

Supplementary Information:
Detailed Tables and Shared Decision Trees
Accompanying [DH10:SDT]

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Abstract

This note contains supplementary information for [DH10:SDT]. Specifically, [DH10:SDT] omitted detailed quality results for shared decision trees mined from some dataset pairs in many tables, and it did not contain the mined shared decision trees for most of the dataset pairs, in order to save space. This supplementary note contains the complete tables and the mined shared decision trees for all dataset pairs. The mined shared decision trees might be of interest to medical scientists who study the corresponding cancers (breast cancer, central nervous system embryonal tumor, diffuse large B-Cell lymphoma, lung cancer, and prostate cancer) and their treatment.

[DH10:SDT] Guozhu Dong and Qian Han. Mining Shared Decision Trees for Human Knowledge and Understanding Transfer. Technical Report. CSE, WSU. 2010.

1 Datasets Description

BC is a breast cancer data set first published in [1]; the "relapse" class is tissues from patients who had developed distant metastases within 5 years, and the "non-relapse" class is tissues from patients who remained healthy for at least 5 years from the disease after their initial diagnosis. *CN* is a Central Nervous System Embryonal Tumour dataset first published in [2]; the dataset is about patient treatment outcome prediction. Survivors are patients who are alive after treatment while the failures are those who succumbed to their disease. *DH* is a Diffuse Large B-Cell Lymphoma-Harvard data set first published in [3]; the dataset is to predict the patient outcome of DLBCL. The "cured" class is tissues from cured patients, and the "fatal" class is tissues from patients with fatal or refractory disease. *LB* is a LungCancer-Brigham And Women Hospital-Harvard Medical School data set first published in [4]; the dataset is to classify between malignant pleural mesothelioma (MPM) and adenocarcinoma (ADCA) of the lung. *LM* is a LungCancer-Michigan data set first published in [5]. The "tumor" class is tissues from lung adenocarcinomas patients, and the "normal" class is tissues from non-neoplastic lung patients. *PC* is a Prostate Cancer data set first published in [6]; the dataset is to classify tumor versus normal. The "Tumor" class contains prostate tumor samples, and the "normal" class non-tumor prostate samples.

We normalized the data so that each column/gene of each dataset has a mean of zero and a standard deviation of one. For each dataset pair, in our experiments we used the class pairing where the first classes (as given in Table 1) of the two datasets are considered equivalent, and their second classes are considered equivalent.

References

- [1] L. J. van't Veer, "Gene expression profiling predicts clinical outcome of breast cancer," *Nature*, vol. 415, pp. 530–536, 2002.

Table 1: Original Class 1 and Class 2 Names of Datasets

Dataset	Class 1	Class 2
<i>BC</i>	relapse	non-relapse
<i>CN</i>	class 1	class 0
<i>DH</i>	cured	fatal
<i>LB</i>	MPM	ADCA
<i>LM</i>	tumor	normal
<i>PC</i>	tumor	normal

- [2] S. L. Pomeroy, “Prediction of central nervous system embryonal tumour outcome based on gene expression,” *Nature*, vol. 415, pp. 436–442, Jan. 2002.
- [3] M. A. Shipp, “Diffuse large b-cell lymphoma outcome prediction by gene-expression profiling and supervised machine learning,” *Nature Medicine*, vol. 8, pp. 68–74, Jan. 2002.
- [4] G. J. Gordon, “Translation of microarray data into clinically relevant cancer diagnostic tests using gene expression ratios in lung cancer and mesothelioma,” *Cancer Research*, vol. 62, pp. 4963–4967, 2002.
- [5] D. G. Beer, S. L. Kardia, C. ching Huang, T. J. Giordano, and A. M. Levin, “Gene-expression profiles predict survival of patients with lung adenocarcinoma,” *Nature Medicine*, vol. 8, pp. 816–823, Aug. 2002.
- [6] D. Singh, “Gene expression correlates of clinical prostate cancer behavior,” *Cancer Cell*, vol. 1, pp. 203–209, Mar. 2002.

2 Details Tables

Detailed tables are shown in this section. Table 2 lists the names and sizes of these datasets. Table 3 lists the shared attributes for dataset pairs. Table 4 lists the quality scores, and the associated *DS* and *SA* values, of the best

shared decision trees mined by **SDT-Miner** from the dataset pairs listed in Table 3. Table 5 shows the *DS* and *SA* values for the trees mined when T1P or T2P is used. Table 6 lists the shared tree quality achieved by **SDT-Miner** and by its variants. Table 7 lists the “best” weight vectors, the “worst” weight vectors, and the relative improvement of the best tree quality over the worst. Table 8 shows the relative improvement of the tree quality obtained by best weight vector from the WVP(0.1) weight vector pool over the quality obtained by a single weight vector.

Table 2: Names and Numbers of Tuples/Attributes of Datasets

Dataset	No. of Tuples	No. of Attributes
Brease Cancer (BC)	97	24481
Central Nervous System* (CN)	60	7129
DLBCL-Harvard* (DH)	58	7129
Lung Cancer-BAWH (LB)	181	12533
Lung Cancer-Michigan* (LM)	96	7129
Prostate Cancer (PC)	136	12600

Table 3: Number of Shared Attributes between Dataset Pairs

Dataset Pair	No. of Shared Attributes
(BC:CN), (BC:DH), (BC:LM)	5114
(CN:DH), (CN:LM), (DH:LM)	7129
(CN:LB), (DH:LB), (LB:LM)	5313
(CN:PC), (DH:PC), (LM:PC)	5317
(BC:LB)	8123
(BC:PC)	8124
(LB:PC)	9030

Table 4: Quality of Best Shared Trees Mined by SDT-Miner

Dataset Pair	DS	SA	SDTQ	AG
(BC: CN)	0.98	0.95	0.92	0.05
(BC: DH)	0.98	0.97	0.95	0.03
(BC: LB)	0.99	0.89	0.84	0.11
(BC: LM)	0.97	0.74	0.63	0.26
(BC: PC)	0.95	0.95	0.90	0.05
(CN: DH)	0.98	0.93	0.89	0.07
(CN: LB)	0.98	0.95	0.92	0.05
(CN: LM)	0.79	0.92	0.68	0.08
(CN: PC)	0.96	0.92	0.86	0.08
(DH: LB)	0.99	0.89	0.84	0.11
(DH: LM)	0.99	0.97	0.95	0.03
(DH: PC)	0.96	0.94	0.89	0.06
(LB: LM)	0.84	0.92	0.74	0.08
(LB: PC)	0.89	0.98	0.83	0.02
(LM: PC)	0.95	0.82	0.73	0.18
Average	0.95	0.92	0.84	0.08

3 Shared Trees Mined by SDT-Miner

Shared decision trees mined by SDT-Miner from real dataset pairs are given in this section. In each shared decision tree, we list the names of splitting genes used in the tree, and the original names of those genes in each dataset (shown in parentheses). If a gene is used multiple times, we write gene-name(i) to mean the i^{th} usage of this gene. Then we list the split value for each splitting gene. For some dataset pairs, only one gene name is listed in the node since the two datasets shared the same gene names. We also list the quality scores, and the associated *DS* and *SA* values above each tree.

The trees are drawn using the indentation method. The vertical bar “|” is used to indicate the depth of nodes in the trees: the root (at level 0) of a

Table 5: DS and SA Quality Values for Options T1P and T2P

Dataset Pair	$DS(T1P)$	$SA(T1P)$	$DS(T2P)$	$SA(T2P)$
(BC:CN)	0.98*	0.95	0.88	0.97
(BC:DH)	0.98*	0.97	0.85	0.96
(BC:LB)	0.99*	0.89	0.82	0.93*
(BC:LM)	0.97*	0.74	0.91	0.71
(BC:PC)	0.95	0.95	0.93	0.94
(CN:DH)	0.98*	0.93	0.89	0.98*
(CN:LB)	0.98*	0.95	0.91	0.94
(CN:LM)	0.79*	0.92	0.70	0.96*
(CN:PC)	0.96*	0.92	0.87	0.87
(DH:LB)	0.99*	0.89	0.82	0.93*
(DH:LM)	0.99*	0.97	0.76	0.91
(DH:PC)	0.96*	0.94	0.92	0.93
(LB:LM)	0.84*	0.92	0.77	0.93
(LB:PC)	0.89*	0.98	0.76	0.96
(LM:PC)	0.95*	0.82	0.79	0.82
Average	0.95*	0.92	0.84	0.92

tree has no bar, a node at level 1 has one bar, a node at level 2 has two bars, and so on. The tree is drawn in a manner as if it is printed by a depth-first traversal of the tree. It should be noted that class ratio equalization (see [DH10:SDT] for details) was done to some dataset pairs, so the numbers of tuples in the trees may be larger than that in the original datasets.

Table 6: Quality Comparison of Shared Trees Mined by Five Methods

Dataset Pair	SDT-Miner	IG_{IM}	IG_{IA}	$I1DB$	$U2DB$
(BC:CN)	0.82	0.64	0.55	0.19	0.74
(BC:DH)	0.95	0.49	0.43	0.33	0.86
(BC:LB)	0.81	0.47	0.66	0.36	0.83
(BC:LM)	0.57	0.33	0.26	0.44	0.35
(BC:PC)	0.90	0.57	0.45	0.39	0.55
(CN:DH)	0.89	0.62	0.32	0.41	0.84
(CN:LB)	0.92	0.60	0.52	0.44	0.79
(CN:LM)	0.68	0.88	0.76	0.41	0.68
(CN:PC)	0.86	0.57	0.52	0.31	0.83
(DH:LB)	0.81	0.82	0.82	0.56	0.67
(DH:LM)	0.89	0.90	0.44	0.41	0.87
(DH:PC)	0.89	0.46	0.59	0.15	0.86
(LB:LM)	0.46	0.25	0.09	0.32	0.18
(LB:PC)	0.83	0.55	0.78	0.50	0.84
(LM:PC)	0.73	0.78	0.50	0.40	0.50
Average	0.80	0.60	0.51	0.37	0.69

Table 7: Best/Worst Weight Vectors

Dataset Pair	Best Weight Vector	Worst Weight Vector	Relative Quality Improvement
(BC:CN)	(0.1,0.9)	(0.6,0.4)	12.2%
(BC:DH)	(0.9,0.1)	(0.1,0.9)	10.5%
(BC:LB)	(0.1,0.9)	(0.9,0.1)	3.7%
(BC:LM)	(0.1,0.9)	(0.3,0.7)	75%
(BC:PC)	(0.5,0.5)	(0.2,0.8)	12.5%
(CN:DH)	(0.5,0.5)	(0.9,0.1)	6.0%
(CN:LB)	(0.1,0.9)	(0.9,0.1)	17.9%
(DH:LB)	(0.3,0.7)	(0.9,0.1)	3.7%
(DH:LM)	(0.9,0.1)	(0.2,0.8)	21.8%
(DH:PC)	(0.5,0.5)	(0.3,0.7)	12.7%
(LB:LM)	(0.1,0.9)	(0.9,0.1)	60.9%
Average			21.5%

Table 8: Using Multiple Weight Vectors vs Using Single Weight Vector

Dataset Pair	(0.1,0.9)	(0.3,0.7)	(0.5,0.5)	(0.9,0.1)
(BC:CN)	0%	12.2%	12.2%	0%
(BC:DH)	10.5%	5.6%	0%	0%
(BC:LB)	0%	3.7%	3.7%	3.7%
(BC:LM)	0%	75%	10.5%	10.5%
(BC:PC)	4.7%	0%	0%	4.7%
(CN:DH)	4.7%	4.7%	0%	6.0%
(CN:LB)	0%	0%	0%	17.9%
(DH:LB)	2.4%	0%	3.7%	3.7%
(DH:LM)	21.8%	6.7%	6.7%	0%
(DH:PC)	12.7%	12.7%	0%	2.3%
(LB:LM)	0%	60.9%	60.9%	60.9%
Average	5.2%	16.5%	8.9%	10.0%

Table 9: Shared Decision Tree Mined from Dataset Pair (BC:CN)

DS=0.98
SA=0.95
SDTQ=0.92
GSTM3(NM_000849,J05459_at)>-0.4—D1(C1:19,C2:40);D2(C1:13,C2:30)
IGF2(NM_000612,J03242_s_at)>-0.6—D1(C1:11,C2:36);D2(C1:7,C2:30)
FGF9(NM_002010,D14838_at)>-0.1—D1(C1:0,C2:19);D2(C1:0,C2:18)
FGF9(NM_002010,D14838_at)≤-0.1—D1(C1:11,C2:17);D2(C1:7,C2:12)
ANXA11(NM_001157,L19605_at)>0—D1(C1:1,C2:13);D2(C1:0,C2:8)
ANXA11(NM_001157,L19605_at)≤0—D1(C1:10,C2:4);D2(C1:7,C2:4)
NEK2(NM_002497,Z29066_s_at)>0—D1(C1:9,C2:0);D2(C1:6,C2:0)
NEK2(NM_002497,Z29066_s_at)≤0—D1(C1:1,C2:4);D2(C1:1,C2:4)
PARP1(NM_001618,J03473_at)>-0.1—D1(C1:1,C2:0);D2(C1:1,C2:0)
PARP1(NM_001618,J03473_at)≤-0.1—D1(C1:0,C2:4);D2(C1:0,C2:4)
IGF2(NM_000612,J03242_s_at)≤-0.6—D1(C1:8,C2:4);D2(C1:6,C2:0)
GSTM3(NM_000849,J05459_at)≤-0.4—D1(C1:27,C2:11);D2(C1:22,C2:9)
PGK1(NM_000291,V00572_at)>-0.7—D1(C1:27,C2:8);D2(C1:22,C2:4)
NTRK3(NM_002530,U05012_s_at)>0.7—D1(C1:0,C2:3);D2(C1:0,C2:2)
NTRK3(NM_002530,U05012_s_at)≤0.7—D1(C1:27,C2:5);D2(C1:22,C2:2)
MMRN1(NM_007351,U27109_at)>-0.1—D1(C1:23,C2:0);D2(C1:18,C2:1)
MMRN1(NM_007351,U27109_at)≤-0.1—D1(C1:4,C2:5);D2(C1:4,C2:1)
HSPB2(NM_001541,S67070_at)>0.5—D1(C1:4,C2:0);D2(C1:4,C2:0)
HSPB2(NM_001541,S67070_at)≤0.5—D1(C1:0,C2:5);D2(C1:0,C2:1)
PGK1(NM_000291,V00572_at)≤-0.7—D1(C1:0,C2:3);D2(C1:0,C2:5)

Table 10: Shared Decision Tree Mined from Dataset Pair (BC:CN)

DS=0.98
SA=0.88
SDTQ=0.82
KIF2C(NM_006845,U63743_at)>-0.5—D1(C1:43,C2:26);D2(C1:34,C2:28)
TNNT3(NM_006757,M21984_at)>-0.8—D1(C1:43,C2:21);D2(C1:34,C2:20)
IL1R1(2)(NM_000877,M27492_at)>1.6—D1(C1:0,C2:5);D2(C1:0,C2:4)
IL1R1(2)(NM_000877,M27492_at)≤1.6—D1(C1:43,C2:16);D2(C1:34,C2:16)
ALDH3A2(NM_000382,U46689_at)>-0.9—D1(C1:32,C2:16);D2(C1:19,C2:16)
MMRN1(2)(NM_007351,U27109_at)>-0.1—D1(C1:31,C2:10);D2(C1:19,C2:9)
CNGA1(NM_000087,S42457_at)>-0.1—D1(C1:23,C2:1);D2(C1:16,C2:2)
CA9(NM_001216,X66839_at)>-0.8—D1(C1:22,C2:0);D2(C1:16,C2:0)
CA9(NM_001216,X66839_at)≤-0.8—D1(C1:1,C2:1);D2(C1:0,C2:2)
CNGA1(NM_000087,S42457_at)≤-0.1—D1(C1:8,C2:9);D2(C1:3,C2:7)
LOC440345(D86974,D86974_at)>-0.8—D1(C1:2,C2:9);D2(C1:1,C2:7)
CREM(NM_001881,D14826_s_at)>-0.3—D1(C1:0,C2:8);D2(C1:0,C2:6)
CREM(NM_001881,D14826_s_at)≤-0.3—D1(C1:2,C2:1);D2(C1:1,C2:1)
LOC440345(D86974,D86974_at)≤-0.8—D1(C1:6,C2:0);D2(C1:2,C2:0)
MMRN1(2)(NM_007351,U27109_at)≤-0.1—D1(C1:1,C2:6);D2(C1:0,C2:7)
ALDH3A2(NM_000382,U46689_at)≤-0.9—D1(C1:11,C2:0);D2(C1:15,C2:0)
TNNT3(NM_006757, M21984.at)≤-0.8—D1(C1:0,C2:5);D2(C1:0,C2:8)
KIF2C(NM_006845, U63743_at)≤-0.5—D1(C1:3,C2:25);D2(C1:1,C2:11)
NELL2(NM_006159,D83018_at)>-0.9—D1(C1:0,C2:24);D2(C1:0,C2:11)
NELL2(NM_006159,D83018_at)≤-0.9—D1(C1:3,C2:1);D2(C1:1,C2:0)

Table 11: Shared Decision Tree Mined from Dataset Pair (BC:CN)

DS=0.98
SA=0.95
SDTQ=0.91
TGFB3(NM_003239,J03241_s_at)>0.3—D1(C1:5,C2:32);D2(C1:2,C2:11)
SERPINB1(M93056,M93056_at)>-0.2—D1(C1:0,C2:25);D2(C1:0,C2:9)
SERPINB1(M93056,M93056_at)≤-0.2—D1(C1:5,C2:7);D2(C1:2,C2:2)
FABP2(NM_000134,M18079_at)>-0.1—D1(C1:5,C2:0);D2(C1:2,C2:0)
FABP2(NM_000134,M18079_at)≤-0.1—D1(C1:0,C2:7);D2(C1:0,C2:2)
TGFB3(NM_003239,J03241_s_at)≤0.3—D1(C1:41,C2:19);D2(C1:33,C2:28)
NTRK3(2)(NM_002530,U05012_s_at)>0.1—D1(C1:5,C2:12);D2(C1:2,C2:15)
FOXG1(NM_005249,X74142_at)>-0.1—D1(C1:5,C2:3);D2(C1:2,C2:3)
ATM(NM_000051,U67092_at)>-0.1—D1(C1:4,C2:0);D2(C1:2,C2:0)
ATM(NM_000051,U67092_at)≤-0.1—D1(C1:1,C2:3);D2(C1:0,C2:3)
FOXG1(NM_005249,X74142_at)≤-0.1—D1(C1:0,C2:9);D2(C1:0,C2:12)
NTRK3(2)(NM_002530,U05012_s_at)≤0.1—D1(C1:36,C2:7);D2(C1:31,C2:13)
PROX1(NM_002763,U44060_at)>-0.2—D1(C1:35,C2:6);D2(C1:27,C2:3)
BIRC2(NM_001166,U37547_at)>-0.2—D1(C1:18,C2:6);D2(C1:4,C2:3)
GTF2E1(NM_005513,X63468_at)>0.6—D1(C1:0,C2:4);D2(C1:0,C2:1)
GTF2E1(NM_005513,X63468_at)≤0.6—D1(C1:18,C2:2);D2(C1:4,C2:2)
ACVR2B(NM_001106,X77533_at)>0.5—D1(C1:0,C2:1);D2(C1:0,C2:2)
ACVR2B(NM_001106,X77533_at)≤0.5—D1(C1:18,C2:1);D2(C1:4,C2:0)
BIRC2(NM_001166,U37547_at)≤-0.2—D1(C1:17,C2:0);D2(C1:23,C2:0)
PROX1(NM_002763,U44060_at)≤-0.2—D1(C1:1,C2:1);D2(C1:4,C2:10)

Table 12: Shared Decision Tree Mined from Dataset Pair (BC:DH)

DS=0.97
SA=0.91
SDTQ=0.86
IMPDH2(NM_000884,L33842_rna1_at)>0.5—D1(C1:7,C2:24);D2(C1:4,C2:16)
CUX1(NM_001913,M74099_at)>-0.1—D1(C1:0,C2:22);D2(C1:1,C2:10)
CUX1(NM_001913,M74099_at)≤-0.1—D1(C1:7,C2:2);D2(C1:3,C2:6)
CFHR1(NM_005666,M65292_s_at)>-0.2—D1(C1:6,C2:0);D2(C1:3,C2:0)
CFHR1(NM_005666,M65292_s_at)≤-0.2—D1(C1:1,C2:2);D2(C1:0,C2:6)
IMPDH2(NM_000884,L33842_rna1_at)≤0.5—D1(C1:39,C2:27);D2(C1:28,C2:19)
KRT19(NM_002276,Y00503_at)>0—D1(C1:11,C2:23);D2(C1:12,C2:14)
DHX9(NM_001357,L13848_at)>-0.9—D1(C1:7,C2:23);D2(C1:7,C2:14)
TK1(NM_003258,M15205_at)>-0.5—D1(C1:7,C2:13);D2(C1:7,C2:4)
MEOX2(NM_005924,X82629_at)>-0.1—D1(C1:7,C2:3);D2(C1:7,C2:3)
BCKDHB(NM_000056,U50708_at)>0.1—D1(C1:1,C2:3);D2(C1:1,C2:3)
ADM(NM_001124,D14874_at)>-0.8—D1(C1:0,C2:3);D2(C1:0,C2:3)
ADM(NM_001124,D14874_at)≤-0.8—D1(C1:1,C2:0);D2(C1:1,C2:0)
BCKDHB(NM_000056,U50708_at)≤0.1—D1(C1:6,C2:0);D2(C1:6,C2:0)
MEOX2(NM_005924,X82629_at)≤-0.1—D1(C1:0,C2:10);D2(C1:0,C2:1)
TK1(NM_003258,M15205_at)≤-0.5—D1(C1:0,C2:10);D2(C1:0,C2:10)
DHX9(NM_001357,L13848_at)≤-0.9—D1(C1:4,C2:0);D2(C1:5,C2:0)
KRT19(NM_002276,Y00503_at)≤0—D1(C1:28,C2:4);D2(C1:16,C2:5)
CDK10(NM_003674,X78342_at)>-0.3—D1(C1:22,C2:0);D2(C1:11,C2:0)
CDK10(NM_003674,X78342_at)≤-0.3—D1(C1:6,C2:4);D2(C1:5,C2:5)
DRD4(NM_000797,S76942_s_at)>0.9—D1(C1:0,C2:3);D2(C1:0,C2:4)
DRD4(NM_000797,S76942_s_at)≤0.9—D1(C1:6,C2:1);D2(C1:5,C2:1)
APOC4(NM_001646,U32576_rna1_at)>1.6—D1(C1:0,C2:1);D2(C1:0,C2:1)
APOC4(NM_001646,U32576_rna1_at)≤1.6—D1(C1:6,C2:0);D2(C1:5,C2:0)

Table 13: Shared Decision Tree Mined from Dataset Pair (BC:DH)

DS=0.97
SA=0.93
SDTQ=0.88
INS(NM_000207,V00565_s_at)>-0.1—D1(C1:19,C2:39);D2(C1:14,C2:29)
CTSE(NM_001910,M84424_at)>0.1—D1(C1:1,C2:0);D2(C1:9,C2:2)
CTSE(NM_001910,M84424_at)≤0.1—D1(C1:18,C2:39);D2(C1:5,C2:27)
BTK(NM_000061,U78027_rna4_at)>-0.8—D1(C1:8,C2:36);D2(C1:2,C2:26)
PRSS8(NM_002773,L41351_at)>-1.0—D1(C1:3,C2:34);D2(C1:0,C2:24)
PRSS8(NM_002773,L41351_at)≤-1.0—D1(C1:5,C2:2);D2(C1:2,C2:2)
AHCY(NM_000687,M61832_s_at)>-0.3—D1(C1:0,C2:2);D2(C1:0,C2:2)
AHCY(NM_000687,M61832_s_at)≤-0.3—D1(C1:5,C2:0);D2(C1:2,C2:0)
BTK(NM_000061,U78027_rna4_at)≤-0.8—D1(C1:10,C2:3);D2(C1:3,C2:1)
BLMH(NM_000386,X92106_at)>0—D1(C1:1,C2:3);D2(C1:0,C2:1)
BLMH(NM_000386,X92106_at)≤0—D1(C1:9,C2:0);D2(C1:3,C2:0)
INS(NM_000207,V00565_s_at)≤-0.1—D1(C1:27,C2:12);D2(C1:18,C2:6)
TGFB3(NM_003239,J03241_s_at)>0.3—D1(C1:3,C2:12);D2(C1:4,C2:3)
LGALS8(NM_006499,L78132_at)>0.7—D1(C1:2,C2:0);D2(C1:4,C2:0)
LGALS8(NM_006499,L78132_at)≤0.7—D1(C1:1,C2:12);D2(C1:0,C2:3)
TGFB3(NM_003239,J03241_s_at)≤0.3—D1(C1:24,C2:0);D2(C1:14,C2:3)

Table 14: Shared Decision Tree Mined from Dataset Pair (BC:DH)

DS=0.97
SA=0.94
SDTQ=0.90
TK1(2)(NM_003258,M15205_at)>-0.7—D1(C1:45,C2:27);D2(C1:29,C2:23)
SERPINB8(NM_002640,L40377_at)>0.4—D1(C1:1,C2:0);D2(C1:17,C2:1)
SERPINB8(NM_002640,L40377_at)≤0.4—D1(C1:44,C2:27);D2(C1:12,C2:22)
TXK(NM_003328,L27071_at)>0.4—D1(C1:0,C2:9);D2(C1:2,C2:13)
TXK(NM_003328,L27071_at)≤0.4—D1(C1:44,C2:18);D2(C1:10,C2:9)
SFRS5(NM_006925,U30827_s_at)>1.1—D1(C1:0,C2:5);D2(C1:0,C2:5)
SFRS5(NM_006925,U30827_s_at)≤1.1—D1(C1:44,C2:13);D2(C1:10,C2:4)
COL4A2(X05610,X05610_at)>0.2—D1(C1:26,C2:0);D2(C1:2,C2:0)
COL4A2(X05610,X05610_at)≤0.2—D1(C1:18,C2:13);D2(C1:8,C2:4)
INS(2)(NM_000207,V00565_s_at)>-0.1—D1(C1:6,C2:13);D2(C1:3,C2:3)
EPCAM(NM_002354,M93036_at)>-0.2—D1(C1:6,C2:5);D2(C1:3,C2:0)
EPCAM(NM_002354,M93036_at)≤-0.2—D1(C1:0,C2:8);D2(C1:0,C2:3)
INS(2)(NM_000207,V00565_s_at)≤-0.1—D1(C1:12,C2:0);D2(C1:5,C2:1)
TK1(2)(NM_003258,M15205_at)≤-0.7—D1(C1:1,C2:24);D2(C1:3,C2:12)
MPI(NM_002435,X76057_at)>-1.2—D1(C1:0,C2:24);D2(C1:0,C2:12)
MPI(NM_002435,X76057_at)≤-1.2—D1(C1:1,C2:0);D2(C1:3,C2:0)

Table 15: Shared Decision Tree Mined from Dataset Pair (BC:DH)

DS=0.98
SA=0.97
SDTQ=0.95
TK1(3)(NM_003258,M15205_at)>-0.7—D1(C1:45,C2:27);D2(C1:29,C2:23)
INS(NM_000207,V00565_s_at)>-0.1—D1(C1:22,C2:26);D2(C1:13,C2:18)
RASA1(NM_002890,M23379_at)>0.6—D1(C1:0,C2:10);D2(C1:0,C2:7)
RASA1(NM_002890,M23379_at)≤0.6—D1(C1:22,C2:16);D2(C1:13,C2:11)
PPM1F(NM_014634,D13640_at)>-0.1—D1(C1:18,C2:3);D2(C1:10,C2:2)
HIST2H2BE(NM_003528,X57985_rna2_at)>1.1—D1(C1:0,C2:3);D2(C1:0,C2:1)
HIST2H2BE(NM_003528,X57985_rna2_at)≤1.1—D1(C1:18,C2:0);D2(C1:10,C2:1)
PPM1F(NM_014634,D13640_at)≤-0.1—D1(C1:4,C2:13);D2(C1:3,C2:9)
CDC42EP1(NM_007061,M88338_at)>-0.3—D1(C1:1,C2:12);D2(C1:0,C2:9)
CDC42EP1(NM_007061,M88338_at)≤-0.3—D1(C1:3,C2:1);D2(C1:3,C2:0)
INS(NM_000207,V00565_s_at)≤-0.1—D1(C1:23,C2:1);D2(C1:16,C2:5)
RARG(NM_000966,L12060_s_at)>-1.3—D1(C1:22,C2:0);D2(C1:16,C2:1)
RARG(NM_000966,L12060_s_at)≤-1.3—D1(C1:1,C2:1);D2(C1:0,C2:4)
TK1(3)(NM_003258,M15205_at)≤-0.7—D1(C1:1,C2:24);D2(C1:3,C2:12)
MPI(2)(NM_002435,X76057_at)>-1.2—D1(C1:0,C2:24);D2(C1:0,C2:12)
MPI(2)(NM_002435,X76057_at)≤-1.2—D1(C1:1,C2:0);D2(C1:3,C2:0)

Table 16: Shared Decision Tree Mined from Dataset Pair (BC:LB)

DS=0.99
SA=0.89
SDTQ=0.84
TMEM158(AL080235,35692_at)>0.9—D1(C1:16,C2:6);D2(C1:14,C2:6)
CASP8(NM_001228,31491_s_at)>1.3—D1(C1:0,C2:6);D2(C1:0,C2:1)
CASP8(NM_001228,31491_s_at)≤1.3—D1(C1:16,C2:0);D2(C1:14,C2:5)
TMEM158(AL080235,35692_at)≤0.9—D1(C1:30,C2:217);D2(C1:17,C2:144)
GFPT2(NM_005110,39640_at)>0.5—D1(C1:1,C2:0);D2(C1:17,C2:0)
GFPT2(NM_005110,39640_at)≤0.5—D1(C1:29,C2:217);D2(C1:0,C2:144)

Table 17: Shared Decision Tree Mined from Dataset Pair (BC:LB)

DS=0.90
SA=0.91
SDTQ=0.81
GFPT2((2)NM_005110,39640_at)>0.3—D1(C1:1,C2:0);D2(C1:26,C2:0)
GFPT2(2)(NM_005110,39640_at)≤0.3—D1(C1:45,C2:223);D2(C1:5,C2:150)
NNU(NM_006681,33483_at)>-0.1—D1(C1:36,C2:70);D2(C1:4,C2:19)
TMEM158(2)(AL080235,35692_at)>0.6—D1(C1:16,C2:3);D2(C1:4,C2:0)
TMEM158(2)(AL080235,35692_at)≤0.6—D1(C1:20,C2:67);D2(C1:0,C2:19)
NNU(NM_006681,33483_at)≤-0.1—D1(C1:9,C2:153);D2(C1:1,C2:131)
DES(NM_001927,40776_at)>-0.3—D1(C1:1,C2:143);D2(C1:0,C2:109)
DES(NM_001927,40776_at)≤-0.3—D1(C1:8,C2:10);D2(C1:1,C2:22)
SMAD2(NM_005901,1928_s_at)>0—D1(C1:8,C2:0);D2(C1:1,C2:4)
SMAD2(NM_005901,1928_s_at)≤0—D1(C1:0,C2:10);D2(C1:0,C2:18)

Table 18: Shared Decision Tree Mined from Dataset Pair (BC:LM)

DS=0.97
SA=0.74
SDTQ=0.63
SNRPA1(NM_003090,X13482_at)>-0.4—D1(C1:39,C2:22);D2(C1:65,C2:28)
CTSG(NM_001911,J04990_at)>-0.1—D1(C1:38,C2:22);D2(C1:17,C2:28)
TNNC1(NM_003280,M37984_rna1_at)>1.4—D1(C1:0,C2:3);D2(C1:0,C2:28)
TNNC1(NM_003280,M37984_rna1_at)≤1.4—D1(C1:38,C2:19);D2(C1:17,C2:0)
CTSG(NM_001911,J04990_at)≤-0.1—D1(C1:1,C2:0);D2(C1:48,C2:0)
SNRPA1(NM_003090,X13482_at)≤-0.4—D1(C1:7,C2:29);D2(C1:21,C2:67)
FABP4(NM_001442,J02874_at)>-0.2—D1(C1:6,C2:29);D2(C1:0,C2:67)
FABP4(NM_001442,J02874_at)≤-0.2—D1(C1:1,C2:0);D2(C1:21,C2:0)

Table 19: Shared Decision Tree Mined from Dataset Pair (BC:LM)

DS=0.91
SA=0.51
SDTQ=0.36
LMOD1(NM_012134,X54162_at)-0.1>—D1(C1:39,C2:51);D2(C1:30,C2:95)
FHL1(NM_001449,U60115_at)>1.4—D1(C1:1,C2:4);D2(C1:0,C2:95)
FHL1(NM_001449,U60115_at)≤1.4—D1(C1:38,C2:47);D2(C1:30,C2:0)
LMOD1(NM_012134,X54162_at)≤-0.1—D1(C1:7,C2:0);D2(C1:56,C2:0)

Table 20: Shared Decision Tree Mined from Dataset Pair (BC:LM)

DS=0.94
SA=0.70
SDTQ=0.57
FABP4(2)(NM_001442,J02874_at)>-0.1—D1(C1:45,C2:51);D2(C1:5,C2:95)
CPA3(NM_001870,M73720_at)>0.6—D1(C1:4,C2:22);D2(C1:1,C2:95)
KAL1(NM_000216,X60299_s_at)>-0.1—D1(C1:0,C2:22);D2(C1:0,C2:95)
KAL1(NM_000216,X60299_s_at)≤-0.1—D1(C1:4,C2:0);D2(C1:1,C2:0)
CPA3(NM_001870,M73720_at)≤0.6—D1(C1:41,C2:29);D2(C1:4,C2:0)
FABP4(2)(NM_001442,J02874_at)≤-0.1—D1(C1:1,C2:0);D2(C1:81,C2:0)

Table 21: Shared Decision Tree Mined from Dataset Pair (BC:PC)

DS=0.93
SA=0.93
SDTQ=0.86
TXN(NM_003329,36992_at)>-0.6—D1(C1:59,C2:27);D2(C1:66,C2:24)
VNN1(NM_004666,37526_at)>0.3—D1(C1:1,C2:0);D2(C1:14,C2:0)
VNN1(NM_004666,37526_at)≤0.3—D1(C1:58,C2:27);D2(C1:52,C2:24)
FTO(U79260,37242_at)>2.1—D1(C1:0,C2:5);D2(C1:0,C2:8)
FTO(U79260,37242_at)≤2.1—D1(C1:58,C2:22);D2(C1:52,C2:16)
CLDN3(NM_001306,33904_at)>-0.5—D1(C1:49,C2:11);D2(C1:49,C2:2)
ARIH1(NM_005744,41729_at)>-0.5—D1(C1:46,C2:3);D2(C1:41,C2:1)
FHL1(NM_001449,32542_at)>1.5—D1(C1:0,C2:1);D2(C1:0,C2:1)
FHL1(NM_001449,32542_at)≤1.5—D1(C1:46,C2:2);D2(C1:41,C2:0)
ARIH1(NM_005744,41729_at)≤-0.5—D1(C1:3,C2:8);D2(C1:8,C2:1)
PRKAR2B(NM_002736,37221_at)>-0.5—D1(C1:0,C2:8);D2(C1:0,C2:1)
PRKAR2B(NM_002736,37221_at)≤-0.5—D1(C1:3,C2:0);D2(C1:8,C2:0)
CLDN3(NM_001306,33904_at)≤-0.5—D1(C1:9,C2:11);D2(C1:3,C2:14)
KCNN4(NM_002250,41106_at)>-0.3—D1(C1:9,C2:6);D2(C1:3,C2:0)
KCNN4(NM_002250,41106_at)≤-0.3—D1(C1:0,C2:5);D2(C1:0,C2:14)
TXN(NM_003329,36992_at)≤-0.6—D1(C1:8,C2:24);D2(C1:11,C2:35)
NELL2(NM_006159,32598_at)>-0.4—D1(C1:1,C2:17);D2(C1:2,C2:29)
CPS1(NM_001875,34884_at)>-0.1—D1(C1:0,C2:17);D2(C1:0,C2:24)
CPS1(NM_001875,34884_at)≤-0.1—D1(C1:1,C2:0);D2(C1:2,C2:5)
NELL2(NM_006159,32598_at)≤-0.4—D1(C1:7,C2:7);D2(C1:9,C2:6)
MSX2(NM_002449,40734_r_at)>0.6—D1(C1:0,C2:7);D2(C1:0,C2:3)
MSX2(NM_002449,40734_r_at)≤0.6—D1(C1:7,C2:0);D2(C1:9,C2:3)

Table 22: Shared Decision Tree Mined from Dataset Pair (BC:PC)

DS=0.94
SA=0.88
SDTQ=0.80
TXN(2)(NM_003329,36992_at)>-0.6—D1(C1:59,C2:27);D2(C1:66,C2:24)
PLCB4(NM_000933,901_g_at)>-0.7—D1(C1:56,C2:17);D2(C1:65,C2:22)
FTO(2)(U79260,37242_at)>2.1—D1(C1:0,C2:4);D2(C1:0,C2:7)
FTO(2)(U79260,37242_at)≤2.1—D1(C1:56,C2:13);D2(C1:65,C2:15)
CLDN3(2)(NM_001306,33904_at)>-0.5—D1(C1:48,C2:6);D2(C1:53,C2:2)
FHL1(2)(NM_001449,32542_at)>1.5—D1(C1:0,C2:2);D2(C1:0,C2:1)
FHL1(2)(NM_001449,32542_at)≤1.5—D1(C1:48,C2:4);D2(C1:53,C2:1)
CFD(NM_001928,40283_at)>-0.7—D1(C1:38,C2:0);D2(C1:53,C2:0)
CFD(NM_001928,40283_at)≤-0.7—D1(C1:10,C2:4);D2(C1:0,C2:1)
CLDN3(2)(NM_001306,33904_at)≤-0.5—D1(C1:8,C2:7);D2(C1:12,C2:13)
TRIM22(NM_006074,36825_at)>-0.3—D1(C1:2,C2:7);D2(C1:3,C2:13)
CETN2(NM_004344,38410_at)>-0.6—D1(C1:0,C2:6);D2(C1:0,C2:11)
CETN2(NM_004344,38410_at)≤-0.6—D1(C1:2,C2:1);D2(C1:3,C2:2)
TRIM22(NM_006074,36825_at)≤-0.3—D1(C1:6,C2:0);D2(C1:9,C2:0)
PLCB4(NM_000933,901_g_at)≤-0.7—D1(C1:3,C2:10);D2(C1:1,C2:2)
TXN(2)(NM_003329,36992_at)≤-0.6—D1(C1:8,C2:24);D2(C1:11,C2:35)
NELL2(2)(NM_006159,32598_at)>-0.4—D1(C1:1,C2:17);D2(C1:2,C2:29)
CPS1(2)(NM_001875,34884_at)>-0.1—D1(C1:0,C2:17);D2(C1:0,C2:24)
CPS1(2)(NM_001875,34884_at)≤-0.1—D1(C1:1,C2:0);D2(C1:2,C2:5)
NELL2(2)(NM_006159,32598_at)≤-0.4—D1(C1:7,C2:7);D2(C1:9,C2:6)
MSX2(2)(NM_002449,40734_r_at)>0.6—D1(C1:0,C2:7);D2(C1:0,C2:3)
MSX2(2)(NM_002449,40734_r_at)≤0.6—D1(C1:7,C2:0);D2(C1:9,C2:3)

Table 23: Shared Decision Tree Mined from Dataset Pair (BC:PC)

	DS=0.95
	SA=0.95
	SDTQ=0.90
ACTR3(NM_005721,35271_at)>-0.6	D1(C1:66,C2:29);D2(C1:76,C2:46)
ANAPC5(NM_016237,35835_at)>1.2	D1(C1:13,C2:0);D2(C1:25,C2:0)
ANAPC5(NM_016237,35835_at)≤1.2	D1(C1:53,C2:29);D2(C1:51,C2:46)
RBP1(NM_002899,38634_at)>-0.5	D1(C1:31,C2:22);D2(C1:5,C2:44)
CPS1(3)(NM_001875,34884_at)>-0.1	D1(C1:0,C2:7);D2(C1:3,C2:41)
CPS1(3)(NM_001875,34884_at)≤-0.1	D1(C1:31,C2:15);D2(C1:2,C2:3)
NDUFV2(NM_021074,34893_at)>-0.4	D1(C1:8,C2:15);D2(C1:1,C2:3)
GTF3C1(NM_001520,35671_at)>-0.4	D1(C1:0,C2:13);D2(C1:0,C2:1)
GTF3C1(NM_001520,35671_at)≤-0.4	D1(C1:8,C2:2);D2(C1:1,C2:2)
NDUFV2(NM_021074,34893_at)≤-0.4	D1(C1:23,C2:0);D2(C1:1,C2:0)
RBP1(NM_002899,38634_at)≤-0.5	D1(C1:22,C2:7);D2(C1:46,C2:2)
PDLIM3(NM_014476,39690_at)>-0.3	D1(C1:9,C2:7);D2(C1:3,C2:2)
PARN(NM_002582,36003_at)>-0.6	D1(C1:4,C2:7);D2(C1:0,C2:2)
PARN(NM_002582,36003_at)≤-0.6	D1(C1:5,C2:0);D2(C1:3,C2:0)
PDLIM3(NM_014476,39690_at)≤-0.3	D1(C1:13,C2:0);D2(C1:43,C2:0)
ACTR3(NM_005721,35271_at)≤-0.6	D1(C1:1,C2:22);D2(C1:1,C2:13)
PDE6B(NM_000283,39576_at)>1.5	D1(C1:1,C2:0);D2(C1:1,C2:0)
PDE6B(NM_000283,39576_at)≤1.5	D1(C1:0,C2:22);D2(C1:0,C2:13)

Table 24: Shared Decision Tree Mined from Dataset Pair (BC:PC)

DS=0.94
SA=0.92
SDTQ=0.86
ACTR3(2)(NM_005721,35271_at)>-0.6—D1(C1:66,C2:29);D2(C1:76,C2:46)
NELL2(3)(NM_006159,32598_at)>-0.4—D1(C1:31,C2:21);D2(C1:21,C2:39)
ABCC4(NM_005845,34955_at)>-0.1—D1(C1:29,C2:11);D2(C1:19,C2:3)
ABCF3(NM_018358,38830_at)>1.1—D1(C1:12,C2:0);D2(C1:18,C2:0)
ABCF3(NM_018358,38830_at)≤1.1—D1(C1:17,C2:11);D2(C1:1,C2:3)
TLR2(NM_003264,40310_at)>0.5—D1(C1:2,C2:10);D2(C1:0,C2:2)
TLR2(NM_003264,40310_at)≤0.5—D1(C1:15,C2:1);D2(C1:1,C2:1)
ABCC4(NM_005845,34955_at)≤-0.1—D1(C1:2,C2:10);D2(C1:2,C2:36)
DECR1(NM_001359,38104_at)>-0.6—D1(C1:0,C2:9);D2(C1:0,C2:34)
DECR1(NM_001359,38104_at)≤-0.6—D1(C1:2,C2:1);D2(C1:2,C2:2)
NELL2(3)(NM_006159,32598_at)≤-0.4—D1(C1:35,C2:8);D2(C1:55,C2:7)
DBC1(NM_014618,40292_at)>-0.2—D1(C1:15,C2:8);D2(C1:25,C2:7)
CA9(NM_001216,40309_at)>-0.4—D1(C1:15,C2:3);D2(C1:25,C2:5)
CCDC94(NM_018074,39211_at)>0.5—D1(C1:0,C2:3);D2(C1:8,C2:5)
CCDC94(NM_018074,39211_at)≤0.5—D1(C1:15,C2:0);D2(C1:17,C2:0)
CA9(NM_001216,40309_at)≤-0.4—D1(C1:0,C2:5);D2(C1:0,C2:2)
DBC1(NM_014618,40292_at)≤-0.2—D1(C1:20,C2:0);D2(C1:30,C2:0)
ACTR3(2)(NM_005721,35271_at)≤-0.6—D1(C1:1,C2:22);D2(C1:1,C2:13)
PDE6B(2)(NM_000283,39576_at)>1.5—D1(C1:1,C2:0);D2(C1:1,C2:0)
PDE6B(2)(NM_000283,39576_at)≤1.5—D1(C1:0,C2:22);D2(C1:0,C2:13)

Table 25: Shared Decision Tree Mined from Dataset Pair (CN:DH)

DS=0.92
SA=0.92
SDTQ=0.85
U66702_ at>0.9—D1(C1:0,C2:8);D2(C1:0,C2:21)
U66702_ at≤0.9—D1(C1:21,C2:31);D2(C1:32,C2:38)
U90543_ at>0.4—D1(C1:8,C2:14);D2(C1:3,C2:33)
U03090_ at>-0.1—D1(C1:8,C2:6);D2(C1:3,C2:8)
M83651_ at>0.1—D1(C1:0,C2:4);D2(C1:0,C2:8)
M83651_ at≤0.1—D1(C1:8,C2:2);D2(C1:3,C2:0)
U03090_ at≤-0.1—D1(C1:0,C2:8);D2(C1:0,C2:25)
U90543_ at≤0.4—D1(C1:13,C2:17);D2(C1:29,C2:5)
D63813_ at>-0.5—D1(C1:9,C2:17);D2(C1:16,C2:5)
U68723_ at>-0.7—D1(C1:6,C2:17);D2(C1:7,C2:5)
L02840_ at>-0.6—D1(C1:0,C2:14);D2(C1:2,C2:5)
L02840_ at≤-0.6—D1(C1:6,C2:3);D2(C1:5,C2:0)
U68723_ at≤-0.7—D1(C1:3,C2:0);D2(C1:9,C2:0)
D63813_ at≤-0.5—D1(C1:4,C2:0);D2(C1:13,C2:0)

Table 26: Shared Decision Tree Mined from Dataset Pair (CN:DH)

	DS=0.98
	SA=0.93
	SDTQ=0.89
X83412_ at>0.6—D1(C1:2,C2:16);D2(C1:2,C2:32)	
X60484_ at>1.0—D1(C1:2,C2:0);D2(C1:2,C2:0)	
X60484_ at≤1.0—D1(C1:0,C2:16);D2(C1:0,C2:32)	
X83412_ at≤0.6—D1(C1:19,C2:23);D2(C1:30,C2:27)	
D86959_ at>0.1—D1(C1:3,C2:15);D2(C1:4,C2:18)	
AFFX-HUMGAPDH>1.0—D1(C1:2,C2:2);D2(C1:4,C2:1)	
D14664_ at>2.0—D1(C1:0,C2:2);D2(C1:0,C2:1)	
D14664_ at≤2.0—D1(C1:2,C2:0);D2(C1:4,C2:0)	
AFFX-HUMGAPDH≤1.0—D1(C1:1,C2:13);D2(C1:0,C2:17)	
D86959_ at(gene:660)≤0.1—D1(C1:16,C2:8);D2(C1:26,C2:9)	
M32304_ s_ at>-0.7—D1(C1:11,C2:3);D2(C1:23,C2:0)	
M32304_ s_ at≤-0.7—D1(C1:5,C2:5);D2(C1:3,C2:9)	
U11037_ at>-0.1—D1(C1:0,C2:4);D2(C1:0,C2:7)	
U11037_ at≤-0.1—D1(C1:5,C2:1);D2(C1:3,C2:2)	
AFFX-BioB-5_ st>0.5—D1(C1:0,C2:1);D2(C1:0,C2:2)	
AFFX-BioB-5_ st≤0.5—D1(C1:5,C2:0);D2(C1:3,C2:0)	

Table 27: Shared Decision Tree Mined from Dataset Pair (CN:DH)

DS=0.97
SA=0.90
SDTQ=0.84
X70811_ at>-0.6—D1(C1:21,C2:32);D2(C1:30,C2:24)
X87613_ at>0.7—D1(C1:1,C2:12);D2(C1:1,C2:14)
AFFX-HUMISGF3A>-0.8—D1(C1:0,C2:12);D2(C1:0,C2:14)
AFFX-HUMISGF3A≤-0.8—D1(C1:1,C2:0);D2(C1:1,C2:0)
X87613_ at≤0.7—D1(C1:20,C2:20);D2(C1:29,C2:10)
M21984_ at>-0.5—D1(C1:20,C2:15);D2(C1:29,C2:4)
U64998_ at>0.5—D1(C1:1,C2:9);D2(C1:2,C2:4)
D16583_ at>1.0—D1(C1:1,C2:0);D2(C1:2,C2:0)
D16583_ at≤1.0—D1(C1:0,C2:9);D2(C1:0,C2:4)
U64998_ at≤0.5—D1(C1:19,C2:6);D2(C1:27,C2:0)
M21984_ at≤-0.5—D1(C1:0,C2:5);D2(C1:0,C2:6)
X70811_ at≤-0.6—D1(C1:0,C2:7);D2(C1:2,C2:35)

Table 28: Shared Decision Tree Mined from Dataset Pair (CN:LB)

DS=0.98
SA=0.95
SDTQ=0.92
EFEMP1(U03877_at,32551_at)>1.4—D1(C1:2,C2:0);D2(C1:17,C2:0)
EFEMP1(U03877_at,32551_at)≤1.4—D1(C1:19,C2:102);D2(C1:14,C2:150)
ALAS1(Y00451_s_at,37674_at)>-1.3—D1(C1:17,C2:102);D2(C1:5,C2:150)
FLNC(X70083_at,35330_at)>0—D1(C1:15,C2:46);D2(C1:4,C2:17)
DGKD(D63479_s_at,39044_s_at)>-0.7—D1(C1:8,C2:46);D2(C1:1,C2:17)
NAGA(M62783_at,36607_at)>-1.2—D1(C1:4,C2:46);D2(C1:0,C2:16)
NAGA(M62783_at,36607_at)≤-1.2—D1(C1:4,C2:0);D2(C1:1,C2:1)
DGKD(D63479_s_at,39044_s_at)≤-0.7—D1(C1:7,C2:0);D2(C1:3,C2:0)
FLNC(X70083_at,35330_at)≤0—D1(C1:2,C2:56);D2(C1:1,C2:133)
GNAI2(X04828_at,37307_at)>2.2—D1(C1:1,C2:0);D2(C1:1,C2:0)
GNAI2(X04828_at,37307_at)≤2.2—D1(C1:1,C2:56);D2(C1:0,C2:133)
ALAS1(Y00451_s_at,37674_at)≤-1.3—D1(C1:2,C2:0);D2(C1:9,C2:0)

Table 29: Shared Decision Tree Mined from Dataset Pair (CN:LB)

	DS=0.88 SA=0.89 SDTQ=0.78
EPCAM(M93036_at,575_s_at)>-1.1—D1(C1:19,C2:97);D2(C1:3,C2:149)	
APOD(J02611_at,36681_at)>-0.7—D1(C1:7,C2:85);D2(C1:2,C2:148)	
ATP2B3(U57971_s_at,32456_s_at)>1.8—D1(C1:3,C2:0);D2(C1:1,C2:1)	
ATP2B3(U57971_s_at,32456_s_at)≤1.8—D1(C1:4,C2:85);D2(C1:1,C2:147)	
RBPJ(L08904_at,40818_at)>1.8—D1(C1:3,C2:2);D2(C1:1,C2:6)	
BDNF(M61176_at,1088_at)>-0.1—D1(C1:3,C2:0);D2(C1:1,C2:0)	
BDNF(M61176_at,1088_at)≤-0.1—D1(C1:0,C2:2);D2(C1:0,C2:6)	
RBPJ(L08904_at,40818_at)≤1.8—D1(C1:1,C2:83);D2(C1:0,C2:141)	
APOD(J02611_at,36681_at)≤-0.7—D1(C1:12,C2:12);D2(C1:1,C2:1)	
EPCAM(M93036_at,575_s_at)≤-1.1—D1(C1:2,C2:5);D2(C1:28,C2:1)	
ACP5(J04430_s_at,677_s_at)>-0.1—D1(C1:0,C2:5);D2(C1:1,C2:1)	
ACP5(J04430_s_at,677_s_at)≤-0.1—D1(C1:2,C2:0);D2(C1:27,C2:0)	

Table 30: Shared Decision Tree Mined from Dataset Pair (CN:LM)

DS=0.79
SA=0.92
SDTQ=0.68
J02874_ at>0.7—D1(C1:0,C2:9);D2(C1:0,C2:9)
J02874_ at≤0.7—D1(C1:335,C2:30);D2(C1:86,C2:1)
L17131_ rna1_ at>-0.8—D1(C1:335,C2:18);D2(C1:80,C2:1)
M77829_ s_ at>-0.1—D1(C1:136,C2:18);D2(C1:15,C2:1)
X59656_ at>0.5—D1(C1:136,C2:4);D2(C1:7,C2:0)
X59656_ at≤0.5—D1(C1:0,C2:14);D2(C1:8,C2:1)
M77829_ s_ at≤-0.1—D1(C1:199,C2:0);D2(C1:65,C2:0)
L17131_ rna1_ at≤-0.8—D1(C1:0,C2:12);D2(C1:6,C2:0)

Table 31: Shared Decision Tree Mined from Dataset Pair (CN:PC)

DS=0.97
SA=0.91
SDTQ=0.86
CCT3(X74801_at,40774_at)>1.3—D1(C1:14,C2:1);D2(C1:24,C2:0)
CCT3(X74801_at,40774_at)≤1.3—D1(C1:37,C2:38);D2(C1:53,C2:59)
NELL2(D83018_at,32598_at)>-0.4—D1(C1:14,C2:26);D2(C1:3,C2:50)
APOC1(M20902_at,41764_at)>0.5—D1(C1:12,C2:6);D2(C1:1,C2:0)
APOC1(M20902_at,41764_at)≤0.5—D1(C1:2,C2:20);D2(C1:2,C2:50)
ACSL1(D10040_at,40082_at)>-0.6—D1(C1:0,C2:18);D2(C1:1,C2:45)
ACSL1(D10040_at,40082_at)≤-0.6—D1(C1:2,C2:2);D2(C1:1,C2:5)
ATP4A(M63962_rna1_at,33521_at)>0.1—D1(C1:2,C2:0);D2(C1:1,C2:0)
ATP4A(M63962_rna1_at,33521_at)≤0.1—D1(C1:0,C2:2);D2(C1:0,C2:5)
NELL2(D83018_at,32598_at)≤-0.4—D1(C1:23,C2:12);D2(C1:50,C2:9)
PTGDS(M98539_at,38406_f_at)>-0.3—D1(C1:4,C2:10);D2(C1:1,C2:4)
CDK1(X05360_at,1803_at)>0.7—D1(C1:4,C2:0);D2(C1:1,C2:0)
CDK1(X05360_at,1803_at)≤0.7—D1(C1:0,C2:10);D2(C1:0,C2:4)
PTGDS(M98539_at,38406_f_at)≤-0.3—D1(C1:19,C2:2);D2(C1:49,C2:5)
IRAK1(L76191_at,1100_at)>-1.0—D1(C1:18,C2:0);D2(C1:49,C2:2)
IRAK1(L76191_at,1100_at)≤-1.0—D1(C1:1,C2:2);D2(C1:0,C2:3)

Table 32: Shared Decision Tree Mined from Dataset Pair (CN:PC)

DS=0.96
SA=0.92
SDTQ=0.86
NELL2(2)(D83018_at,32598_at)>-0.4—D1(C1:19,C2:26);D2(C1:21,C2:50)
POLR2L(U37690_at,503_at)>1.4—D1(C1:10,C2:0);D2(C1:19,C2:1)
POLR2L(U37690_at,503_at)≤1.4—D1(C1:9,C2:26);D2(C1:2,C2:49)
GDF15(AB000584_at,1890_at)>0.2—D1(C1:9,C2:7);D2(C1:0,C2:2)
GDF15(AB000584_at,1890_at)≤0.2—D1(C1:0,C2:19);D2(C1:2,C2:47)
NELL2(2)(D83018_at,32598_at)≤-0.4—D1(C1:32,C2:13);D2(C1:56,C2:9)
PTGDS(2)(M98539_at,38406_f_at)>-0.3—D1(C1:4,C2:11);D2(C1:6,C2:4)
IL10RB(Z17227_at,33227_at)>1.0—D1(C1:4,C2:0);D2(C1:5,C2:0)
IL10RB(Z17227_at,33227_at)≤1.0—D1(C1:0,C2:11);D2(C1:1,C2:4)
PTGDS(2)(M98539_at,38406_f_at)≤-0.3—D1(C1:28,C2:2);D2(C1:50,C2:5)
RAB21(D42087_at,33326_at)>-0.8—D1(C1:28,C2:1);D2(C1:50,C2:2)
NBR1(D30756_at,33444_at)>-0.5—D1(C1:3,C2:1);D2(C1:5,C2:2)
RHOA(L25080_at,1394_at)>-0.5—D1(C1:3,C2:0);D2(C1:5,C2:0)
RHOA(L25080_at,1394_at)≤-0.5—D1(C1:0,C2:1);D2(C1:0,C2:2)
NBR1(D30756_at,33444_at)≤-0.5—D1(C1:25,C2:0);D2(C1:45,C2:0)
RAB21(D42087_at,33326_at)≤-0.8—D1(C1:0,C2:1);D2(C1:0,C2:3)

Table 33: Shared Decision Tree Mined from Dataset Pair (DH:LB)

DS=0.99
SA=0.88
SDTQ=0.82
MEOX2(X82629_at,40397_at)>1.1—D1(C1:4,C2:0);D2(C1:16,C2:1)
MEOX2(X82629_at,40397_at)≤1.1—D1(C1:28,C2:155);D2(C1:15,C2:149)
CEACAM6(M18728_at,36105_at)>-1.0—D1(C1:21,C2:150);D2(C1:0,C2:143)
CEACAM6(M18728_at,36105_at)≤-1.0—D1(C1:7,C2:5);D2(C1:15,C2:6)
VAT1(U18009_at,40147_at)>-0.1—D1(C1:6,C2:0);D2(C1:15,C2:0)
VAT1(U18009_at,40147_at)≤-0.1—D1(C1:1,C2:5);D2(C1:0,C2:6)

Table 34: Shared Decision Tree Mined from Dataset Pair (DH:LB)

DS=0.99
SA=0.89
SDTQ=0.84
MAP1B(Y09836_at,41373_s_at)>1.0—D1(C1:8,C2:0);D2(C1:19,C2:4)
MAP1B(Y09836_at,41373_s_at)≤1.0—D1(C1:24,C2:155);D2(C1:12,C2:146)
CEACAM6(2)(M18728_at,36105_at)>-0.9—D1(C1:18,C2:150);D2(C1:0,C2:137)
CEACAM6(2)(M18728_at,36105_at)≤-0.9—D1(C1:6,C2:5);D2(C1:12,C2:9)
BIN1(U68485_at,459_s_at)>0.1—D1(C1:4,C2:0);D2(C1:12,C2:0)
BIN1(U68485_at,459_s_at)≤0.1—D1(C1:2,C2:5);D2(C1:0,C2:9)

Table 35: Shared Decision Tree Mined from Dataset Pair (DH:LB)

DS=0.97
SA=0.88
SDTQ=0.81
CEACAM6(3)(M18728_at,36105_at)>-1.0—D1(C1:24,C2:150);D2(C1:1,C2:144)
ZNF135(U09413_at,36392_at)>-1.5—D1(C1:20,C2:150);D2(C1:0,C2:144)
ZNF135(U09413_at,36392_at)≤-1.5—D1(C1:4,C2:0);D2(C1:1,C2:0)
CEACAM6(3)(M18728_at,36105_at)≤-1.0—D1(C1:8,C2:5);D2(C1:30,C2:6)
CXCR5(X68149_at,37455_at)>-0.3—D1(C1:5,C2:0);D2(C1:30,C2:0)
CXCR5(X68149_at,37455_at)≤-0.3—D1(C1:3,C2:5);D2(C1:0,C2:6)

Table 36: Shared Decision Tree Mined from Dataset Pair (DH:LB)

DS=0.89
SA=0.93
SDTQ=0.81
CEACAM6(4)(M18728_at,36105_at)>-1.0—D1(C1:24,C2:150);D2(C1:1,C2:144)
IGF2(J03242_s_at,36782_s_at)>0—D1(C1:19,C2:34);D2(C1:1,C2:35)
CALB1(M19878_s_at,36570_at)>0.2—D1(C1:13,C2:0);D2(C1:1,C2:3)
CALB1(M19878_s_at,36570_at)≤0.2—D1(C1:6,C2:34);D2(C1:0,C2:32)
IGF2(J03242_s_at,36782_s_at)≤0—D1(C1:5,C2:116);D2(C1:0,C2:109)
CEACAM6(4)(M18728_at,36105_at)≤-1.0—D1(C1:8,C2:5);D2(C1:30,C2:6)
CXCR5(2)(X68149_at,37455_at)>-0.3—D1(C1:5,C2:0);D2(C1:30,C2:0)
CXCR5(2)(X68149_at,37455_at)≤-0.3—D1(C1:3,C2:5);D2(C1:0,C2:6)

Table 37: Shared Decision Tree Mined from Dataset Pair (DH:LM)

DS=0.85
SA=0.98
SDTQ=0.78
X61118_rna1_at>2.0—D1(C1:0,C2:3);D2(C1:0,C2:7)
X61118_rna1_at≤2.0—D1(C1:224,C2:23);D2(C1:86,C2:3)
U70663_at>0.4—D1(C1:11,C2:16);D2(C1:9,C2:1)
M29874_s_at>-0.1—D1(C1:0,C2:14);D2(C1:1,C2:1)
M29874_s_at≤-0.1—D1(C1:11,C2:2);D2(C1:8,C2:0)
U70663_at≤0.4—D1(C1:213,C2:7);D2(C1:77,C2:2)
U46744_at>1.0—D1(C1:0,C2:4);D2(C1:1,C2:0)
U46744_at≤1.0—D1(C1:213,C2:3);D2(C1:76,C2:2)
U76764_s_at>1.9—D1(C1:0,C2:1);D2(C1:0,C2:2)
U76764_s_at≤1.9—D1(C1:213,C2:2);D2(C1:76,C2:0)

Table 38: Shared Decision Tree Mined from Dataset Pair (DH:LM)

DS=0.99
SA=0.93
SDTQ=0.89
M87507_ s_ at>0.9—D1(C1:6,C2:8);D2(C1:6,C2:10)
Z18951_ at>0.2—D1(C1:0,C2:8);D2(C1:0,C2:10)
Z18951_ at≤0.2—D1(C1:6,C2:0);D2(C1:6,C2:0)
M87507_ s_ at≤0.9—D1(C1:218,C2:18);D2(C1:80,C2:0)

Table 39: Shared Decision Tree Mined from Dataset Pair (DH:LM)

DS=0.99
SA=0.97
SDTQ=0.95
U70663_ at(2)>0.4—D1(C1:11,C2:16);D2(C1:9,C2:6)
M29874_ s_ at(2)>-0.1—D1(C1:0,C2:14);D2(C1:1,C2:5)
M29874_ s_ at(2)≤-0.1—D1(C1:11,C2:2);D2(C1:8,C2:1)
AB000896_ at>0.6—D1(C1:0,C2:2);D2(C1:0,C2:1)
AB000896_ at≤0.6—D1(C1:11,C2:0);D2(C1:8,C2:0)
U70663_ at(2)≤0.4—D1(C1:213,C2:10);D2(C1:77,C2:4)
D13628_ at>1.3—D1(C1:0,C2:2);D2(C1:1,C2:4)
D13628_ at≤1.3—D1(C1:213,C2:8);D2(C1:76,C2:0)

Table 40: Shared Decision Tree Mined from Dataset Pair (DH:PC)

DS=0.94
SA=0.87
SDTQ=0.79
BIK(X89986_s_at,2011_s_at)>1.2—D1(C1:7,C2:0);D2(C1:19,C2:0)
BIK(X89986_s_at,2011_s_at)≤1.2—D1(C1:27,C2:26);D2(C1:58,C2:59)
HPN(X07732_at,37639_at)>-0.5—D1(C1:25,C2:22);D2(C1:56,C2:18)
BTN2A1(U90543_s_at,32673_at)>0.4—D1(C1:2,C2:16);D2(C1:4,C2:14)
AVPR1B(L37112_at,627_g_at)>0.4—D1(C1:1,C2:11);D2(C1:0,C2:14)
AVPR1B(L37112_at,627_g_at)≤0.4—D1(C1:1,C2:5);D2(C1:4,C2:0)
BTN2A1(U90543_s_at,32673_at)≤0.4—D1(C1:23,C2:6);D2(C1:52,C2:4)
PTGER4(L28175_at,33772_at)>0.8—D1(C1:0,C2:3);D2(C1:0,C2:1)
PTGER4(L28175_at,33772_at)≤0.8—D1(C1:23,C2:3);D2(C1:52,C2:3)
FBP1(U21931_at,36495_at)>-0.5—D1(C1:15,C2:0);D2(C1:46,C2:0)
FBP1(U21931_at,36495_at)≤-0.5—D1(C1:8,C2:3);D2(C1:6,C2:3)
TMEM11(X51804_at,31860_at)>-0.6—D1(C1:7,C2:0);D2(C1:6,C2:0)
TMEM11(X51804_at,31860_at)≤-0.6—D1(C1:1,C2:3);D2(C1:0,C2:3)
HPN(X07732_at,37639_at)≤-0.5—D1(C1:2,C2:4);D2(C1:2,C2:41)
POLR2L(U37690_at,503_at)>-0.6—D1(C1:1,C2:4);D2(C1:0,C2:41)
POLR2L(U37690_at,503_at)≤-0.6—D1(C1:1,C2:0);D2(C1:2,C2:0)

Table 41: Shared Decision Tree Mined from Dataset Pair (DH:PC)

	DS=0.96
	SA=0.94
	SDTQ=0.89
EPCAM(M93036_at,575_s_at)>-0.5	—D1(C1:32,C2:21);D2(C1:67,C2:16)
GSTM5(L02321_at,1289_at)>1.8	—D1(C1:0,C2:3);D2(C1:0,C2:8)
GSTM5(L02321_at,1289_at)≤1.8	—D1(C1:32,C2:18);D2(C1:67,C2:8)
RPS24(M31520_rna1_s_at,32315_at)>-0.6	—D1(C1:26,C2:9);D2(C1:65,C2:3)
ITPR1(U23850_s_at,32779_s_at)>1.9	—D1(C1:0,C2:3);D2(C1:0,C2:1)
ITPR1(U23850_s_at,32779_s_at)≤1.9	—D1(C1:26,C2:6);D2(C1:65,C2:2)
DPYS(D78011_at,41422_at)>0.1	—D1(C1:10,C2:6);D2(C1:19,C2:2)
RUNX2(L40992_at,39187_at)>0.2	—D1(C1:1,C2:5);D2(C1:3,C2:2)
ADD1(Z68280_cds2_s_at,32146_s_at)>1.3	—D1(C1:1,C2:0);D2(C1:3,C2:0)
ADD1(Z68280_cds2_s_at,32146_s_at)≤1.3	—D1(C1:0,C2:5);D2(C1:0,C2:2)
RUNX2(L40992_at,39187_at)≤0.2	—D1(C1:9,C2:1);D2(C1:16,C2:0)
DPYS(D78011_at,41422_at)≤0.1	—D1(C1:16,C2:0);D2(C1:46,C2:0)
RPS24(M31520_rna1_s_at,32315_at)≤-0.6	—D1(C1:6,C2:9);D2(C1:2,C2:5)
COL13A1(M33653_at,38952_s_at)>0.2	—D1(C1:0,C2:8);D2(C1:0,C2:4)
COL13A1(M33653_at,38952_s_at)≤0.2	—D1(C1:6,C2:1);D2(C1:2,C2:1)
EPCAM(M93036_at,575_s_at)≤-0.5	—D1(C1:2,C2:5);D2(C1:10,C2:43)
MAOA(M68840_at,41770_at)>-0.5	—D1(C1:2,C2:1);D2(C1:7,C2:4)
MAOA(M68840_at,41770_at)≤-0.5	—D1(C1:0,C2:4);D2(C1:3,C2:39)

Table 42: Shared Decision Tree Mined from Dataset Pair (DH:PC)

DS=0.93
SA=0.95
SDTQ=0.87
HPN(2)(X07732_at,37639_at)>-0.5—D1(C1:30,C2:22);D2(C1:75,C2:18)
BTN2A1(2)(U90543_s_at,32673_at)>0.4—D1(C1:4,C2:16);D2(C1:14,C2:14)
MLEC(D63486_at,41728_at)>1.2—D1(C1:2,C2:0);D2(C1:12,C2:0)
MLEC(D63486_at,41728_at)≤1.2—D1(C1:2,C2:16);D2(C1:2,C2:14)
PLK3(U56998_at,806_at)>-0.4—D1(C1:1,C2:16);D2(C1:0,C2:14)
PLK3(U56998_at,806_at)≤-0.4—D1(C1:1,C2:0);D2(C1:2,C2:0)
BTN2A1(2)(U90543_s_at,32673_at)≤0.4—D1(C1:26,C2:6);D2(C1:61,C2:4)
PTGER4(2)(L28175_at,33772_at)>0.8—D1(C1:0,C2:3);D2(C1:1,C2:1)
PTGER4(2)(L28175_at,33772_at)≤0.8—D1(C1:26,C2:3);D2(C1:60,C2:3)
FBP1(2)(U21931_at,36495_at)>-0.5—D1(C1:17,C2:0);D2(C1:54,C2:0)
FBP1(2)(U21931_at,36495_at)≤-0.5—D1(C1:9,C2:3);D2(C1:6,C2:3)
CEBPE(U48865_s_at,33097_at)>0.6—D1(C1:0,C2:2);D2(C1:0,C2:3)
CEBPE(U48865_s_at,33097_at)≤0.6—D1(C1:9,C2:1);D2(C1:6,C2:0)
HPN(2)(X07732_at,37639_at)≤-0.5—D1(C1:4,C2:4);D2(C1:2,C2:41)
SHROOM2(X83543_at,39283_at)>-0.7—D1(C1:1,C2:4);D2(C1:0,C2:39)
SHROOM2(X83543_at,39283_at)≤-0.7—D1(C1:3,C2:0);D2(C1:2,C2:2)

Table 43: Shared Decision Tree Mined from Dataset Pair (LB:LM)

DS=0.84
SA=0.92
SDTQ=0.74
PTGIS(759_at,D38145_at)>0.6—D1(C1:25,C2:0);D2(C1:24,C2:0)
PTGIS(759_at,D38145_at)≤0.6—D1(C1:6,C2:150);D2(C1:62,C2:416)
ADH1B(35730_at,X03350_at)>-0.4—D1(C1:6,C2:143);D2(C1:17,C2:416)
S100A8(41096_at,M21005_at)>-0.4—D1(C1:5,C2:143);D2(C1:5,C2:416)
EMP2(39631_at,U52100_at)>-0.8—D1(C1:0,C2:135);D2(C1:2,C2:416)
EMP2(39631_at,U52100_at)≤-0.8—D1(C1:5,C2:8);D2(C1:3,C2:0)
S100A8(41096_at,M21005_at)≤-0.4—D1(C1:1,C2:0);D2(C1:12,C2:0)
ADH1B(35730_at,X03350_at)≤-0.4—D1(C1:0,C2:7);D2(C1:45,C2:0)

Table 44: Shared Decision Tree Mined from Dataset Pair (LB:LM)

DS=0.81
SA=0.64
SDTQ=0.46
PMS2L11(179_at,U38980_at)>-0.1—D1(C1:28,C2:5);D2(C1:37,C2:0)
PMS2L11(179_at,U38980_at)≤-0.1—D1(C1:3,C2:145);D2(C1:49,C2:416)
TNNC1(39085_at,M37984_rna1_at)>0—D1(C1:0,C2:85);D2(C1:1,C2:416)
TNNC1(39085_at,M37984_rna1_at)≤0—D1(C1:3,C2:60);D2(C1:48,C2:0)

Table 45: Shared Decision Tree Mined from Dataset Pair (LB:PC)

DS=0.89
SA=0.98
SDTQ=0.83
41755_at>1.3—D1(C1:18,C2:0);D2(C1:20,C2:0)
41755_at≤1.3—D1(C1:13,C2:150);D2(C1:57,C2:373)
32598_at>-0.4—D1(C1:5,C2:102);D2(C1:6,C2:331)
33824_at>1.7—D1(C1:4,C2:0);D2(C1:4,C2:0)
33824_at≤1.7—D1(C1:1,C2:102);D2(C1:2,C2:331)
31823_at>-1.1—D1(C1:0,C2:99);D2(C1:1,C2:331)
31823_at≤-1.1—D1(C1:1,C2:3);D2(C1:1,C2:0)
32598_at≤-0.4—D1(C1:8,C2:48);D2(C1:51,C2:42)
38028_at>-0.4—D1(C1:0,C2:33);D2(C1:2,C2:34)
38028_at≤-0.4—D1(C1:8,C2:15);D2(C1:49,C2:8)
1577_at>-0.5—D1(C1:2,C2:14);D2(C1:8,C2:8)
37669_s_at>-0.6—D1(C1:0,C2:14);D2(C1:3,C2:8)
37669_s_at≤-0.6—D1(C1:2,C2:0);D2(C1:5,C2:0)
1577_at≤-0.5—D1(C1:6,C2:1);D2(C1:41,C2:0)

Table 46: Shared Decision Tree Mined from Dataset Pair (LM:PC)

	DS=0.95 SA=0.82 SDTQ=0.73
EPCAM(M93036_at,575_s_at)>-0.5	D1(C1:66,C2:0);D2(C1:66,C2:15)
EPCAM(M93036_at,575_s_at)≤-0.5	D1(C1:20,C2:66);D2(C1:11,C2:44)
CLCN7(Z67743_at,38069_at)>-0.3	D1(C1:18,C2:0);D2(C1:2,C2:0)
CLCN7(Z67743_at,38069_at)≤-0.3	D1(C1:2,C2:66);D2(C1:9,C2:44)
PALM(D87460_at,37657_at)>-0.3	D1(C1:0,C2:66);D2(C1:1,C2:36)
PALM(D87460_at,37657_at)≤-0.3	D1(C1:2,C2:0);D2(C1:8,C2:8)