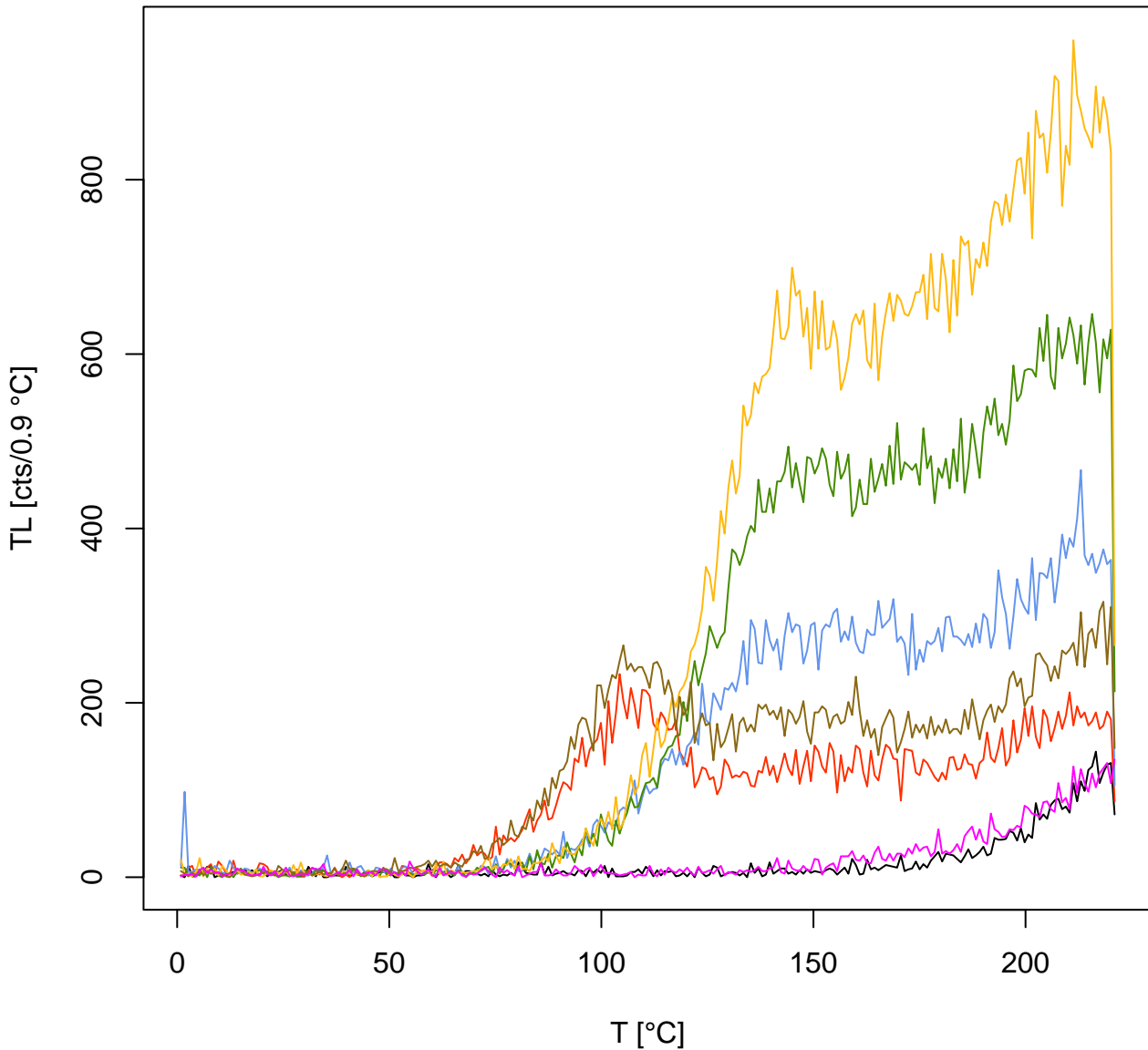


Pseudo pIRIR data set based on quartz OSL

TL
pseudoIRSL1
pseudoIRSL2

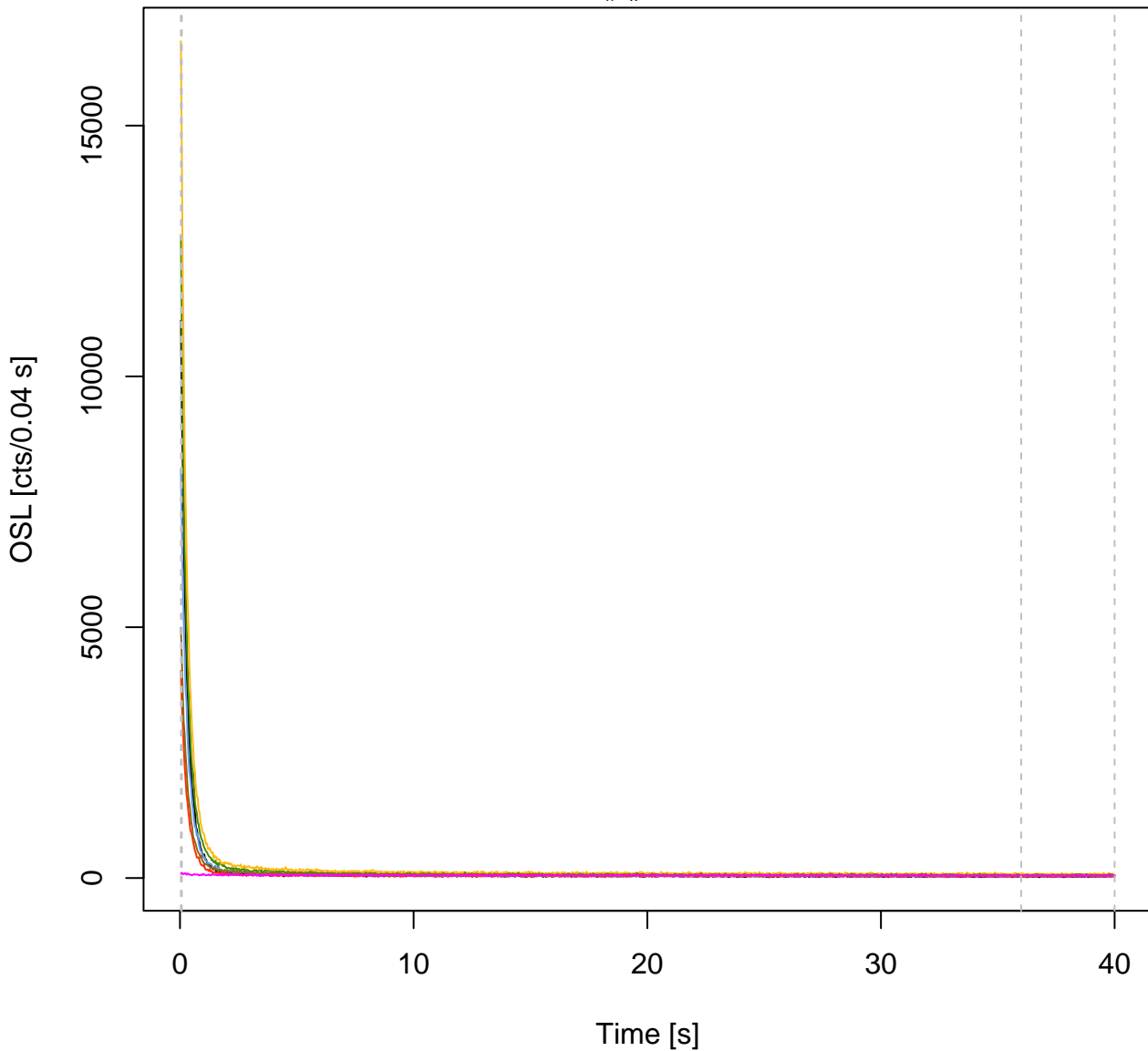
Pseudo pIR data set based on quartz OSL

TL previous L_n, L_x curves



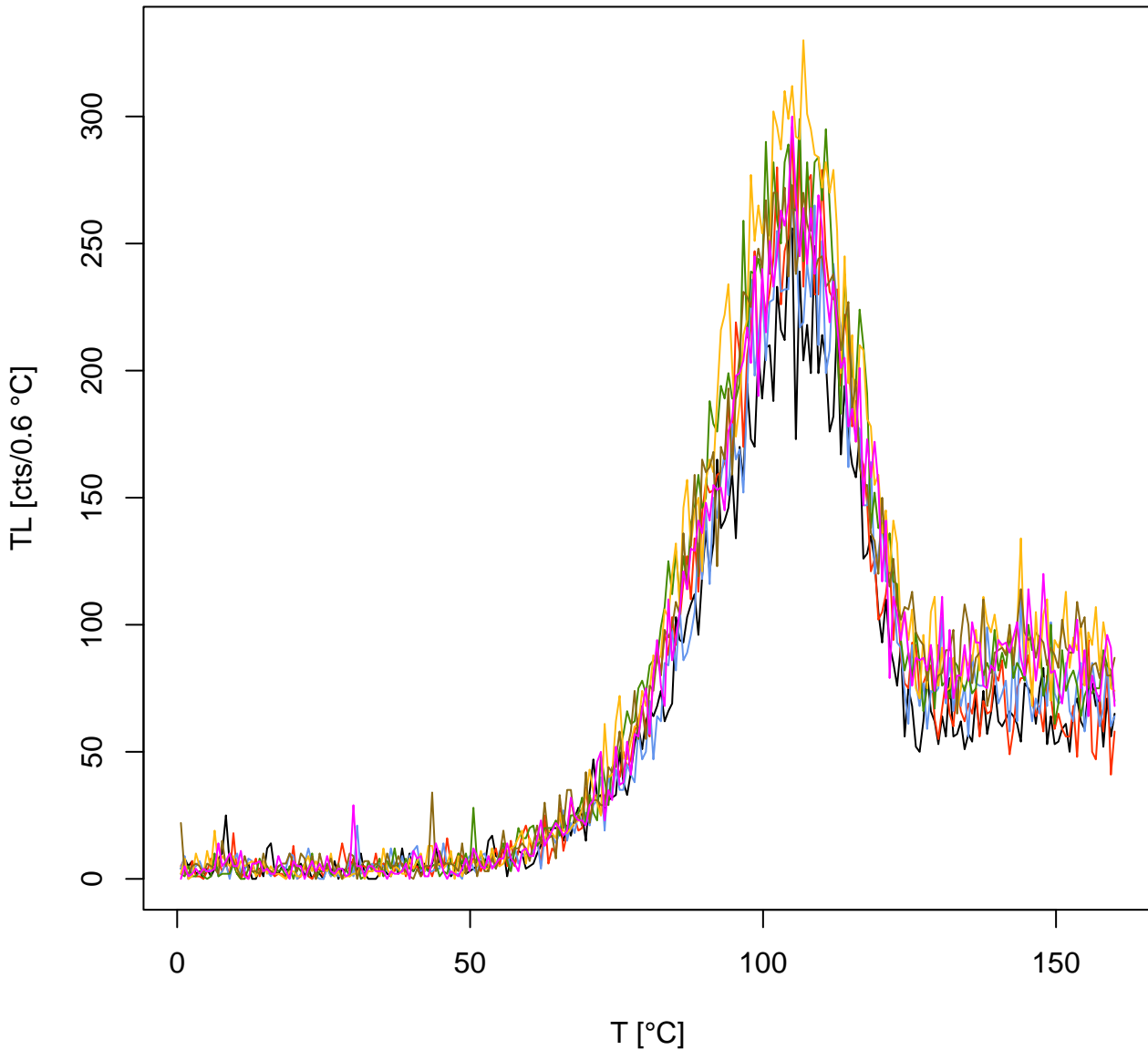
Pseudo pIRIR data set based on quartz OSL

L_n, L_x curves



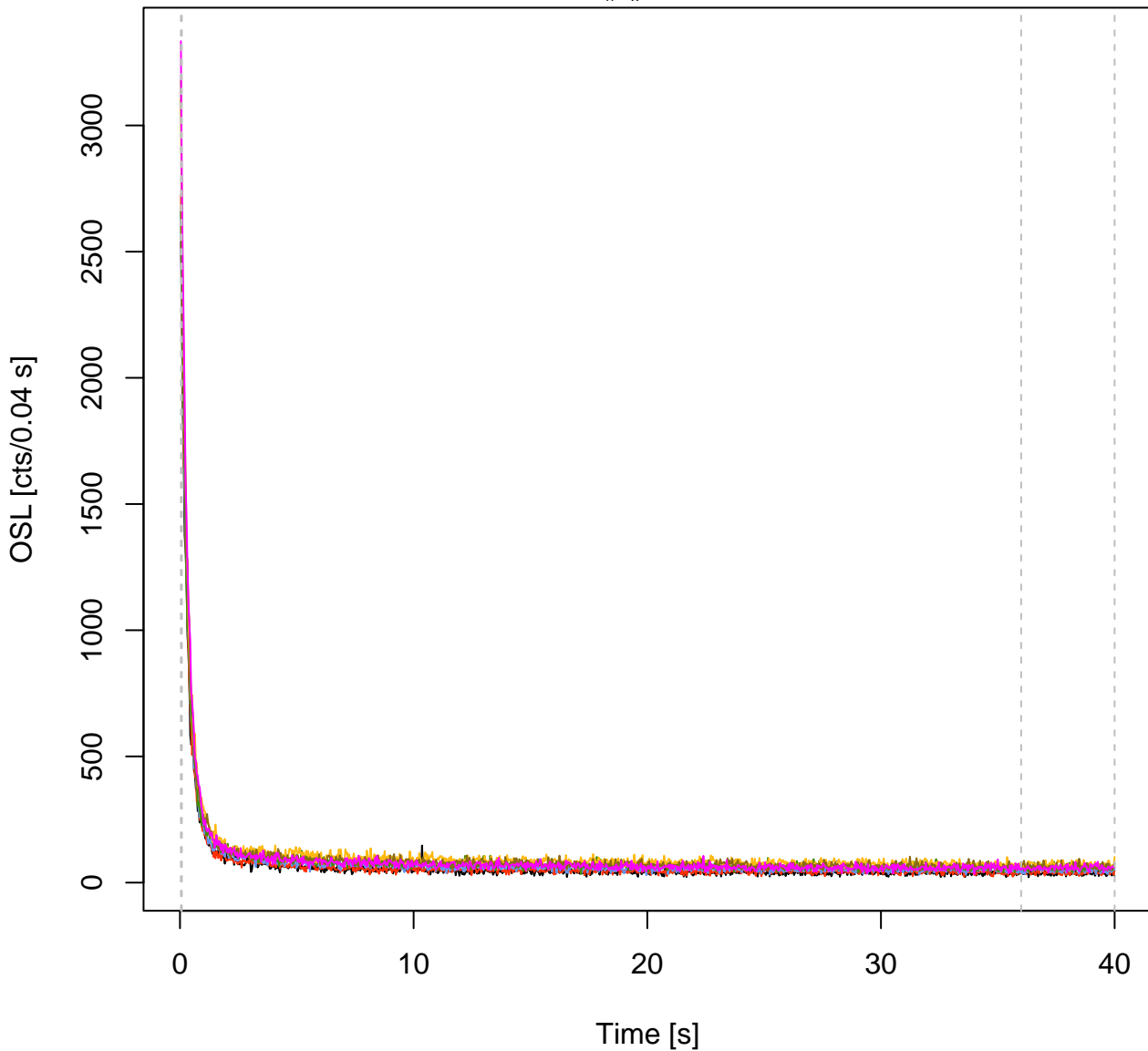
Pseudo pIRIR data set based on quartz OSL

TL previous T_n, T_x curves



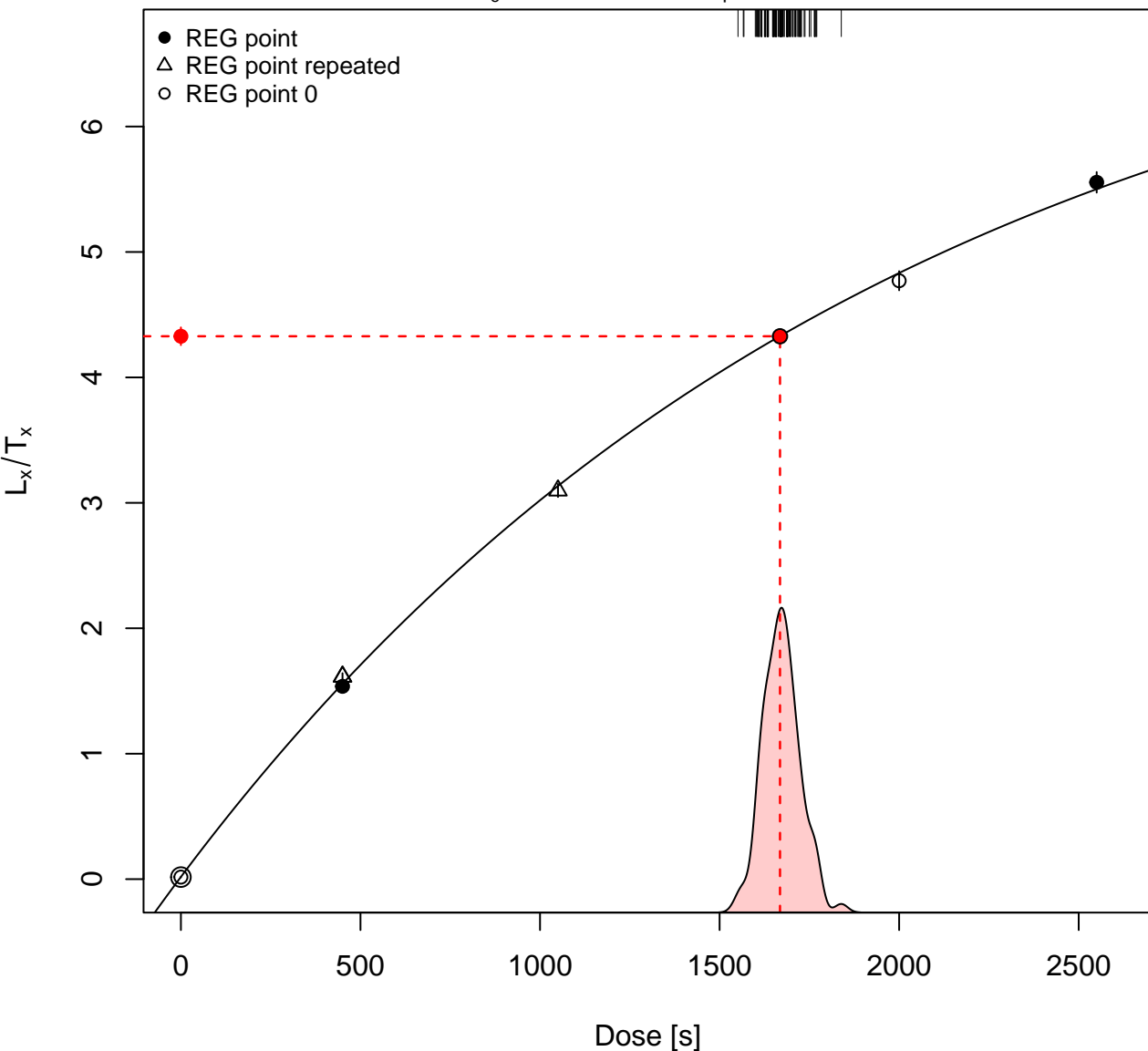
Pseudo pIRIR data set based on quartz OSL

T_n, T_x curves



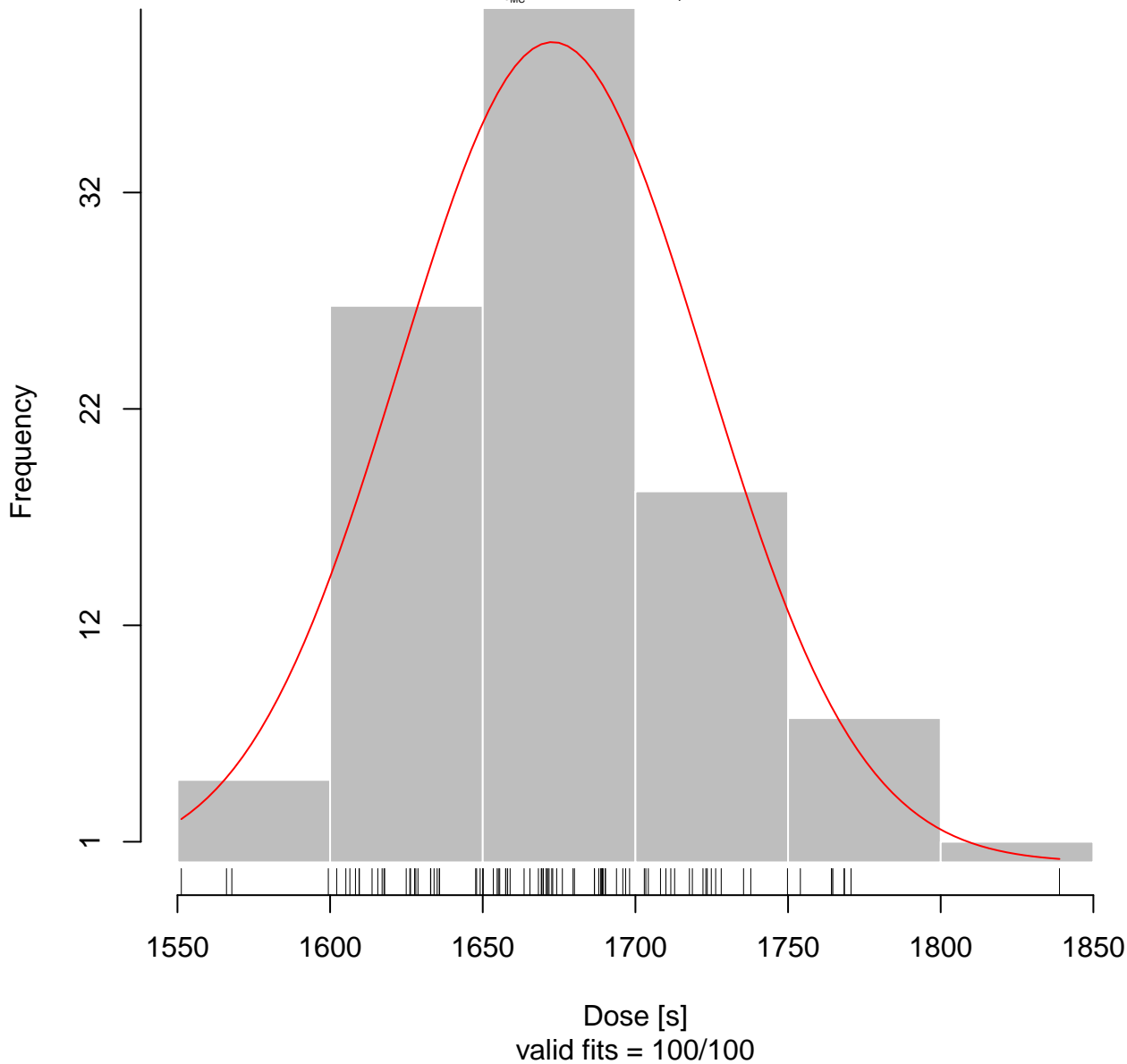
Pseudo pIRIR data set based on quartz OSL

$D_e = 1668.25 \pm 5e+01$ | fit: EXP

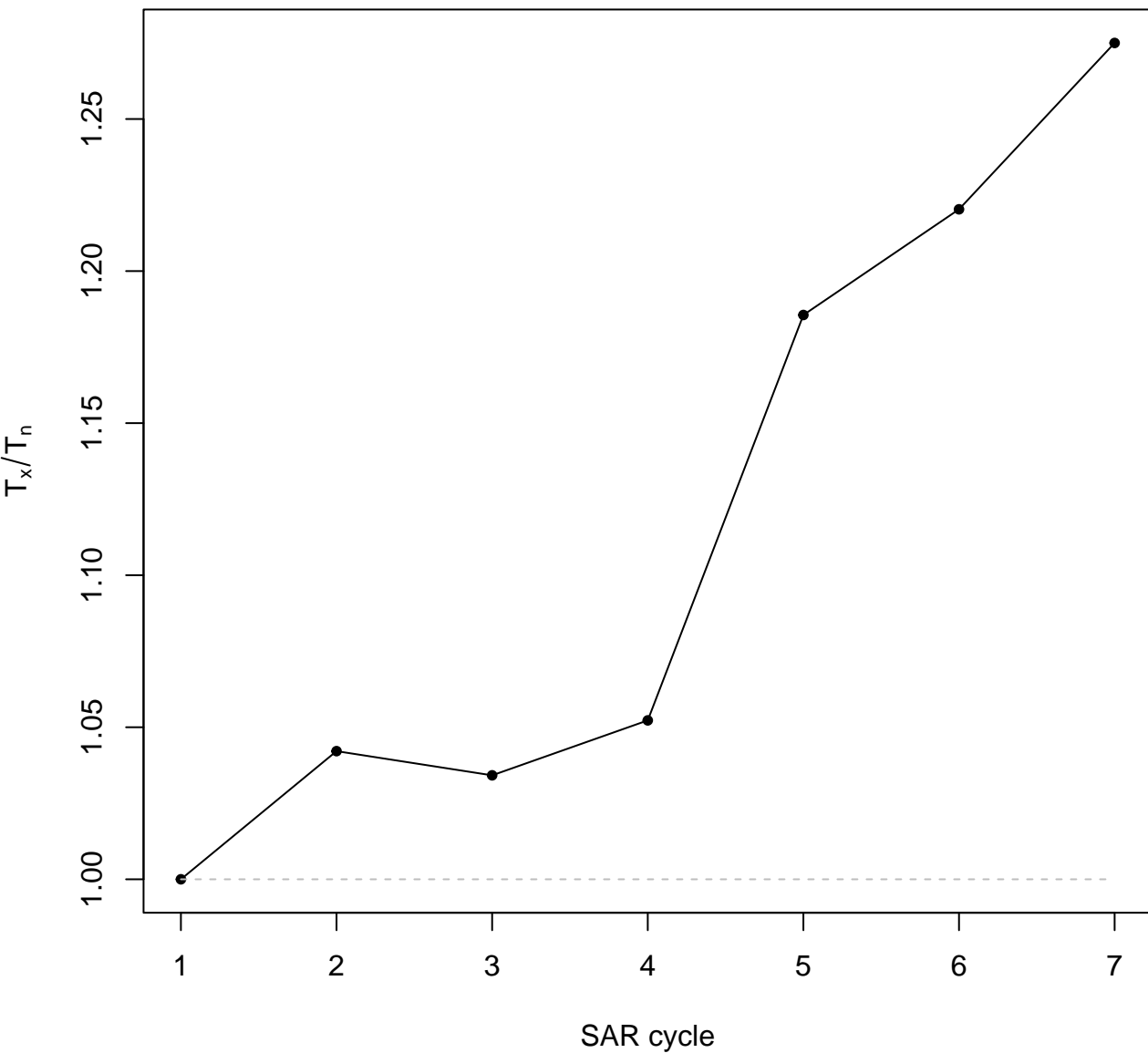


MC runs

$D_{\text{EMC}} = 1672.85 \pm 5e+01$ | diff. = 0.3 %

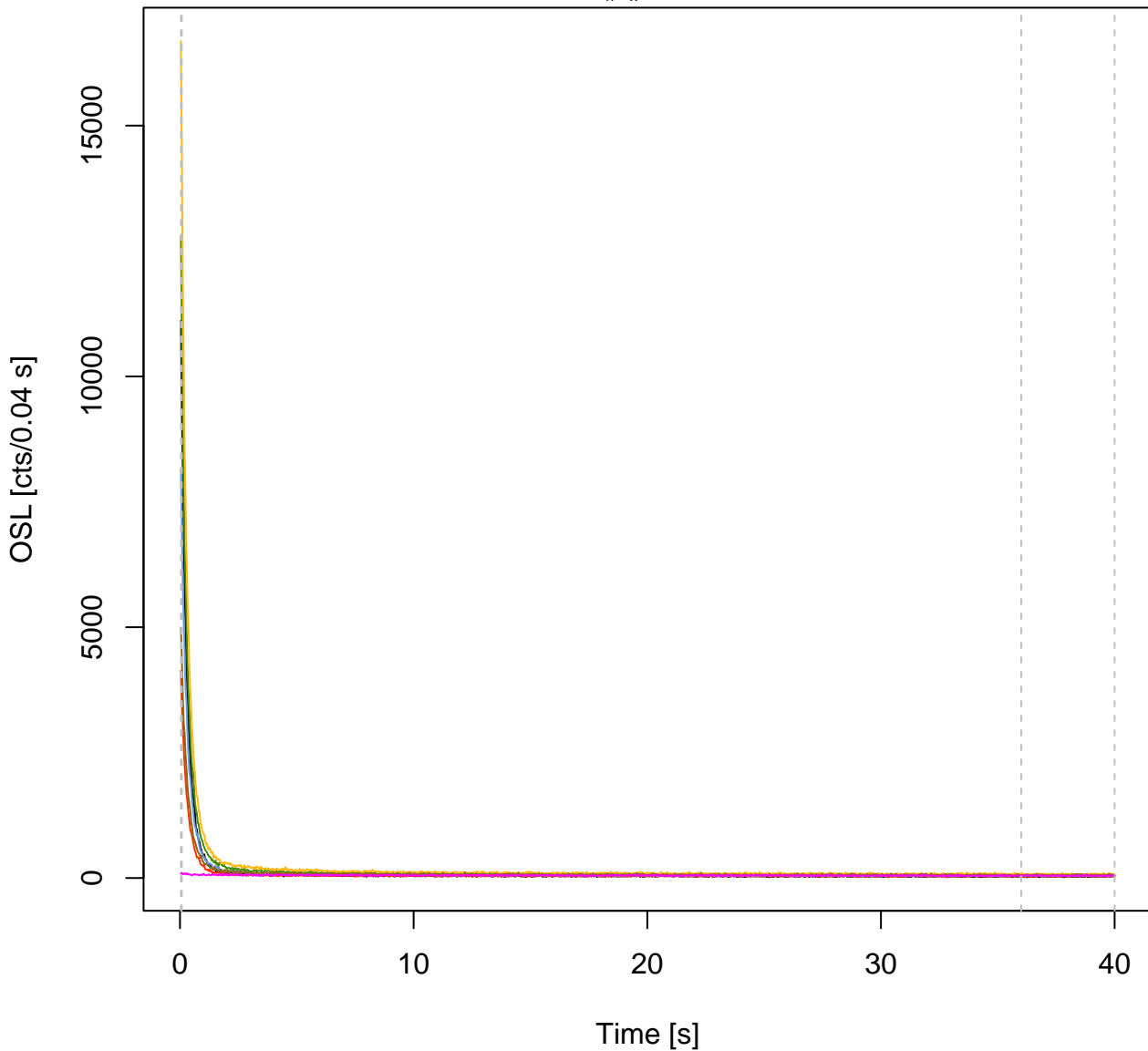


Test-dose response



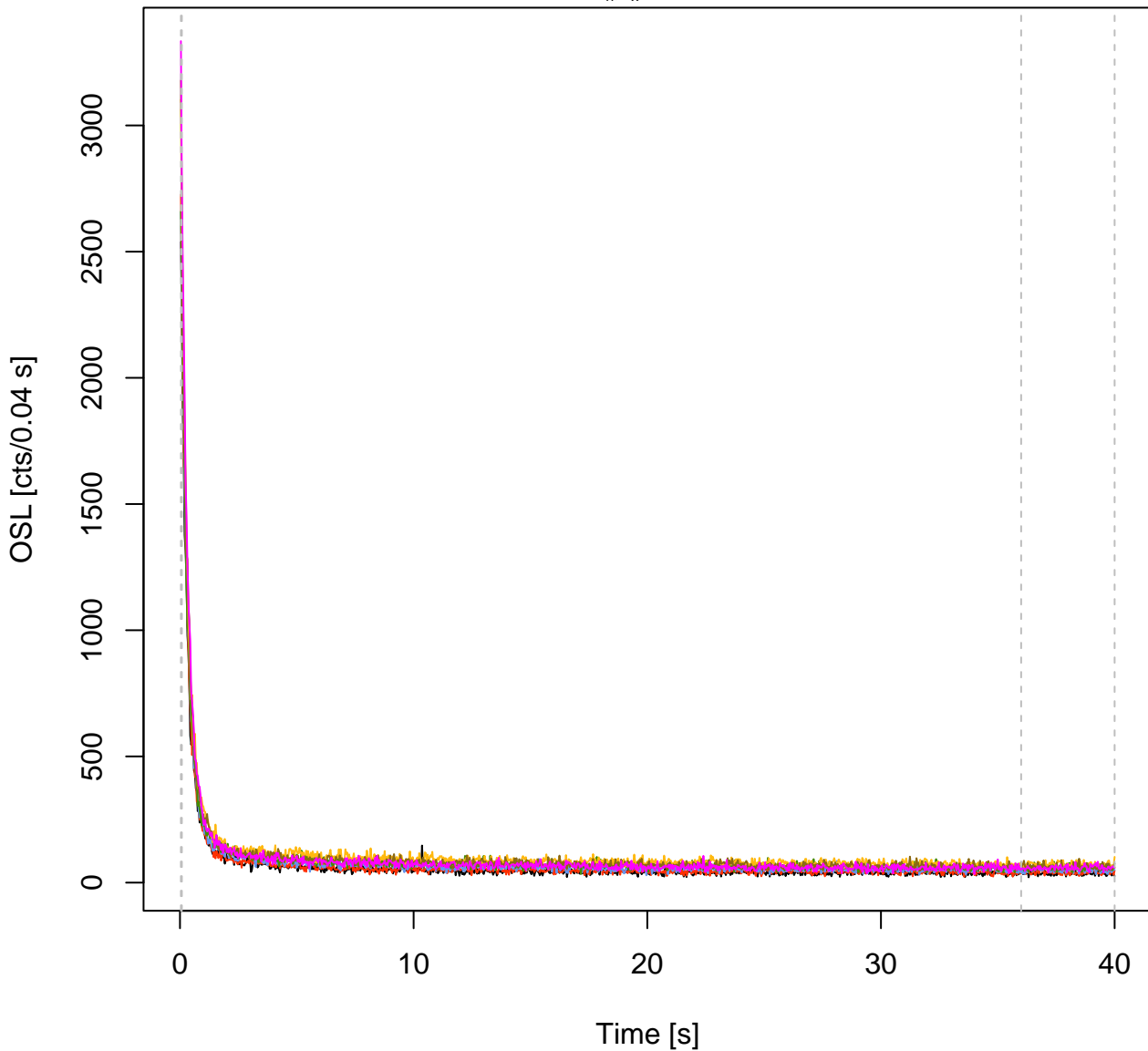
Pseudo pIRIR data set based on quartz OSL

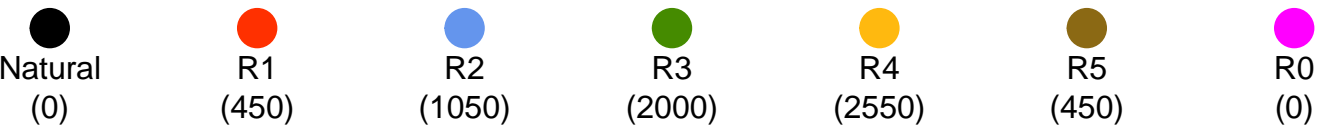
L_n, L_x curves



Pseudo pIRIR data set based on quartz OSL

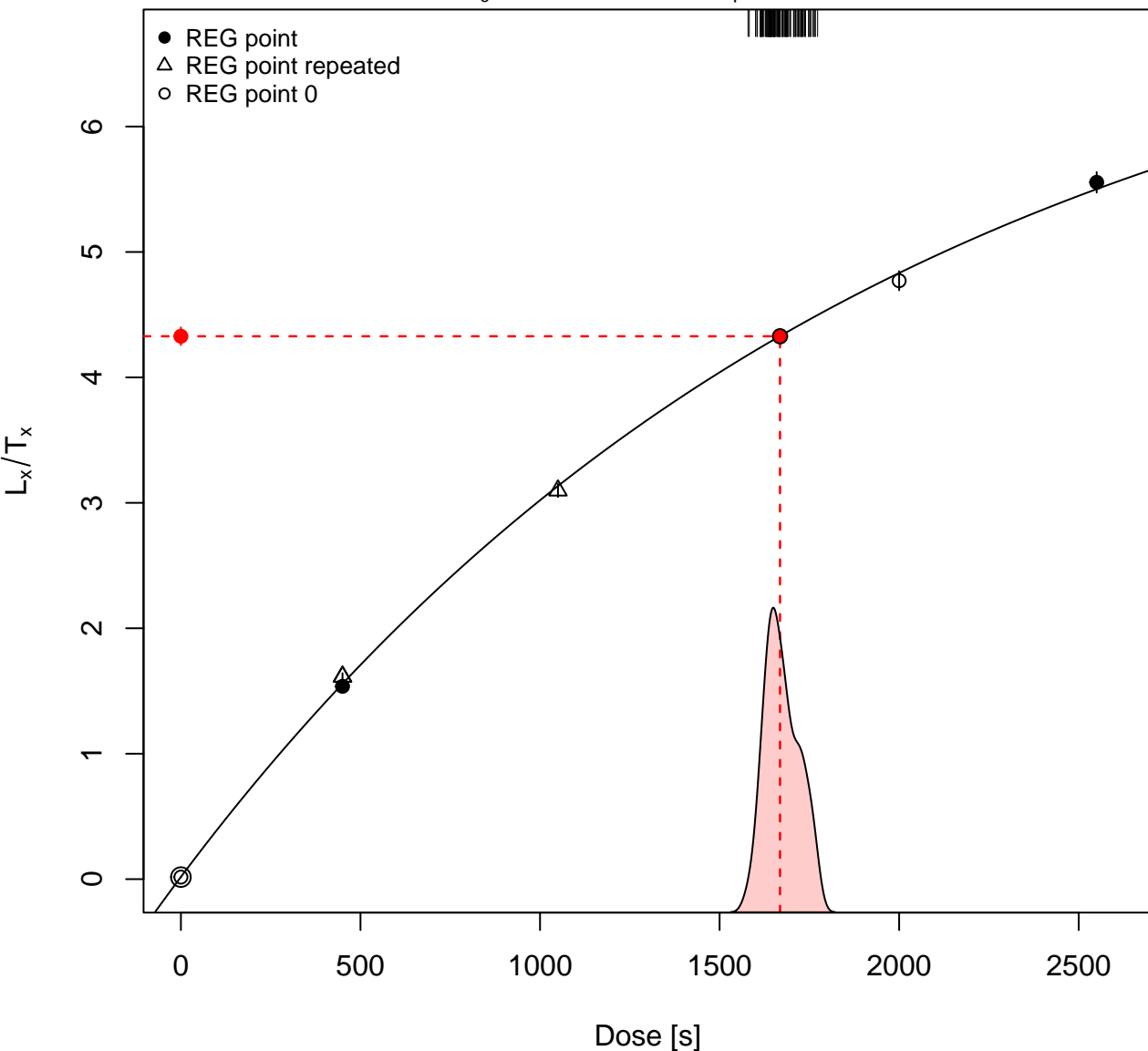
T_n, T_x curves





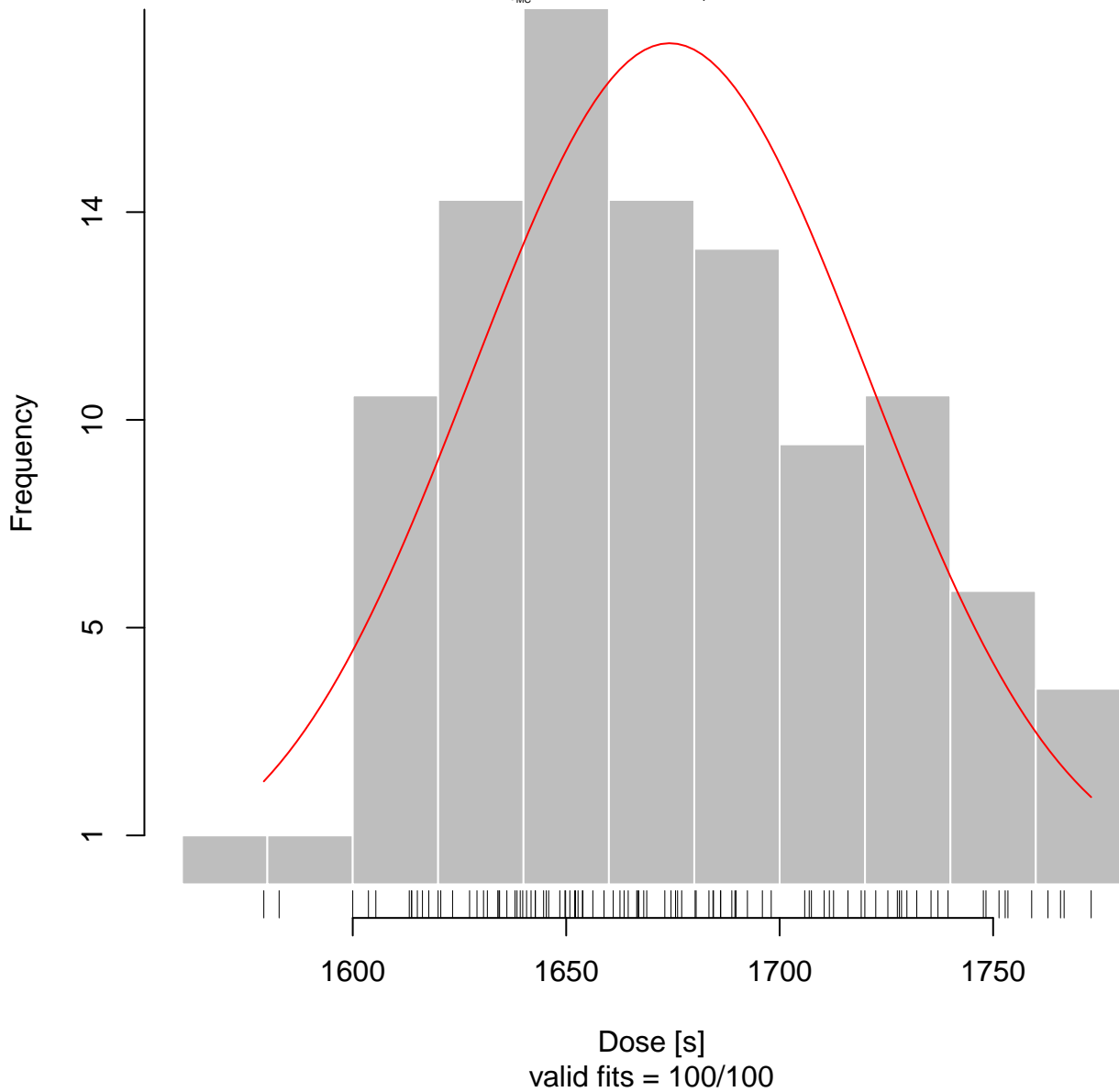
Pseudo pIRIR data set based on quartz OSL

$D_e = 1668.25 \pm 4.6e+01$ | fit: EXP

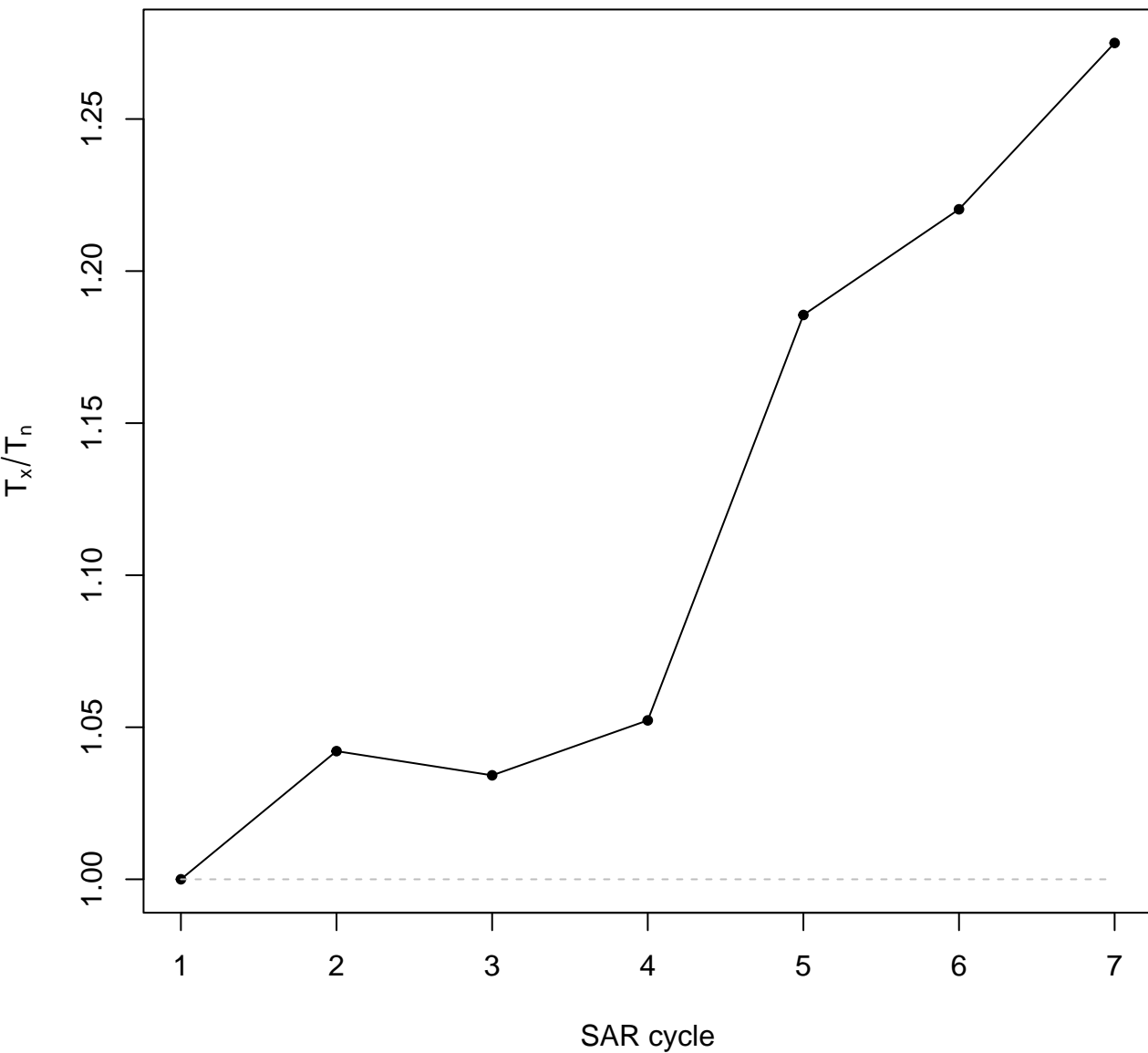


MC runs

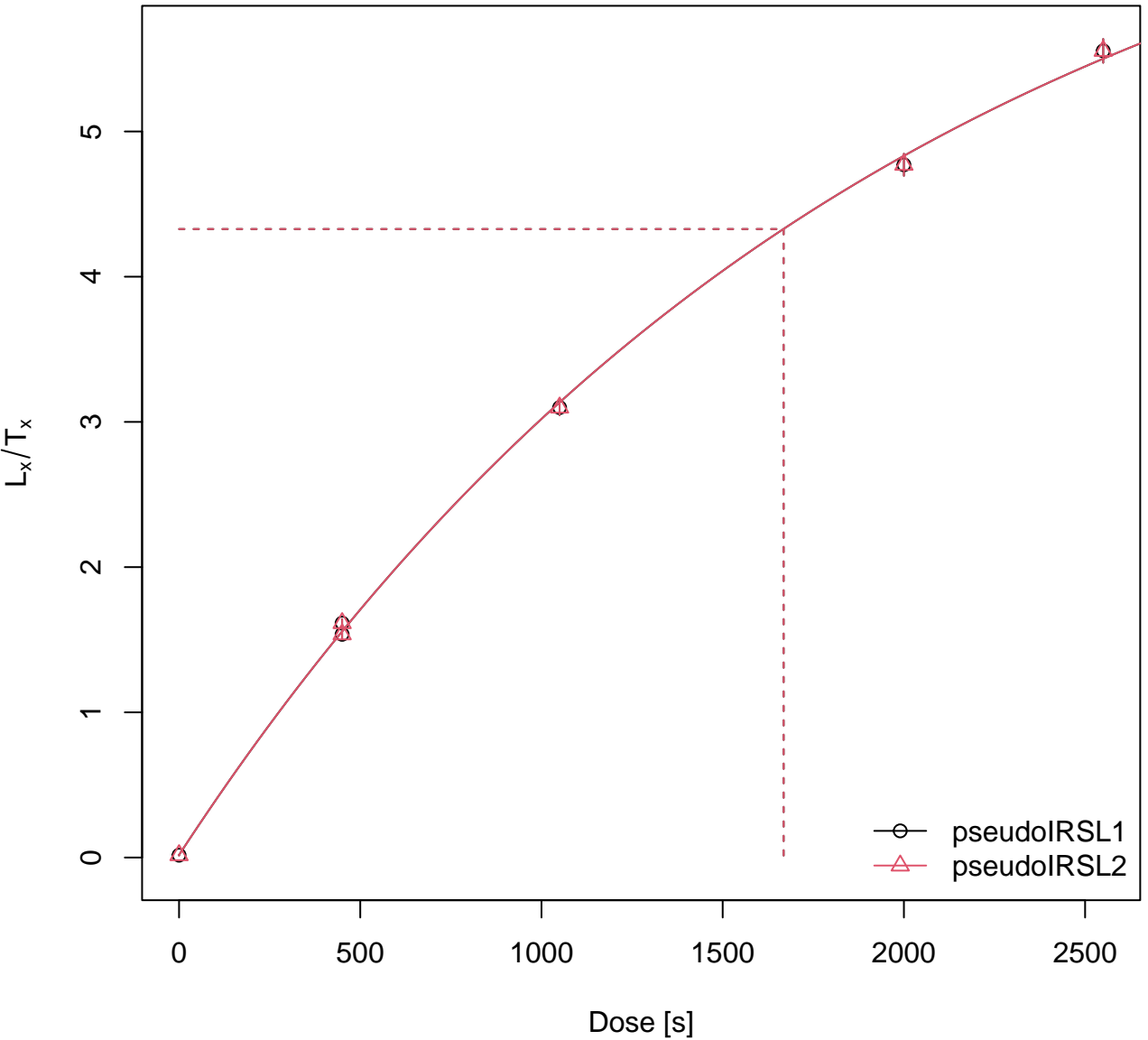
$D_{\text{eMC}} = 1674.23 \pm 4.6\text{e}+01$ | diff. = 0.4 %



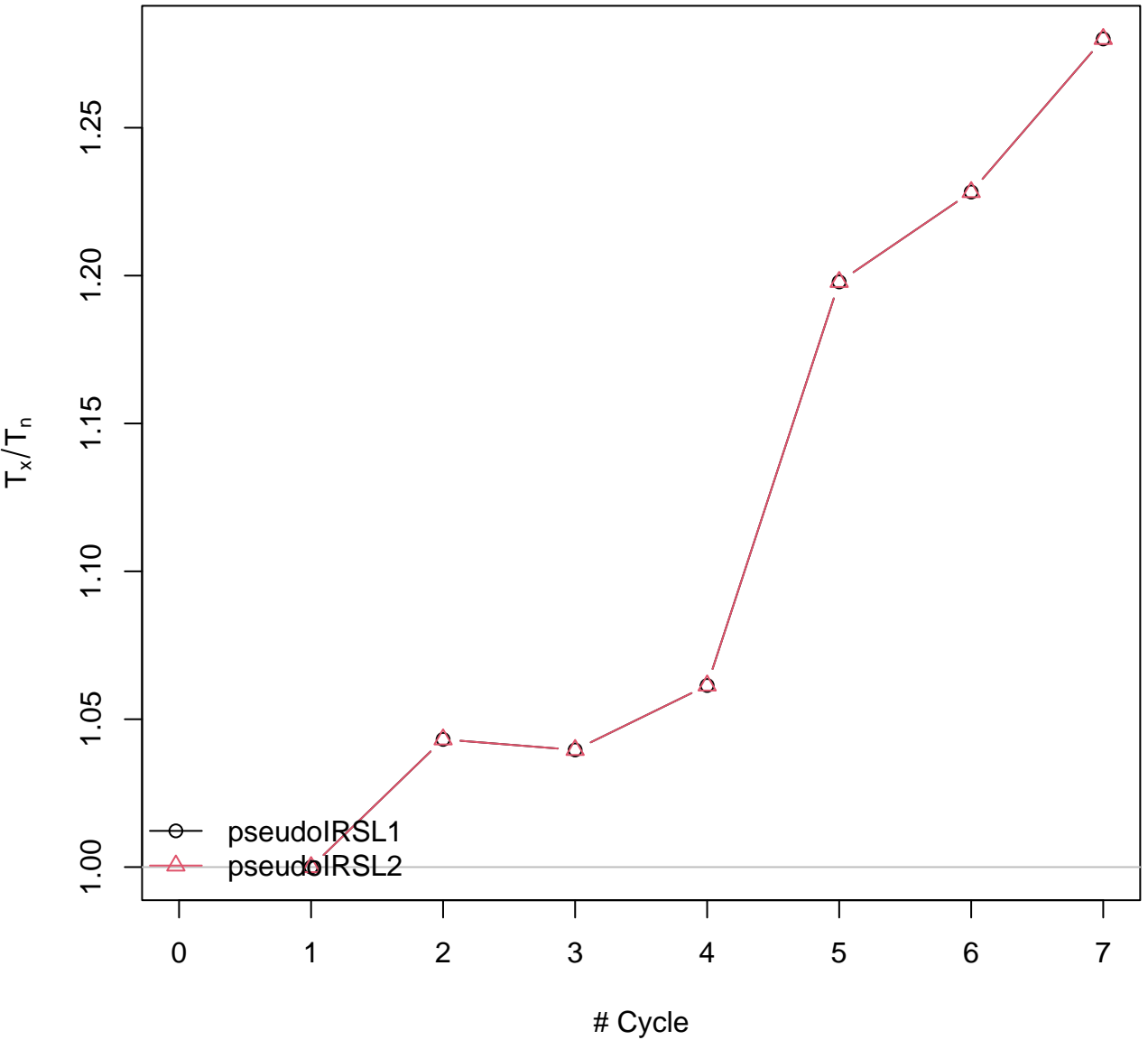
Test-dose response



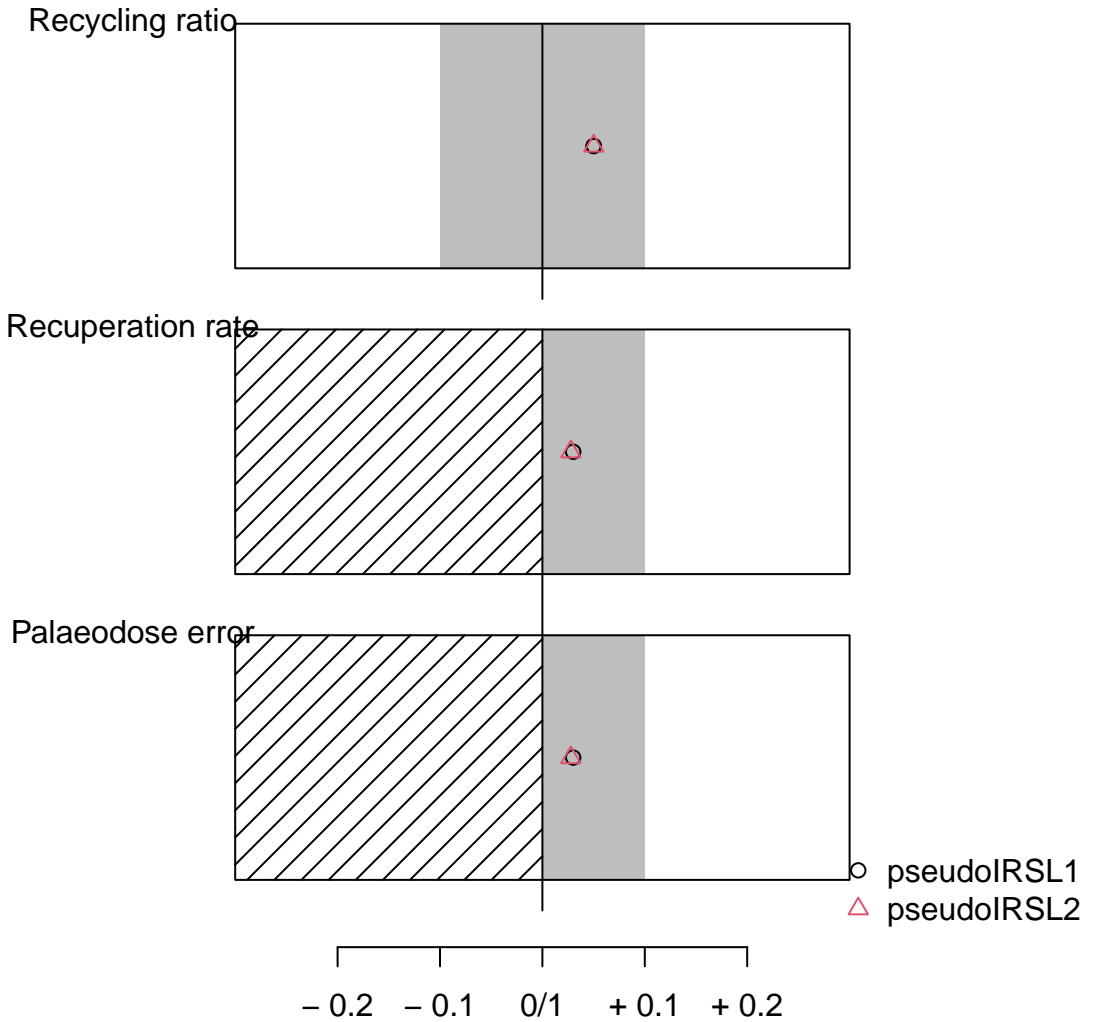
Summarised Dose Response Curves



Sensitivity change

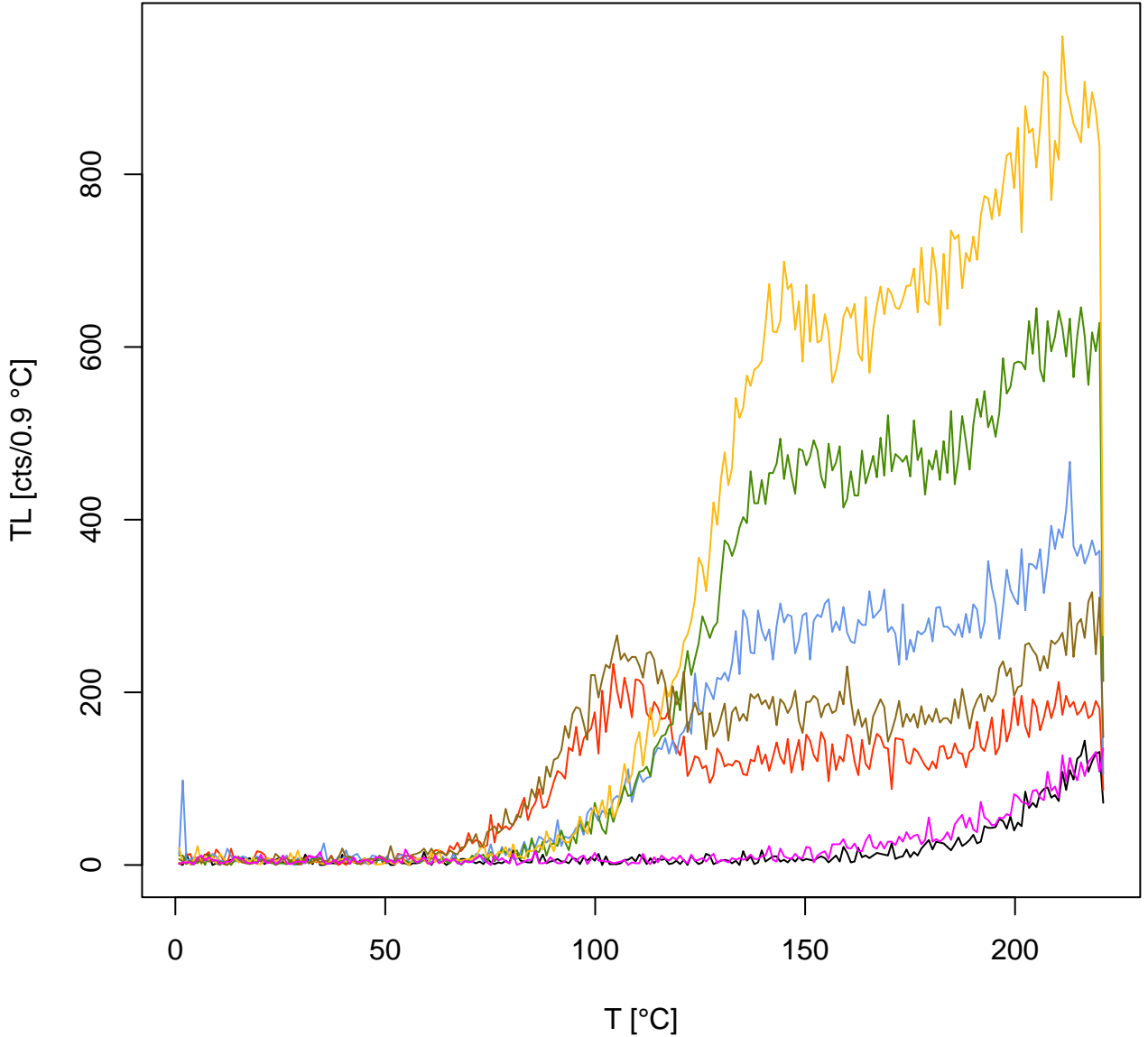


Rejection criteria

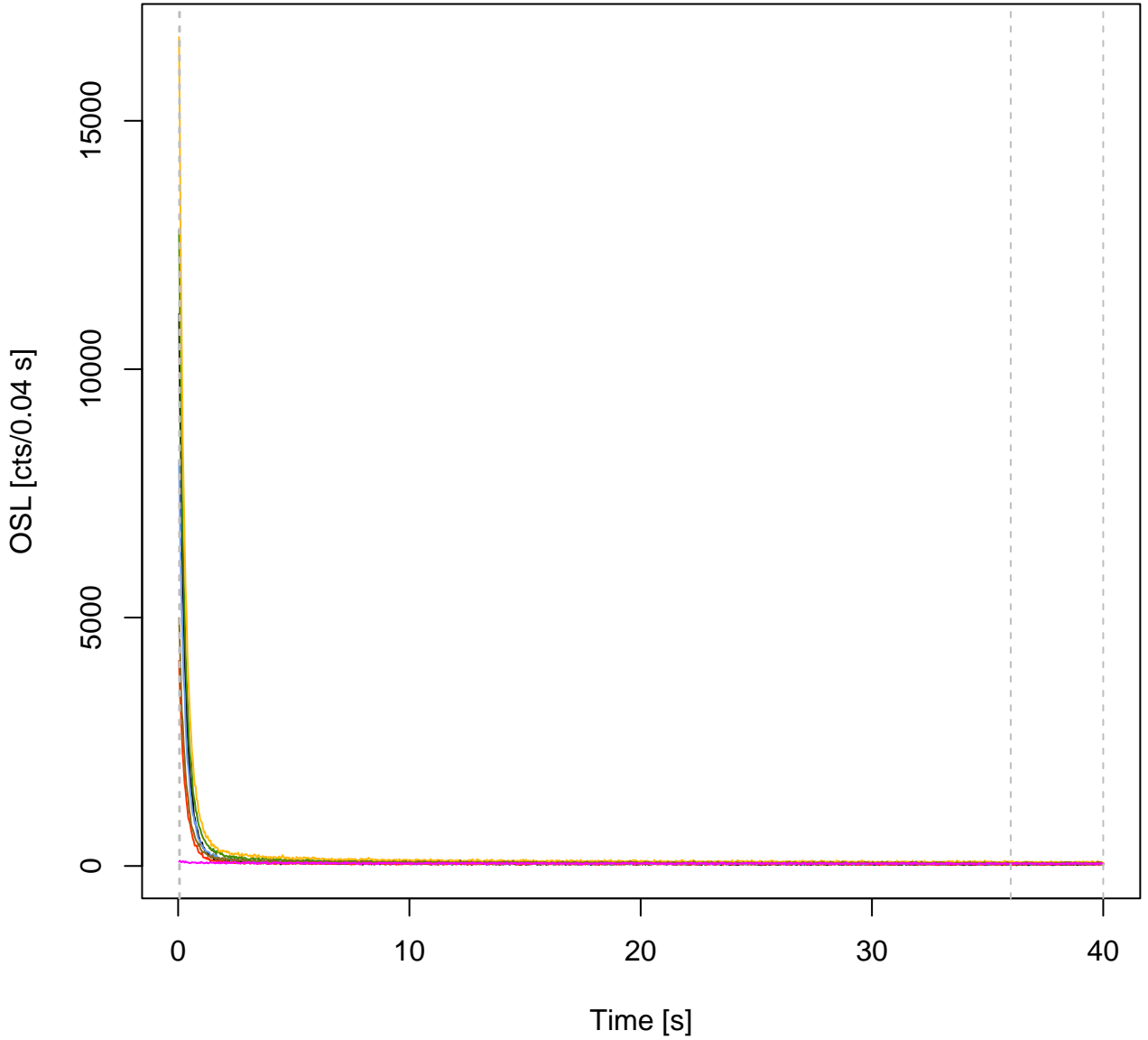


TL
IR50
pIRIR225

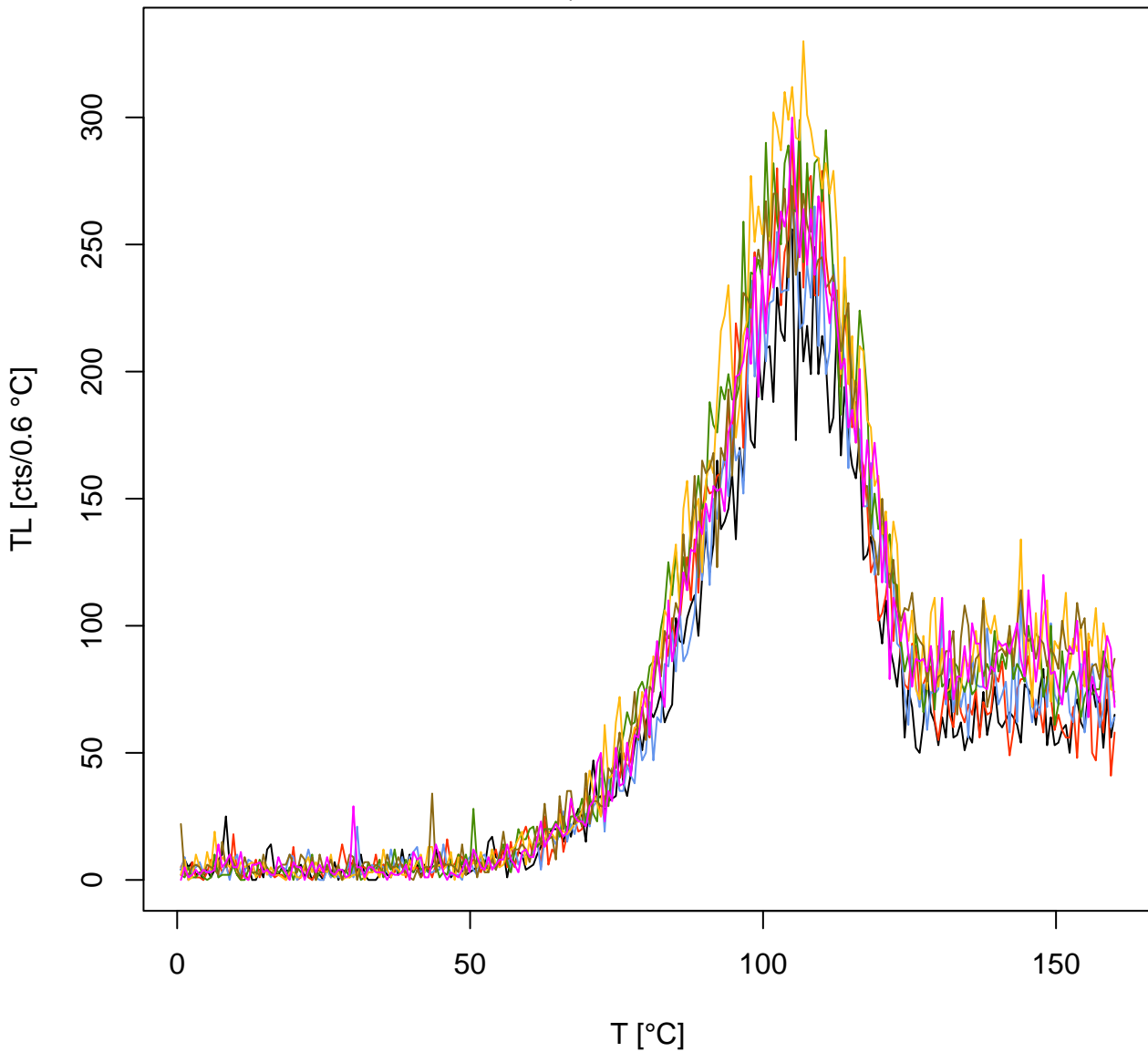
TL previous L_n, L_x curves



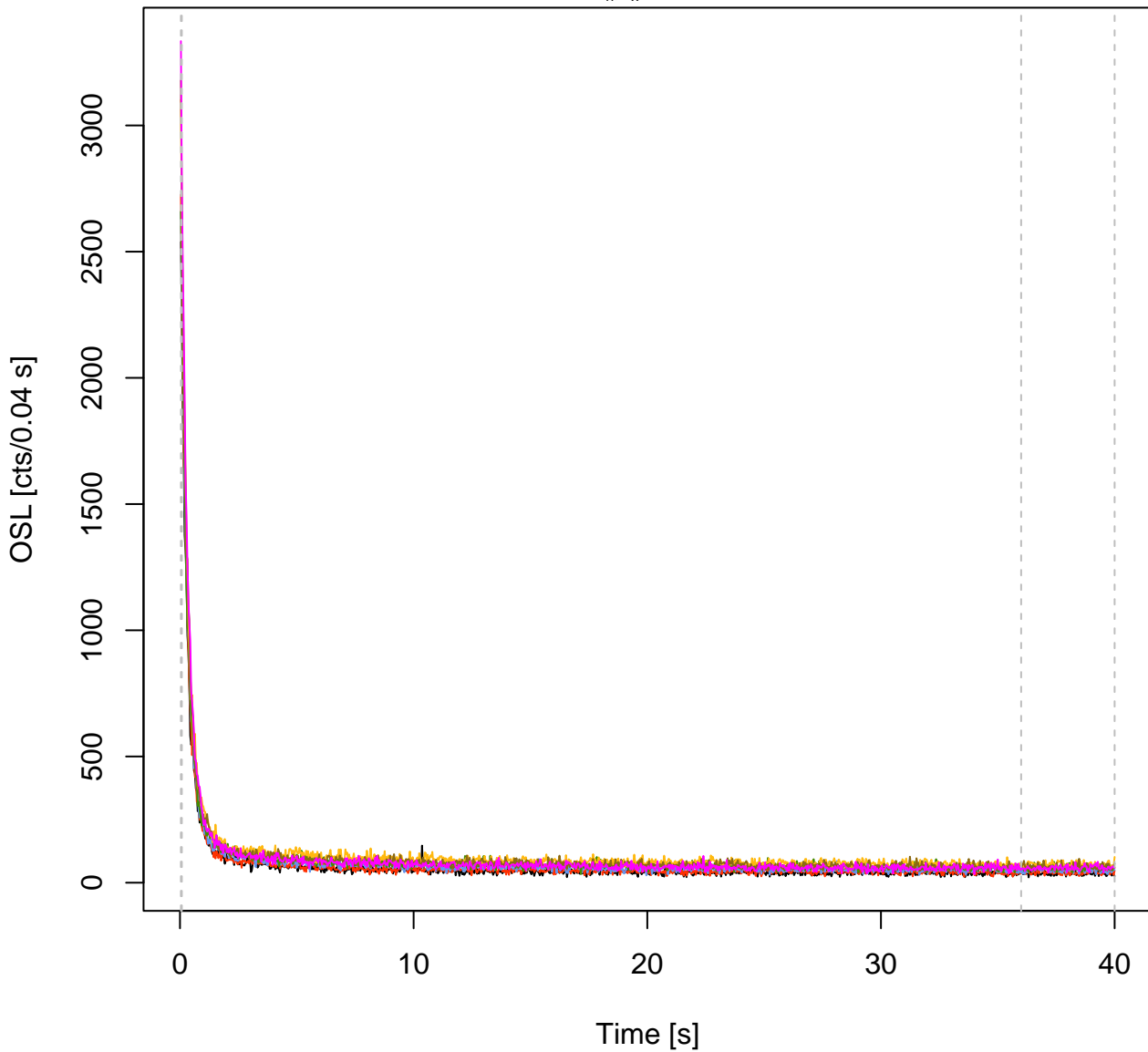
L_n, L_x curves

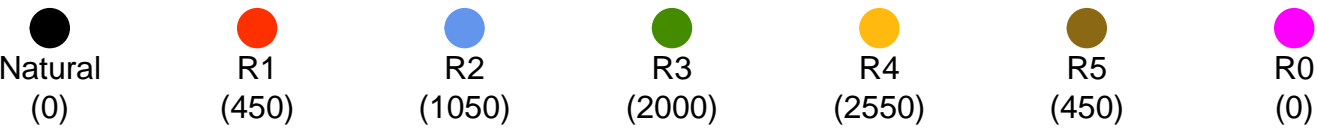


TL previous T_n, T_x curves



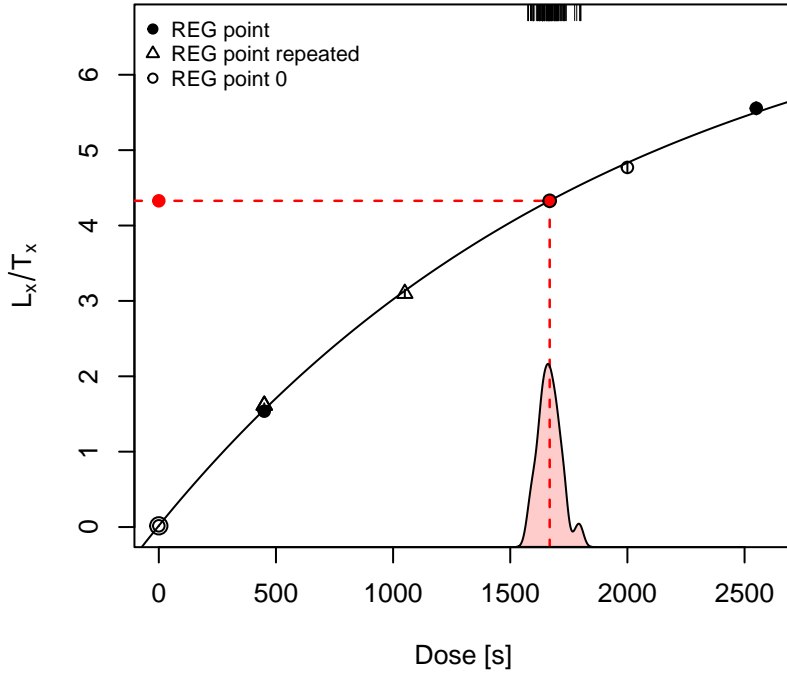
T_n, T_x curves



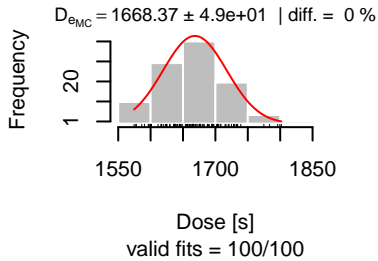


Dose-response curve

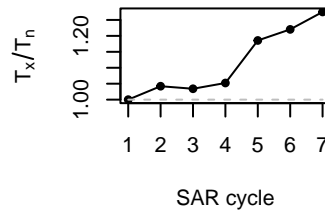
$D_e = 1668.25 \pm 4.9e+01$ | fit: EXP



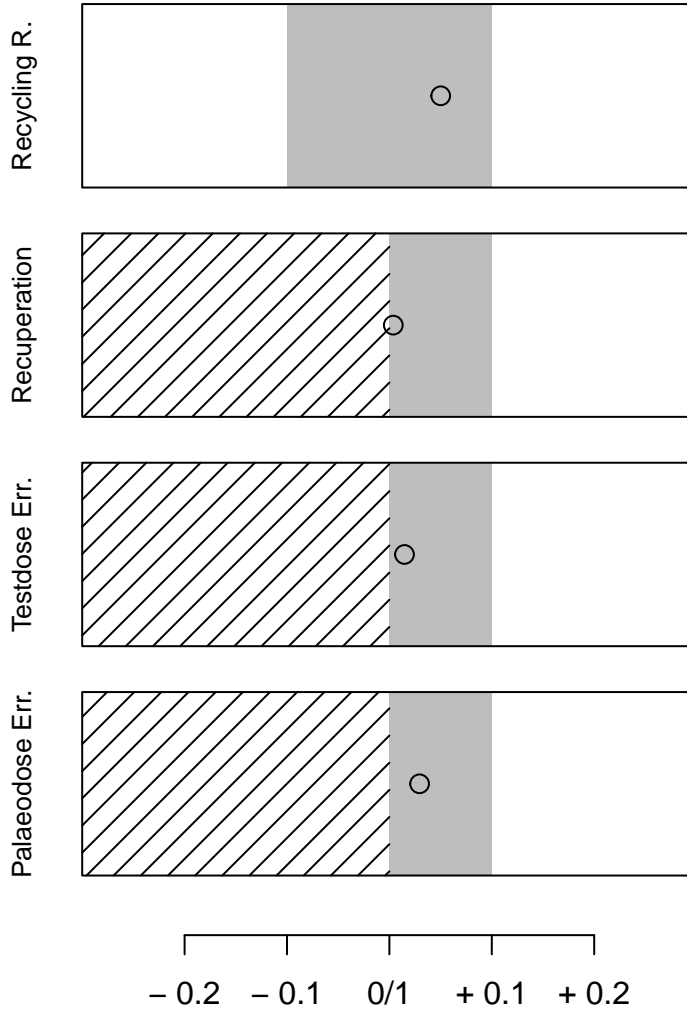
MC runs



Test-dose response

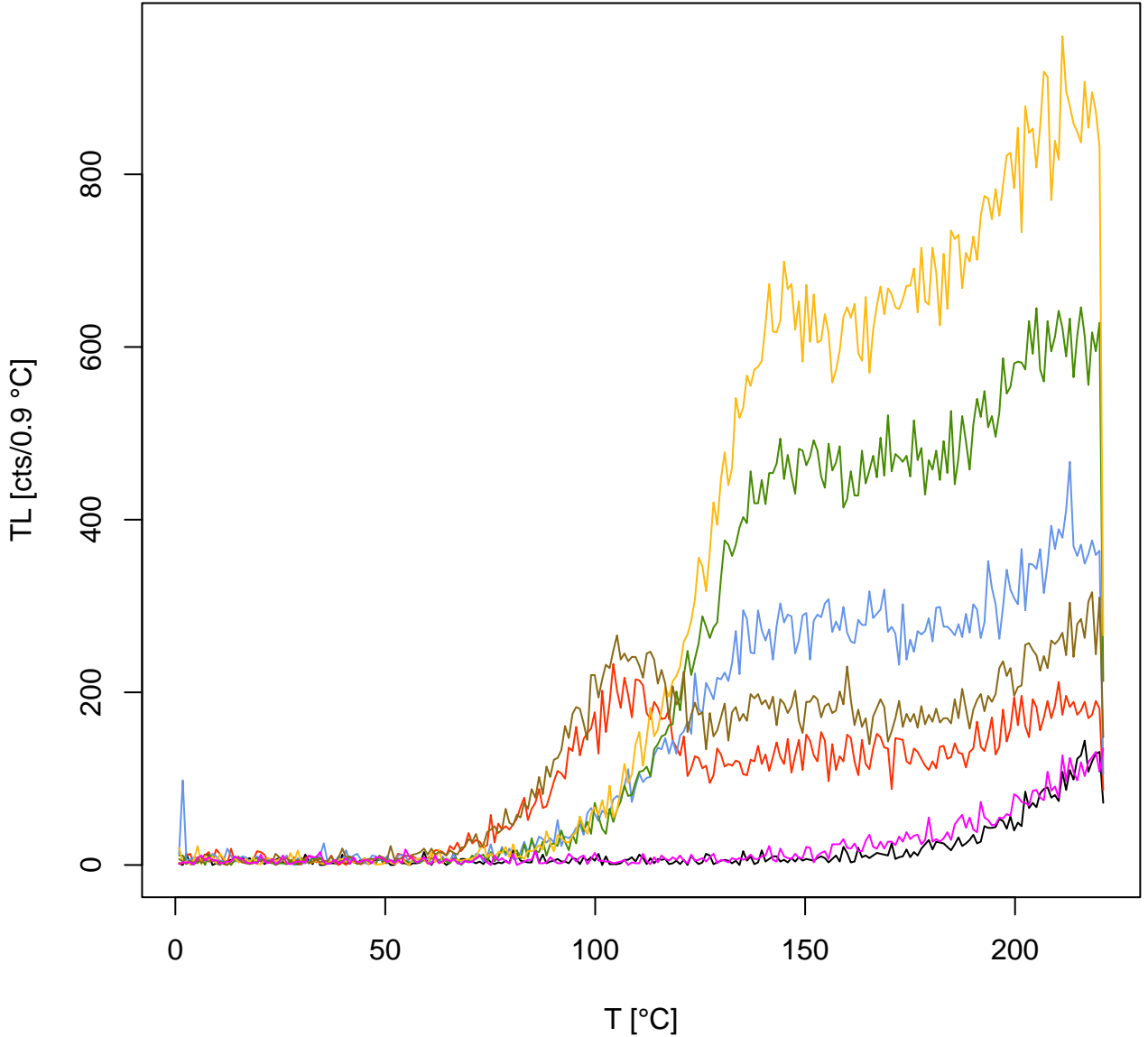


Rejection criteria

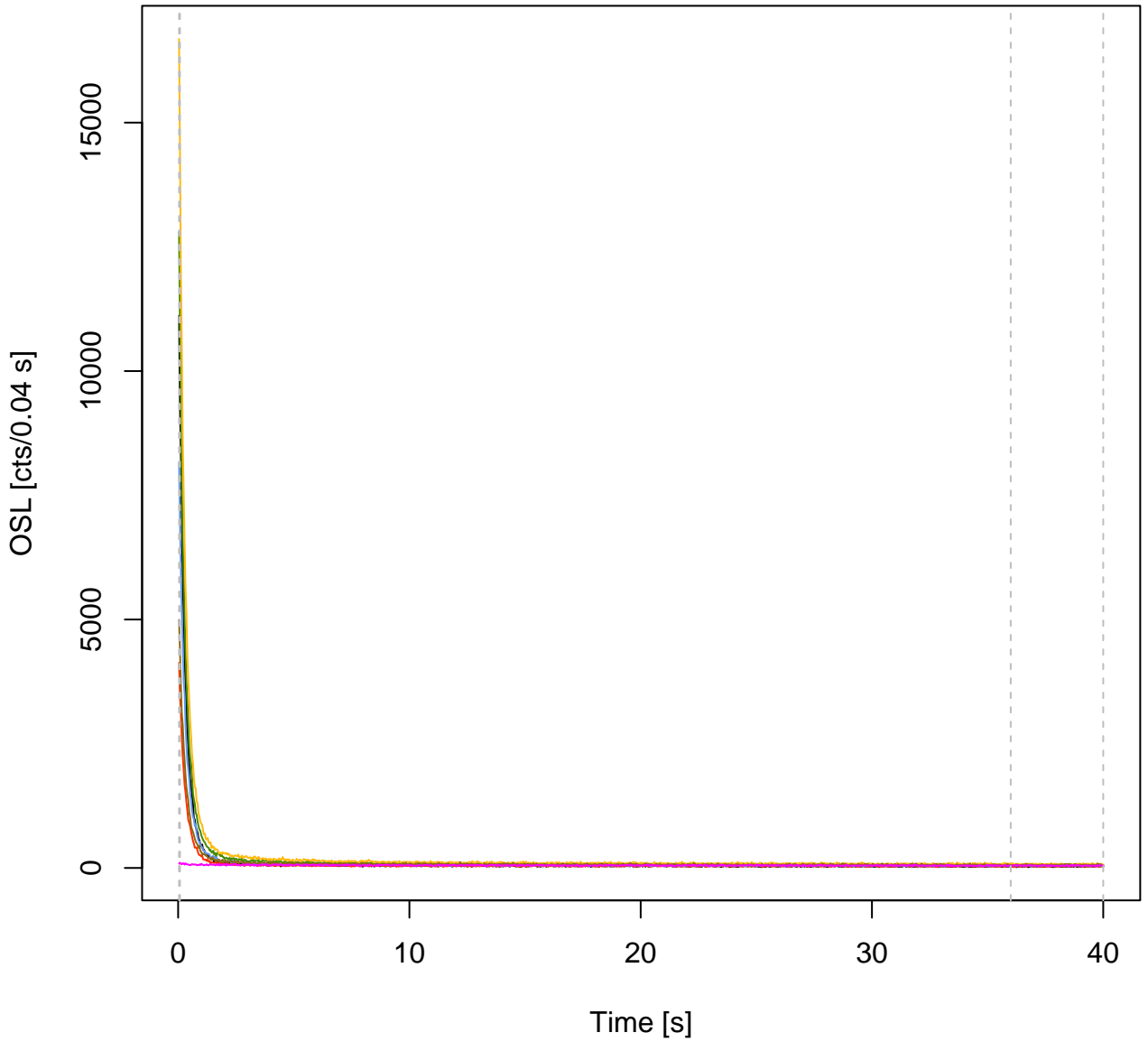


No IRSL curve detected!

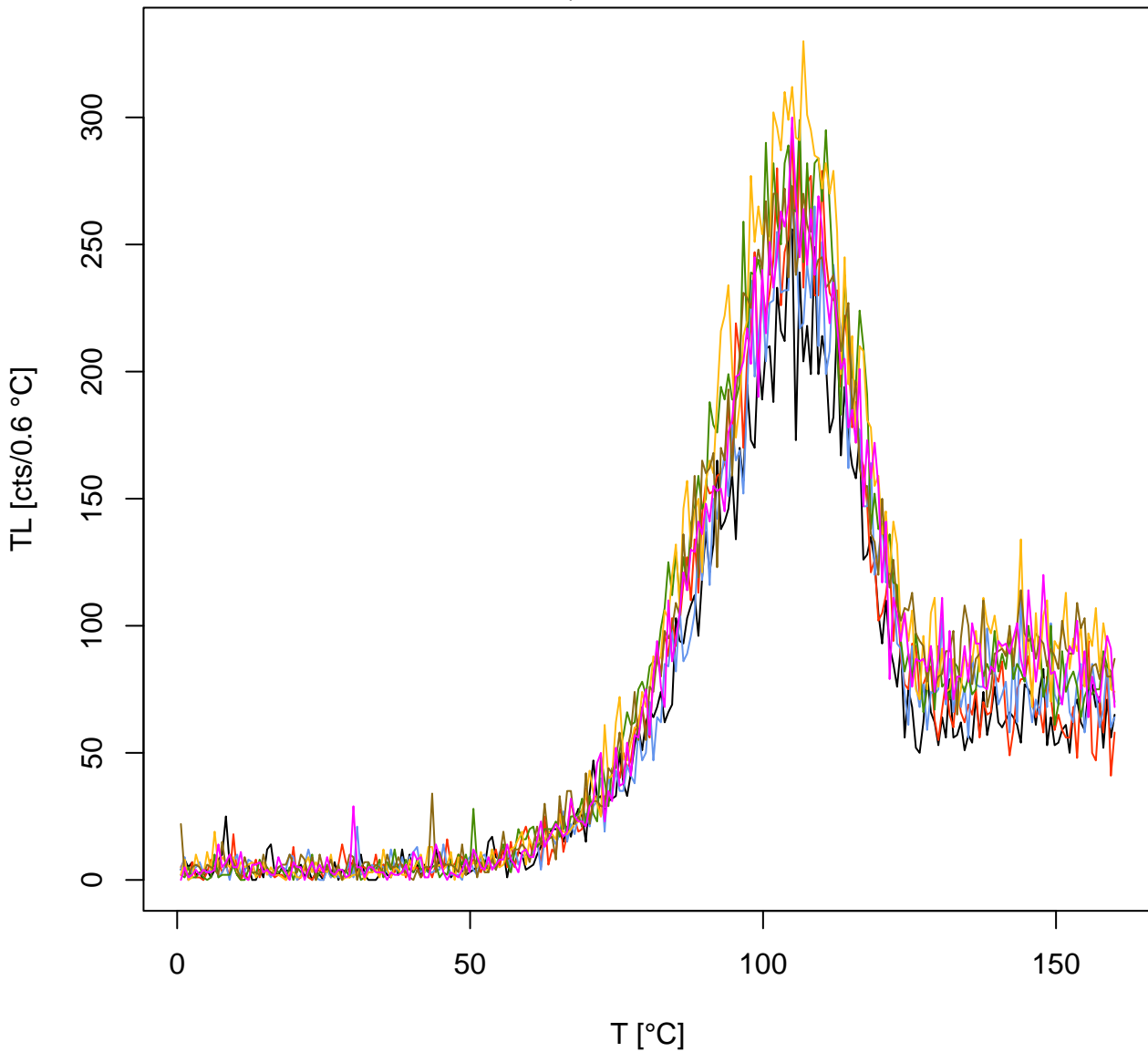
TL previous L_n, L_x curves



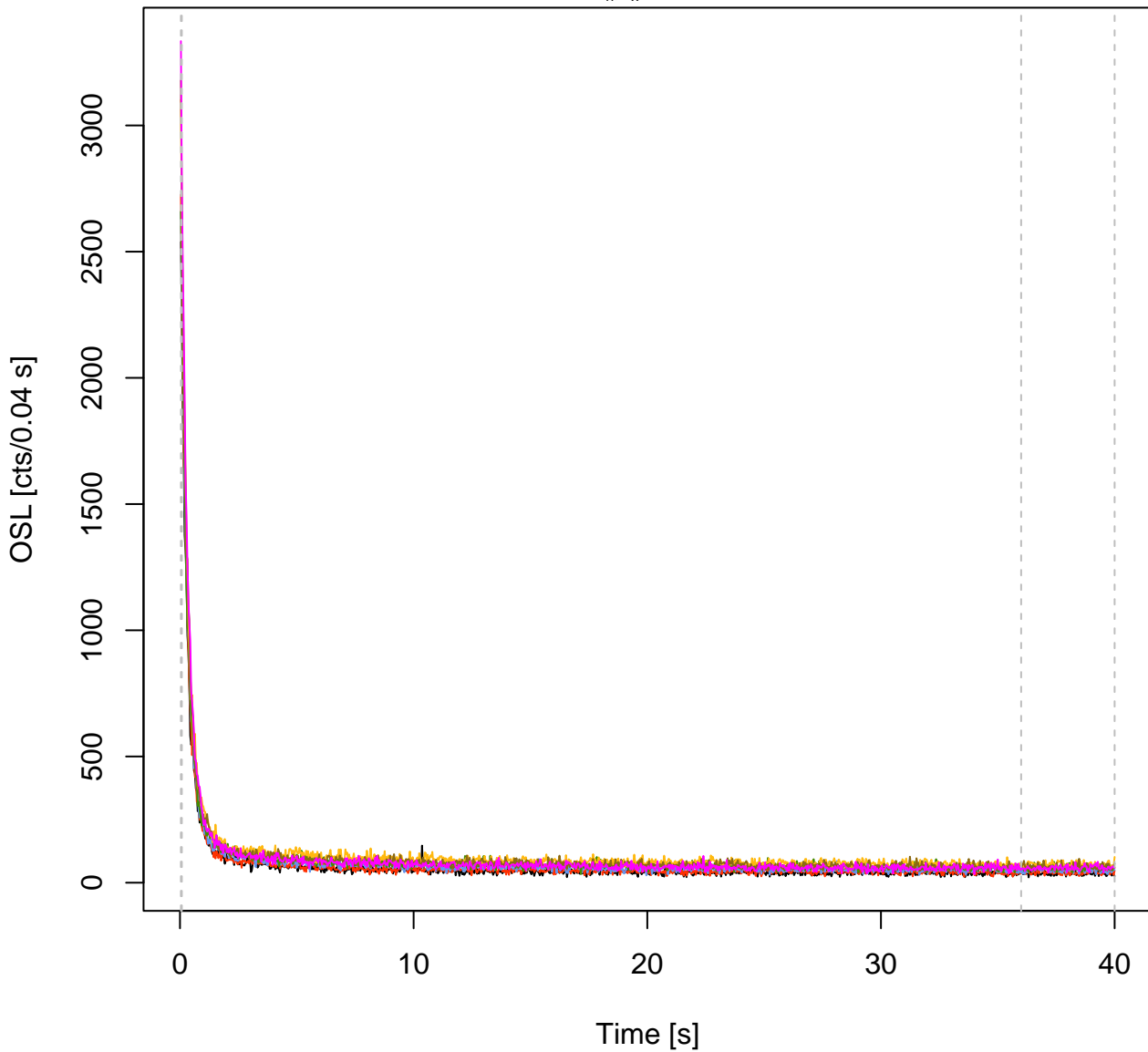
L_n, L_x curves

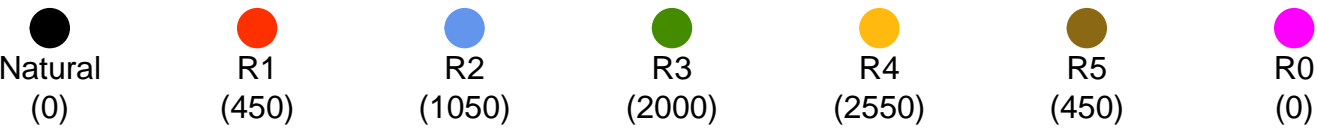


TL previous T_n, T_x curves



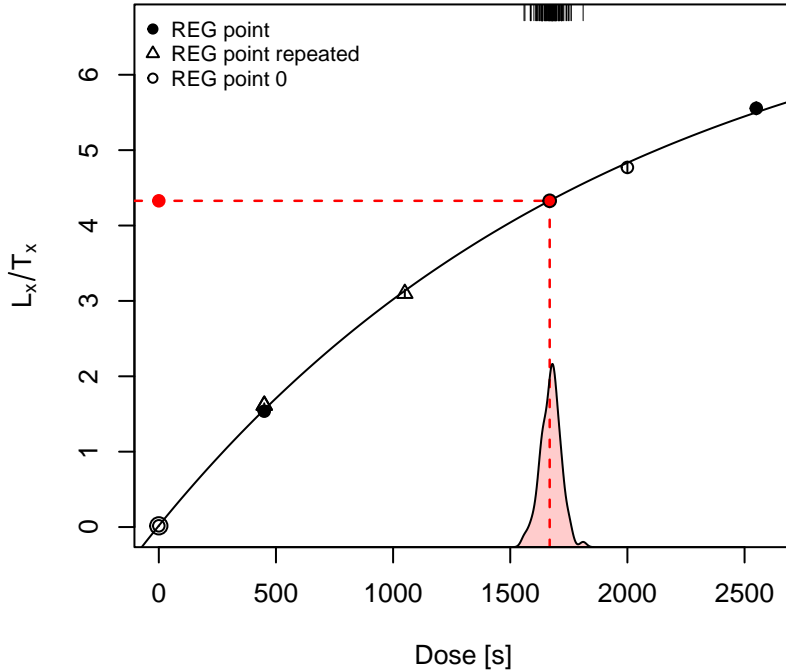
T_n, T_x curves



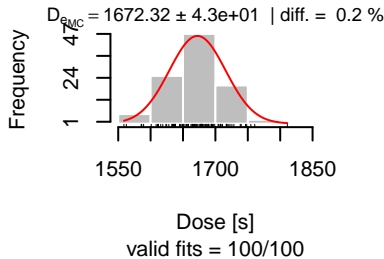


Dose-response curve

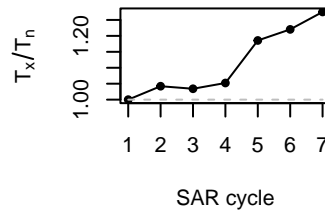
$D_e = 1668.25 \pm 4.3e+01$ | fit: EXP



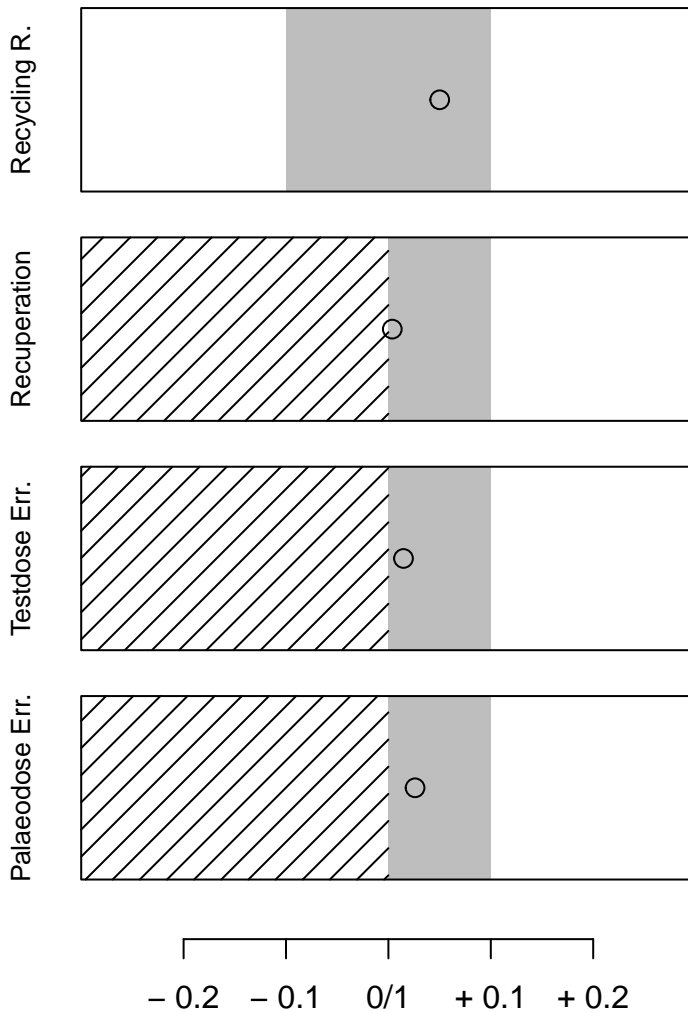
MC runs



Test-dose response

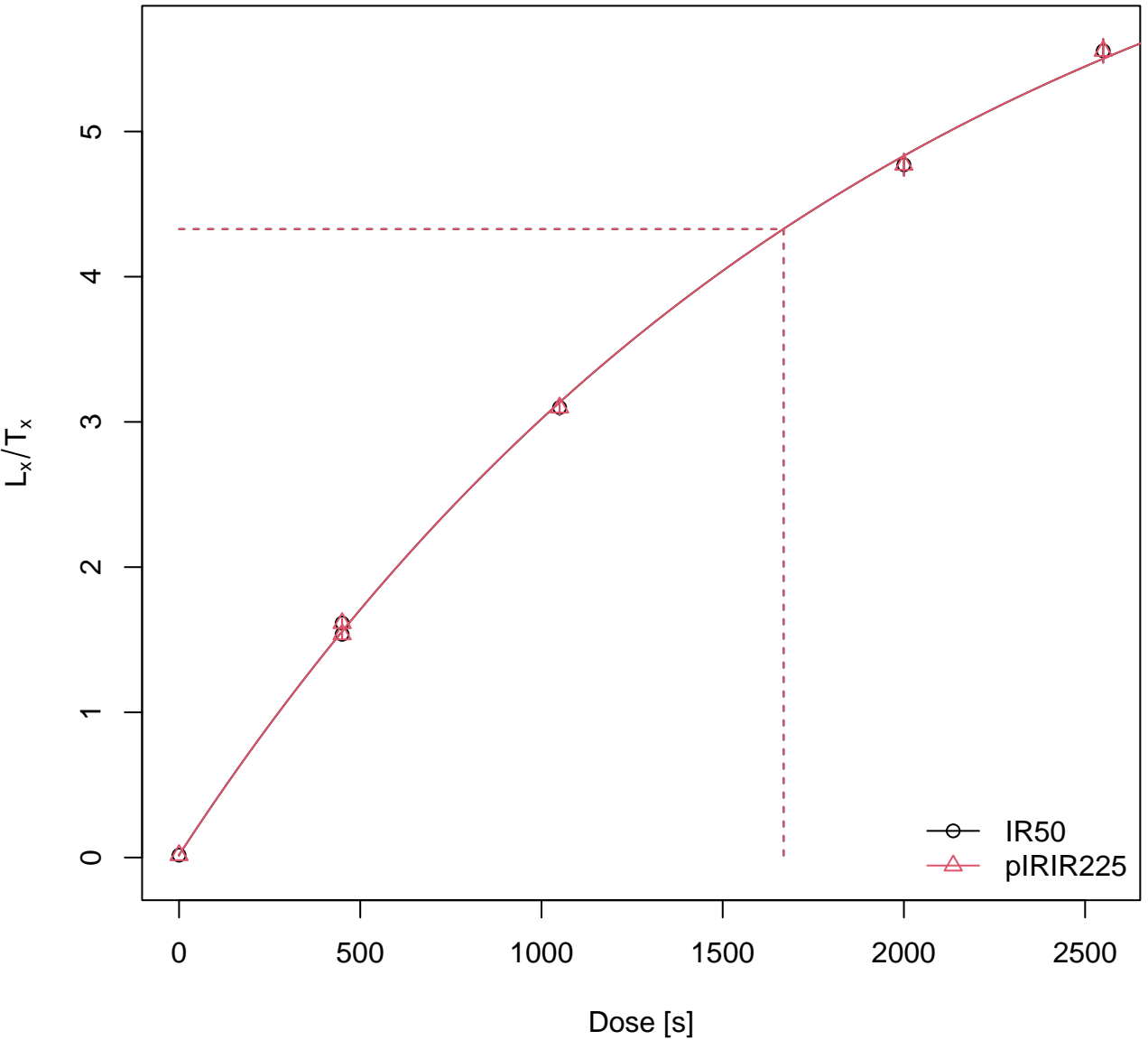


Rejection criteria

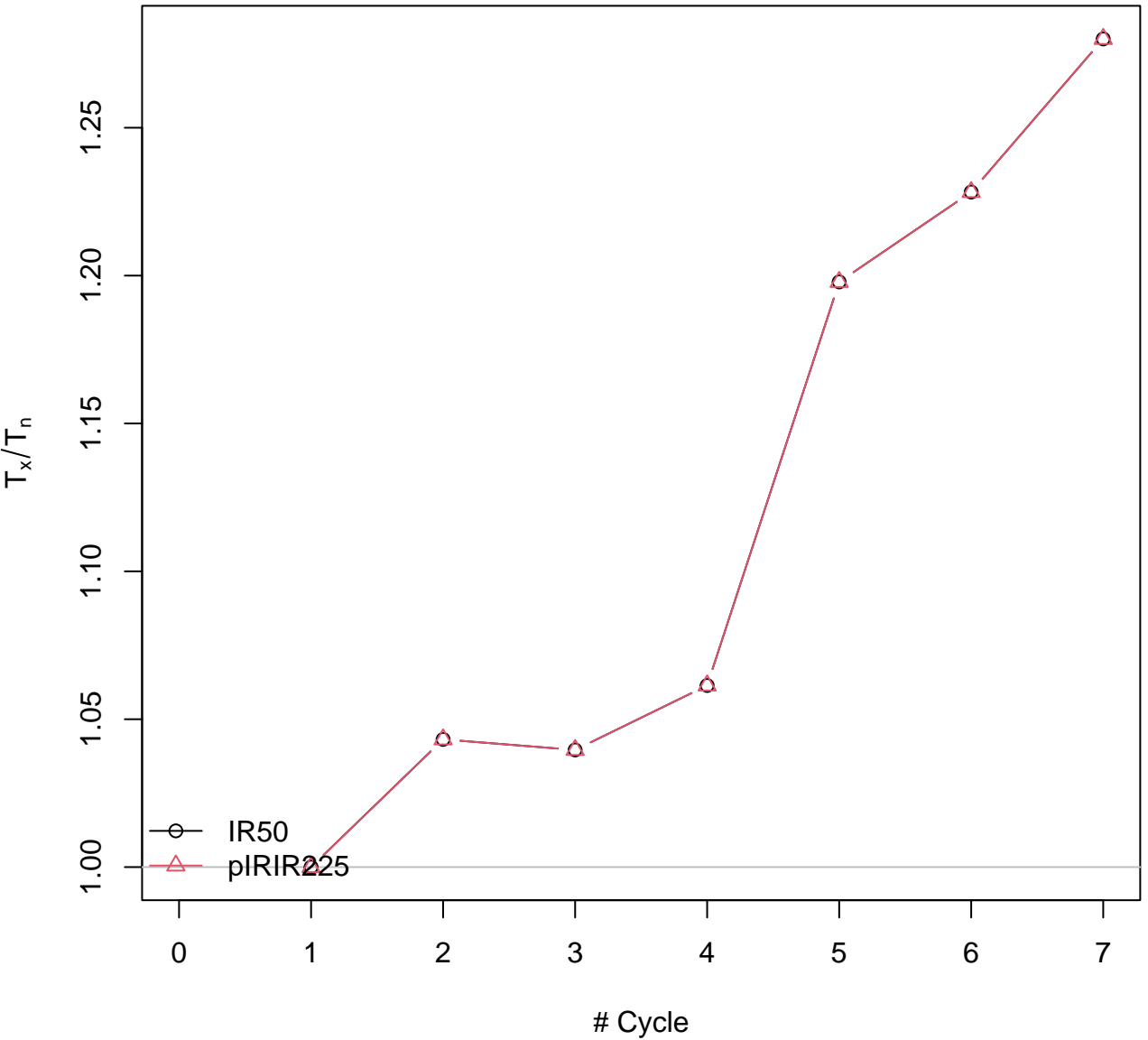


No IRSL curve detected!

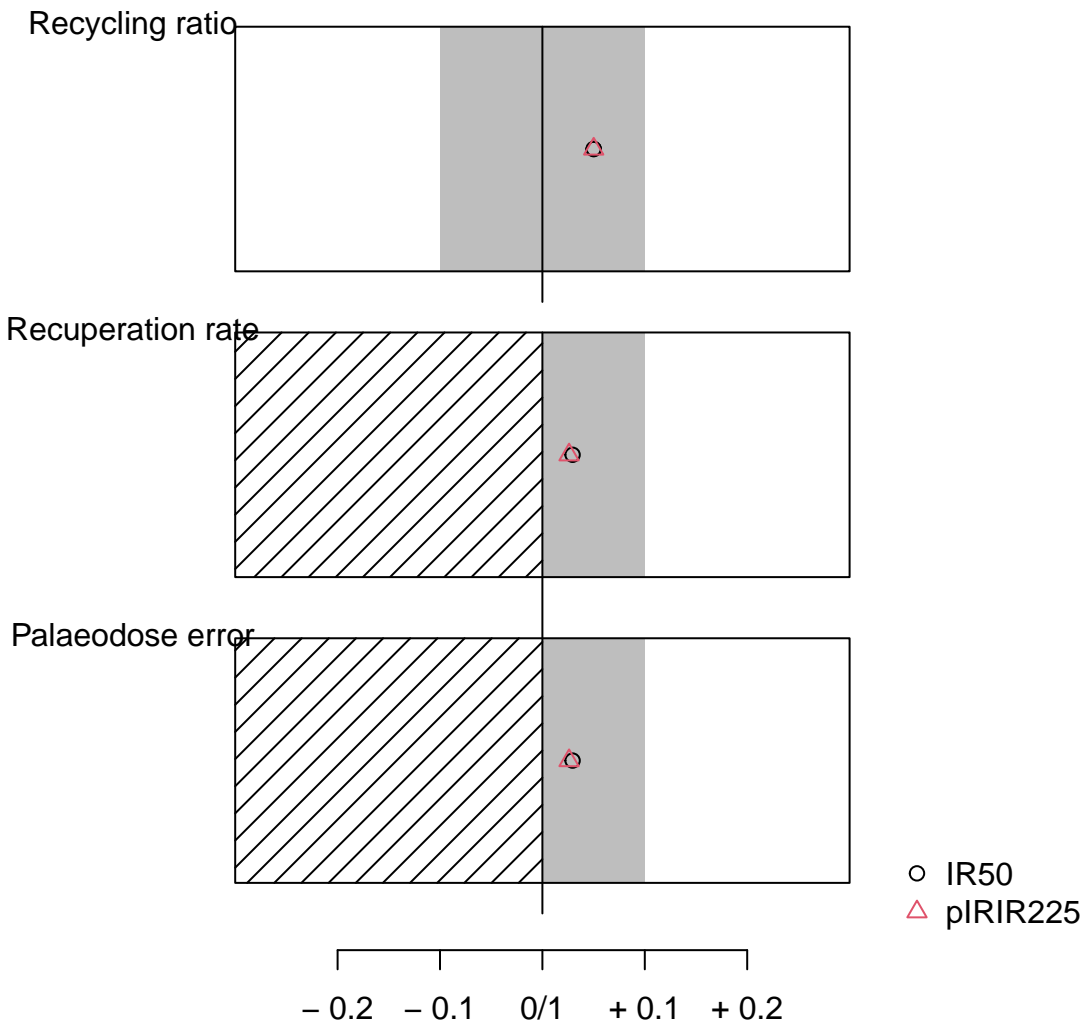
Summarised Dose Response Curves



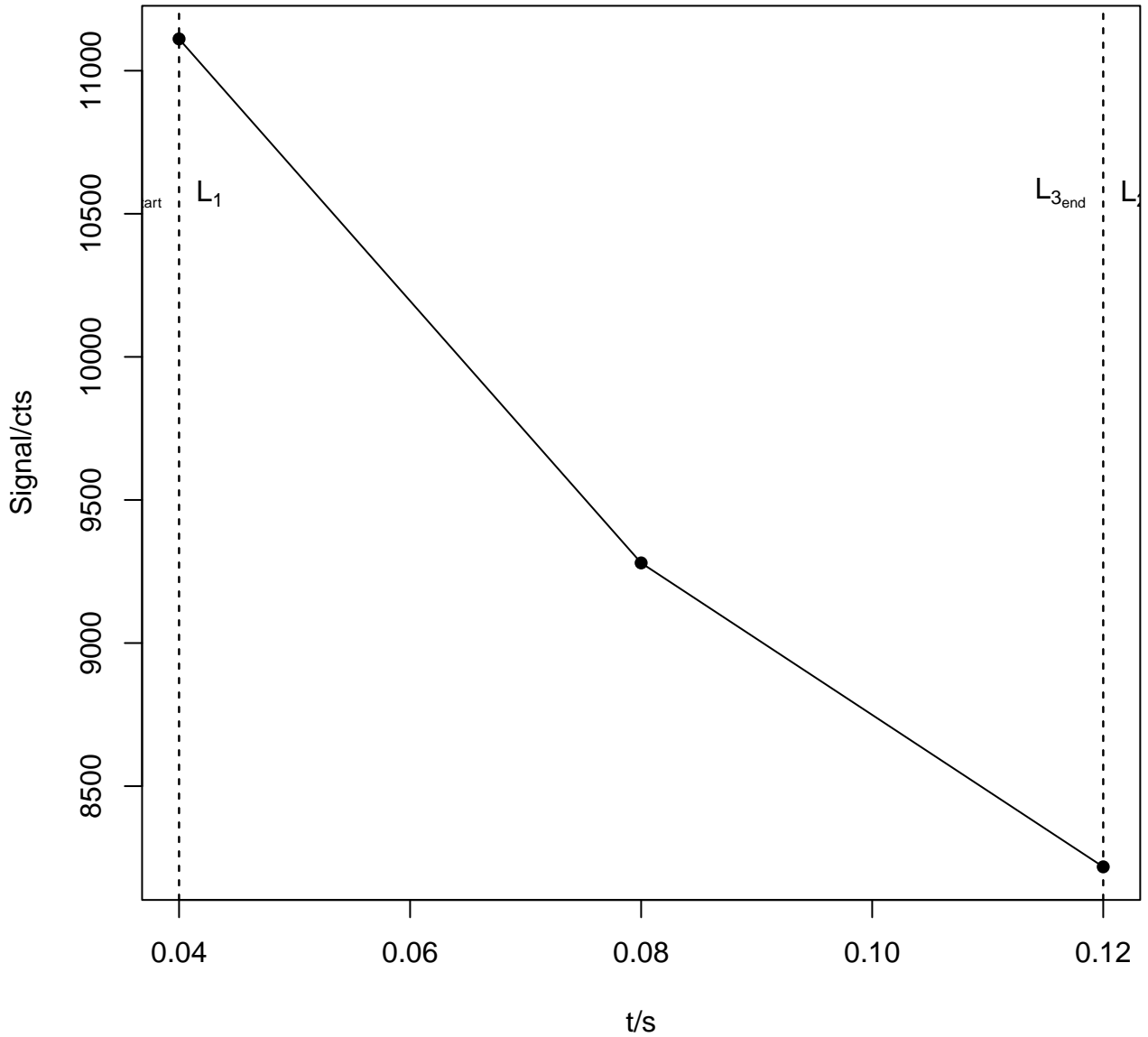
Sensitivity change



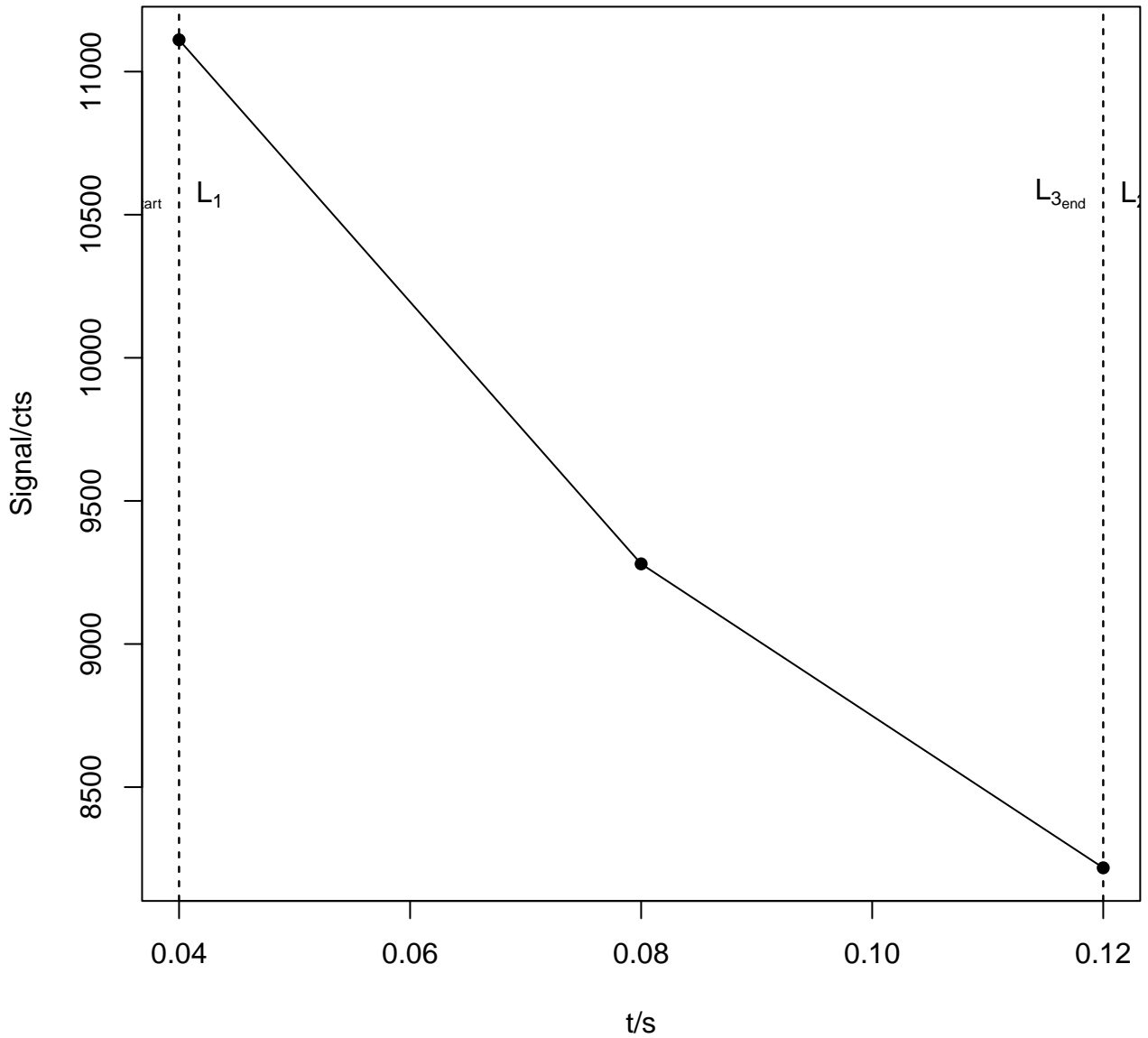
Rejection criteria



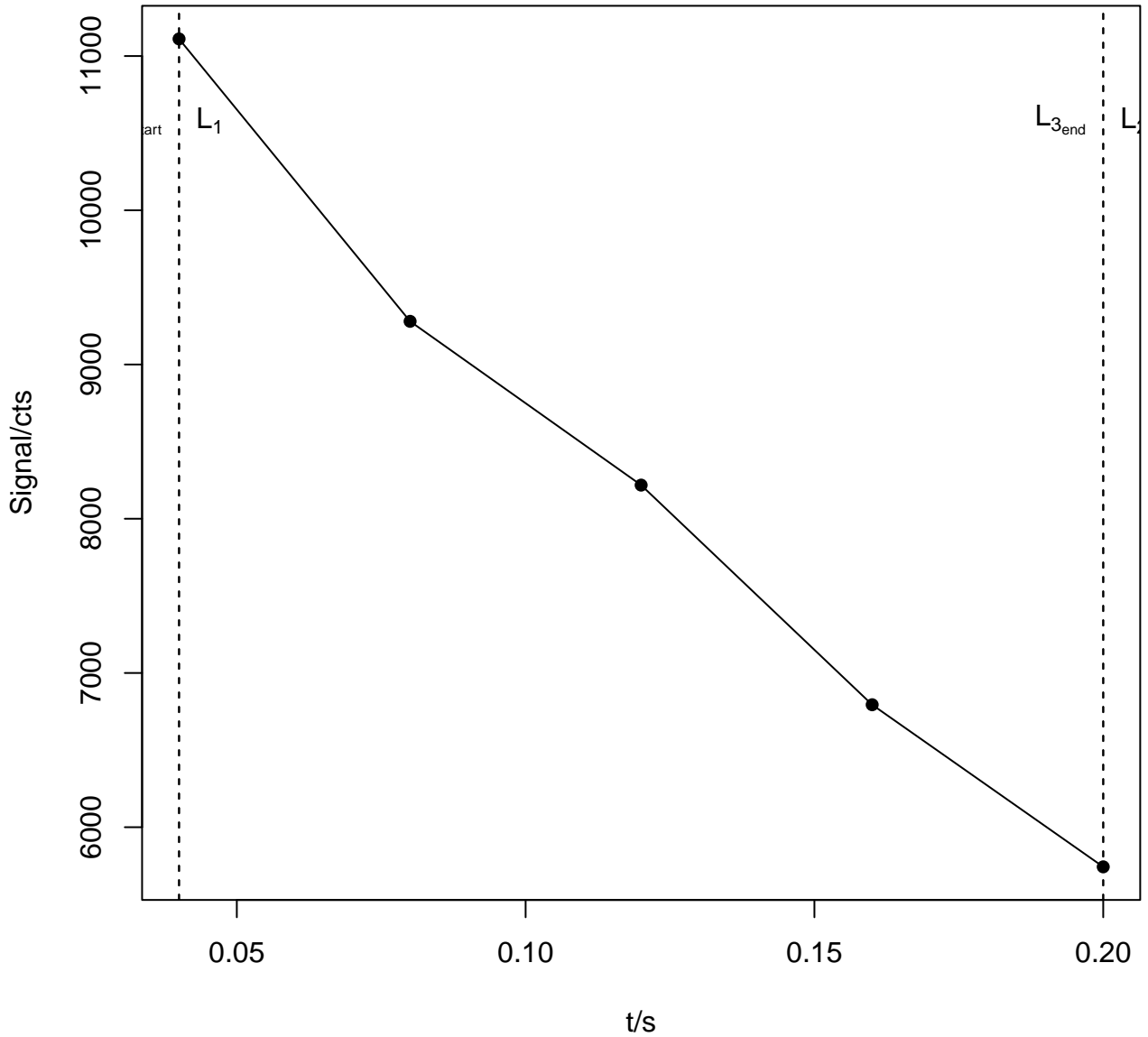
Fast Ratio



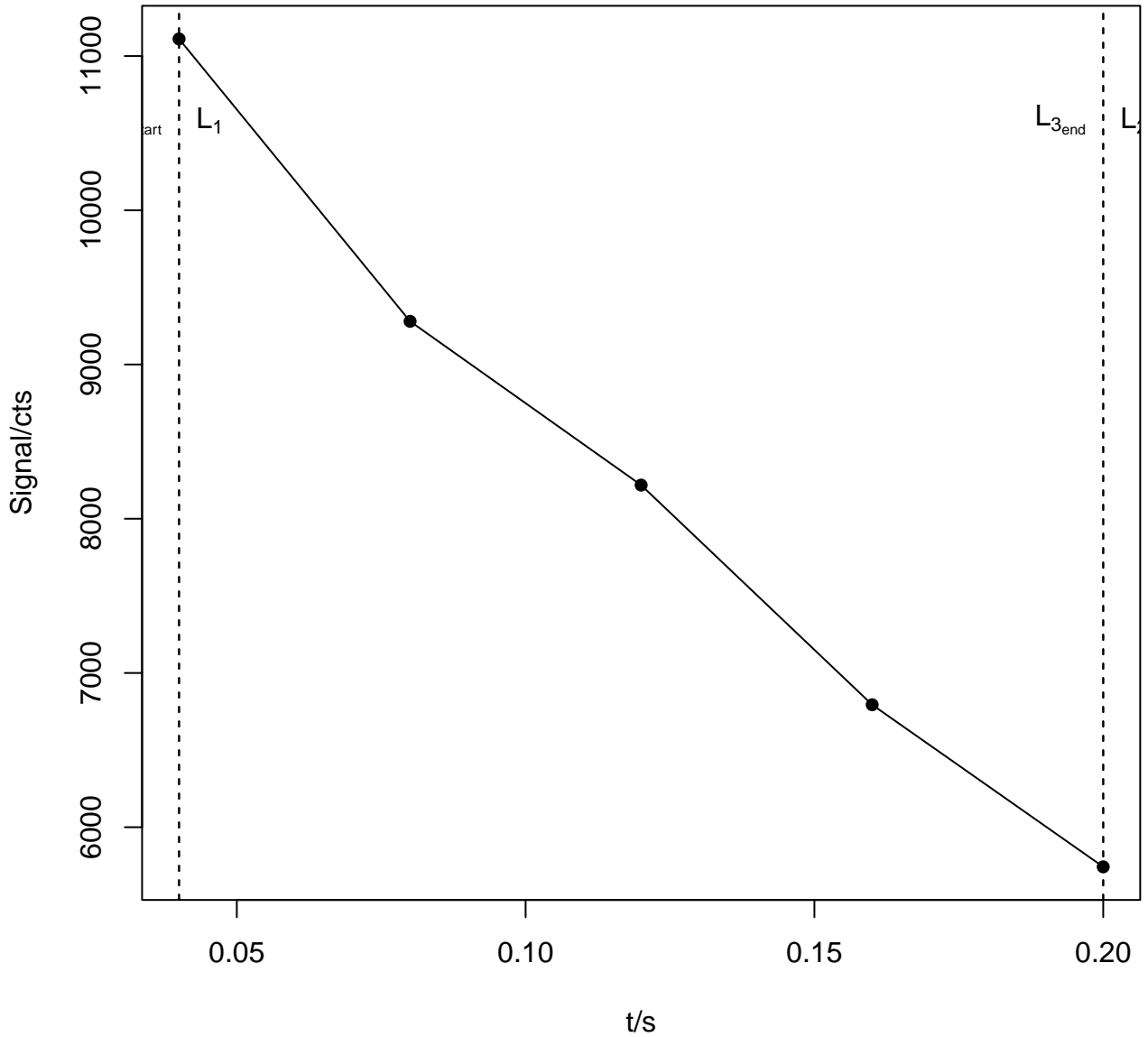
Fast Ratio



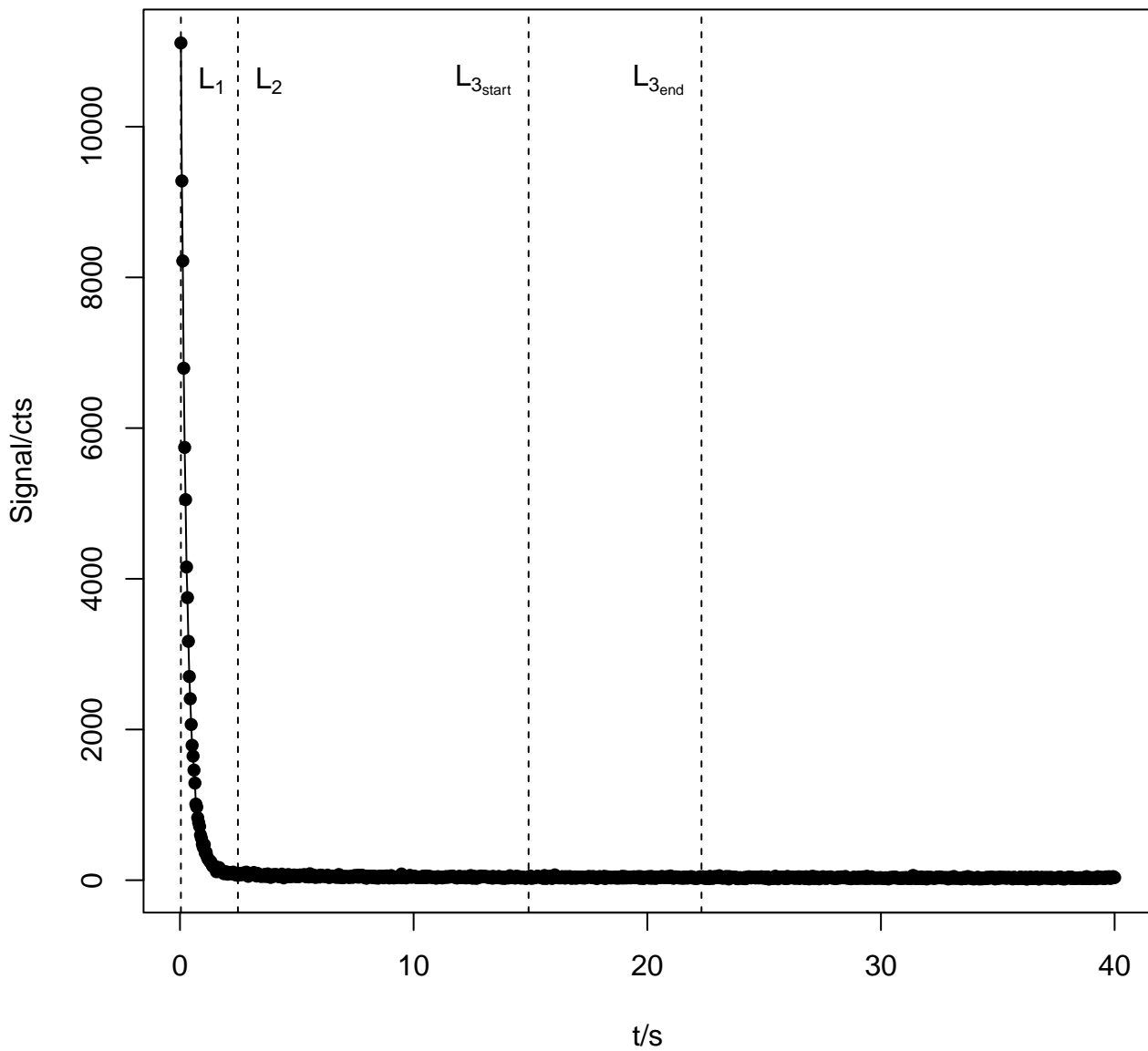
Fast Ratio



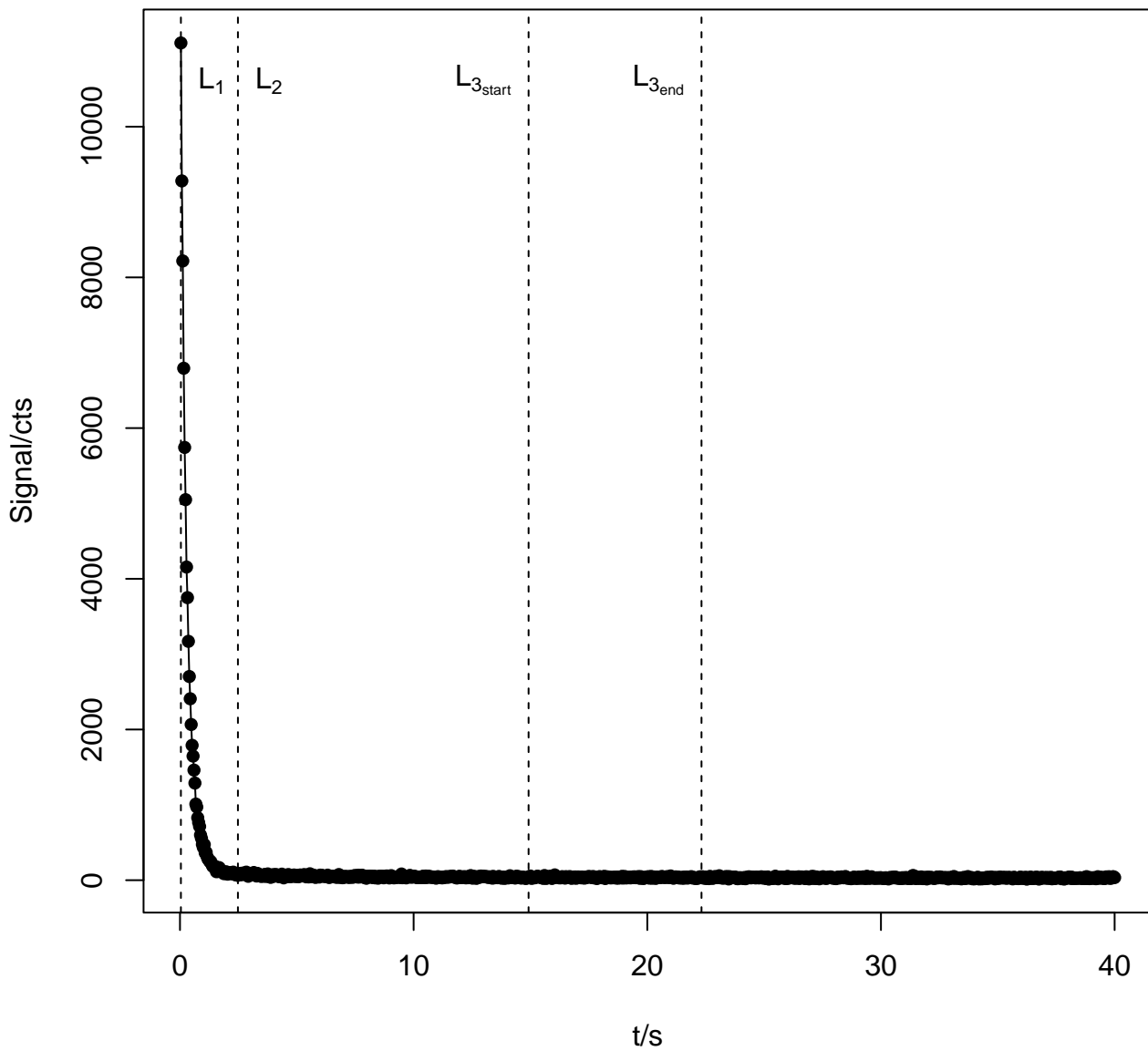
Fast Ratio



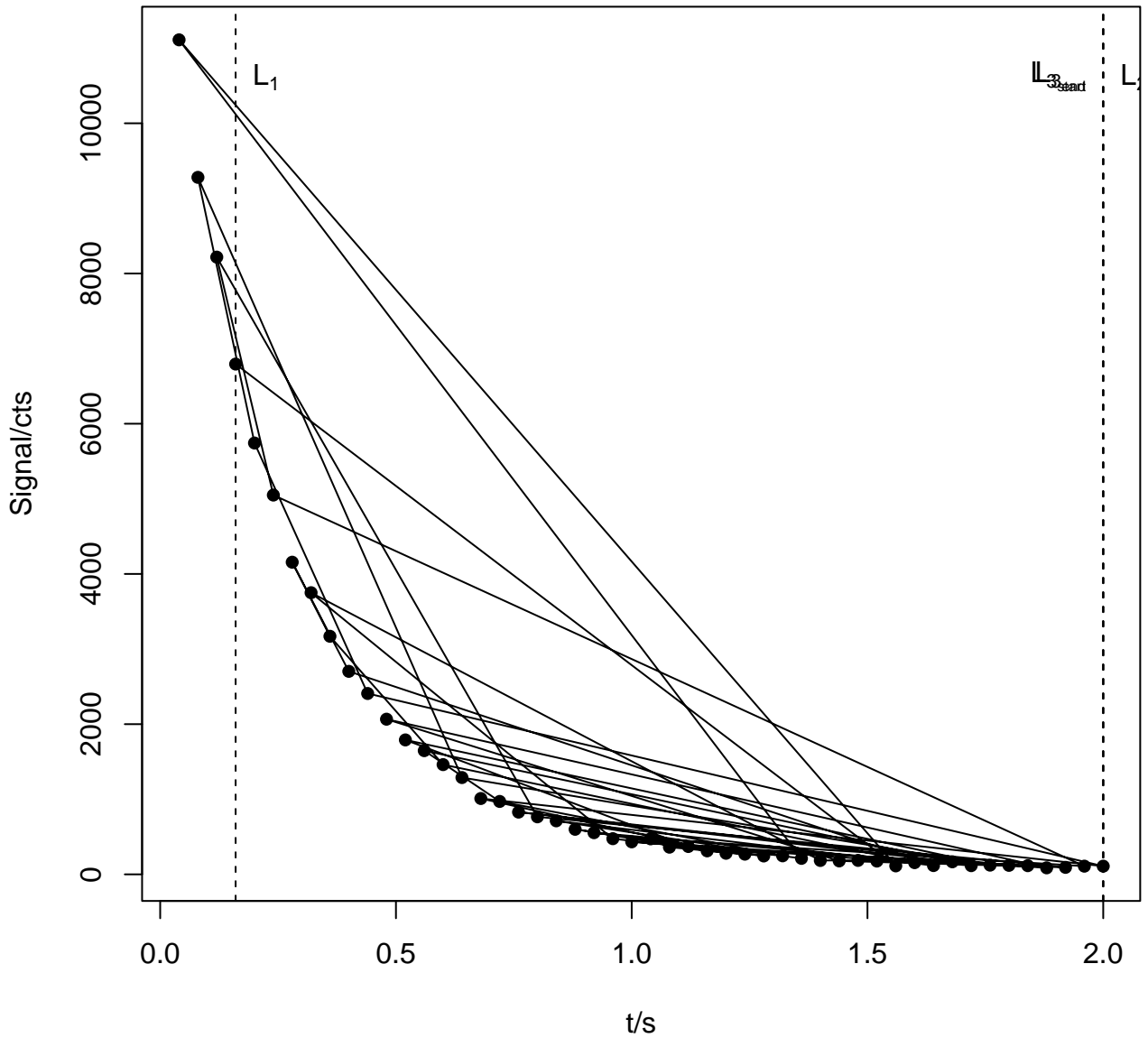
Fast Ratio



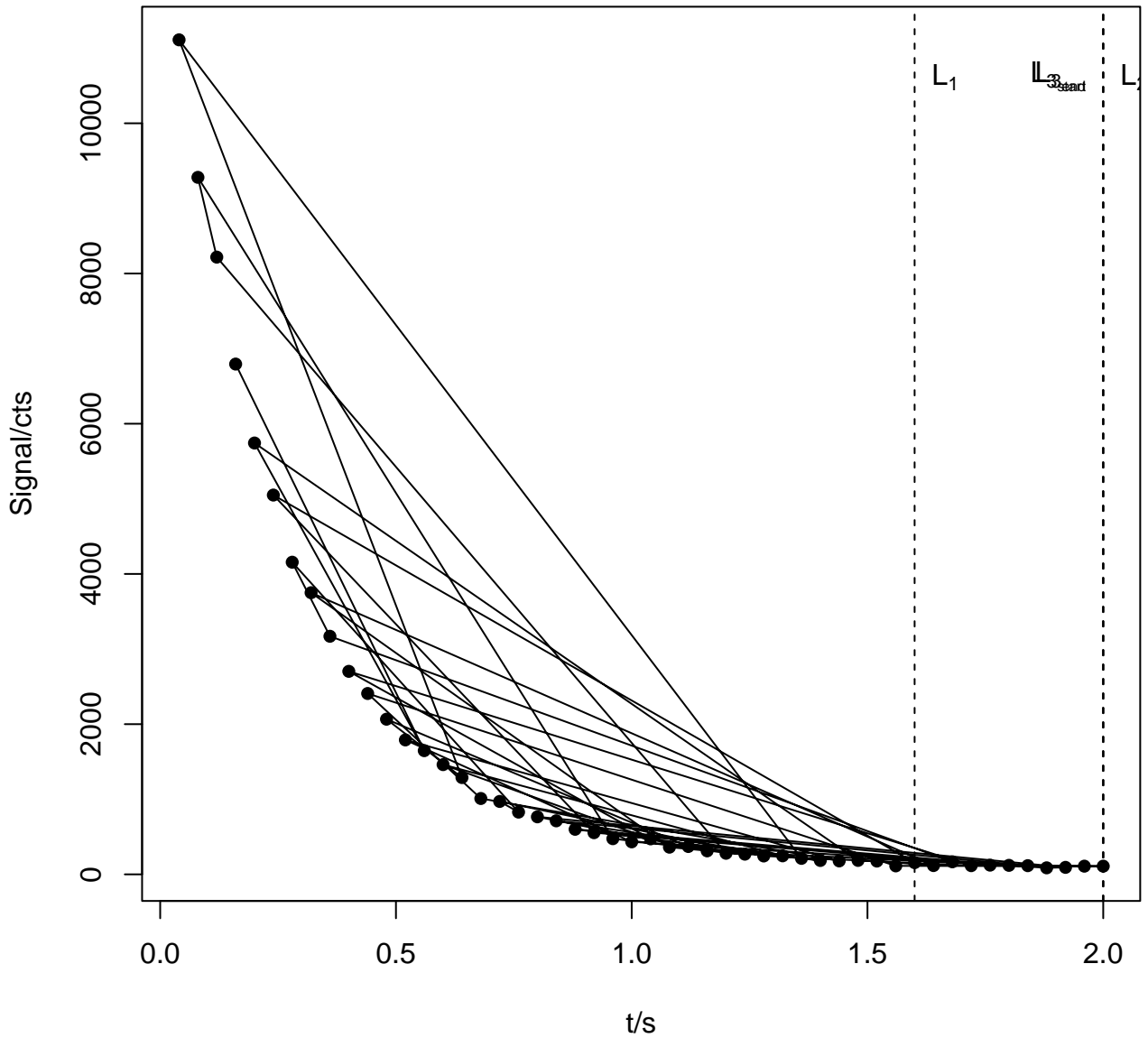
Fast Ratio



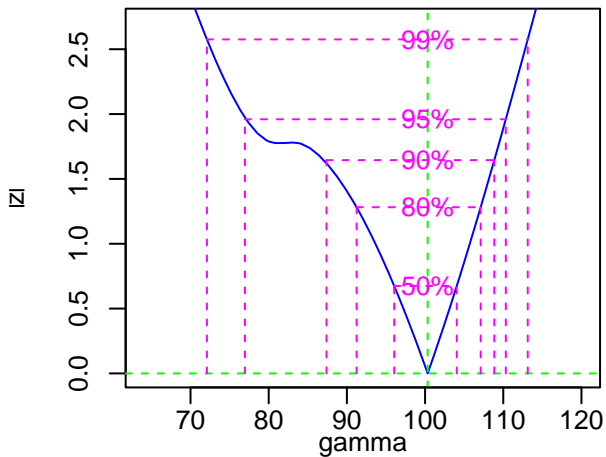
Fast Ratio



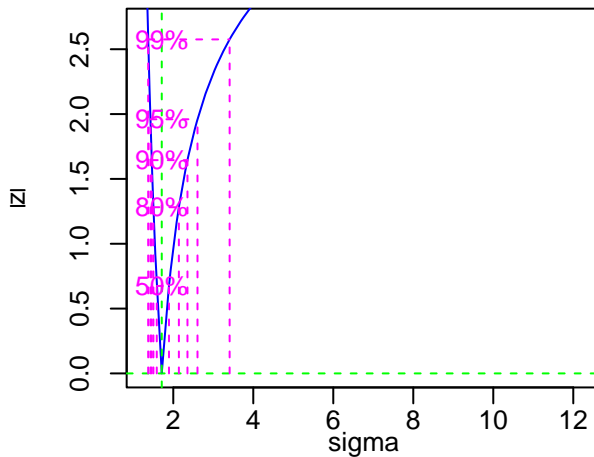
Fast Ratio



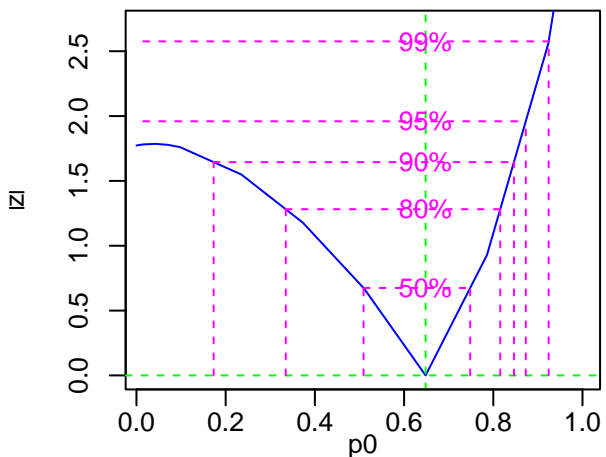
Likelihood profile: gamma



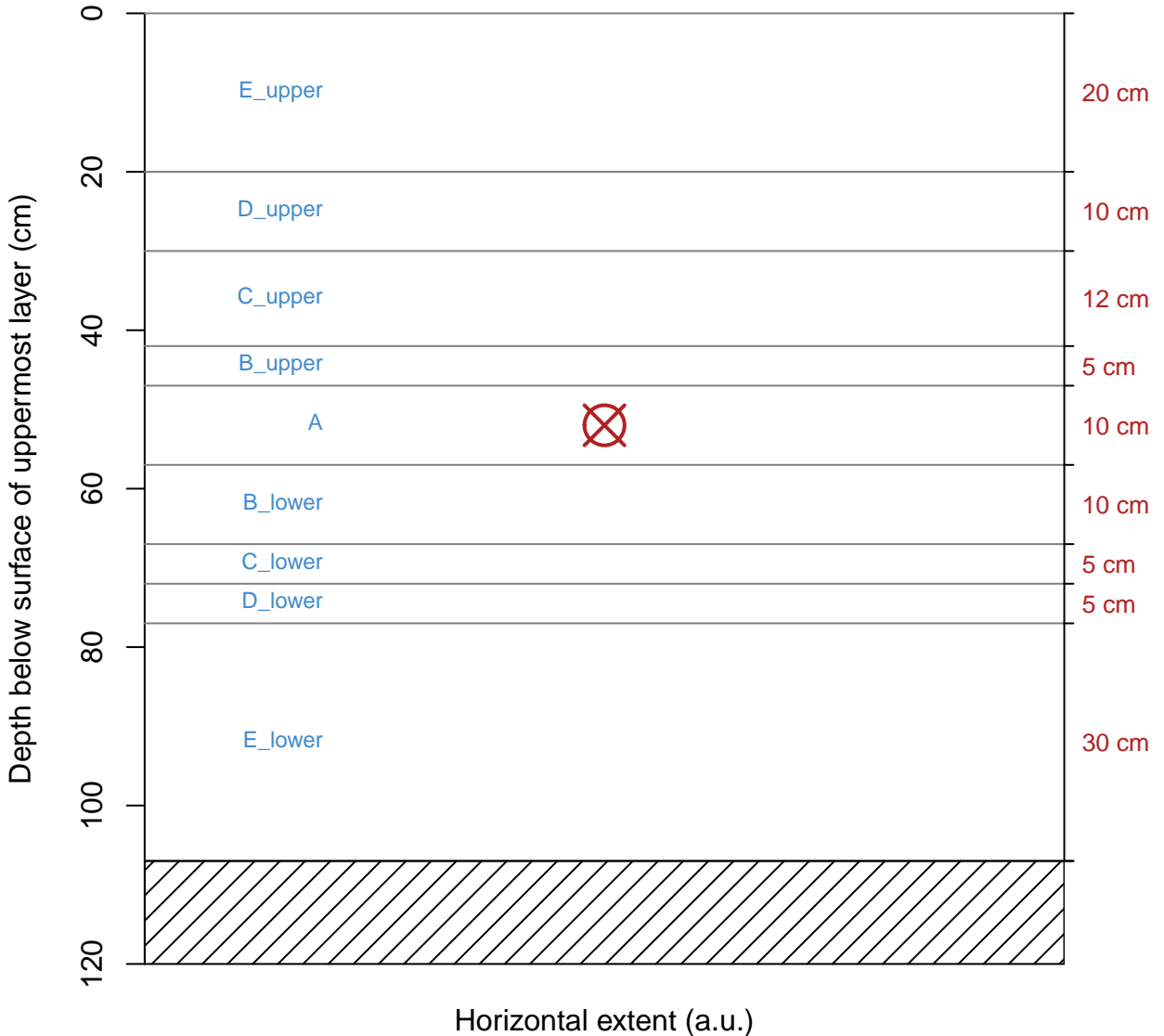
Likelihood profile: sigma

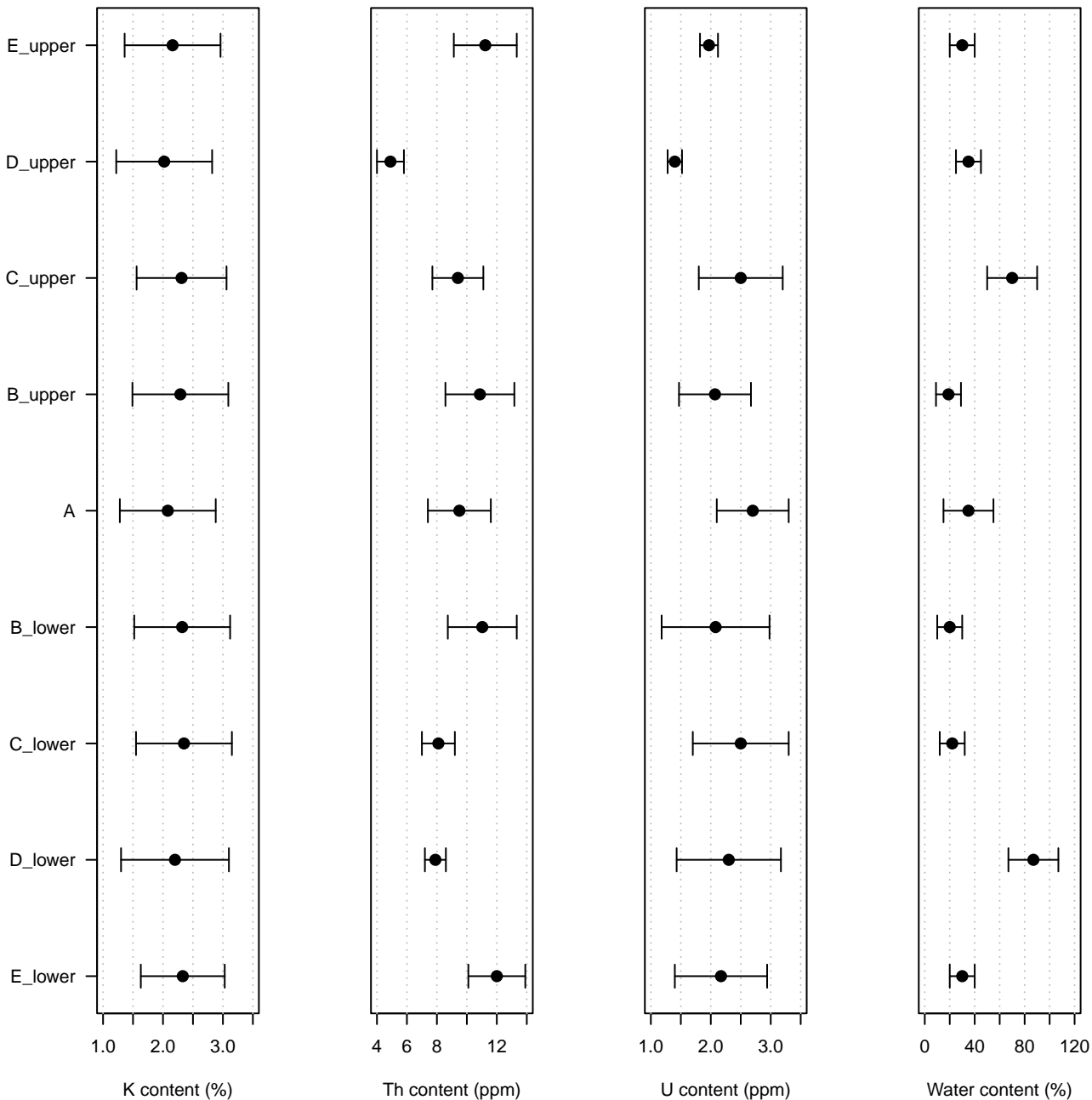


Likelihood profile: p0

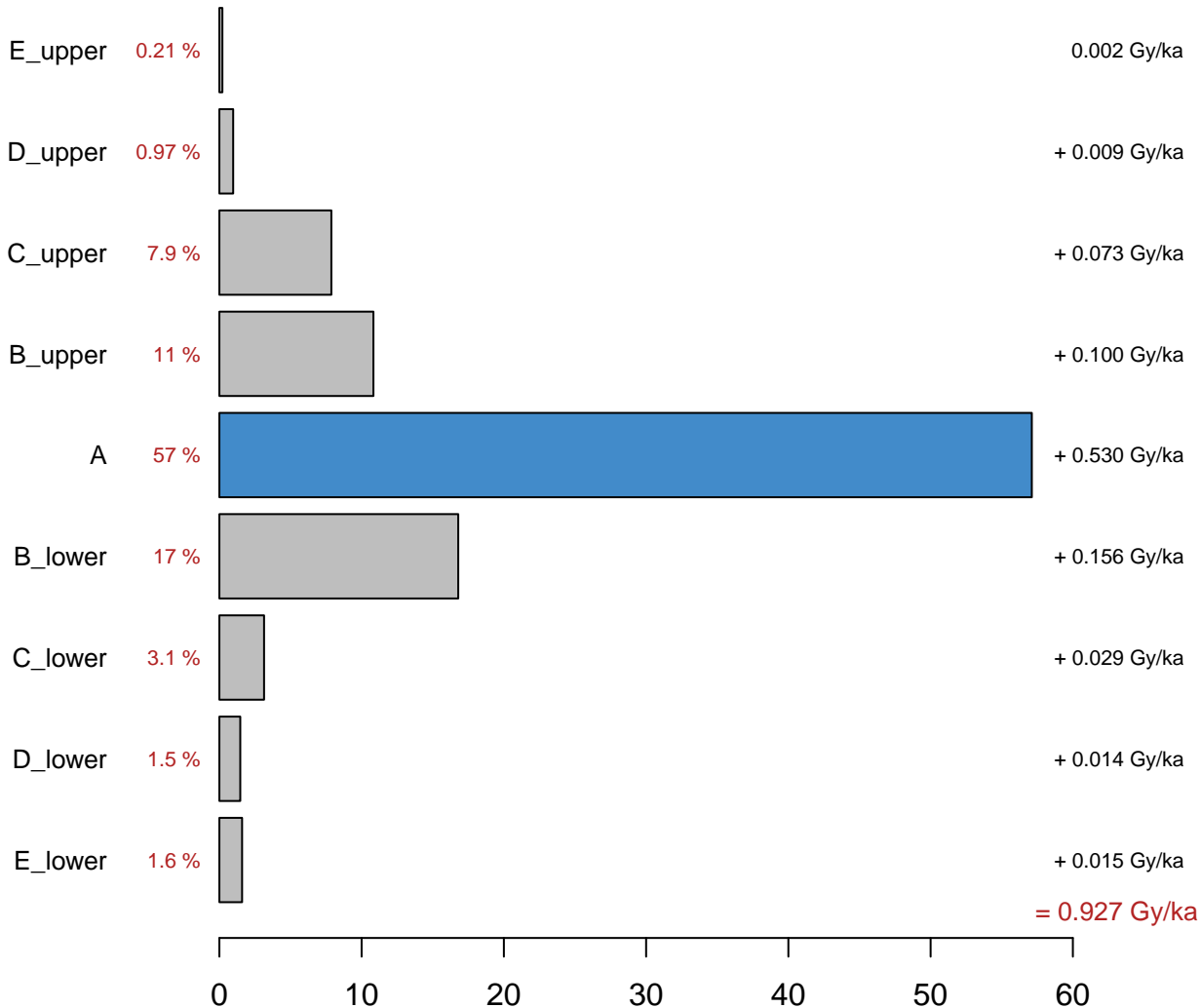


Profile structure





Contributions of each layer to the total gamma dose rate received by the sample



Contribution to total gamma dose rate (%) received by the sample

