countH_Pseudo_Perm: The Hotelling's T^2 with pseudo inverse of correlation matrix and permutation p-value.
countG: The global test.
countG_Perm: The global test with permutation p-value.
countGlobalAncova: The global ANCOVA test with permutation p-value.
countN_Perm: The energy test(N-statistic) with permutation p-value.
countGSEA_Category: The GSEA-like test(in Category package) with permutation p-value.

Mixture of Normal with same mean setting using fixed mean difference

	countH_Pseudo_Perm	countG	countG_Perm	countGlobalAncova	countN_Perm	countGSEA_Category
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:0.1	0.083	0.1	0.098	0.089	0.098	0.1
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:0.3	0.173	0.421	0.415	0.406	0.407	0.416
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:0.5	0.389	0.81	0.807	0.792	0.813	0.807
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:0.7	0.685	0.976	0.977	0.972	0.975	0.976
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:0.9	0.907	0.999	0.999	0.998	0.999	0.999
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:1	0.952	1	1	1	1	1
composition:0.5 0.5 ,rho:0.1 0.9 ,probes:30,size:70,difference:2	1	1	1	1	1	1