**Output with Quadrupedal Stand as the Outgroup:**

Linear mixed model fit by REML ['lmerMod']

Formula: therm\_t ~ pos\_beh + amb\_t + sun + date + hab\_type + (1 | individual)

Data: prelim\_temp3

REML criterion at convergence: 3134.4

Scaled residuals:

Min 1Q Median 3Q Max

-3.09318 -0.62833 0.02685 0.60039 3.11356

Random effects:

Groups Name Variance Std.Dev.

individual (Intercept) 0.3788 0.6155

Residual 2.7352 1.6538

Number of obs: 804, groups: individual, 12

Fixed effects:

Estimate Std. Error t value

(Intercept) 626.512999 127.280001 4.922

pos\_behLy -1.468689 0.321678 -4.566

pos\_behSq -0.831725 0.690810 -1.204

pos\_behSt -0.097311 0.259671 -0.375

pos\_behQW -0.187070 0.274740 -0.681

pos\_behBp -0.555998 0.281731 -1.974

pos\_behSu 0.160764 0.578995 0.278

pos\_behVC -0.357375 0.414345 -0.863

amb\_t 0.270917 0.017116 15.828

sun 0.048866 0.002927 16.697

date -0.034016 0.007182 -4.736

hab\_typeBMWD 0.429247 0.796962 0.539

hab\_typeGA 1.087375 0.792719 1.372

hab\_typeGL 0.783744 0.814616 0.962

hab\_typeWD 0.777383 0.761911 1.020

Confidence Intervals:

2.5 % 97.5 %

.sig01 0.35441408 0.972738671

.sigma 1.56195777 1.723853725

(Intercept) 379.48665144 880.066999447

pos\_behLy -2.09161587 -0.838901705

pos\_behSq -2.17573462 0.511719731

pos\_behSt -0.60130464 0.409108085

pos\_behQW -0.71990772 0.349380577

pos\_behBp -1.10447747 -0.008411612

pos\_behSu -0.96197465 1.291468192

pos\_behVC -1.16311712 0.448806985

amb\_t 0.23619366 0.304042058

sun 0.04321739 0.054649145

date -0.04832081 -0.020078689

hab\_typeBMWD -1.13786609 1.969683385

hab\_typeGA -0.45702016 2.627015622

hab\_typeGL -0.80590089 2.364109309

hab\_typeWD -0.70628294 2.257931549

**With Quadrupedal Walk as the Outgroup:**

**With Sit as the Outgroup:**

**With Bipedalism as the Outgroup:**