

Model

**Model 2.5:**  $\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) | \rho | \text{Study})$

**Model 2.4:**  $\log(\sigma) = 1 + (1 | \rho | \text{Study})$

**Model 2.3:**  $\log(\sigma) = \log(\text{fragment size}) + (\log(\text{fragment size}) | \text{Study})$

**Model 2.2:**  $\log(\sigma) = 1 + (1 | \text{Study})$

**Model 2.1:**  $\sigma \sim 1$

0.000

0.025

0.050

0.075

Fragment size slope ( $\beta_1$ )

