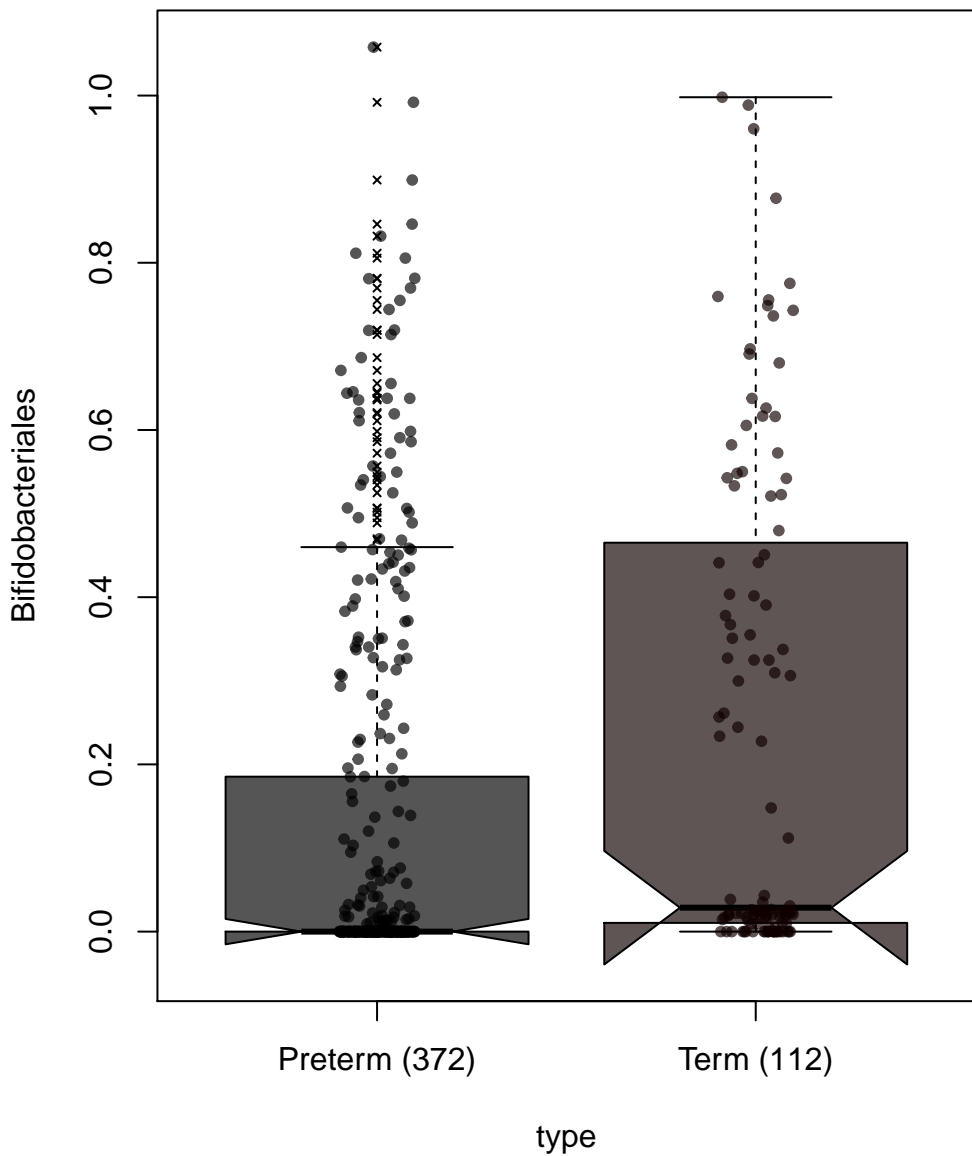
typeTerm (0.0159 sd 0.00335, p=2.97e-06, q=1.81e-05)



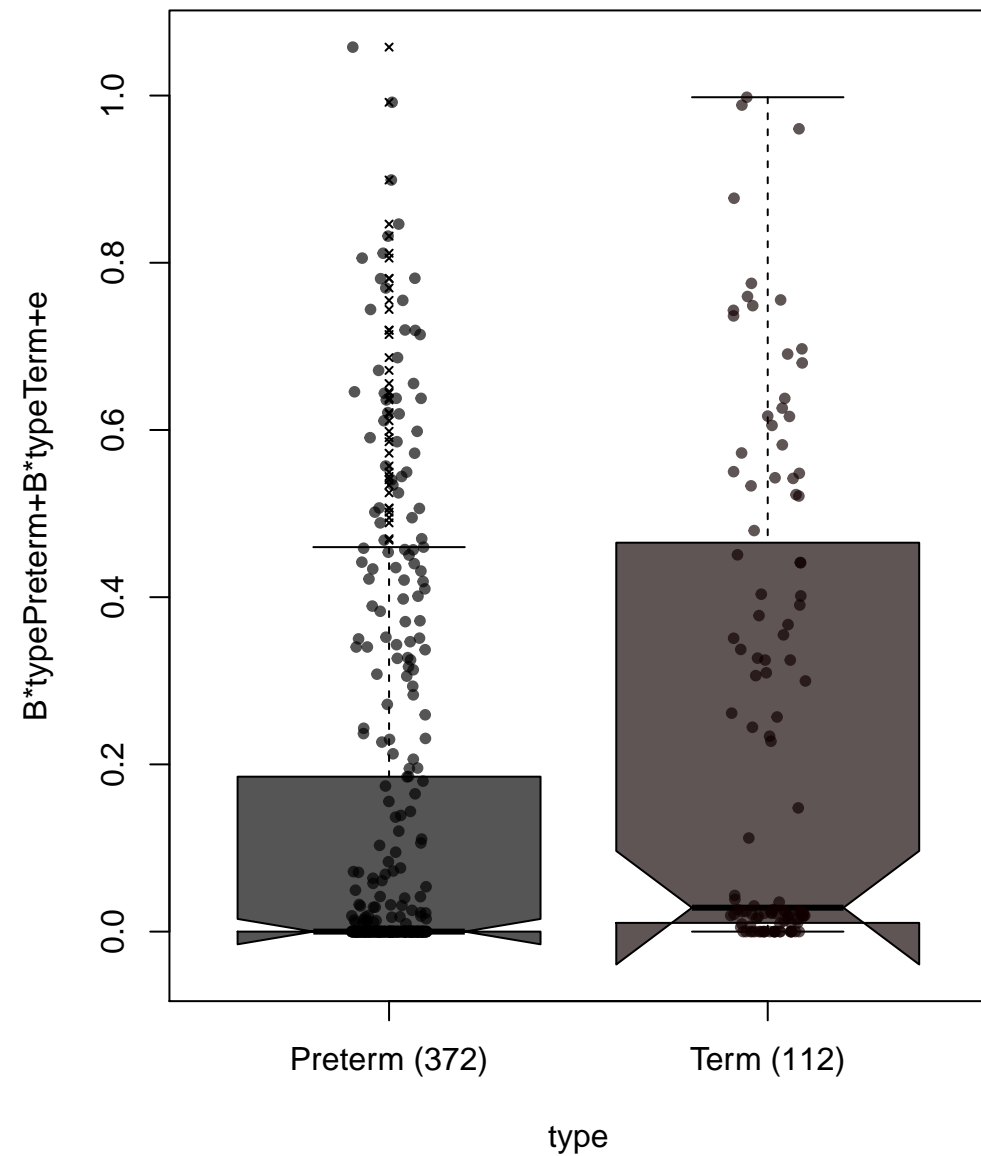
Partial Residual Plot



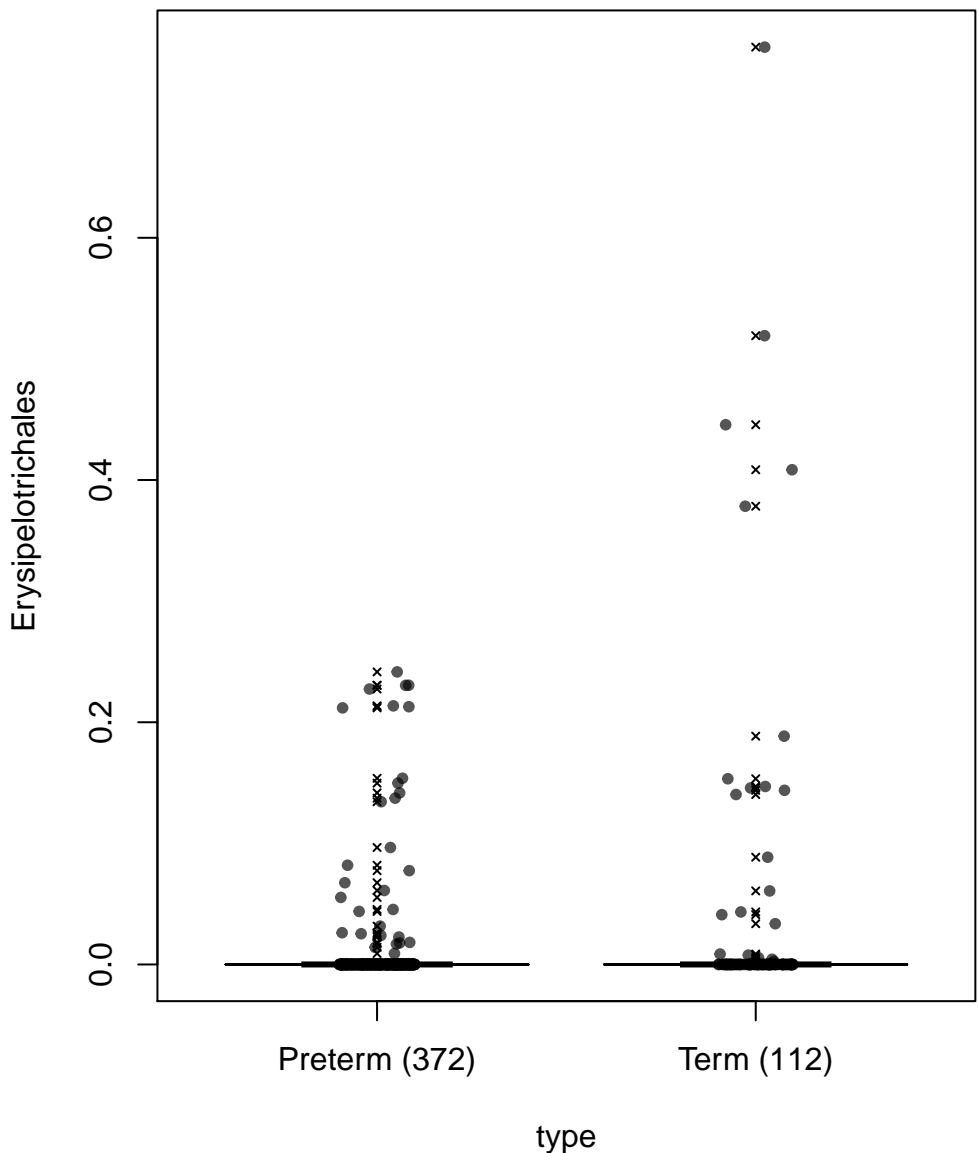
typeTerm (0.114 sd 0.0264, p=2.11e-05, q=0.000118)



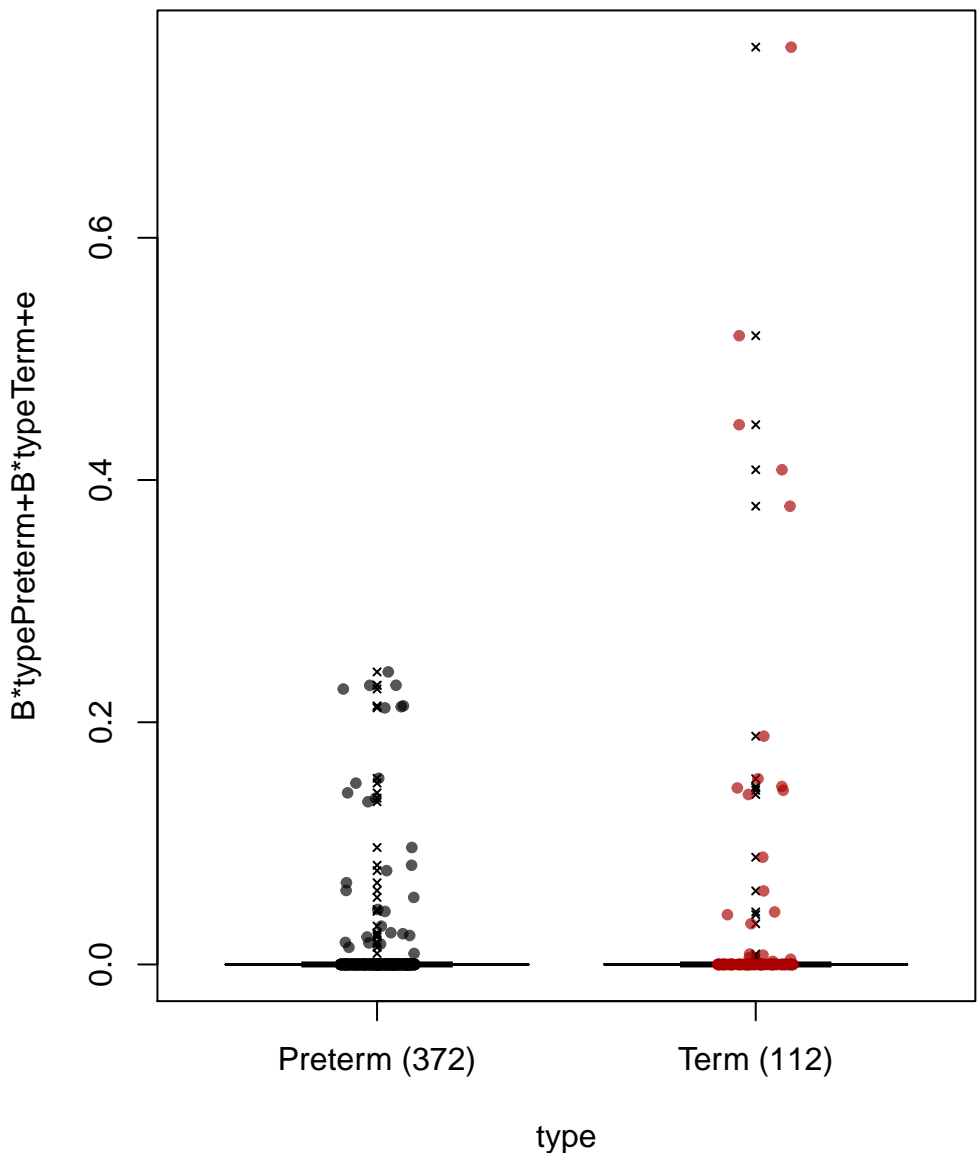
Partial Residual Plot



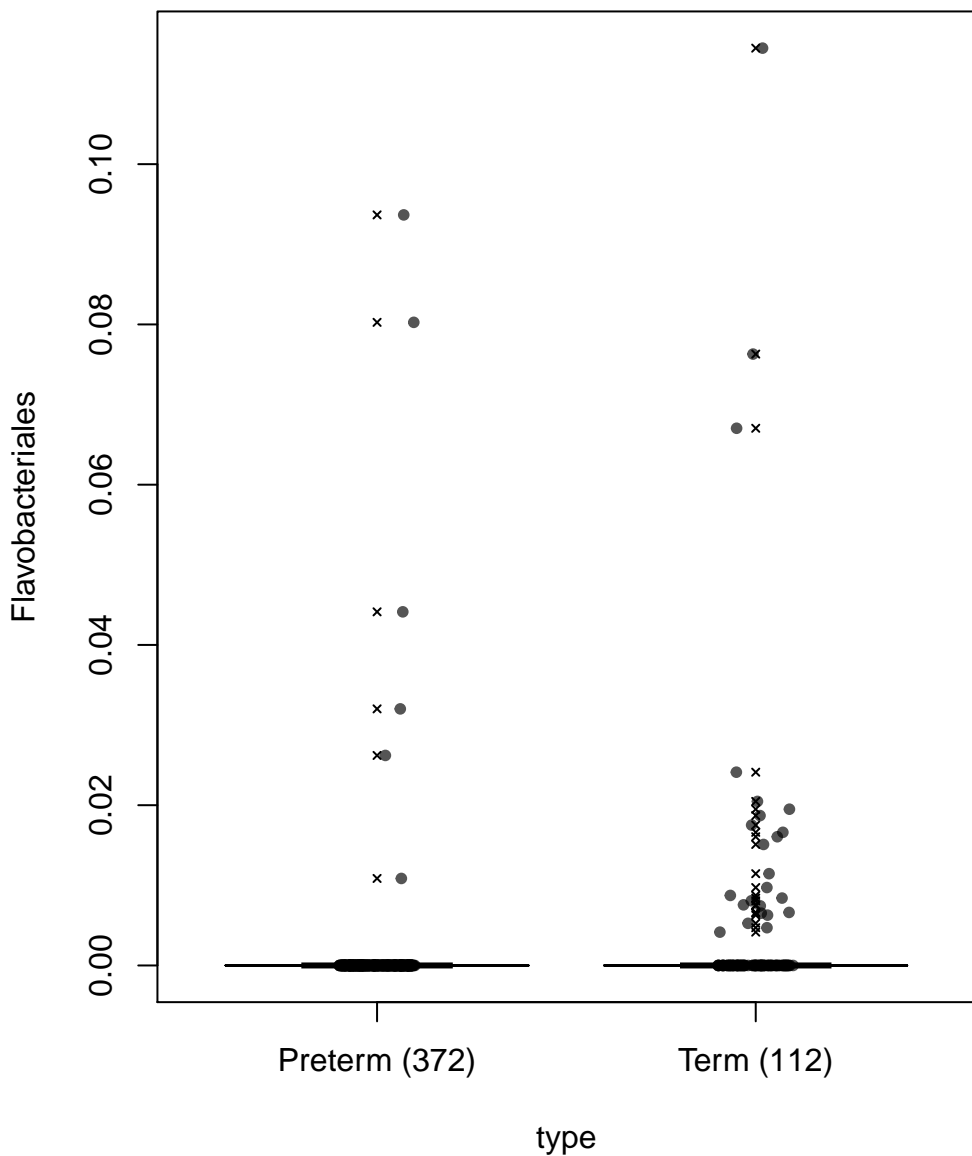
typeTerm (0.0251 sd 0.00669, p=0.000195, q=0.00101)



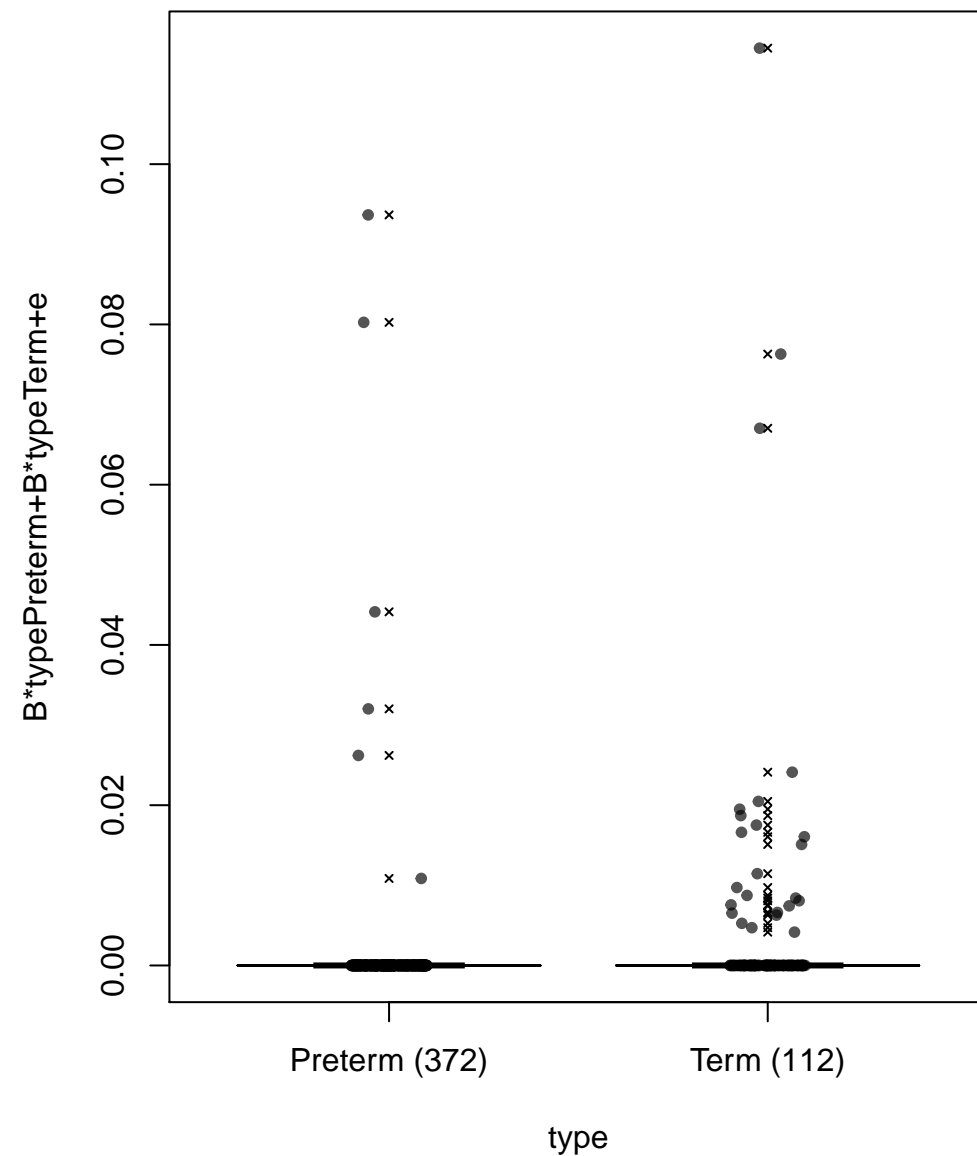
Partial Residual Plot



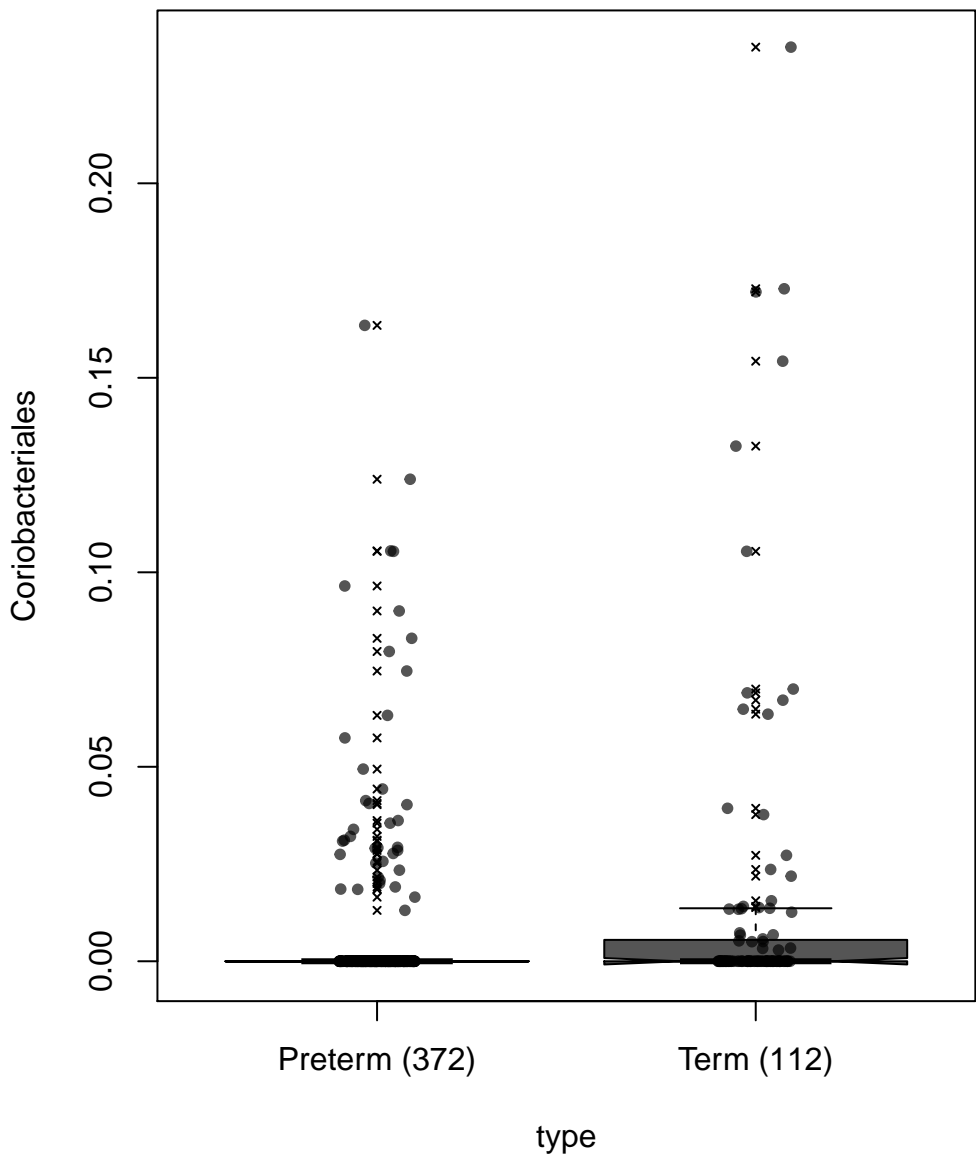
typeTerm (0.0037 sd 0.00102, p=0.000333, q=0.0016)



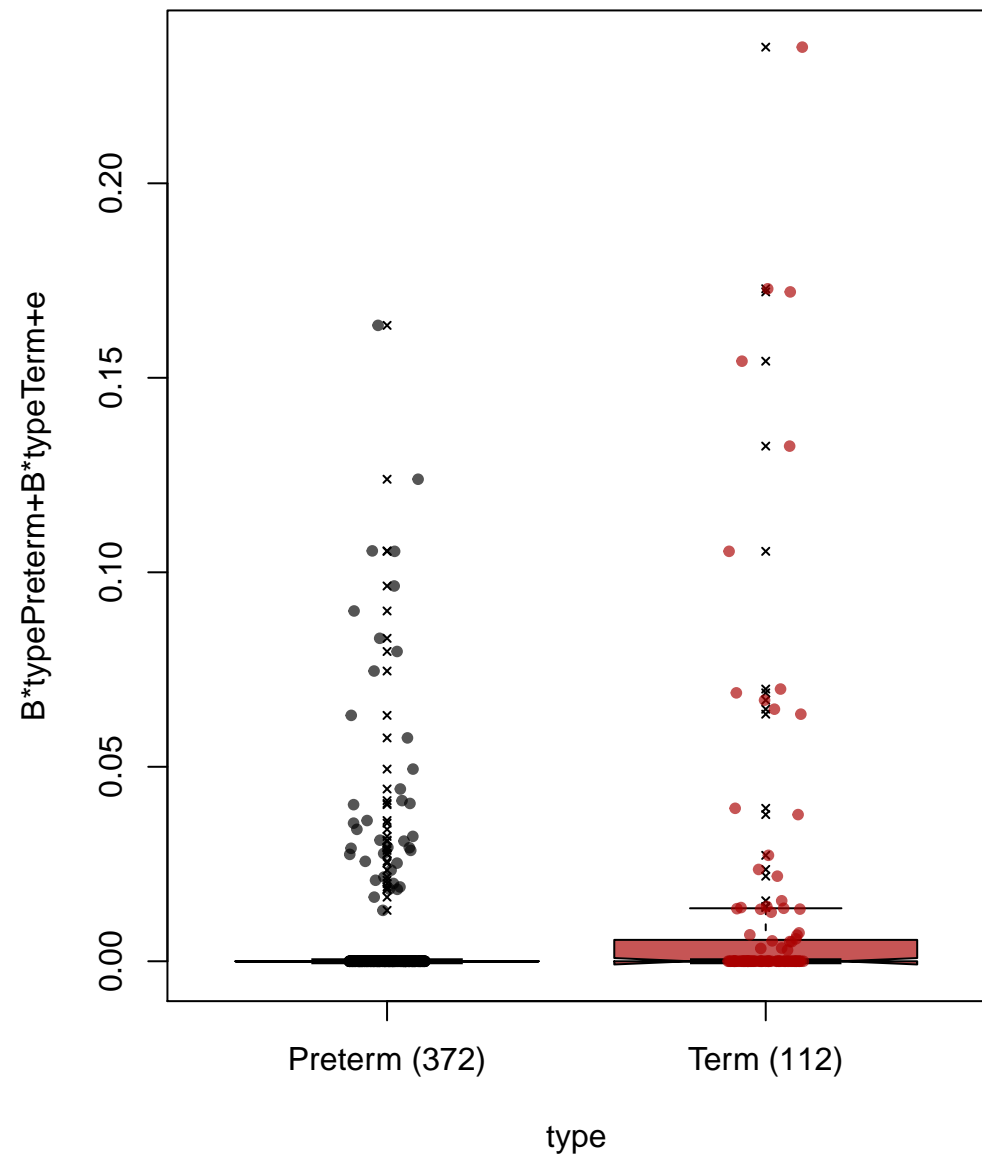
Partial Residual Plot



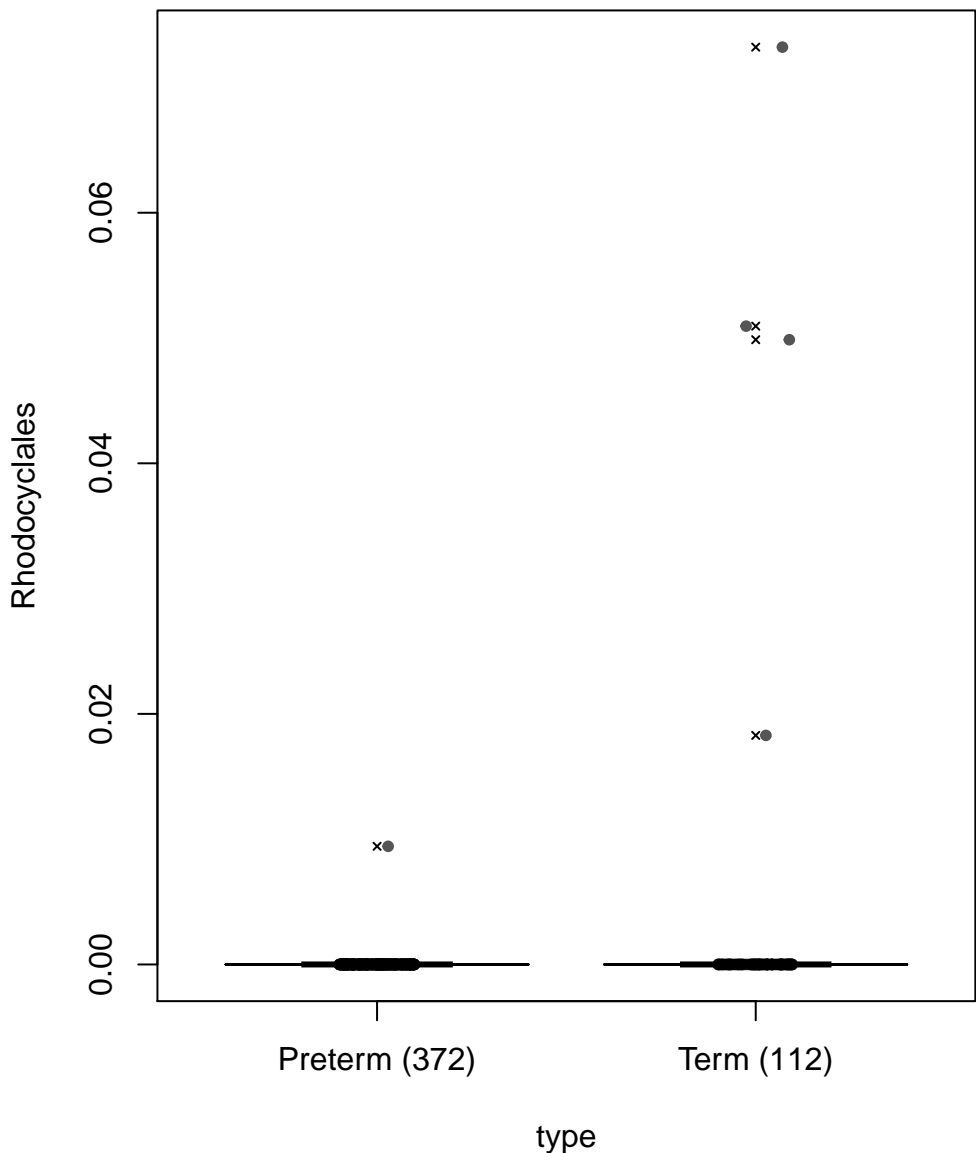
typeTerm (0.00947 sd 0.00268, p=0.000442, q=0.00197)



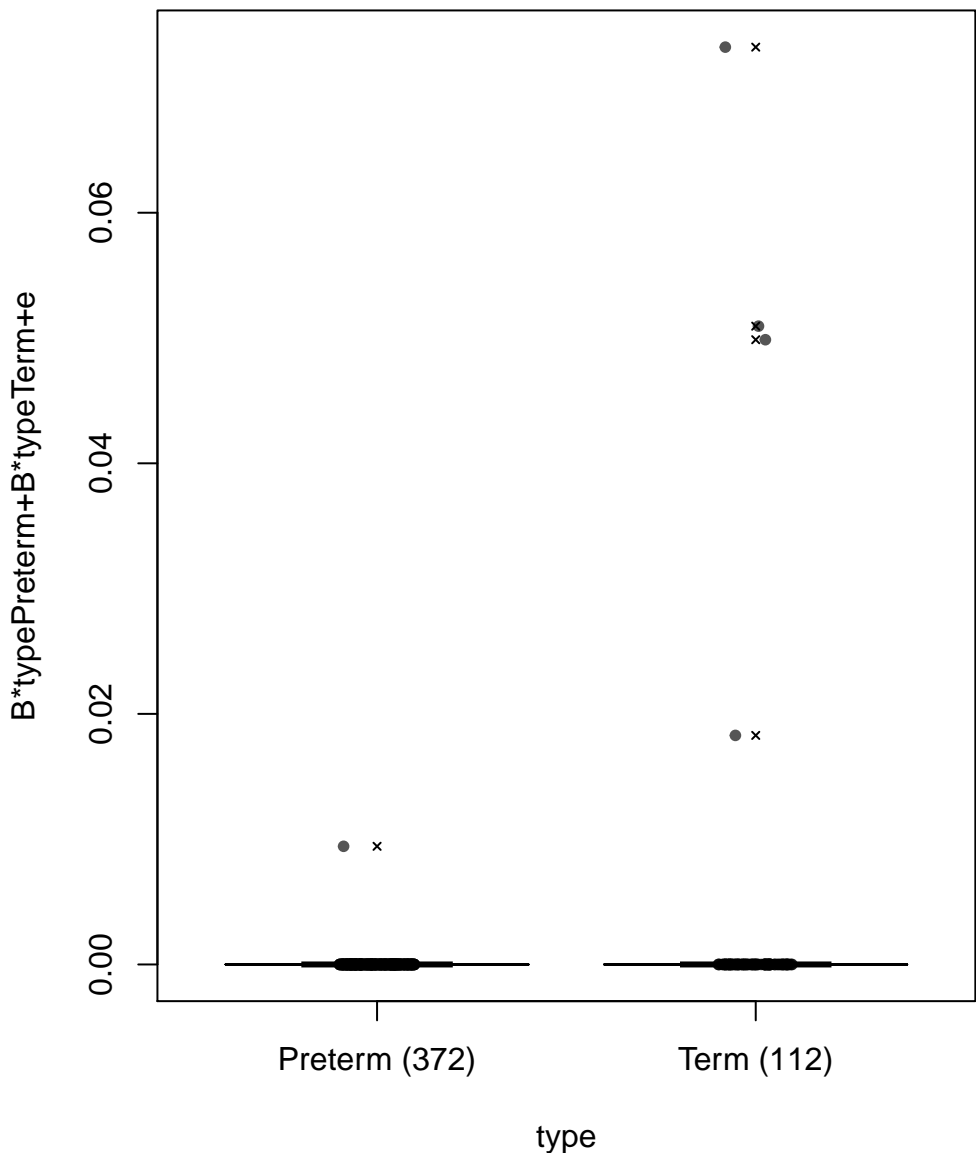
Partial Residual Plot



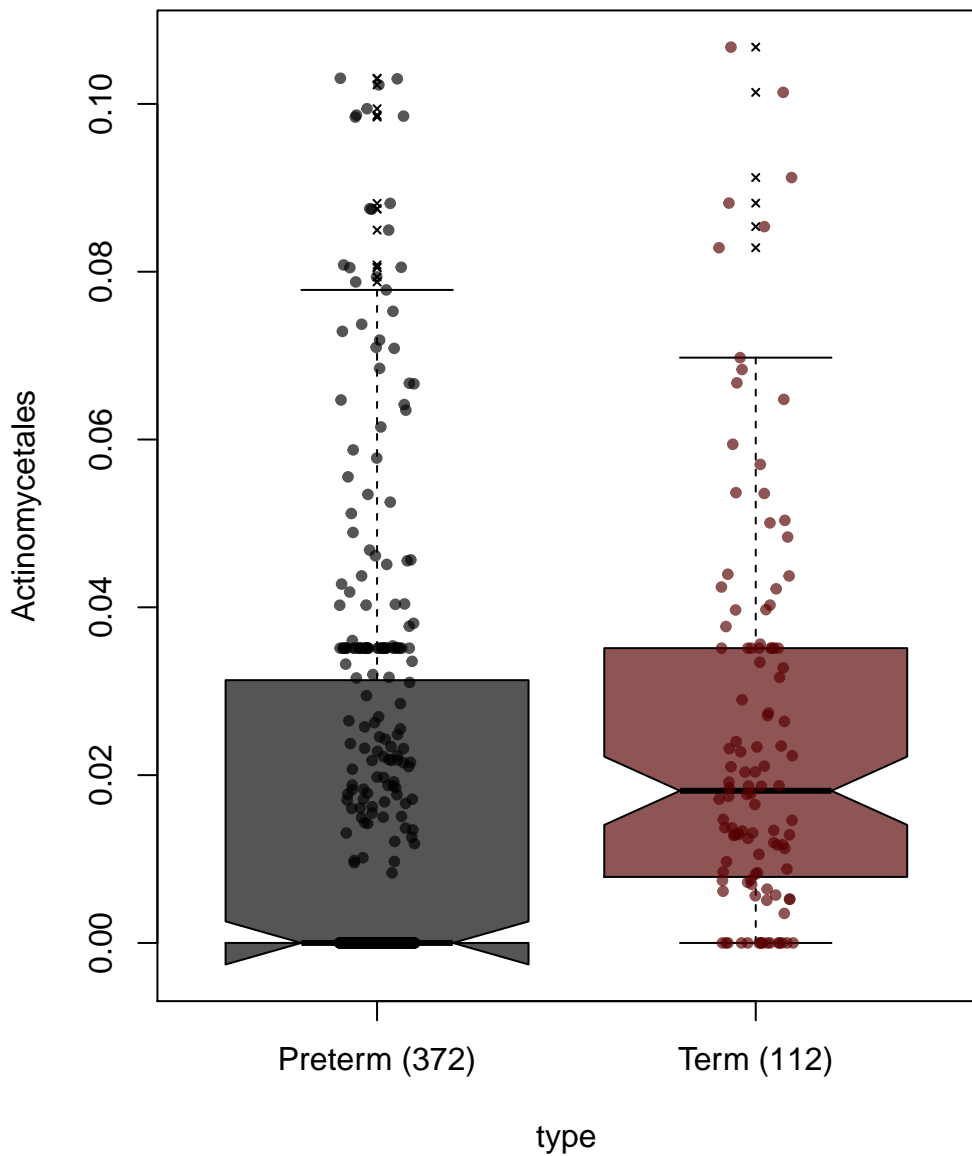
typeTerm (0.00169 sd 0.000504, p=0.00085, q=0.00356)



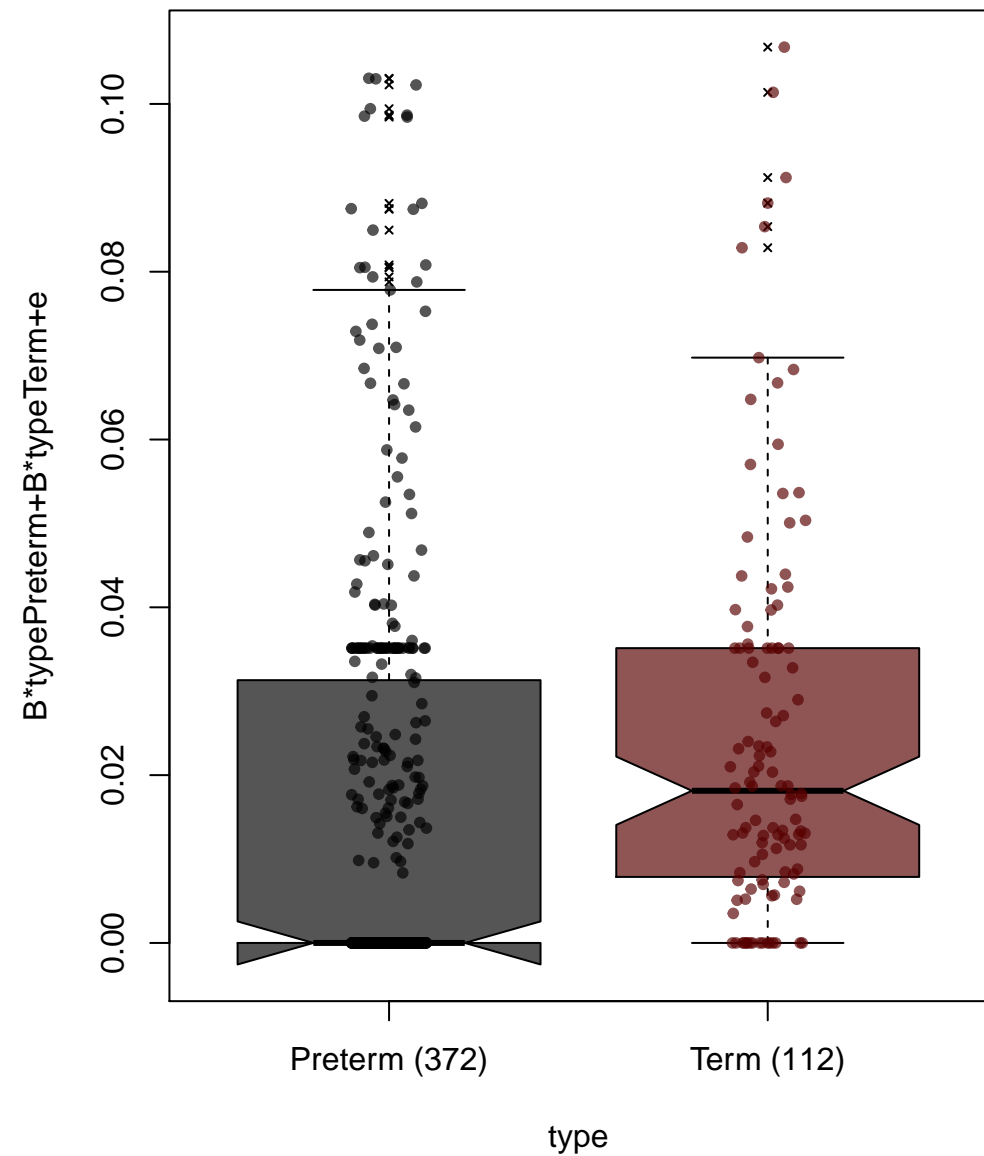
Partial Residual Plot



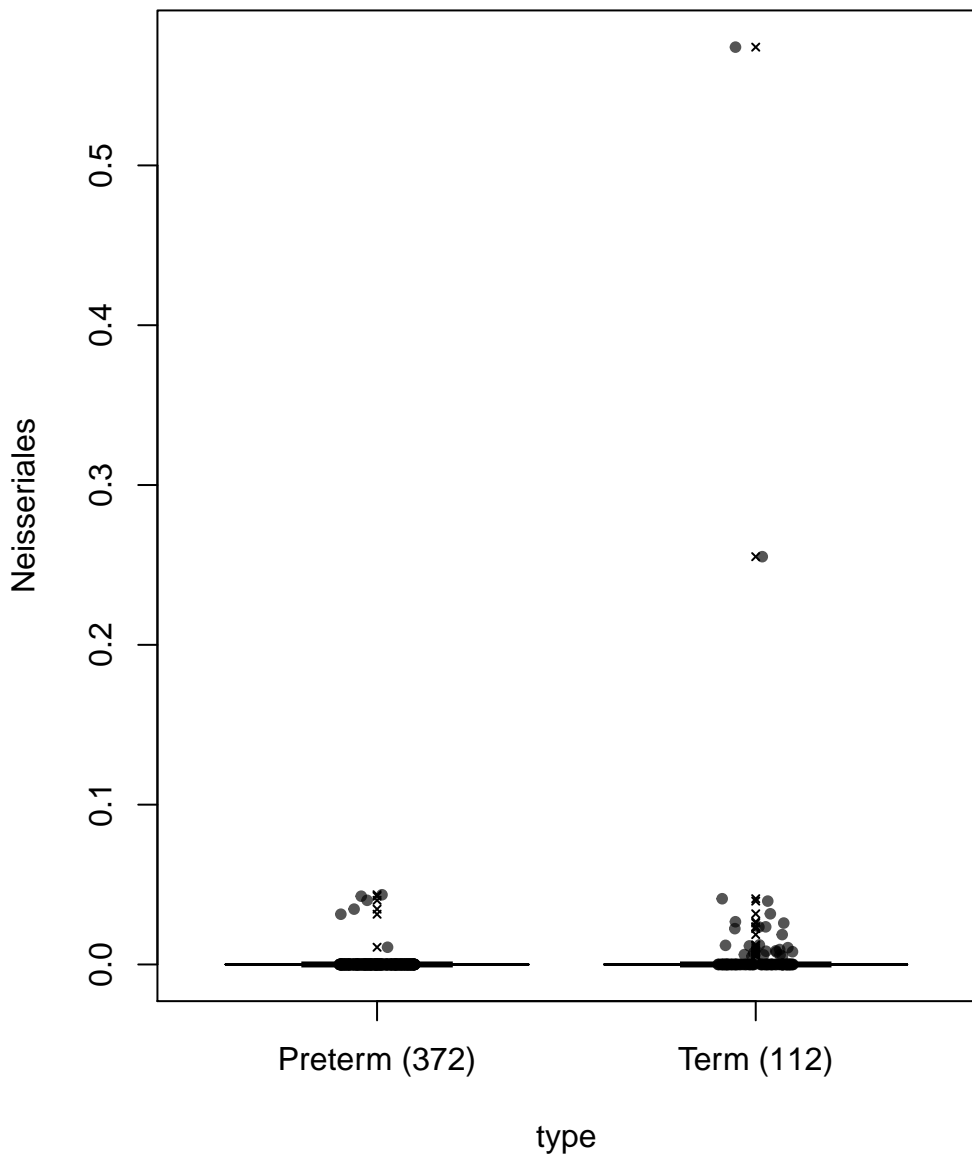
typeTerm (0.00874 sd 0.00263, p=0.000948, q=0.00374)



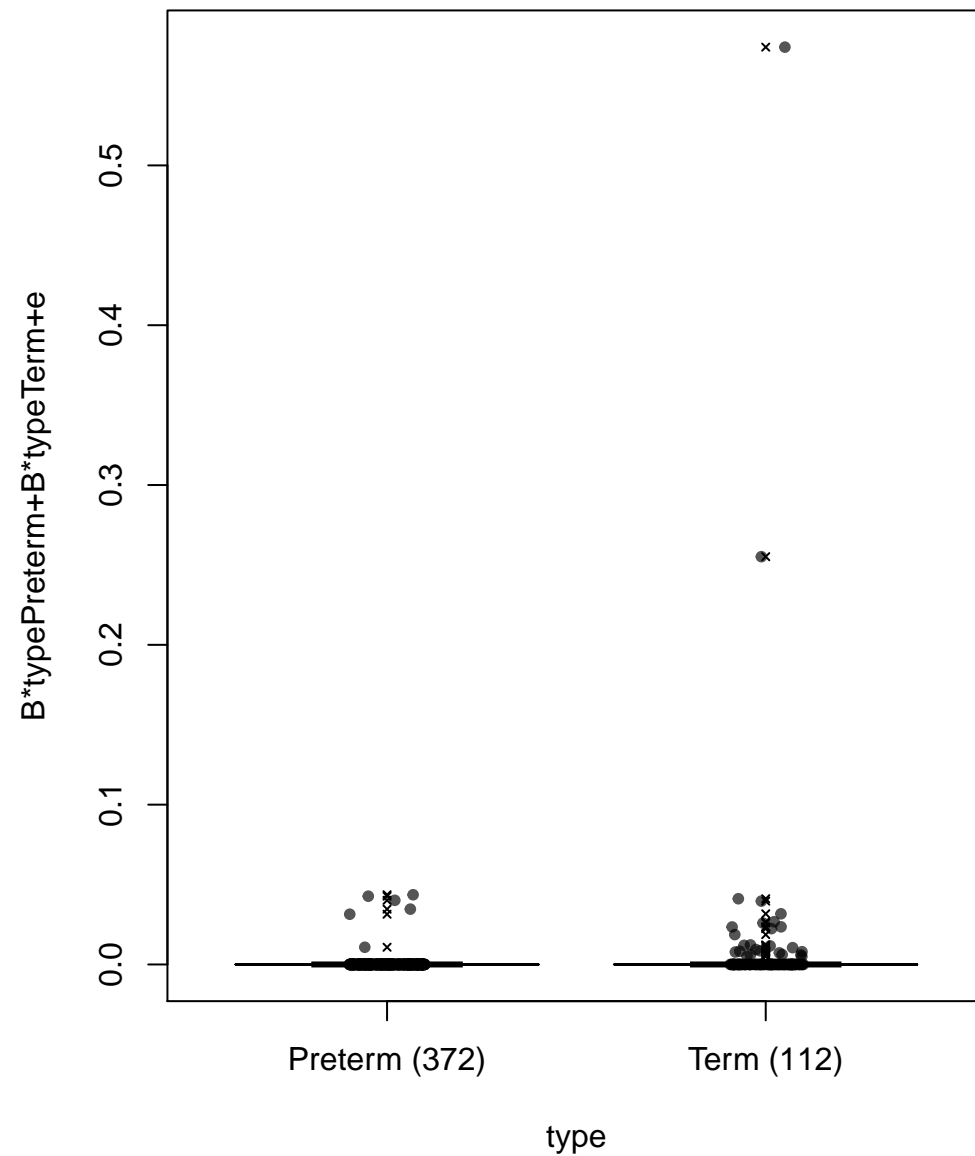
Partial Residual Plot



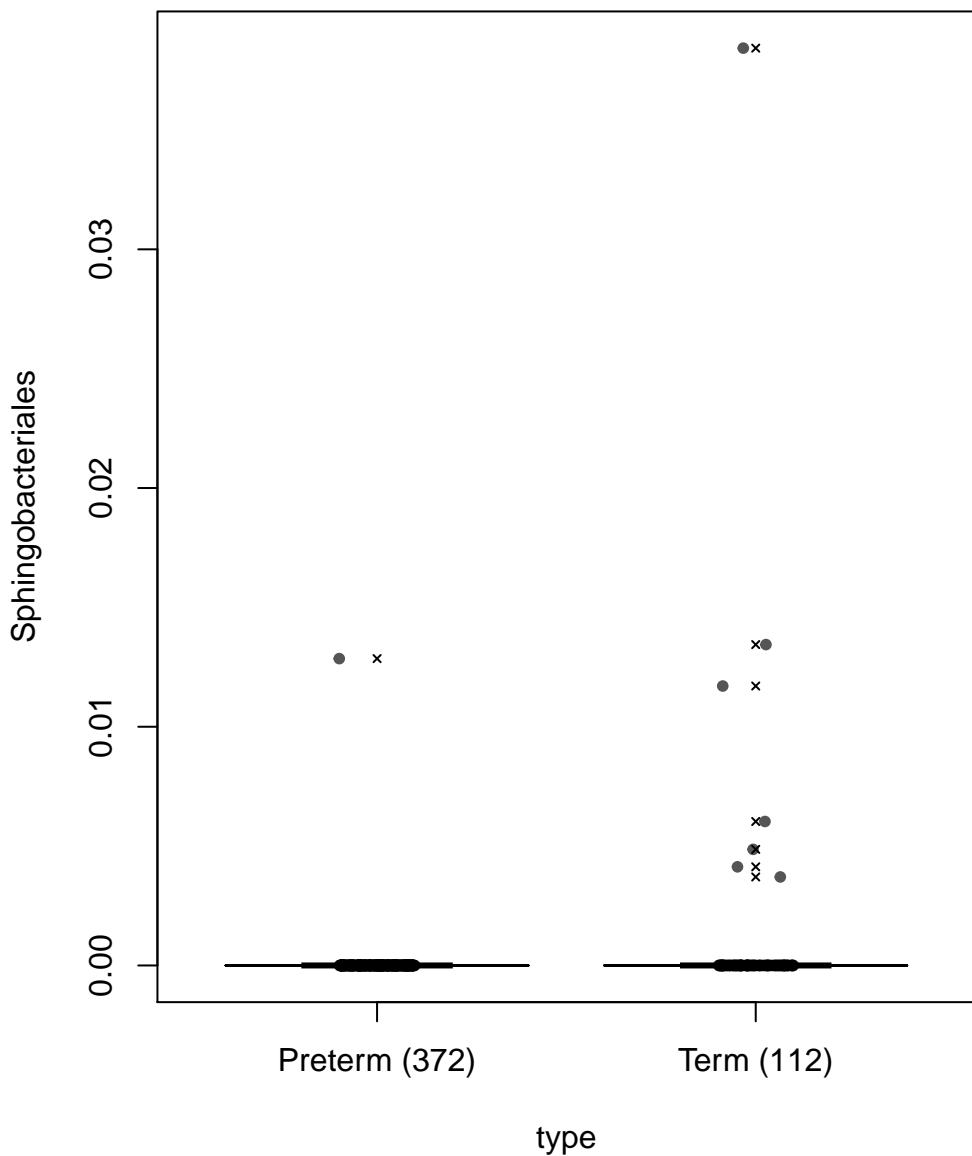
typeTerm (0.0102 sd 0.0031, p=0.00103, q=0.00384)



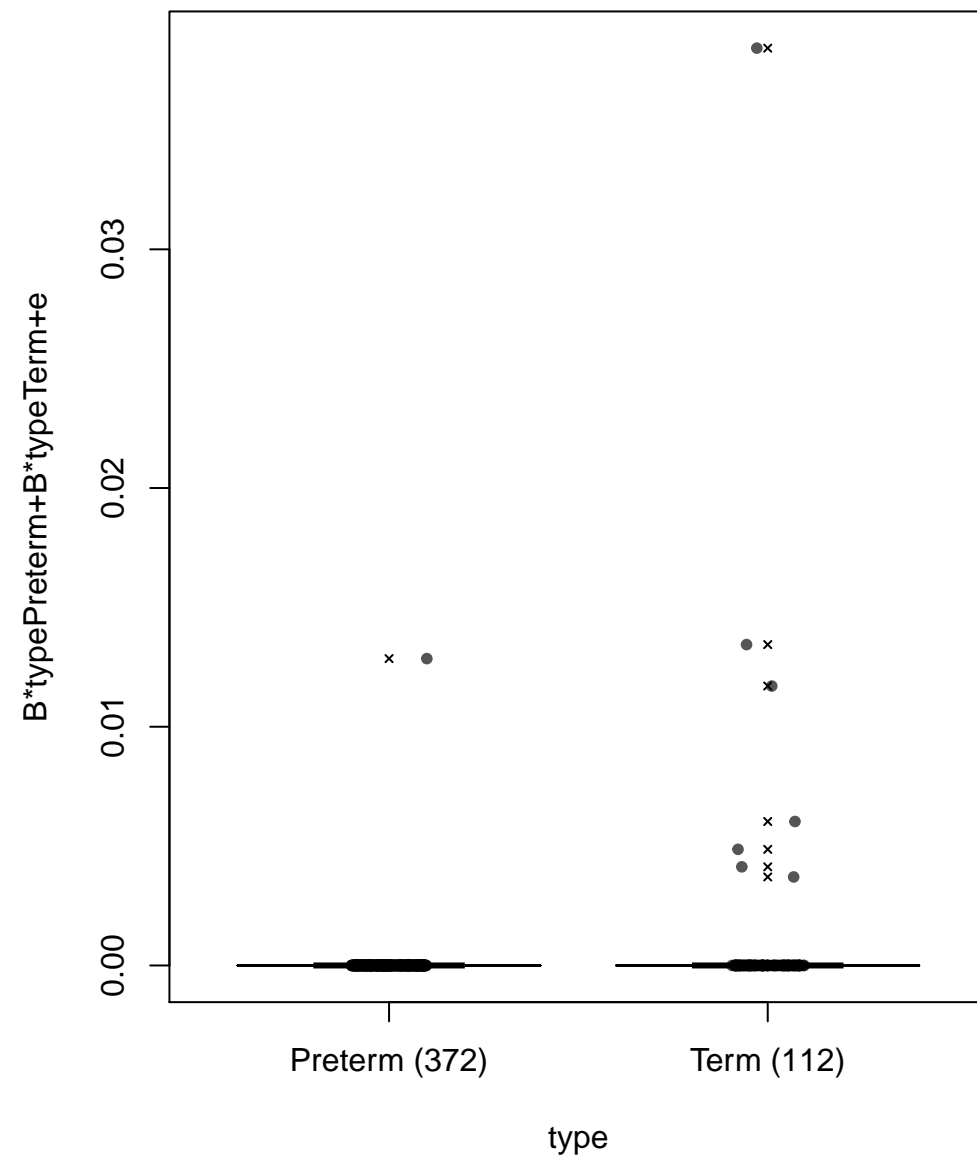
Partial Residual Plot



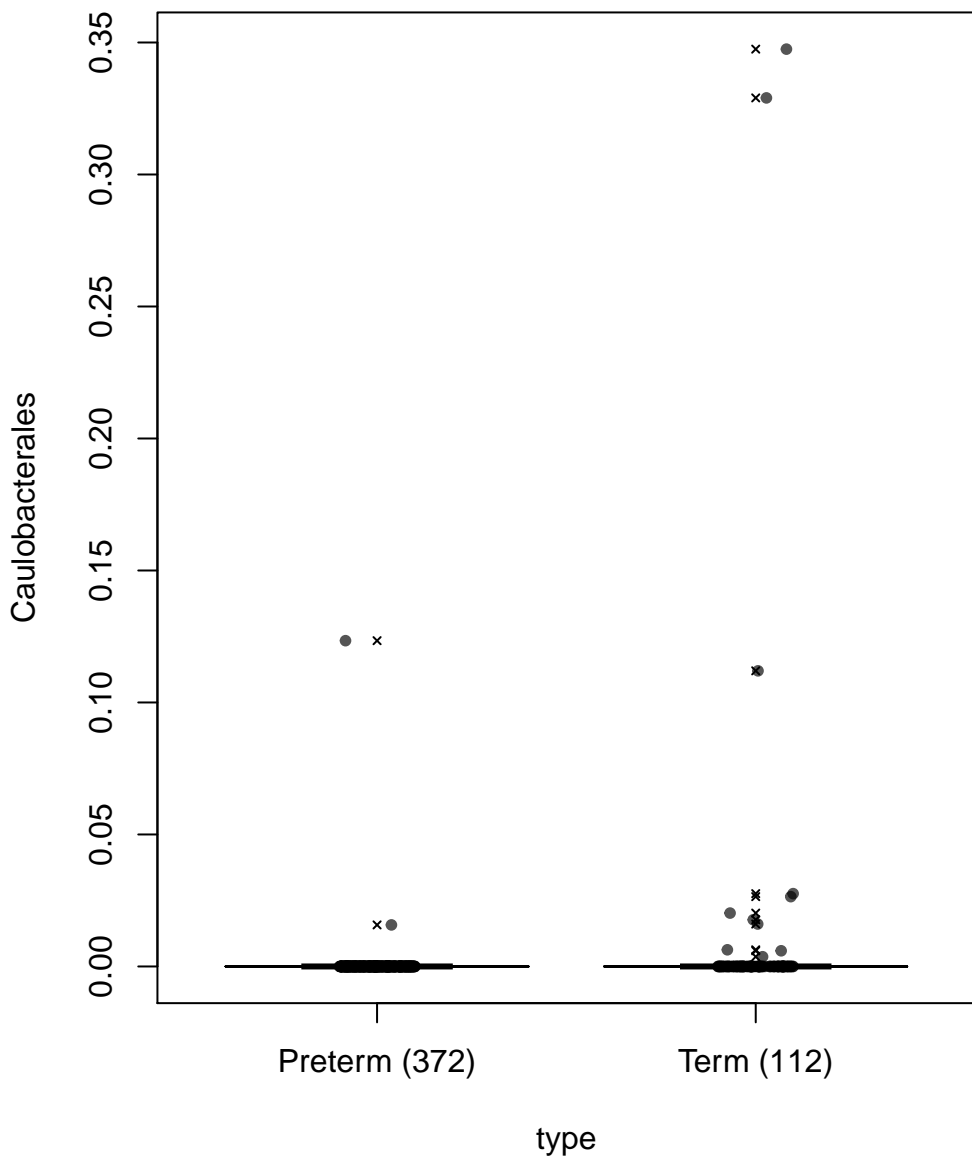
typeTerm (0.0007 sd 0.000219, p=0.00147, q=0.00519)



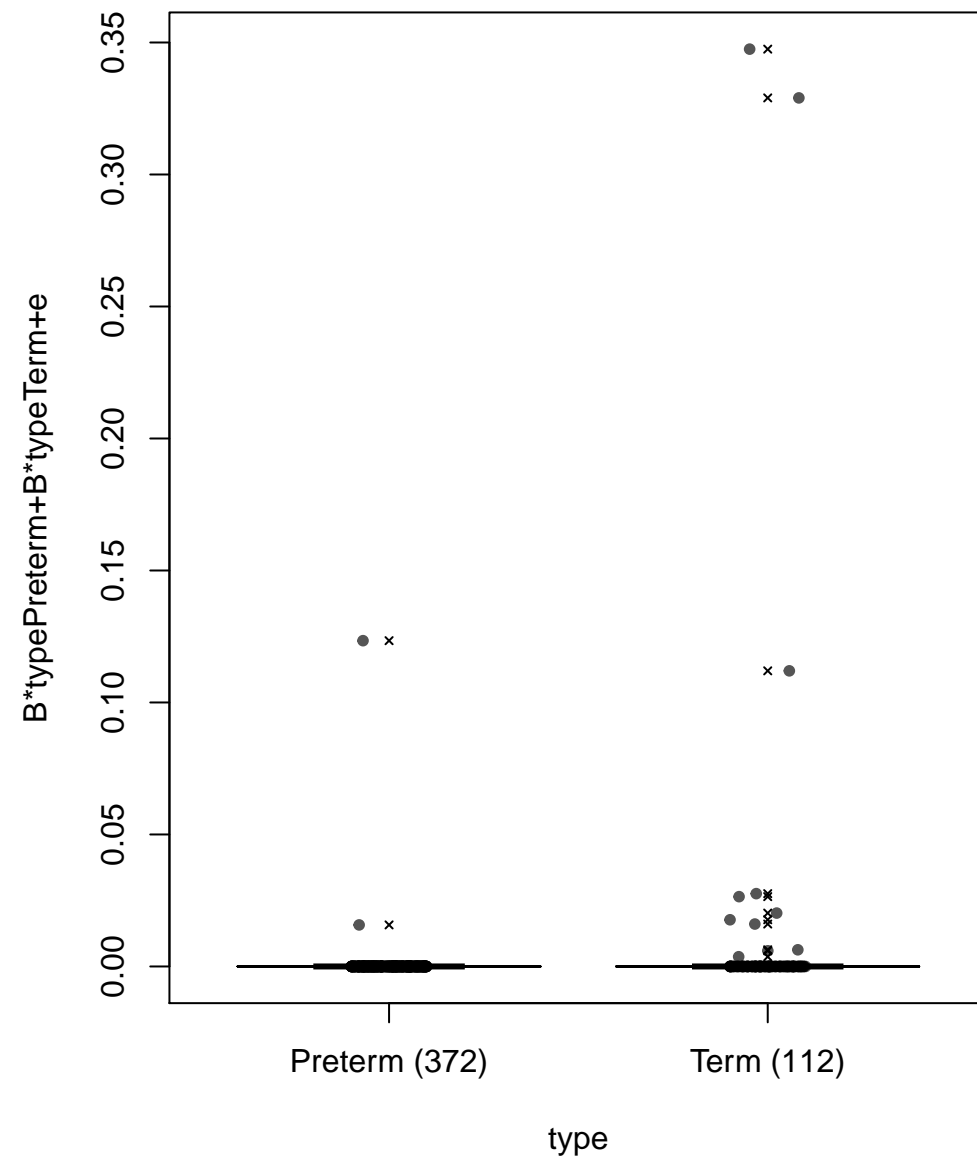
Partial Residual Plot



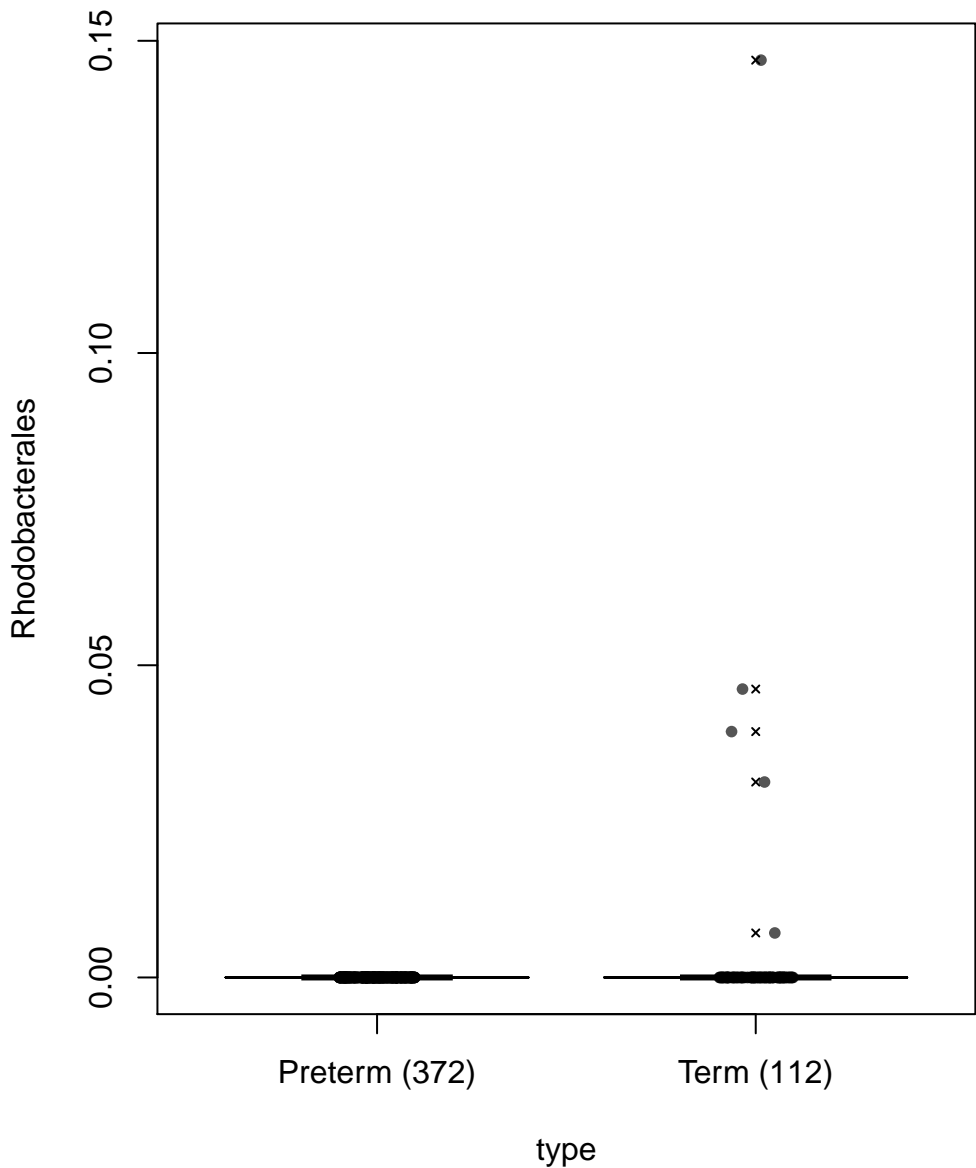
typeTerm (0.00777 sd 0.00246, p=0.00171, q=0.00574)



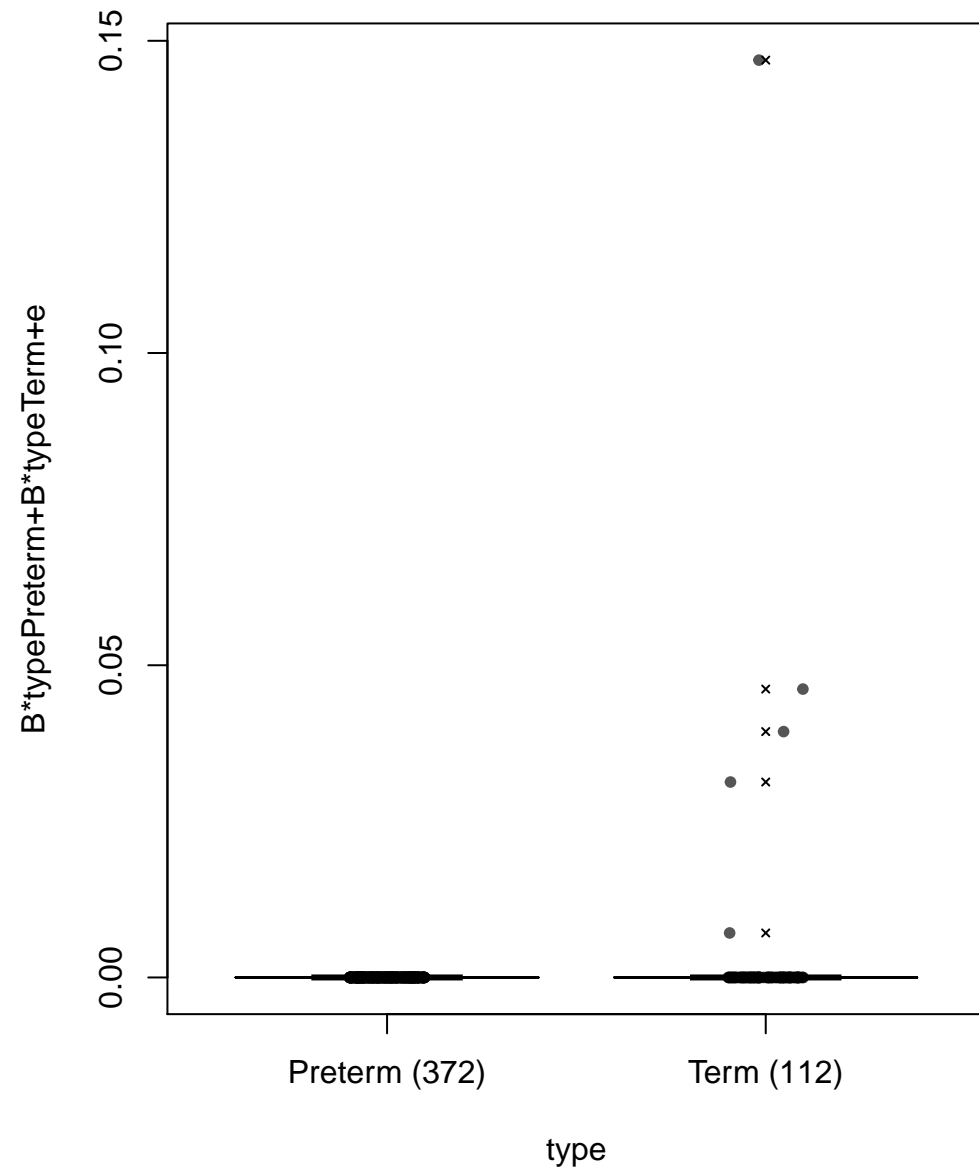
Partial Residual Plot



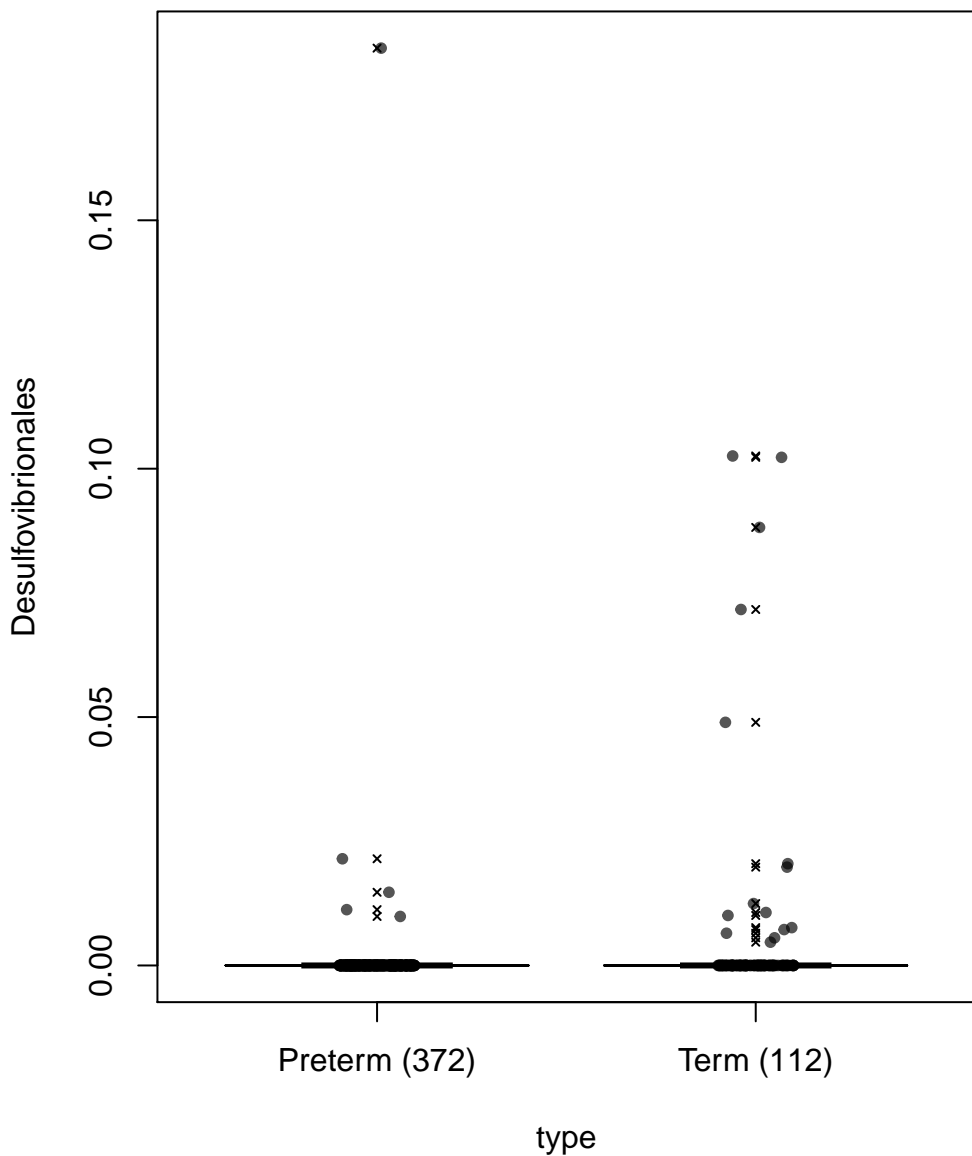
typeTerm (0.00242 sd 0.000786, p=0.00221, q=0.00705)



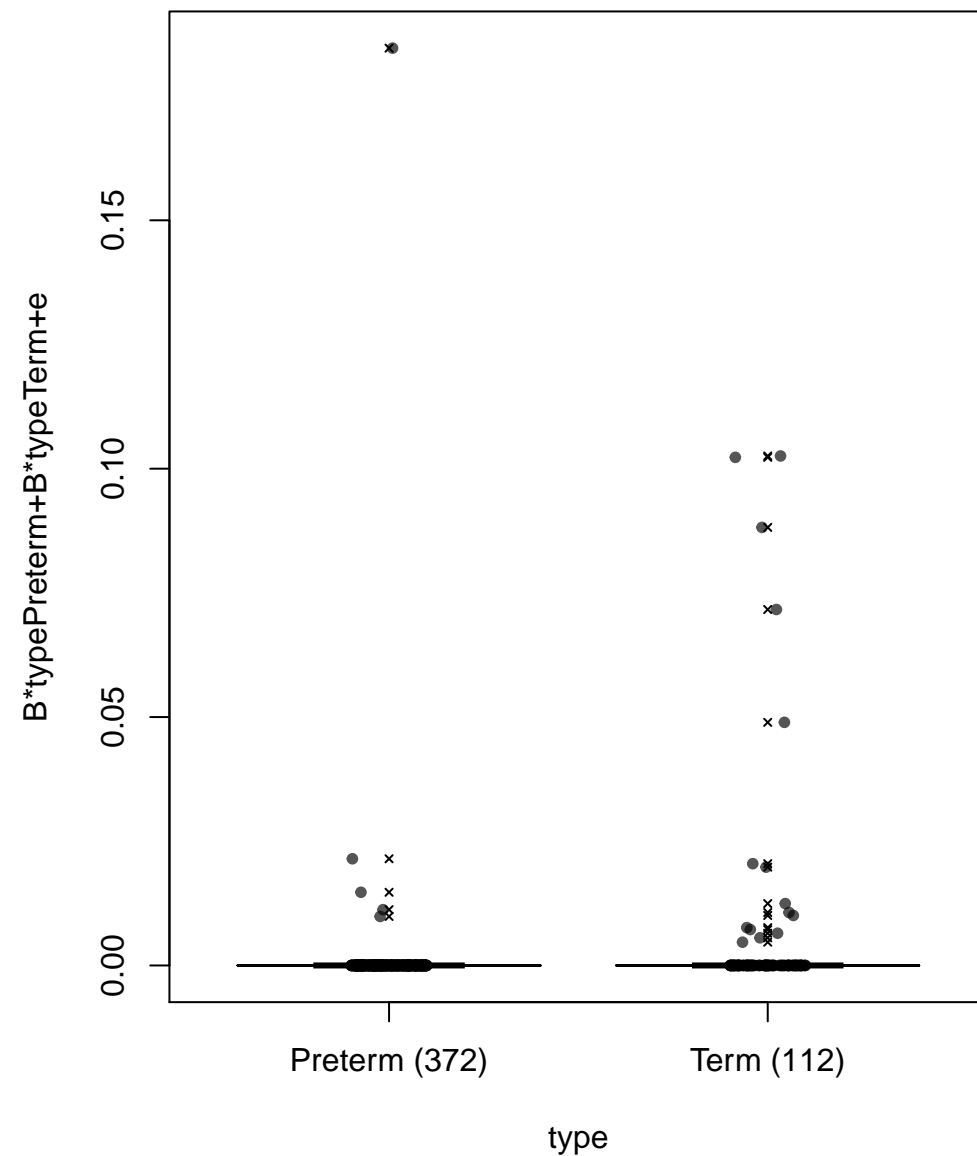
Partial Residual Plot



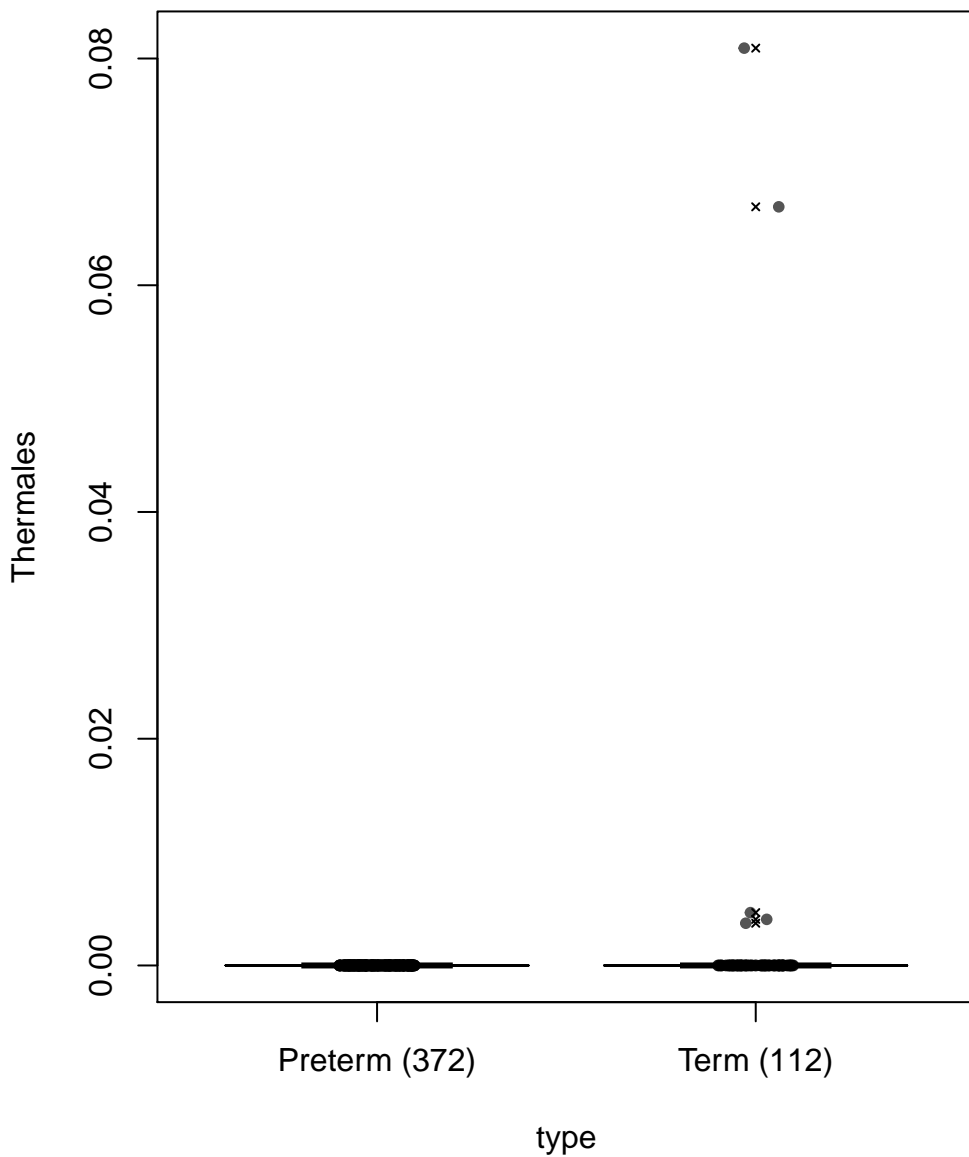
typeTerm (0.00398 sd 0.0013, p=0.00232, q=0.00707)



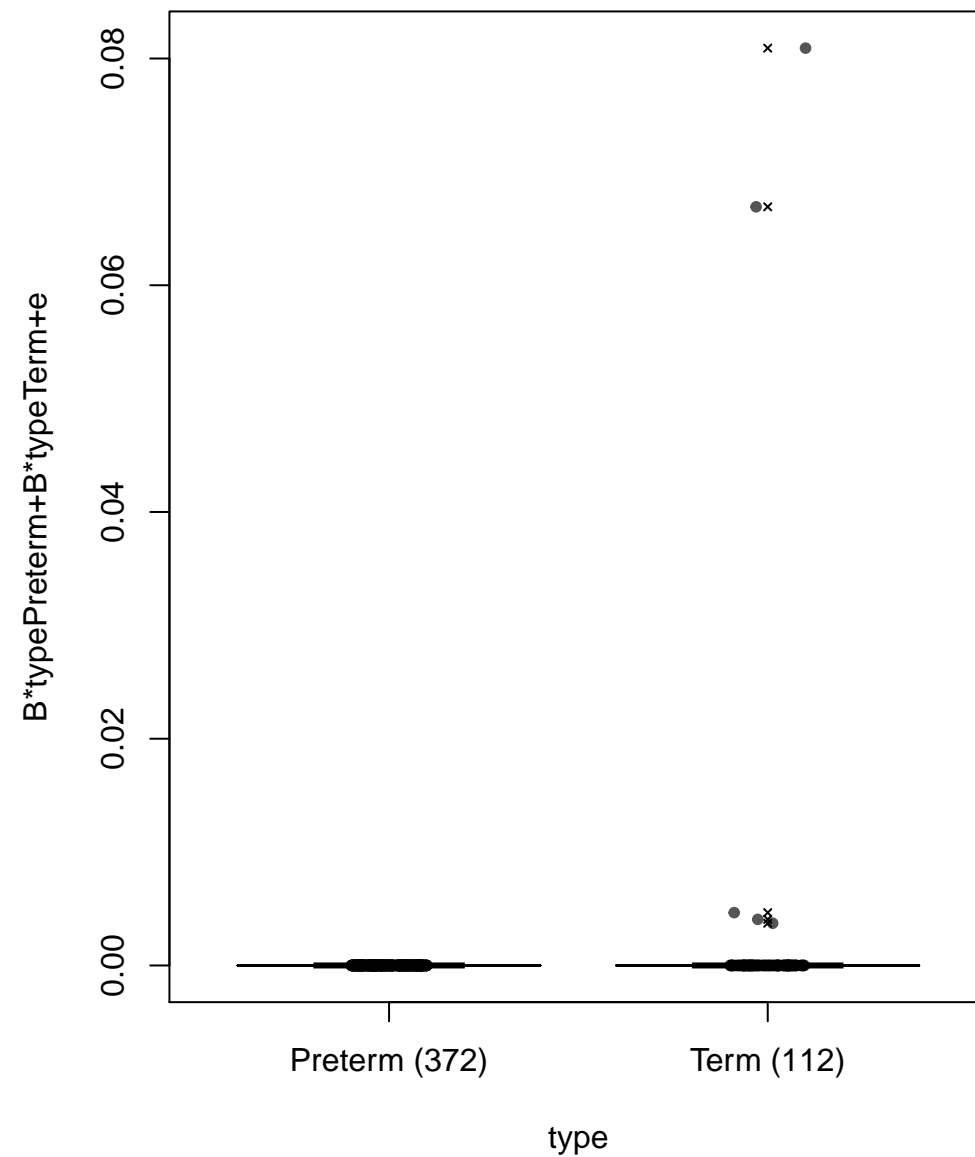
Partial Residual Plot



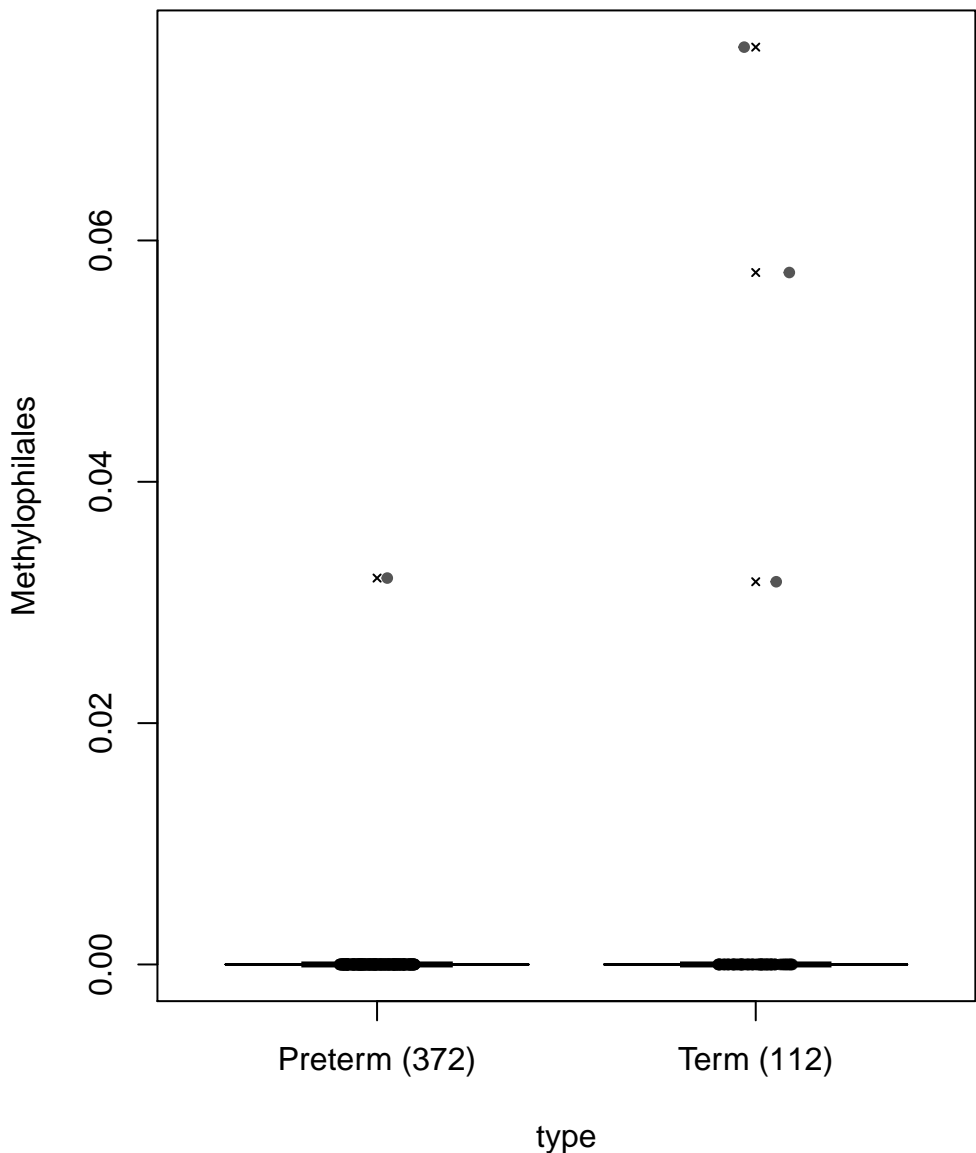
typeTerm (0.00143 sd 0.000511, p=0.00533, q=0.0155)



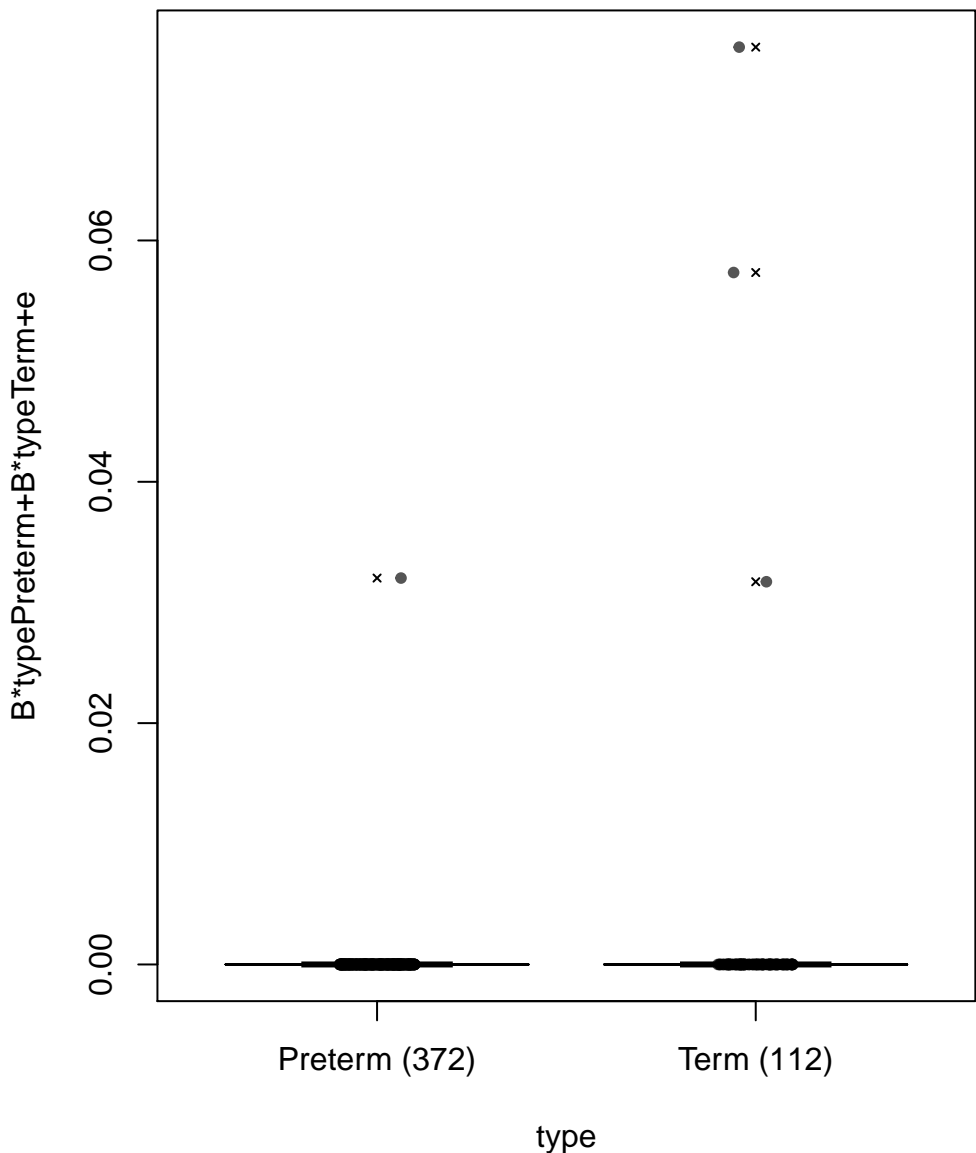
Partial Residual Plot



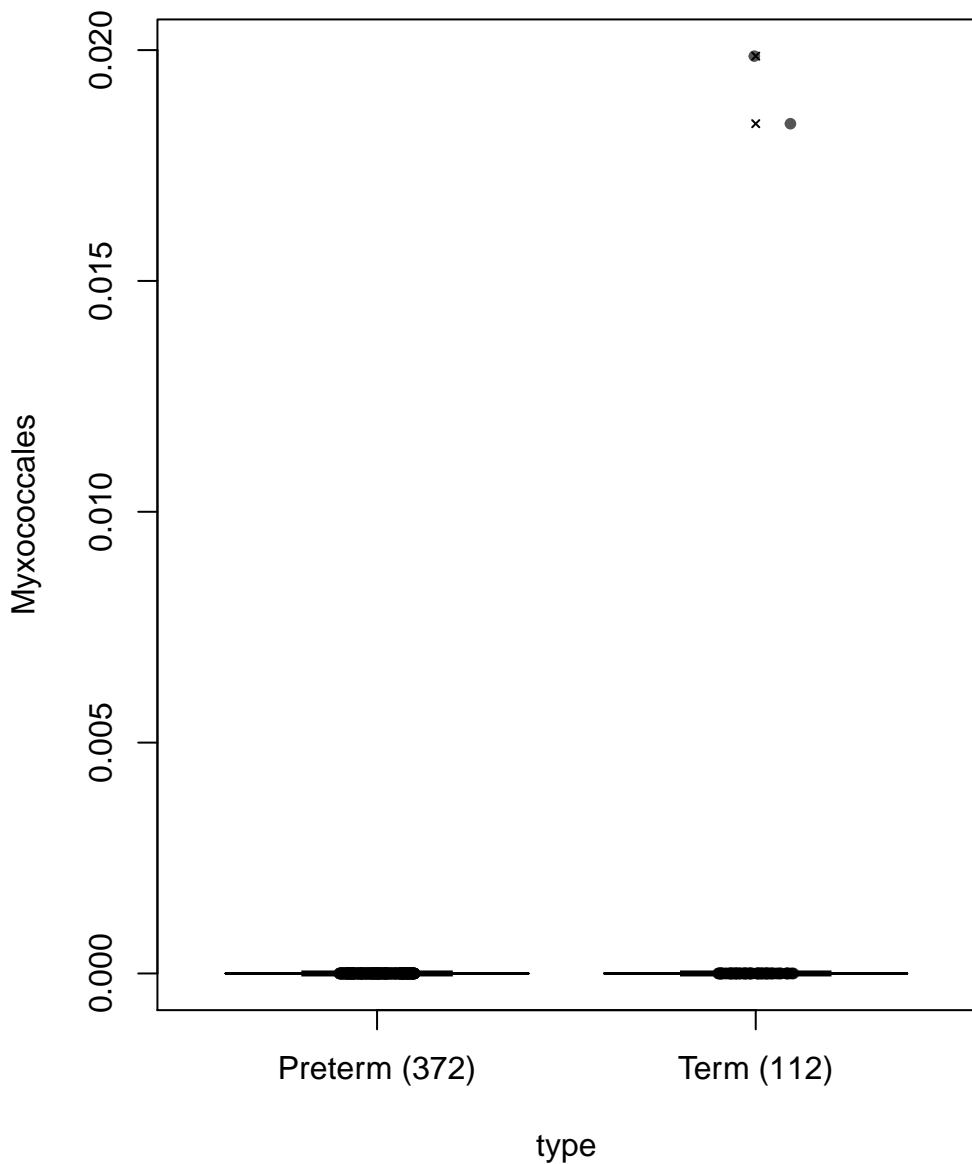
typeTerm (0.00139 sd 0.000511, p=0.00689, q=0.0192)



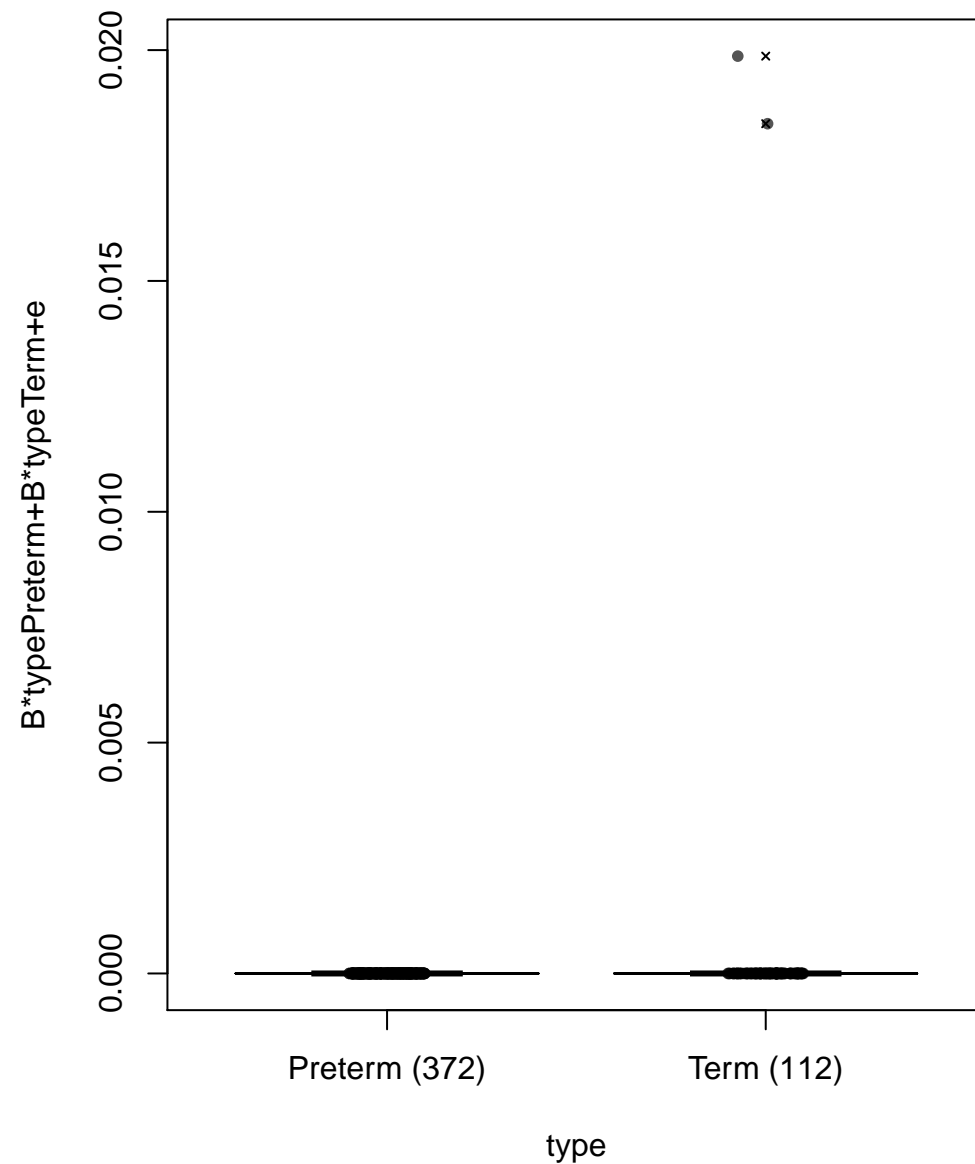
Partial Residual Plot



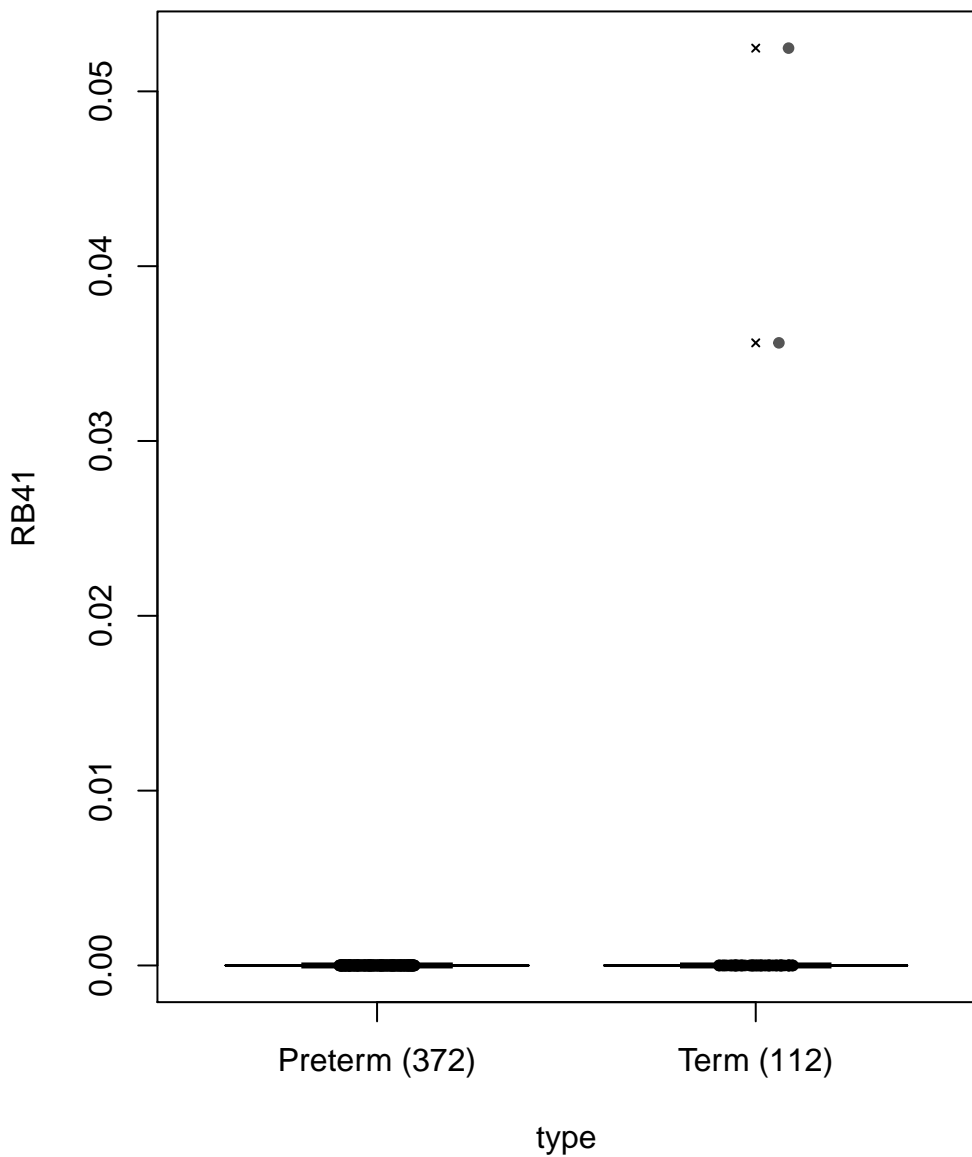
typeTerm (0.000342 sd 0.000132, p=0.00979, q=0.0262)



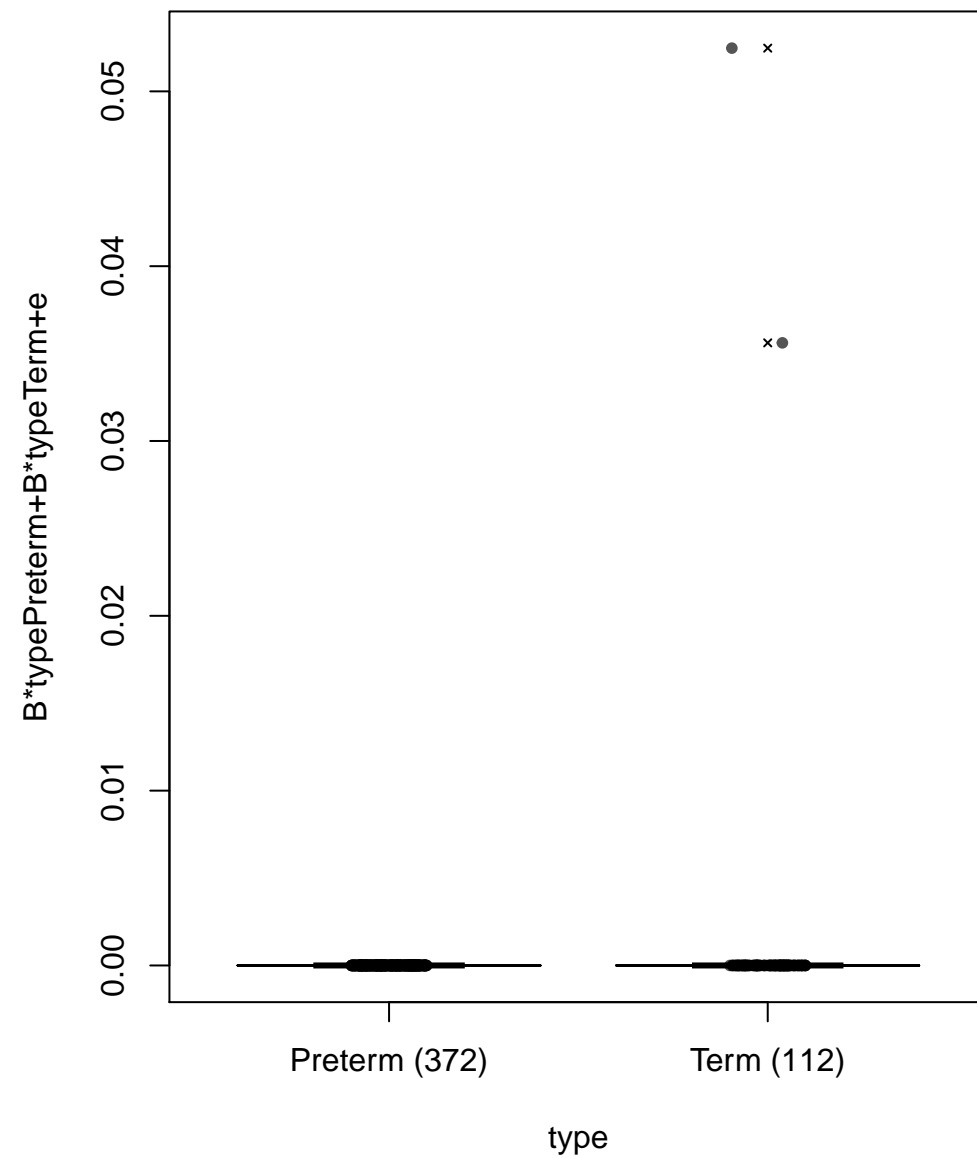
Partial Residual Plot



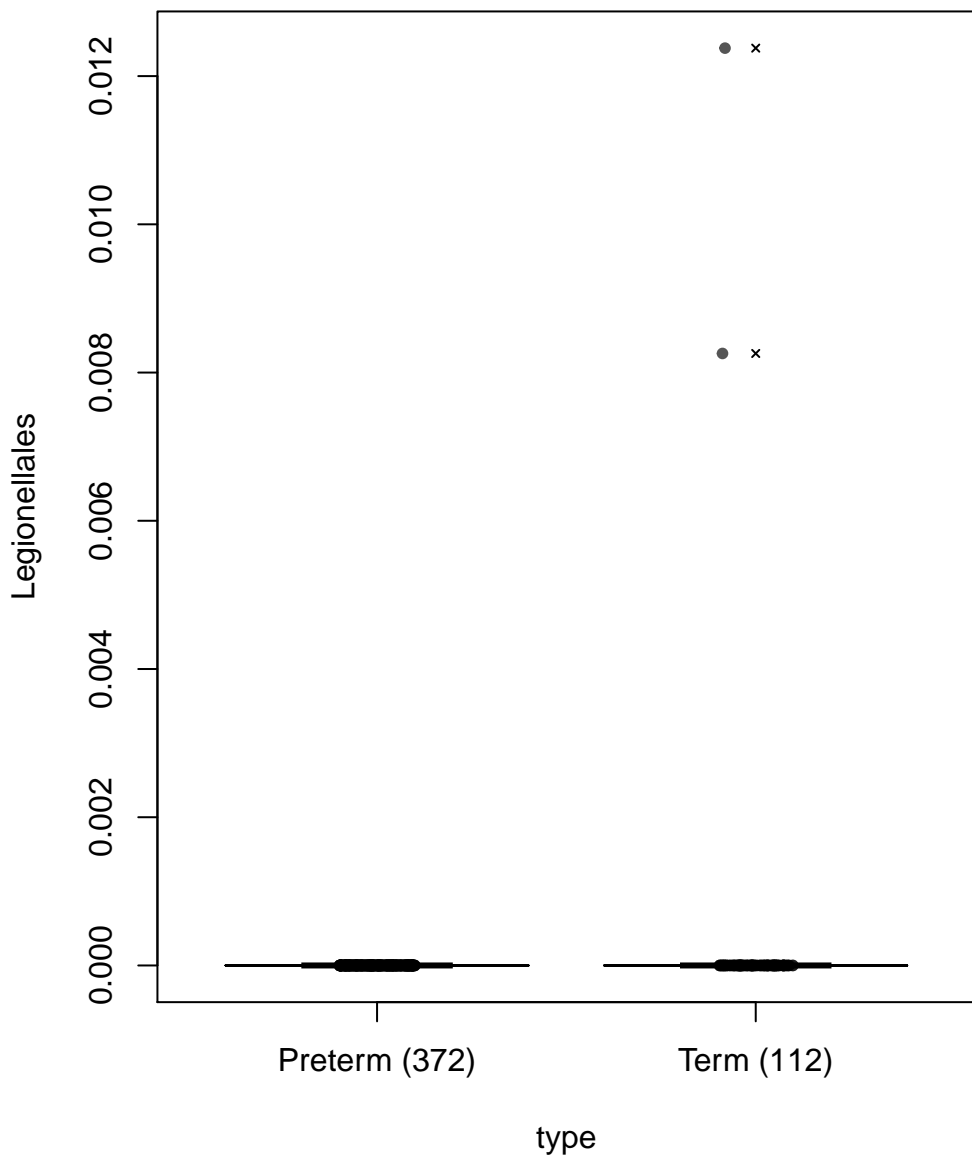
typeTerm (0.000786 sd 0.000309, p=0.0111, q=0.028)



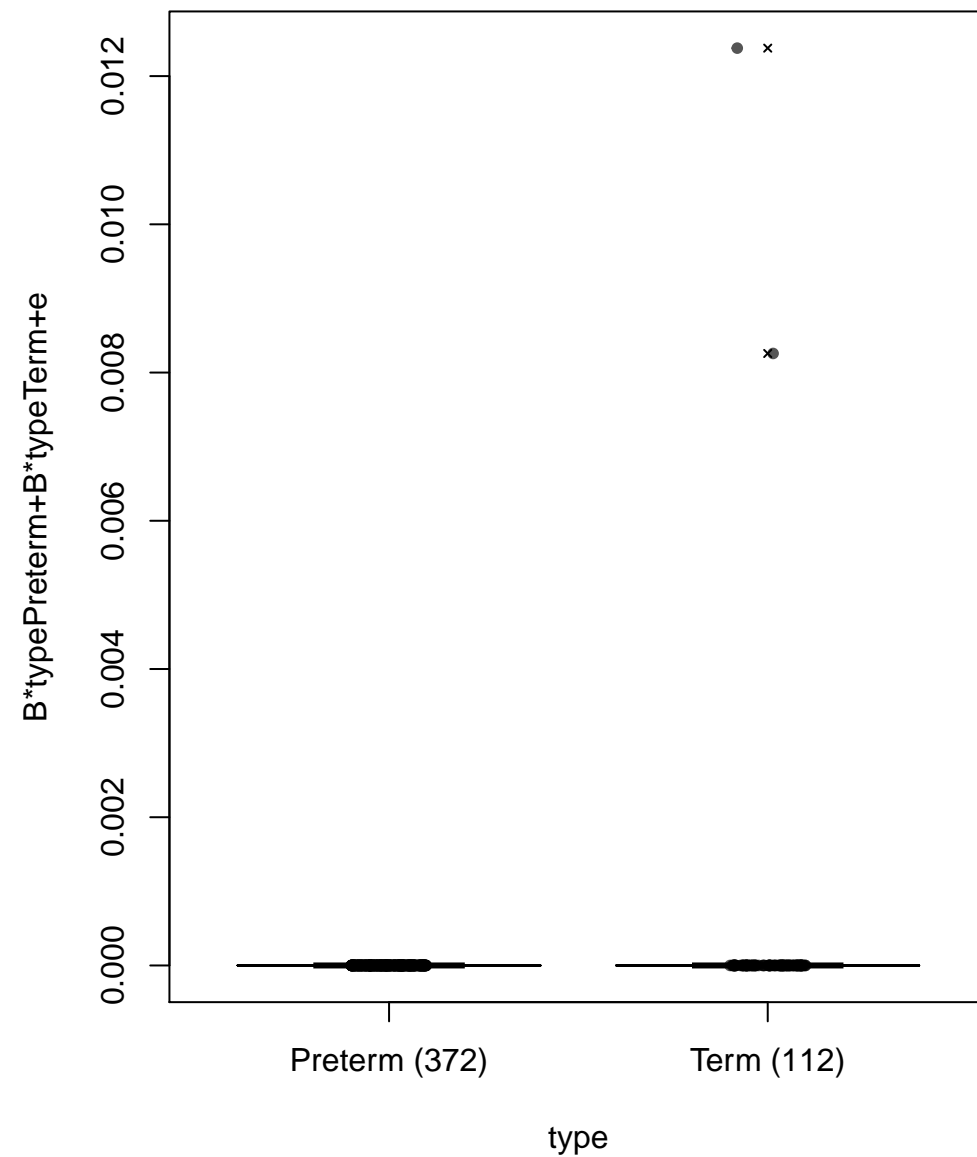
Partial Residual Plot



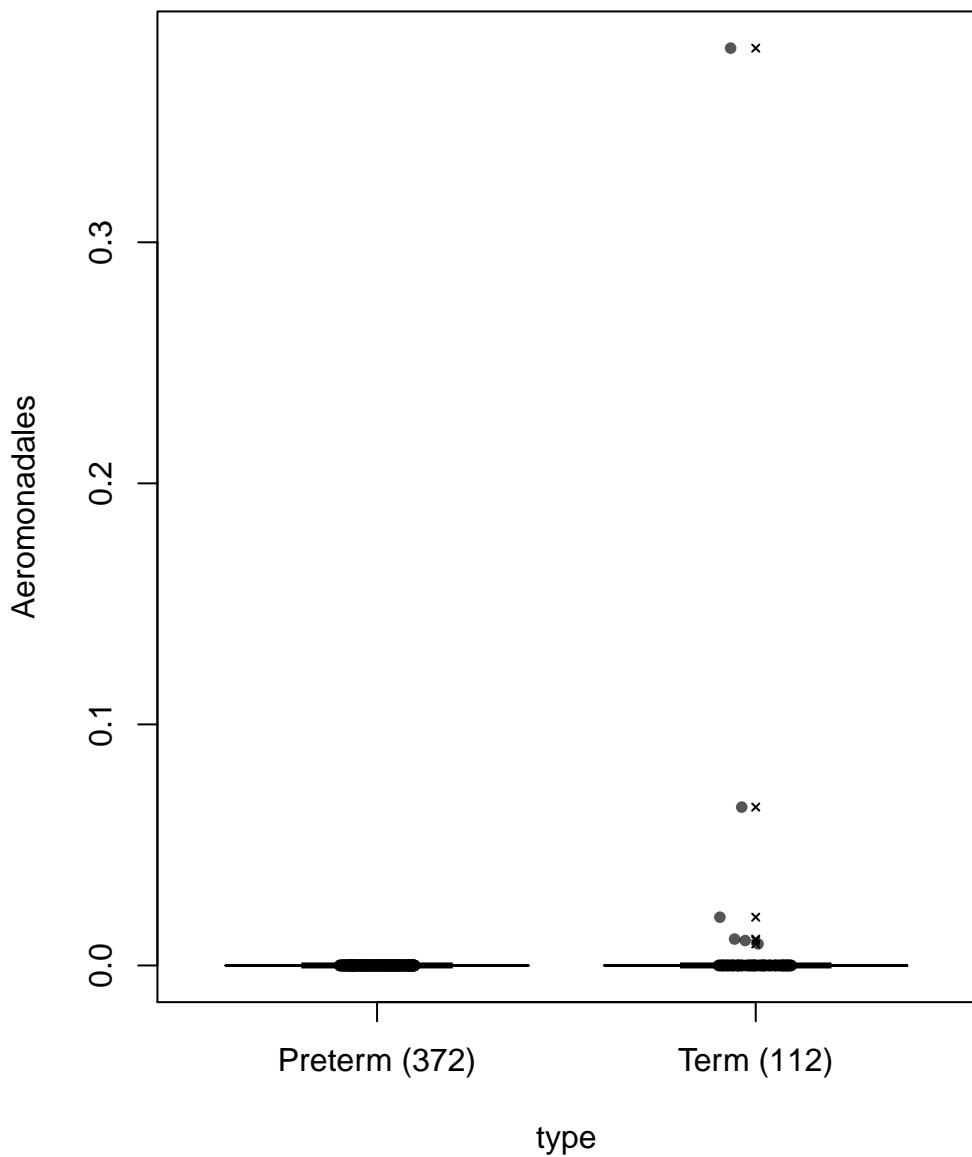
typeTerm (0.000184 sd 7.24e-05, p=0.0113, q=0.028)



Partial Residual Plot



typeTerm (0.00443 sd 0.00189, p=0.0192, q=0.0459)



Partial Residual Plot

