n_sample = 1250; n_genes = 1000

n_sample = 2500; n_genes = 1000

n_sample = 5000; n_genes = 250

n_sample = 5000; n_genes = 500

n_sample = 5000; n_genes = 1000

n_sample = 5000; n_genes = 2000

n_sample = 10000; n_genes = 1000