

The joint graphical lasso for inverse covariance estimation across multiple classes.

Supplementary Materials: complete list of gene expression subnetworks from analysis of lung cancer dataset.

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The elements of the subnetworks uncovered in Figure 3 are as follows. Subnetwork membership is given without regard to subnetwork structure. Each unindented line begins a new subnetwork; each indented line continues a subnetwork. Note that many subnetworks contain multiple probes for the same gene.

Subnetworks in healthy samples

Membership of genes in healthy subnetworks is listed below.

RPL6,RPS7P11,RPL5
RPL10A,RPL15
RHOA,TM9SF2
PRKAR1A,CALM3
EEF1G,EEF1G
NACA,EEF1A1,EEF1A1,BTF3,NACA,RPL3,BTF3
GNAS,GNAS,GNAS,GNAS,GNAS,CD9
LDHB,LDHB
RPLP0,RPLP0
TUBA1B,TUBA1C,TUBA1B,TUBA1B,TUBA1C,TUBA1B,TUBA1B
RPL4,RPL4
PPIA,PPIA,PPIA,PPIA,PPIA
COPB1,PSMA3,MMADHC
ACTG1,ACTG1,ACTG1,ACTG1,ACTG1,ACTG1
ANXA2,ANXA2,ANXA2
PSMA1,PSMA1
EIF1,EIF1,EIF1
CYP1B1,CYP1B1

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HINT1,HNRNPA2B1,HNRNPK,HSP90AB1,HSP90AB1,
HSPA8,ITM2B,LOC100133775,MARCKS,MATR3,
MDH1,MMADHC,MYL12B,NACA,NACA,NAP1L1,
NAP1L1,NARS,NPTN,PPIA,PPIA,PPIA,PPIA,
PPIA,PPP2CB,PSMA2,PSMA3,PSMD6,PTGES3,
RAB11A,RAB1A,RAN,RHOA,RPL10A,RPL14P1,
RPL17,RPL17,RPL17,RPL3,RPL30,RPL31,RPL5,
RPL6,RPLP0P6,RPS23,RPS24,RPS7P11,RPS8,
SCP2,SEPT2,SF3B1,SF3B1,SPCS1,SRP14,
SRP9L1,SSBP1,TM9SF2,TMCO1,TMED10,TMEM14B,
TOMM20,TPT1,TSG101,UBXN4,UGP2,YWHAZ
RPL15,RPL15,ACTR10,SET
RPL24,RPL35A
PRKAR1A,CALM3
EEF1G,EEF1G
DAZAP2,TCP1
EIF4A2,RTN4
LDHB,LDHB
RPLP0,RPLP0,RPLP0
BCLAF1,SERBP1
TUBA1B,TUBA1C,TUBA1B,TUBA1B,TUBA1C,TUBA1B,TUBA1B
RPL4,RPL4
NQO1,NQO1
ACTG1,ACTG1,ACTG1,ACTG1,ACTG1,ACTG1
ANXA2,ANXA2P2,ANXA2,ANXA2
PSMA1,PSMA1
TWF1,CHMP5
EIF1,EIF1,EIF1
PCM1,TSPAN6,CALM3,HIPK1,AZIN1,C16orf80
DBI,DBI,DBI
CYP1B1,CYP1B1
RPS2,RPS2
HBA2,HBA2,HBA2,HBA2,HBA2
AKR1C1,AKR1C2
HBG2,HBG2,HBG2
UGT1A1,UGT1A1
NPIP,LOC339047,LOC100132540
LOC100133811,HLA-DRB1,LOC100133811,LOC100133811
HLA-F,HLA-F
DBT,PDE4C,NM_017618,ZNF160,PGF,FBXW12,AK023783,AK021514,
AF222691,HAUS2,POLR1B,SLC35E1
TPSB2,TPSB2
SLC27A2,SLC27A2
ZC3H7B,AK022213,FAM128B
OPHN1,RECK
PFDN5,PFDN5
DDR1,DDR1

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MSMB,MSMB
ATP5L,ATP5L,ATP5L
NM_017932,AI683552
CYB5A,CYB5A
PABPC3,PABPC1,LOC652607
HLA-B,HLA-G,HLA-G,HLA-B
LOC440926,LOC440926,LOC440926
RPL22,RPL22
HLA-C,HLA-C
HLA-DRA,HLA-DRA
TUBB2C,TUBB3
HBB,HBB,HBB
IGL@,IGL@
TUSC3,TUSC3
SERPINB3,SERPINB4
CD24,CD24
FN1,FN1,FN1,FN1
RPL13A,RPL13A
ACTG1,ACTG1