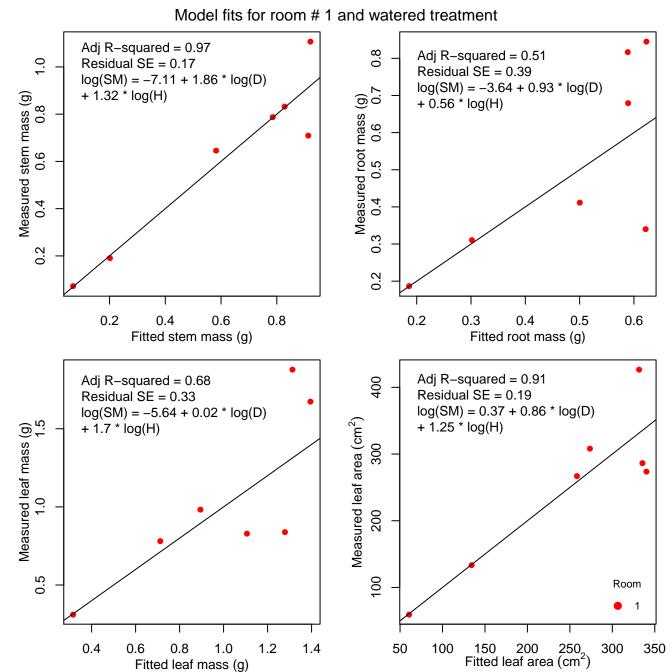
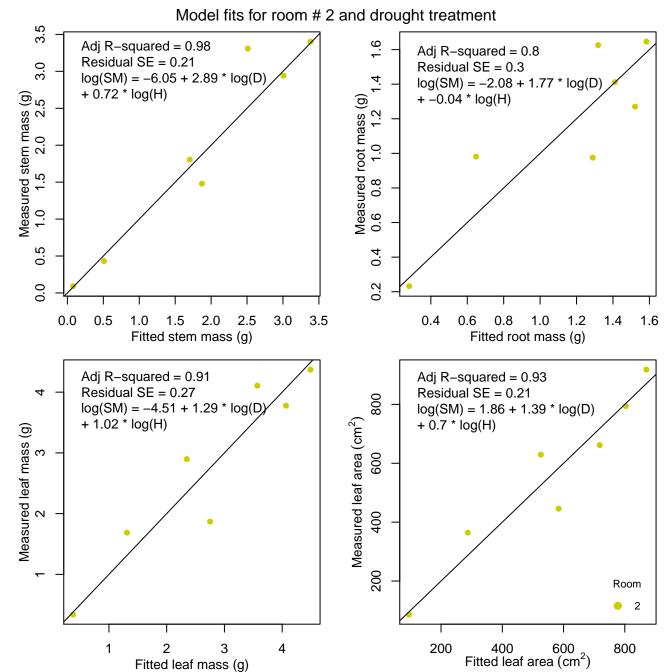
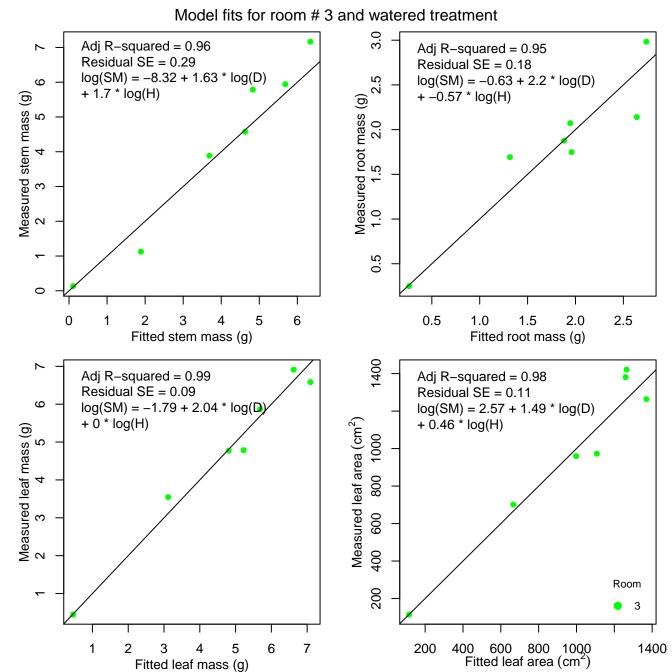
Model fits for room # 1 and drought treatment 2.0 Adj R-squared = 1 Adj R-squared = 0.53 Residual SE = 0.1 Residual SE = 0.75 log(SM) = -6.53 + 1.77 * log(D)log(SM) = -12.11 + -1.93 * log(D)Measured stem mass (g) 0.5 1.5 1.5 + 1.26 * log(H)+4.16*log(H)Measured root mass (g) 1.5 1.0 1.5 0.5 0.0 0.0 0.2 0.0 0.5 1.0 1.5 0.4 0.6 8.0 1.0 Fitted root mass (g) Fitted stem mass (g) Adj R-squared = 0.9 Adj R-squared = 0.97 500 Residual SE = 0.34 Residual SE = 0.18 2.5 log(SM) = -8.49 + -0.4 * log(D)log(SM) = -1.88 + 0.02 * log(D)+ 2.77 * log(H)+ 2.27 * log(H) Measured leaf area (cm²) Measured leaf mass (g) 300 1.5 1.0 0.5 100 Room 0.0 Fitted leaf area (cm^2) 0.5 1.0 1.5 2.0 100 500

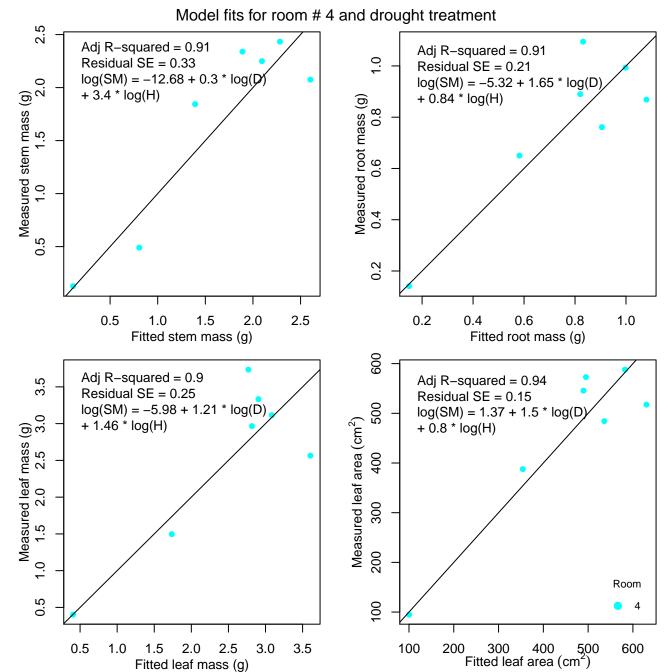




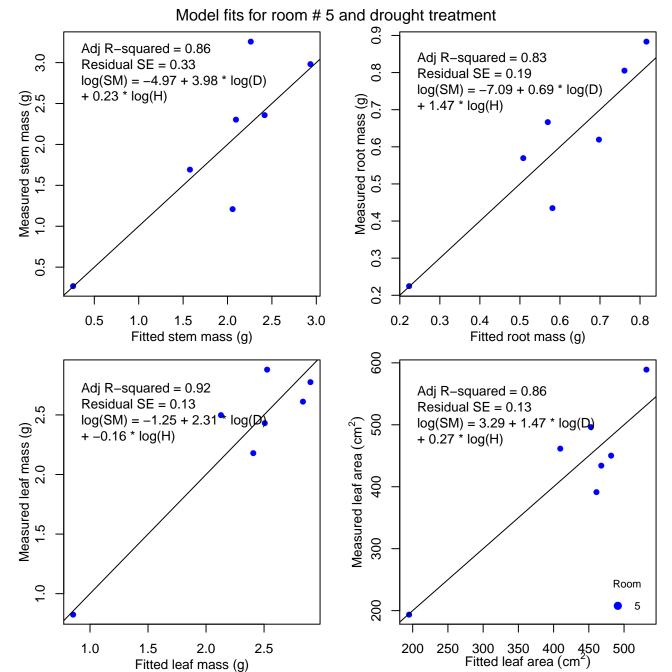
Model fits for room # 2 and watered treatment 3.0 Adj R-squared = 0.98 Adj R-squared = 0.97 Residual SE = 0.17 Residual SE = 0.12 log(SM) = -7.07 + 1.68 * log(D)log(SM) = -4.2 + 1.02 * log(D)Measured stem mass (g) + 1.37 * log(H)+ 0.73 * log(H)Measured root mass (g) 0.6 0.8 1.0 1.2 0.4 0.5 0.2 0.0 0.0 0.5 1.0 1.5 2.0 2.5 3.0 0.2 0.4 0.6 8.0 1.0 1.2 1.4 Fitted root mass (g) Fitted stem mass (g) Adj R-squared = 0.9 Adj R-squared = 0.98 800 Residual SE = 0.29Residual SE = 0.14 log(SM) = -4.07 + 1.09 * log(D)log(SM) = 1.04 + 0.92 * log(D)+ 0.88 * log(H)Measured leaf area (cm^2) + 1.07 * log(H)Measured leaf mass (g) 400 200 Room 0.5 1.0 1.5 2.0 2.5 3.0 200 400 600 800 Fitted leaf area (cm²) Fitted leaf mass (g)

Model fits for room # 3 and drought treatment Adj R-squared = 0.97 Adj R-squared = 0.95 7. Residual SE = 0.23Residual SE = 0.2 log(SM) = -2.01 + 5.14 * log(D)log(SM) = -3.87 + 2.29 * log(D)Measured stem mass (g) + -1.05 * log(H)+ 0.26 * log(H)Measured root mass (g) 0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 1.0 1.5 Fitted stem mass (g) Fitted root mass (g) Adj R-squared = 0.97 Adj R-squared = 0.99 2 Residual SE = 0.18 Residual SE = 0.07 log(SM) = -2.96 + 2.79 * log(D)log(SM) = 2.73 + 2.35 * log(D)+ 0.15 * log(H) ${\it Measured leaf area} \, ({\it cm}^2)$ + 0.16 * log(H)Measured leaf mass (g) 400 200 Room 2 3 5 200 400 800 600 Fitted leaf area (cm²)

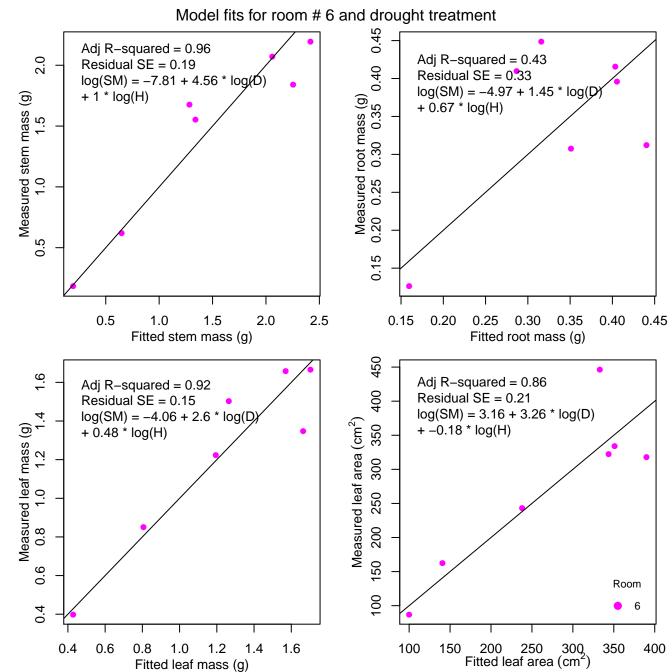




Model fits for room # 4 and watered treatment Adj R-squared = 0.89 Adj R-squared = 0.99 ∞ Residual SE = 0.51 Residual SE = 0.1 2.0 log(SM) = -8.92 + 1.58 * log(D)log(SM) = -4.6 + 1.64 * log(D)+ 1.82 * log(H)+ 0.55 * log(H)Measured stem mass (g) Measured root mass (g) 0.5 0.5 0 2 3 5 1.0 1.5 2.0 Fitted stem mass (g) Fitted root mass (g) ∞ Adj R-squared = 0.97 Adj R-squared = 0.98 1500 Residual SE = 0.18 Residual SE = 0.13 log(SM) = -6.6 + 0.41 * log(D)log(SM) = -0.28 + 0.58 * log(D)+ 1.81 * log(H)Measured leaf area (cm^2) + 1.53 * log(H) Measured leaf mass (g) 500 Room 2 1000 500 1500 6 8 Fitted leaf area (cm²)



Model fits for room # 5 and watered treatment Adj R-squared = 0.98 Adj R-squared = 0.94 Residual SE = 0.2 Residual SE = 0.24 log(SM) = -10.47 + 1.66 * log(D)log(SM) = -5.05 + 2.18 * log(D)Measured stem mass (g) 6 + 2.24 * log(H) + 0.45 * log(H)Measured root mass (g) 0.5 1.0 1 0.5 0 2 3 6 7 1.0 1.5 Fitted stem mass (g) Fitted root mass (g) 1500 Adj R-squared = 0.91 Adj R-squared = 0.95 Residual SE = 0.3Residual SE = 0.21 ∞ log(SM) = -5.33 + 1.78 * log(D)log(SM) = -0.13 + 1.35 * log(D)+ 0.99 * log(H)Measured leaf area (cm²) + 1.17 * log(H)Measured leaf mass (g) α Room 400 600 800 1000 Fitted leaf area (cm²) 2 5 200 1200 3 6 400



2 Adj R-squared = 0.84 Adj R-squared = 0.84 Residual SE = 0.48 9.0 Residual SE = 0.24 log(SM) = -8.24 + 2.28 * log(D)log(SM) = -8.58 + 0.01 * log(D)+ 1.6 * log(H)Measured stem mass (g) Measured root mass (g) + 1.93 * log(H)0.2 0.2 1 2 3 5 0.3 0.4 0.5 0.6 Fitted stem mass (g) Fitted root mass (g) Adj R-squared = 0.93 3.5 Adj R-squared = 0.93 700 Residual SE = 0.19 Residual SE = 0.17 log(SM) = -5.92 + 1.1 * log(D)log(SM) = -0.58 + 0.73 * log(D)Measured leaf mass (g) 1.5 2.0 2.5 3.0 Measured leaf area (cm^2) + 1.34 * log(H) 009 + 1.46 * log(H)200 400 300 1.0 200 Room 0.5 100 Fitted leaf area (cm²) 1.0 1.5 2.0 2.5 3.0 100 200 700 0.5

Fitted leaf mass (g)

Model fits for room # 6 and watered treatment