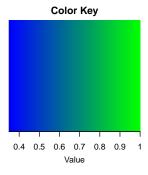
sharedsign

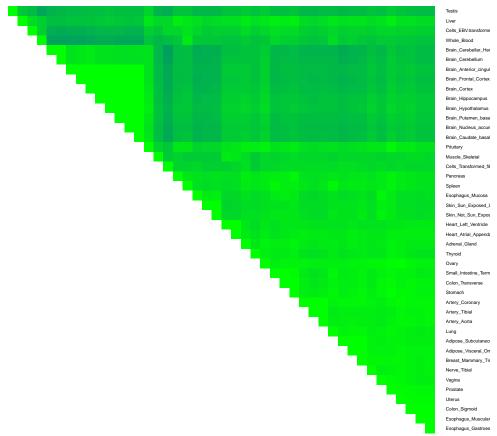
Perform the analysis with separate analyses:

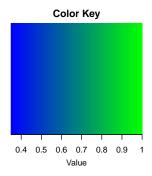
```
##
## Attaching package: 'gplots'
## The following object is masked from 'package:stats':
##
## lowess
```

We could also try this with the orders induced from sharing by effect size:

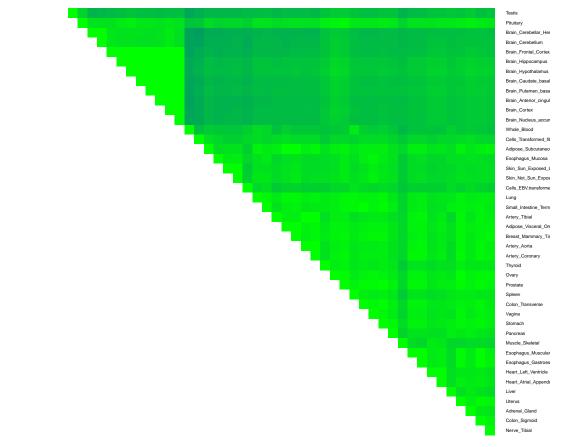


Pairwise Sharing by Sign



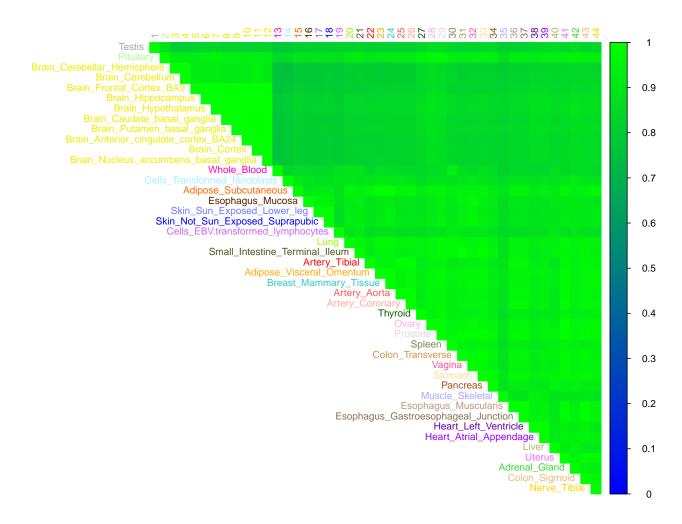


Pairwise Sharing by Sign

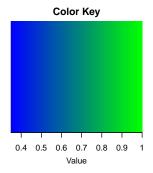


Warning in ind1:ind2: numerical expression has 2 elements: only the first
used

Warning in ind1:ind2: numerical expression has 2 elements: only the first
used

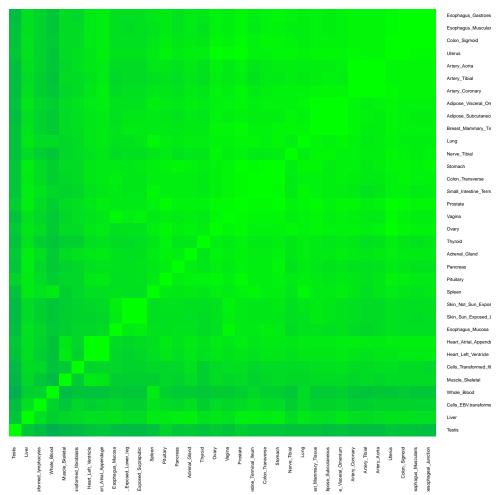


[1] 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 ## [24] 11 10 9 8 7 6 5 4 3 2 1

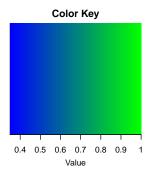


eQTL in either tissues and Same Sign,SUB

Defined as QTL if LFSR<0.05

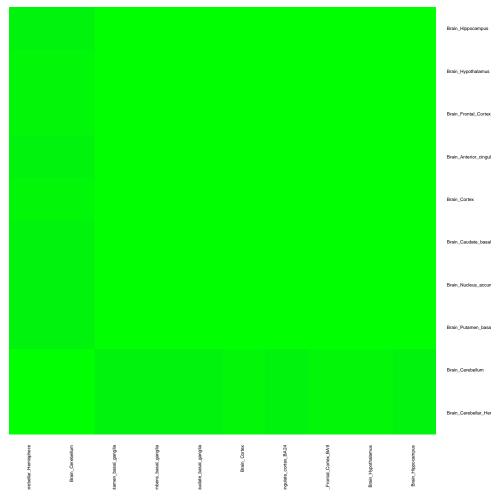


[1] 10 9 8 7 6 5 4 3 2 1



eQTL in either tissues and Same Sign,SUB

Defined as QTL if LFSR<0.05



Repeat with all

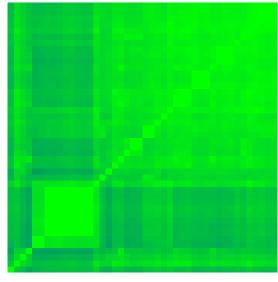
We could also try this with the orders induced from sharing by effect size:

Color Key



er tissues and within 2-fold,GL

Defined as QTL if LFSR<0.05



Esophagus Muscular
Colon Sigmod
Uterus
Colon Sigmod
Uterus
Prostate
Vagina
Nerve Tibial
Breast Mammary—Tis
Adipose Visceral Orr
Adipose Subcutaneo
Latery Tibial
Artery Coronary
Stomach
Colon Transverse
Small—Intestine—Term
Ovary
Thyroid
Colon Transverse
Small—Intestine—Term
Ovary
Thyroid
Siani Appends
Heart Left Ventricle
Skin Not Sun Exposed
Lesophagus Mucosa
Spleen
Pancreas
Cells Transformed fit
Muscle Skeletal
Pituitary
Muscle Skeletal
Pituitary
Muscle Skeletal
Pituitary
Brain Nucleus accun
Brain—Putamen basa
Brain—Hoppocampus
Brain—Fontal—Cortex
Brain—Frontal—Cortex
Brain—Frontal—Cortex
Brain—Frontal—Cortex
Brain—Cerebellar

formed lymphocytes the selection of the

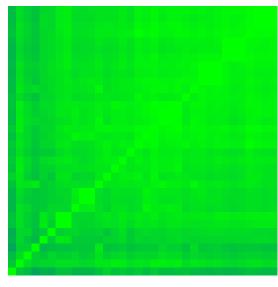
[1] 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 ## [24] 11 10 9 8 7 6 5 4 3 2 1

Color Key



er tissues and within 2-fold,GL

Defined as QTL if LFSR<0.05



Esophagus_Gastroes Esophagus_Muscular Colon_Sigmoid Uterus Artery_Aorta Artery_Tibial Artery_Coronary Adipose_Visceral_Or Adipose_Subcutaneoi Breast_Mammary_Tis Lung Breast_Mammary_Tis Lung Nerve_Tibial Stomach Colon_Transverse Small_Intestine_Term Prostate Prostate
Vagina
Ovary
Thyroid
Adrenal_Gland
Pancreas
Pituitary
Spleen
Skin_Not_Sun_Expos
Skin_Sun_Exposed_L
Esophagus_Mucosa
Heart_Atrial_Appends
Heart_Left_Ventricle
Cells_Transformed_fit
Muscle_Skeletal
Whole_Blood
Cells_EBV.transforme
Liver
Testis Testis

Testis
Liver
Whole_Blood
Whole_Blood
Whole_Blood
Whole_Blood
Whole_Blood
Heart_Let_Vertricle
art_Artel_Appendage
Exphages_Mucosa
Exposed_Lowe_leg
Exposed_Lowe_leg
Exposed_Lowe_leg
Exposed_Lowe_leg
Exposed_Lowe_leg
Exposed_Lowe_leg
Exposed_Lowe_leg
Pencies
Adrend_Gland
Thyrod
Ovary
Vagina
This Someth
Nerve_Tibial
Artery_Connary
Ulbrus
Colon_Sigmoid
Sophages_Muscialris
Versignoid

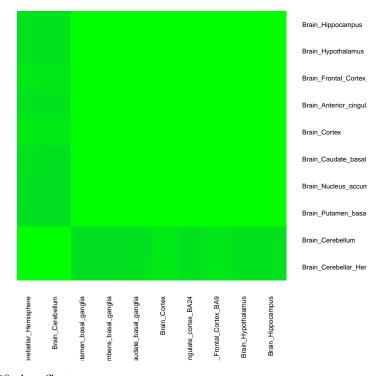
[1] 10 9 8 7 6 5 4 3 2 1

Color Key

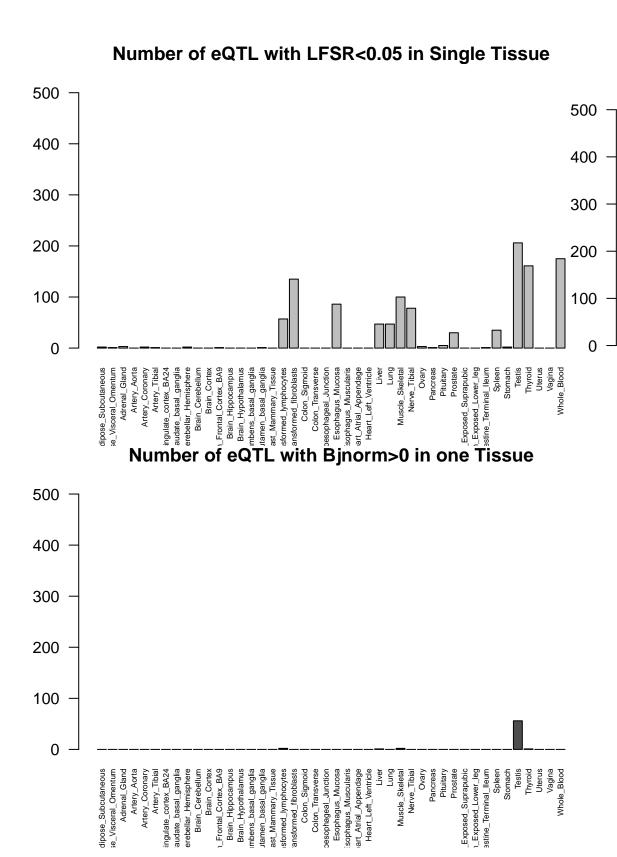


er tissues and within 2-fold,GL

Defined as QTL if LFSR<0.05



Tissuespecific by effect:



Number of

erebellar_Hemisphere Brain_Cerebellum Brain_Cortex

se_Visceral_Omentum Adrenal_Gland Artery_Aorta

Artery_Coronary
Artery_Tibial
ingulate_cortex_BA24
audate_basal_ganglia

dipose_Subcutaneous

Also, plot the number of tissues in which a gene has the same sign:

```
samesign=apply(pm.mash.beta.norm,1,function(x){sum(x>0)})
hist(samesign,main="",xlab="NumberofTissues",breaks=0.5:44.5,col="grey",freq=FALSE,xaxt="n")
axis(1, at=seq(1, 44, by=1), labels=c(1:44))
```

