
There are 18653 genes.Controls: 1602, NAS: 1445

There are 18653 gene objects in the arrayList.
Printout first 50 control means:

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0.017478152309612985      0.01373283395755306 0.02372034956304619 0.0686641697877653 0.00749063670411985
0.017478152309612985      0.009987515605493134      0.024968789013732832      0.04369538077403246 0.00749063670411985
0.018726591760299626      0.011235955056179775      0.02122347066167291 0.0012484394506866417
0.008739076154806492
0.012484394506866416      0.017478152309612985      0.00749063670411985 0.02122347066167291 0.01373283395755306
0.04244694132334582 0.0      0.017478152309612985      0.052434456928838954      0.011235955056179775
0.08489388264669163 0.006242197253433208      0.04307116104868914 0.033707865168539325      0.041822721598002495
0.026217228464419477      0.0599250936329588      0.08739076154806492 0.0749063670411985      0.15792759051186017
0.056179775280898875      0.05368289637952559 0.12983770287141075 0.0449438202247191      0.03870162297128589
0.1373283395755306      0.05867665418227216 0.04868913857677903 0.05118601747815231 0.019975031210986267
0.0599250936329588      0.046192259675405745      0.056179775280898875      0.039950062421972535
0.004993757802746567
0.06117353308364544 0.03620474406991261 0.056179775280898875      0.04369538077403246 0.06991260923845194
0.06679151061173533 0.04868913857677903 0.10611735330836454 0.03870162297128589 0.033707865168539325
0.052434456928838954      0.06491885143570537 0.033707865168539325      0.009363295880149813
0.019975031210986267
0.02247191011235955 0.04119850187265917 0.008739076154806492      0.009987515605493134      0.004993757802746567
0.02247191011235955 0.011235955056179775      0.03620474406991261 0.02372034956304619 0.039950062421972535
0.035580524344569285      0.019975031210986267      0.008739076154806492      0.02247191011235955 0.02746566791510612
0.016229712858926344      0.004993757802746567      0.006242197253433208      0.016229712858926344
0.017478152309612985
0.017478152309612985      0.03620474406991261 0.018726591760299626      0.0      0.003745318352059925
0.0024968789013732834      0.006242197253433208      0.01373283395755306 0.006242197253433208      0.00749063670411985
0.01373283395755306 0.02746566791510612 0.008739076154806492      0.015605493133583021      0.03870162297128589
0.026217228464419477      0.0449438202247191      0.03870162297128589 0.039950062421972535      0.049937578027465665
0.046192259675405745      0.011235955056179775      0.0      0.00749063670411985 0.00749063670411985
0.01373283395755306 0.02247191011235955 0.0149812734082397      0.02746566791510612 0.10611735330836454
0.07053682896379526 0.0299625468164794      0.033707865168539325      0.04244694132334582 0.02122347066167291
0.03245942571785269 0.017478152309612985      0.012484394506866416      0.04244694132334582 0.1111111111111111
0.018726591760299626      0.018726591760299626      0.016229712858926344      0.012484394506866416
0.003745318352059925
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0.006242197253433208	0.016229712858926344	0.02372034956304	0.001248439450686	0.003745318352059925
0.0149812734082397	0.02122347066167291	0.02122347066167291	0.05742821473158552	0.019975031210986
0.003745318352059925	0.024968789013732832	0.009987515605493134	0.00749063670411985	0.05867665418227216
0.006242197253433208	0.026217228464419477	0.008739076154806492	0.026217228464419477	
0.009987515605493134				
0.004993757802746567	0.0599250936329588	0.011235955056179775	0.0	0.04868913857677903
0.019975031210986267	0.003745318352059925	0.004993757802746567	0.031835205992509365	
0.011235955056179775				
0.011235955056179775	0.02122347066167291	0.013108614232209739	0.024968789013732832	0.02247191011235955
0.039950062421972535	0.02122347066167291	0.006242197253433208	0.019975031210986267	
0.008739076154806492				
0.008739076154806492	0.017478152309612985	0.019975031210986267	0.02247191011235955	0.0149812734082397
0.04244694132334582	0.031210986267166042	0.012484394506866416	0.0149812734082397	0.03495630461922597
0.03245942571785269	0.02372034956304619	0.017478152309612985	0.012484394506866416	0.0149812734082397
0.024968789013732832	0.026217228464419477	0.03245942571785269	0.019975031210986267	0.00749063670411985
0.02871410736579276	0.0149812734082397	0.03620474406991261	0.05742821473158552	0.02247191011235955
0.016229712858926344	0.003745318352059925	0.0	0.00686641697877653	0.02122347066167291

Printout sample-variance

0.432226625639064	0.3347162988948851	0.7994463667820465	7.054630093030107	0.08367907472372127
0.46749631829117627	0.13554626980041973	1.1065001616359311	2.8326404137880012	0.08367907472372127
0.5041491361453813	0.2240662827312806	0.7994463667820465	0.002766250404089	0.11687407957279407
0.24965409896914217	0.46749631829117627	0.08367907472372127	0.5816041474599555	0.304979107050916
2.573304438404495	0.0	0.432226625639064	3.890039630751234	0.17704002586175008
12.233050849488592	0.04426000646543752	2.573304438404495	1.798754325259434	2.4896253636808447
1.0518667161553172	5.601657068282469	10.63346655332277	8.367907472372295	36.58366159409309
5.114796997162223	3.994465583506275	24.965409896914895	3.104424515989888	2.407329414159287
29.34715053699166	5.115406185270406	3.2925295434681225	3.994465583506275	0.6224063409202112
5.355460782318161	3.197785467128186	4.3160421929812225	2.326416589839822	0.04426000646543752

Printout control-variance:

0.5065609311706554	0.3156665902951949	0.9245309779754258	7.617008078230001	0.09732216751532452
0.5065609311706554	0.16968801482539406	1.0230969091381565	3.1004627486551817	0.09732216751532452
0.5801736593303872	0.2133568993813906	0.7423710374516048	0.0037437597509981184	0.1310097708700479
0.2620164245380099	0.5065609311706554	0.09732216751532452	0.7423710374516048	0.3156665902951949
2.9270372084835685	0.0	0.5065609311706554	4.4541794666775445	0.2133568993813906
11.623254951284935	0.06862520476120942	2.9282322658476057	1.852796364095611	2.759798924876767

1.1266534809017372	5.809143065550991	12.314460233074751	9.058059448161476	39.77406012459235
5.109203383411012	4.667530131655047	27.119222071038973	3.2788789294283274	2.436704431570189
30.330703973339443	5.570839197569466	3.8440713153505897	4.245819442301573	0.6587770280907392
5.809143065550991	3.4622857508011857	5.109203383411012	2.595158049940408	0.044918882607731025
6.05243757413132	2.134769116631655	5.109203383411012	3.1004627486551817	7.895237071014687
7.076687458404537	3.8440713153505897	18.134806523057748	2.436704431570189	1.852796364095611
4.4541794666775445	6.812264943477859	1.852796364095611	0.13224691046304426	0.6587770280907392
0.8309556874133178	2.758602308911668	0.1310097708700479	0.16968801482539406	0.044918882607731025
0.8309556874133178	0.2133568993813906	2.134769116631655	0.9245309779754258	2.595158049940408
1.9924918290337317	0.6587770280907392	0.1310097708700479	0.8309556874133178	1.235200693265713
0.43793884361154606	0.044918882607731025	0.06862520476120942	0.43793884361154606	0.5065609311706554
0.5065609311706554	2.134769116631655	0.5801736593303872	0.0	0.026203201054860986
0.01247816010261697	0.06862520476120942	0.3156665902951949	0.06862520476120942	0.09732216751532452
0.3156665902951949	1.235200693265713	0.1310097708700479	0.37553674324068864	2.436704431570189
1.1266534809017372	3.2788789294283274	2.436704431570189	2.595158049940408	4.042450058525315
3.4622857508011857	0.2133568993813906	0.0	0.09732216751532452	0.09732216751532452
0.3156665902951949	0.8309556874133178	0.37430739665305923	1.235200693265713	18.134806523057748
7.896397839155361	1.4672670397957592	1.852796364095611	2.9270372084835685	0.7423710374516048
1.7192959487280681	0.5065609311706554	0.2620164245380099	2.9270372084835685	19.876543209874928
0.5801736593303872	0.5801736593303872	0.43793884361154606	0.2620164245380099	0.026203201054860986
0.06862520476120942	0.43793884361154606	0.9245309779754258	0.0037437597509981184	0.026203201054860986
0.37430739665305923	0.7423710374516048	0.7423710374516048	5.337525970190382	0.582622215987429
0.026203201054860986	1.0230969091381565	0.16968801482539406	0.09732216751532452	5.570839197569466
0.06862520476120942	1.1266534809017372	0.1310097708700479	1.1266534809017372	0.16968801482539406
0.044918882607731025	5.809143065550991	0.2133568993813906	0.0	3.8440713153505897
0.6587770280907392	0.026203201054860986	0.044918882607731025	1.5919952587356527	0.2133568993813906
0.2133568993813906	0.7423710374516048	0.2632488883278202	1.0230969091381565	0.8309556874133178
2.595158049940408	0.7423710374516048	0.06862520476120942	0.6587770280907392	0.1310097708700479
0.1310097708700479	0.5065609311706554	0.6587770280907392	0.8309556874133178	0.37430739665305923
2.9270372084835685	1.3573279966832006	0.2620164245380099	0.37430739665305923	1.9912874200633217
1.7192959487280681	0.9245309779754258	0.5065609311706554	0.2620164245380099	0.37430739665305923
1.0230969091381565	1.0255298853961192	1.7192959487280681	0.6587770280907392	0.09732216751532452
1.3487385462305383	0.37430739665305923	2.134769116631655	5.337525970190382	0.8309556874133178
0.43793884361154606	0.026203201054860986	0.0	0.06986546155632983	0.7423710374516048

Printout Tj ArrayList:

55.27469308636255	69.6937866608777	41.1019218449704	14.441365805346658	123.30181608532772
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51.70865570599116	84.36568047337303	45.799200513956556	534.2223147376866	106.86225849434524
76.33109273689315	55.27469308636255	123.30181608532772	45.799200513956556	69.6937866608777
23.231682809809328	NaN	55.27469308636255	18.8586922975192	84.36568047337303
11.700681140523843	145.71905518965426	23.563704561539375	29.14513491414289	24.277130988081584
37.278542792398376	16.525673221803242	11.368748394183083	13.247870660018304	6.3609296915496385
17.61527057079378	18.42516225374757	7.66983652610472	21.958724780531377	25.444202093910828
7.253375991318205	16.87357984430996	20.290986717265465	19.313115198217062	48.57485709958963
16.525673221803242	21.37316366301543	17.61527057079378	24.66131109104111	178.09882026368825
16.191823343847627	27.16921448232083	17.61527057079378	22.57727496657147	14.185767823385433
15.12006862376306	20.290986717265465	9.374238417368897	25.444202093910828	29.14513491414289
18.8586922975192	15.266581799577656	29.14513491414289	113.42419983559219	48.57485709958963
43.32360984502604	23.925159413804202	106.86225849434524	94.29068998457973	178.09882026368825
43.32360984502604	84.36568047337303	27.16921448232083	41.1019218449704	24.66131109104111
28.607394604796156	48.57485709958963	106.86225849434524	43.32360984502604	35.62174166504847
59.369020079575606	178.09882026368825	145.71905518965426	59.369020079575606	55.27469308636255
55.27469308636255	27.16921448232083	51.70865570599116	NaN	228.97965738758217
320.56007994007894	145.71905518965426	69.6937866608777	145.71905518965426	123.30181608532772
69.6937866608777	35.62174166504847	106.86225849434524	66.57138202846113	25.444202093910828
37.278542792398376	21.958724780531377	25.444202093910828	24.66131109104111	19.78997856294704
21.37316366301543	84.36568047337303	NaN	123.30181608532772	123.30181608532772
69.6937866608777	43.32360984502604	64.11842302503388	35.62174166504847	9.374238417368897
14.310322542219714	32.71388145315491	29.14513491414289	23.231682809809328	45.799200513956556
30.244938364723946	55.27469308636255	76.33109273689315	23.231682809809328	8.955279503106318
51.70865570599116	51.70865570599116	59.369020079575606	76.33109273689315	228.97965738758217
145.71905518965426	59.369020079575606	41.1019218449704	534.2223147376866	228.97965738758217
64.11842302503388	45.799200513956556	45.799200513956556	17.236450092011168	54.92409800675039
228.97965738758217	39.096980591697296	94.29068998457973	123.30181608532772	16.87357984430996
145.71905518965426	37.278542792398376	106.86225849434524	37.278542792398376	94.29068998457973
178.09882026368825	16.525673221803242	84.36568047337303	NaN	20.290986717265465
48.57485709958963	228.97965738758217	178.09882026368825	32.03527128623719	84.36568047337303
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24.66131109104111	45.799200513956556	145.71905518965426	48.57485709958963	106.86225849434524
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34.1059430150944	64.11842302503388	27.16921448232083	17.236450092011168	43.32360984502604
59.369020079575606	228.97965738758217	NaN	157.44546382379687	45.799200513956556

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Print control mean == 0 gene names: 1709
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[illegible]