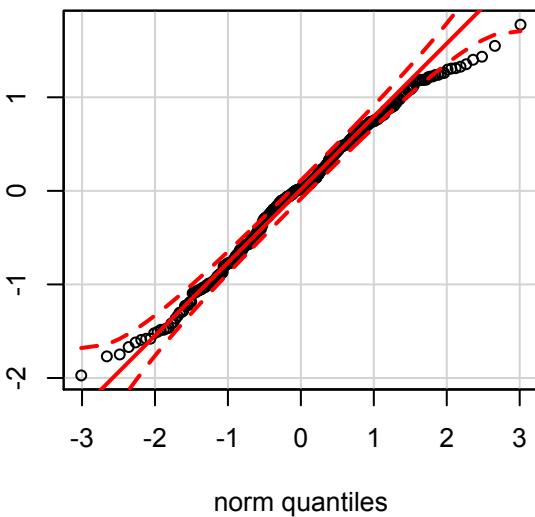
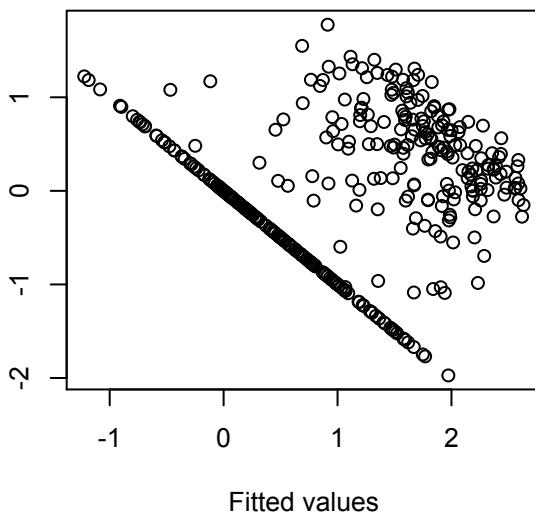


$\text{Im}(\text{update}(Y.\text{main}, \dots + I(H2O^2) + \text{Block}), \text{SECCa})$

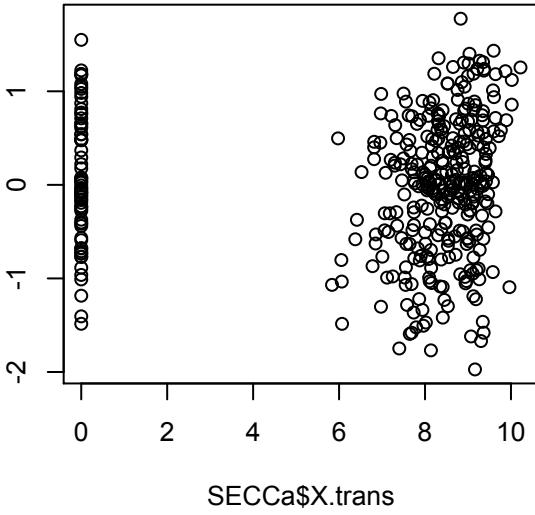
Standardized Residuals



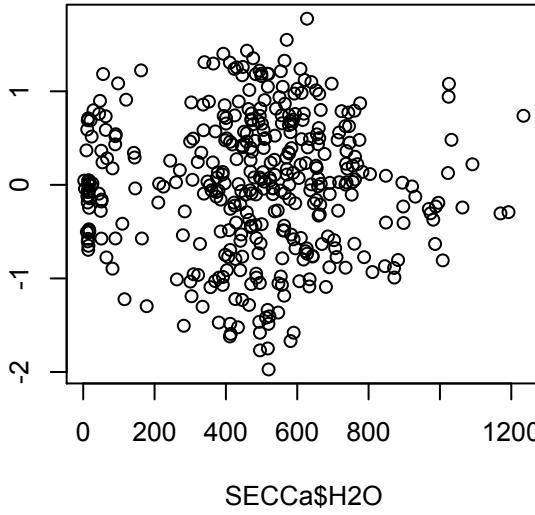
Standardized Residuals



Standardized Residuals

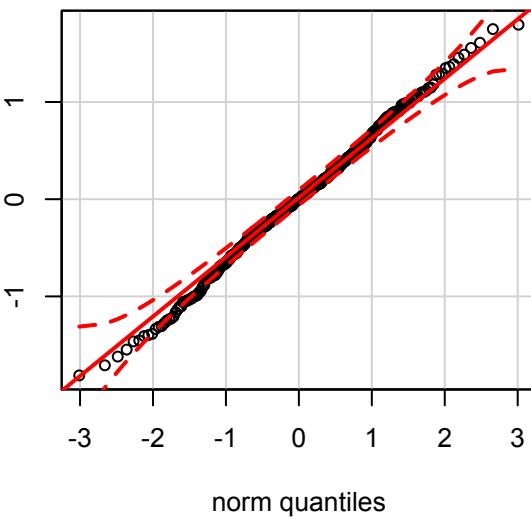


Standardized Residuals

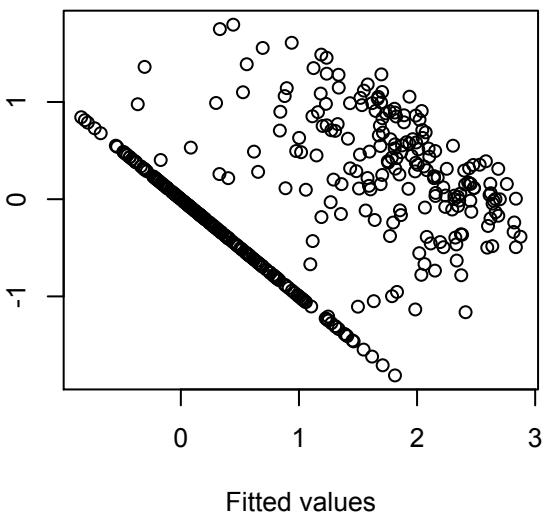


$\text{Im}(\text{Y.trans X.trans} + \text{H}_2\text{O} + \text{I}(\text{H}_2\text{O}^2) + \text{Block} + \text{TimeChamberFragPosition, SECCa})$

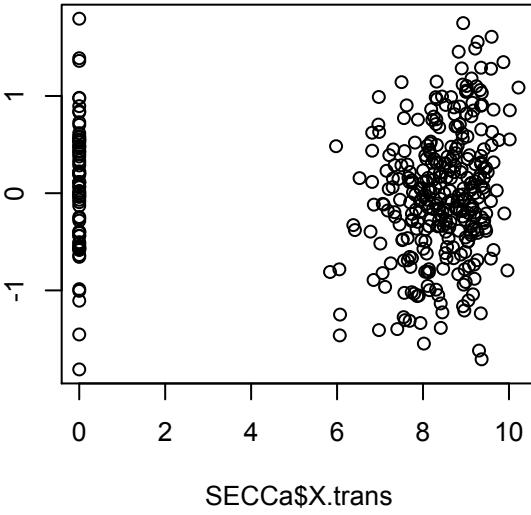
Standardized Residuals



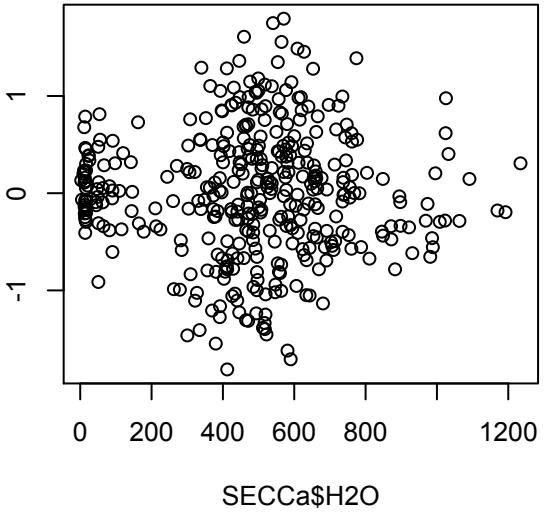
Standardized Residuals



Standardized Residuals

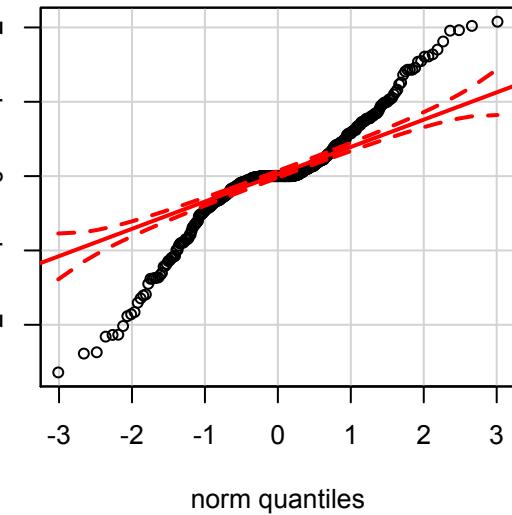


Standardized Residuals

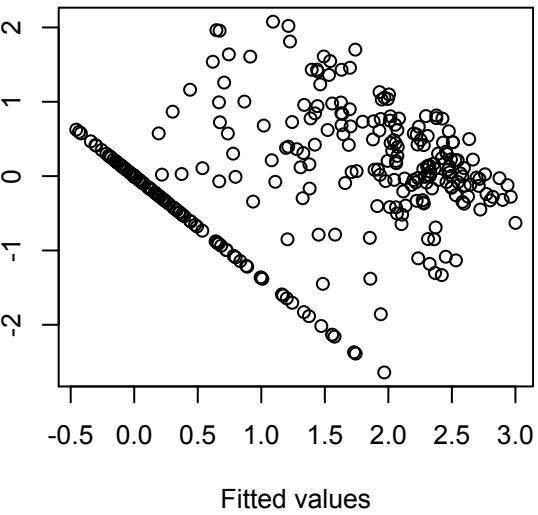


$\text{gls}(\text{Y.fixed}, \text{SECCa}, \text{REML})$

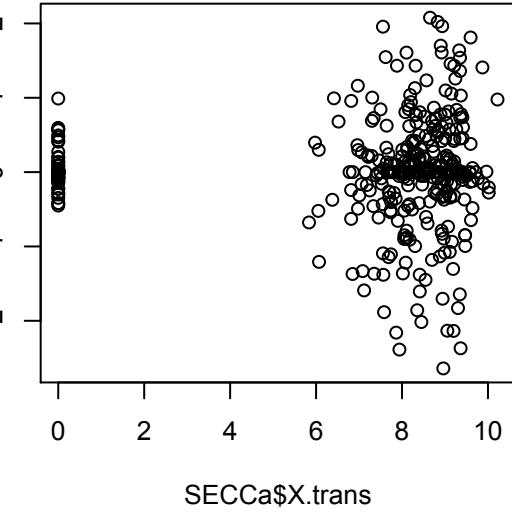
Standardized Residuals



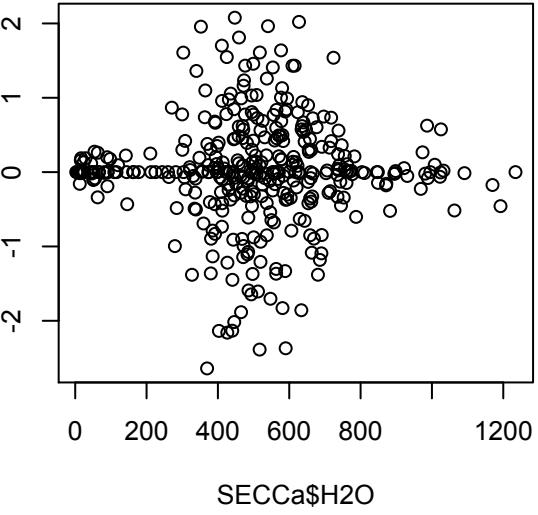
Standardized Residuals



Standardized Residuals

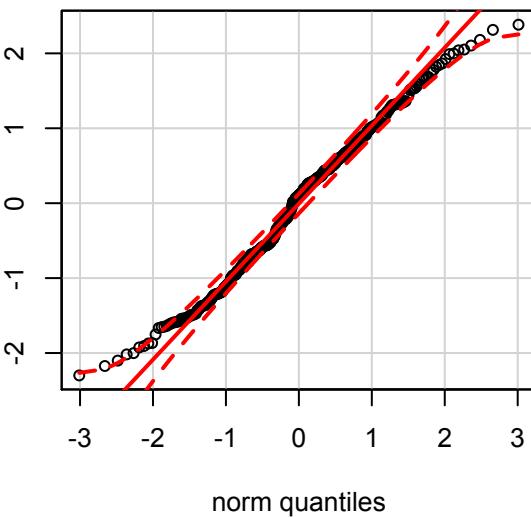


Standardized Residuals

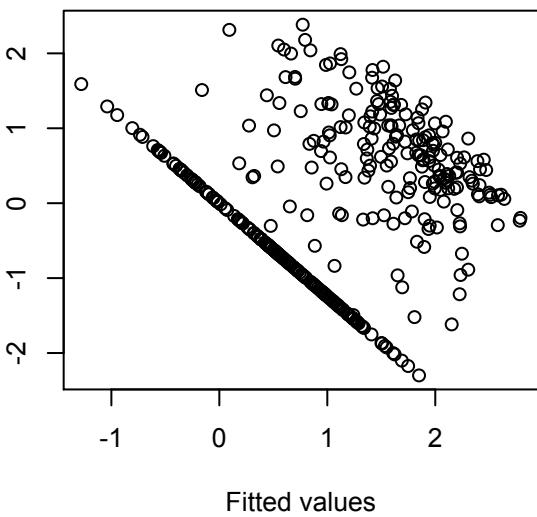


lme.formula(Y.main, SECCa, Y.Ri, REML)

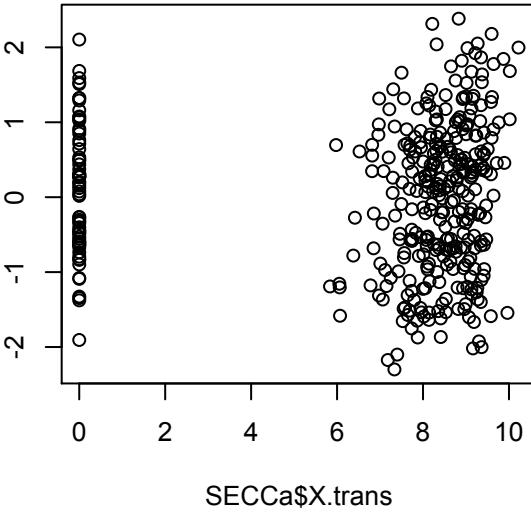
Standardized Residuals



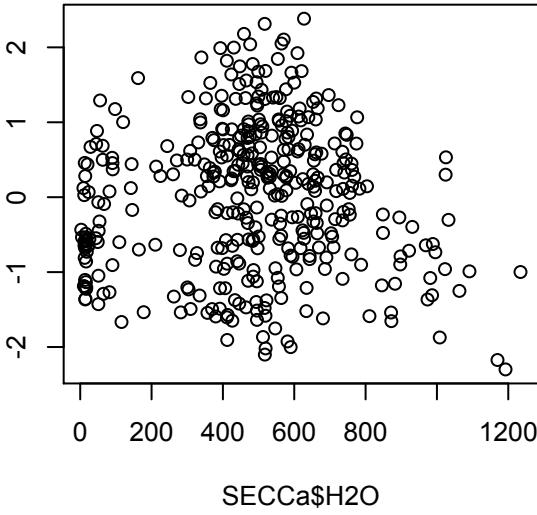
Standardized Residuals

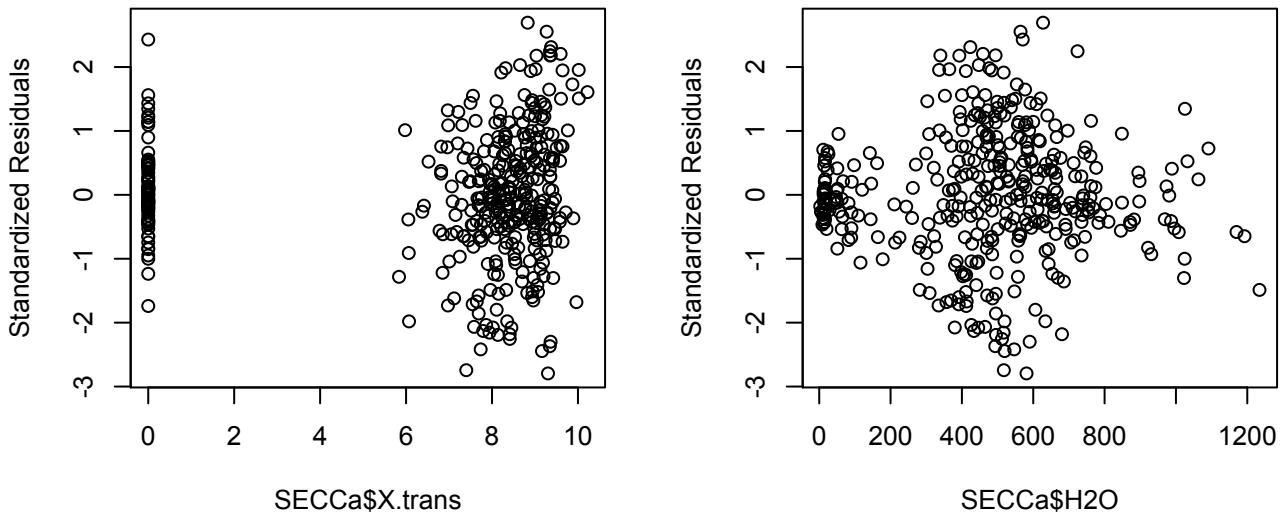
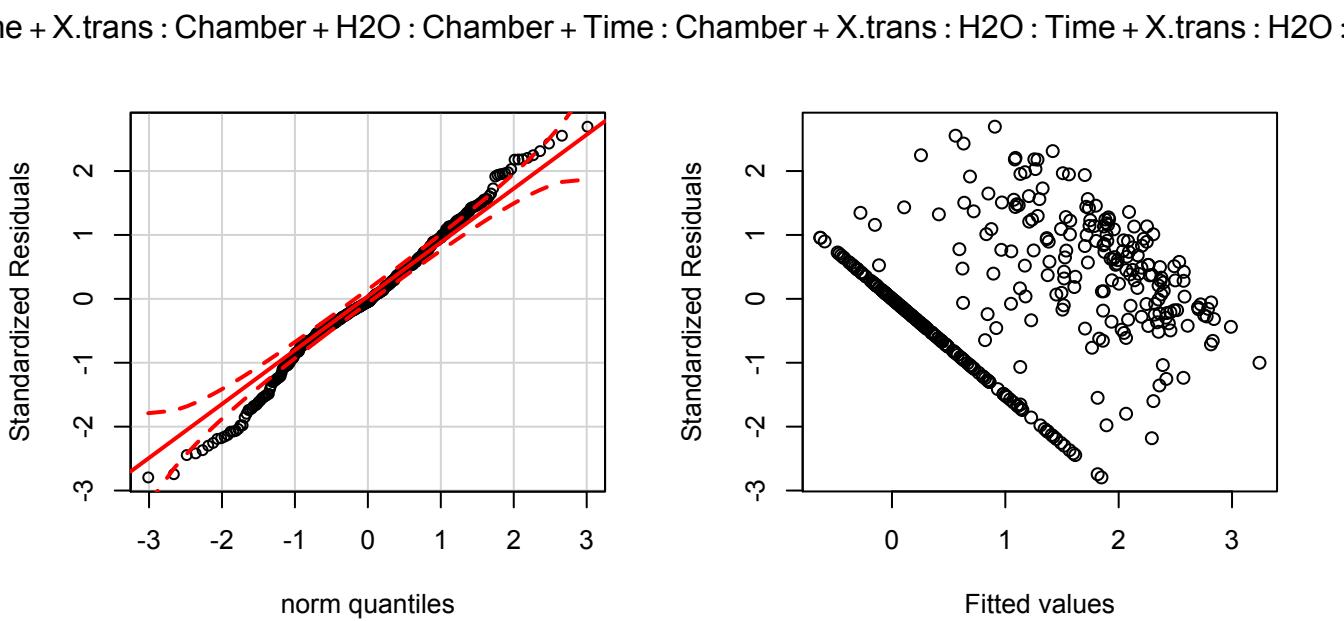


Standardized Residuals



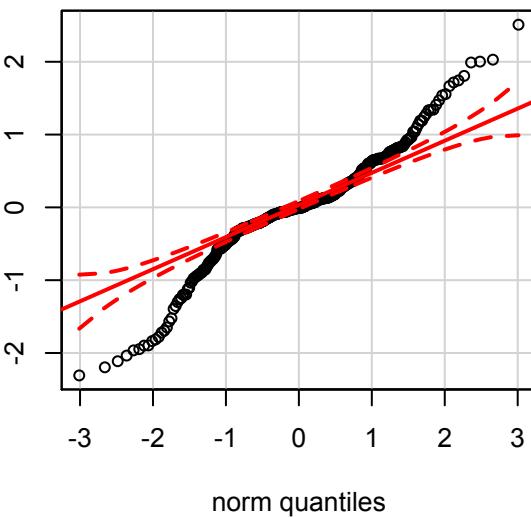
Standardized Residuals



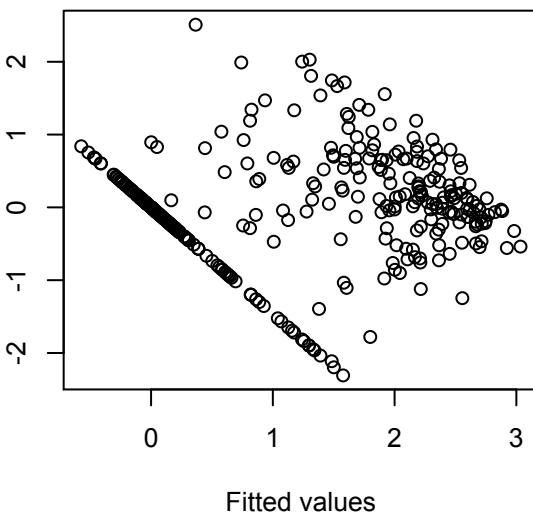


lme.formula(Y.fixed, SECCa, Y.Ri, REML, lmd)

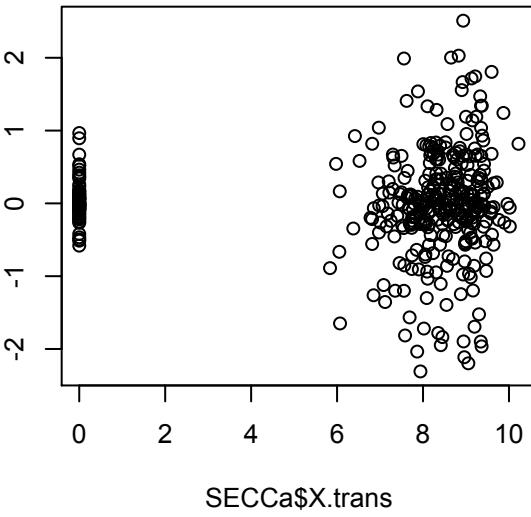
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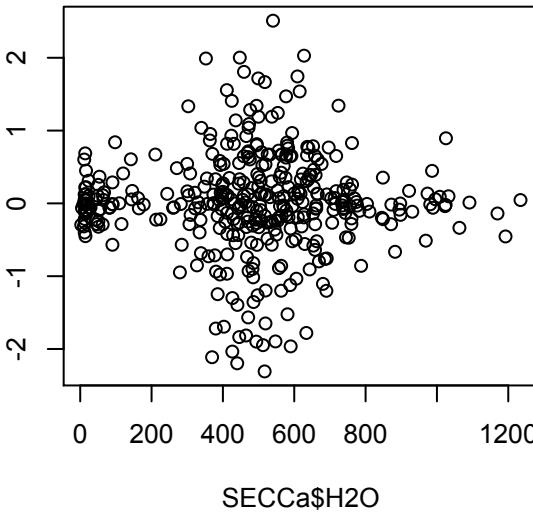
Standardized Residuals



Standardized Residuals

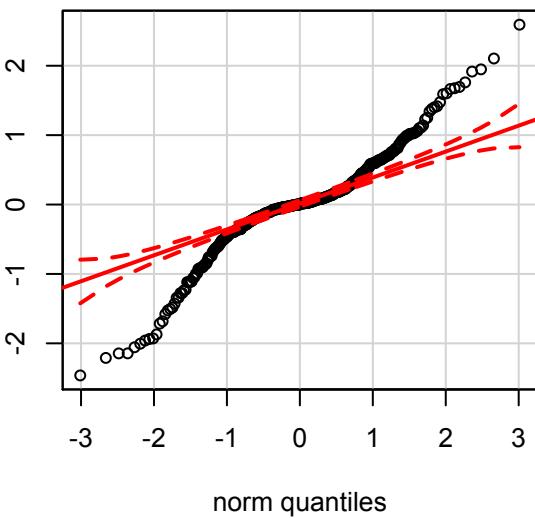


Standardized Residuals

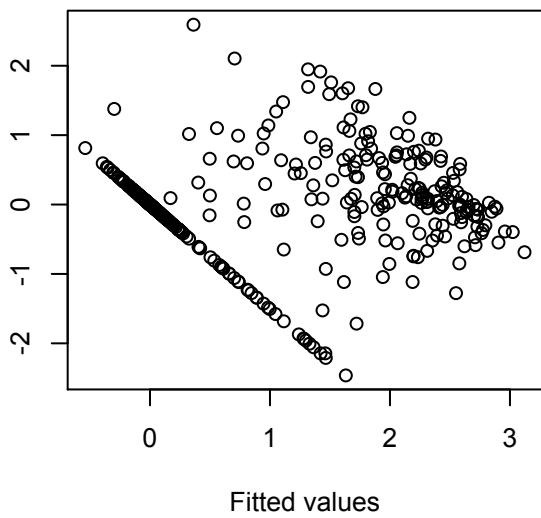


lme.formula(Y.fixed, SECCa, Y.Ris, REML, lmc)

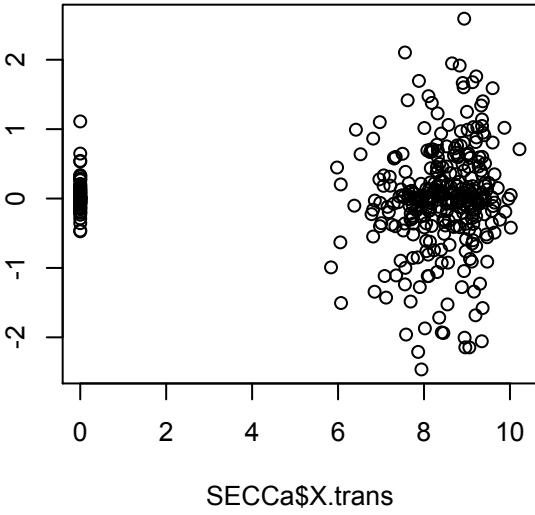
Standardized Residuals



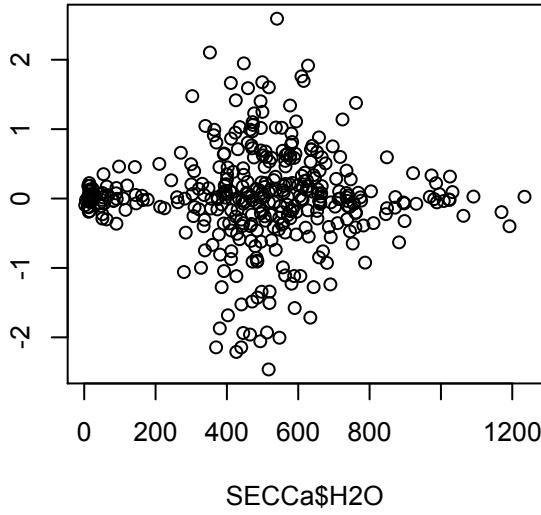
Standardized Residuals



Standardized Residuals

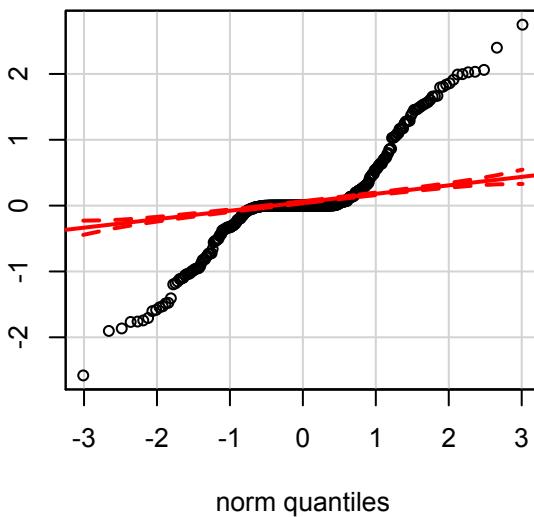


Standardized Residuals



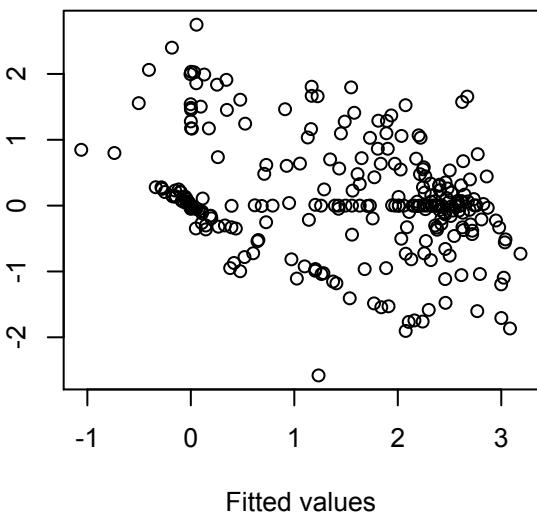
lme.formula(Y.fixed, SECCa, Y.Ri, varIdent( |(1, BlockTime)), REML, lmc)

Normalized Residuals



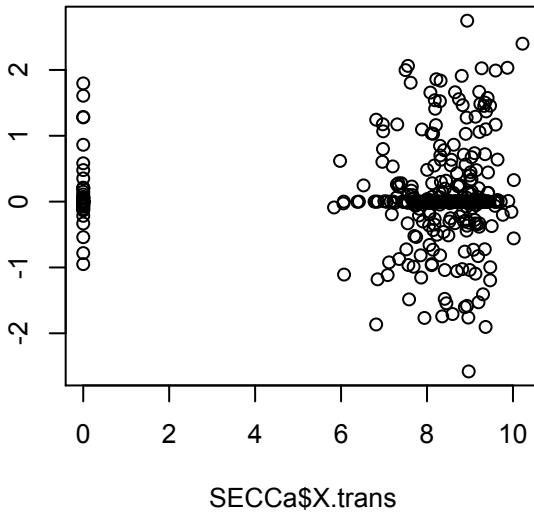
norm quantiles

Normalized Residuals



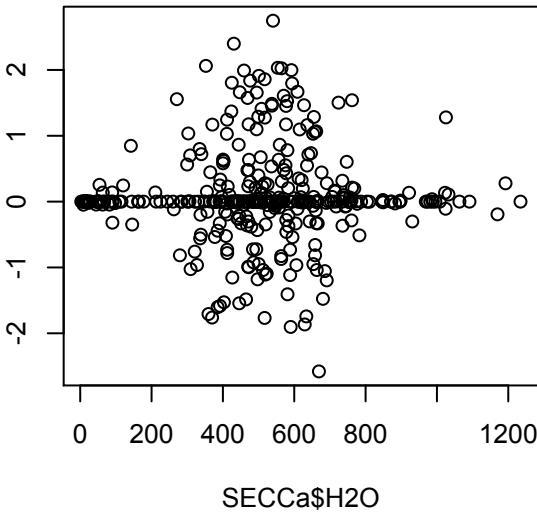
Fitted values

Normalized Residuals



SECCa\$X.trans

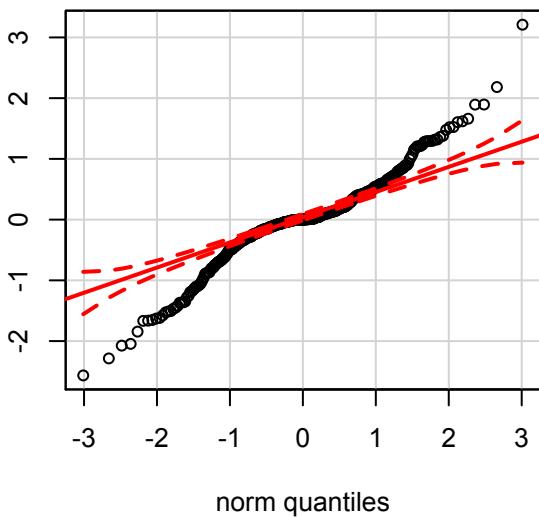
Normalized Residuals



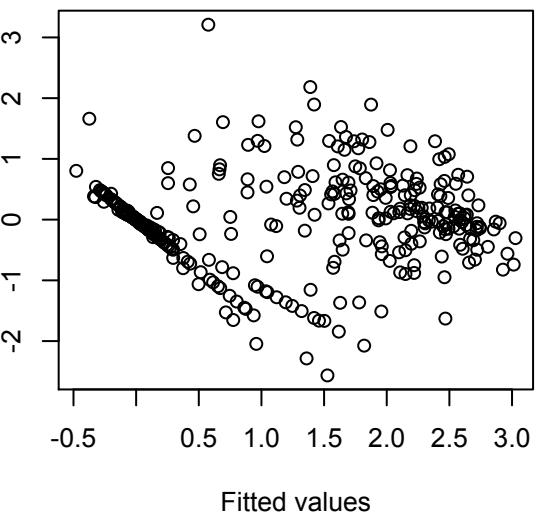
SECCa\$H2O

lme.formula(Y.fixed, SECCa, Y.Ris, varIdent( |(1, Time)), REML, lmc)

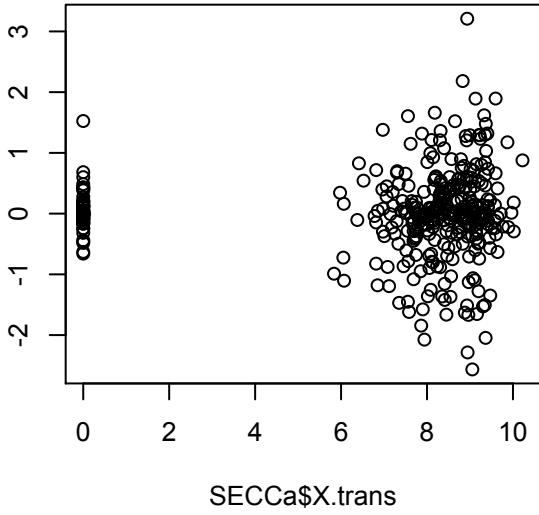
Standardized Residuals



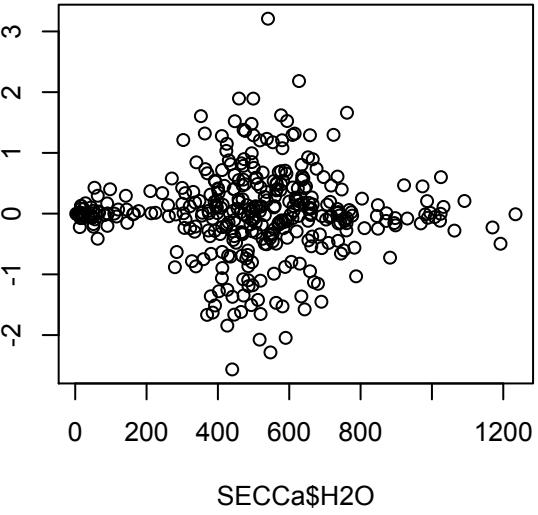
Standardized Residuals



Standardized Residuals

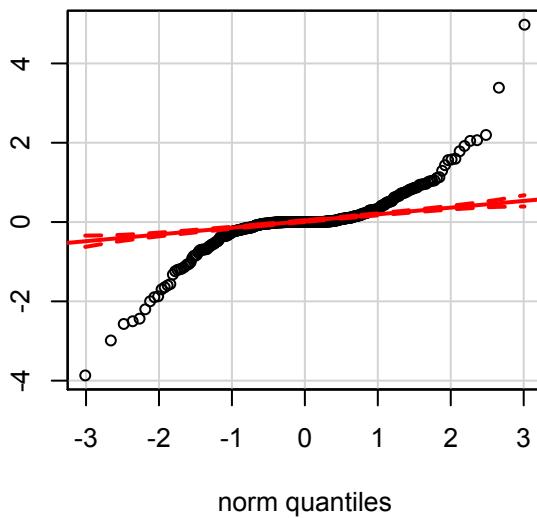


Standardized Residuals



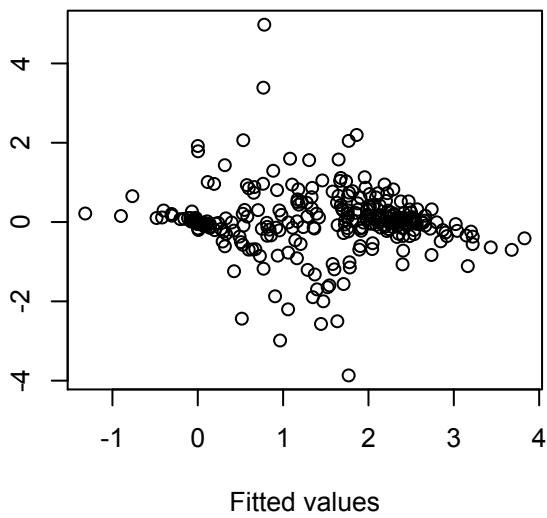
lme.formula(Y.fixed, SECCa, Y.Ri, varConstPower( H2O), REML, lmc)

Normalized Residuals



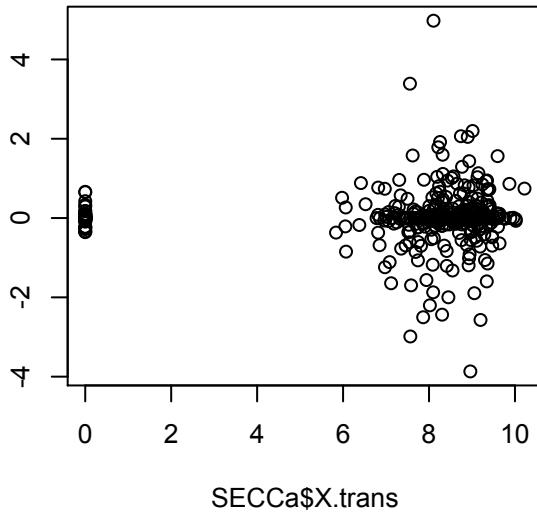
norm quantiles

Normalized Residuals



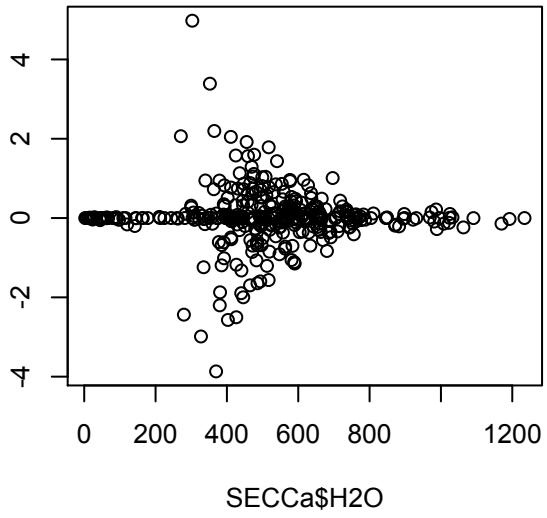
Fitted values

Normalized Residuals



SECCa\$X.trans

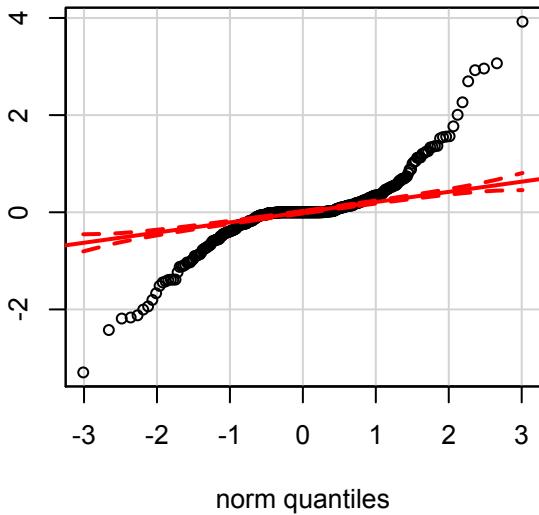
Normalized Residuals



SECCa\$H2O

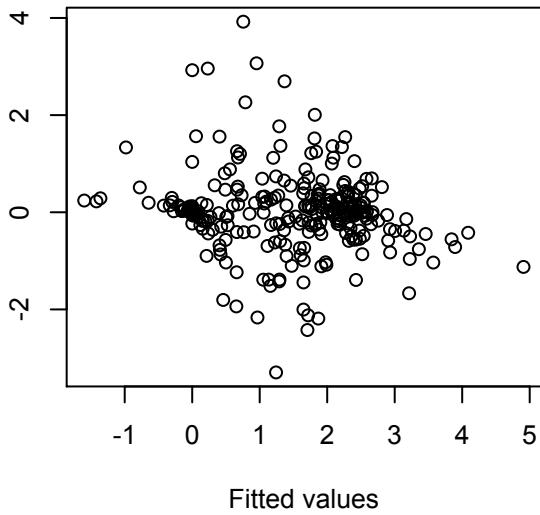
formula(Y.fixed, SECCa, Y.Ri, varComb(varIdent( |(1, Time)), varConstPower( H2O)), REML, I

Normalized Residuals



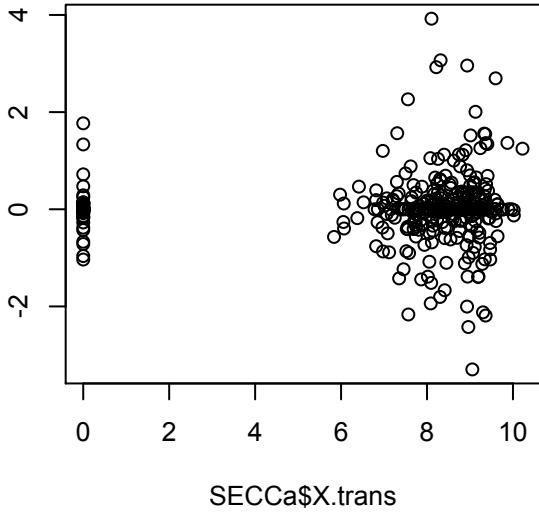
norm quantiles

Normalized Residuals



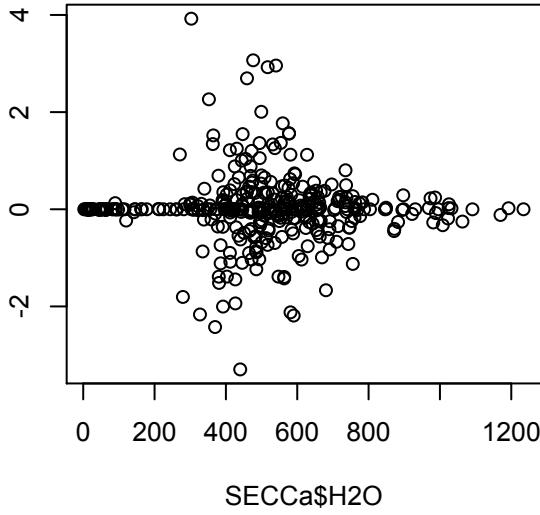
Fitted values

Normalized Residuals



SECCa\$X.trans

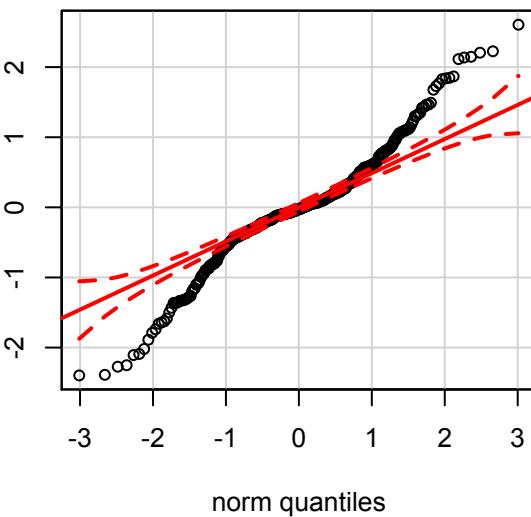
Normalized Residuals



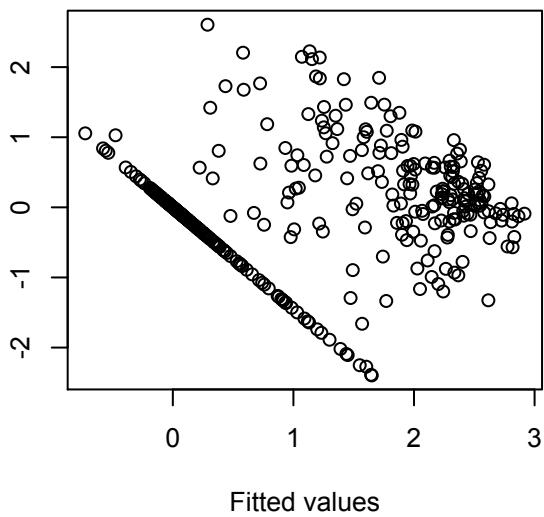
SECCa\$H2O

Ime.formula(Y.fixed, SECCa, Y.Ri, corExp( xE + yN, ), REML, lmd)

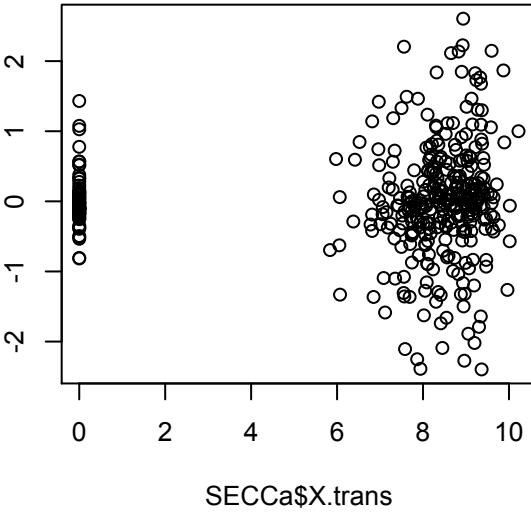
Standardized Residuals



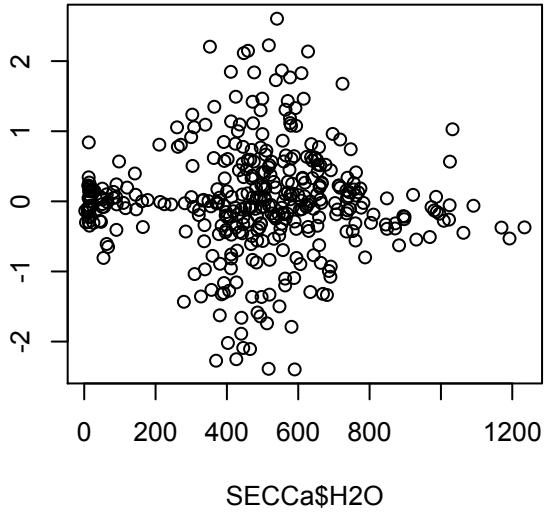
Standardized Residuals



Standardized Residuals

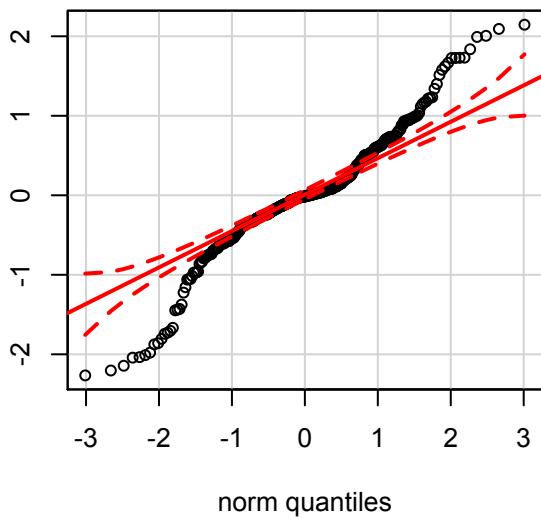


Standardized Residuals



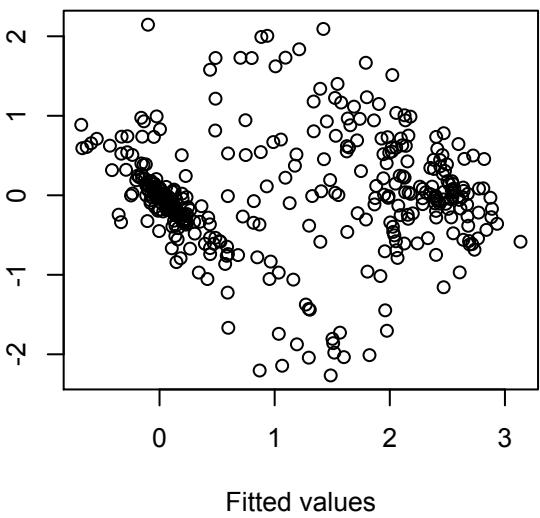
ula(Y.fixed, SECCa, Y.Ri, corAR1( |(1, Block/Time/Chamber/Frag)), varIdent( |(1, Block)), RE

Normalized Residuals



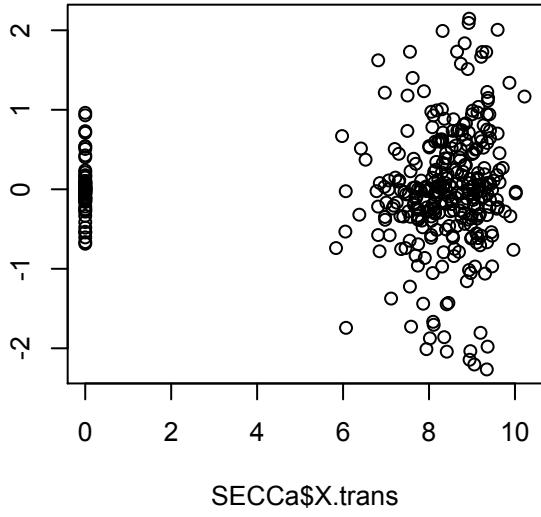
norm quantiles

Normalized Residuals



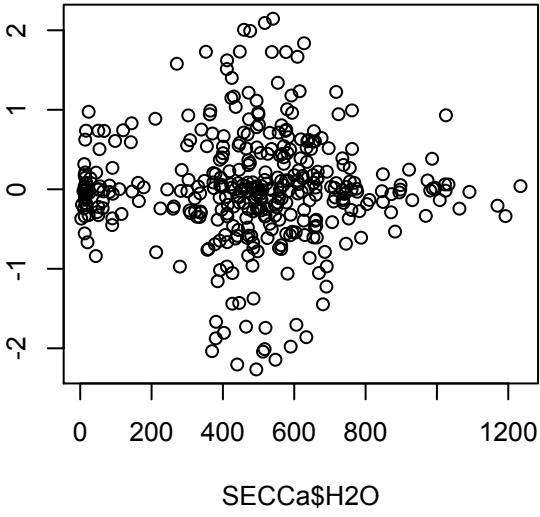
Fitted values

Normalized Residuals



SECCa\$X.trans

Normalized Residuals



SECCa\$H2O