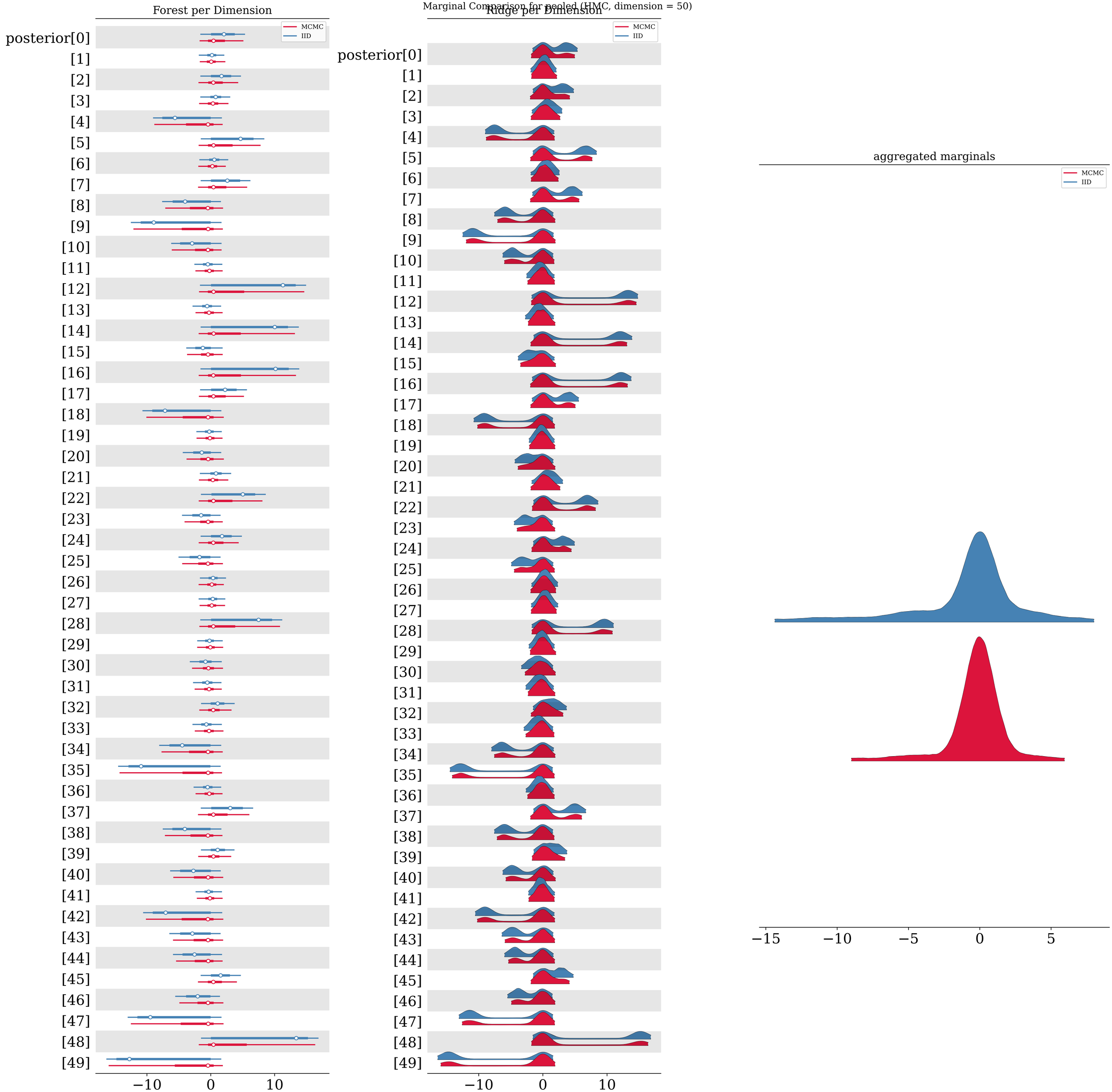Marginal Comparison for pooled (HMC, dimension = 50)