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.

Multivariate t-distribution	countH_Pseudo_Perm	countG	countG_Perm	countGlobalAncova	countN_Perm	countGSEA_Category
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:0.1	0.091	0.087	0.086	0.084	0.109	0.088
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:0.3	0.215	0.311	0.317	0.303	0.42	0.325
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:0.5	0.467	0.663	0.658	0.651	0.826	0.668
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:0.7	0.752	0.873	0.882	0.865	0.983	0.878
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:0.9	0.918	0.958	0.962	0.959	1	0.967
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:1	0.961	0.976	0.982	0.978	1	0.983
composition:1 ,rho:0.9 ,df:3,probes:30,size:70,difference:2	1	1	1	1	1	1