Figure S4: The r^2 value of the regression between N_e and U_{id} under the null hypothesis, as a function of the root mean square error (RMSE) of estimates of u_{bs}. Errors in the estimate of u_{bs} and u_{id} are assumed to be identical. The errors are assumed to be log normally distributed (see main text). The horizontal red line is drawn at t value of 0.89, the r^2 of the observed data.