Figure S1 shows trace plots of the Markov chains for the primary parameters of our analysis. Visual inspection indicates that the four Markov chains converged. This was confirmed with all $\hat{R}$ values lower than 1.1.
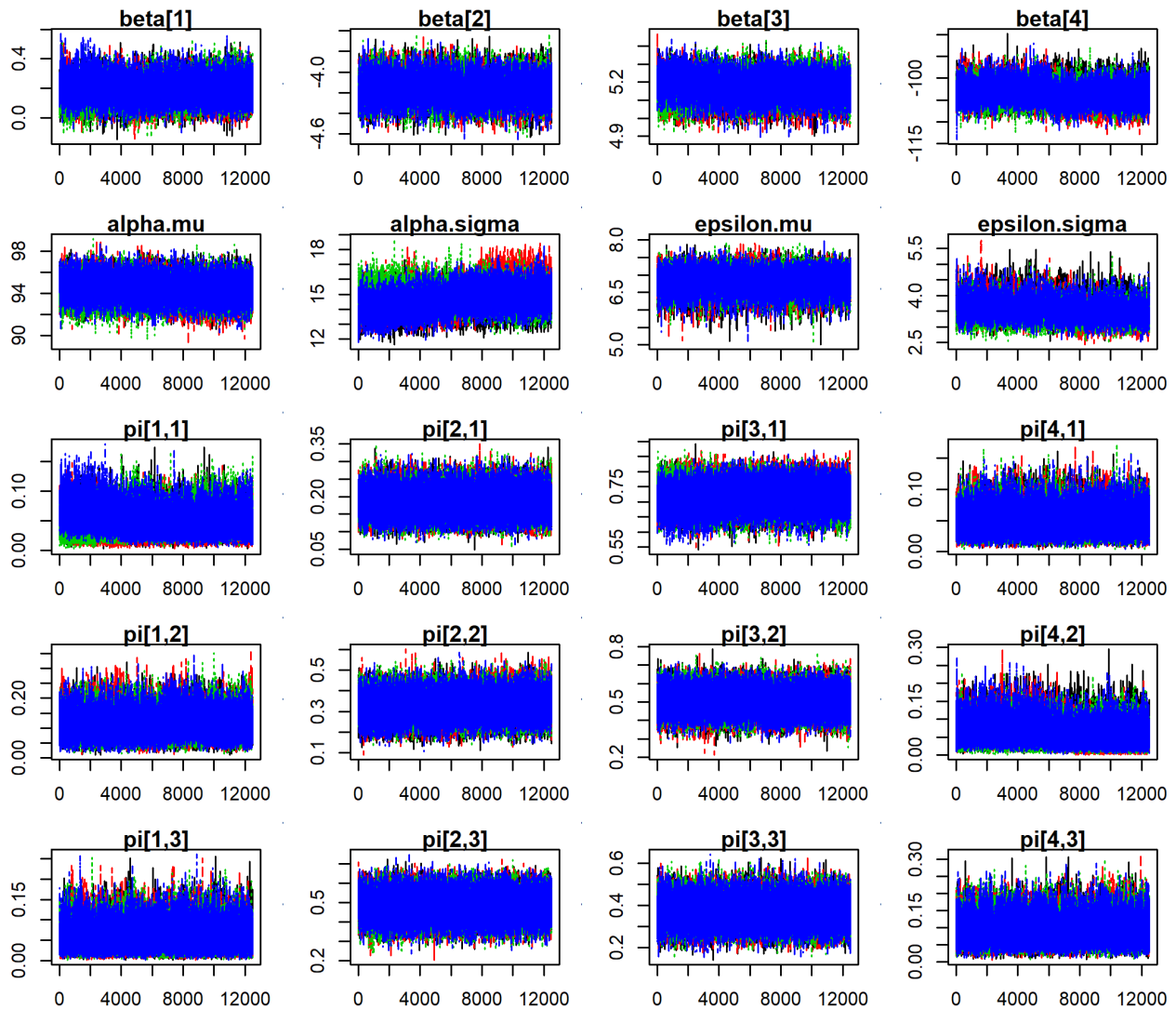


*Figure S1*. Trace plots of the Markov chains for the four β parameters, group-level α and ε parameters, and the π parameters.

Figure S2 displays the marginal posterior distributions for the parameters shown in Figure S1 (excluding the π parameters, which are shown in Figure 4 of the main text).
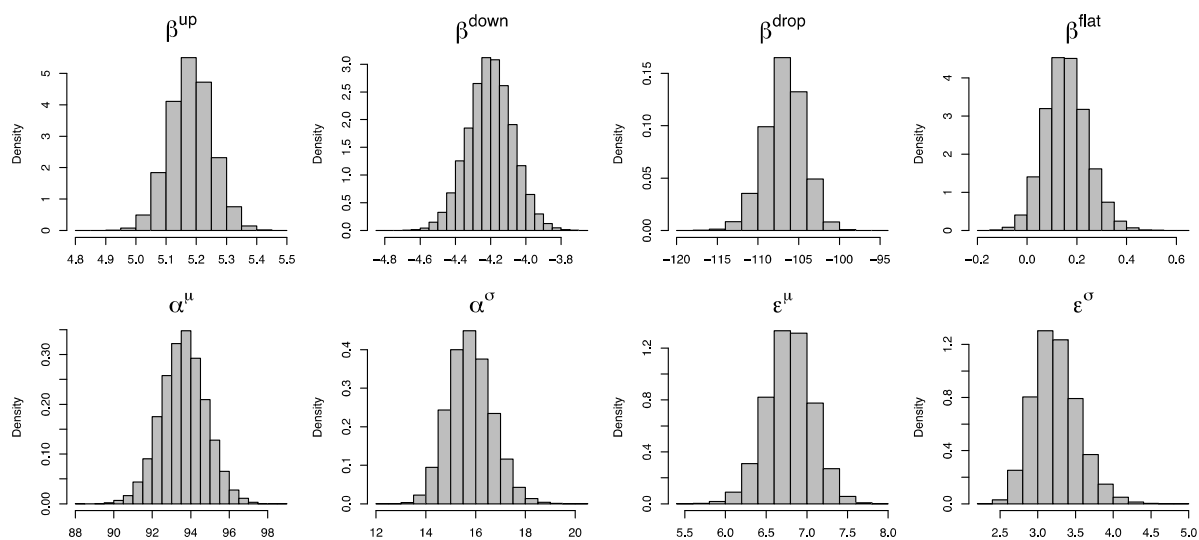


*Figure S2.* Marginal posterior distributions of the four β parameters and group-level α and ε parameters.