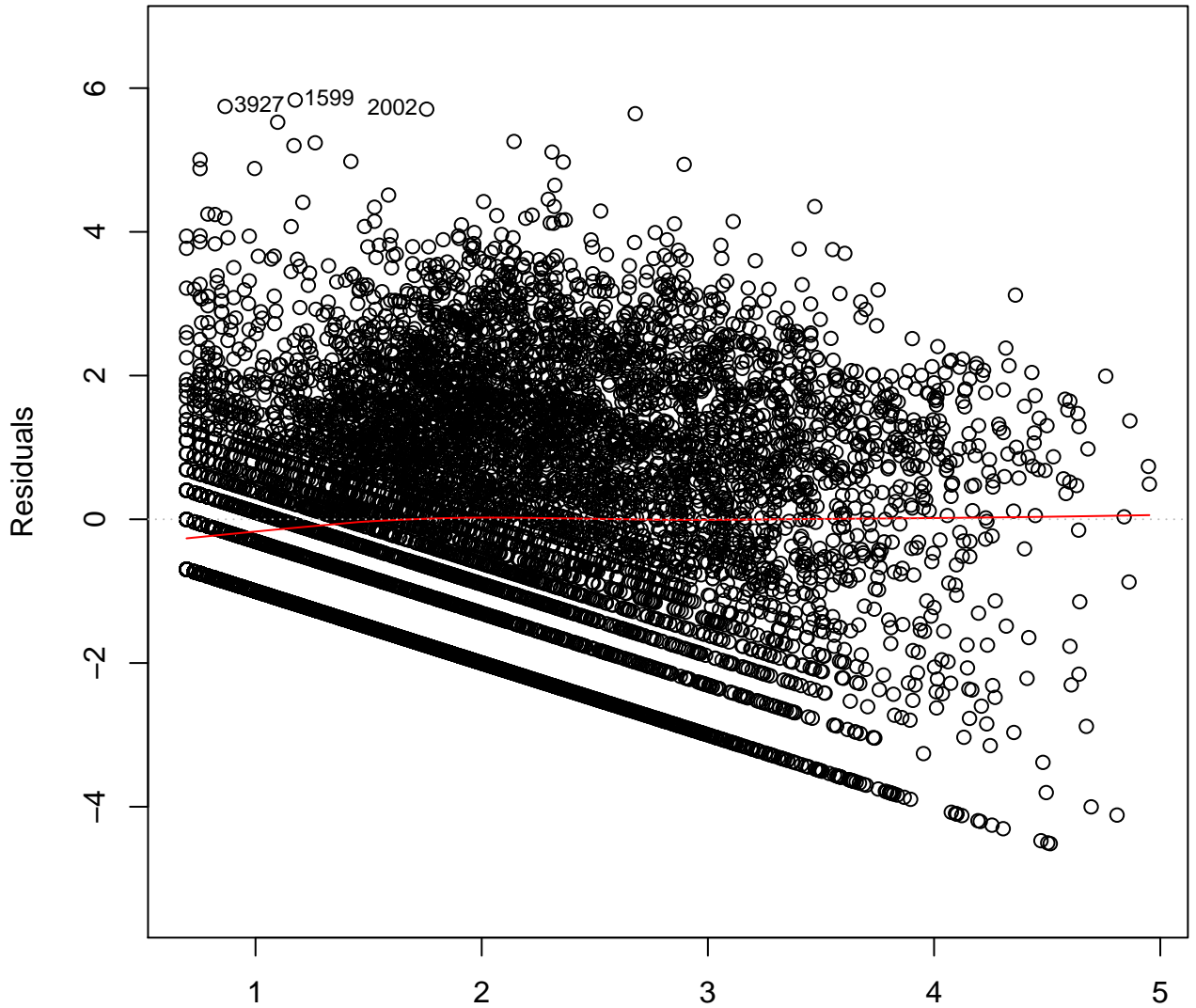


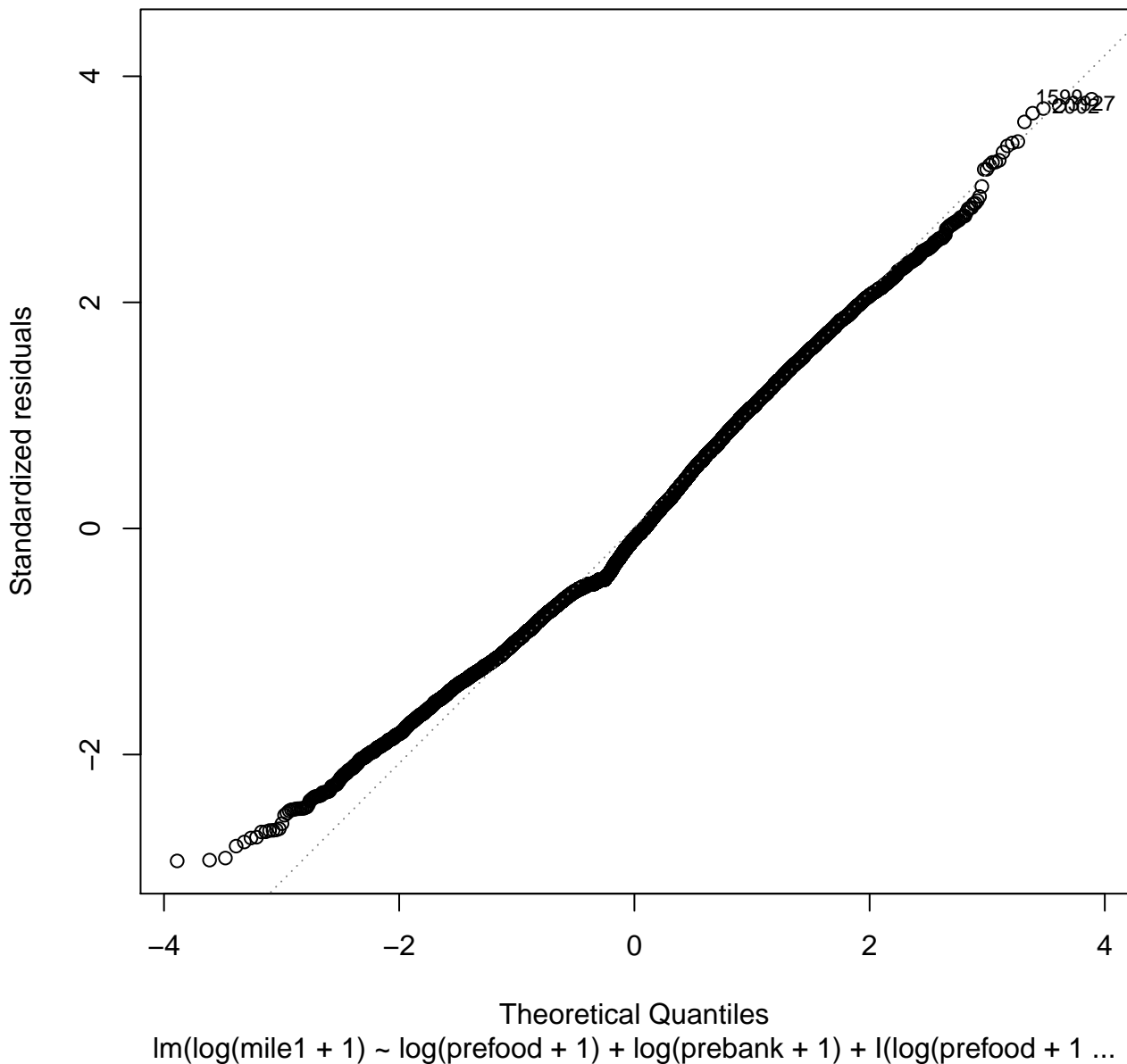
Residuals vs Fitted

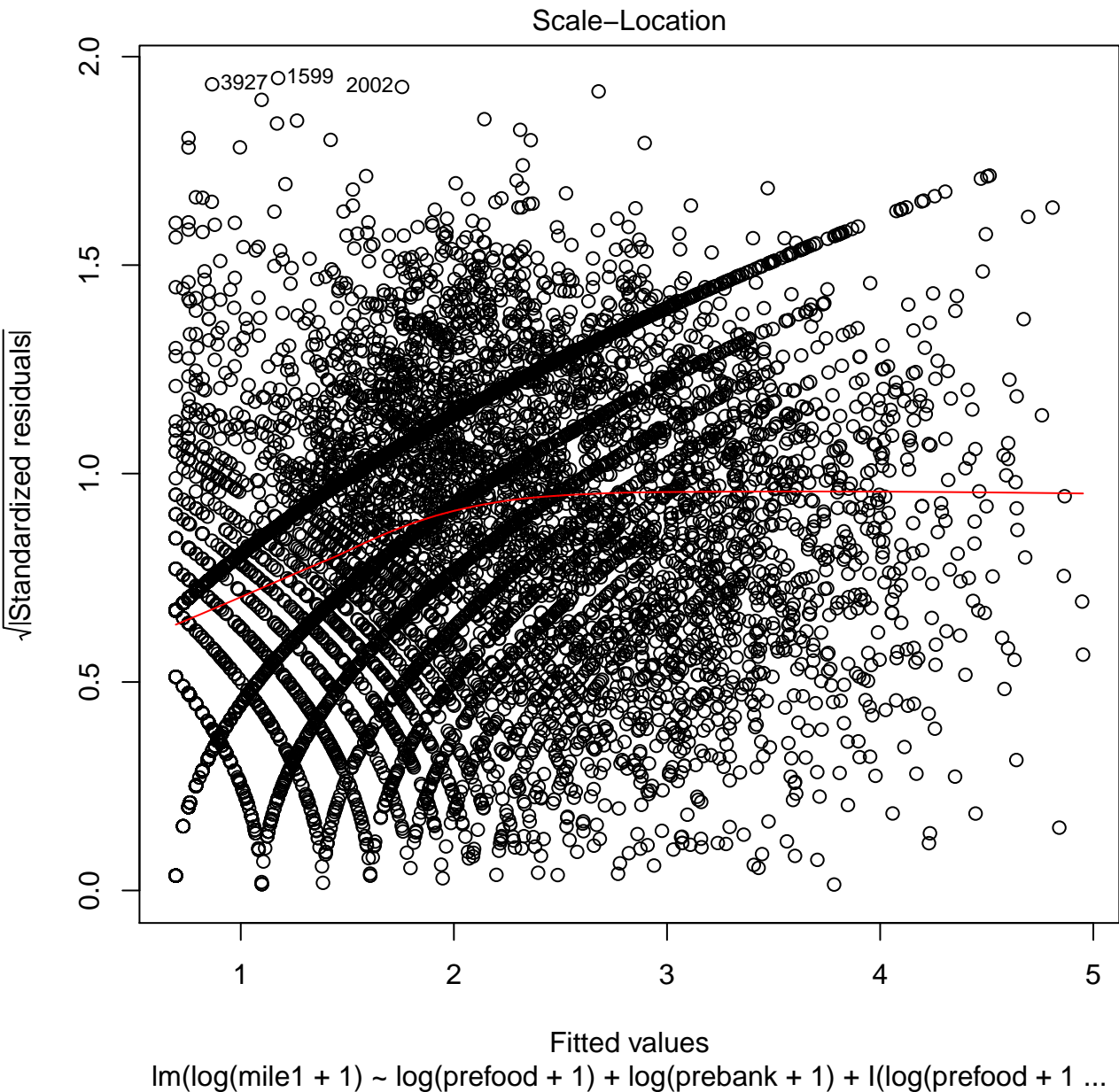


Fitted values

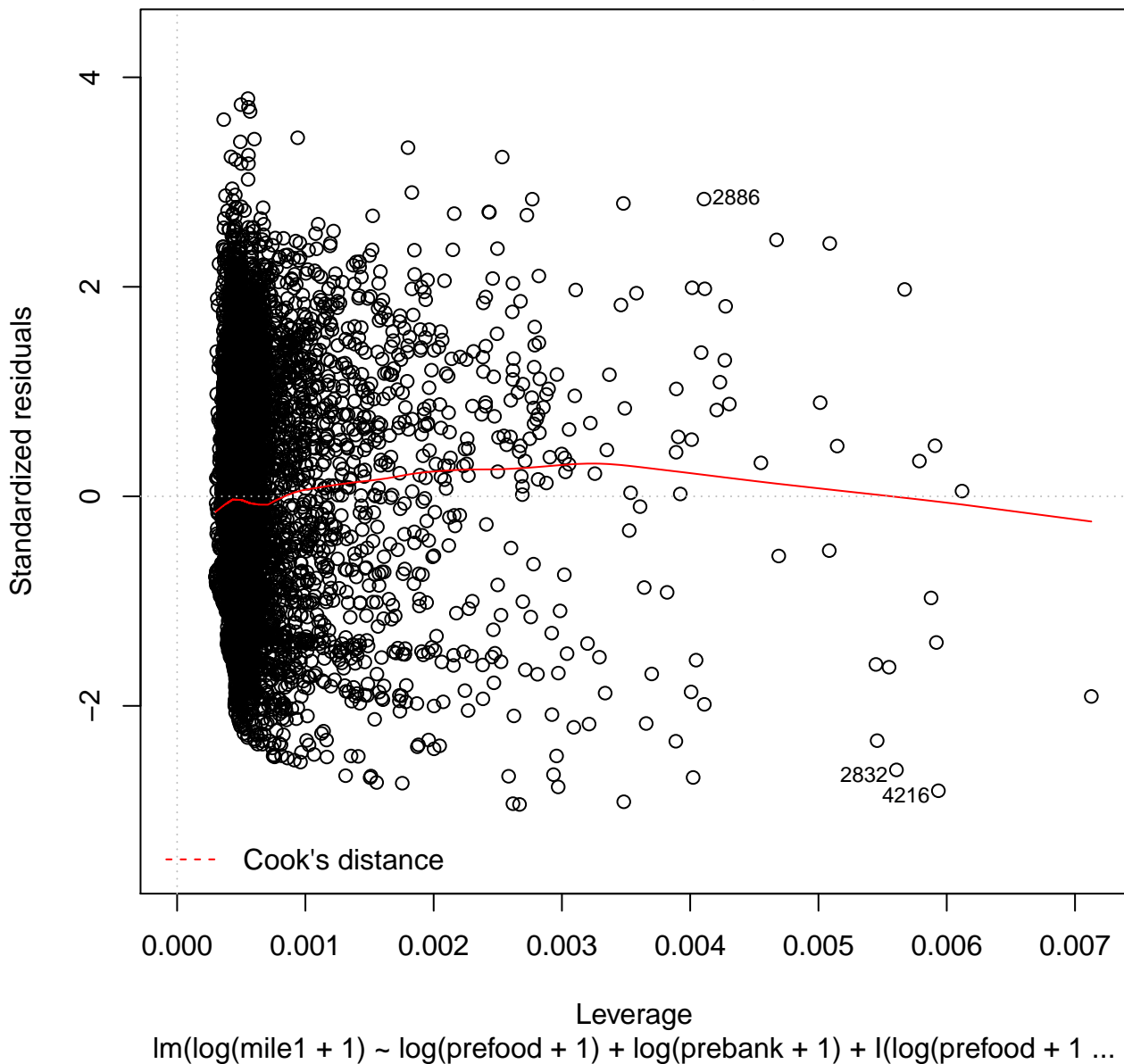
$\ln(\log(\text{mile1} + 1) \sim \log(\text{prefood} + 1) + \log(\text{prebank} + 1) + \ln(\log(\text{prefood} + 1) \dots$

Normal Q-Q

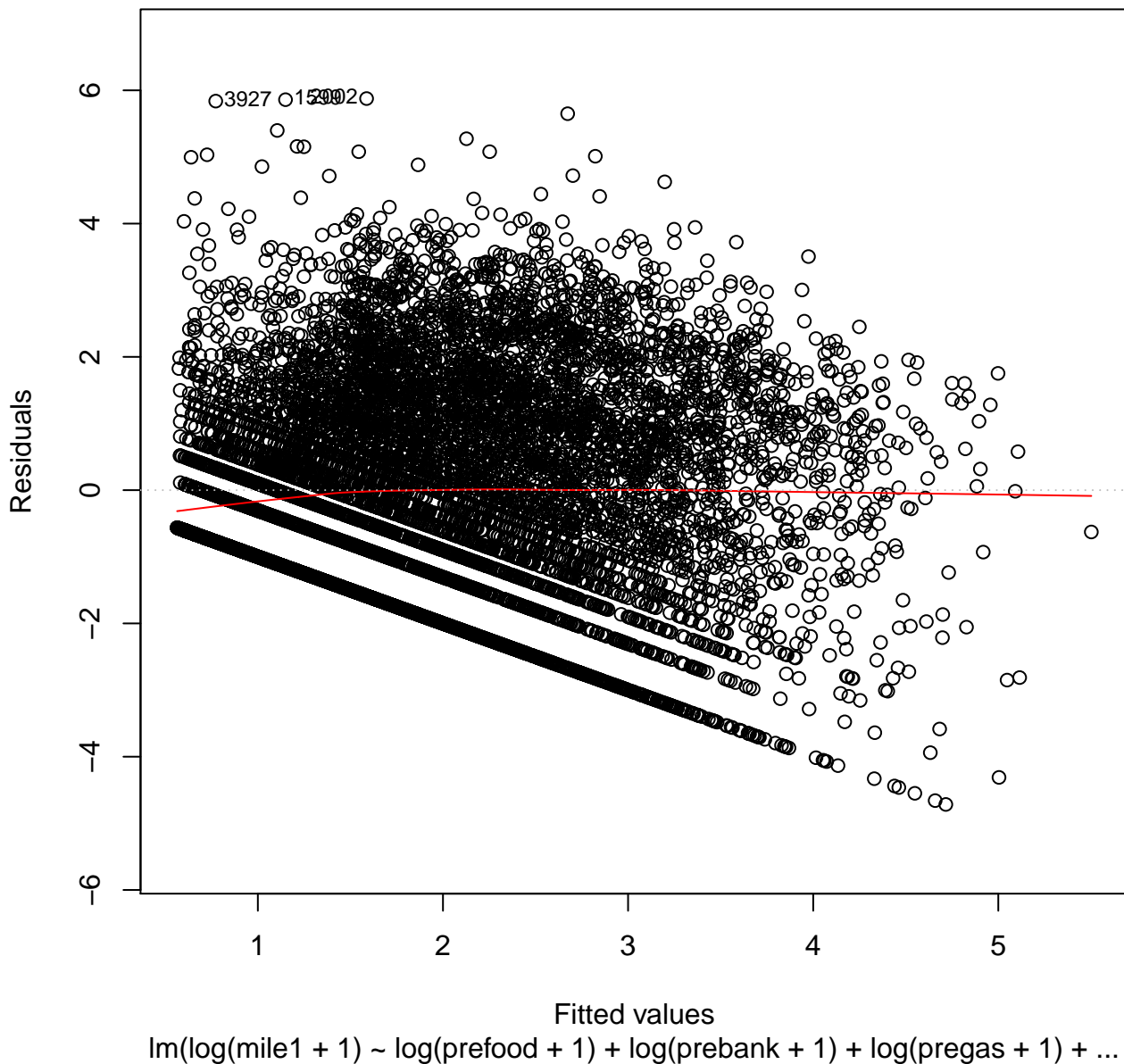




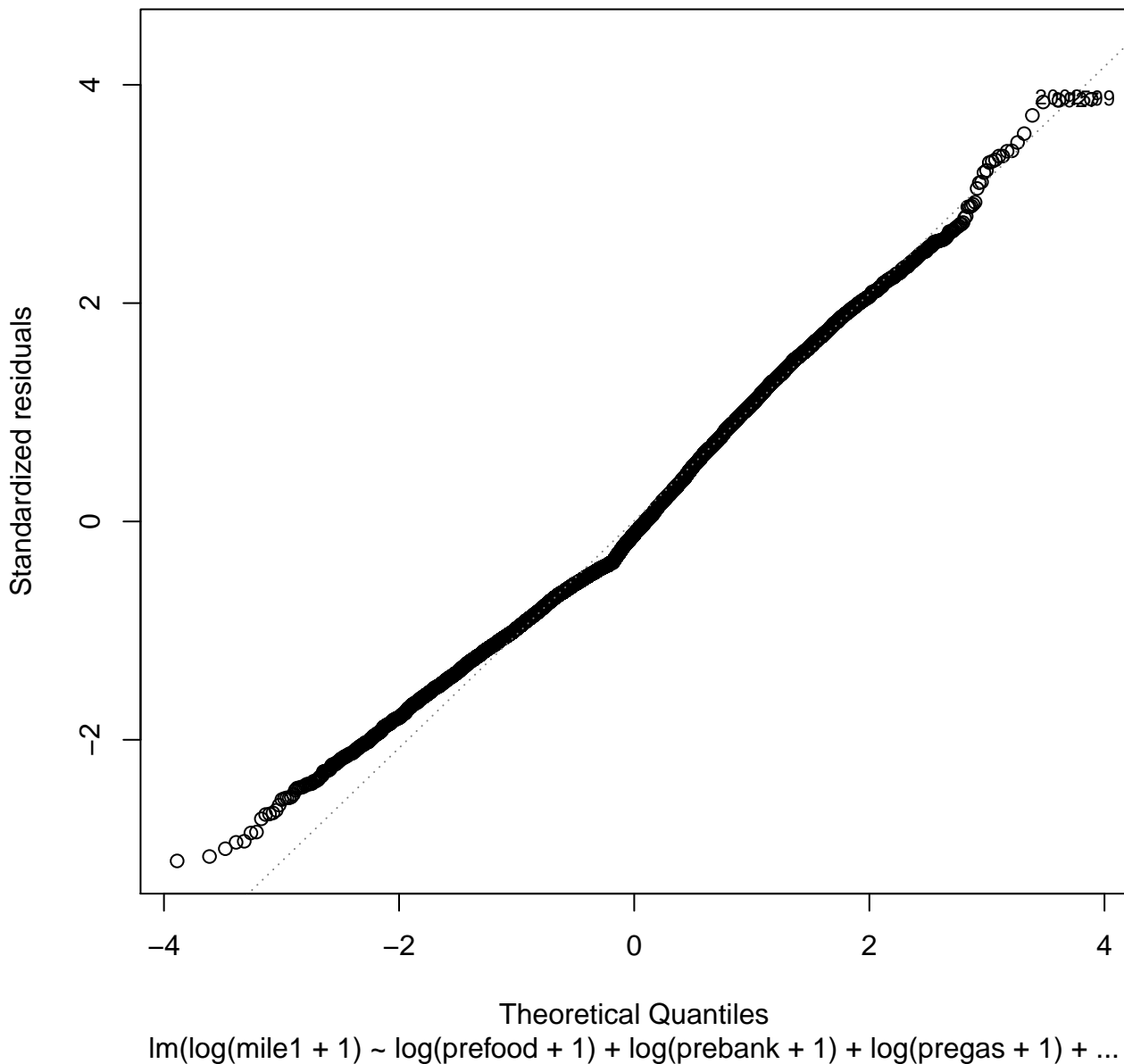
Residuals vs Leverage

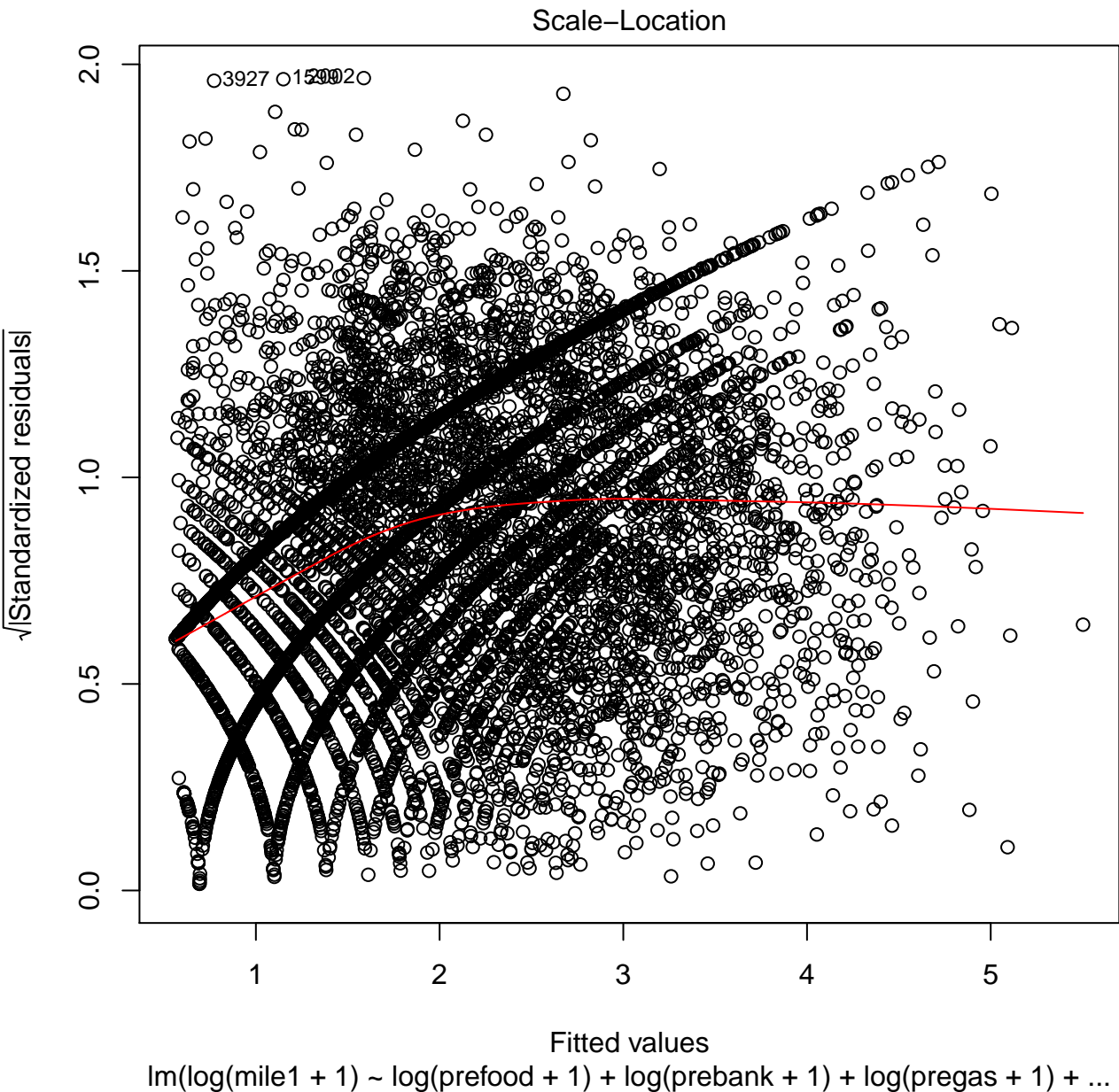


Residuals vs Fitted

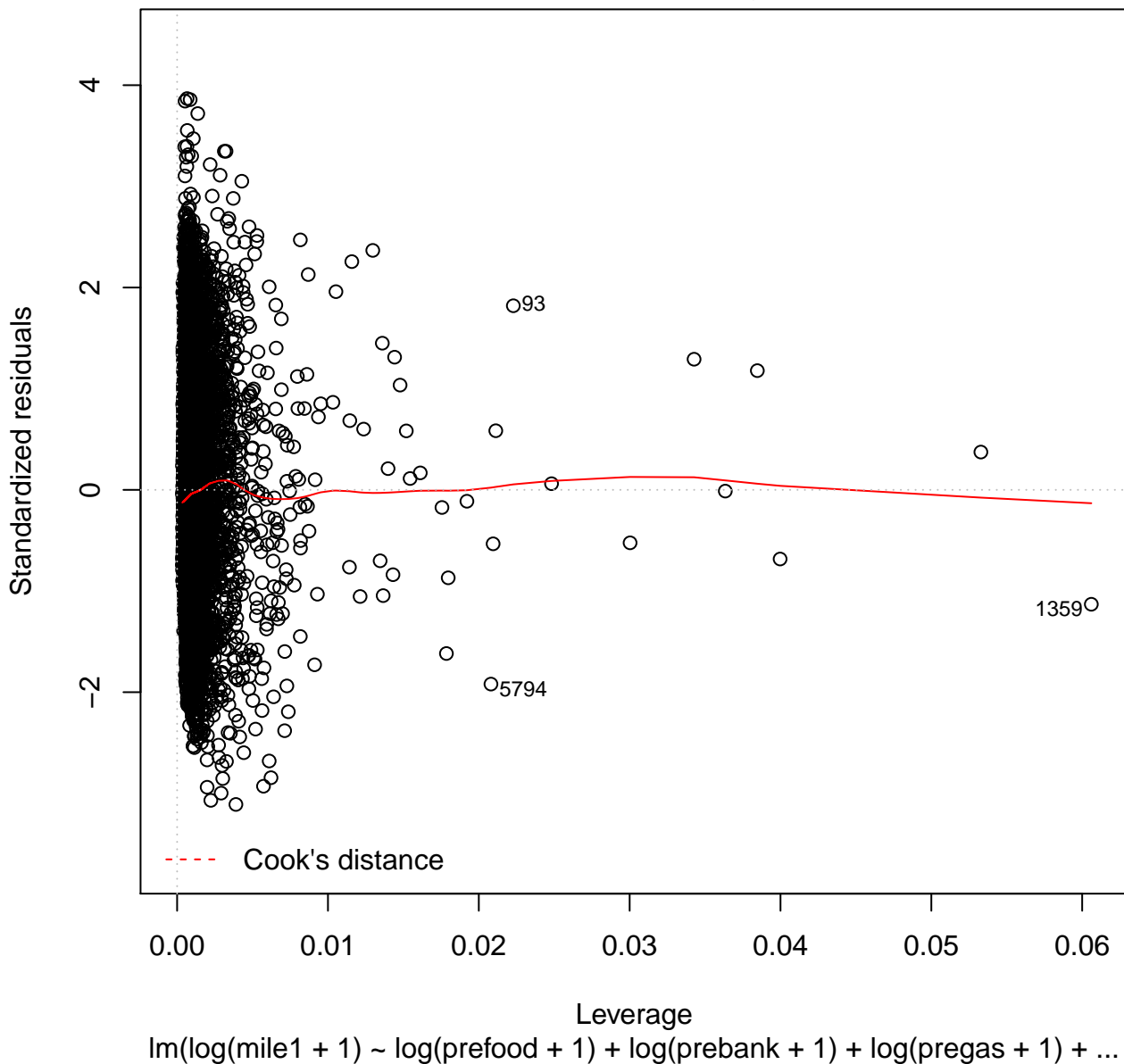


Normal Q-Q



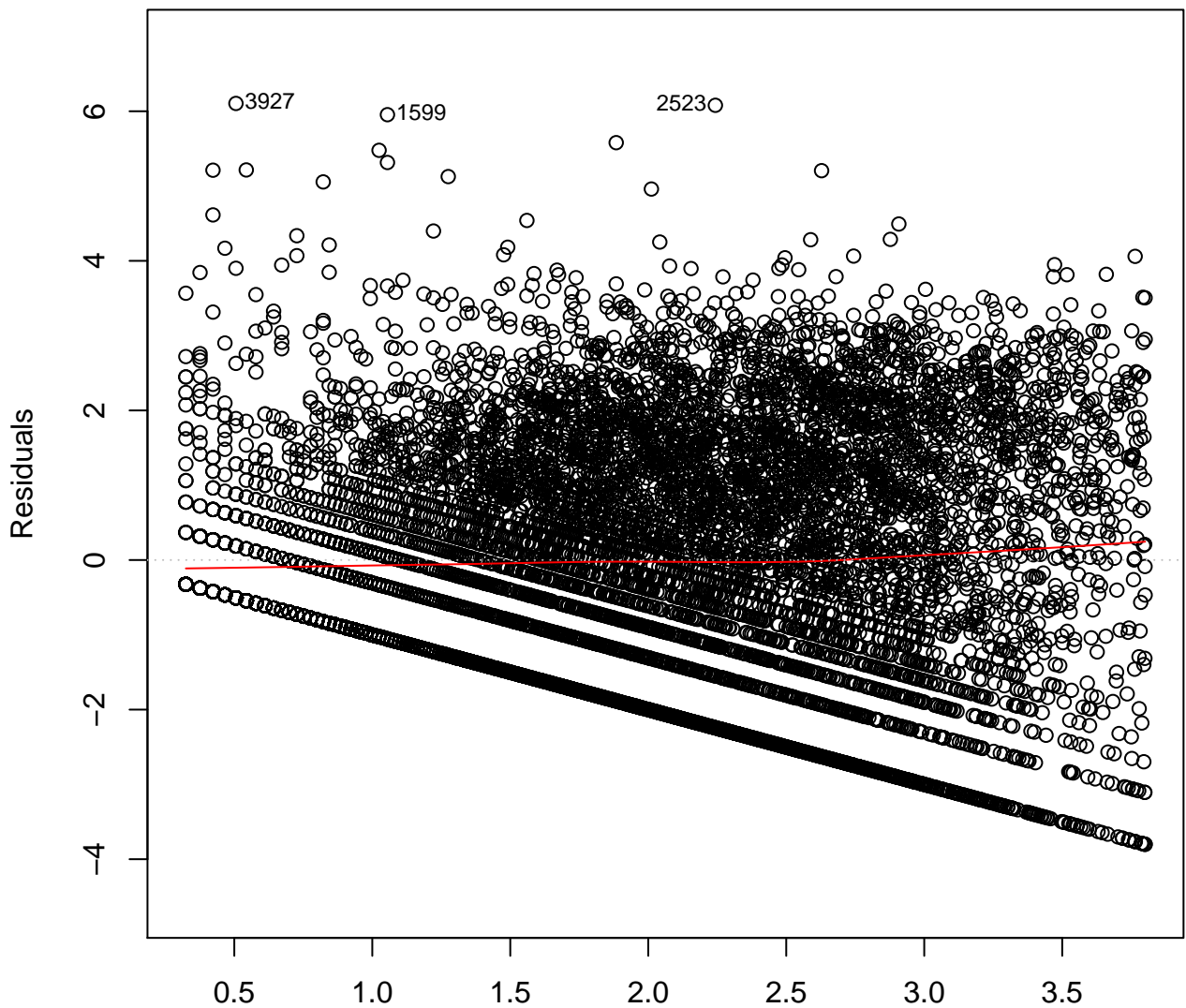


Residuals vs Leverage



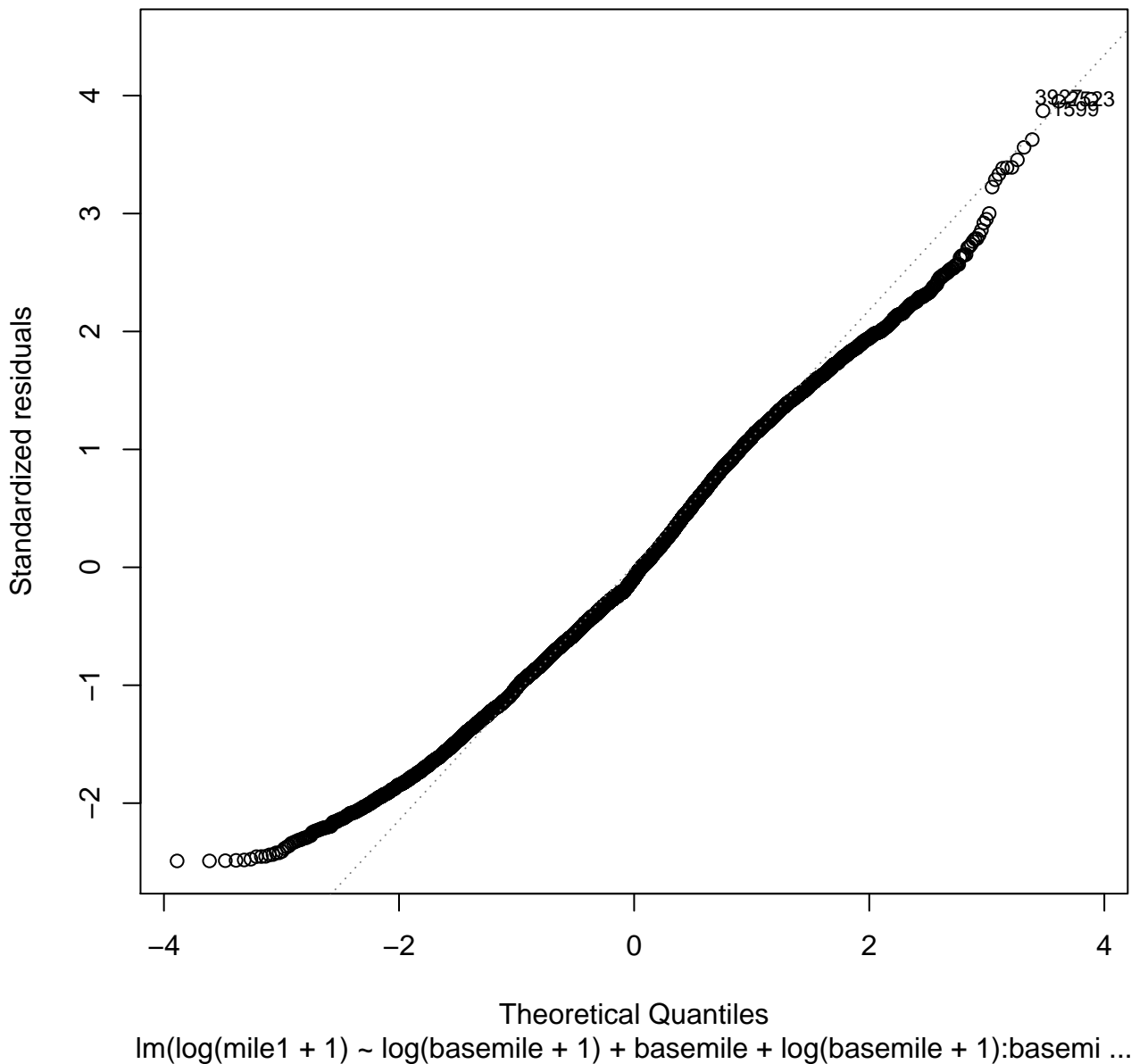


Residuals vs Fitted

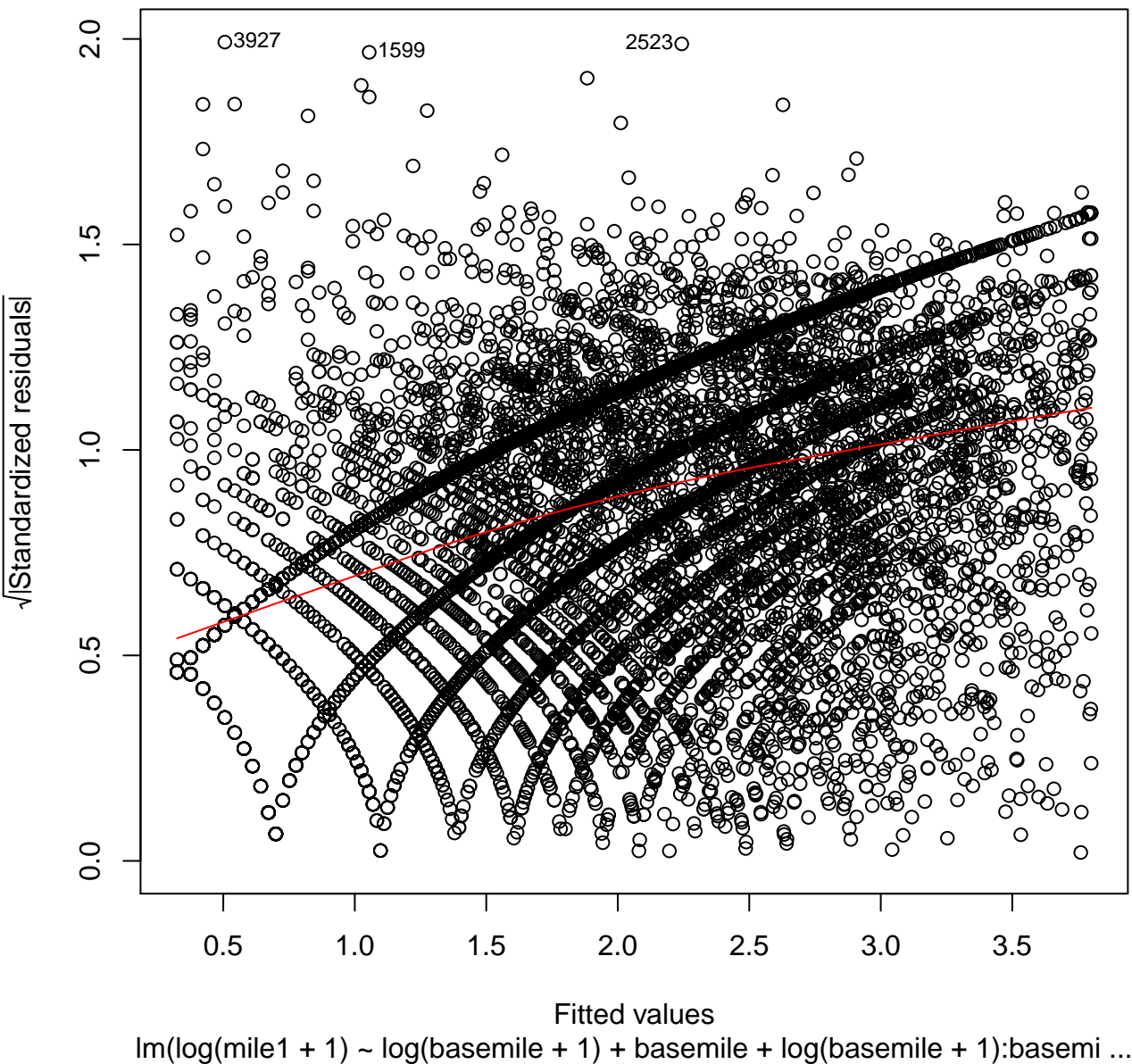


Fitted values  
 $\text{lm}(\log(\text{mile1} + 1) \sim \log(\text{basemile} + 1) + \text{basemile} + \log(\text{basemile} + 1):\text{basemi} \dots$

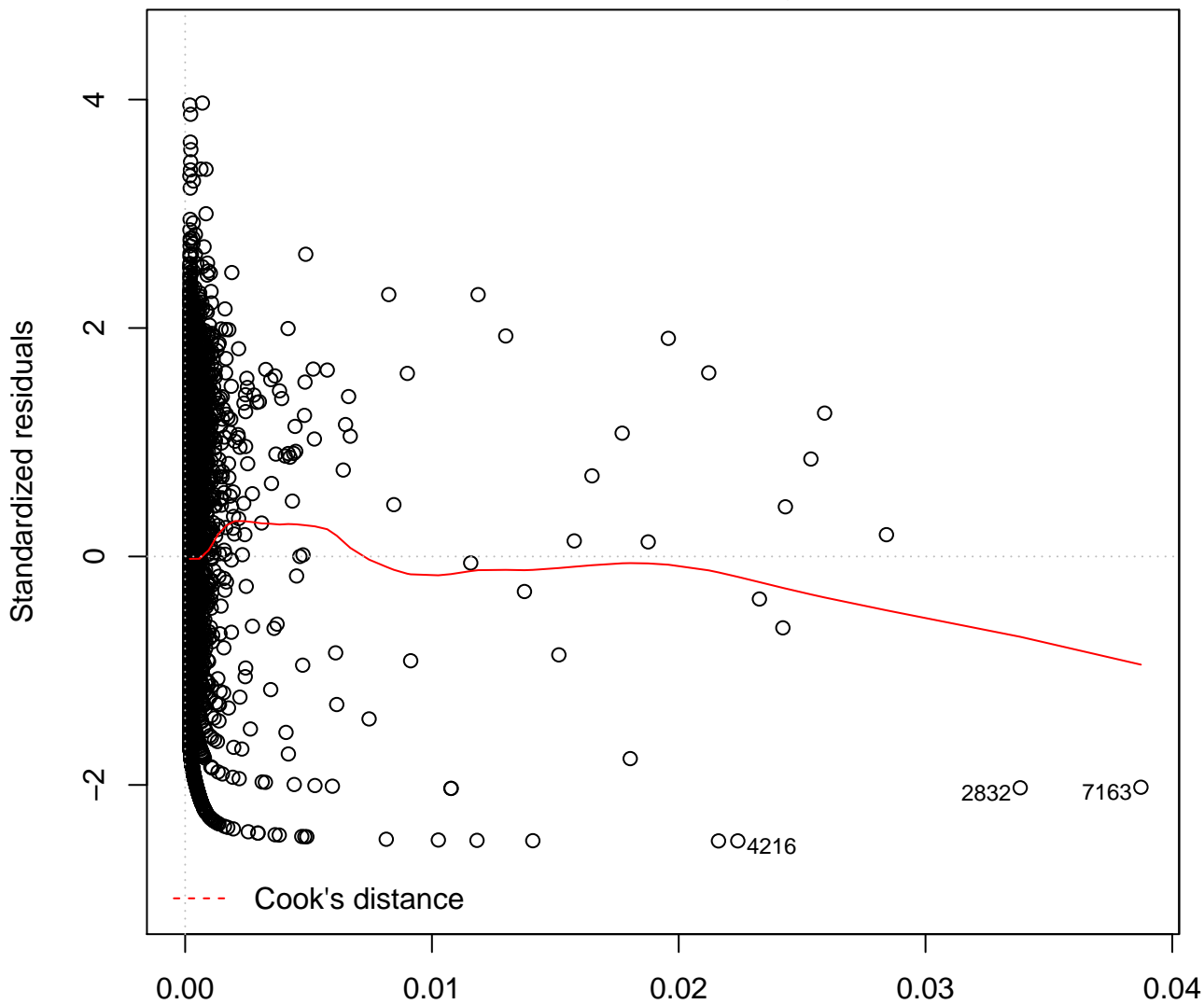
Normal Q-Q



Scale-Location



# Residuals vs Leverage



--- Cook's distance

Leverage  
lm(log(mile1 + 1) ~ log(basemile + 1) + basemile + log(basemile + 1):basemi ...