

Response names

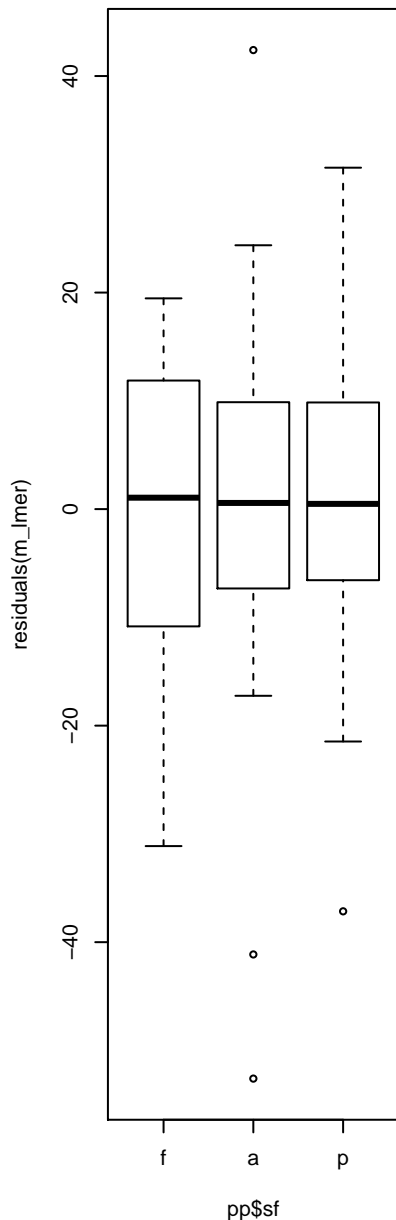
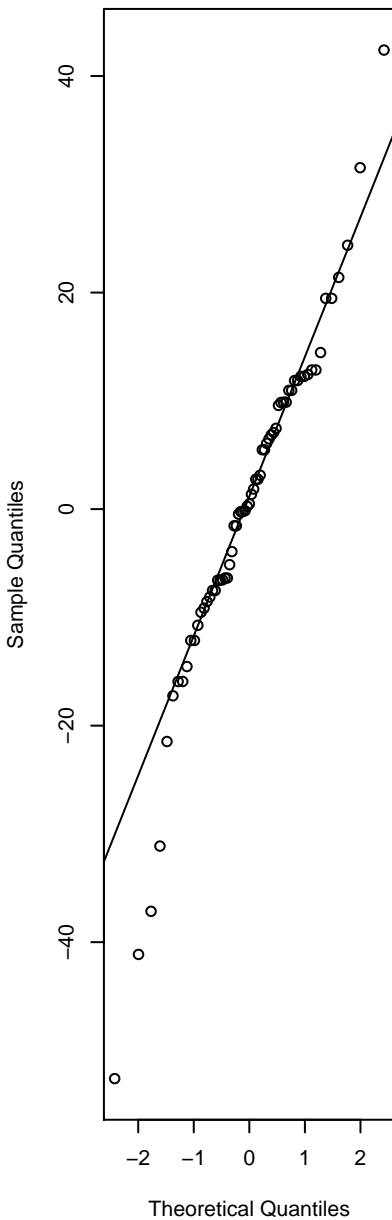
| response | |
|----------|--|
| mean_d1 | mean daily radial growth rate |
| max_d1 | maximum daily radial growth rate |
| xylem | tree ring width |
| max_d1_d | day of the maximum daily growth rate |
| on_e | julian day of onset of enlargement |
| on_l | julian day of onset of secondary wall thickening and lignification |
| on_m | julian day of onset of maturation |
| ce_e | julian day of cessation of enlargement |
| ce_l | julian day of cessation of secondary wall thickening and lignification |
| p_e | duration of enlargement |
| p_l | duration of secondary wall thickening and lignification |
| p_grow | growth duration |
| GDD | growing degree days |

Model 1 - equation 2

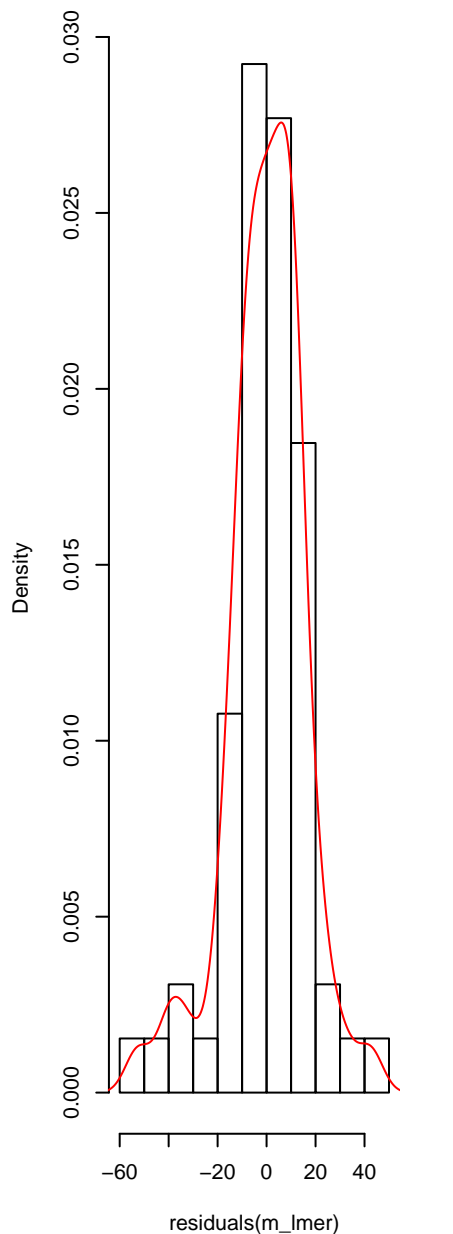
| response | r2m | r2c | shapiro | levene | power | remarks |
|----------|------|------|---------|--------|-------|------------------------|
| mean_d1 | 0.34 | 0.36 | 0.74 | 0.14 | 1000 | |
| max_d1 | 0.2 | 0.32 | 0.76 | 0.06 | 968 | |
| xylem | 0.12 | 0.16 | 0.66 | 0.36 | 788 | |
| max_d1_d | 0.14 | 0.3 | 0.04 | 0 | 887 | 1 influential outlier |
| on_e | 0.02 | 0.62 | 0.1 | 0.92 | 426 | 1 influential outlier |
| on_l | 0.04 | 0.47 | 0.01 | 0.94 | 490 | 3 influential outliers |
| on_m | 0.32 | 0.58 | 0.27 | 0.44 | 1000 | |
| ce_e | 0.33 | 0.55 | 0.02 | 0.67 | 1000 | 1 influential outlier |
| ce_l | 0.53 | 0.56 | 0.18 | 0.32 | 1000 | |
| p_e | 0.36 | 0.53 | 0.01 | 0.61 | 1000 | 1 influential outlier |
| p_l | 0.39 | 0.52 | 0.96 | 0.42 | 1000 | |
| p_grow | 0.48 | 0.58 | 0.11 | 0.27 | 1000 | |
| GDD | 0.02 | 0.42 | 0.01 | 0.93 | 212 | |

CE_E

Normal Q-Q Plot

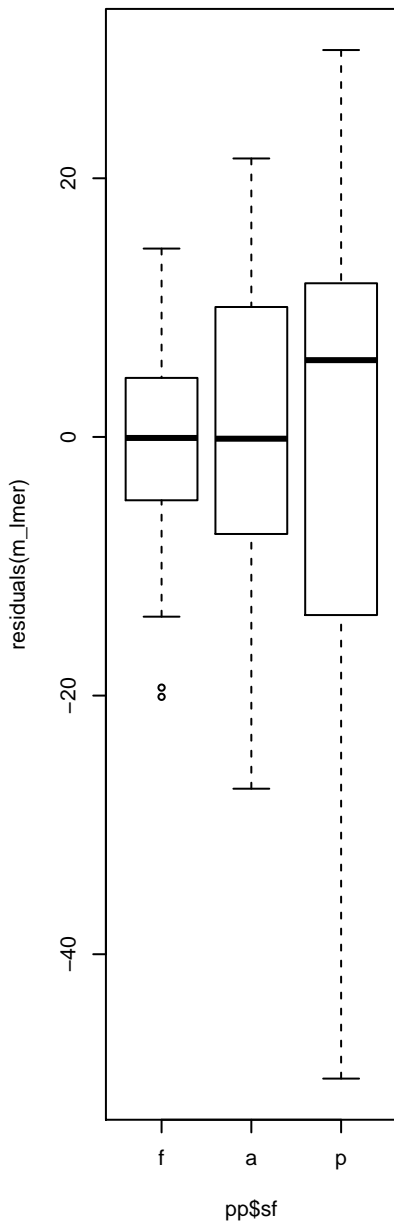
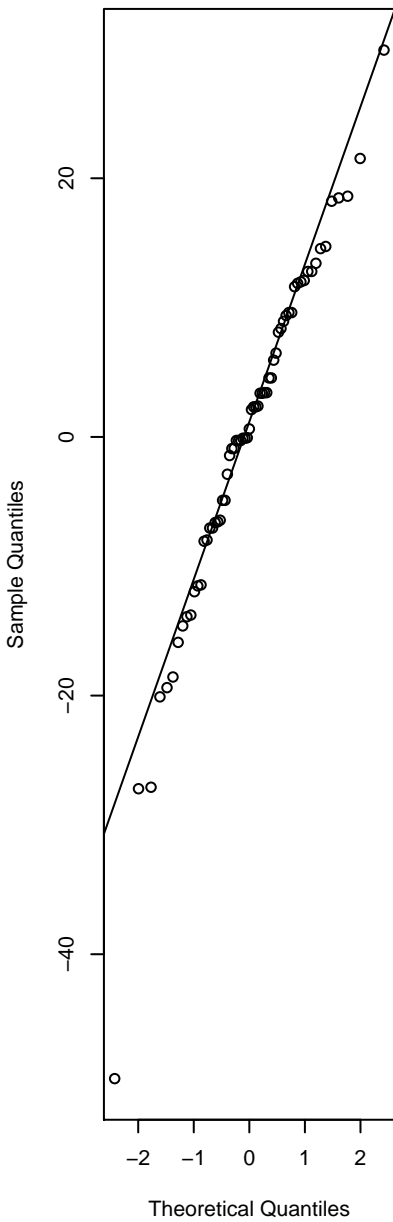


Histogram of residuals(m_lmer)

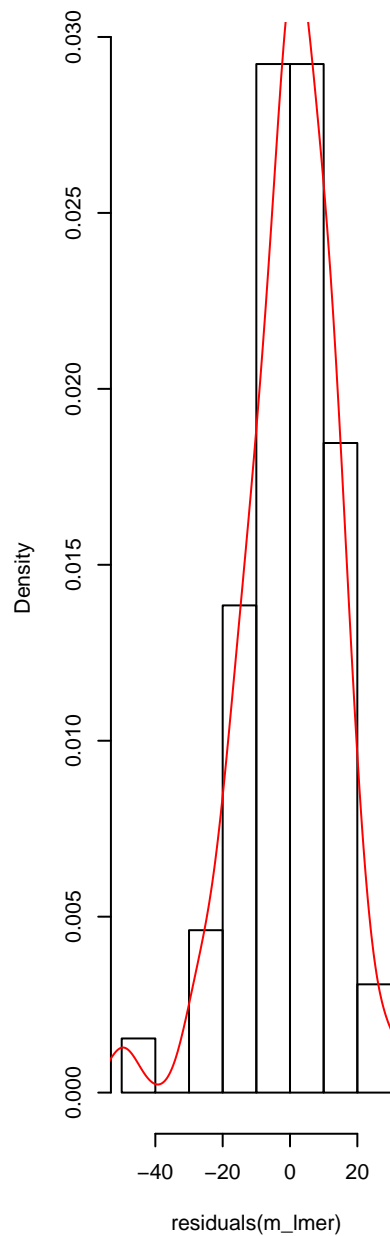


CE_L

Normal Q-Q Plot

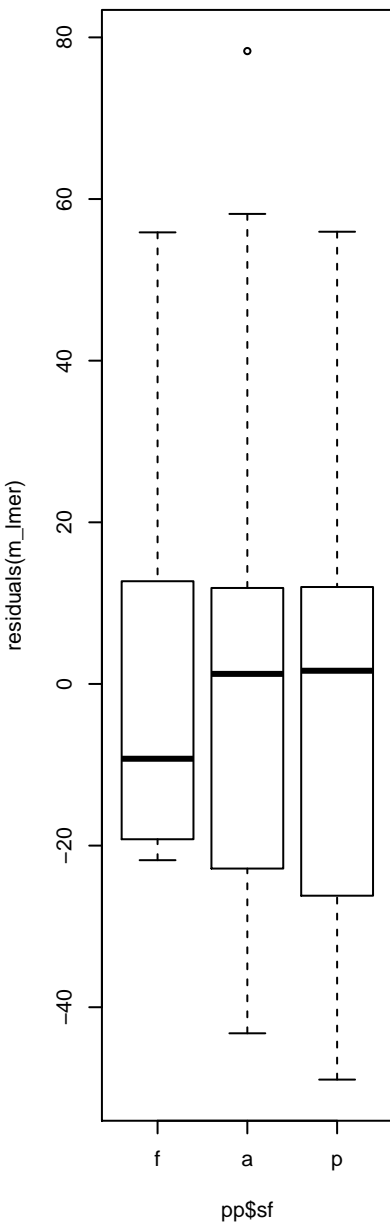
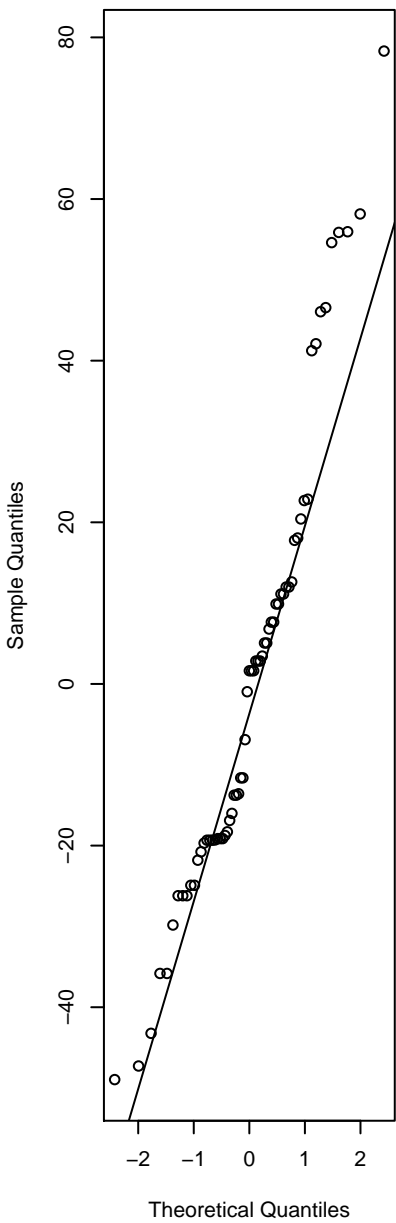


Histogram of residuals(m_lmer)

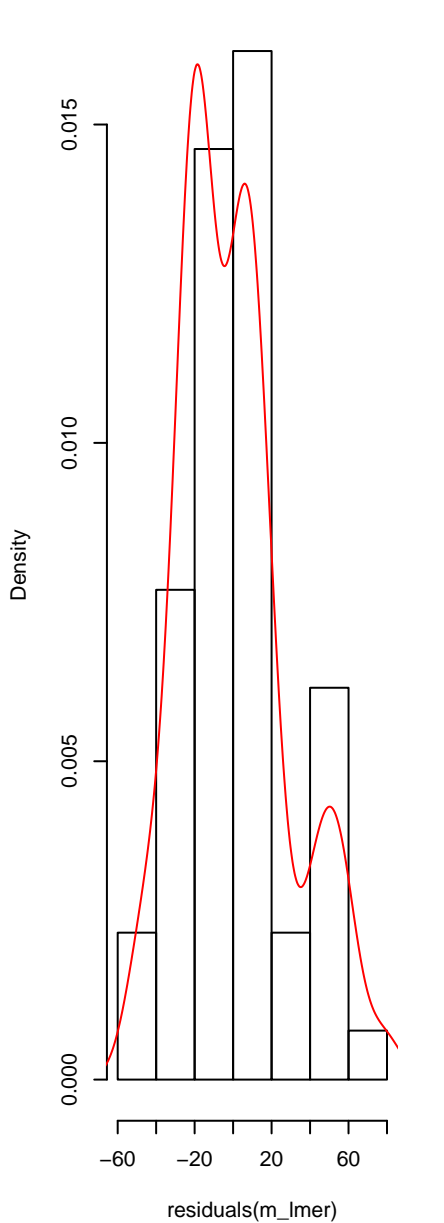


GDD

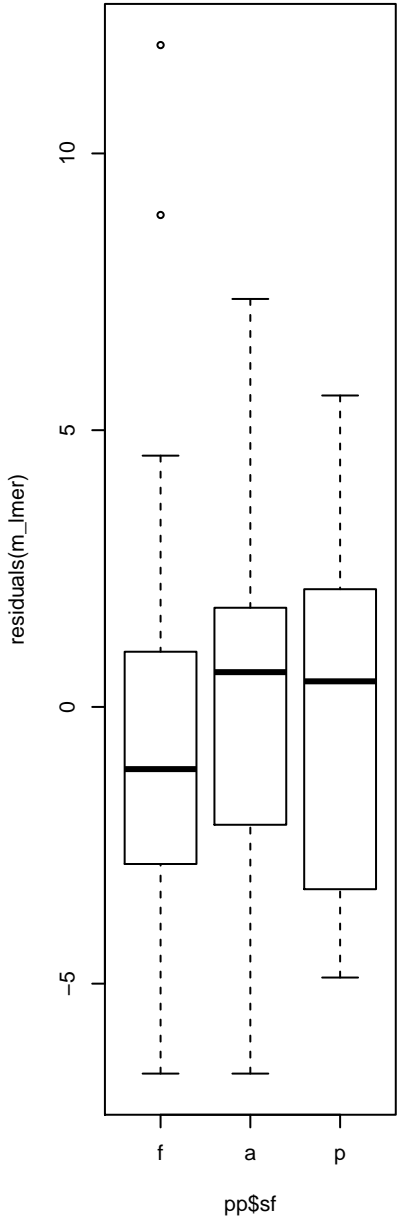
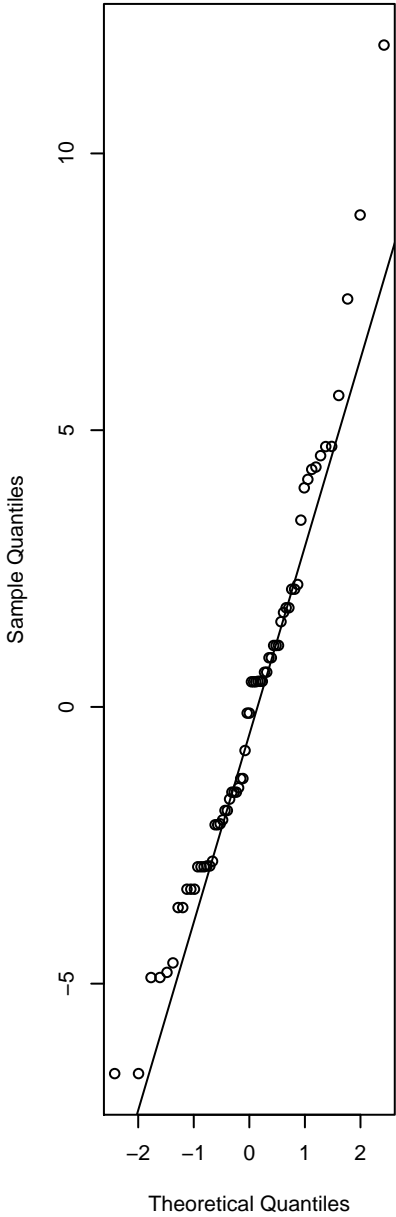
Normal Q-Q Plot



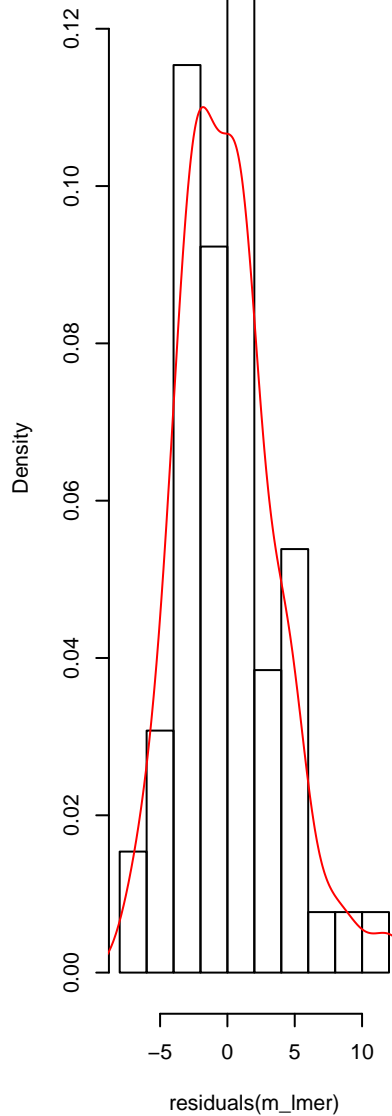
Histogram of residuals(m_lmer)



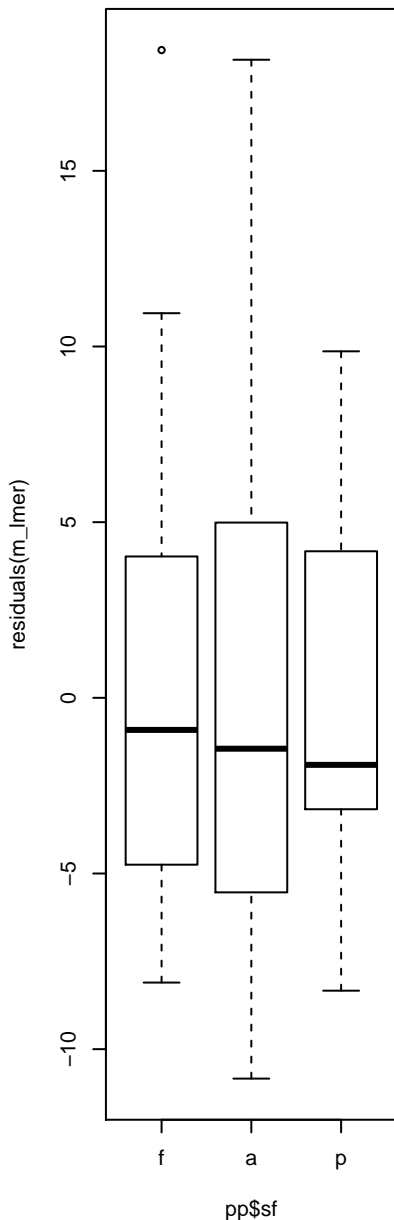
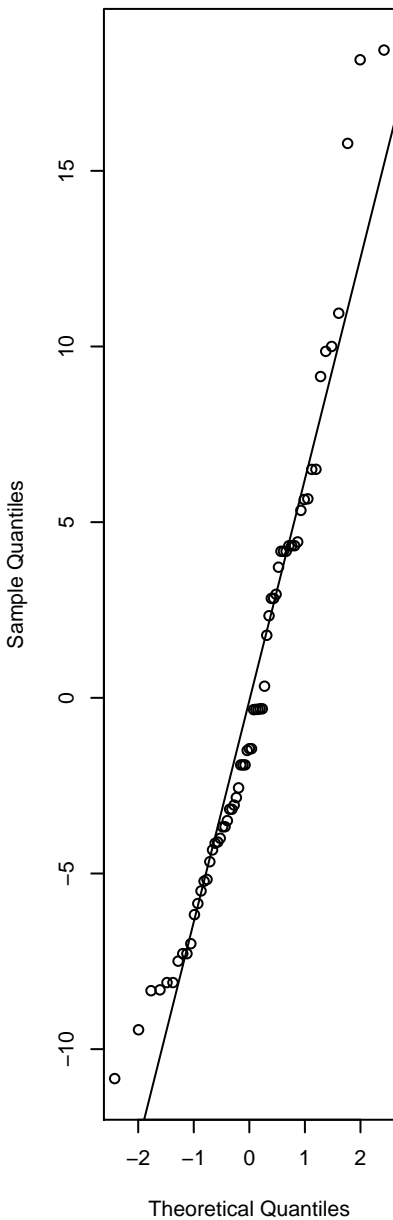
ON_E Normal Q-Q Plot



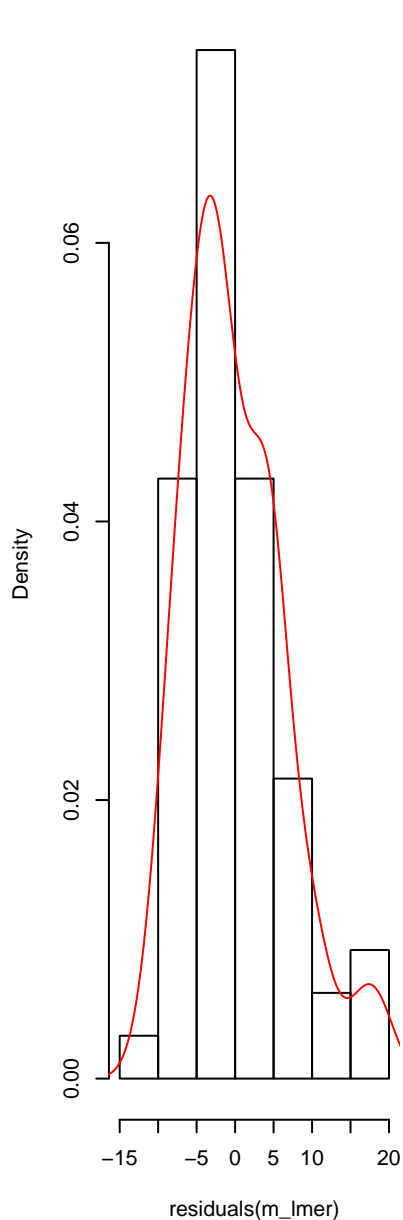
Histogram of residuals(m_lmer)



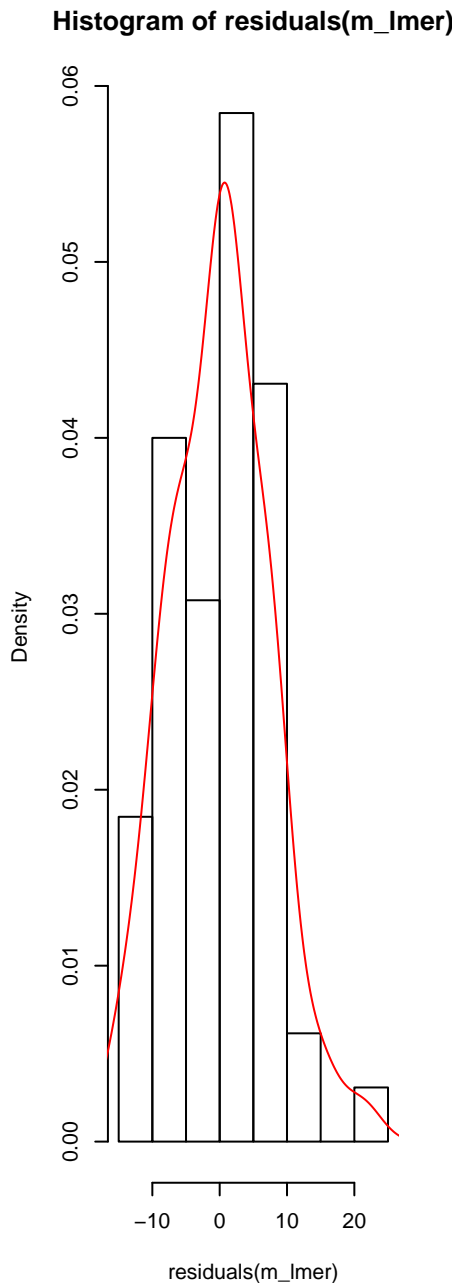
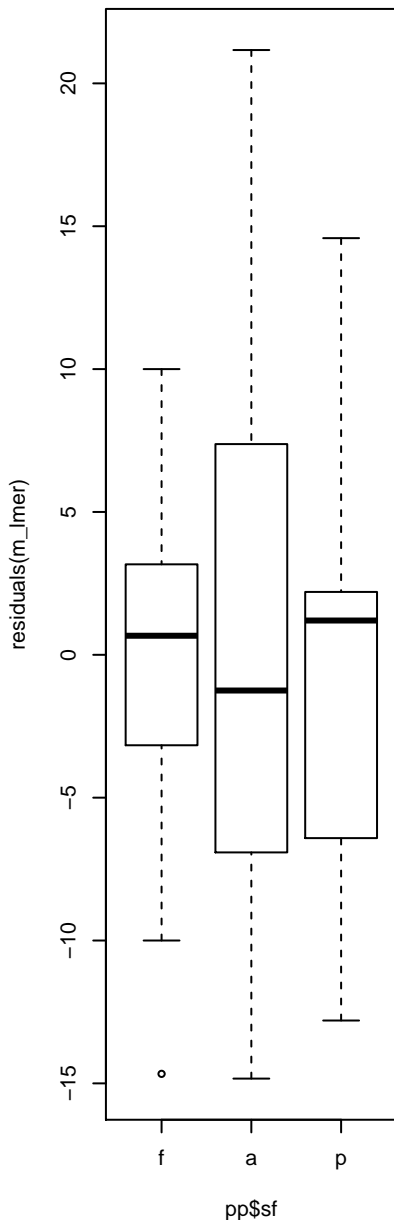
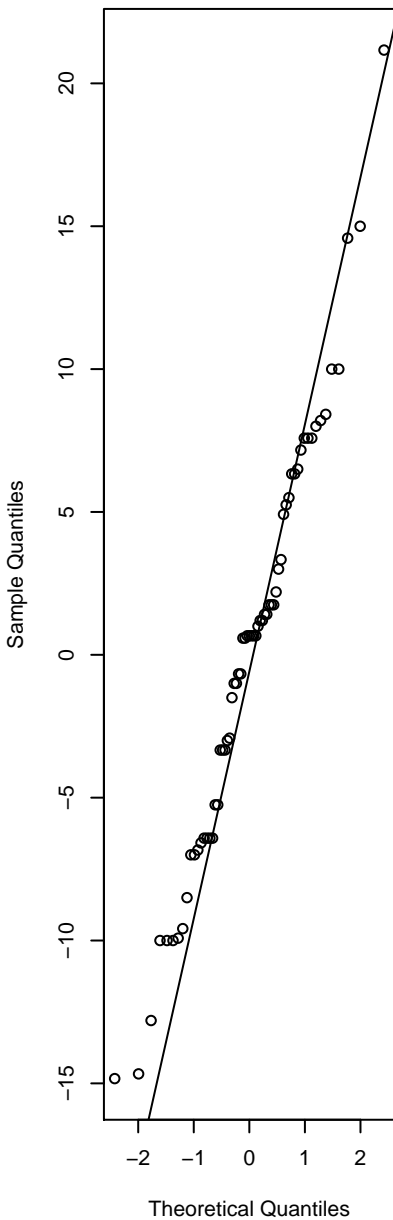
ON_L Normal Q-Q Plot



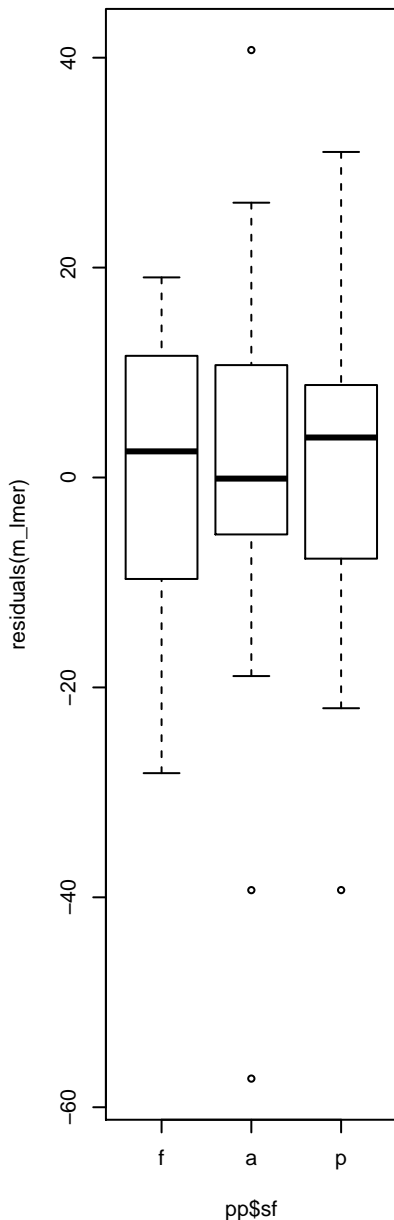
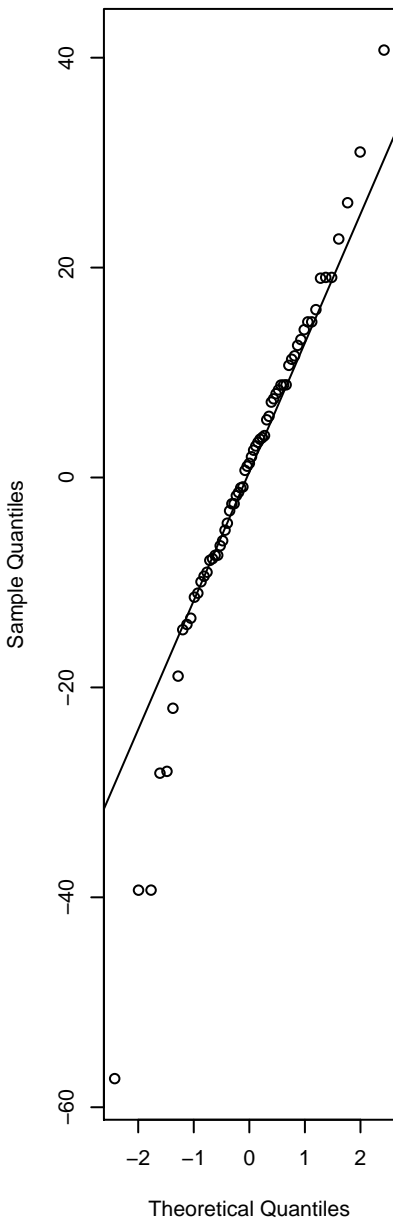
Histogram of residuals(m_lmer)



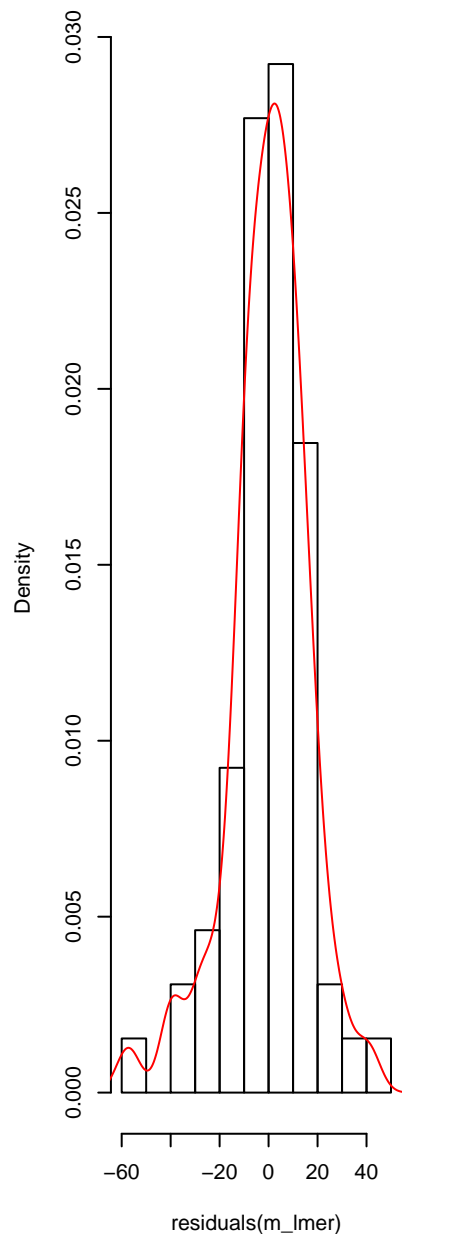
ON_M
Normal Q-Q Plot



P_E Normal Q-Q Plot

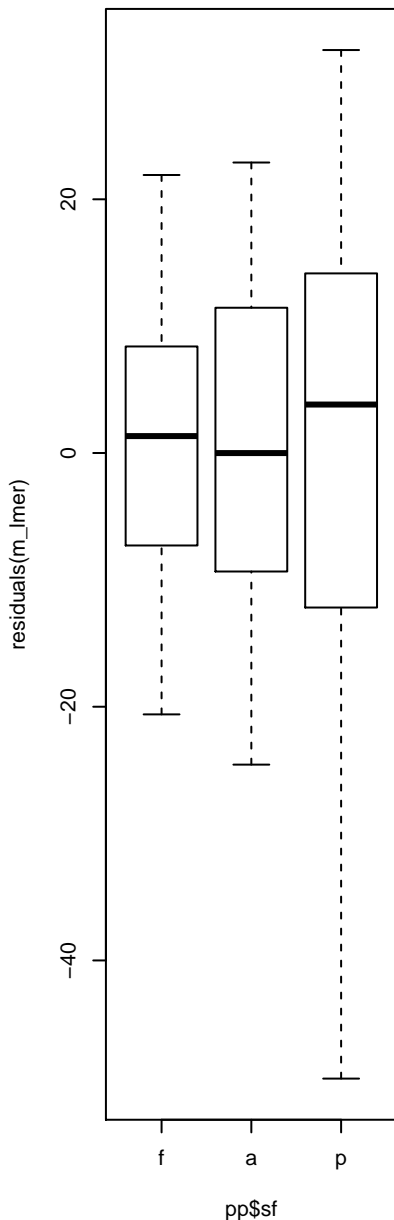
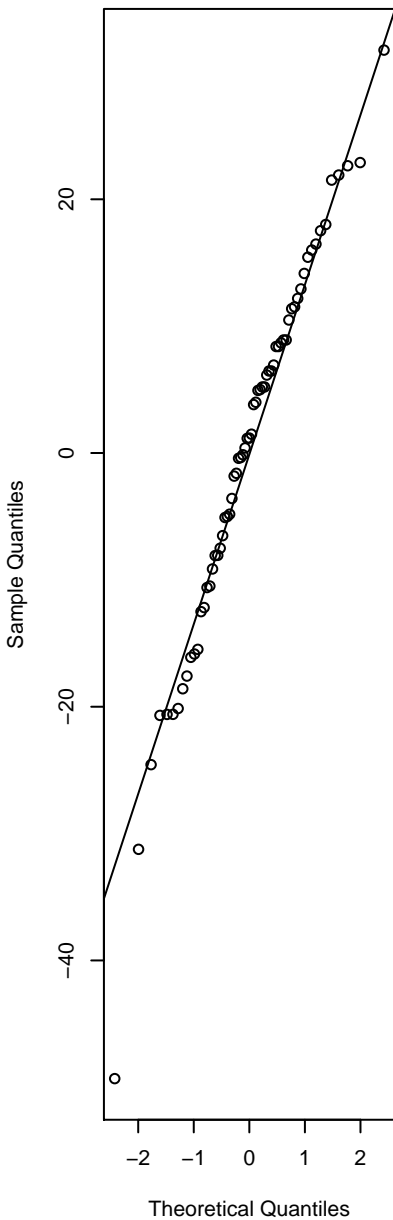


Histogram of residuals(m_lmer)

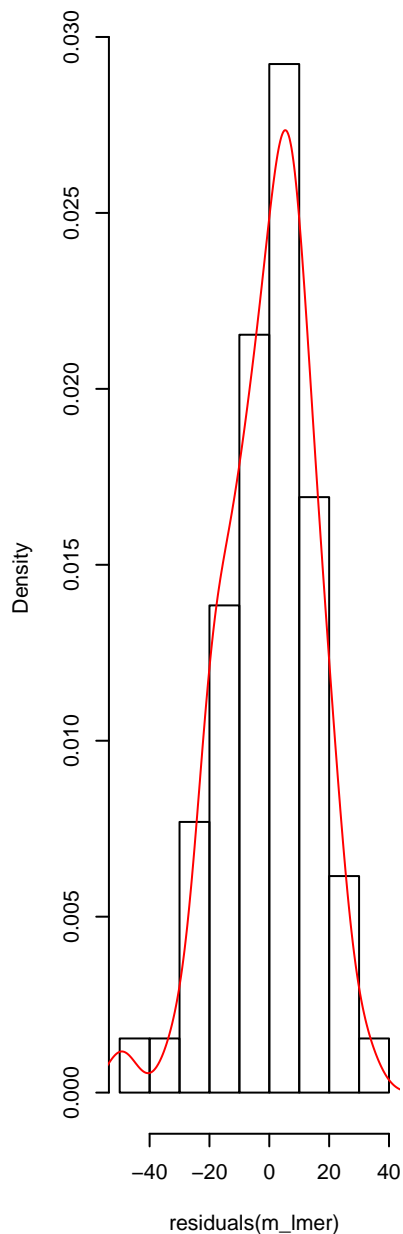


P_GROW

Normal Q-Q Plot

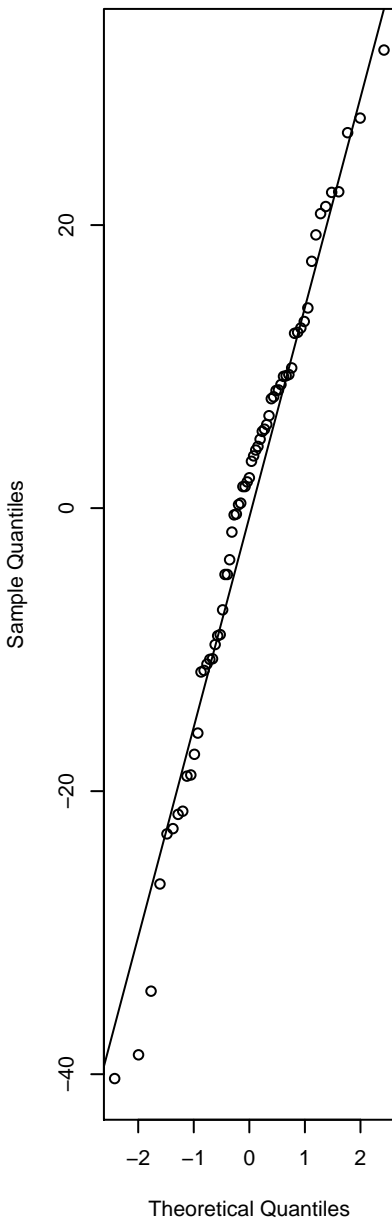


Histogram of residuals(m_lmer)

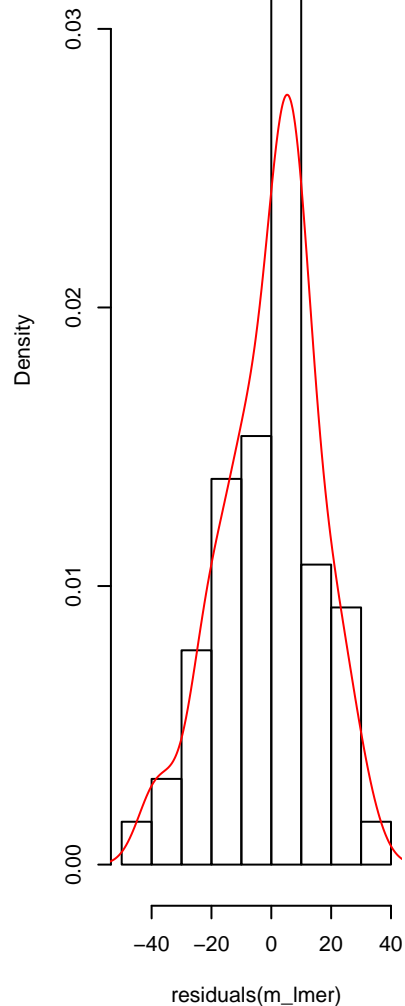
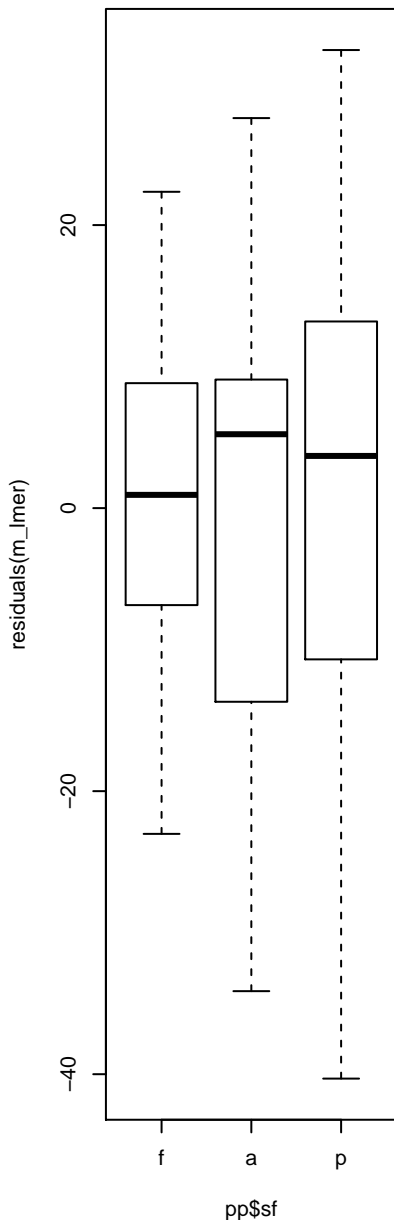


P_L

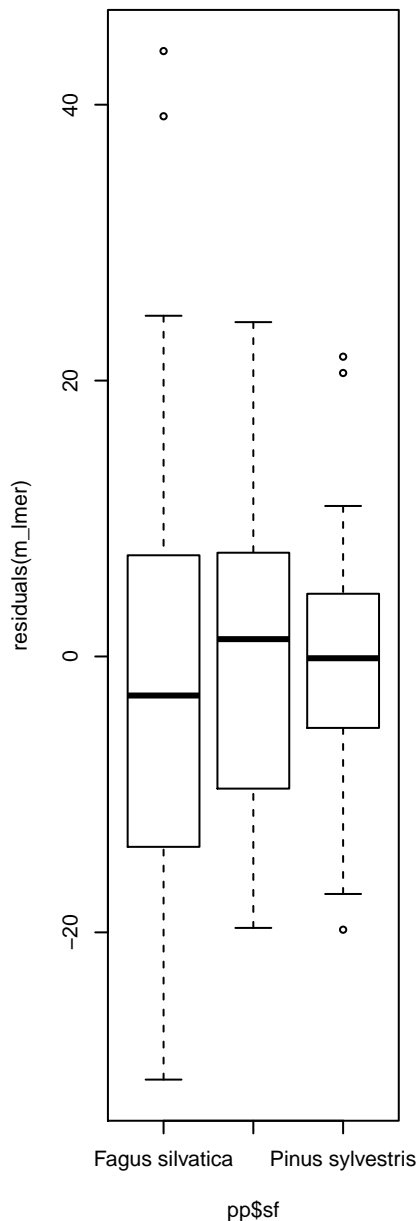
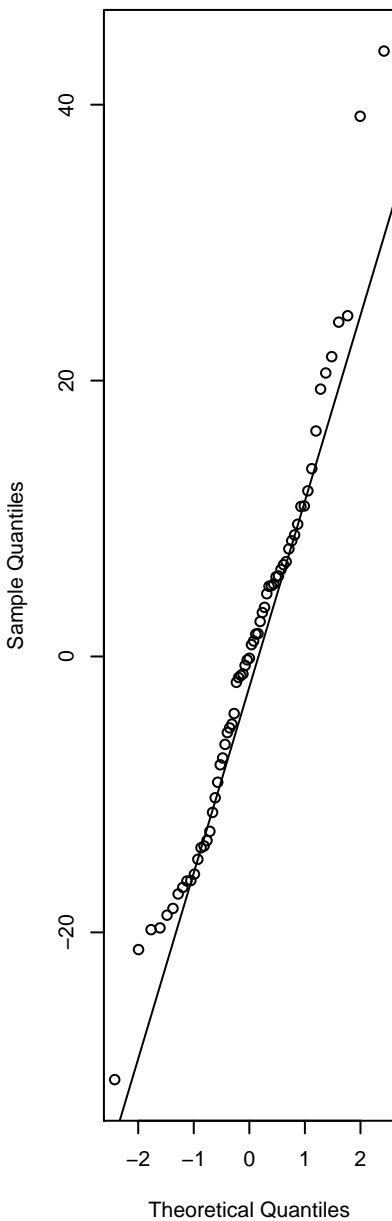
Normal Q-Q Plot



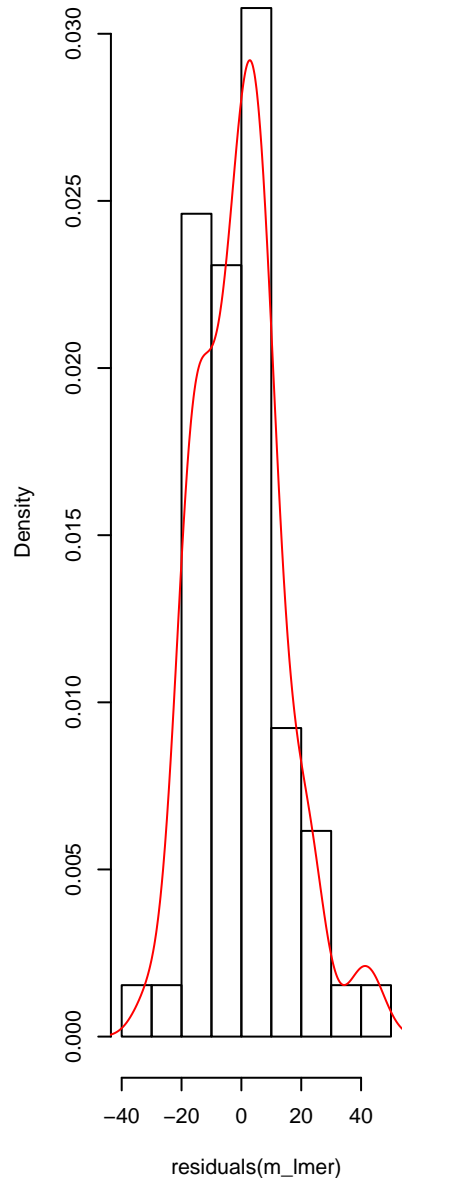
Histogram of residuals(m_lmer)



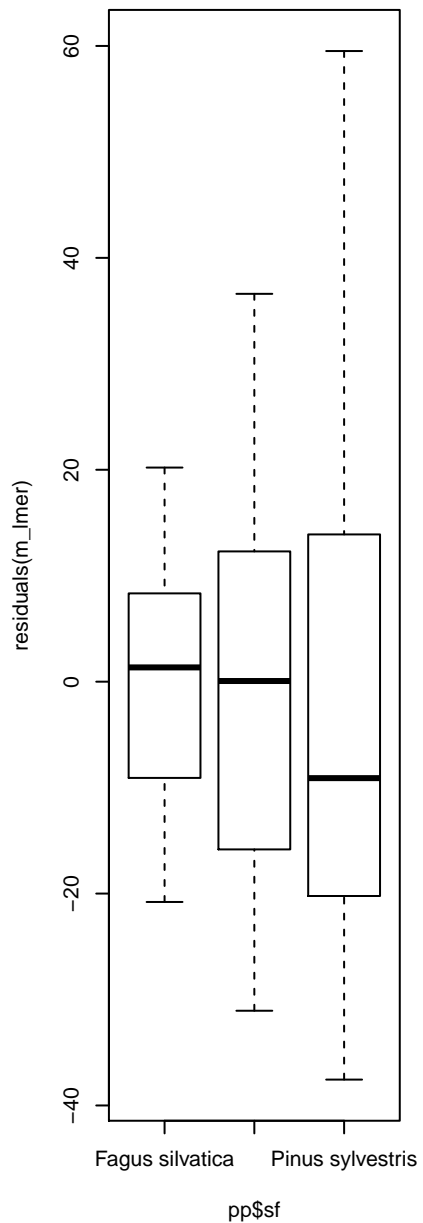
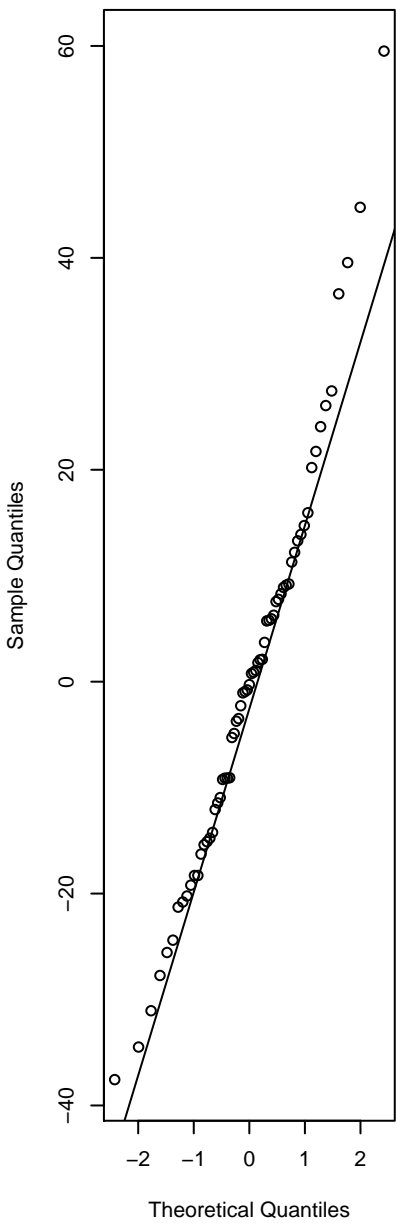
MAX_D1 Normal Q-Q Plot



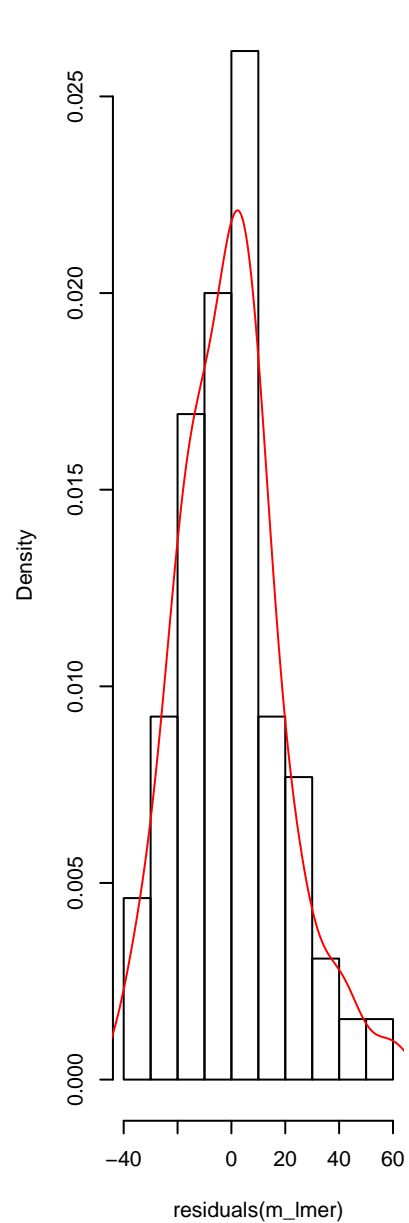
Histogram of residuals(m_lmer)



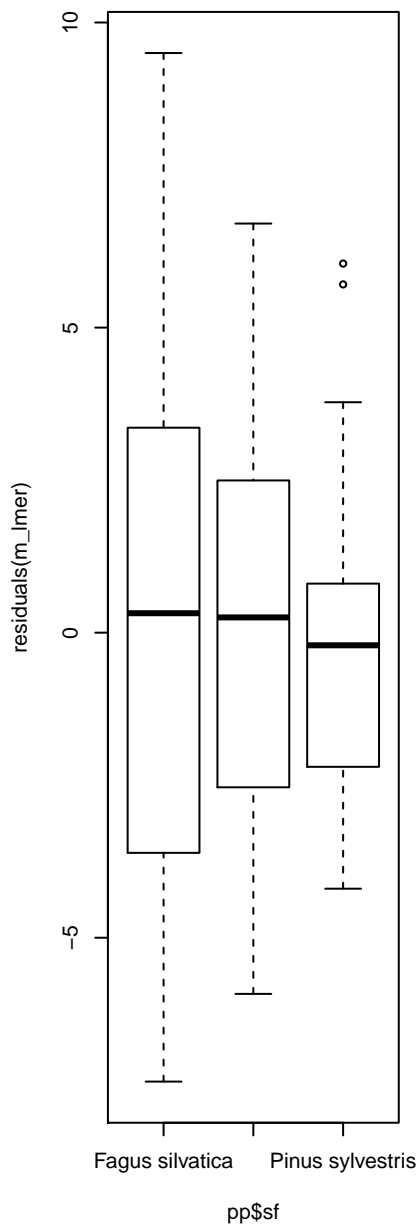
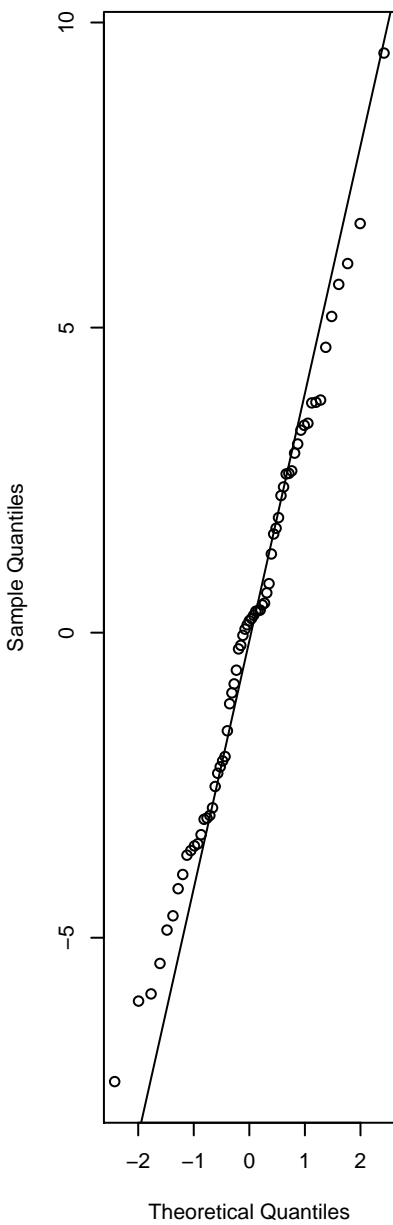
MAX_D1_D
Normal Q-Q Plot



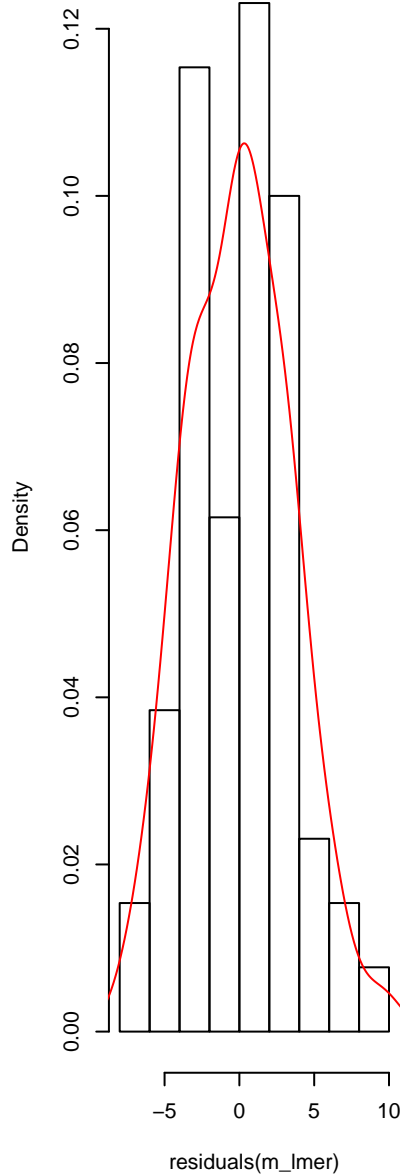
Histogram of residuals(m_lmer)



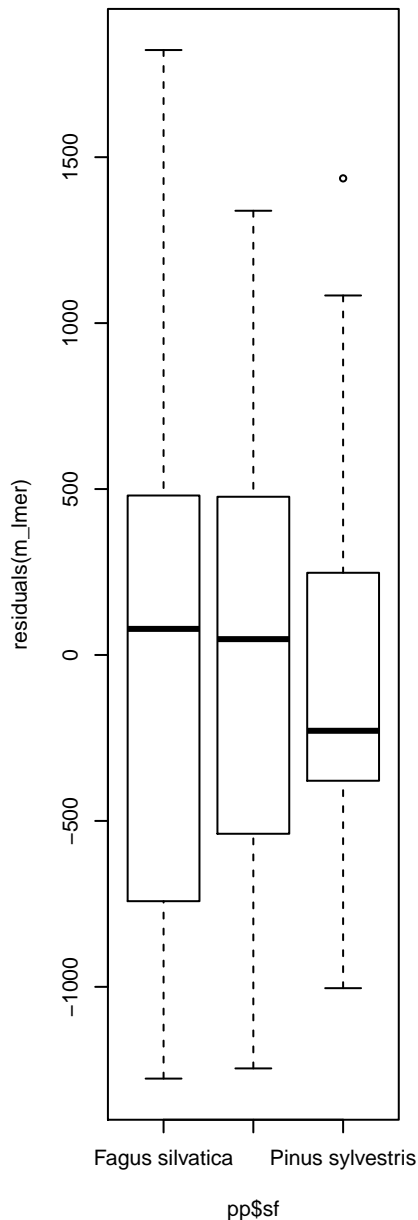
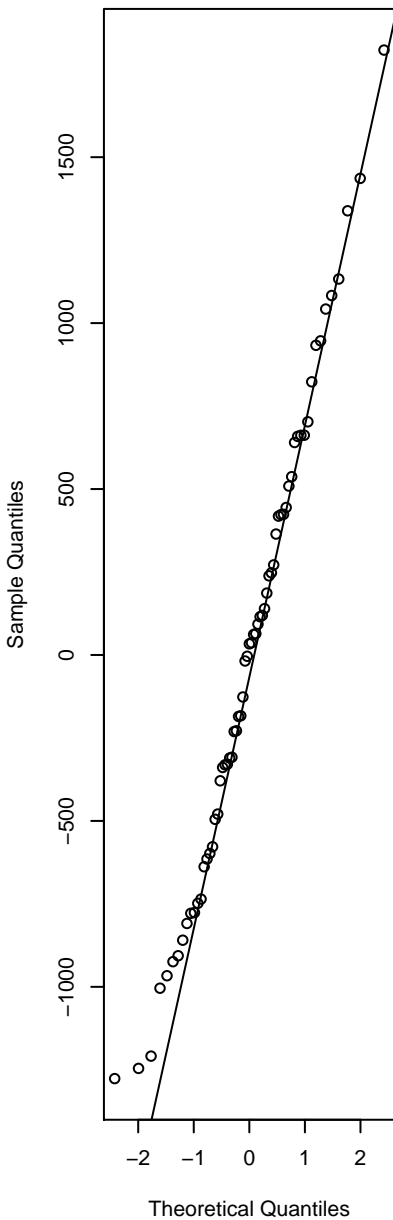
MEAN_D1
Normal Q-Q Plot



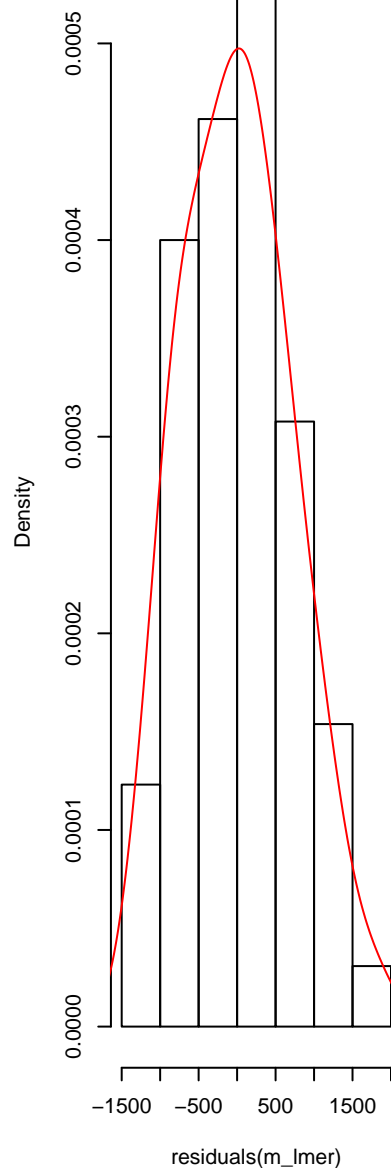
Histogram of residuals(m_lmer)



XYLEM Normal Q-Q Plot



Histogram of residuals(m_lmer)

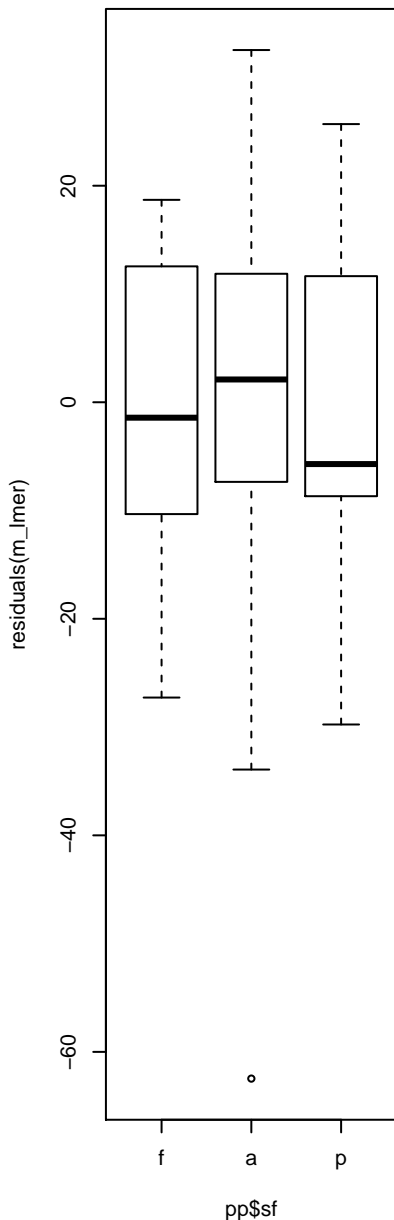
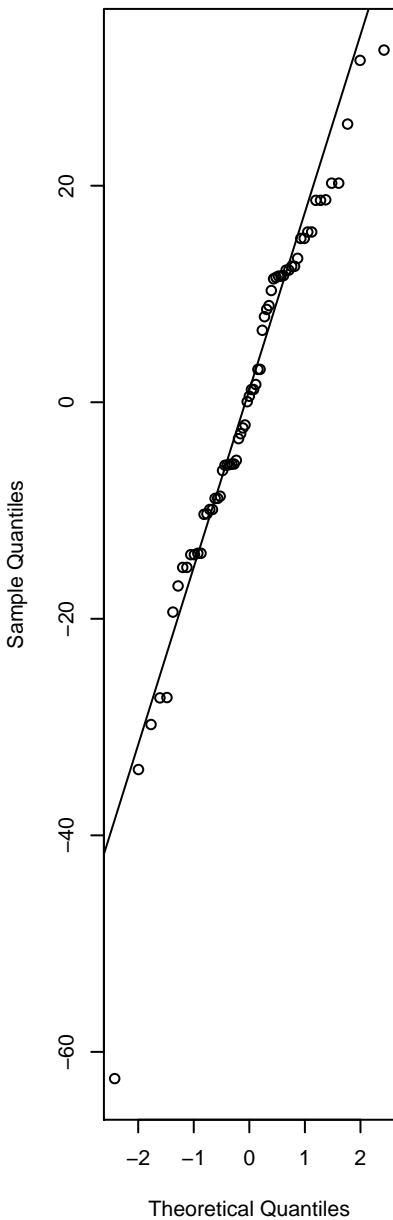


Model 2: equation 3

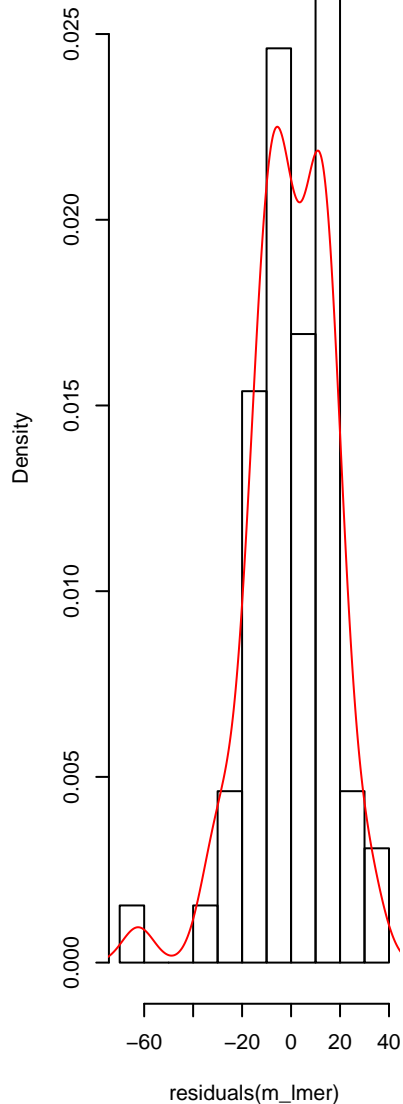
| response | r2m | r2c | shapiro | levene | power |
|----------|------|------|---------|--------|-------|
| mean_d1 | 0.47 | 0.52 | 0.86 | 0.14 | 0.93 |
| max_d1 | 0.28 | 0.51 | 0.09 | 0.19 | 0.97 |
| xylem | 0.28 | 0.34 | 0.59 | 0.61 | 0.83 |
| max_d1_d | 0.38 | 0.38 | 0.21 | 0.01 | 0.67 |
| on_e | 0.55 | 0.65 | 0.03 | 0.78 | 0.8 |
| on_l | 0.52 | 0.56 | 0.01 | 0.86 | 0.77 |
| on_m | 0.66 | 0.66 | 0.46 | 0.22 | 0.9 |
| ce_e | 0.47 | 0.58 | 0.02 | 0.64 | 0.5 |
| ce_l | 0.62 | 0.65 | 0.04 | 0.32 | 0.87 |
| p_e | 0.48 | 0.58 | 0.02 | 0.6 | 0.4 |
| p_l | 0.59 | 0.64 | 0.26 | 0.41 | 0.9 |
| p_grow | 0.63 | 0.66 | 0.26 | 0.35 | 0.9 |
| GDD | 0.33 | 0.54 | 0 | 0.95 | 0.73 |

CE_E

Normal Q-Q Plot

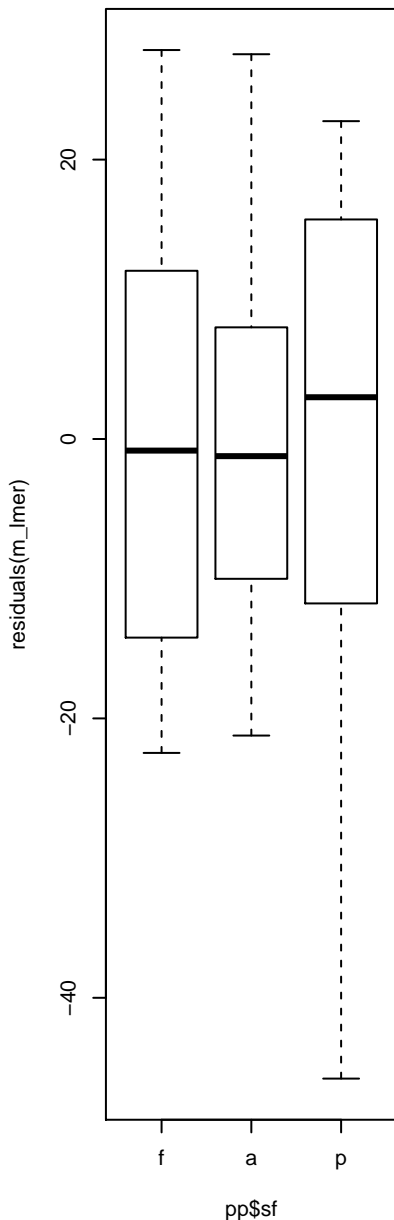
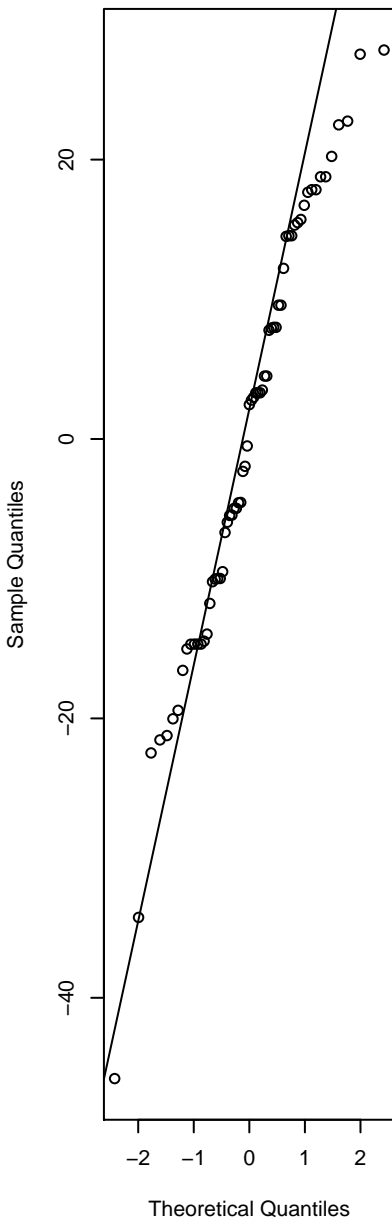


Histogram of residuals(m_lmer)

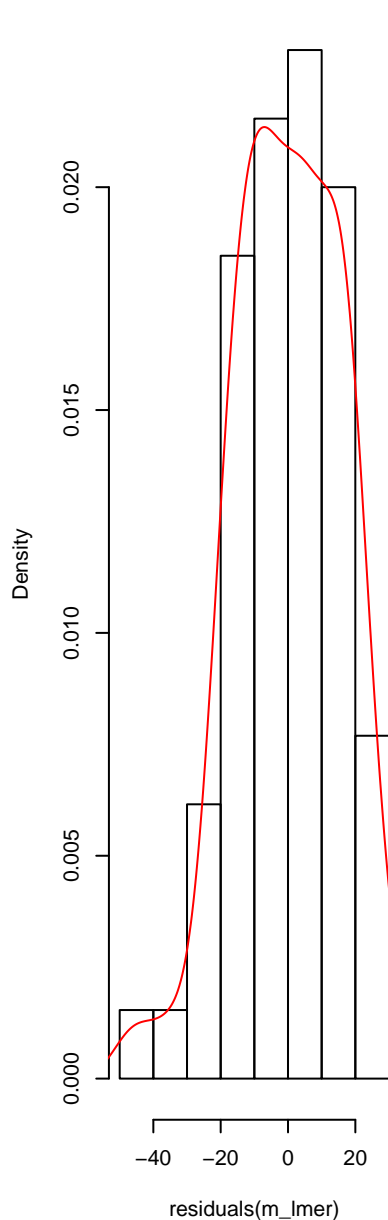


CE_L

Normal Q-Q Plot

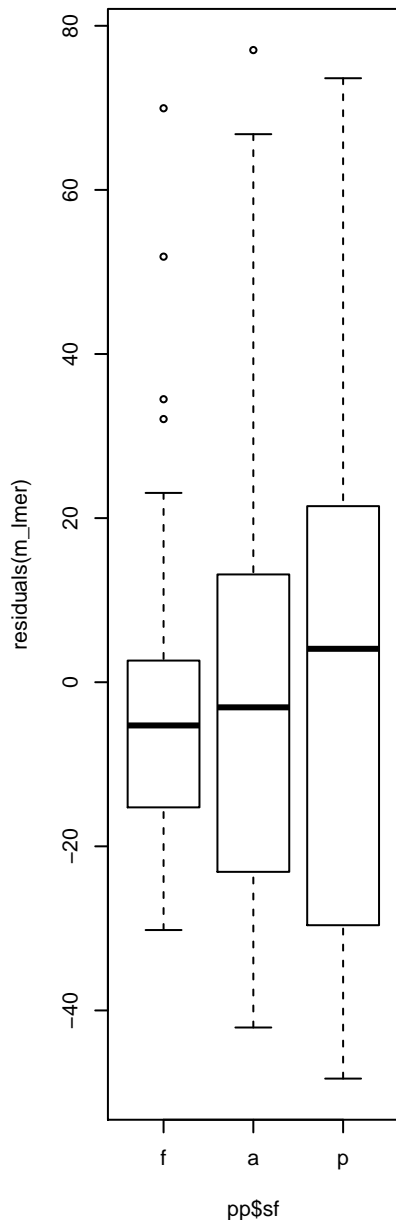
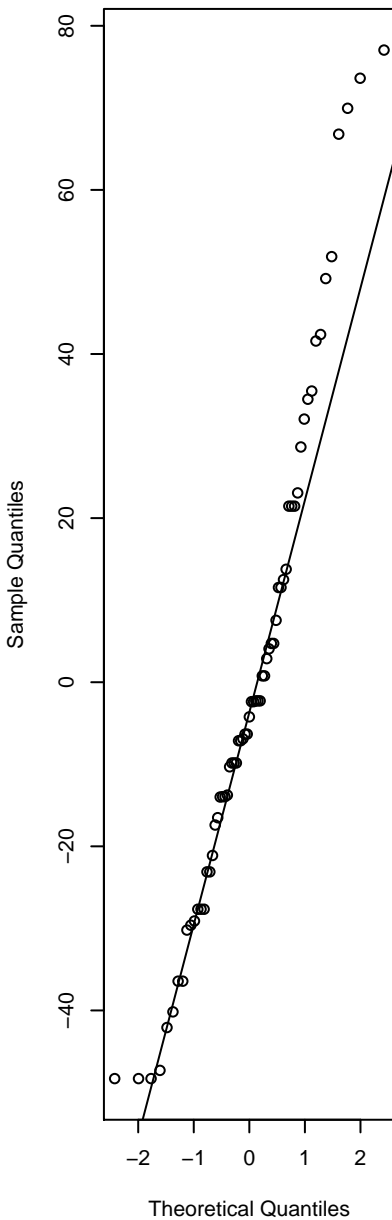


Histogram of residuals(m_lmer)

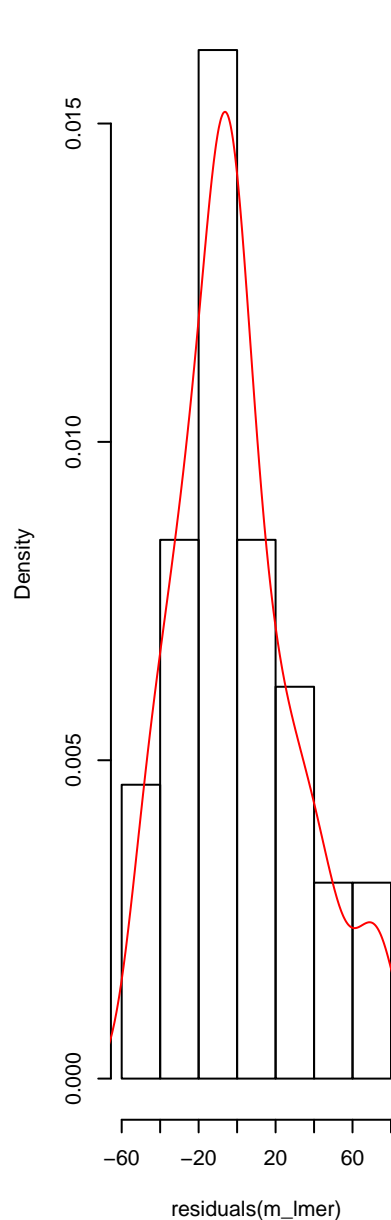


GDD

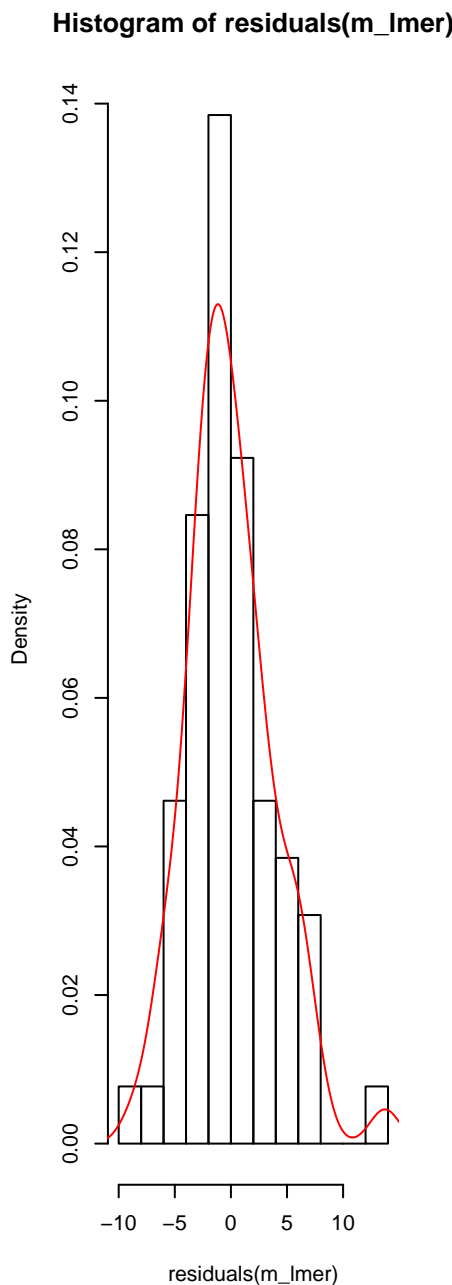
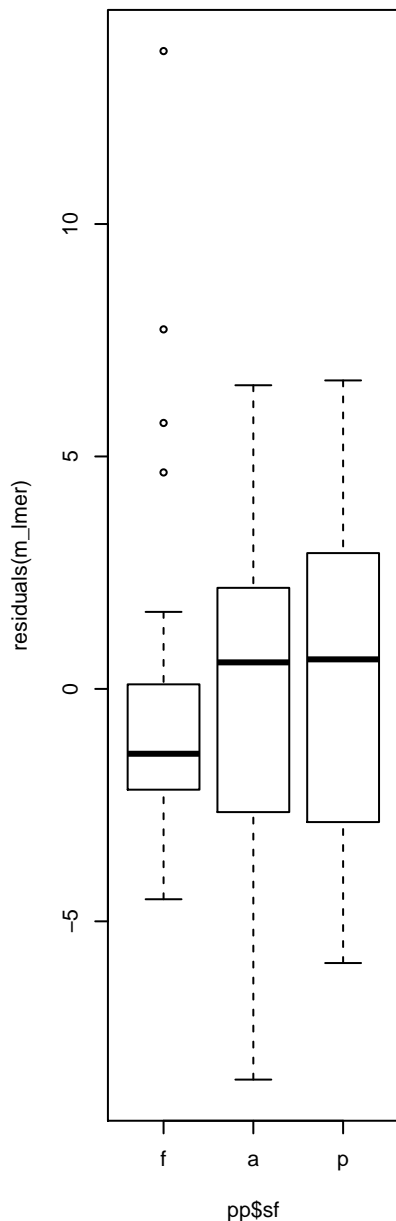
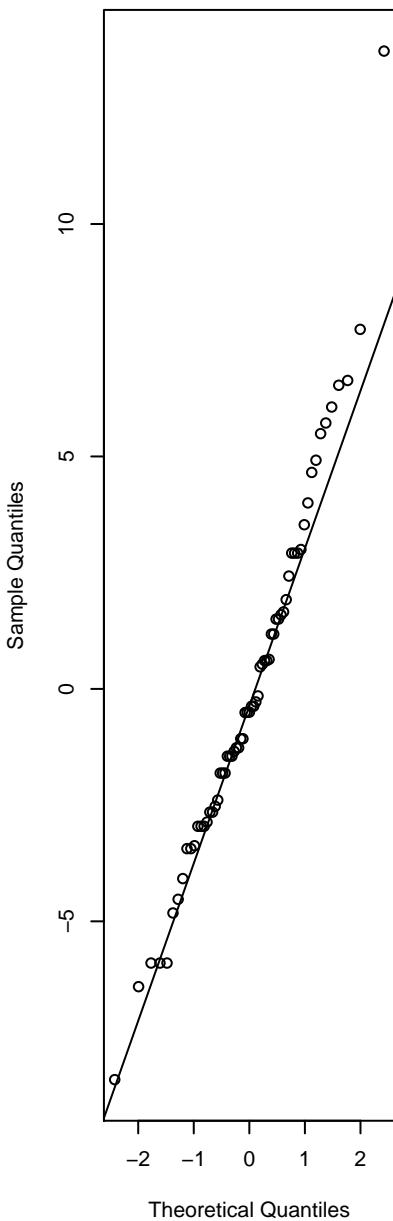
Normal Q-Q Plot



Histogram of residuals(m_lmer)

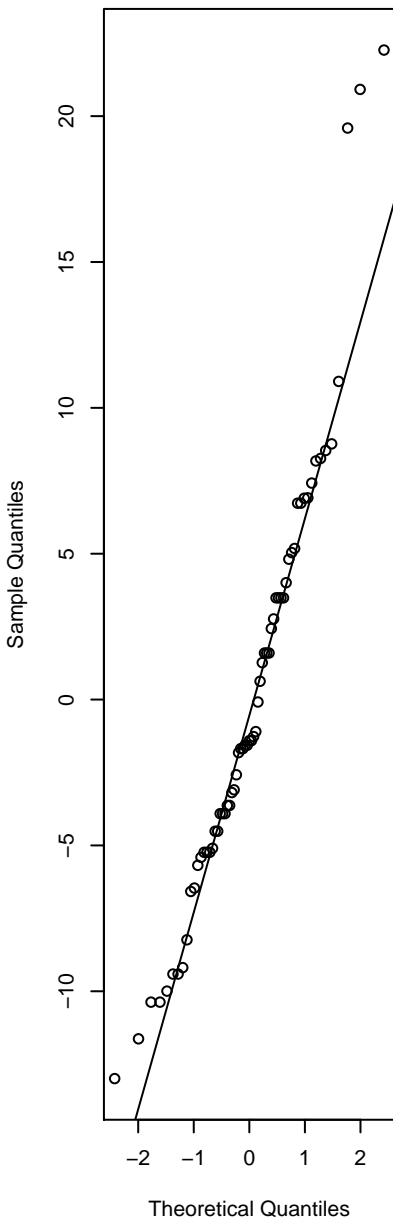


ON_E
Normal Q-Q Plot

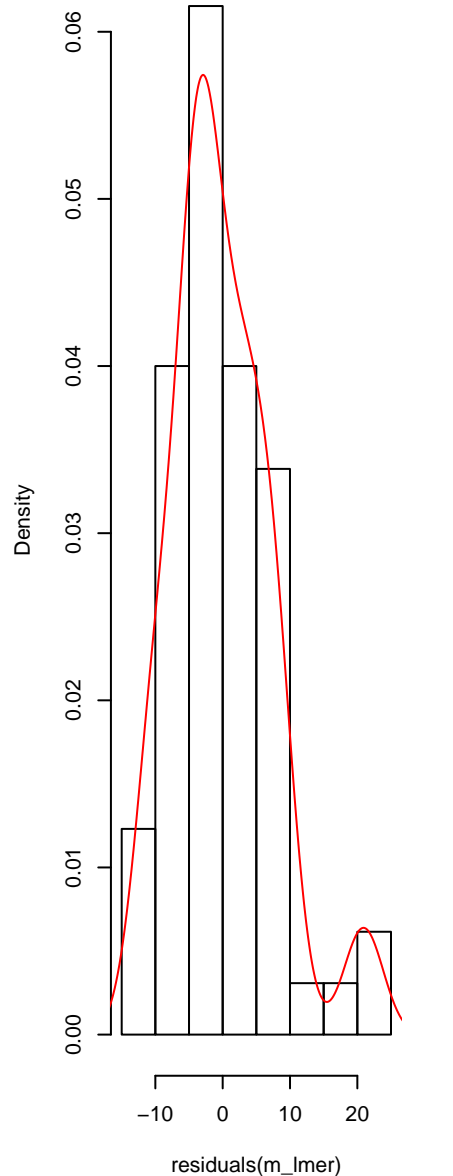
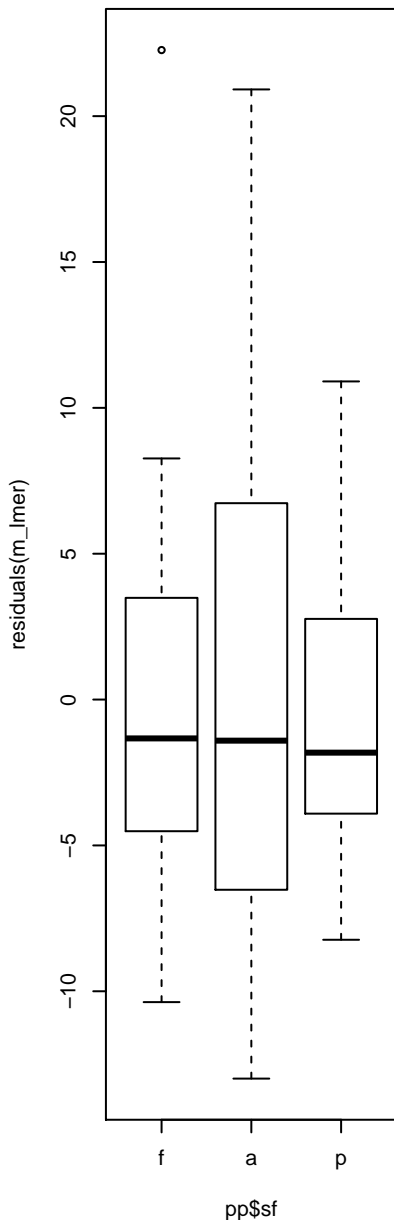


ON_L

Normal Q-Q Plot

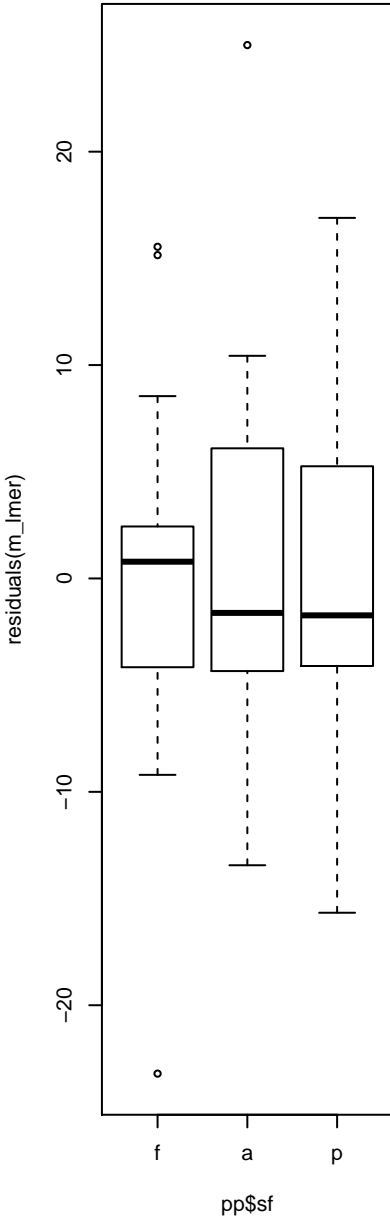
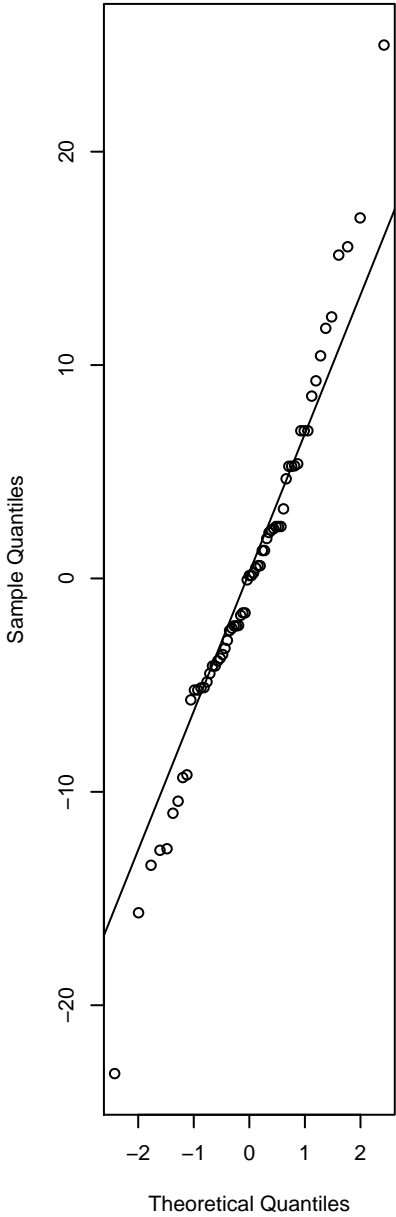


Histogram of residuals(m_lmer)

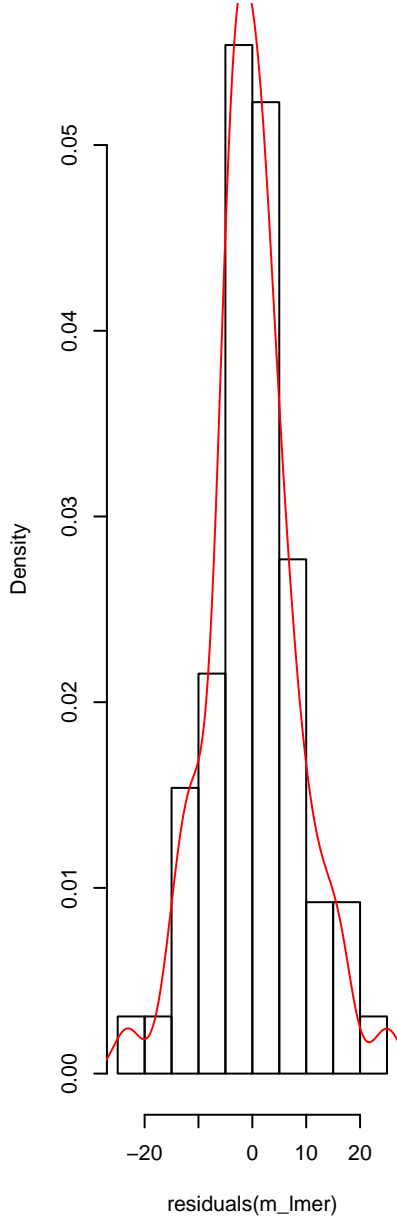


ON_M

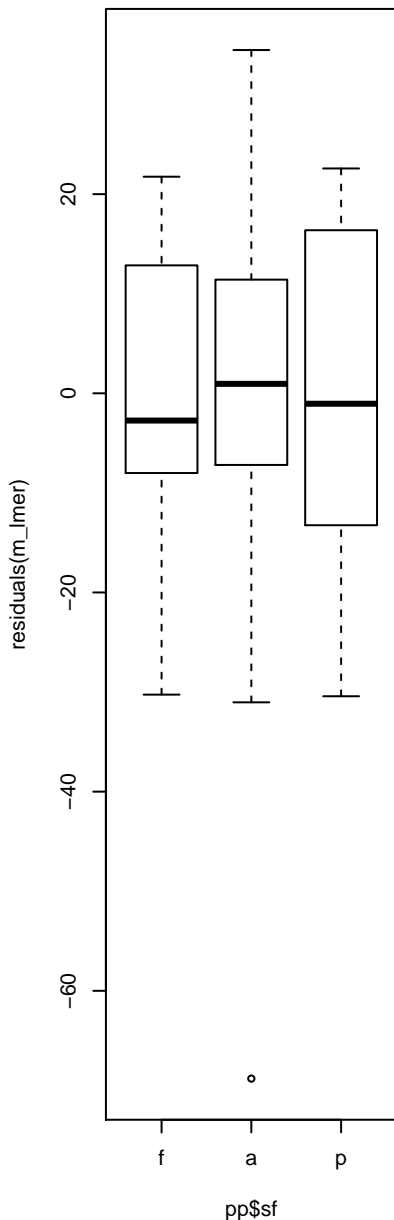
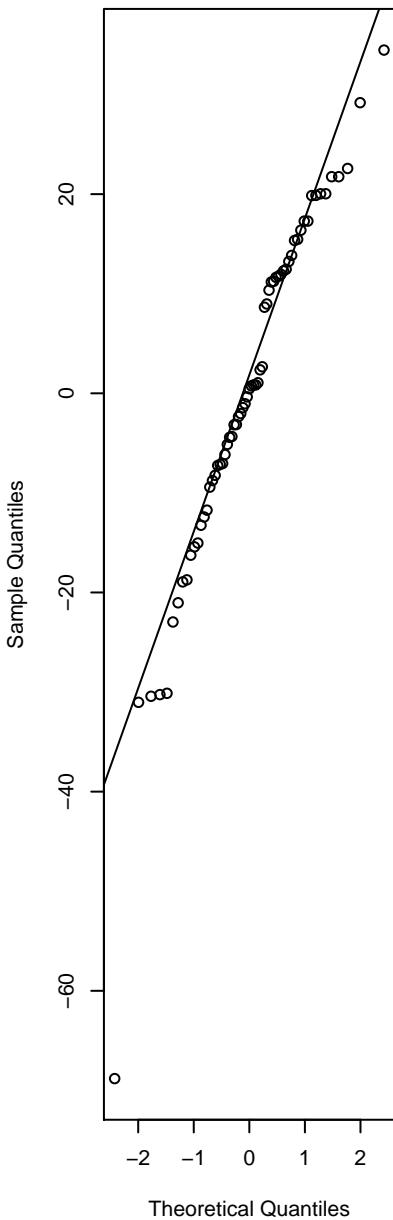
Normal Q-Q Plot



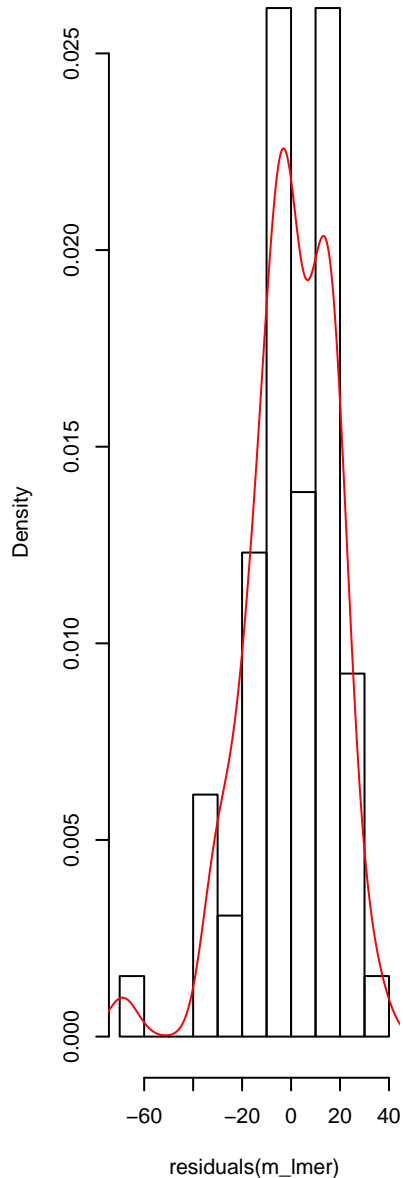
Histogram of residuals(m_lmer)



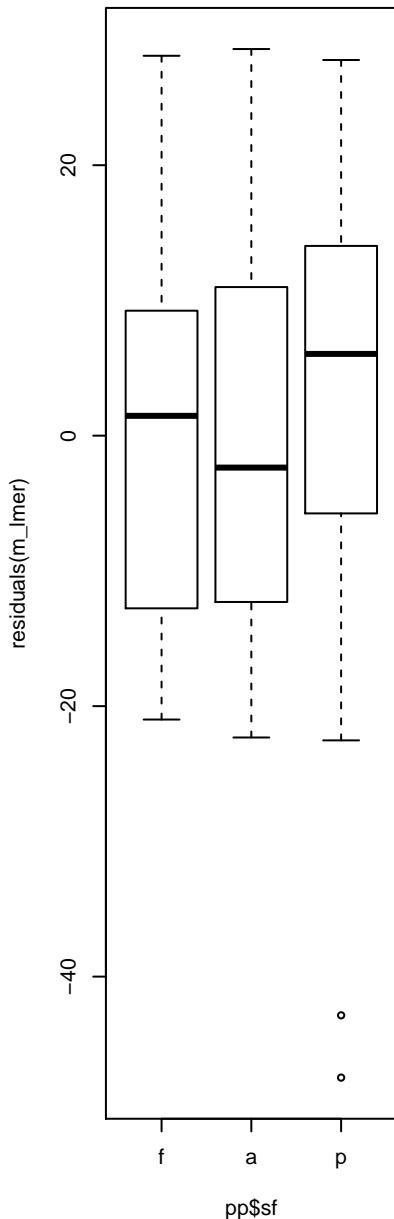
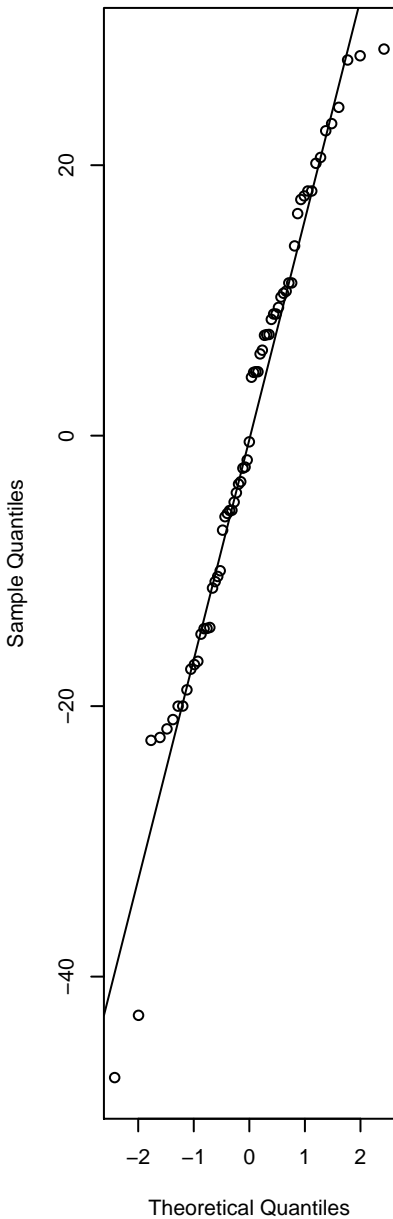
P_E **Normal Q-Q Plot**



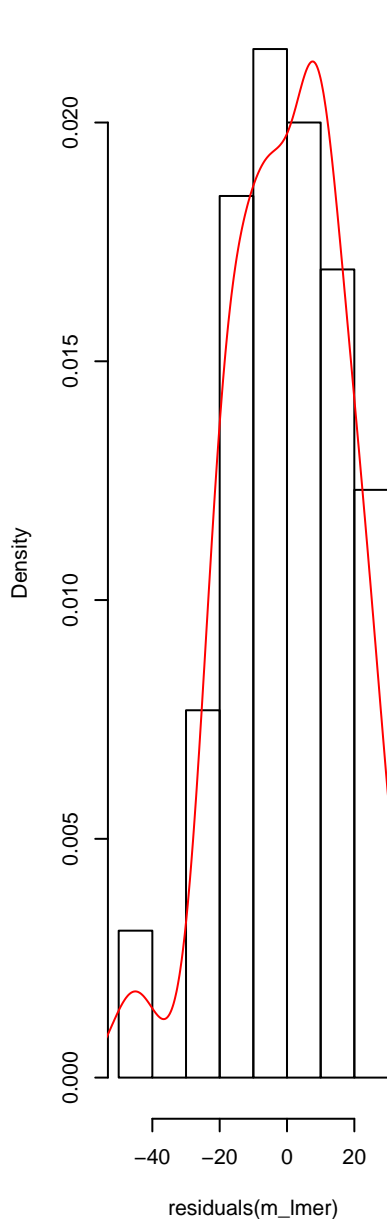
Histogram of residuals(m_lmer)



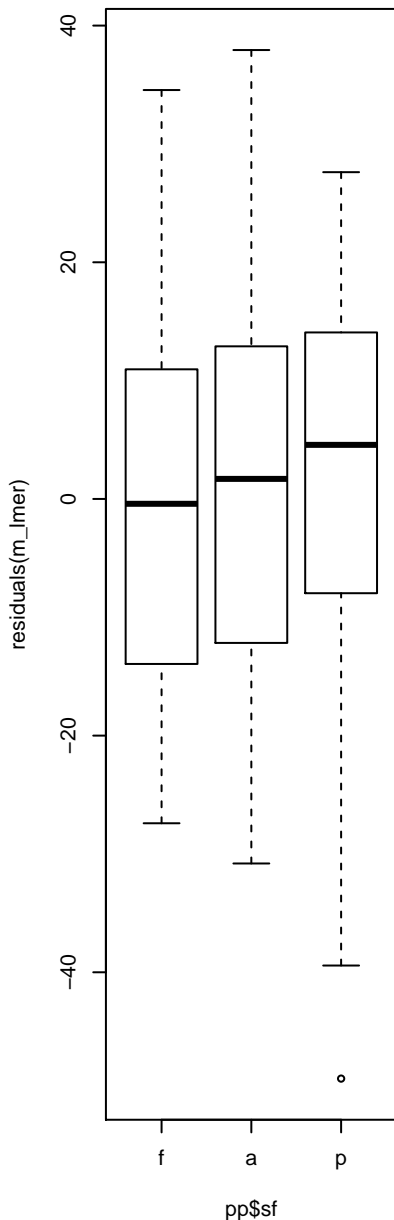
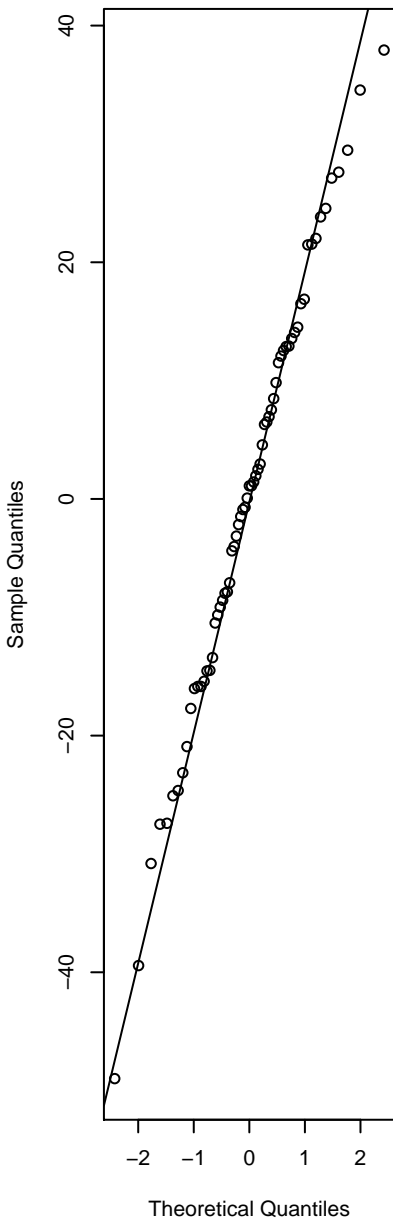
P_GROW Normal Q-Q Plot



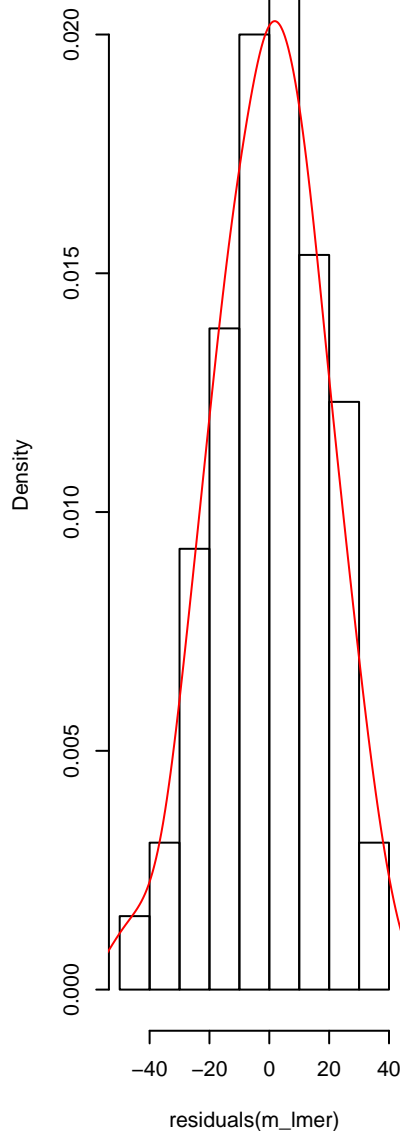
Histogram of residuals(m_lmer)



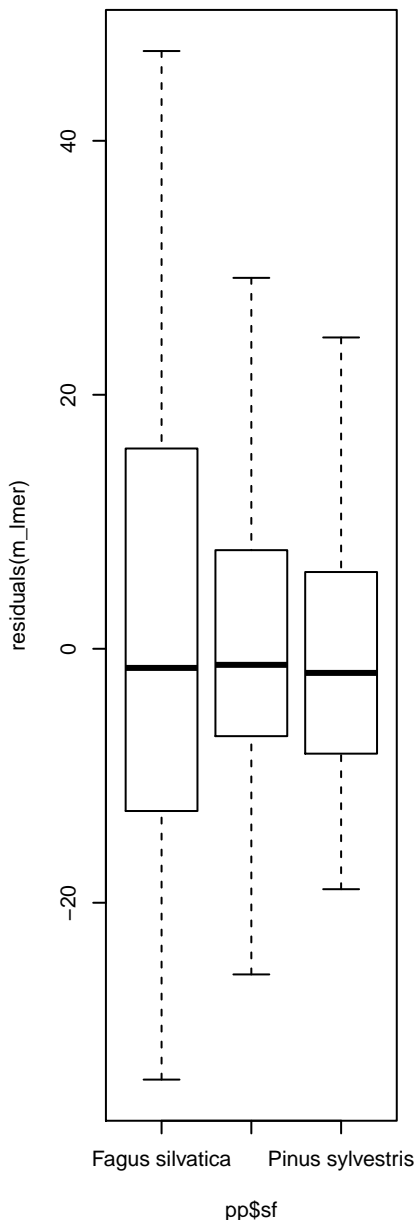
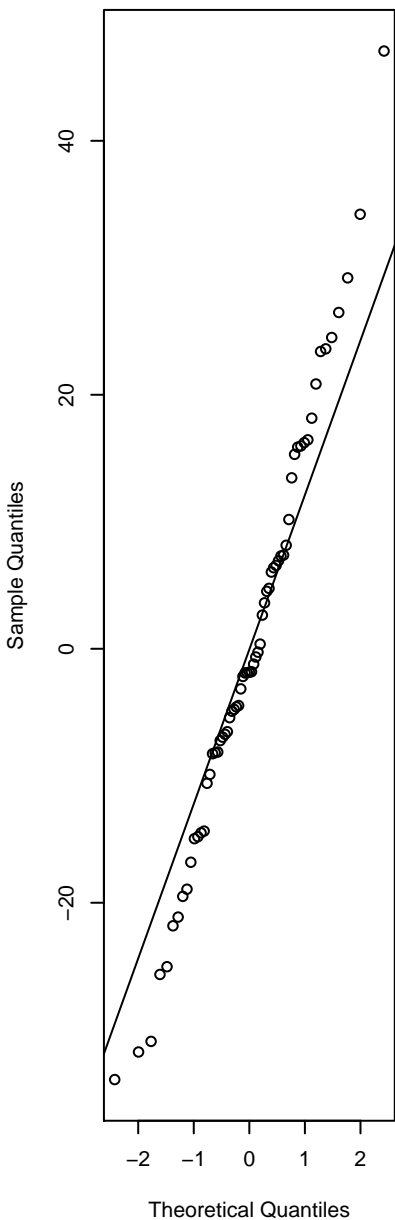
P_L **Normal Q-Q Plot**



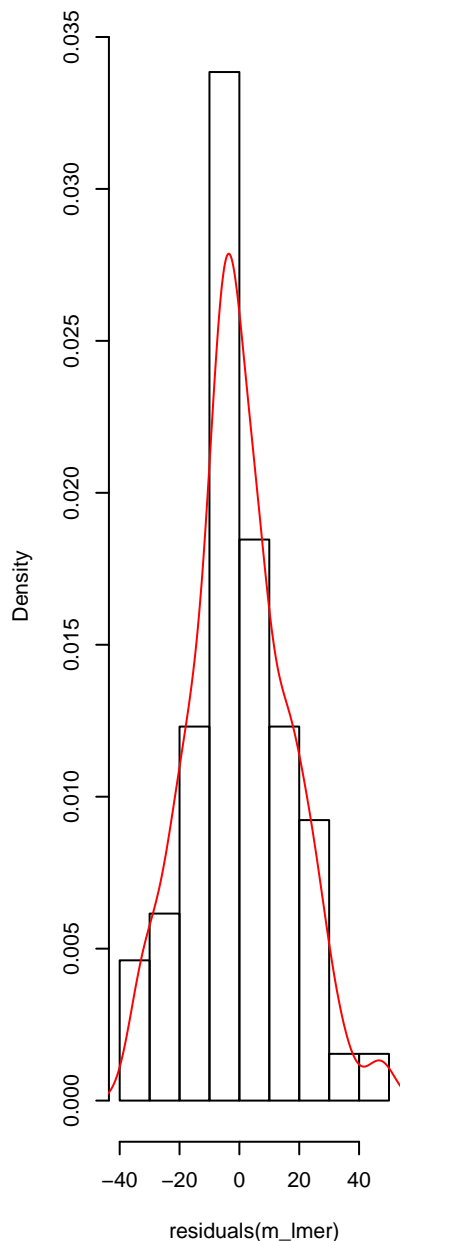
Histogram of residuals(m_lmer)



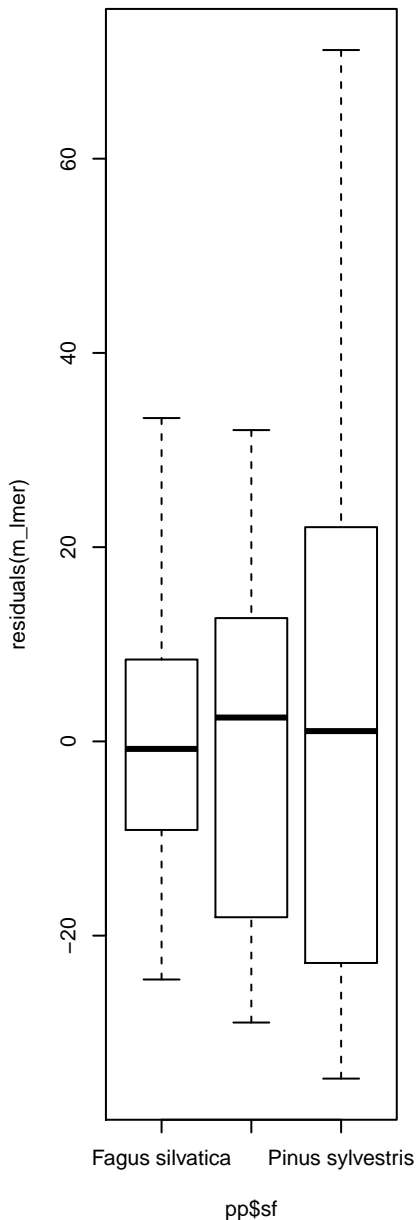
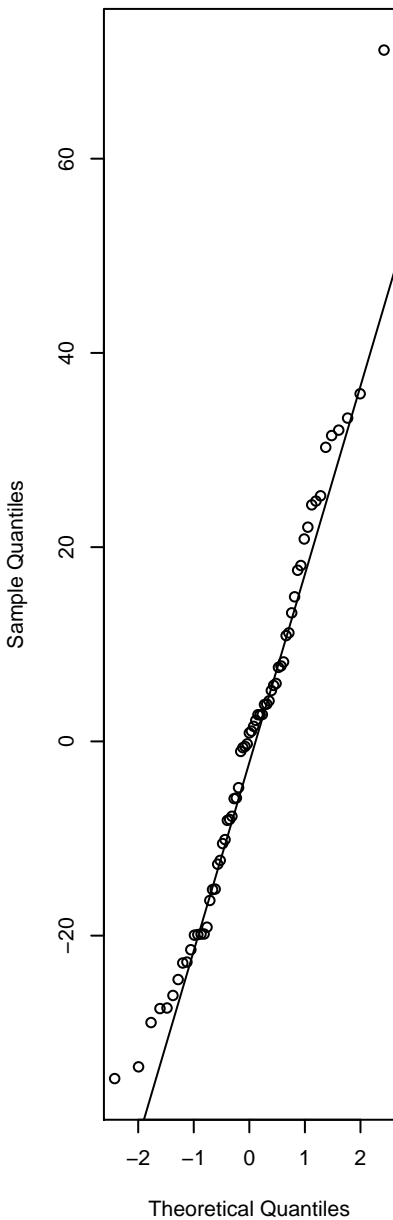
MAX_D1 Normal Q-Q Plot



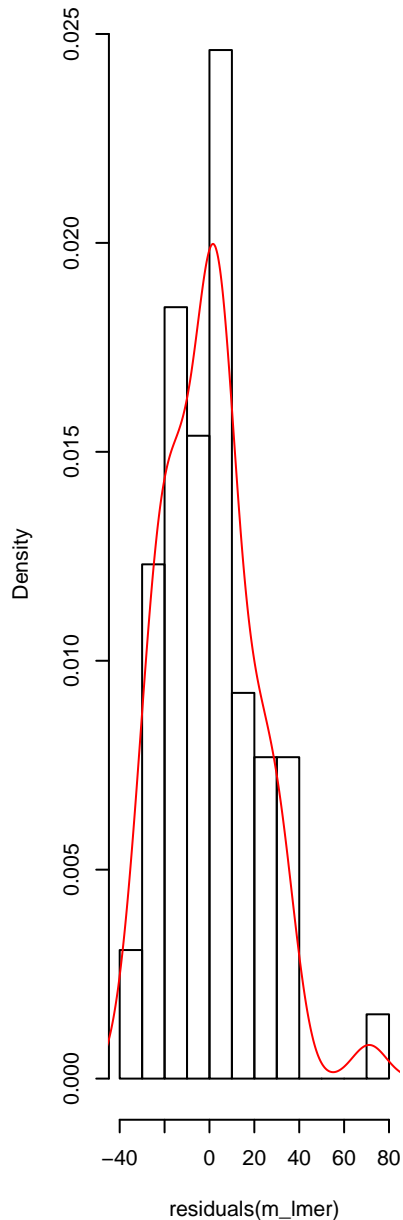
Histogram of residuals(m_lmer)



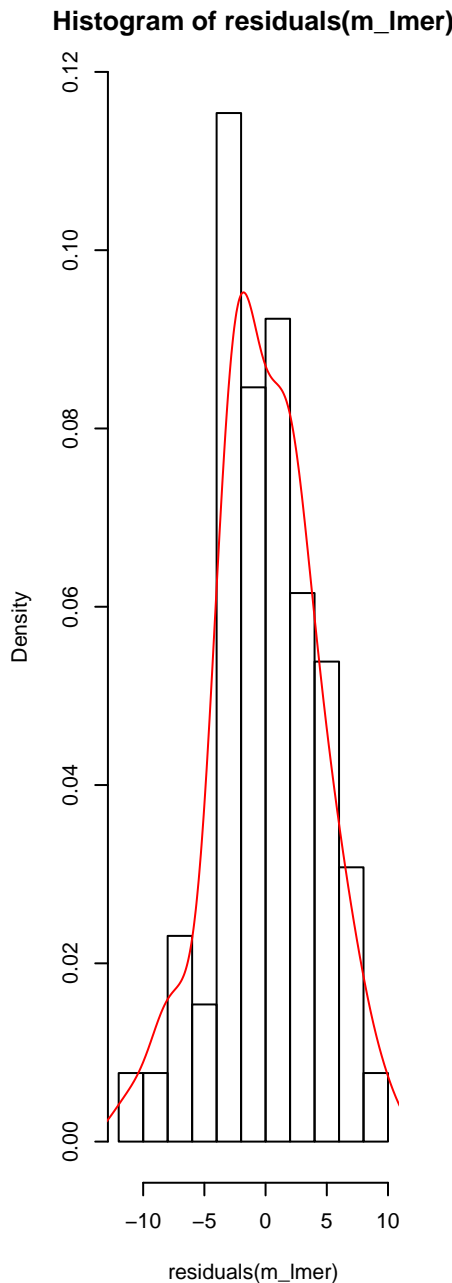
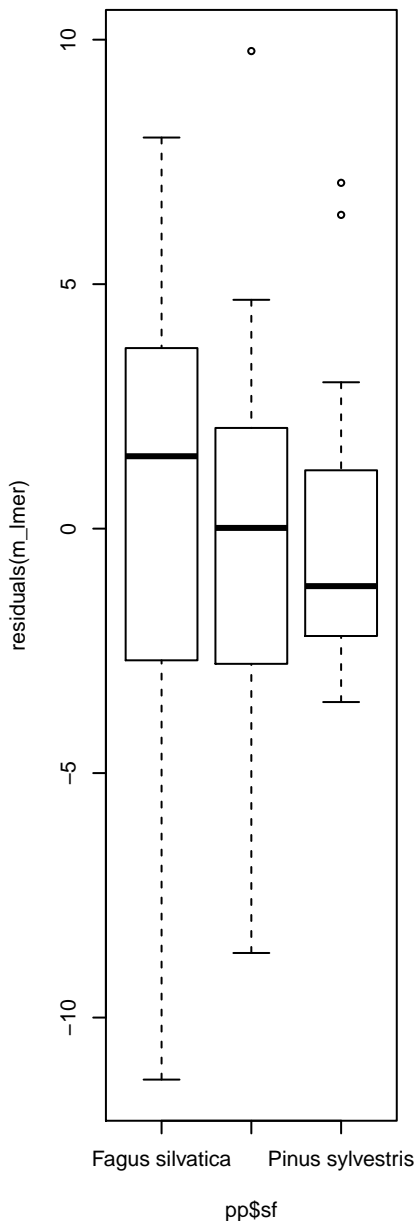
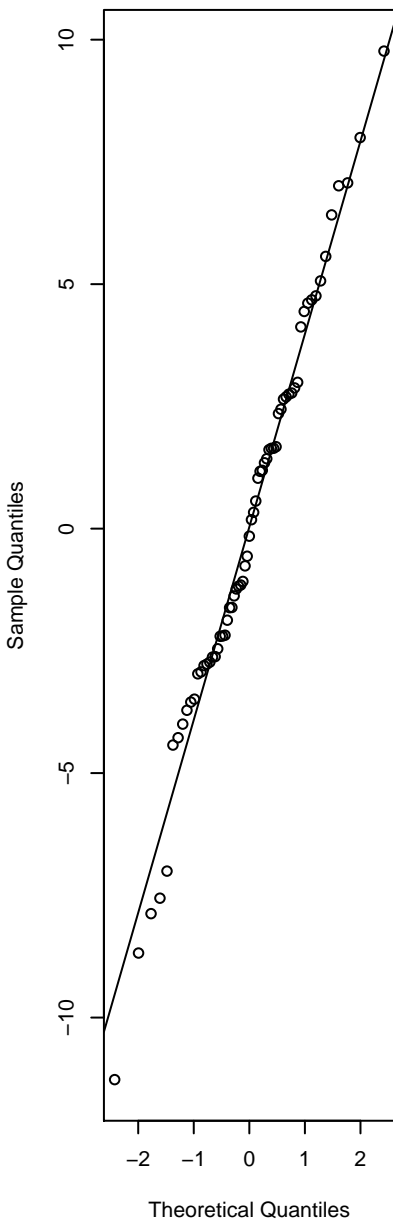
MAX_D1_D1 Normal Q-Q Plot



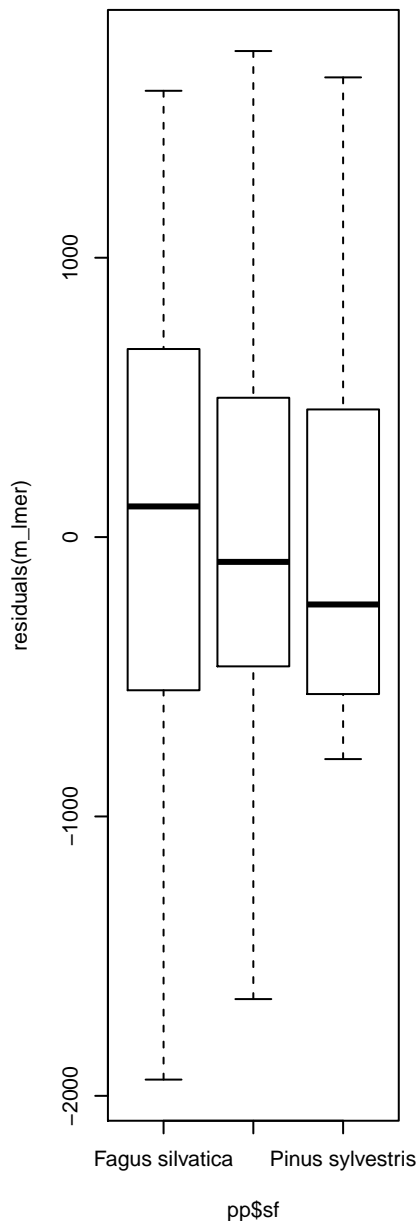
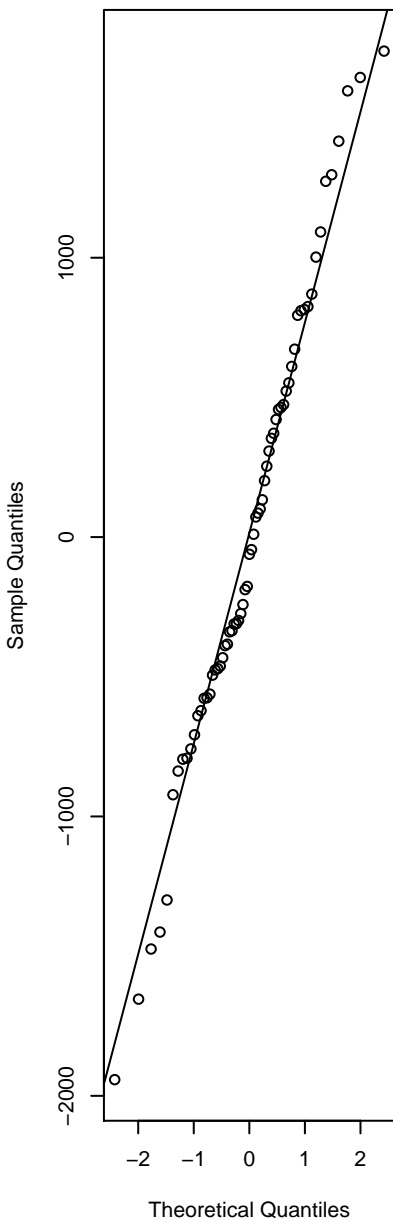
Histogram of residuals(m_lmer)



MEAN_D1
Normal Q-Q Plot



XYLEM **Normal Q-Q Plot**



Histogram of residuals(m_lmer)

