The following figures convey the results of the analysis of the full RAS pathway. The results suggest that the connections in the reduced RAS pathway are stable with regards to incorporating additional variables to the system.

**Figure S5.**—A correlation plot of estimated posterior probabilities from two Markov chains started from different random DAGS. The high correlation between sample parameters \( \rho = 0.97 \) suggests sample convergence. The distribution of posterior probabilities appears to be bimodal.