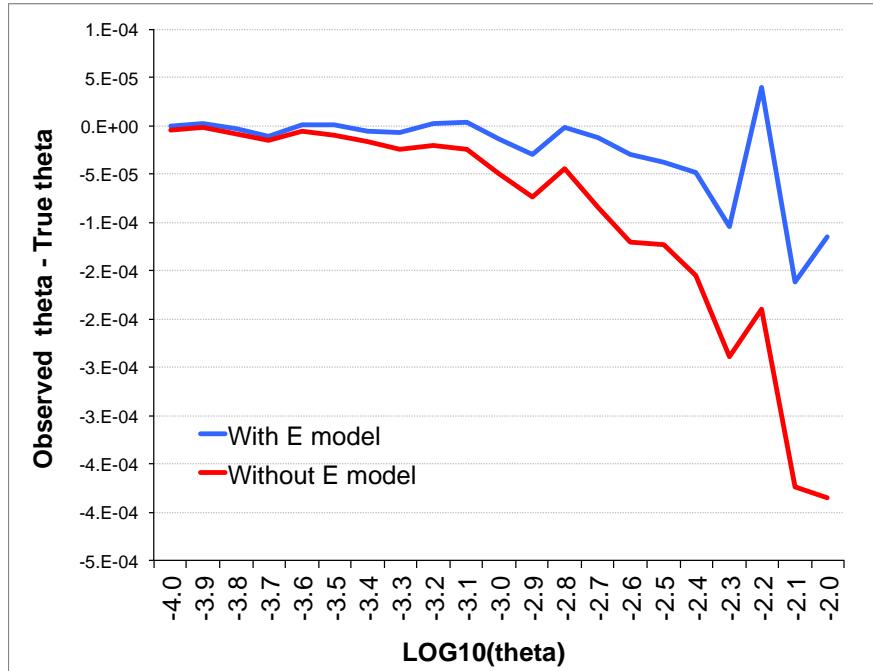
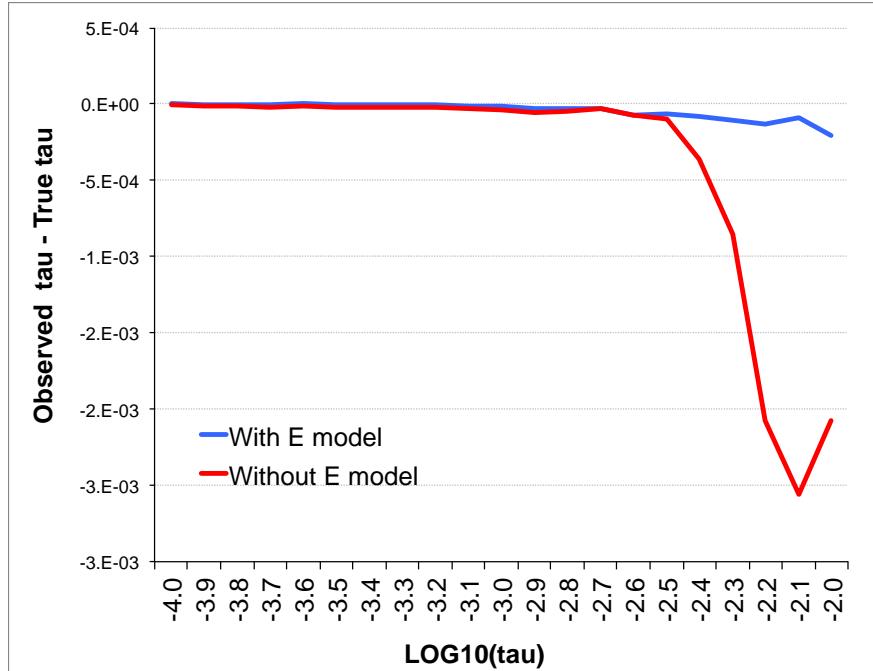


A



B



**Figure S6** Comparison of observed versus true parameter value with and without stochastically modeling sequence errors using the *E* model when estimating  $\theta$  in scenario A and  $\tau$  in scenario B.