

DATASETS DESCRIPTION¹

Table 1. Datasets sizes

Dataset name	obj	feat	Dataset name	obj	feat	Dataset name	obj	Feat
Breast_norm_ova	97	24481	GDS4758_mul6_norm_3_ova	78	33297	arizona3_mul10_norm_3_ova	100	10304
CNS_norm_ova	60	7129	GDS4758_mul6_norm_4_ova	78	33297	arizona3_mul10_norm_4_ova	100	10304
DLBCL_norm_ova	135	7129	GDS4758_mul6_norm_5_ova	78	33297	arizona3_mul10_norm_5_ova	100	10304
GCM_norm_0_ova	190	16063	GDS4761_mul7_norm_0_ova	91	52378	arizona3_mul10_norm_6_ova	100	10304
GCM_norm_10_ova	190	16063	GDS4761_mul7_norm_1_ova	91	52378	arizona3_mul10_norm_7_ova	100	10304
GCM_norm_11_ova	190	16063	GDS4761_mul7_norm_2_ova	91	52378	arizona3_mul10_norm_8_ova	100	10304
GCM_norm_12_ova	190	16063	GDS4761_mul7_norm_3_ova	91	52378	arizona3_mul10_norm_9_ova	100	10304
GCM_norm_13_ova	190	16063	GDS4761_mul7_norm_4_ova	91	52378	arizona4_mul10_norm_0_ova	100	10000
GCM_norm_1_ova	190	16063	GDS4761_mul7_norm_5_ova	91	52378	arizona4_mul10_norm_1_ova	100	10000
GCM_norm_2_ova	190	16063	GDS4761_mul7_norm_6_ova	91	52378	arizona4_mul10_norm_2_ova	100	10000
GCM_norm_3_ova	190	16063	GDS4794_norm_ova	65	54675	arizona4_mul10_norm_3_ova	100	10000
GCM_norm_4_ova	190	16063	GDS4820_norm_ova	45	54675	arizona4_mul10_norm_4_ova	100	10000
GCM_norm_5_ova	190	16063	GDS4822_mul5_norm_0_ova	45	45101	arizona4_mul10_norm_5_ova	100	10000
GCM_norm_6_ova	190	16063	GDS4822_mul5_norm_1_ova	45	45101	arizona4_mul10_norm_6_ova	100	10000
GCM_norm_7_ova	190	16063	GDS4822_mul5_norm_2_ova	45	45101	arizona4_mul10_norm_7_ova	100	10000
GCM_norm_8_ova	190	16063	GDS4822_mul5_norm_3_ova	45	45101	arizona4_mul10_norm_8_ova	100	10000
GCM_norm_9_ova	190	16063	GDS4822_mul5_norm_4_ova	45	45101	arizona4_mul10_norm_9_ova	100	10000
GDS2680_norm_ova	98	31099	GDS4837_mul3_norm_0_ova	88	54675	arizona5_norm_ova	187	19993
GDS2771_norm_ova	192	22283	GDS4837_mul3_norm_1_ova	88	54675	arizona6_mul4_norm_0_ova	171	5748
GDS2819_norm_0_ova	99	54675	GDS4837_mul3_norm_2_ova	88	54675	arizona6_mul4_norm_1_ova	171	5748
GDS2819_norm_1_ova	99	54675	GDS4837_mul3_norm_3_ova	88	54675	arizona6_mul4_norm_2_ova	171	5748
GDS2819_norm_2_ova	99	54675	GDS4847_norm_ova	50	45101	arizona6_mul4_norm_3_ova	171	5748
GDS2901_norm_ova	84	15923	GDS4848_norm_ova	50	31099	arizona7_mul10_norm_0_ova	130	2400
GDS2947_norm_ova	64	54675	GDS4881_mul4_norm_0_ova	73	33297	arizona7_mul10_norm_1_ova	130	2400
GDS2954_norm_ova	50	22283	GDS4881_mul4_norm_1_ova	73	33297	arizona7_mul10_norm_2_ova	130	2400
GDS2960_norm_ova	101	4132	GDS4881_mul4_norm_2_ova	73	33297	arizona7_mul10_norm_3_ova	130	2400
GDS2961_norm_ova	67	8448	GDS4881_mul4_norm_3_ova	73	33297	arizona7_mul10_norm_4_ova	130	2400
GDS2962_norm_ova	67	8448	GDS4896_mul3_norm_0_ova	54	28231	arizona7_mul10_norm_5_ova	130	2400
GDS2998_norm_0_ova	60	31099	GDS4896_mul3_norm_1_ova	54	28231	arizona7_mul10_norm_6_ova	130	2400
GDS2998_norm_1_ova	60	31099	GDS4896_mul3_norm_2_ova	54	28231	arizona7_mul10_norm_7_ova	130	2400
GDS2998_norm_2_ova	60	31099	GDS4901_norm_ova	46	54675	arizona7_mul10_norm_8_ova	130	2400
GDS3057_norm_ova	64	22283	GDS4926_norm_ova	60	54675	arizona7_mul10_norm_9_ova	130	2400
GDS3116_norm_ova	116	22283	GDS4940_norm_ova	38	31099	arizona8_mul10_norm_0_ova	210	2420
GDS3145_norm_ova	64	22690	GDS4968_mul4_norm_0_ova	99	33297	arizona8_mul10_norm_1_ova	210	2420
GDS3233_norm_0_ova	61	22283	GDS4968_mul4_norm_1_ova	99	33297	arizona8_mul10_norm_2_ova	210	2420
GDS3233_norm_1_ova	61	22283	GDS4968_mul4_norm_2_ova	99	33297	arizona8_mul10_norm_3_ova	210	2420
GDS3233_norm_2_ova	61	22283	GDS4968_mul4_norm_3_ova	99	33297	arizona8_mul10_norm_4_ova	210	2420
GDS3244_norm_ova	160	61170	GDS4984_norm_ova	38	54675	arizona8_mul10_norm_5_ova	210	2420
GDS3257_norm_ova	107	22283	GDS5016_mul4_norm_0_ova	32	33297	arizona8_mul10_norm_6_ova	210	2420

¹ Datasets could be found at <http://www.ebi.ac.uk/arrayexpress/>, <http://eps.upo.es/bigs/datasets.html>, <http://www.ncbi.nlm.nih.gov/sites/GDSbrowser/>, <http://datam.i2r.a-star.edu.sg/datasets/krbd/>, http://www.tech.plym.ac.uk/spmc/links/bioinformatics/microarray/microarray_cancers.html, <http://csse.szu.edu.cn/staff/zhuzx/Datasets.html>, <http://tunedit.org/repo/RSCTC/2010/B/public>

GDS3539_norm_ova	82	54675	GDS5016_mul4_norm_1_ova	32	33297	arizona8_mul10_norm_7_ova	210	2420
GDS3553_norm_ova	96	26496	GDS5016_mul4_norm_2_ova	32	33297	arizona8_mul10_norm_8_ova	210	2420
GDS3622_norm_ova	110	45101	GDS5016_mul4_norm_3_ova	32	33297	arizona8_mul10_norm_9_ova	210	2420
GDS3875_norm_0_ova	117	22645	GDS5022_norm_ova	31	54675	broadA12600_mul5_norm_0_ova	203	12600
GDS3875_norm_1_ova	117	22645	GDS5037_mul3_norm_0_ova	108	41108	broadA12600_mul5_norm_1_ova	203	12600
GDS3899_norm_ova	108	45101	GDS5037_mul3_norm_2_ova	108	41108	broadA12600_mul5_norm_2_ova	203	12600
GDS3929_norm_ova	183	24526	GDS5047_norm_ova	60	49576	broadA12600_mul5_norm_3_ova	203	12600
GDS3953_norm_ova	91	45101	GDS5083_norm_ova	64	33297	broadA12600_mul5_norm_4_ova	203	12600
GDS3966_norm_ova	83	22283	GDS5085_norm_ova	6	33297	broadB12600_norm_ova	156	12600
GDS3995_norm_ova	90	35557	GDS5086_mul4_norm_0_ova	15	54675	colon_norm_ova	62	2000
GDS4056_norm_ova	61	22283	GDS5086_mul4_norm_1_ova	15	54675	data1_train_norm_ova	123	54675
GDS4103_norm_ova	78	54675	GDS5086_mul4_norm_2_ova	15	54675	data2_train_norm_0_ova	105	22283
GDS4109_norm_ova	79	22283	GDS5086_mul4_norm_3_ova	15	54675	data2_train_norm_1_ova	105	22283
GDS4129_norm_ova	120	54675	GDS5086_mul4_norm_4_ova	15	54675	data2_train_norm_2_ova	105	22283
GDS4130_norm_ova	104	54675	GDS5087_norm_ova	8	45101	data3_train_norm_0_ova	95	22277
GDS4181_norm_ova	80	54675	GDS5088_mul5_norm_0_ova	48	33297	data3_train_norm_1_ova	95	22277
GDS4182_norm_ova	96	54675	GDS5088_mul5_norm_1_ova	48	33297	data3_train_norm_2_ova	95	22277
GDS4185_norm_ova	67	22283	GDS5088_mul5_norm_2_ova	48	33297	data3_train_norm_3_ova	95	22277
GDS4222_norm_ova	130	54675	GDS5088_mul5_norm_3_ova	48	33297	data3_train_norm_4_ova	95	22277
GDS4261_norm_ova	104	22769	GDS5088_mul5_norm_4_ova	48	33297	data4_train_norm_0_ova	113	54675
GDS4318_norm_0_ova	108	33297	GDS5089_norm_ova	8	45101	data4_train_norm_1_ova	113	54675
GDS4318_norm_1_ova	108	33297	GDS5090_norm_ova	6	45101	data4_train_norm_2_ova	113	54675
GDS4318_norm_2_ova	108	33297	GDS5091_norm_ova	7	45101	data4_train_norm_3_ova	113	54675
GDS4336_norm_ova	90	33297	GDS5092_norm_ova	13	35557	data4_train_norm_4_ova	113	54675
GDS4381_norm_ova	64	54675	GDS5093_mul4_norm_0_ova	56	54715	data5_train_norm_0_ova	89	54613
GDS4395_norm_ova	80	54675	GDS5093_mul4_norm_1_ova	56	54715	data5_train_norm_1_ova	89	54613
GDS4431_norm_ova	146	54675	GDS5093_mul4_norm_2_ova	56	54715	data5_train_norm_2_ova	89	54613
GDS4437_norm_ova	88	24128	GDS5093_mul4_norm_3_ova	56	54715	data5_train_norm_3_ova	89	54613
GDS4502_norm_0_ova	78	45101	Leukemia_3c_norm_0_ova	72	7129	data6_train_norm_0_ova	92	59004
GDS4502_norm_1_ova	78	45101	Leukemia_3c_norm_1_ova	72	7129	data6_train_norm_1_ova	92	59004
GDS4516_norm_0_ova	104	54675	Leukemia_3c_norm_2_ova	72	7129	data6_train_norm_2_ova	92	59004
GDS4516_norm_1_ova	104	54675	MLL_norm_0_ova	72	12582	data6_train_norm_3_ova	92	59004
GDS4516_norm_2_ova	104	54675	MLL_norm_1_ova	72	12582	data6_train_norm_4_ova	92	59004
GDS4589_mul3_norm_0.	103	54675	MLL_norm_2_ova	72	12582	lungCancer_norm_ova	181	12533
GDS4589_mul3_norm_1.	103	54675	Ovarian_norm_ova	253	15154	plyBrainTumor_mul3_norm_0_ova	50	10367
GDS4589_mul3_norm_2.	103	54675	arizona1_mul4_norm_0_ova	180	49151	plyBrainTumor_mul3_norm_1_ova	50	10367
GDS4600_norm_ova	170	54675	arizona1_mul4_norm_1_ova	180	49151	plyBrainTumor_mul3_norm_2_ova	50	10367
GDS4602_mul3_norm_0.	180	54675	arizona1_mul4_norm_2_ova	180	49151	plyBrainTumor_mul3_norm_3_ova	50	10367
GDS4602_mul3_norm_1.	180	54675	arizona1_mul4_norm_3_ova	180	49151	plySRBCT_mul3_norm_0_ova	83	2308
GDS4602_mul3_norm_2.	180	54675	arizona2_norm_ova	85	22283	plySRBCT_mul3_norm_1_ova	83	2308
GDS4758_mul6_norm_0.	78	33297	arizona3_mul10_norm_0_ova	100	10304	plySRBCT_mul3_norm_2_ova	83	2308
GDS4758_mul6_norm_1.	78	33297	arizona3_mul10_norm_1_ova	100	10304	plySRBCT_mul3_norm_3_ova	83	2308
GDS4758_mul6_norm_2.	78	33297	arizona3_mul10_norm_2_ova	100	10304	prostate_tumor_norm_ova	136	12600

TABLE 2. RECOMMENDER SYSTEM RESULTS

Dataset name	Recommended aggregation point	Result in recommended point	General MeLiF result for selected dataset	Result type
GDS2819_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS2819_norm_1_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS2901_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS2947_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS2954_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS2960_norm_ova	[0.5 0.0 1.0 0.0]	best	best	1
GDS3145_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS3233_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS3233_norm_1_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS3244_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS3553_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS3622_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4129_norm_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4130_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4261_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4381_norm_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4437_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4502_norm_0_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4502_norm_1_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4516_norm_1_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4589_mul3_norm_2_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4600_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4602_mul3_norm_2_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4758_mul6_norm_2_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS4761_mul7_norm_0_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4761_mul7_norm_3_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4761_mul7_norm_6_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4794_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS4822_mul5_norm_3_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS4822_mul5_norm_4_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS4837_mul3_norm_0_ova	[0.0 0.0 0.0 0.75]	best	best	1
GDS4896_mul3_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS4940_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS4968_mul4_norm_3_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS5016_mul4_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5016_mul4_norm_1_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5016_mul4_norm_2_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5016_mul4_norm_3_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5047_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS5085_norm_ova	[0.75 0.0 0.0 0.0]	best	best	1
GDS5086_mul4_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5086_mul4_norm_1_ova	[0.0 0.75 0.0 0.0]	best	best	1

GDS5086_mul4_norm_2_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5086_mul4_norm_3_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5086_mul4_norm_4_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5087_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5088_mul5_norm_4_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5089_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5090_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5091_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
GDS5092_norm_ova	[0.0 0.75 0.0 0.0]	best	best	1
MLL_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_1_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_2_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_4_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_5_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_6_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona3_mul10_norm_7_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona4_mul10_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona4_mul10_norm_4_ova	[0.0 0.0 0.75 0.0]	best	best	1
arizona4_mul10_norm_5_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona4_mul10_norm_8_ova	[0.0 0.0 0.75 0.0]	best	best	1
arizona4_mul10_norm_9_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona6_mul4_norm_3_ova	[0.5 0.0 1.0 0.0]	best	best	1
arizona7_mul10_norm_1_ova	[0.75 0.0 0.0 0.0]	best	best	1
arizona8_mul10_norm_0_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona8_mul10_norm_3_ova	[0.0 0.75 0.0 0.0]	best	best	1
arizona8_mul10_norm_5_ova	[0.0 0.75 0.0 0.0]	best	best	1
broadA12600_mul5_norm_1.	[0.0 0.0 0.75 0.0]	best	best	1
data3_train(95,22277)_norm_4.	[0.75 0.0 0.0 0.0]	best	best	1
data4_train(113,54675)_norm_1.	[0.0 0.0 0.0 0.75]	best	best	1
data5_train(89,54613)_norm_3.	[0.0 0.0 0.0 0.75]	best	best	1
plySRBCT_mul3_norm_2_ova	[0.75 0.0 0.0 0.0]	best	best	1
CNS(60,7129)_norm_ova	[0.0 0.75 0.0 0.0]	0.697	0.809	2
DLBCL_norm_ova	[0.0 0.75 0.0 0.0]	0.704	0.828	2
GCM_norm_10_ova	[0.75 0.25 0.0 0.0]	0.392	0.725	2
GCM_norm_2_ova	[0.0 0.0 -0.25 0.75]	0.335	0.782	2
GCM_norm_3_ova	[0.0 0.0 -0.25 0.75]	0.621	0.853	2
GCM_norm_5_ova	[1.25 0.0 -0.25 0.0]	0.578	0.680	2
GCM_norm_7_ova	[0.5 1.25 0.0 0.25]	0.438	0.667	2
GCM_norm_8_ova	[-0.25 0.25 1.0 -0.25]	0.927	0.987	2
GCM_norm_9_ova	[0.25 1.0 0.0 0.0]	0.557	0.808	2
GDS2680_norm_ova	[0.0 0.0 0.0 0.75]	0.956	0.991	2
GDS2771_norm_ova	[0.0 0.0 0.0 0.75]	0.685	0.806	2
GDS2998_norm_0_ova	[0.0 0.75 0.0 0.0]	0.209	0.827	2
GDS2998_norm_2_ova	[0.0 0.0 0.0 0.75]	0.815	0.933	2
GDS3257_norm_ova	[0.75 0.0 0.0 0.0]	0.951	0.990	2
GDS3875_norm_0_ova	[0.0 0.75 0.0 0.0]	0.381	0.843	2
GDS3875_norm_1_ova	[0.0 0.75 0.0 0.0]	0.439	0.933	2
GDS3966_norm_ova	[0.0 0.75 0.0 0.0]	0.964	0.984	2
GDS4109_norm_ova	[0.75 0.0 0.0 0.0]	0.835	0.928	2
GDS4181_norm_ova	[0.0 0.0 0.0 0.75]	0.687	0.817	2
GDS4185_norm_ova	[0.75 0.0 0.0 0.0]	0.846	0.962	2
GDS4318_norm_0_ova	[0.0 0.0 0.0 0.75]	0.698	0.869	2
GDS4318_norm_1_ova	[0.0 0.0 0.0 0.75]	0.927	0.969	2
GDS4336_norm_ova	[0.0 0.75 0.0 0.0]	0.884	0.922	2
GDS4395_norm_ova	[0.75 0.0 0.0 0.0]	0.893	0.984	2
GDS4431_norm_ova	[0.0 0.0 0.0 0.75]	0.762	0.863	2

GDS4516_norm_2_ova	[0.0 0.0 0.0 0.75]	0.810	0.916	2
GDS4589_mul3_norm_0_ova	[0.0 0.0 0.0 0.75]	0.952	0.985	2
GDS4758_mul6_norm_1_ova	[0.0 0.75 0.0 0.0]	0.589	0.833	2
GDS4758_mul6_norm_4_ova	[0.0 0.75 0.0 0.0]	0.784	0.897	2
GDS4758_mul6_norm_5_ova	[0.0 0.75 0.0 0.0]	0.735	0.869	2
GDS4761_mul7_norm_5_ova	[0.0 0.0 0.0 0.75]	0.861	0.951	2
GDS4822_mul5_norm_0_ova	[0.75 0.0 0.0 0.0]	0.833	1.000	2
GDS4822_mul5_norm_2_ova	[0.0 0.75 0.0 0.0]	0.601	0.971	2
GDS4837_mul3_norm_3_ova	[0.0 0.0 0.0 0.75]	0.938	0.991	2
GDS4847_norm_ova	[0.0 0.0 0.0 0.75]	0.928	0.975	2
GDS4881_mul4_norm_0_ova	[0.0 0.0 0.0 0.75]	0.810	0.921	2
GDS4881_mul4_norm_1_ova	[0.0 0.75 0.0 0.0]	0.703	0.768	2
GDS4881_mul4_norm_2_ova	[0.0 0.75 0.0 0.0]	0.695	0.935	2
GDS4881_mul4_norm_3_ova	[0.75 0.0 0.0 0.0]	0.690	0.813	2
GDS4896_mul3_norm_2_ova	[0.0 0.75 0.0 0.0]	0.843	0.976	2
GDS4901_norm_ova	[0.75 0.0 0.0 0.0]	0.787	0.946	2
GDS4968_mul4_norm_0_ova	[0.0 0.0 0.0 0.75]	0.866	0.958	2
GDS4968_mul4_norm_1_ova	[0.0 0.0 0.0 0.75]	0.777	0.960	2
GDS5022_norm_ova	[0.0 0.75 0.0 0.0]	0.947	1.000	2
GDS5037_mul3_norm_2_ova	[0.0 0.0 0.0 0.75]	0.740	0.893	2
GDS5088_mul5_norm_1_ova	[0.0 0.75 0.0 0.0]	0.560	1.000	2
GDS5088_mul5_norm_2_ova	[0.0 1.0 0.0 -0.25]	0.855	0.944	2
GDS5093_mul4_norm_0_ova	[0.0 0.75 0.0 0.0]	0.783	0.944	2
GDS5093_mul4_norm_2_ova	[0.0 0.75 0.0 0.0]	0.712	0.952	2
Leukemia_3c(72,7129)_norm_0_	[0.0 0.75 0.0 0.0]	0.940	0.991	2
Leukemia_3c(72,7129)_norm_1_ova	[0.0 1.0 0.0 -0.25]	0.899	0.985	2
Leukemia_3c(72,7129)_norm_2_ova	[0.75 0.0 0.0 0.0]	0.782	0.800	2
MLL_norm_1_ova	[0.75 0.0 0.0 0.0]	0.853	1.000	2
MLL_norm_2_ova	[0.0 0.75 0.0 0.0]	0.855	0.987	2
arizona1_mul4_norm_0_ova	[-0.25 -0.25 1.25 0.25]	0.875	0.927	2
arizona1_mul4_norm_2_ova	[0.25 0.75 0.25 0.0]	0.767	0.818	2
arizona1_mul4_norm_3_ova	[0.0 0.0 0.0 -0.5]	0.704	0.752	2
arizona2_norm_ova	[0.75 0.0 0.0 0.0]	0.940	0.962	2
arizona3_mul10_norm_0_ova	[0.0 0.75 0.0 0.0]	0.711	0.960	2
arizona3_mul10_norm_3_ova	[0.0 0.75 0.0 0.0]	0.697	1.000	2
arizona3_mul10_norm_8_ova	[0.0 0.75 0.0 0.0]	0.771	1.000	2
arizona4_mul10_norm_2_ova	[0.0 0.0 0.75 0.0]	0.812	1.000	2
arizona4_mul10_norm_6_ova	[0.0 0.75 0.0 0.0]	0.772	1.000	2
arizona6_mul4_norm_0_ova	[0.5 0.0 1.0 0.0]	0.742	0.892	2
arizona6_mul4_norm_1_ova	[0.5 0.0 1.0 0.0]	0.755	0.859	2
arizona6_mul4_norm_2_ova	[1.25 -0.25 0.25 0.0]	0.732	0.889	2
arizona7_mul10_norm_0_ova	[0.75 0.0 0.0 0.0]	0.852	1.000	2
arizona7_mul10_norm_7_ova	[0.75 0.0 0.0 0.0]	0.939	1.000	2
broadA12600_mul5_norm_0_ova	[0.0 0.0 0.75 0.0]	0.951	0.971	2
broadA12600_mul5_norm_2_ova	[0.0 0.0 0.75 0.0]	0.171	0.833	2
broadA12600_mul5_norm_3_ova	[0.0 0.0 0.0 0.75]	0.657	0.881	2
broadB12600_norm_ova	[0.0 0.0 0.0 0.75]	0.669	0.967	2
data1_train(123,54675)_norm_ova	[0.0 0.0 0.0 0.75]	0.793	0.858	2
data2_train(105,22283)_norm_0_ova	[0.0 0.0 0.0 0.75]	0.796	0.869	2
data3_train(95,22277)_norm_0_ova	[0.75 0.0 0.0 0.0]	0.921	0.987	2
data3_train(95,22277)_norm_1_ova	[0.0 0.75 0.0 0.0]	0.657	0.733	2
data4_train(113,54675)_norm_0_ova	[0.0 0.0 0.0 0.75]	0.533	0.873	2
data4_train(113,54675)_norm_2_ova	[0.0 0.0 0.0 0.75]	0.702	0.831	2
data4_train(113,54675)_norm_3_ova	[0.0 0.0 0.0 0.75]	0.679	0.878	2
data4_train(113,54675)_norm_4_ova	[0.0 0.25 0.0 1.0]	0.420	0.750	2
data5_train(89,54613)_norm_0_ova	[0.0 0.0 0.0 0.75]	0.708	0.917	2

data5_train(89,54613)_norm_1_ova	[0.0 0.0 0.0 0.75]	0.674	0.861	2
data5_train(89,54613)_norm_2_ova	[0.0 0.0 0.0 0.75]	0.774	0.912	2
data6_train(92,59004)_norm_0_ova	[0.0 0.0 0.0 0.75]	0.603	0.856	2
data6_train(92,59004)_norm_1_ova	[0.25 1.0 -0.25 0.0]	0.576	0.778	2
data6_train(92,59004)_norm_2_ova	[0.0 0.0 0.0 0.75]	0.815	0.833	2
data6_train(92,59004)_norm_4_ova	[0.25 1.0 0.0 -0.25]	0.415	0.778	2
lungCancer_norm_ova	[0.75 0.0 0.0 0.0]	0.842	0.983	2
plyBrainTumor_mul3_norm_2_ova	[0.0 0.75 0.0 0.0]	0.686	0.865	2
plyBrainTumor_mul3_norm_3_ova	[0.0 0.75 0.0 0.0]	0.774	0.949	2
plySRBCT_mul3_norm_1_ova	[0.0 0.0 0.75 0.0]	0.812	1.000	2
GDS3057_norm_ova	[0.75 0.0 0.0 0.0]	0.991	1.000	3
GDS3539_norm_ova	[0.75 0.0 0.0 0.0]	0.989	1.000	3
GDS3995_norm_ova	[0.0 0.0 0.0 0.75]	0.983	1.000	3
GDS4589_mul3_norm_1_ova	[0.0 0.0 0.0 0.75]	0.778	0.833	3
GDS4758_mul6_norm_3_ova	[0.0 0.75 0.0 0.0]	0.790	0.833	3
GDS4761_mul7_norm_1_ova	[0.0 0.0 0.0 0.75]	0.466	0.667	3
GDS4761_mul7_norm_4_ova	[0.0 0.0 0.0 0.75]	0.000	0.333	3
GDS4820_norm_ova	[0.0 0.75 0.0 0.0]	0.895	1.000	3
GDS4837_mul3_norm_2_ova	[0.0 0.0 0.0 0.75]	0.520	0.667	3
GDS4848_norm_ova	[0.0 0.75 0.0 0.0]	0.982	0.988	3
GDS4926_norm_ova	[0.0 0.0 0.0 0.75]	1.000	1.000	3
GDS5088_mul5_norm_0_ova	[0.0 0.75 0.0 0.0]	0.675	1.000	3
GDS5088_mul5_norm_3_ova	[0.75 0.0 0.0 0.0]	0.685	0.833	3
GDS5093_mul4_norm_3_ova	[0.0 0.75 0.0 0.0]	0.486	0.833	3
Ovarian(253,15154)_norm_ova	[-0.25 0.25 1.0 0.0]	0.999	1.000	3
arizona3_mul10_norm_9_ova	[0.0 0.75 0.0 0.0]	0.637	1.000	3
arizona4_mul10_norm_1_ova	[0.0 0.75 0.0 0.0]	0.880	1.000	3
arizona4_mul10_norm_3_ova	[0.0 0.75 0.0 0.0]	0.704	1.000	3
arizona7_mul10_norm_2_ova	[0.75 0.0 0.0 0.0]	0.746	0.971	3
arizona7_mul10_norm_5_ova	[1.0 -0.5 0.0 0.25]	1.000	1.000	3
arizona7_mul10_norm_6_ova	[0.75 0.0 0.0 0.0]	0.811	0.960	3
arizona7_mul10_norm_9_ova	[0.75 0.0 0.0 0.0]	0.839	1.000	3
arizona8_mul10_norm_1_ova	[0.0 0.0 0.75 0.0]	0.968	1.000	3
arizona8_mul10_norm_2_ova	[0.75 0.0 0.0 0.0]	0.963	1.000	3
arizona8_mul10_norm_4_ova	[0.0 0.75 0.0 0.0]	0.905	1.000	3
arizona8_mul10_norm_6_ova	[0.0 0.0 0.75 0.0]	0.914	1.000	3
arizona8_mul10_norm_7_ova	[0.0 0.75 0.0 0.0]	0.858	1.000	3
arizona8_mul10_norm_8_ova	[0.75 0.0 0.0 0.0]	0.980	1.000	3
arizona8_mul10_norm_9_ova	[0.0 0.0 0.75 0.0]	0.936	1.000	3
broadA12600_mul5_norm_4_ova	[0.0 0.0 0.75 0.0]	0.807	0.833	3
data2_train(105,22283)_norm_2_ova	[0.0 0.75 0.0 0.0]	0.683	0.800	3
data3_train(95,22277)_norm_3_ova	[0.0 0.75 0.0 0.0]	0.897	0.978	3
plySRBCT_mul3_norm_0_ova	[0.75 0.0 0.0 0.0]	0.852	1.000	3
Breast(97,24481)_norm_ova	[-0.25 0.25 0.0 1.25]	0.674	0.838	4
GCM_norm_0_ova	[0.5 1.0 0.0 0.0]	0.232	0.613	4
GCM_norm_11_ova	[0.75 1.0 -0.25 0.0]	0.191	0.490	4
GCM_norm_12_ova	[0.25 1.75 0.0 -0.5]	0.517	0.865	4
GCM_norm_13_ova	[0.0 0.25 0.0 0.75]	0.936	0.978	4
GCM_norm_4_ova	[1.0 -0.25 1.5 0.0]	0.892	0.975	4
GCM_norm_6_ova	[0.5 1.25 -0.25 -0.25]	0.419	0.733	4
GDS2961_norm_ova	[0.0 0.75 0.0 0.0]	0.596	0.798	4
GDS2962_norm_ova	[0.0 0.75 0.0 0.0]	0.700	0.864	4
GDS2998_norm_1_ova	[0.0 0.0 0.0 0.75]	0.663	0.880	4
GDS3116_norm_ova	[0.0 0.0 0.0 0.75]	0.735	0.878	4
GDS3899_norm_ova	[0.0 0.0 0.0 0.75]	0.864	0.944	4
GDS3929_norm_ova	[1.75 1.0 1.0 1.25]	0.730	0.856	4

GDS3953_norm_ova	[0.75 0.0 0.0 0.0]	0.893	0.994	4
GDS4056_norm_ova	[0.0 0.0 0.0 0.75]	0.719	0.872	4
GDS4103_norm_ova	[0.0 0.0 0.0 0.75]	0.817	0.930	4
GDS4222_norm_ova	[0.75 0.0 0.0 0.0]	0.961	0.975	4
GDS4318_norm_2_ova	[0.0 0.0 0.0 0.75]	0.731	0.836	4
GDS4516_norm_0_ova	[0.0 0.0 0.0 0.75]	0.918	0.958	4
GDS4602_mul3_norm_0_ova	[0.75 0.0 0.0 0.0]	0.806	0.835	4
GDS4602_mul3_norm_1_ova	[0.0 0.0 0.0 0.75]	0.681	0.754	4
GDS4758_mul6_norm_0_ova	[0.0 0.0 0.0 0.75]	0.433	0.667	4
GDS4761_mul7_norm_2_ova	[0.0 0.0 0.0 0.75]	0.528	0.706	4
GDS4837_mul3_norm_1_ova	[0.0 0.0 0.0 0.75]	0.864	0.936	4
GDS4896_mul3_norm_1_ova	[0.0 0.75 0.0 0.0]	0.727	0.915	4
GDS4968_mul4_norm_2_ova	[0.0 0.0 0.0 0.75]	0.764	0.952	4
GDS4984_norm_ova	[0.0 0.0 0.0 0.75]	0.941	0.963	4
GDS5037_mul3_norm_0_ova	[0.0 0.0 0.0 0.75]	0.757	0.825	4
GDS5083_norm_ova	[0.0 0.75 0.0 0.0]	0.696	0.843	4
GDS5093_mul4_norm_1_ova	[0.0 0.75 0.0 0.0]	0.554	0.711	4
arizona1_mul4_norm_1_ova	[0.0 0.0 0.0 0.75]	0.490	0.620	4
arizona5_norm_ova	[0.5 1.0 0.0 0.0]	0.685	0.812	4
arizona7_mul10_norm_3_ova	[0.75 0.0 0.0 0.0]	0.739	0.895	4
arizona7_mul10_norm_4_ova	[0.75 0.0 0.0 0.0]	0.807	0.945	4
arizona7_mul10_norm_8_ova	[0.75 0.0 0.0 0.0]	0.738	0.933	4
colon(62,2000)_norm_ova	[1.0 0.25 -0.25 0.25]	0.808	0.908	4
data3_train(95,22277)_norm_2_ova	[0.0 0.0 0.0 0.75]	0.877	0.942	4
data6_train(92,59004)_norm_3_ova	[0.0 0.0 0.0 0.75]	0.682	0.818	4
plyBrainTumor_mul3_norm_0_ova	[0.0 0.75 0.0 0.0]	0.794	0.898	4
plyBrainTumor_mul3_norm_1_ova	[0.0 0.75 0.0 0.0]	0.560	0.700	4
plySRBCT_mul3_norm_3_ova	[0.0 0.0 0.75 0.0]	0.950	0.958	4
prostate_tumor_norm_ova	[0.0 0.0 0.0 0.75]	0.804	0.940	4
GCM_norm_1_ova	[1.25 0.0 -0.25 0.0]	0.544	0.633	5
GDS2819_norm_2_ova	[0.0 0.0 0.0 0.75]	0.778	0.912	5
GDS3233_norm_2_ova	[0.0 0.75 0.0 0.0]	0.882	0.822	5
GDS4182_norm_ova	[0.0 0.0 0.0 0.75]	0.899	0.973	5
GDS4822_mul5_norm_1_ova	[0.0 0.75 0.0 0.0]	0.851	0.905	5
arizona4_mul10_norm_7_ova	[0.0 0.75 0.0 0.0]	0.752	0.933	5
data2_train(105,22283)_norm_1_ova	[0.0 0.0 0.0 0.75]	0.835	0.870	5