

Modeling the functional genomics of autism using human neurons

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Supplementary Information

Supplemental Methods

R code for network analysis

Supplemental Figure 1

Hierarchical clustering of the gene expression profiles of differentiating NHNPs. A) Clustering of the samples based on the expression of all genes on the arrays. B) Clustering of the samples based on the top 500 most variable genes on the arrays among the four groups. There is a distinct clustering of To (wo) and D2 (w2) samples together and D4 (w4) and D8 (w8) samples together.

Supplemental Figure 2

Network visualization of modules containing ASD genes, selecting all ASD genes for inclusion. A) Turquoise module with all ASD genes included. B) Royal blue module with all ASD genes included.

Supplementary Table 1

Cell Line Characteristics

Supplementary Table 2

Genes differentially expressed after four weeks of differentiation

Supplementary Table 3

Complete gene ontology data

Supplementary Table 4

Overlap of genes changing at D4 in NHNPs and between 18GW and 23GW *in vivo*

Supplementary Table 5

Module characterization

Supplementary Table 6

WGCNA gene membership and information

Supplementary Table 7

Gene ontology of ASD-related modules

Supplementary Table 8

Sequences of primers utilized in qRT-PCR and *in situ* hybridization

Supplemental Methods

#1 read in data

```
setwd("/data/home/fuying/NHNP")

library(Biobase)
library(marray)
library(limma)
library(RColorBrewer)
library(MASS)
library(gplots)
library(MASS)
library(class)
library(cluster)
library(sma)
library(impute)
library(scatterplot3d)

source("/data/home/fuying/NetworkFunctions.txt")
source("/data/home/fuying/MO_fxs.txt")

curr.study="NHNP"

dat1<-read.csv("NHNP_normalized.csv", header=T)
dim(dat1)

dat1<-dat1[!duplicated(dat1$Target),]
dim(dat1)

rownames(dat1)=dat1$Target
```

2. selection

```
data5<-dat1[,5:20]
row.mean<-apply(data5,1,mean)
row.sd<-apply(data5,1,sd)
row.cv<- row.sd/ row.mean

data2<-cbind(dat1, row.mean, row.sd, row.cv)

data3<-data2[order(data2$row.cv, decreasing=TRUE),]

dat2<- data2[data2$row.cv>=0.033,c(5:20)]
dim(dat2)

datExpr = data.frame(t(dat2))
dim(datExpr)
```

3. choosing the power

```
timestamp()
powers1=c(seq(1,20,by=1))
collect_garbage()
TableSoft=PickSoftThreshold(datExpr, powervector=powers1)[[2]]
timestamp()

pdf("power-curve.pdf", height=10, width=18)
par(mfrow=c(1,2))
plot(TableSoft$Power, -sign(TableSoft[,3]* TableSoft[,2]), xlab="power", ylab=" Scale Free Topology Model Fit,signed
R^2")
text(TableSoft$Power, TableSoft$scale.law.R.2, labels=powers1, cex=1,col="red")
#identify(TableSoft$Power, TableSoft$scale.law.R.2, cex=0.6, col=3 )
abline(h=0.9, col=4)
abline(h=0.8, col=6)
plot(TableSoft$Power, TableSoft$mean.k.,
xlab="Soft Threshold (power)",ylab="Mean Connectivity", type="n",
main = paste("Mean connectivity"))
text(TableSoft$Power, TableSoft[,5], labels=powers1, cex=0.6,col="red")
dev.off()
```

4. trying power =, get connectivity

```
curr.power=12
```

5a. computing the adjacency matrix

```
collect_garbage()
AdjMat = abs(cor(datExpr,use="p"))^curr.power
collect_garbage()
diag(AdjMat)=0
collect_garbage()
dim(AdjMat)
```

5b. computing the TOM

```
curr.step<-"5b"
noFirstPass=ncol(datExpr)

collect_garbage()
timestamp()
distTOM <- TOMdist1(AdjMat)
timestamp()
```

5c. clustering TOM

```
curr.step<-"5c"

collect_garbage()
timestamp()
hierTOM <- hclust(as.dist(distTOM),method="average")
timestamp()
collect_garbage()
```

6. cutting the tree

```
curr.step<-"6"
```

```
mydeepSplit = TRUE  
myminModuleSize = 20
```

```
outfile=<-paste(curr.study,"_",curr.step,"_",noFirstPass,"_InitialModulesTesting_", "p",curr.power,".pdf",sep="")
```

```
pdf(file=outfile)
```

```
for (cutoffs in c(0.995,0.990,0.985,0.980, 0.975, 0.97, 0.965, 0.96, 0.955, 0.95, 0.945, 0.94, 0.93, 0.92, 0.9)) {  
  myheightcutoff = cutoffs
```

```
  colorh1=cutreeDynamic(hierclust= hierTOM, deepSplit=mydeepSplit, maxTreeHeight=myheightcutoff,  
    minModuleSize=myminModuleSize)
```

```
  par(mfrow=c(2,1),mar=c(2,2,2,2))
```

```
    plot(hierTOM,  
      main=paste(outfile,"_cutoff: ",cutoffs,  
        "_Modules=",length(unique(colorh1)),  
        "_NotGrey=", length(colorh1[!colorh1=="grey"])
```

```
,sep=""),labels=F,cex.main=0.8)
```

```
  abline(h=myheightcutoff,col="red",lwd=1)
```

```
  hclustplot1(hierTOM,colorh1,title1=paste("DTC modules,",myheightcutoff,  
    "min",myminModuleSize,"mds=",mydeepSplit))
```

```
  cat("cutoff=",cutoffs," Modules=",length(unique(colorh1)),  
    "NotGreyGenes",length(colorh1[!colorh1=="grey"]),"\n")
```

```
} #end cutoff testing
```

```
dev.off()
```

7a. choosing a cut threshold

```
curr.step="7a"
```

```
curr.cutoff<-0.99
```

```
mydeepSplit = TRUE
```

```
myminModuleSize = 20
```

```
myheightcutoff = curr.cutoff
```

```
colorh1=cutreeDynamic(hierclust= hierTOM, deepSplit=mydeepSplit, maxTreeHeight=myheightcutoff,  
  minModuleSize=myminModuleSize)
```

```
data.frame(table(colorh1))
```

```
PSID=data2$Target[data2$row.cv>=0.033]
```

```
datout1=data.frame(PSID,colorh1)
```

```
colnames(datout1)=c("PSID","colorh1")
```

```
outfile=<-paste(curr.study,"_ratio_",curr.step,"_InitialModules_", "cut",curr.cutoff,"_p",curr.power,".csv",sep="")
```

```
write.table(datout1, paste(outfilename),sep=",")
```

7b. computing and clustering the PCs

```
curr.step="7b"
```

```
pcs = ModulePrinComps1(datexpr=as.matrix(datExpr), couleur=as.character(colorh1))
```

```
distCorPCs = 1-abs(cor(pcs[[1]],use="p"))
```

```
distCorPCs = ifelse(is.na(distCorPCs), 0, distCorPCs)
```

```
h1PCs = hclust(as.dist(distCorPCs),method="a")
```

##PDF output

```
outfilename<-
```

```
paste(curr.study,"_",curr.step,"_",noFirstPass,"_InitialModules_", "cut",curr.cutoff,"_p",curr.power,"_PCs.pdf",sep="")
```

```
pdf(file= paste(outfilename,sep=""),bg="transparent",width=21,height=12)
```

```
par(mfrow=c(3,1),mar=c(2,2,2,2))
```

```
#first section: tree
```

```
plot(hierTOM,main=outfilename,labels=F)
```

```
#second section: color codes for modules
```

```
hclustplot1(hierTOM,colorh1,title1=paste("DTC modules",myheightcutoff, "min",myminModuleSize,"mds=",mydeepSplit))
```

```
#third section: clustering of PCs
```

```
plot(h1PCs, xlab="",ylab="",main="",sub="")
```

```
abline(h=0.1, col=3)
```

```
abline(h=0.2, col=4)
```

```
dev.off()
```

#8. Re-building the network without the grey genes

```
curr.step="8"
```

```
greyvec=colorh1=="grey"
```

```
datExpr2=datExpr[!,greyvec]
```

```
dim(datExpr2)
```

```
noFirstPass=ncol(datExpr)
```

```
noSecondPass=ncol(datExpr2)
```

#8a. computing the adjacency matrix

```
AdjMat2 = abs(cor(datExpr2,use="p"))^curr.power
```

```
diag(AdjMat2)=0
```

```
collect_garbage()
```

```
dim(AdjMat2)
```

8b. computing the TOM

```
curr.step="8b"

timestamp()
distTOM2 <- TOMdist1(AdjMat2)
timestamp()
collect_garbage()
```

8c. clustering TOM

```
curr.step="8c"

timestamp()
hierTOM2 <- hclust(as.dist(distTOM2),method="average")
timestamp()

collect_garbage()
```

9. cutting the tree

```
curr.step<-"9"

mydeepSplit = TRUE
myminModuleSize = 20

outfile<-
paste(curr.study,"_",curr.step,"_",noFirstPass,"_ModuleSecondTesting_", "p",curr.power,"greyRemove",noSecondPass,".pdf",sep="")

pdf(file= paste(outfile,sep=""))
for (cutoffs in c(0.995, 0.990,0.985,0.980, 0.975, 0.970, 0.965, 0.960, 0.955, 0.950)) {
  myheightcutoff = cutoffs

  colorh1=cutreeDynamic(hierclust= hierTOM2, deepSplit=mydeepSplit, maxTreeHeight=myheightcutoff,
minModuleSize=myminModuleSize)
  par(mfrow=c(2,1),mar=c(2,2,2,2))
  plot(hierTOM2,
main=paste(outfile,"_cutoff: ",cutoffs,
"_Modules=",length(unique(colorh1)),
"_NotGrey=", length(colorh1[!colorh1=="grey"]))
,sep=""),labels=F,cex.main=0.5)
  abline(h=myheightcutoff,col=2,lwd=0.8)
  hclustplot1(hierTOM2,colorh1,title1=paste("DTC modules,",myheightcutoff,
"min",myminModuleSize,"mds=",mydeepSplit))
  cat("cutoff=",cutoffs," Modules=",length(unique(colorh1)),
NotGreyGenes",length(colorh1[!colorh1=="grey"]),"\n")
} #end cutoff testing
dev.off()
```

9a. choosing a cut threshold

```
curr.step="9a"
```

```
myheightcutoff =0.995
mydeepSplit = TRUE
myminModuleSize = 20
```

```
colorh1=cutreeDynamic(hierclust=hierTOM2, deepSplit=mydeepSplit, maxTreeHeight=myheightcutoff,
minModuleSize=myminModuleSize)
```

```
length(unique(colorh1))
#[1]105
```

```
outfile<-paste(
curr.study,"_",curr.step,"_",noFirstPass,"_", "p",curr.power,"greyRemove",noSecondPass,"_ChosenCut=",myheightcutoff,".
pdf",sep="")
```

```
pdf(file= paste(outfile,sep=""),bg="transparent",width=21,height=12)
```

```
par(mfrow=c(2,1),mar=c(2,2,2,2))
plot(hierTOM2,main=outfile,labels=F,cex.main=0.8)
hclustplot1(hierTOM2,colorh1,title1=paste("DTC modules,",myheightcutoff,
"min",myminModuleSize,"mds=",mydeepSplit))
dev.off()
```

9b. computing and clustering the PCs

```
curr.step="9b"
```

```
pcs = ModulePrinComps1(datexpr=as.matrix(datExpr2), couleur=as.character(colorh1))
distCorPCs = 1-abs(cor(pcs[[1]],use="p"))
distCorPCs = ifelse(is.na(distCorPCs), 0, distCorPCs)
h1PCs = hclust(as.dist(distCorPCs),method="a")
```

```
Rd2ModuleNumbers=ModuleQCnoPerm(datExpr1=datExpr2,couleur=colorh1,distTOM1=distTOM2,hierTOM1=hierTOM2
,pcs1=pcs)
```

```
write.table(Rd2ModuleNumbers,file="ModuleNumbers_SecondPass_998cut.csv",sep=";",row.names=F,col.names=T)
collect_garbage()
```

```
mod.pos<- Rd2ModuleNumbers[,c(1,2,8)]
mod.pos[,1]<- (as.character(mod.pos[,1]))
mod.pos<-mod.pos[order(mod.pos[,1]),]
```

```
h1PCs$labels
```

```
mod.pos
```

```
new.lab<-paste(mod.pos[,3],mod.pos[,1], mod.pos[,2],sep="_")
new.lab->h1PCs$labels
```

```
outfile<-paste(
curr.study,"_",curr.step,"_",noFirstPass,"_", "p",curr.power,"greyRemove",noSecondPass,"_ChosenCut=",myheightcutoff,"P
Cs.pdf",sep="")
```



```

pdf(file= paste(outfilename,sep=""),bg="transparent",width=21,height=12)

par(mfrow=c(3,1),mar=c(2,2,2,2))

plot(hierTOM2,main=outfilename, labels=F)

hclustplot1(hierTOM2,colorh1,title1=paste("DTC modules,",myheightcutoff, "min",myminModuleSize))

plot(h1PCs, xlab="",ylab="",main="",sub="")
abline(h=0.1, col=3)
abline(h=0.2,col=5)

dev.off()

datout2=data.frame(PSID[!greyvec],colorh1)
colnames(datout2)=c("PSID","colorh1")

write.table(datout2,"ModuleNumbers_SecondPass_singleGenes_premerge.csv",sep="," ,row.names=F)

```

10. Merging the modules

```

colorh1 = merge2Clusters(colorh1, mainclusterColor="red3", minorclusterColor="darkslateblue")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green3", minorclusterColor="thistle4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green3", minorclusterColor="wheat1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green3", minorclusterColor="navajowhite4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green3", minorclusterColor="palegreen3")
colorh1 = merge2Clusters(colorh1, mainclusterColor="lightblue1", minorclusterColor="dodgerblue2")
colorh1 = merge2Clusters(colorh1, mainclusterColor="lightblue1", minorclusterColor="tomato1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="darkmagenta", minorclusterColor="midnightblue")
colorh1 = merge2Clusters(colorh1, mainclusterColor="darkmagenta", minorclusterColor="seagreen2")
colorh1 = merge2Clusters(colorh1, mainclusterColor="pink4", minorclusterColor="orangered1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="pink4", minorclusterColor="violet")
colorh1 = merge2Clusters(colorh1, mainclusterColor="lightsalmon1", minorclusterColor="olivedrab3")
colorh1 = merge2Clusters(colorh1, mainclusterColor="blue4", minorclusterColor="orchid2")
colorh1 = merge2Clusters(colorh1, mainclusterColor="blue4", minorclusterColor="lightgoldenrod2")
colorh1 = merge2Clusters(colorh1, mainclusterColor="royalblue4", minorclusterColor="lightsteelblue4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="black", minorclusterColor="sandybrown")
colorh1 = merge2Clusters(colorh1, mainclusterColor="brown1", minorclusterColor="deepskyblue4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green3", minorclusterColor="aquamarine2")

colorh1 = merge2Clusters(colorh1, mainclusterColor="brown", minorclusterColor="brown1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="blue", minorclusterColor="blue4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="red", minorclusterColor="red3")
colorh1 = merge2Clusters(colorh1, mainclusterColor="yellow", minorclusterColor="lightyellow1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="salmon", minorclusterColor="lightsalmon1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="navy", minorclusterColor="cornflowerblue")
colorh1 = merge2Clusters(colorh1, mainclusterColor="pink", minorclusterColor="pink4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="magenta", minorclusterColor="goldenrod1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="skyblue", minorclusterColor="goldenrod")
colorh1 = merge2Clusters(colorh1, mainclusterColor="cyan", minorclusterColor="lightblue1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="royalblue", minorclusterColor="royalblue4")
colorh1 = merge2Clusters(colorh1, mainclusterColor="tan", minorclusterColor="sienna1")
colorh1 = merge2Clusters(colorh1, mainclusterColor="gold4", minorclusterColor="slateblue2")
colorh1 = merge2Clusters(colorh1, mainclusterColor="purple", minorclusterColor="mediumvioletred")
colorh1 = merge2Clusters(colorh1, mainclusterColor="green", minorclusterColor="green3")
colorh1 = merge2Clusters(colorh1, mainclusterColor="orange", minorclusterColor="mediumslateblue")
colorh1 = merge2Clusters(colorh1, mainclusterColor="seagreen", minorclusterColor="mediumspringgreen")

```

```
colorh1 = merge2Clusters(colorh1, mainclusterColor="darkcyan", minorclusterColor="hotpink3")
```

10c. computing and clustering the PCs

```
curr.step<-"10c"
```

```
pcs = ModulePrinComps1(datexpr=as.matrix(datExpr2), couleur=as.character(colorh1))  
distCorPCs = 1-abs(cor(pcs[[1]],use="p"))  
distCorPCs = ifelse(is.na(distCorPCs), 0, distCorPCs)  
h1PCs = hclust(as.dist(distCorPCs),method="a")
```

```
Rd6ModuleNumbers=ModuleQCnoPerm(datExpr1=datExpr2,couleur=colorh1,distTOM1=distTOM2,hierTOM1=hierTOM2,  
,pcs1=pcs)
```

```
mod.pos<- Rd6ModuleNumbers[,c(1,2,8)]  
mod.pos[,1]<- (as.character(mod.pos[,1]))  
mod.pos<-mod.pos[order(mod.pos[,1]),]
```

```
h1PCs$labels  
mod.pos  
#just to check
```

```
new.lab<-paste(mod.pos[,3],mod.pos[,1], mod.pos[,2],sep="_")  
new.lab->h1PCs$labels
```

```
outfilename<-  
paste(curr.study,"_",curr.step,"_",noFirstPass,"_", "p",curr.power,"greyRemove",noSecondPass,"_ChosenCut=",myheightcu  
toff,"PCs_afterMerging.pdf",sep="")
```

```
pdf(file= paste(outfilename,sep=""),bg="transparent",width=21,height=12)  
par(mfrow=c(3,1),mar=c(2,2,2,2))  
plot(hierTOM2,main=outfilename,labels=F)  
hclustplot1(hierTOM2,colorh1,title1=paste("DTC modules,",myheightcutoff, "min",myminModuleSize))  
plot(h1PCs, xlab="",ylab="",main="",sub="")  
abline(h=0.1,col=3)  
abline(h=0.2,col=6)  
dev.off()
```

11. Data output

```
PSID2=dat1$Target[data2$row.cv>=0.033] [!greyvec]  
Gene2= dat1$Symbol [data2$row.cv>=0.033] [!greyvec]  
Desc2= dat1$Definition [data2$row.cv>=0.033] [!greyvec]  
ASID2<- dat1$Accession [data2$row.cv>=0.033] [!greyvec]
```

```
datout3=data.frame(PSID[!greyvec],colorh1)  
colnames(datout3)=c("PSID","colorh1")  
write.table(datout3,"modules_postmerge.csv",sep="," ,row.names=F)
```

```
collect_garbage()  
alldegrees=DegreeInOutMO(datExpr1=datExpr2,adj1=AdjMat2,couleur=colorh1,pcs1=pcs)
```

```

collect_garbage()
dim(alldegrees)
meanExpr=apply(datExpr2,2,mean)
datout=data.frame(PSID2, Gene2, Desc2, ASID2, colorh1, alldegrees, meanExpr)
write.table(datout,file="Modules_ke_info.csv",sep="," ,row.names=F,col.names=T)

```

```

FinalModuleNumbers=ModuleQCnoPerm(datExpr1=datExpr2, couleur=colorh1, distTOM1=distTOM2, hierTOM1=hierTOM
2, pcs1=pcs)
write.table(FinalModuleNumbers, file="FinalModuleNumbers.csv", sep="," , row.names=F, col.names=T)
collect_garbage()

```

12. Network Connectivity Permutation Analysis

```

ADJ<-AdjMat2
aa<-read.csv("ASD.csv",header=T)

```

```

#ASD.csv is merged from SFARI.gene list and module info
#only got 105 overlapping

```

```

ASD<-aa$PSID2
observed = mean(ADJ[ASD,ASD]) #0.3824946
#where "ASD" is the list of ASD genes.
expected = NULL for (k in 1:5000){ randGenes = sample (1:dim(ADJ)[2],length(ASD)) xx<-
mean(ADJ[randGenes,randGenes])
expected = c(expected, mean(ADJ[randGenes,randGenes]))
pValue = sum(expected>observed)/5000
res<-cbind(xx,pValue)
if (k==1)
res2<-res
else
res2<-rbind(res2,res)
print(k) }
write.table(res2, "pvalue_perm5000.csv",sep="," ,)

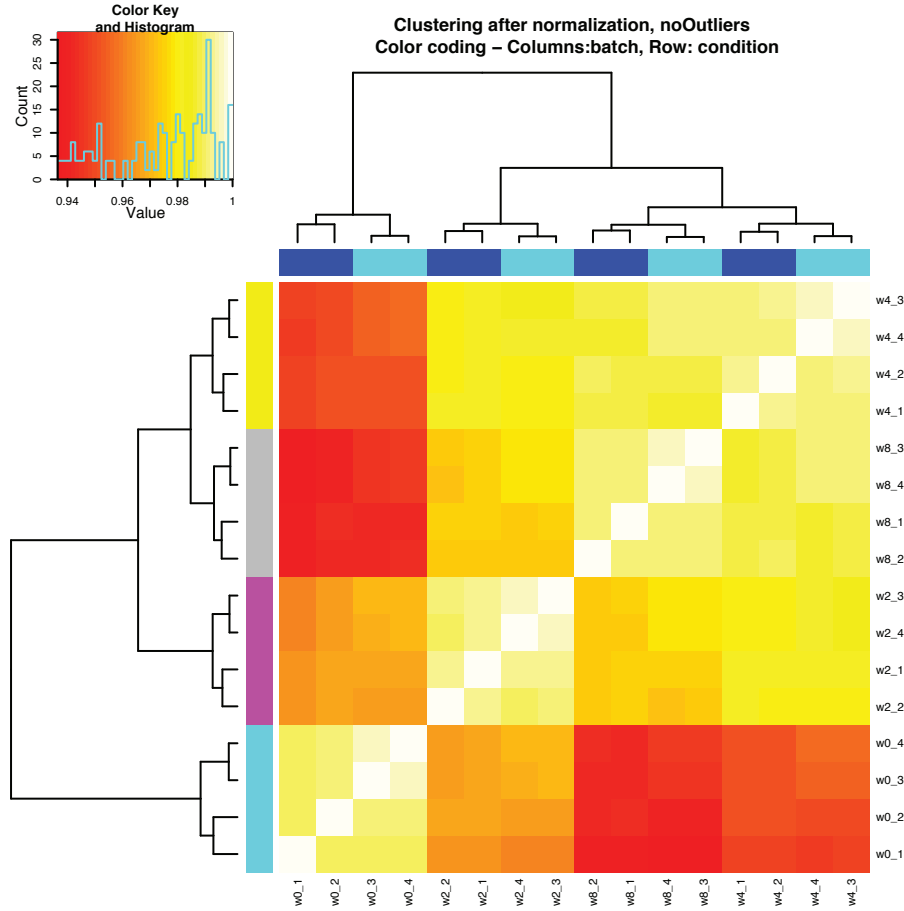
```

```

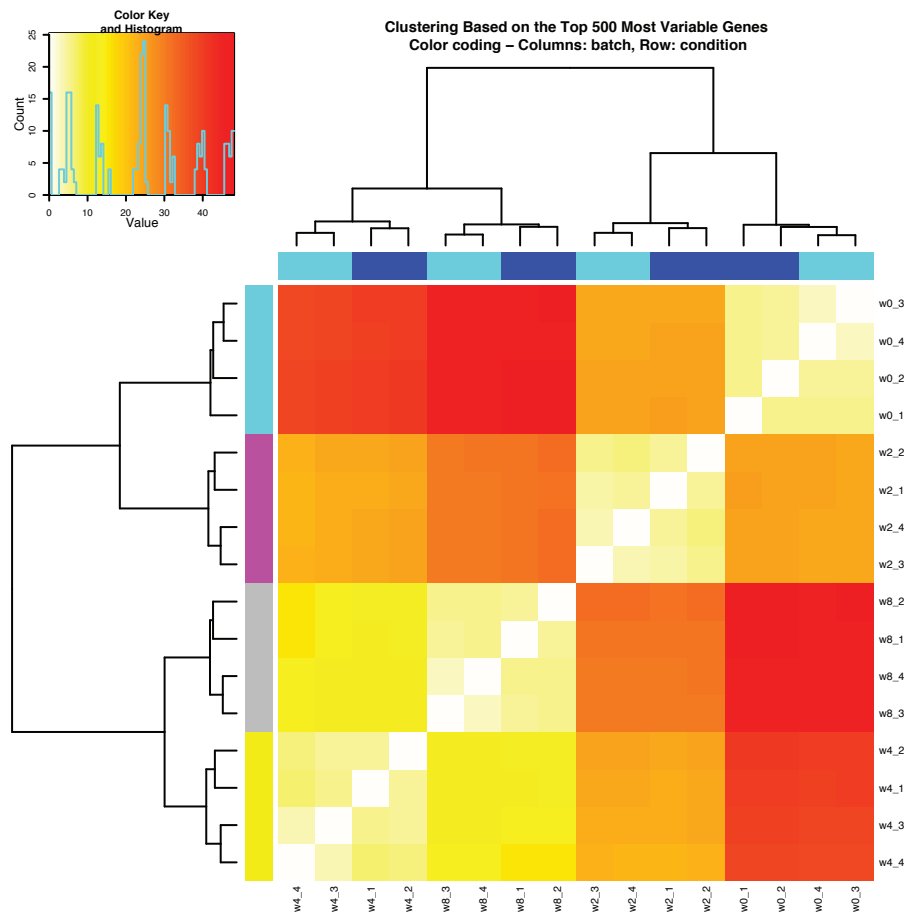
#observed value of entire network
observed=mean(ADJ)
observed
[1] 0.06602216

```

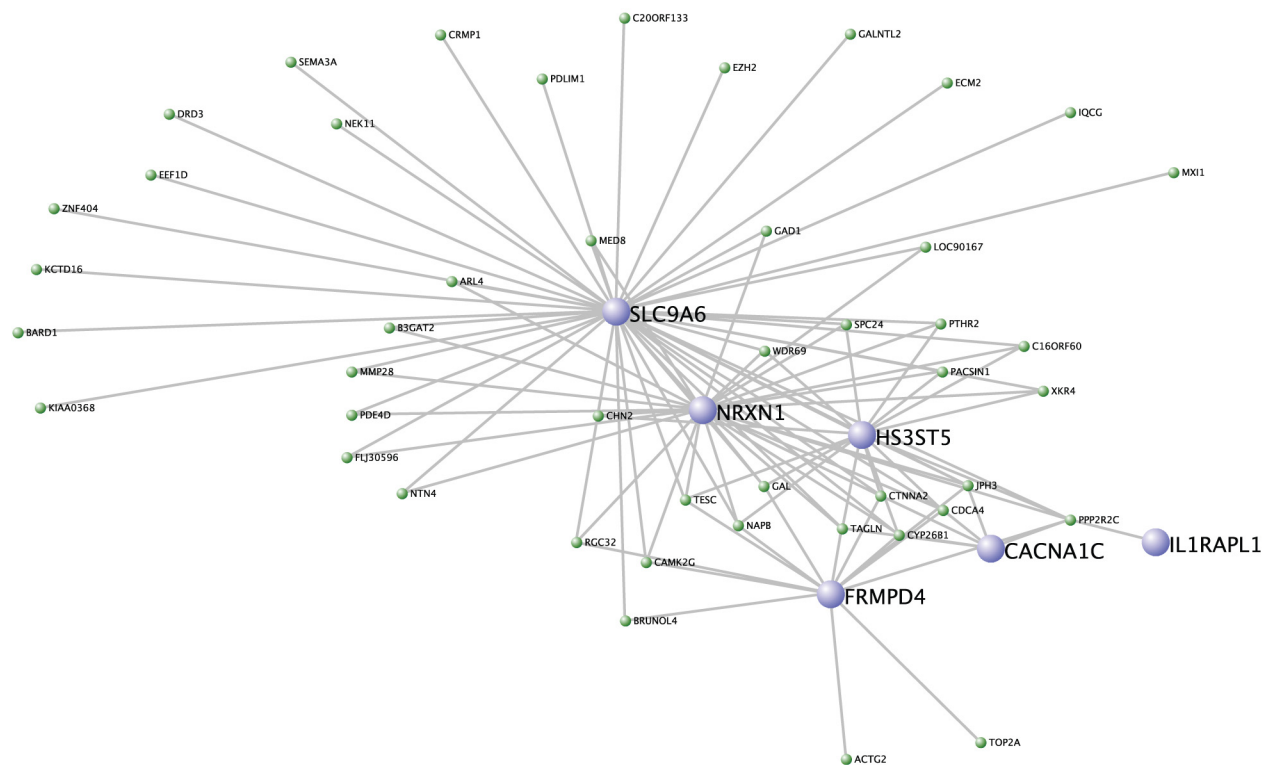
A



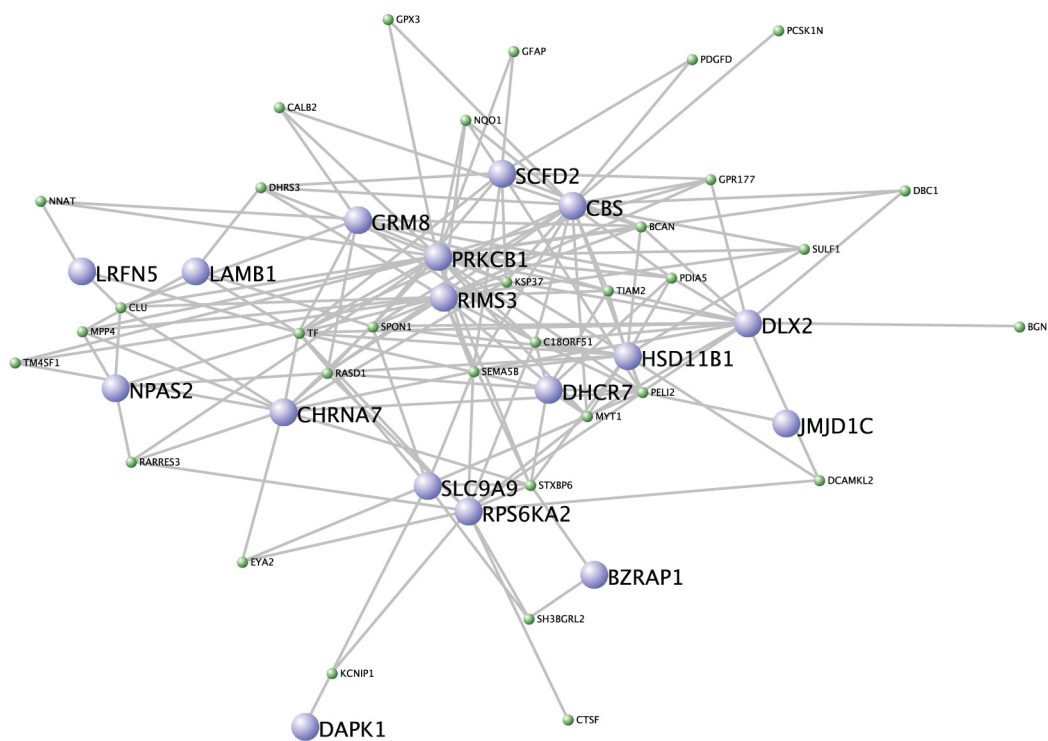
B



A



B



Supplemental Table 1				
Cell line characteristics				
Cell Line	Age (GW)	Sex	Race	Use
1	17	Female	African American	Microarrays; qRT-PCR; genotyping
2	19	Male	Asian	ICC; genotyping
3	17-19	N/A	N/A	ICC
4	17	Male	African American	Growth curves; genotyping
4.1	17	Male	African American	Genotyping
5	17	Female	Mixed/unknown	Genotyping
GW=gestational week; ICC=immunocytochemistry				
Cell lines 4 and 4.1 are the same line at different passages				

Supplementary Table 2

Supplementary Table 2

Genes differentially expressed after four weeks of differentiation

ProbeName	GeneName	Accession	Fold		D4 Normalized	T0 Normalized	pValue	pValueFDR
			Change	LogRatio	Values	Values		
ILMN_1768425	TF	NM_001063.2	62.25	5.96	14.87	8.91	3.51E-23	4.42E-19
ILMN_1748840	CALB2	NM_001740.2	66.26	6.05	15.47	9.42	3.62E-23	4.42E-19
ILMN_1726666	GPX3	NM_002084.2	66.26	6.05	15.11	9.06	5.41E-23	4.42E-19
ILMN_1761945	KSP37	NM_031950.2	98.36	6.62	14.51	7.89	9.15E-23	5.61E-19
ILMN_1752478	DHRS3	NM_004753.4	138.14	7.11	14.95	7.84	1.18E-22	5.79E-19
ILMN_2172969	STXBP6	NM_014178.6	48.17	5.59	12.84	7.25	5.07E-22	2.07E-18
ILMN_1732154	BCAN	NM_021948.3	18.77	4.23	14.7	10.47	1.36E-21	4.76E-18
ILMN_1793006	TAC3	NM_001006667.1	39.95	5.32	14.22	8.89	5.51E-21	1.65E-17
ILMN_1689088	COLEC12	NM_130386.1	66.26	6.05	13.32	7.27	6.06E-21	1.65E-17
ILMN_1751092	AMBN	NM_016519.4	11.96	3.58	12.64	9.06	2.88E-20	7.06E-17
ILMN_1788874	SERPINA3	NM_001085.4	53.82	5.75	14.24	8.49	6.94E-20	1.55E-16
ILMN_1789648	SCGN	NM_006998.3	30.48	4.93	14.91	9.99	8.18E-20	1.67E-16
ILMN_1740466	FAM46A	NM_017633.1	11.08	3.47	13.24	9.77	1.51E-19	2.65E-16
ILMN_1781256	LEFTY2	NM_003240.2	17.03	4.09	11.64	7.55	2.03E-19	3.03E-16
ILMN_1701613	RARRES3	NM_004585.2	15.14	3.92	15.07	11.15	2.1E-19	3.03E-16
ILMN_1791890	SPON1	NM_006108.1	16.22	4.02	14.28	10.26	3.06E-19	4.17E-16
ILMN_1760412	TMEM46	NM_001007538.1	63.12	5.98	13.27	7.3	5.06E-19	5.91E-16
ILMN_1656837	RBP1	NM_002899.2	10.63	3.41	15.52	12.11	6.37E-19	7.1E-16
ILMN_1772627	D4S234E	NM_014392.2	11.16	3.48	13.94	10.45	7.08E-19	7.55E-16
ILMN_1653762	VMP	NM_080723.2	22.63	4.5	13.38	8.87	8.33E-19	8.32E-16
ILMN_1687213	C8ORF13	NM_053279.1	34.78	5.12	12.88	7.76	8.48E-19	8.32E-16
ILMN_1740426	RASD1	NM_016084.3	8.57	3.1	13.4	10.31	1.05E-18	9.74E-16
ILMN_2322996	EYA2	NM_172112.1	18.00	4.17	13.86	9.69	1.39E-18	1.14E-15
ILMN_1712708	TRIM47	NM_033452.2	6.50	2.7	12.69	9.99	2.52E-18	1.93E-15
ILMN_1719986	MGC17330	NM_052880.3	7.84	2.97	13.14	10.17	3.53E-18	2.53E-15
ILMN_1789166	SHD	NM_020209.2	13.09	3.71	12.78	9.07	3.62E-18	2.53E-15
ILMN_1762764	SH3BGRL2	NM_031469.1	8.34	3.06	11.33	8.27	4.3E-18	2.81E-15
ILMN_2206746	BGN	NM_001711.3	19.84	4.31	12.89	8.58	4.35E-18	2.81E-15
ILMN_1685714	INHBB	NM_002193.1	7.31	2.87	11.08	8.21	4.54E-18	2.85E-15
ILMN_1767365	PAK1	NM_002576.3	5.82	2.54	12.32	9.78	4.92E-18	3.02E-15
ILMN_1798298	CLU	NM_203339.1	7.26	2.86	12.01	9.15	5.3E-18	3.09E-15
ILMN_1721540	LOC284434	NM_001007525.1	12.64	3.66	10.83	7.17	7.3E-18	4.16E-15
ILMN_1763412	SKIP	NM_030623.1	8.57	3.1	11.08	7.98	8.02E-18	4.47E-15
ILMN_1691790	DACT2	NM_214462.1	16.56	4.05	11.76	7.71	9.61E-18	5.22E-15
ILMN_2065254	ELAVL4	NM_021952.2	9.45	3.24	11.59	8.35	9.88E-18	5.22E-15
ILMN_1669362	IGFBP6	NM_002178.2	12.47	3.64	12.6	8.96	1.1E-17	5.51E-15
ILMN_1702363	SULF1	NM_015170.1	19.84	4.31	11.69	7.39	1.16E-17	5.68E-15

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ILMN_2131861	SOCS2	NM_003877.3	5.28	2.4	13.74	11.34	1.61E-17	7.2E-15
ILMN_1651490	CYP26A1	NM_000783.2	13.55	3.76	11.47	7.7	1.62E-17	7.2E-15
ILMN_1813295	LMO3	NM_018640.3	8.46	3.08	11.64	8.56	1.64E-17	7.2E-15
ILMN_1794370	SEMA5B	NM_001031702.1	13.93	3.8	12.32	8.52	1.8E-17	7.73E-15
ILMN_1716803	LOC138046	NM_173848.3	8.46	3.08	10.83	7.75	1.9E-17	8.04E-15
ILMN_1664464	PTGDS	NM_000954.5	11.16	3.48	12.59	9.11	1.94E-17	8.05E-15
ILMN_2342271	BCL11A	NM_138553.1	6.50	2.7	11.28	8.59	2.04E-17	8.34E-15
ILMN_2389501	HSD11B1	NM_181755.1	8.82	3.14	10.57	7.44	2.17E-17	8.72E-15
ILMN_1740938	APOE	NM_000041.2	7.26	2.86	15.35	12.48	2.53E-17	1E-14
ILMN_2075067	DIO3	NM_001362.2	17.75	4.15	11.87	7.71	3.15E-17	1.23E-14
ILMN_2304495	PPP1R1B	NM_181505.1	14.32	3.84	12.59	8.75	4.05E-17	1.53E-14
ILMN_1678710	PHYHIP1	NM_032439.1	5.98	2.58	13.48	10.9	4.92E-17	1.82E-14
ILMN_1672605	ELLS1	NM_152793.1	4.89	2.29	14.21	11.92	5.51E-17	1.93E-14
ILMN_1777397	MSX1	NM_002448.1	11.00	3.46	10.97	7.52	5.62E-17	1.93E-14
ILMN_1721167	MYT1	NM_004535.2	9.19	3.2	12.53	9.33	5.64E-17	1.93E-14
ILMN_2358560	TIAM2	NM_001010927.2	5.62	2.49	14.27	11.78	5.73E-17	1.93E-14
ILMN_1670718	C18ORF51	XM_058931.9	4.50	2.17	13.26	11.09	6.27E-17	2.08E-14
ILMN_1780132	PELI2	NM_021255.1	5.94	2.57	12.33	9.76	6.56E-17	2.14E-14
ILMN_2407314	CYP26A1	NM_057157.1	16.80	4.07	11.29	7.21	6.73E-17	2.17E-14
ILMN_1656576	ATCAY	NM_033064.2	4.99	2.32	11.2	8.88	6.97E-17	2.22E-14
ILMN_1717046	MOBK12B	NM_024761.3	6.54	2.71	12.98	10.27	7.62E-17	2.37E-14
ILMN_1719449	DCAMK12	NM_152619.1	7.67	2.94	13.61	10.66	7.84E-17	2.4E-14
ILMN_2307903	VCAM1	NM_001078.2	9.38	3.23	12.13	8.9	9.31E-17	2.78E-14
ILMN_1775743	BTG1	NM_001731.1	4.03	2.01	14.69	12.68	1.12E-16	3.28E-14
ILMN_1734695	MAP4	NM_030885.2	6.82	2.77	11.32	8.56	1.13E-16	3.28E-14
ILMN_1717565	LOC497190	NM_001011880.1	6.41	2.68	11.14	8.46	1.14E-16	3.28E-14
ILMN_1695763	PDIA5	NM_006810.1	4.89	2.29	13	10.71	1.18E-16	3.33E-14
ILMN_1673704	INA	NM_032727.2	4.92	2.3	13.56	11.25	1.2E-16	3.35E-14
ILMN_2371458	CXCR7	NM_001047841.1	7.06	2.82	10.31	7.5	1.34E-16	3.61E-14
ILMN_1691413	NNAT	NM_005386.2	6.87	2.78	14.87	12.09	1.41E-16	3.75E-14
ILMN_2131447	LRRC3B	NM_052953.2	5.21	2.38	13.36	10.98	1.45E-16	3.82E-14
ILMN_1666222	PHACTR3	NM_080672.3	6.41	2.68	10.49	7.81	1.69E-16	4.27E-14
ILMN_1778523	KLF9	NM_001206.2	5.31	2.41	12.14	9.72	1.75E-16	4.38E-14
ILMN_1738684	NRXN2	NM_015080.2	4.63	2.21	13.02	10.81	2.05E-16	5.07E-14
ILMN_1781626	C1S	NM_001734.2	5.98	2.58	11.6	9.02	2.21E-16	5.38E-14
ILMN_1666444	LOC648293	XM_944019.1	4.79	2.26	11.27	9.01	2.31E-16	5.55E-14
ILMN_1798360	CMKOR1	NM_020311.1	7.52	2.91	11.13	8.22	2.78E-16	6.49E-14
ILMN_1728803	HMP19	NM_015980.3	5.43	2.44	11.42	8.98	3.35E-16	7.6E-14
ILMN_1679984	ZCCHC12	NM_173798.2	3.46	1.79	11.46	9.67	3.51E-16	7.89E-14
ILMN_1727815	CFI	NM_000204.1	5.74	2.52	13.12	10.59	3.65E-16	8.11E-14
ILMN_1782944	GPR37L1	NM_004767.2	11.79	3.56	12.45	8.88	3.67E-16	8.11E-14
ILMN_1757338	PLSCR4	NM_020353.1	6.68	2.74	12.27	9.53	3.74E-16	8.18E-14
ILMN_2310814	MAPT	NM_016841.2	4.86	2.28	14.43	12.15	3.85E-16	8.35E-14

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ILMN_2413833	TNRC9	NM_001080430.1	8.17	3.03	12.56	9.53	3.88E-16	8.35E-14
ILMN_1717639	SNF1LK	NM_173354.2	4.26	2.09	10.65	8.56	3.96E-16	8.45E-14
ILMN_1678618	ELAVL3	NM_001420.3	4.50	2.17	13.2	11.04	4.36E-16	9.13E-14
ILMN_1776936	ANKRD38	NM_181712.2	6.68	2.74	11.09	8.35	4.72E-16	9.8E-14
ILMN_1656300	GFRA2	NM_001495.4	14.03	3.81	13.47	9.66	5.46E-16	1.13E-13
ILMN_2361603	NDRG2	NM_201539.1	5.86	2.55	12.81	10.27	5.65E-16	1.15E-13
ILMN_1756715	RPIP8	NM_006695.3	6.96	2.8	12	9.21	5.9E-16	1.2E-13
ILMN_1688184	CSPG5	NM_006574.2	5.98	2.58	13.94	11.36	5.95E-16	1.2E-13
ILMN_2346339	FOLR1	NM_016724.1	7.31	2.87	11.39	8.52	6.16E-16	1.23E-13
ILMN_1782050	CEBPD	NM_005195.2	5.24	2.39	13.42	11.03	6.48E-16	1.28E-13
ILMN_1701933	SNCA	NM_007308.1	4.29	2.1	12.44	10.35	6.8E-16	1.33E-13
ILMN_2197946	SCG3	NM_013243.2	5.43	2.44	12.81	10.37	7.12E-16	1.38E-13
ILMN_1700547	CHST9	NM_031422.1	7.89	2.98	10.93	7.95	7.17E-16	1.38E-13
ILMN_2165354	DCAMKL1	NM_004734.2	3.84	1.94	14.68	12.75	7.21E-16	1.38E-13
ILMN_2326273	CHI3L2	NM_004000.2	10.70	3.42	10.96	7.54	7.31E-16	1.39E-13
ILMN_1657451	SRPK2	NM_182691.1	3.51	1.81	12.39	10.59	7.4E-16	1.4E-13
ILMN_1667295	SLITL2	NM_138440.1	3.84	1.94	13.56	11.63	7.71E-16	1.43E-13
ILMN_1797668	INSM1	NM_002196.2	3.86	1.95	14.36	12.41	7.83E-16	1.44E-13
ILMN_1747499	EMID1	NM_133455.2	6.87	2.78	10.33	7.54	9.08E-16	1.66E-13
ILMN_1748281	MAPK10	NM_138980.1	3.92	1.97	12.74	10.77	9.64E-16	1.74E-13
ILMN_2230025	PDLIM3	NM_014476.1	4.59	2.2	12.95	10.75	9.79E-16	1.75E-13
ILMN_1758673	SLC44A1	NM_022109.2	4.53	2.18	13.56	11.38	1.07E-15	1.9E-13
ILMN_1700248	LOC349136	NM_198285.1	5.46	2.45	12.44	9.99	1.13E-15	1.97E-13
ILMN_1779448	EFHD1	NM_025202.2	5.28	2.4	12.44	10.04	1.13E-15	1.97E-13
ILMN_2094856	RANBP3L	NM_145000.2	7.16	2.84	10.07	7.23	1.15E-15	1.98E-13
ILMN_2380237	C1QTNF1	NM_198594.1	10.78	3.43	13.6	10.17	1.17E-15	2.01E-13
ILMN_2237252	LY6H	NM_002347.2	7.52	2.91	13.37	10.46	1.19E-15	2.02E-13
ILMN_1659800	BCL11A	NM_138559.1	6.06	2.6	10.28	7.68	1.19E-15	2.02E-13
ILMN_2173500	C18ORF51	NM_001044369.1	4.17	2.06	12.73	10.67	1.21E-15	2.04E-13
ILMN_1713124	AKR1C3	NM_003739.4	5.74	2.52	10.08	7.56	1.39E-15	2.29E-13
ILMN_2246131	BCAN	NM_198427.1	6.15	2.62	11.41	8.78	1.57E-15	2.57E-13
ILMN_1741603	DBC1	NM_014618.1	3.76	1.91	13.91	12	1.73E-15	2.77E-13
ILMN_1791280	HSPB8	NM_014365.2	13.36	3.74	11.3	7.56	1.9E-15	3E-13
ILMN_1674009	TKTL1	NM_012253.2	11.88	3.57	11.99	8.42	1.94E-15	3.05E-13
ILMN_1776602	RNASE4	NM_002937.3	5.98	2.58	11.27	8.69	2.01E-15	3.14E-13
ILMN_1755582	PCSK1N	NM_013271.2	4.00	2	13.8	11.8	2.26E-15	3.49E-13
ILMN_2361096	DCX	NM_178151.1	3.61	1.85	14.02	12.17	2.29E-15	3.49E-13
ILMN_2126038	STMN2	NM_007029.2	6.77	2.76	13.08	10.32	2.49E-15	3.7E-13
ILMN_2330382	PAQR6	NM_198406.1	4.26	2.09	11.71	9.63	2.51E-15	3.71E-13
ILMN_1697512	SLC32A1	NM_080552.2	3.32	1.73	12.88	11.15	2.69E-15	3.93E-13
ILMN_1731237	CLSTN2	NM_022131.1	13.09	3.71	12.49	8.78	2.76E-15	3.99E-13
ILMN_2358540	RBMS1	NM_002897.3	4.29	2.1	10.45	8.34	2.81E-15	4.02E-13
ILMN_1739235	OMG	NM_002544.3	10.34	3.37	12.11	8.74	2.84E-15	4.06E-13

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ILMN_1734929	BBOX1	NM_003986.1	3.68	1.88	13.08	11.21	3E-15	4.21E-13
ILMN_1674135	RALGPS1	NM_014636.1	3.94	1.98	11.9	9.92	3.03E-15	4.22E-13
ILMN_2406184	TAC3	NM_013251.2	10.20	3.35	11.87	8.52	3.13E-15	4.34E-13
ILMN_1662963	PSD2	NM_032289.1	6.41	2.68	11.12	8.44	3.17E-15	4.36E-13
ILMN_1767068	SMAD6	NM_005585.2	10.34	3.37	11.01	7.64	3.38E-15	4.6E-13
ILMN_1701783	DCT	NM_001922.2	9.19	3.2	10.86	7.66	3.44E-15	4.63E-13
ILMN_1730818	C19ORF30	NM_174947.2	9.85	3.3	11.18	7.88	3.77E-15	5.01E-13
ILMN_1810550	BAIAP3	NM_003933.3	6.36	2.67	9.91	7.25	3.78E-15	5.01E-13
ILMN_2407434	DCAMKL2	NM_001040260.1	7.78	2.96	13.24	10.28	3.98E-15	5.25E-13
ILMN_1651498	GADD45G	NM_006705.2	6.59	2.72	11.56	8.84	4.5E-15	5.88E-13
ILMN_1661733	FOLR1	NM_016724.1	7.06	2.82	11.17	8.35	4.75E-15	6.17E-13
ILMN_1730546	GNAO1	NM_020988.1	4.41	2.14	11.46	9.32	5.02E-15	6.45E-13
ILMN_1784749	GAS6	XM_942084.1	3.73	1.9	11.71	9.81	5.1E-15	6.51E-13
ILMN_1655796	3-MAR	XM_938009.1	4.44	2.15	11.99	9.84	5.19E-15	6.59E-13
ILMN_1658498	SLC44A3	NM_152369.2	5.82	2.54	11.56	9.03	5.36E-15	6.78E-13
ILMN_1665761	BCL11B	NM_022898.1	7.52	2.91	10.82	7.91	5.52E-15	6.88E-13
ILMN_1659953	3-SEP	NM_019106.4	3.34	1.74	13.83	12.09	5.92E-15	7.3E-13
ILMN_1758461	ST8SIA2	NM_006011.3	4.32	2.11	12.2	10.09	5.93E-15	7.3E-13
ILMN_2376953	KCNK2	NM_001017425.2	6.41	2.68	10.74	8.06	6.06E-15	7.43E-13
ILMN_1693912	FLJ31196	NM_152908.2	6.11	2.61	11.55	8.94	6.8E-15	8.17E-13
ILMN_1660501	LY6H	XM_937329.1	7.78	2.96	13.28	10.32	7.96E-15	9.39E-13
ILMN_1657855	ACTL6B	NM_016188.3	7.11	2.83	11.12	8.29	8.37E-15	9.69E-13
ILMN_1691884	STC2	NM_003714.2	6.06	2.6	10.95	8.35	8.49E-15	9.74E-13
ILMN_1800317	WNT5A	NM_003392.3	7.84	2.97	10.53	7.55	8.81E-15	1.01E-12
ILMN_1732410	SLC16A9	NM_194298.1	4.35	2.12	13.58	11.46	1.02E-14	1.14E-12
ILMN_1700183	AGTRL1	NM_005161.2	4.63	2.21	9.69	7.48	1.04E-14	1.15E-12
ILMN_1655261	C12ORF46	NM_152321.1	5.10	2.35	9.61	7.26	1.05E-14	1.16E-12
ILMN_1807969	SNCAIP	NM_005460.2	3.12	1.64	13	11.36	1.08E-14	1.19E-12
ILMN_1803094	PDGFD	NM_025208.3	5.62	2.49	11.95	9.46	1.08E-14	1.19E-12
ILMN_1671151	RARB	NM_000965.2	6.82	2.77	10.03	7.26	1.1E-14	1.21E-12
ILMN_1727360	MAOB	NM_000898.3	7.89	2.98	11.3	8.33	1.17E-14	1.26E-12
ILMN_1737631	PAQR6	NM_024897.2	4.44	2.15	12.23	10.08	1.19E-14	1.27E-12
ILMN_2081087	HSPA12A	NM_025015.2	3.29	1.72	13.22	11.49	1.24E-14	1.3E-12
ILMN_2132982	IGFBP5	NM_000599.2	4.69	2.23	13.05	10.82	1.24E-14	1.3E-12
ILMN_2407389	GNPMB	NM_002510.2	3.92	1.97	10.44	8.47	1.26E-14	1.32E-12
ILMN_1680624	CREG1	NM_003851.2	3.20	1.68	12.17	10.49	1.34E-14	1.39E-12
ILMN_1766054	ABCA1	NM_005502.2	3.78	1.92	14.99	13.07	1.34E-14	1.39E-12
ILMN_1804955	CTSF	NM_003793.2	3.12	1.64	12.46	10.83	1.36E-14	1.41E-12
ILMN_2283325	GPR177	NM_024911.4	2.97	1.57	14.81	13.24	1.37E-14	1.41E-12
ILMN_1684758	ETFB	NM_001014763.1	4.82	2.27	9.74	7.47	1.43E-14	1.46E-12
ILMN_1699644	3-MAR	NM_178450.2	3.97	1.99	11.89	9.9	1.43E-14	1.46E-12
ILMN_1677198	C1R	NM_001733.4	3.68	1.88	11.88	9.99	1.48E-14	1.5E-12
ILMN_1814917	TLE2	NM_003260.3	4.47	2.16	11.54	9.38	1.56E-14	1.57E-12

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ILMN_2347592	NMB	NM_021077.3	5.78	2.53	13.68	11.15	1.59E-14	1.58E-12
ILMN_1812841	C8ORF34	NM_052958.1	4.14	2.05	10.53	8.47	1.59E-14	1.58E-12
ILMN_1800225	PPARG	NM_138712.3	4.32	2.11	10.42	8.32	1.86E-14	1.84E-12
ILMN_2195821	LOC153222	NM_153607.1	3.86	1.95	11.27	9.32	1.86E-14	1.84E-12
ILMN_1810191	PLA2G4C	NM_003706.1	3.56	1.83	10.98	9.15	1.94E-14	1.9E-12
ILMN_1701643	GDPD5	NM_030792.4	4.89	2.29	12.11	9.82	1.98E-14	1.92E-12
ILMN_1697448	TXNIP	NM_006472.1	4.06	2.02	13.46	11.44	2.05E-14	1.99E-12
ILMN_2316878	PTPRO	NM_030671.1	6.63	2.73	11.47	8.74	2.06E-14	1.99E-12
ILMN_1765966	CHGB	NM_001819.1	5.46	2.45	11.87	9.42	2.09E-14	2.01E-12
ILMN_1668072	PGAM2	NM_000290.2	4.76	2.25	9.97	7.72	2.13E-14	2.03E-12
ILMN_1778575	WNT7A	NM_004625.3	3.66	1.87	9.54	7.67	2.13E-14	2.03E-12
ILMN_1755221	LMAN2L	NM_030805.1	2.85	1.51	13.52	12.01	2.22E-14	2.1E-12
ILMN_1701827	IGSF4B	NM_021189.2	8.28	3.05	11.24	8.19	2.28E-14	2.12E-12
ILMN_1718949	SLC39A12	NM_152725.1	3.68	1.88	10.58	8.7	2.42E-14	2.24E-12
ILMN_2233783	CD38	NM_001775.2	6.45	2.69	10.33	7.64	2.46E-14	2.27E-12
ILMN_1801703	CPLX1	NM_006651.3	6.54	2.71	10.5	7.79	2.56E-14	2.34E-12
ILMN_1800381	GNAO1	NM_138736.1	3.63	1.86	10.85	8.99	2.62E-14	2.39E-12
ILMN_1752299	RAB6B	NM_016577.2	3.12	1.64	13.05	11.41	2.68E-14	2.44E-12
ILMN_1750373	KAL1	NM_000216.1	6.68	2.74	12.02	9.28	2.73E-14	2.47E-12
ILMN_2255133	BCL11A	NM_022893.2	6.32	2.66	11.6	8.94	2.76E-14	2.48E-12
ILMN_1740555	SNAP25	NM_003081.2	3.27	1.71	12.31	10.6	2.91E-14	2.59E-12
ILMN_1667711	HRASLS3	NM_007069.1	3.10	1.63	14.34	12.71	2.94E-14	2.61E-12
ILMN_1695945	MEIS2	NM_020149.2	2.85	1.51	14.4	12.89	2.97E-14	2.62E-12
ILMN_1747271	ATP1B2	NM_001678.3	3.53	1.82	13.44	11.62	3.16E-14	2.75E-12
ILMN_1679051	PTPRR	NM_002849.2	4.35	2.12	9.57	7.45	3.48E-14	3.01E-12
ILMN_1733860	SYNPR	NM_144642.3	9.92	3.31	12.61	9.3	3.53E-14	3.01E-12
ILMN_2376859	PDGFD	NM_025208.4	6.15	2.62	11.71	9.09	3.54E-14	3.01E-12
ILMN_2408572	RNASE4	NM_194430.1	4.99	2.32	10.52	8.2	3.58E-14	3.04E-12
ILMN_2060413	CD24	NM_013230.2	2.68	1.42	15.45	14.03	3.62E-14	3.05E-12
ILMN_1760727	ANG	NM_001145.2	4.44	2.15	10.85	8.7	3.66E-14	3.08E-12
ILMN_1682326	PCP4	NM_006198.2	5.24	2.39	12.25	9.86	3.83E-14	3.19E-12
ILMN_2376403	TSC2D3	NM_004089.3	3.27	1.71	11.15	9.44	3.88E-14	3.23E-12
ILMN_1753241	SNTA1	NM_003098.2	3.76	1.91	11.48	9.57	3.9E-14	3.23E-12
ILMN_2413779	SEZ6L2	NM_201575.1	3.05	1.61	11.64	10.03	3.91E-14	3.23E-12
ILMN_1794190	CCPG1	NM_004748.3	3.71	1.89	12.79	10.9	4E-14	3.29E-12
ILMN_1714523	HEPH	NM_138737.1	4.82	2.27	9.47	7.21	4.03E-14	3.3E-12
ILMN_1724162	ARX	NM_139058.1	4.03	2.01	12.02	10.01	4.65E-14	3.72E-12
ILMN_1728742	C5ORF4	NM_016348.1	5.58	2.48	11.16	8.68	4.69E-14	3.75E-12
ILMN_1681234	TNRC4	NM_007185.3	7.41	2.89	11.96	9.07	5.16E-14	4.07E-12
ILMN_1726549	GDPD2	NM_017711.2	4.00	2	10.82	8.83	5.27E-14	4.13E-12
ILMN_1779558	GAS6	NM_000820.1	3.63	1.86	11.69	9.83	5.42E-14	4.22E-12
ILMN_2182148	C2ORF32	NM_015463.1	3.32	1.73	11.9	10.17	5.66E-14	4.38E-12
ILMN_1661940	CAMTA1	NM_015215.1	3.20	1.68	11.85	10.18	5.72E-14	4.41E-12

Supplementary Table 2

ILMN_2359710	PTP4A3	NM_007079.2	3.71	1.89	11.62	9.73	6.12E-14	4.63E-12
ILMN_2389506	HSD11B1	NM_181755.1	5.66	2.5	10.13	7.63	6.2E-14	4.65E-12
ILMN_1671891	FLJ20701	NM_017933.3	3.58	1.84	11.7	9.86	6.36E-14	4.75E-12
ILMN_1741219	RRAGB	NM_006064.3	2.81	1.49	12.59	11.11	6.39E-14	4.76E-12
ILMN_1800787	RAFTLIN	NM_015150.1	2.57	1.36	14.49	13.13	6.55E-14	4.85E-12
ILMN_1672124	C4ORF18	NM_016613.4	3.84	1.94	11.31	9.38	6.66E-14	4.92E-12
ILMN_1663080	LFNG	NM_002304.1	3.29	1.72	12.87	11.14	6.74E-14	4.95E-12
ILMN_1746013	SPOCK	NM_004598.2	2.99	1.58	12.53	10.95	7.17E-14	5.18E-12
ILMN_1697433	CYP46A1	NM_006668.1	5.13	2.36	11.35	8.98	7.31E-14	5.24E-12
ILMN_1812297	CYP26B1	NM_019885.2	4.79	2.26	10.36	8.11	7.59E-14	5.41E-12
ILMN_1764709	MAFB	NM_005461.3	3.23	1.69	11.14	9.45	7.66E-14	5.45E-12
ILMN_1720496	GUCY1A2	NM_000855.1	4.00	2	9.69	7.69	8E-14	5.64E-12
ILMN_1682463	LOC283174	NM_001001873.2	3.51	1.81	10.48	8.67	8.05E-14	5.65E-12
ILMN_1699631	GATS	NM_178831.4	3.10	1.63	12.64	11.01	8.29E-14	5.79E-12
ILMN_2367384	EPHB2	NM_004442.6	3.58	1.84	11.23	9.39	8.39E-14	5.85E-12
ILMN_1812795	RUNX1T1	NM_175636.1	5.24	2.39	10.96	8.58	8.89E-14	6.18E-12
ILMN_1813530	AGT	NM_000029.2	3.66	1.87	11.55	9.67	9.17E-14	6.35E-12
ILMN_1772446	C12ORF34	NM_032829.1	3.16	1.66	11.04	9.37	1.04E-13	7.12E-12
ILMN_1770938	PAK7	NM_020341.2	5.35	2.42	10.71	8.29	1.08E-13	7.33E-12
ILMN_1744487	C1QTNF5	NM_015645.2	2.91	1.54	12.11	10.57	1.1E-13	7.43E-12
ILMN_1756541	MXD4	NM_006454.2	2.79	1.48	14.52	13.04	1.15E-13	7.71E-12
ILMN_1805395	LTBP3	NM_021070.2	6.15	2.62	12.75	10.14	1.17E-13	7.78E-12
ILMN_1787981	MFAP2	NM_017459.1	5.74	2.52	10.31	7.78	1.17E-13	7.81E-12
ILMN_1654946	ZNF447	NM_023926.3	2.79	1.48	14.36	12.88	1.21E-13	8.02E-12
ILMN_1728298	SBK1	NM_001024401.2	3.03	1.6	14.02	12.42	1.24E-13	8.16E-12
ILMN_1813639	C20ORF58	NM_152864.2	7.06	2.82	11.37	8.55	1.26E-13	8.23E-12
ILMN_1815745	SOX4	NM_003107.2	3.81	1.93	13.71	11.78	1.3E-13	8.5E-12
ILMN_2323508	C9ORF58	NM_001002260.1	3.01	1.59	12.68	11.09	1.32E-13	8.58E-12
ILMN_1760246	BSN	NM_003458.1	3.78	1.92	11.34	9.41	1.34E-13	8.69E-12
ILMN_1785892	MASP1	NM_001031849.1	5.28	2.4	10.41	8.01	1.41E-13	9.09E-12
ILMN_2148469	RASL11B	NM_023940.2	4.38	2.13	10.94	8.81	1.41E-13	9.1E-12
ILMN_1801441	C2ORF11	NM_144629.1	2.97	1.57	13.42	11.85	1.52E-13	9.67E-12
ILMN_1770725	C9ORF58	NM_031426.2	2.68	1.42	13.09	11.67	1.62E-13	1.02E-11
ILMN_2227757	PCDHB2	NM_018936.2	2.35	1.23	12.46	11.23	1.63E-13	1.03E-11
ILMN_1714397	CRYL1	NM_015974.1	2.73	1.45	11.78	10.33	1.63E-13	1.03E-11
ILMN_1795338	YPEL1	NM_013313.3	3.16	1.66	11.8	10.14	1.79E-13	1.12E-11
ILMN_1733648	SNAP91	NM_014841.1	5.13	2.36	11.19	8.82	1.81E-13	1.13E-11
ILMN_1714444	KLF12	NM_007249.3	3.34	1.74	11.6	9.86	1.89E-13	1.17E-11
ILMN_1812946	GPR88	NM_022049.1	5.24	2.39	10.28	7.89	2.02E-13	1.24E-11
ILMN_1795762	PLEK	NM_002664.1	7.06	2.82	10.43	7.61	2.05E-13	1.26E-11
ILMN_1702899	PLEKHA7	NM_175058.3	3.20	1.68	10.71	9.03	2.06E-13	1.26E-11
ILMN_1733627	NEDD4L	NM_015277.2	4.44	2.15	13.63	11.48	2.45E-13	1.47E-11
ILMN_1659950	APC2	NM_005883.2	4.89	2.29	11.54	9.25	2.47E-13	1.48E-11

Supplementary Table 2

ILMN_2224907	C4ORF34	NM_174921.1	2.71	1.44	12.91	11.47	2.53E-13	1.51E-11
ILMN_1730777	KRT19	NM_002276.3	3.32	1.73	9.09	7.36	2.58E-13	1.54E-11
ILMN_1768758	CACNG3	NM_006539.2	4.66	2.22	9.8	7.58	2.59E-13	1.54E-11
ILMN_1801205	GPNMB	NM_001005340.1	5.06	2.34	11.36	9.02	2.59E-13	1.54E-11
ILMN_1764780	SVOP	NM_018711.2	3.63	1.86	9.59	7.73	2.76E-13	1.62E-11
ILMN_1805104	ABAT	NM_020686.3	2.51	1.33	12.16	10.84	2.96E-13	1.72E-11
ILMN_1786278	DKFZP564J	NM_015398.1	3.66	1.87	11.14	9.27	2.99E-13	1.73E-11
ILMN_1803945	HCP5	NM_006674.2	4.20	2.07	10.93	8.85	3.01E-13	1.74E-11
ILMN_1745034	SLC11A2	NM_000617.1	2.71	1.44	13.4	11.97	3.03E-13	1.74E-11
ILMN_1765310	TCEAL2	NM_080390.3	2.64	1.4	11.56	10.16	3.1E-13	1.78E-11
ILMN_1697176	GFAP	NM_002055.2	2.62	1.39	15.47	14.08	3.18E-13	1.82E-11
ILMN_1685056	FLRT1	NM_013280.4	4.06	2.02	9.97	7.95	3.19E-13	1.83E-11
ILMN_2343097	NCALD	NM_001040626.1	2.68	1.42	11.73	10.31	3.28E-13	1.87E-11
ILMN_2400644	SRGAP3	NM_001033117.1	2.83	1.5	12.4	10.9	3.31E-13	1.88E-11
ILMN_1722290	PRG2	NM_024888.1	5.90	2.56	10.08	7.52	3.51E-13	1.99E-11
ILMN_1661599	DDIT4	NM_019058.2	2.64	1.4	13.37	11.97	3.59E-13	2.03E-11
ILMN_1809456	CNTFR	NM_147164.1	2.68	1.42	13.12	11.7	3.81E-13	2.15E-11
ILMN_2073289	MTSS1	NM_014751.2	2.99	1.58	13.59	12.01	3.95E-13	2.22E-11
ILMN_1657347	PODXL2	NM_015720.1	2.48	1.31	12.88	11.56	4E-13	2.24E-11
ILMN_1693401	BTBD5	NM_017658.2	3.61	1.85	11.89	10.04	4.02E-13	2.24E-11
ILMN_1693471	FLJ33790	NM_173583.1	5.66	2.5	11.63	9.13	4.07E-13	2.26E-11
ILMN_1707734	NNAT	NM_005386.2	3.84	1.94	11.31	9.36	4.07E-13	2.26E-11
ILMN_2340131	MAPK10	NM_138980.1	3.53	1.82	10.87	9.05	4.18E-13	2.31E-11
ILMN_2240866	MASP1	NM_001031849.1	7.36	2.88	10.95	8.07	4.26E-13	2.34E-11
ILMN_2397795	FLJ30046	NM_144595.2	2.51	1.33	13.29	11.96	4.34E-13	2.38E-11
ILMN_1766165	SNCA	NM_000345.2	3.68	1.88	10.45	8.57	4.38E-13	2.39E-11
ILMN_1759380	UNQ5810	NM_207384.1	4.53	2.18	9.86	7.68	4.42E-13	2.41E-11
ILMN_2189306	ROBO2	NM_002942.2	4.08	2.03	11.25	9.22	4.46E-13	2.43E-11
ILMN_1762139	CRB1	NM_201253.1	5.35	2.42	10.48	8.06	4.62E-13	2.5E-11
ILMN_1718182	THRA	NM_003250.4	3.23	1.69	11.33	9.64	4.7E-13	2.53E-11
ILMN_1719641	SMOC2	NM_022138.1	7.16	2.84	10.13	7.28	4.92E-13	2.64E-11
ILMN_2387865	KCNIP4	NM_001035004.1	3.23	1.69	13.13	11.45	4.97E-13	2.65E-11
ILMN_1791647	ASIP	NM_001672.2	5.10	2.35	9.72	7.36	5.04E-13	2.69E-11
ILMN_2361163	SSBP3	NM_018070.3	3.14	1.65	10.44	8.79	5.07E-13	2.7E-11
ILMN_1677603	C1S	NM_201442.1	3.71	1.89	9.57	7.68	5.22E-13	2.76E-11
ILMN_1723227	FGF3	NM_005247.2	4.41	2.14	9.83	7.69	5.28E-13	2.78E-11
ILMN_1742382	RIMS3	NM_014747.2	3.25	1.7	11.57	9.88	5.41E-13	2.84E-11
ILMN_1723684	DARC	NM_002036.2	4.56	2.19	10.61	8.41	5.5E-13	2.88E-11
ILMN_1671337	SLC2A5	NM_003039.1	5.90	2.56	9.79	7.24	5.51E-13	2.88E-11
ILMN_1660808	WFDC1	NM_021197.2	4.14	2.05	9.49	7.44	5.54E-13	2.88E-11
ILMN_1671365	PRODH	NM_016335.2	4.72	2.24	9.74	7.5	5.76E-13	2.99E-11
ILMN_1751569	C1ORF173	NM_001002912.2	5.35	2.42	10.07	7.65	5.83E-13	3.01E-11
ILMN_2363634	ADHFE1	NM_001077593.1	2.45	1.29	9.61	8.32	5.87E-13	3.02E-11

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ILMN_1657373	LEPREL1	NM_018192.2	2.28	1.19	12.3	11.11	5.94E-13	3.05E-11
ILMN_1723678	PRPH	NM_006262.3	4.00	2	12.62	10.62	6.16E-13	3.15E-11
ILMN_1814686	BCMO1	NM_017429.2	4.92	2.3	9.88	7.59	6.16E-13	3.15E-11
ILMN_1660114	MMRN1	NM_007351.2	5.39	2.43	9.76	7.33	6.28E-13	3.2E-11
ILMN_1671843	PSRC1	NM_001005290.2	2.33	1.22	14.79	13.57	6.37E-13	3.23E-11
ILMN_1772876	ZNF395	NM_018660.2	2.17	1.12	12.25	11.13	6.58E-13	3.34E-11
ILMN_1773082	CYP21A2	NM_000500.5	3.51	1.81	9.79	7.99	6.67E-13	3.38E-11
ILMN_1733831	PGBD5	NM_024554.2	3.84	1.94	10.78	8.84	6.69E-13	3.38E-11
ILMN_1751445	PPY	NM_002722.2	5.74	2.52	9.99	7.46	6.72E-13	3.39E-11
ILMN_1794074	MXI1	NM_001008541.1	2.85	1.51	10.26	8.76	6.88E-13	3.46E-11
ILMN_2401987	DLEC1	NM_007337.2	3.86	1.95	9.09	7.14	7.83E-13	3.9E-11
ILMN_2219767	MYCN	NM_005378.4	2.75	1.46	11.45	9.98	8.01E-13	3.98E-11
ILMN_1751656	KLF11	XM_938887.1	2.58	1.37	12.01	10.64	8.34E-13	4.13E-11
ILMN_1788786	GLRA2	NM_002063.2	3.56	1.83	10.85	9.02	8.51E-13	4.21E-11
ILMN_1726624	YPEL4	NM_145008.1	5.31	2.41	9.93	7.52	8.85E-13	4.32E-11
ILMN_1789112	FLJ90805	NM_173633.1	3.51	1.81	11.6	9.78	8.86E-13	4.32E-11
ILMN_1676289	NCAM1	NM_181351.1	2.62	1.39	12.76	11.37	8.9E-13	4.33E-11
ILMN_1684959	ASTN	NM_004319.1	3.01	1.59	12.02	10.42	9.12E-13	4.42E-11
ILMN_1691410	BAMBI	NM_012342.2	3.76	1.91	11.98	10.07	9.21E-13	4.46E-11
ILMN_2363065	RTN3	NM_201430.1	2.30	1.2	14.5	13.3	9.48E-13	4.57E-11
ILMN_1743445	FAM107A	NM_007177.1	2.62	1.39	14.3	12.9	9.77E-13	4.7E-11
ILMN_1730945	C19ORF4	NM_012109.1	3.12	1.64	13.3	11.65	1.02E-12	4.88E-11
ILMN_1682139	RAI14	NM_015577.1	2.50	1.32	13.27	11.96	1.03E-12	4.9E-11
ILMN_1781010	ARHGEF3	NM_019555.1	2.25	1.17	13.6	12.43	1.06E-12	5.03E-11
ILMN_1738816	FOXO1A	NM_002015.2	2.77	1.47	11.37	9.89	1.08E-12	5.08E-11
ILMN_1773389	PLTP	NM_006227.2	2.51	1.33	14.28	12.95	1.11E-12	5.18E-11
ILMN_1706859	LOC91689	NM_033318.3	3.14	1.65	11.69	10.05	1.12E-12	5.25E-11
ILMN_1814165	SSBP3	NM_145716.2	3.48	1.8	10.48	8.68	1.14E-12	5.33E-11
ILMN_2078995	FAM130A2	NM_024969.2	3.81	1.93	10.41	8.48	1.15E-12	5.35E-11
ILMN_2065690	GRAMD3	NM_023927.1	3.27	1.71	11.03	9.32	1.17E-12	5.41E-11
ILMN_2361737	TRIM36	NM_001017397.1	3.84	1.94	11.74	9.8	1.18E-12	5.45E-11
ILMN_1654541	ATP6V1G2	NM_130463.2	2.51	1.33	13.34	12.02	1.26E-12	5.76E-11
ILMN_1674580	TRIM36	NM_001017397.1	3.61	1.85	10.88	9.03	1.37E-12	6.19E-11
ILMN_1769779	PTP4A3	NM_007079.2	3.16	1.66	11.66	10	1.37E-12	6.19E-11
ILMN_1767662	LASS6	NM_203463.1	3.07	1.62	14.83	13.21	1.41E-12	6.35E-11
ILMN_1763834	APLP1	NM_005166.3	2.50	1.32	12.43	11.1	1.42E-12	6.35E-11
ILMN_1744897	KCNN3	NM_170782.1	4.63	2.21	10.79	8.58	1.47E-12	6.55E-11
ILMN_1692698	FLJ12505	NM_024749.2	3.58	1.84	10.33	8.49	1.51E-12	6.68E-11
ILMN_1696537	DDIT4L	NM_145244.2	4.23	2.08	9.74	7.66	1.52E-12	6.7E-11
ILMN_1745471	ISGF3G	NM_006084.3	2.22	1.15	13.53	12.38	1.53E-12	6.73E-11
ILMN_1695706	H3F3B	NM_005324.3	2.28	1.19	13.98	12.79	1.57E-12	6.91E-11
ILMN_1808956	C15ORF27	NM_152335.1	3.86	1.95	9.31	7.36	1.62E-12	7.1E-11
ILMN_1672094	DLX1	NM_178120.3	2.22	1.15	14.81	13.67	1.67E-12	7.31E-11

Supplementary Table 2

ILMN_1672382	SLC38A3	NM_006841.3	3.66	1.87	9.63	7.75	1.69E-12	7.37E-11
ILMN_1680652	SELENBP1	NM_003944.2	2.75	1.46	10.68	9.22	1.8E-12	7.81E-11
ILMN_2113102	PHKG1	NM_006213.3	3.07	1.62	9.62	8	1.8E-12	7.81E-11
ILMN_1788538	NCALD	NM_032041.1	2.62	1.39	12.69	11.3	1.82E-12	7.87E-11
ILMN_2218935	GPR37	NM_005302.2	2.50	1.32	10.93	9.61	1.87E-12	8.05E-11
ILMN_1656287	SPOCK2	NM_014767.1	2.39	1.26	13.56	12.3	1.88E-12	8.1E-11
ILMN_1783231	PLEKHB1	NM_021200.1	2.77	1.47	12.36	10.89	2E-12	8.58E-11
ILMN_1784630	KBTBD11	NM_014867.1	2.95	1.56	12.02	10.45	2.03E-12	8.64E-11
ILMN_1761322	FHOD3	NM_025135.2	3.16	1.66	11.95	10.28	2.07E-12	8.82E-11
ILMN_1795190	CLDN2	NM_020384.2	4.00	2	9.59	7.59	2.14E-12	9.04E-11
ILMN_1754078	CABP7	NM_182527.1	4.26	2.09	10.43	8.34	2.19E-12	9.21E-11
ILMN_2311278	ADD3	NM_001121.2	2.68	1.42	13.03	11.6	2.23E-12	9.33E-11
ILMN_2283597	FLJ20152	NM_001034850.1	2.62	1.39	12.41	11.02	2.24E-12	9.37E-11
ILMN_1692394	KIAA1024	NM_015206.1	4.92	2.3	10.81	8.51	2.27E-12	9.5E-11
ILMN_1723912	IFI44L	NM_006820.1	2.79	1.48	10.8	9.32	2.37E-12	9.82E-11
ILMN_1759598	DLX5	NM_005221.4	2.38	1.25	14.36	13.11	2.47E-12	1.02E-10
ILMN_2228463	DDC	NM_000790.2	3.58	1.84	10.25	8.41	2.53E-12	1.04E-10
ILMN_2181892	BEX2	NM_032621.2	2.85	1.51	13.34	11.83	2.66E-12	1.09E-10
ILMN_1792256	TBX2	NM_005994.3	4.32	2.11	11.2	9.1	2.66E-12	1.09E-10
ILMN_2347798	IFI6	NM_022872.2	3.41	1.77	12.19	10.42	2.7E-12	1.1E-10
ILMN_2197693	CTNNA2	NM_004389.2	3.78	1.92	9.51	7.59	2.78E-12	1.13E-10
ILMN_1702175	ST7	NM_018412.3	2.60	1.38	11.3	9.91	2.86E-12	1.15E-10
ILMN_1675612	BLCAP	NM_006698.2	2.36	1.24	12.45	11.21	2.89E-12	1.16E-10
ILMN_1752476	C6ORF134	NM_024909.1	2.27	1.18	12.72	11.53	2.99E-12	1.2E-10
ILMN_1738003	POU3F4	NM_000307.1	3.12	1.64	10.2	8.56	3.09E-12	1.24E-10
ILMN_1690035	FLYWCH1	NM_032296.2	4.23	2.08	10.47	8.4	3.11E-12	1.25E-10
ILMN_1669033	NCOA1	NM_147223.2	2.16	1.11	12.74	11.63	3.15E-12	1.26E-10
ILMN_1651838	RND1	NM_014470.2	3.12	1.64	9.79	8.15	3.15E-12	1.26E-10
ILMN_1695271	RPP25	NM_017793.1	2.93	1.55	10.31	8.76	3.25E-12	1.29E-10
ILMN_1707763	ST7	NM_018412.3	2.43	1.28	11.67	10.38	3.28E-12	1.3E-10
ILMN_1651826	BASP1	NM_006317.3	2.22	1.15	14.71	13.57	3.31E-12	1.31E-10
ILMN_1713561	C20ORF103	NM_012261.2	3.46	1.79	10.77	8.98	3.34E-12	1.32E-10
ILMN_1695829	TTYH2	NM_052869.1	3.56	1.83	11.04	9.21	3.38E-12	1.33E-10
ILMN_1660732	PPP2R2B	NM_181676.1	2.87	1.52	14.55	13.03	3.5E-12	1.38E-10
ILMN_1719883	CYP4F11	NM_021187.2	2.66	1.41	9.88	8.47	3.56E-12	1.39E-10
ILMN_1748831	PPP1R13B	NM_015316.1	2.81	1.49	10.86	9.37	3.58E-12	1.4E-10
ILMN_1778844	FAM5B	NM_021165.1	2.81	1.49	10.26	8.76	3.59E-12	1.4E-10
ILMN_1716957	C1QL1	NM_006688.3	3.18	1.67	11.8	10.14	3.72E-12	1.45E-10
ILMN_2390544	DKFZP564J1	NM_015398.1	2.62	1.39	10.42	9.03	3.74E-12	1.45E-10
ILMN_1723123	FGFR3	NM_000142.2	2.45	1.29	12.62	11.32	3.8E-12	1.47E-10
ILMN_1691846	G0S2	NM_015714.2	3.32	1.73	11.18	9.45	3.82E-12	1.48E-10
ILMN_2412336	AKR1C2	NM_001354.4	3.41	1.77	9.09	7.32	3.84E-12	1.48E-10
ILMN_1654563	EFNB1	NM_004429.3	2.89	1.53	11.57	10.04	3.9E-12	1.5E-10

Supplementary Table 2

ILMN_1803855	FAIM2	NM_012306.2	2.87	1.52	10.21	8.69	3.99E-12	1.53E-10
ILMN_2227266	TMEM35	NM_021637.1	2.71	1.44	11.85	10.41	4.05E-12	1.55E-10
ILMN_1791147	YPEL3	NM_031477.3	2.55	1.35	11.47	10.12	4.09E-12	1.56E-10
ILMN_1727183	ZNF440L	NM_001012753.1	3.14	1.65	10.06	8.4	4.1E-12	1.56E-10
ILMN_1791097	RSBN1	NM_018364.3	2.30	1.2	12.5	11.3	4.11E-12	1.57E-10
ILMN_1729234	TPP1	NM_000391.2	2.64	1.4	14.02	12.62	4.18E-12	1.59E-10
ILMN_1711748	PLTP	NM_006227.2	2.55	1.35	12.6	11.25	4.2E-12	1.59E-10
ILMN_2410938	SMOC1	NM_001034852.1	2.50	1.32	11.86	10.54	4.28E-12	1.62E-10
ILMN_1758315	SLC9A9	NM_173653.1	5.10	2.35	9.94	7.59	4.5E-12	1.69E-10
ILMN_1803256	STOX2	NM_020225.1	2.87	1.52	12.78	11.26	4.51E-12	1.69E-10
ILMN_1719998	C9ORF45	NM_030814.4	4.00	2	10.56	8.57	4.76E-12	1.78E-10
ILMN_1719755	FBN3	NM_032447.3	4.47	2.16	10.46	8.3	4.81E-12	1.79E-10
ILMN_1691848	LIX1	NM_153234.3	4.41	2.14	10.1	7.96	4.86E-12	1.8E-10
ILMN_1678842	THBS2	NM_003247.2	4.32	2.11	11.14	9.04	4.93E-12	1.83E-10
ILMN_1785061	EPHB2	NM_017449.2	4.06	2.02	11.49	9.47	5.04E-12	1.86E-10
ILMN_1682123	TTC9B	NM_152479.3	4.69	2.23	10.4	8.18	5.1E-12	1.88E-10
ILMN_1811178	ZNF291	NM_020843.1	2.39	1.26	10.97	9.71	5.55E-12	2.03E-10
ILMN_2387471	FLJ22184	NM_001080403.1	2.04	1.03	12.92	11.89	5.58E-12	2.03E-10
ILMN_1747683	AQP4	NM_004028.3	3.25	1.7	14.25	12.55	5.84E-12	2.11E-10
ILMN_1731397	STMN4	NM_030795.2	2.38	1.25	13.52	12.27	5.96E-12	2.14E-10
ILMN_2376194	CAMK2B	NM_172080.1	3.07	1.62	11.82	10.2	5.98E-12	2.15E-10
ILMN_1673518	BRWD1	NM_001007246.1	2.16	1.11	12.33	11.22	5.99E-12	2.15E-10
ILMN_1735996	NOX4	NM_016931.2	2.77	1.47	10.64	9.17	6.12E-12	2.19E-10
ILMN_2359742	CTSB	NM_001908.3	2.39	1.26	14.21	12.95	6.13E-12	2.19E-10
ILMN_1657554	TSPYL2	NM_022117.1	3.16	1.66	11.14	9.49	6.35E-12	2.26E-10
ILMN_1713422	ST18	NM_014682.1	6.15	2.62	9.9	7.28	6.49E-12	2.3E-10
ILMN_1771627	RAI17	NM_020338.2	2.11	1.08	14.33	13.25	6.64E-12	2.35E-10
ILMN_1779685	ACCN1	NM_183377.1	4.32	2.11	9.26	7.16	7.03E-12	2.47E-10
ILMN_1662256	PARP6	NM_020213.1	3.36	1.75	10.65	8.91	7.1E-12	2.49E-10
ILMN_2148193	MPPED2	NM_001584.1	4.72	2.24	11.72	9.48	7.16E-12	2.51E-10
ILMN_1727975	SNTG1	NM_018967.2	2.22	1.15	11.88	10.73	7.17E-12	2.51E-10
ILMN_1702858	ADHFE1	NM_144650.1	2.87	1.52	10.79	9.26	7.4E-12	2.58E-10
ILMN_2256907	MAPK10	NM_138980.1	3.16	1.66	11.26	9.6	7.46E-12	2.6E-10
ILMN_1655563	KIAA0427	NM_014772.1	2.62	1.39	11.3	9.91	7.48E-12	2.6E-10
ILMN_1689456	ZBTB20	NM_015642.2	4.26	2.09	13.34	11.24	7.78E-12	2.69E-10
ILMN_1690703	C21ORF34	NM_001005732.1	2.38	1.25	11.83	10.58	7.94E-12	2.73E-10
ILMN_1759513	RND3	NM_005168.3	2.68	1.42	14.01	12.59	8.05E-12	2.76E-10
ILMN_2401641	ALDH3A2	NM_001031806.1	2.13	1.09	12.89	11.8	8.17E-12	2.79E-10
ILMN_1750181	TESC	NM_017899.1	2.45	1.29	11.59	10.31	8.52E-12	2.89E-10
ILMN_1787539	ZNF177	NM_003451.1	2.25	1.17	11.09	9.92	8.52E-12	2.89E-10
ILMN_2294978	RNASE4	NM_194430.1	2.93	1.55	9.82	8.27	8.63E-12	2.92E-10
ILMN_1668592	STON1	NM_006873.2	3.23	1.69	10.34	8.64	8.7E-12	2.94E-10
ILMN_1667058	CLU	NM_001831.2	2.35	1.23	8.31	7.08	8.72E-12	2.94E-10

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ILMN_1704353	IGSF3	NM_001542.2	2.30	1.2	12.14	10.94	9.06E-12	3.05E-10
ILMN_2107933	ZNF285A	NM_152354.2	2.17	1.12	11.06	9.95	9.23E-12	3.09E-10
ILMN_1787750	CD200	NM_001004196.1	2.53	1.34	10.16	8.82	9.25E-12	3.09E-10
ILMN_1737089	CAPN5	NM_004055.3	2.69	1.43	14.85	13.42	9.26E-12	3.09E-10
ILMN_2319424	GYG2	NM_003918.2	2.36	1.24	13.18	11.94	9.27E-12	3.09E-10
ILMN_1661683	THRA	NM_199334.2	4.41	2.14	11.86	9.72	9.36E-12	3.11E-10
ILMN_1767446	RNF150	NM_020724.1	2.64	1.4	11.18	9.78	9.91E-12	3.27E-10
ILMN_1752793	SAP18	NM_005870.3	2.22	1.15	12.4	11.25	1.01E-11	3.33E-10
ILMN_2082209	C20ORF100	NM_032883.1	2.30	1.2	12.98	11.78	1.03E-11	3.38E-10
ILMN_1730931	RUFY3	NM_014961.2	2.27	1.18	13.99	12.81	1.05E-11	3.45E-10
ILMN_1802167	ALDH1L1	NM_012190.2	5.21	2.38	10.01	7.64	1.07E-11	3.49E-10
ILMN_2401143	ELAVL3	NM_001420.3	3.29	1.72	10.81	9.09	1.07E-11	3.49E-10
ILMN_1728301	GAD2	NM_000818.1	2.89	1.53	10.36	8.83	1.09E-11	3.55E-10
ILMN_1762531	FGF9	NM_002010.1	3.48	1.8	9.71	7.91	1.09E-11	3.55E-10
ILMN_1765258	HLA-E	NM_005516.4	2.50	1.32	11.35	10.03	1.1E-11	3.57E-10
ILMN_1733811	JUP	NM_021991.1	2.81	1.49	11.65	10.16	1.1E-11	3.57E-10
ILMN_1680132	IGSF4	NM_014333.2	2.33	1.22	14.56	13.34	1.14E-11	3.7E-10
ILMN_1713491	VAMP2	NM_014232.1	2.41	1.27	12.44	11.17	1.17E-11	3.78E-10
ILMN_2092850	HPSE	NM_006665.3	3.53	1.82	9.39	7.57	1.17E-11	3.78E-10
ILMN_1681703	FOXO3A	NM_001455.2	2.58	1.37	14.17	12.8	1.19E-11	3.82E-10
ILMN_1679232	KIDINS220	NM_020738.1	2.33	1.22	13.61	12.39	1.27E-11	4.07E-10
ILMN_1809859	PCGF2	NM_007144.2	2.13	1.09	12.76	11.67	1.29E-11	4.13E-10
ILMN_1685044	MTUS1	NM_001001931.1	2.60	1.38	9.34	7.96	1.33E-11	4.24E-10
ILMN_1729987	SRC	NM_005417.3	2.46	1.3	11.99	10.69	1.38E-11	4.35E-10
ILMN_2121816	GPR137B	NM_003272.1	2.03	1.02	12.92	11.9	1.39E-11	4.38E-10
ILMN_1720113	PTPRO	NM_030670.1	4.66	2.22	10.5	8.28	1.39E-11	4.38E-10
ILMN_1814194	TCF4	NM_003199.1	2.46	1.3	13.19	11.88	1.41E-11	4.45E-10
ILMN_1673152	NRXN1	NM_004801.2	4.35	2.12	9.84	7.72	1.43E-11	4.48E-10
ILMN_2328094	DACT1	NM_016651.5	4.89	2.29	10.45	8.15	1.45E-11	4.55E-10
ILMN_1736184	GSTM3	NM_000849.3	2.77	1.47	11.02	9.54	1.46E-11	4.56E-10
ILMN_1739428	IFIT2	NM_001547.3	3.27	1.71	11.71	10	1.46E-11	4.56E-10
ILMN_2412822	SCN3B	NM_018400.2	2.58	1.37	9.14	7.77	1.47E-11	4.59E-10
ILMN_2388445	DLX1	NM_001038493.1	2.58	1.37	13.48	12.11	1.52E-11	4.71E-10
ILMN_2390853	CTSH	NM_004390.2	3.10	1.63	11.76	10.13	1.53E-11	4.73E-10
ILMN_2343278	PPAP2A	NM_176895.1	2.27	1.18	11.92	10.74	1.56E-11	4.83E-10
ILMN_2360202	PPP2R2B	NM_181676.1	2.95	1.56	12.12	10.56	1.57E-11	4.86E-10
ILMN_1718629	NRIP1	NM_003489.2	2.35	1.23	13.11	11.88	1.59E-11	4.89E-10
ILMN_2334210	ITGB4	NM_001005619.1	6.54	2.71	10.72	8.02	1.59E-11	4.9E-10
ILMN_1791447	CXCL12	NM_199168.2	3.20	1.68	11.84	10.16	1.6E-11	4.94E-10
ILMN_1765076	DIP13B	NM_018171.2	1.97	0.98	12.85	11.87	1.62E-11	4.98E-10
ILMN_2407703	SYN1	NM_006950.2	4.50	2.17	11.01	8.84	1.63E-11	4.98E-10
ILMN_2398077	MEIS2	NM_170677.2	2.91	1.54	10.82	9.28	1.65E-11	5.05E-10
ILMN_1720850	BAZ2B	NM_013450.1	2.33	1.22	12.08	10.86	1.68E-11	5.13E-10

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ILMN_1687445	MGC16372	NM_145038.1	3.63	1.86	9.11	7.25	1.71E-11	5.2E-10
ILMN_1726597	C6ORF32	NM_015864.2	2.81	1.49	11.84	10.35	1.72E-11	5.23E-10
ILMN_1712298	ANKRD46	NM_198401.2	2.11	1.08	12.08	11.01	1.75E-11	5.3E-10
ILMN_1721636	TSC22D4	NM_030935.3	2.48	1.31	11.47	10.16	1.77E-11	5.37E-10
ILMN_1739161	PPAP2A	NM_003711.2	2.33	1.22	10.85	9.63	1.81E-11	5.47E-10
ILMN_1665455	DCUN1D3	NM_173475.1	2.10	1.07	11.95	10.88	1.84E-11	5.58E-10
ILMN_1666924	PINK1	NM_032409.1	2.38	1.25	12.37	11.13	1.86E-11	5.63E-10
ILMN_1744937	PTPRM	NM_002845.2	2.81	1.49	11.12	9.63	1.88E-11	5.68E-10
ILMN_1674151	GCOM1	NM_001018096.1	4.66	2.22	9.75	7.52	1.93E-11	5.83E-10
ILMN_1794333	POU2F1	NM_002697.2	2.39	1.26	10.27	9.01	2E-11	5.99E-10
ILMN_1782761	ARHGAP20	NM_020809.2	3.53	1.82	9.3	7.48	2E-11	6E-10
ILMN_1689002	DTX1	NM_004416.2	2.99	1.58	9.96	8.38	2.11E-11	6.3E-10
ILMN_1683065	MGC52110	NM_001008215.1	2.03	1.02	13.24	12.22	2.12E-11	6.33E-10
ILMN_1719286	PPGB	NM_000308.1	2.28	1.19	12.78	11.59	2.18E-11	6.47E-10
ILMN_1712583	METRNL	NM_024042.2	2.51	1.33	14.02	12.7	2.18E-11	6.47E-10
ILMN_1798081	PTPRF	NM_130440.1	2.00	1	11.85	10.85	2.26E-11	6.64E-10
ILMN_2393544	PRMT2	NM_001535.2	2.04	1.03	13.53	12.5	2.29E-11	6.72E-10
ILMN_1712786	KIAA0828	NM_015328.1	3.16	1.66	11.72	10.06	2.31E-11	6.77E-10
ILMN_1793578	ZFP37	NM_003408.1	2.17	1.12	10.83	9.71	2.33E-11	6.82E-10
ILMN_1752728	FUCA1	NM_000147.2	2.04	1.03	11.85	10.82	2.36E-11	6.9E-10
ILMN_2171588	SLC6A1	NM_003042.2	5.66	2.5	11.6	9.1	2.39E-11	6.96E-10
ILMN_2205050	PRKX	NM_005044.1	3.07	1.62	10.89	9.27	2.43E-11	7.05E-10
ILMN_1654653	KNS2	NM_005552.3	2.00	1	13.82	12.82	2.48E-11	7.17E-10
ILMN_2127897	DDX25	NM_013264.2	2.77	1.47	10.19	8.72	2.54E-11	7.33E-10
ILMN_2395375	GABBR1	NM_021905.1	2.46	1.3	11.68	10.38	2.55E-11	7.34E-10
ILMN_1811330	FLJ20152	NM_019000.2	2.71	1.44	11.6	10.16	2.59E-11	7.43E-10
ILMN_2408683	PPAP2B	NM_177414.1	2.01	1.01	13.39	12.38	2.71E-11	7.75E-10
ILMN_1709847	KCNJ13	NM_002242.2	2.68	1.42	9.81	8.4	2.71E-11	7.75E-10
ILMN_1701483	SYP	NM_003179.2	2.41	1.27	10.31	9.04	2.75E-11	7.85E-10
ILMN_1757262	ZBTB5	NM_014872.1	1.96	0.97	11.17	10.19	2.76E-11	7.87E-10
ILMN_1688629	ZNF274	NM_016324.2	1.91	0.93	11.98	11.05	2.77E-11	7.89E-10
ILMN_1748124	TSC22D3	NM_004089.3	2.31	1.21	10.84	9.63	2.81E-11	7.94E-10
ILMN_1779070	APOL4	NM_030643.3	2.99	1.58	9.59	8	2.84E-11	8.01E-10
ILMN_1695946	LOC388610	NM_001013642.1	2.43	1.28	12.53	11.25	2.86E-11	8.07E-10
ILMN_1694027	SESN3	NM_144665.2	3.01	1.59	10.47	8.88	2.97E-11	8.32E-10
ILMN_1791679	DNER	NM_139072.2	6.23	2.64	12.51	9.88	3E-11	8.37E-10
ILMN_1806473	NGFRAP1L1	NM_001012978.1	2.64	1.4	8.97	7.57	3.04E-11	8.46E-10
ILMN_1652072	MGC42105	NM_153361.2	3.34	1.74	11.06	9.33	3.29E-11	9.08E-10
ILMN_1775405	ARL4	NM_005738.2	3.12	1.64	11.9	10.26	3.34E-11	9.2E-10
ILMN_1801068	DACT1	NM_016651.4	4.47	2.16	10.05	7.9	3.36E-11	9.23E-10
ILMN_1655595	SERPINE2	NM_006216.2	1.93	0.95	13.87	12.92	3.45E-11	9.44E-10
ILMN_1813685	RAB7L1	NM_003929.1	2.08	1.06	12.09	11.03	3.45E-11	9.44E-10
ILMN_1808117	C1QL4	NM_001008223.1	3.34	1.74	9.49	7.74	3.52E-11	9.61E-10

Supplementary Table 2

ILMN_1659753	LAMP2	NM_002294.1	2.19	1.13	12.72	11.6	3.55E-11	9.69E-10
ILMN_1741350	CEP70	NM_024491.2	2.51	1.33	11.16	9.83	3.6E-11	9.79E-10
ILMN_1732071	HIST2H2BE	NM_003528.2	2.19	1.13	12.85	11.72	3.64E-11	9.9E-10
ILMN_1664001	ARSF	NM_004042.3	3.23	1.69	8.89	7.2	3.8E-11	1.03E-09
ILMN_2373831	BTN3A3	NM_197974.1	2.43	1.28	10.23	8.96	3.86E-11	1.04E-09
ILMN_2286987	LOC388419	NM_001080466.1	2.16	1.11	11.65	10.54	3.98E-11	1.07E-09
ILMN_1701603	ALPL	NM_000478.2	2.71	1.44	10.42	8.98	4E-11	1.08E-09
ILMN_1653504	EDG1	NM_001400.2	3.27	1.71	10.35	8.64	4.18E-11	1.12E-09
ILMN_1702384	ZNF706	NM_016096.2	1.99	0.99	12.26	11.28	4.18E-11	1.12E-09
ILMN_1811820	KIAA1853	NM_194286.2	2.68	1.42	9.4	7.98	4.23E-11	1.13E-09
ILMN_1786197	NR2F1	NM_005654.4	3.81	1.93	11.01	9.08	4.25E-11	1.14E-09
ILMN_2367753	ATP2B4	NM_001684.3	2.57	1.36	12.56	11.21	4.27E-11	1.14E-09
ILMN_1791366	RCOR2	NM_173587.2	3.14	1.65	11.87	10.22	4.31E-11	1.15E-09
ILMN_1791226	NXN	NM_022463.3	2.71	1.44	11.67	10.23	4.43E-11	1.18E-09
ILMN_1784333	KIAA0256	NM_014701.2	1.97	0.98	12.11	11.13	4.49E-11	1.2E-09
ILMN_2399300	NAV2	NM_145117.3	2.23	1.16	12.5	11.34	4.51E-11	1.2E-09
ILMN_1796216	VASH1	NM_014909.2	1.93	0.95	12.12	11.17	4.59E-11	1.22E-09
ILMN_1692368	DLX2	NM_004405.2	2.28	1.19	10.35	9.16	4.69E-11	1.24E-09
ILMN_1796245	DNASE2	NM_001375.2	2.62	1.39	13.28	11.89	4.7E-11	1.24E-09
ILMN_2249018	LOC389816	NM_001013653.1	3.66	1.87	9.96	8.09	4.75E-11	1.25E-09
ILMN_1792389	RNF165	NM_152470.2	2.43	1.28	11.93	10.65	4.75E-11	1.25E-09
ILMN_1685467	ZNF397	NM_032347.1	2.25	1.17	10.18	9.01	4.78E-11	1.26E-09
ILMN_1710903	MAPT	NM_016834.1	4.41	2.14	11.22	9.08	4.99E-11	1.31E-09
ILMN_1770399	C10ORF107	NM_173554.1	2.30	1.2	10.44	9.25	5.13E-11	1.34E-09
ILMN_1669410	CHGA	NM_001275.2	3.18	1.67	9.45	7.78	5.14E-11	1.34E-09
ILMN_1654065	ATOH8	NM_032827.3	2.91	1.54	11.07	9.53	5.15E-11	1.35E-09
ILMN_2211003	GAS2L3	NM_174942.1	2.91	1.54	11.84	10.3	5.18E-11	1.35E-09
ILMN_2197519	ZNF627	NM_145295.2	2.08	1.06	12.94	11.89	5.18E-11	1.35E-09
ILMN_1773855	CPT1C	NM_152359.1	2.25	1.17	12.87	11.7	5.55E-11	1.44E-09
ILMN_1685750	RAB3C	NM_138453.2	3.41	1.77	9.19	7.42	5.73E-11	1.48E-09
ILMN_1805645	TMTC2	NM_152588.1	5.21	2.38	11.32	8.94	5.77E-11	1.49E-09
ILMN_1770673	AKNA	NM_030767.2	2.46	1.3	10.45	9.15	5.95E-11	1.53E-09
ILMN_2229877	PCDH18	NM_019035.2	2.57	1.36	10.01	8.65	5.98E-11	1.53E-09
ILMN_1724480	AXIN2	NM_004655.2	2.10	1.07	11.76	10.7	6E-11	1.54E-09
ILMN_1678705	FLJ35220	NM_173627.2	2.35	1.23	9.88	8.65	6.05E-11	1.55E-09
ILMN_1671731	AVP1	NM_021732.1	2.97	1.57	11.38	9.81	6.15E-11	1.57E-09
ILMN_1723706	DIP	NM_015124.2	1.88	0.91	11.04	10.12	6.21E-11	1.58E-09
ILMN_1688801	JPH3	NM_020655.2	2.14	1.1	9.97	8.86	6.32E-11	1.61E-09
ILMN_1799860	PIGM	NM_145167.1	2.48	1.31	12.39	11.08	6.52E-11	1.65E-09
ILMN_1739942	ALS2CR13	NM_173511.2	2.10	1.07	12.6	11.52	6.59E-11	1.66E-09
ILMN_2381899	OPTN	NM_001008213.1	2.22	1.15	11.91	10.77	6.64E-11	1.67E-09
ILMN_1749081	AUTS2	NM_015570.1	1.95	0.96	12.4	11.44	6.65E-11	1.67E-09
ILMN_1761084	FNDC5	NM_153756.1	3.51	1.81	10.49	8.68	6.78E-11	1.7E-09

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ILMN_1792689	HIST1H2AC	NM_003512.3	2.28	1.19	11.01	9.82	6.79E-11	1.7E-09
ILMN_1670692	GPR23	NM_005296.1	2.85	1.51	11.77	10.26	6.98E-11	1.74E-09
ILMN_2315789	PTPRD	NM_130391.2	3.41	1.77	10.73	8.97	7.1E-11	1.77E-09
ILMN_1718950	ZNF433	NM_152602.1	2.43	1.28	10.64	9.35	7.39E-11	1.84E-09
ILMN_2346727	MTUS1	NM_001001924.1	2.87	1.52	10.1	8.57	7.45E-11	1.85E-09
ILMN_1651950	TPST1	NM_003596.2	2.25	1.17	13.69	12.52	7.5E-11	1.86E-09
ILMN_1797744	CGI-38	NM_015964.2	3.41	1.77	10.49	8.72	7.83E-11	1.93E-09
ILMN_1744138	CHCHD7	NM_001011668.1	2.06	1.04	11.33	10.29	8.03E-11	1.97E-09
ILMN_1765636	FLJ22184	XM_940456.1	2.06	1.04	10.36	9.33	8.05E-11	1.98E-09
ILMN_1680757	LOC389816	XM_939320.1	2.81	1.49	9.48	7.99	8.07E-11	1.98E-09
ILMN_2360307	SUSD4	NM_001037175.1	2.35	1.23	9.62	8.39	8.11E-11	1.98E-09
ILMN_1717636	RGMA	NM_020211.1	2.27	1.18	15.27	14.09	8.19E-11	0.000000002
ILMN_1695606	EFNB3	NM_001406.3	1.93	0.95	12.58	11.63	8.38E-11	2.04E-09
ILMN_1679580	KCNIP4	NM_025221.4	3.43	1.78	11.8	10.01	8.53E-11	2.07E-09
ILMN_2074860	RN7SK	NR_001445.1	4.20	2.07	11.75	9.69	8.55E-11	2.07E-09
ILMN_1731215	MYBPHL	NM_001010985.1	2.71	1.44	9.47	8.04	8.59E-11	2.07E-09
ILMN_2181125	NAPB	NM_022080.1	2.01	1.01	11.57	10.56	8.73E-11	2.1E-09
ILMN_1654398	RGL1	NM_015149.2	1.96	0.97	13.57	12.59	8.74E-11	2.1E-09
ILMN_1757106	6-MAR	NM_005885.2	2.45	1.29	12.39	11.09	8.85E-11	2.12E-09
ILMN_1802708	BTN3A1	NM_007048.3	2.20	1.14	10.74	9.61	8.85E-11	2.12E-09
ILMN_2185866	PCDHB17	NR_001280.1	2.64	1.4	11.53	10.13	8.92E-11	2.14E-09
ILMN_1695354	BMF	NM_001003942.1	3.61	1.85	9.29	7.44	8.96E-11	2.14E-09
ILMN_2053103	SLC40A1	NM_014585.3	2.91	1.54	10.97	9.44	8.96E-11	2.14E-09
ILMN_2157441	HLA-DRA	NM_019111.3	2.66	1.41	13.29	11.88	9.09E-11	2.16E-09
ILMN_2165473	MID1IP1	NM_021242.3	1.88	0.91	11.95	11.04	9.11E-11	2.17E-09
ILMN_1755974	ALDOC	NM_005165.2	2.38	1.25	13.13	11.88	9.12E-11	2.17E-09
ILMN_1708805	NCOA3	NM_006534.2	2.08	1.06	11.24	10.18	9.37E-11	2.22E-09
ILMN_1701557	WBSCR17	NM_022479.1	2.83	1.5	10.29	8.79	9.46E-11	2.24E-09
ILMN_1706682	SCRT2	NM_033129.1	3.36	1.75	9.22	7.47	9.59E-11	2.27E-09
ILMN_1735038	3-MAR	NM_178450.2	2.85	1.51	9.91	8.4	9.76E-11	2.3E-09
ILMN_1677376	CHD7	NM_017780.2	2.16	1.11	12.44	11.33	9.95E-11	2.35E-09
ILMN_1656415	CDKN2C	NM_078626.1	3.14	1.65	10.87	9.22	9.99E-11	2.35E-09
ILMN_1726786	TNRC6B	NM_001024843.1	2.10	1.07	12.13	11.06	1.04E-10	2.43E-09
ILMN_2141482	SERPINF1	NM_002615.4	2.73	1.45	8.92	7.46	1.05E-10	2.47E-09
ILMN_1655117	WDR19	NM_025132.3	2.36	1.24	12.57	11.33	1.06E-10	2.48E-09
ILMN_2315208	CAMK2B	NM_172078.1	2.62	1.39	10.17	8.78	1.07E-10	2.5E-09
ILMN_2400947	CUGBP2	NM_006561.2	1.89	0.92	12.22	11.3	1.08E-10	2.52E-09
ILMN_1761733	HLA-DMB	NM_002118.3	2.93	1.55	10.84	9.29	1.09E-10	2.54E-09
ILMN_1779347	GARNL3	NM_032293.3	2.27	1.18	10.41	9.23	1.15E-10	2.67E-09
ILMN_1768534	BHLHB2	NM_003670.1	2.04	1.03	12.94	11.91	1.16E-10	2.68E-09
ILMN_1659688	LGALS3BP	NM_005567.2	2.51	1.33	13.89	12.56	1.17E-10	2.7E-09
ILMN_2380566	SIAH1	NM_001006610.1	1.91	0.93	13.07	12.14	1.21E-10	2.78E-09
ILMN_2401978	STAT3	NM_213662.1	2.08	1.06	13.59	12.54	1.22E-10	2.8E-09

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ILMN_1772686	FGD3	NM_033086.1	6.36	2.67	11.14	8.47	1.24E-10	2.85E-09
ILMN_1751452	NDFIP1	NM_030571.2	2.91	1.54	13.02	11.49	1.27E-10	2.91E-09
ILMN_1693882	FLJ90013	NM_153365.1	3.12	1.64	11.6	9.95	1.28E-10	2.94E-09
ILMN_1771652	BAIAP2L2	NM_025045.3	2.45	1.29	9.33	8.04	1.3E-10	2.98E-09
ILMN_1694325	NFIX	NM_002501.2	1.83	0.87	14.58	13.71	1.3E-10	2.98E-09
ILMN_1760208	GDAP1L1	NM_024034.3	2.46	1.3	9.34	8.04	1.34E-10	3.06E-09
ILMN_2107184	SNRK	NM_017719.3	1.97	0.98	12.17	11.2	1.39E-10	3.17E-09
ILMN_2150258	ZFP36L2	NM_006887.3	1.93	0.95	11.93	10.98	1.4E-10	3.17E-09
ILMN_1651347	SERTAD2	NM_014755.1	1.93	0.95	13.19	12.24	1.42E-10	3.22E-09
ILMN_1709590	PGM5	XM_936702.1	2.58	1.37	10.52	9.15	1.44E-10	3.26E-09
ILMN_1719010	ARL4D	NM_001661.2	2.66	1.41	9.97	8.56	1.48E-10	3.33E-09
ILMN_1658989	RKHD3	NM_032246.3	2.79	1.48	12.29	10.81	1.49E-10	3.35E-09
ILMN_1774733	SOCS1	NM_003745.1	2.89	1.53	9.28	7.74	1.49E-10	3.35E-09
ILMN_1682864	SPSB3	NM_080861.3	2.51	1.33	12.91	11.59	1.53E-10	3.43E-09
ILMN_1743104	RBM4B	NM_031492.2	1.96	0.97	13.38	12.42	1.57E-10	3.51E-09
ILMN_1695959	C21ORF63	NM_058187.3	1.82	0.86	12.1	11.25	1.58E-10	3.54E-09
ILMN_1739214	TMPRSS5	NM_030770.1	2.75	1.46	9.81	8.34	1.59E-10	3.55E-09
ILMN_1657983	TERF2IP	NM_018975.2	1.91	0.93	14.06	13.13	1.63E-10	3.63E-09
ILMN_1710495	PAPLN	NM_173462.2	4.03	2.01	9.45	7.44	1.66E-10	3.69E-09
ILMN_1815086	NINJ1	NM_004148.2	2.17	1.12	13.07	11.95	1.69E-10	3.73E-09
ILMN_1724070	MAP3K14	NM_003954.1	2.07	1.05	10.03	8.98	1.69E-10	3.73E-09
ILMN_1810962	PTPRK	NM_002844.2	3.29	1.72	11.23	9.51	1.69E-10	3.73E-09
ILMN_2361862	VLDLR	NM_001018056.1	2.53	1.34	12	10.66	1.7E-10	3.75E-09
ILMN_1684158	GPT2	NM_133443.1	1.93	0.95	14.01	13.05	1.72E-10	3.79E-09
ILMN_1811719	MYO7A	NM_000260.1	3.86	1.95	9.46	7.51	1.72E-10	3.8E-09
ILMN_1811972	MYCBP2	NM_015057.2	2.23	1.16	11.43	10.27	1.73E-10	3.8E-09
ILMN_1707077	SORT1	NM_002959.4	2.35	1.23	14.42	13.19	1.74E-10	3.83E-09
ILMN_1661833	ANKRD12	NM_015208.2	3.01	1.59	11.64	10.05	1.75E-10	3.84E-09
ILMN_1712523	MAP6	NM_207577.1	2.14	1.1	11.99	10.89	1.77E-10	3.89E-09
ILMN_1657760	SYT17	NM_016524.2	2.13	1.09	12.41	11.32	1.79E-10	3.91E-09
ILMN_1794384	AMBN	NM_016519.4	4.08	2.03	9.98	7.96	1.85E-10	4.03E-09
ILMN_1772514	LOC124842	NM_207313.1	2.25	1.17	9.9	8.74	1.86E-10	4.06E-09
ILMN_1656951	APCDD1	NM_153000.3	2.30	1.2	10.75	9.56	1.87E-10	4.08E-09
ILMN_2141118	LOC388135	NM_001039614.1	1.82	0.86	12.68	11.81	1.91E-10	4.17E-09
ILMN_1711203	C6ORF15	NM_014070.1	5.58	2.48	10.9	8.42	1.99E-10	4.32E-09
ILMN_1663397	CAMK2B	XM_936314.1	2.41	1.27	10.27	9	2.04E-10	4.42E-09
ILMN_1708029	C9ORF127	NM_016446.2	1.92	0.94	12.86	11.93	2.07E-10	4.47E-09
ILMN_1665425	RPRM	NM_019845.2	2.91	1.54	10.15	8.61	2.09E-10	4.51E-09
ILMN_1658080	ZNF573	NM_152360.2	1.99	0.99	11.48	10.49	2.16E-10	4.64E-09
ILMN_1700695	SLC44A1	NM_080546.2	2.11	1.08	13.57	12.49	2.16E-10	4.64E-09
ILMN_1733538	RGS10	NM_002925.3	2.55	1.35	11.34	9.99	2.17E-10	4.65E-09
ILMN_2148668	RCBTB2	NM_001268.2	3.25	1.7	11.91	10.21	2.18E-10	4.68E-09
ILMN_2146389	MEGF10	NM_032446.1	3.34	1.74	11.21	9.47	2.2E-10	4.71E-09

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ILMN_2120695	TSPAN7	NM_004615.2	1.85	0.89	13.01	12.13	2.27E-10	4.84E-09
ILMN_1813139	ANKDD1A	NM_182703.2	2.20	1.14	11.1	9.96	2.31E-10	4.91E-09
ILMN_1777591	C10ORF65	NM_138413.2	2.85	1.51	10.46	8.95	2.35E-10	0.000000005
ILMN_1667893	TNS3	NM_022748.9	2.23	1.16	12.06	10.9	2.41E-10	5.11E-09
ILMN_1808405	HLA-DQA1	XM_936120.1	3.39	1.76	9.32	7.56	2.43E-10	5.15E-09
ILMN_1672717	C10ORF57	NM_025125.2	1.85	0.89	11.79	10.9	2.46E-10	5.2E-09
ILMN_2372698	RGN	NM_152869.2	3.61	1.85	9.89	8.05	2.49E-10	5.23E-09
ILMN_1813175	LPHN1	NM_014921.3	1.89	0.92	11.94	11.02	2.64E-10	5.51E-09
ILMN_1698846	SLC8A2	NM_015063.1	4.17	2.06	9.96	7.9	2.69E-10	5.62E-09
ILMN_1815057	PDGFRB	NM_002609.3	2.64	1.4	11.2	9.8	2.74E-10	5.69E-09
ILMN_2344221	LOC150084	NM_001080444.1	2.22	1.15	10.97	9.82	2.75E-10	5.71E-09
ILMN_1657087	ZNF533	NM_152520.3	3.16	1.66	9.2	7.54	2.8E-10	5.8E-09
ILMN_1705302	FCGRT	NM_004107.3	2.07	1.05	12.14	11.09	2.87E-10	5.94E-09
ILMN_1815319	CMTM4	NM_178818.2	2.08	1.06	12.47	11.41	2.88E-10	5.96E-09
ILMN_1693338	CYP1B1	NM_000104.2	3.76	1.91	9.42	7.51	3.17E-10	6.48E-09
ILMN_1742025	OLFM1	NM_014279.2	2.23	1.16	10.41	9.25	3.18E-10	6.49E-09
ILMN_1805992	KIAA1598	NM_018330.3	2.08	1.06	11.96	10.9	3.22E-10	6.57E-09
ILMN_1659206	RARA	NM_001024809.2	1.95	0.96	13.3	12.34	3.22E-10	6.57E-09
ILMN_1707124	TFPI	NM_006287.3	1.91	0.93	11.32	10.4	3.28E-10	6.65E-09
ILMN_2387712	AK5	NM_012093.2	3.46	1.79	9.55	7.77	3.28E-10	6.65E-09
ILMN_2343264	PRDM16	NM_022114.2	2.89	1.53	10.98	9.46	3.36E-10	6.8E-09
ILMN_1760490	ACVR1	NM_001105.2	2.58	1.37	13.01	11.64	3.45E-10	6.98E-09
ILMN_1717261	HLA-DRB3	NM_022555.3	2.85	1.51	10.09	8.57	3.5E-10	7.07E-09
ILMN_1762606	AQP11	NM_173039.1	2.13	1.09	11.34	10.25	3.53E-10	7.12E-09
ILMN_2087692	CYBRD1	NM_024843.2	2.10	1.07	12.94	11.88	3.61E-10	7.27E-09
ILMN_2314140	PAX6	NM_001604.3	2.11	1.08	11.13	10.05	3.63E-10	7.3E-09
ILMN_1689111	CXCL12	NM_001033886.1	2.69	1.43	11.38	9.94	3.78E-10	7.57E-09
ILMN_1708858	CSNK1E	NM_152221.2	2.17	1.12	12.92	11.8	3.86E-10	7.73E-09
ILMN_1802190	FOXJ1	NM_001454.2	2.07	1.05	9.73	8.68	4.18E-10	8.31E-09
ILMN_1686750	MGEA5	NM_012215.1	2.53	1.34	13.77	12.43	4.2E-10	8.33E-09
ILMN_2366490	ZNF706	NM_001042511.1	1.92	0.94	11.9	10.96	4.2E-10	8.33E-09
ILMN_1692664	PRR5	NM_001017530.1	2.46	1.3	10.03	8.73	4.3E-10	8.48E-09
ILMN_2399769	GPR177	NM_001002292.1	2.87	1.52	12.62	11.1	4.31E-10	8.49E-09
ILMN_2071809	MGP	NM_000900.2	2.68	1.42	9.75	8.33	4.32E-10	8.52E-09
ILMN_1789733	CLIPR-59	NM_015526.1	2.00	1	14.93	13.93	4.44E-10	8.72E-09
ILMN_1658356	DKFZP586H	NM_001001991.1	3.01	1.59	9.52	7.93	4.45E-10	8.75E-09
ILMN_1786720	PROM1	NM_006017.1	1.93	0.95	13.56	12.61	4.47E-10	8.78E-09
ILMN_2086890	ANGPT1	NM_001146.3	2.97	1.57	10	8.43	4.55E-10	8.91E-09
ILMN_2056032	CD99	NM_002414.3	2.16	1.11	12.81	11.71	4.59E-10	8.95E-09
ILMN_1745217	FLJ10081	NM_017991.3	2.35	1.23	12.62	11.39	4.63E-10	9.02E-09
ILMN_2193706	HRK	NM_003806.1	2.51	1.33	8.73	7.4	4.64E-10	9.03E-09
ILMN_1744795	TBL1X	NM_005647.2	2.28	1.19	12.43	11.24	4.71E-10	9.15E-09
ILMN_2149164	SFRP1	NM_003012.3	2.06	1.04	11.87	10.82	4.72E-10	9.17E-09

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ILMN_1779241	CRYM	NM_001888.2	2.60	1.38	10.16	8.78	4.77E-10	9.24E-09
ILMN_1694608	C1QTNF1	NM_030968.2	3.92	1.97	9.68	7.72	4.78E-10	9.25E-09
ILMN_1691290	CELSR3	NM_001407.1	2.19	1.13	11.99	10.86	4.82E-10	9.31E-09
ILMN_1682095	RCOR3	NM_018254.2	1.82	0.86	12.2	11.34	4.82E-10	9.31E-09
ILMN_1675038	PRMT2	NM_206962.1	2.04	1.03	13.7	12.68	5.02E-10	9.65E-09
ILMN_1730504	AGPAT4	NM_001012734.1	2.03	1.02	12.15	11.13	5.11E-10	9.82E-09
ILMN_2243308	ACVR1B	NM_004302.3	2.16	1.11	12.87	11.75	5.13E-10	9.84E-09
ILMN_1758672	FAM107B	NM_031453.2	1.93	0.95	12.08	11.14	5.14E-10	9.85E-09
ILMN_1743241	ARL4	NM_005738.2	2.73	1.45	10.63	9.18	5.22E-10	9.98E-09
ILMN_1685854	LOC492311	NM_001007189.1	4.32	2.11	10.72	8.61	5.27E-10	1.01E-08
ILMN_1669709	TMEM108	NM_023943.1	1.95	0.96	12.16	11.2	5.29E-10	1.01E-08
ILMN_1651642	GPC2	NM_152742.1	2.08	1.06	12.29	11.23	5.34E-10	1.02E-08
ILMN_1810836	PDE5A	NM_033437.2	2.57	1.36	9.25	7.89	5.46E-10	1.04E-08
ILMN_2054607	CYP4V2	NM_207352.2	1.91	0.93	11.58	10.65	5.5E-10	1.05E-08
ILMN_1744949	RHOBTB3	NM_014899.2	2.00	1	14.42	13.42	5.52E-10	1.05E-08
ILMN_1783185	SOX21	NM_007084.2	1.92	0.94	14.35	13.41	5.52E-10	1.05E-08
ILMN_2356111	SLC41A3	NM_017836.3	1.73	0.79	12.29	11.5	5.53E-10	1.05E-08
ILMN_1814369	C21ORF62	NM_019596.2	1.97	0.98	13.41	12.44	5.56E-10	1.05E-08
ILMN_1805902	ELA1	NM_001971.4	2.79	1.48	9.01	7.53	5.61E-10	1.06E-08
ILMN_1652525	C9ORF28	NM_033446.1	2.13	1.09	12.58	11.5	5.63E-10	1.07E-08
ILMN_1712046	CPXM	NM_019609.3	1.88	0.91	11.73	10.82	5.65E-10	1.07E-08
ILMN_1721106	C14ORF159	NM_024952.4	1.69	0.76	12.12	11.36	5.66E-10	1.07E-08
ILMN_1774208	B3GAT2	NM_080742.1	3.10	1.63	9.07	7.44	5.72E-10	1.08E-08
ILMN_1656285	METTL7A	NM_014033.2	2.60	1.38	9.79	8.4	5.84E-10	0.000000011
ILMN_2109197	EPB41L3	NM_012307.2	2.03	1.02	14.26	13.24	5.98E-10	1.12E-08
ILMN_2388397	LYPD1	NM_001077427.2	2.30	1.2	12.54	11.33	6.08E-10	1.14E-08
ILMN_1656045	BRUNOL6	NM_052840.3	3.16	1.66	9.44	7.78	6.09E-10	1.14E-08
ILMN_1773459	SOX11	NM_003108.3	1.85	0.89	14.38	13.48	6.18E-10	1.15E-08
ILMN_1699723	RARB	NM_000965.2	2.48	1.31	9.29	7.98	6.22E-10	1.16E-08
ILMN_2151056	C10ORF32	NM_144591.1	1.87	0.9	12.28	11.38	6.26E-10	1.16E-08
ILMN_1720513	SETBP1	NM_015559.1	2.45	1.29	12.35	11.06	6.3E-10	1.17E-08
ILMN_2390526	RARB	NM_016152.2	3.07	1.62	9.03	7.42	6.45E-10	1.19E-08
ILMN_2223941	FBLN5	NM_006329.2	2.39	1.26	10.79	9.53	6.52E-10	0.000000012
ILMN_1743373	DLL1	NM_005618.2	1.73	0.79	11.87	11.08	6.52E-10	0.000000012
ILMN_2228732	CCNG2	NM_004354.1	2.60	1.38	11.23	9.85	6.54E-10	1.21E-08
ILMN_2178587	ANKRD6	NM_014942.2	2.35	1.23	10.48	9.24	6.56E-10	1.21E-08
ILMN_1731374	CPE	NM_001873.1	2.62	1.39	11.85	10.46	6.67E-10	1.23E-08
ILMN_1687384	G1P3	NM_002038.2	2.20	1.14	13.55	12.41	6.7E-10	1.23E-08
ILMN_1728663	IL17RD	NM_017563.1	1.89	0.92	10.1	9.18	6.75E-10	1.24E-08
ILMN_2387952	FLJ20152	NM_001034850.1	2.28	1.19	12.54	11.35	6.93E-10	1.27E-08
ILMN_1765990	KCNK2	NM_001017424.1	2.81	1.49	10.25	8.76	6.96E-10	1.27E-08
ILMN_1779886	TBC1D14	NM_020773.1	2.00	1	13.11	12.11	6.97E-10	1.28E-08
ILMN_1670807	FAM84B	NM_174911.3	1.82	0.86	13.77	12.91	7.06E-10	1.29E-08

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ILMN_1751020	PACSIN1	NM_020804.2	3.03	1.6	9.04	7.44	7.12E-10	0.000000013
ILMN_1716552	ENAH	NM_018212.4	2.14	1.1	12.97	11.88	7.21E-10	1.31E-08
ILMN_1788604	WBP2	NM_012478.2	1.68	0.75	15.33	14.58	7.27E-10	1.33E-08
ILMN_1804988	MOAP1	NM_022151.4	1.87	0.9	12.54	11.64	7.32E-10	1.33E-08
ILMN_1694084	PSCD1	NM_017456.2	1.92	0.94	12.51	11.57	7.34E-10	1.33E-08
ILMN_2172497	LPPR4	NM_014839.3	3.20	1.68	11.54	9.85	7.36E-10	1.34E-08
ILMN_2317543	ITGB4	NM_001005731.1	4.41	2.14	10.06	7.92	7.4E-10	1.34E-08
ILMN_1680738	C5ORF13	NM_004772.1	1.87	0.9	15.02	14.12	7.42E-10	1.35E-08
ILMN_1773742	DNAJB9	NM_012328.1	1.99	0.99	11.86	10.86	7.47E-10	1.35E-08
ILMN_1742881	SYT1	NM_005639.1	2.39	1.26	9.96	8.7	7.62E-10	1.38E-08
ILMN_1814710	PCDHB5	NM_015669.2	1.78	0.83	11.79	10.96	7.68E-10	1.39E-08
ILMN_1680154	MAP1B	NM_005909.2	2.03	1.02	13.61	12.59	7.87E-10	1.42E-08
ILMN_1793915	MXI1	NM_130439.3	1.96	0.97	9.57	8.6	7.9E-10	1.42E-08
ILMN_2095133	SPTAN1	NM_003127.1	2.27	1.18	12.94	11.76	8.03E-10	1.44E-08
ILMN_1713835	UNQ470	NM_198573.2	2.25	1.17	12.09	10.92	8.15E-10	1.46E-08
ILMN_1747968	RBM33	NM_001008408.1	2.16	1.11	11.54	10.43	8.31E-10	1.49E-08
ILMN_1753312	PLXDC2	NM_032812.7	3.43	1.78	9.6	7.82	8.48E-10	1.52E-08
ILMN_1683854	ZNF484	NM_031486.1	1.95	0.96	10.57	9.61	8.59E-10	1.53E-08
ILMN_1815023	PIM1	NM_002648.2	2.31	1.21	10.64	9.43	8.66E-10	1.54E-08
ILMN_1809695	CAMK2G	NM_172169.1	1.80	0.85	12.22	11.37	8.86E-10	1.58E-08
ILMN_1657361	CBX7	NM_175709.2	2.89	1.53	10.24	8.71	9.19E-10	1.63E-08
ILMN_2185845	BRSK1	NM_032430.1	1.95	0.96	13.24	12.28	9.26E-10	1.64E-08
ILMN_1705848	CXORF44	NM_138362.1	1.79	0.84	10.67	9.83	9.31E-10	1.65E-08
ILMN_1749115	RTN2	NM_206902.1	2.19	1.13	9.63	8.5	9.5E-10	1.68E-08
ILMN_2400759	CPVL	NM_031311.3	1.97	0.98	12.93	11.96	9.62E-10	0.000000017
ILMN_1736828	CHST10	NM_004854.3	2.07	1.05	13.01	11.95	1E-09	1.77E-08
ILMN_2396272	PDCD4	NM_145341.2	1.79	0.84	12.55	11.71	1.01E-09	1.78E-08
ILMN_1772218	HLA-DPA1	NM_033554.2	3.20	1.68	11.38	9.7	1.01E-09	1.78E-08
ILMN_1746276	EPC1	NM_025209.2	3.34	1.74	11.04	9.3	1.03E-09	1.82E-08
ILMN_1674034	H2AFY	NM_138609.1	1.88	0.91	12.3	11.39	1.04E-09	1.83E-08
ILMN_1740490	ZNF545	NM_133466.1	1.97	0.98	10.69	9.7	1.05E-09	1.83E-08
ILMN_1729691	SLC16A6	NM_004694.2	4.41	2.14	9.73	7.59	1.06E-09	1.84E-08
ILMN_1780831	SLC6A12	NM_003044.2	2.46	1.3	8.98	7.69	1.06E-09	1.85E-08
ILMN_1698441	MYST4	NM_012330.1	2.79	1.48	10.64	9.16	1.06E-09	1.85E-08
ILMN_1808587	ATBF1	NM_006885.2	2.45	1.29	11.21	9.92	1.07E-09	1.86E-08
ILMN_1750706	ZNF312	NM_018008.2	3.46	1.79	9.69	7.89	1.09E-09	1.88E-08
ILMN_2058795	PGCP	NM_016134.2	1.92	0.94	11.18	10.24	1.1E-09	1.91E-08
ILMN_1785424	ABLIM1	NM_006720.3	2.16	1.11	12.67	11.56	1.11E-09	1.91E-08
ILMN_1736567	CD74	NM_001025158.1	3.53	1.82	11.83	10.01	1.11E-09	1.91E-08
ILMN_2124816	ZNF34	NM_030580.2	1.74	0.8	10.61	9.81	1.11E-09	1.92E-08
ILMN_1710092	BTBD4	NM_025224.2	2.64	1.4	10.74	9.34	1.11E-09	1.92E-08
ILMN_1670130	ARID3A	NM_005224.1	1.95	0.96	10.56	9.6	1.14E-09	1.96E-08
ILMN_2130441	HLA-H	NR_001434.1	1.77	0.82	13.78	12.95	1.16E-09	1.99E-08

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ILMN_1687556	LOC92196	NM_001017920.1	2.93	1.55	10.66	9.1	1.17E-09	0.00000002
ILMN_1653200	SLC22A17	NM_016609.3	1.92	0.94	13.57	12.63	1.19E-09	2.05E-08
ILMN_1735402	WDR22	NM_003861.1	1.80	0.85	12.64	11.78	1.2E-09	2.05E-08
ILMN_1707323	PDZRN4	NM_013377.2	2.17	1.12	9.2	8.08	1.23E-09	0.000000021
ILMN_1729075	PTHR2	NM_005048.2	2.91	1.54	9.03	7.48	1.24E-09	2.12E-08
ILMN_1663866	TGFBI	NM_000358.1	3.46	1.79	11.2	9.41	1.28E-09	2.18E-08
ILMN_1742935	ZNF11B	NM_006955.1	1.82	0.86	11.43	10.57	1.3E-09	2.21E-08
ILMN_2129572	F3	NM_001993.2	4.17	2.06	10.86	8.8	1.3E-09	2.21E-08
ILMN_1783606	MLL5	NM_018682.2	2.43	1.28	10.34	9.06	1.35E-09	2.28E-08
ILMN_1807767	KIAA0182	NM_014615.1	2.07	1.05	13.43	12.38	1.35E-09	2.28E-08
ILMN_1726512	ZSCAN2	NM_181877.3	1.96	0.97	11.68	10.71	1.37E-09	2.31E-08
ILMN_2243687	LAMP2	NM_002294.1	2.36	1.24	13.01	11.77	1.39E-09	2.34E-08
ILMN_1762696	C14ORF152	NM_138344.2	2.19	1.13	12.59	11.46	1.4E-09	2.35E-08
ILMN_2407851	IL17RD	NM_001080973.1	2.00	1	11.88	10.88	1.41E-09	2.36E-08
ILMN_2151281	GABARAPL1	NM_031412.2	1.75	0.81	12.74	11.93	1.41E-09	2.36E-08
ILMN_2402581	GCOM1	NM_001018100.1	2.71	1.44	8.81	7.36	1.43E-09	2.38E-08
ILMN_1764764	MUM1	NM_032853.2	2.04	1.03	12.98	11.94	1.46E-09	2.42E-08
ILMN_1752294	PCDH9	NM_020403.3	2.22	1.15	10.83	9.68	1.46E-09	2.42E-08
ILMN_1737426	PCMTD1	NM_052937.1	2.31	1.21	10.71	9.5	1.49E-09	2.47E-08
ILMN_1705928	ASCC3L1	NM_014014.2	2.58	1.37	11.51	10.14	1.5E-09	2.49E-08
ILMN_1797277	KIF3C	NM_002254.5	1.96	0.97	12.01	11.04	1.51E-09	0.000000025
ILMN_1784678	PBX1	NM_002585.1	1.91	0.93	11.05	10.12	1.55E-09	2.55E-08
ILMN_1753345	SCAMP5	NM_138967.2	1.89	0.92	11.75	10.83	1.55E-09	2.56E-08
ILMN_1787127	SLC43A2	NM_152346.1	2.81	1.49	11.77	10.28	1.6E-09	2.64E-08
ILMN_1737025	PLCL2	NM_015184.2	1.91	0.93	10.98	10.05	1.63E-09	2.67E-08
ILMN_2153485	NMNAT3	NM_178177.2	2.07	1.05	9.93	8.87	1.66E-09	2.72E-08
ILMN_1775235	AFF3	NM_002285.2	3.86	1.95	10.23	8.27	1.68E-09	2.75E-08
ILMN_1654851	C2ORF17	NM_024293.2	1.75	0.81	11.51	10.7	1.71E-09	2.79E-08
ILMN_1810628	KIAA0367	NM_015225.1	2.08	1.06	13.23	12.17	1.77E-09	2.89E-08
ILMN_1658494	RGC32	NM_014059.1	2.25	1.17	9.9	8.72	1.78E-09	0.000000029
ILMN_1729095	PDZK3	NM_178140.1	3.05	1.61	9.13	7.52	1.78E-09	0.000000029
ILMN_2081398	KIF3B	NM_004798.2	1.61	0.69	12.38	11.69	1.79E-09	2.91E-08
ILMN_1716733	MYOM2	NM_003970.1	1.85	0.89	10.65	9.77	1.8E-09	2.92E-08
ILMN_1784217	SOX15	NM_006942.1	2.50	1.32	10.49	9.17	1.81E-09	2.93E-08
ILMN_1788149	NEK11	NM_024800.2	2.07	1.05	10.62	9.57	1.84E-09	2.98E-08
ILMN_1735548	HIVEP1	NM_002114.1	2.41	1.27	10.15	8.88	1.9E-09	3.08E-08
ILMN_1691648	TRO	NM_177557.1	2.45	1.29	10.72	9.42	1.9E-09	3.08E-08
ILMN_1749244	LOC57149	NM_020424.2	1.96	0.97	13.37	12.4	1.91E-09	3.09E-08
ILMN_1766914	MFAP4	NM_002404.1	2.53	1.34	10.94	9.6	1.94E-09	3.13E-08
ILMN_1676728	EGFL9	NM_023932.2	2.14	1.1	11	9.9	1.98E-09	3.19E-08
ILMN_1655720	CNNM4	NM_020184.2	2.69	1.43	9.75	8.32	1.99E-09	3.21E-08
ILMN_1761684	WNK2	NM_006648.3	3.97	1.99	9.47	7.48	2.01E-09	3.24E-08
ILMN_2375002	MAP4K4	NM_145687.2	1.87	0.9	13.28	12.38	2.04E-09	3.27E-08

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ILMN_1754921	FAM43B	NM_207334.1	2.01	1.01	10.9	9.89	2.06E-09	0.000000033
ILMN_1713454	ZNF671	NM_024833.1	1.78	0.83	12.03	11.21	2.1E-09	3.36E-08
ILMN_1694174	TRIM68	NM_018073.5	1.89	0.92	11.42	10.5	2.14E-09	3.42E-08
ILMN_2347298	TSPYL2	NM_022117.1	3.18	1.67	10.86	9.19	2.16E-09	3.45E-08
ILMN_2328666	CD83	NM_004233.3	1.95	0.96	10.19	9.23	2.2E-09	0.000000035
ILMN_1708041	PLEKHF1	NM_024310.2	2.14	1.1	10.35	9.25	2.2E-09	0.000000035
ILMN_1675947	MT3	NM_005954.2	2.30	1.2	13.67	12.47	2.2E-09	0.000000035
ILMN_1727992	FEZ1	NM_022549.2	1.77	0.82	13.5	12.67	2.29E-09	3.63E-08
ILMN_1708009	LANCL2	NM_018697.3	1.83	0.87	12.06	11.19	2.32E-09	3.66E-08
ILMN_1682015	GAL	NM_015973.2	3.05	1.61	8.72	7.11	2.34E-09	3.69E-08
ILMN_1795228	ZA20D2	NM_006007.1	1.83	0.87	14.82	13.96	2.39E-09	3.76E-08
ILMN_2110271	OLFM2	NM_058164.1	2.66	1.41	10.28	8.87	2.42E-09	3.81E-08
ILMN_1770850	PNMA1	NM_006029.4	1.72	0.78	12.84	12.05	2.45E-09	3.85E-08
ILMN_2120210	DSCR1L1	NM_005822.2	1.78	0.83	12.43	11.59	2.48E-09	3.88E-08
ILMN_1761464	CD74	NM_001025159.1	2.85	1.51	9.43	7.92	2.48E-09	3.89E-08
ILMN_2292646	GAD1	NM_000817.2	1.95	0.96	13.9	12.94	2.49E-09	0.000000039
ILMN_2163819	KIF21B	NM_017596.2	3.29	1.72	10.45	8.73	2.49E-09	0.000000039
ILMN_1775734	SH2D3C	NM_170600.1	2.85	1.51	8.91	7.4	2.58E-09	4.03E-08
ILMN_1761941	C4ORF18	NM_016613.4	3.61	1.85	10.3	8.45	2.72E-09	4.22E-08
ILMN_1779648	HIST3H2A	NM_033445.2	2.38	1.25	12.03	10.77	2.75E-09	4.26E-08
ILMN_2195482	CACNB3	NM_000725.2	1.77	0.82	12.84	12.02	2.76E-09	4.28E-08
ILMN_1722718	BMP2	NM_001200.1	2.19	1.13	10.03	8.9	2.85E-09	4.41E-08
ILMN_1696657	LRRN5	NM_006338.2	1.87	0.9	12.71	11.8	2.85E-09	4.41E-08
ILMN_1769140	KIAA1958	NM_133465.1	2.35	1.23	10.32	9.08	2.9E-09	4.47E-08
ILMN_2395055	ATPAF1	NM_001042546.1	1.65	0.72	11.8	11.08	2.92E-09	0.000000045
ILMN_2186061	PFKFB3	NM_004566.2	1.92	0.94	14.39	13.45	2.93E-09	4.52E-08
ILMN_2406410	RHBDD2	NM_001040456.1	1.68	0.75	14.15	13.4	2.99E-09	4.59E-08
ILMN_1811702	GRN	NM_001012479.1	1.73	0.79	12.36	11.57	3.04E-09	4.66E-08
ILMN_1746673	3-SEP	NM_019106.4	2.73	1.45	14.38	12.92	3.05E-09	4.67E-08
ILMN_1680507	PPP2R2C	NM_181876.2	1.92	0.94	8.3	7.36	3.09E-09	4.73E-08
ILMN_1743204	DUSP8	NM_004420.1	2.10	1.07	10.23	9.16	3.13E-09	4.78E-08
ILMN_1740842	SALL2	NM_005407.1	1.78	0.83	13.42	12.58	3.19E-09	4.87E-08
ILMN_2139761	DKFZP686A	NM_014988.1	2.48	1.31	12.7	11.39	3.19E-09	4.87E-08
ILMN_1779071	FEZ1	NM_005103.3	1.79	0.84	15	14.17	3.2E-09	4.87E-08
ILMN_2331062	CBFA2T2	NM_005093.3	2.45	1.29	10.52	9.23	3.2E-09	4.87E-08
ILMN_1808824	NEBL	NM_006393.1	2.66	1.41	9.79	8.38	3.26E-09	4.96E-08
ILMN_1770085	BTG2	NM_006763.2	1.84	0.88	12.11	11.24	3.26E-09	4.96E-08
ILMN_1795893	C1ORF119	NM_020141.3	1.79	0.84	12.41	11.57	3.28E-09	4.98E-08
ILMN_1677765	LRP8	NM_033300.2	1.64	0.71	12.07	11.36	3.33E-09	5.04E-08
ILMN_2361807	OS9	NM_006812.2	1.77	0.82	10.84	10.02	3.35E-09	5.08E-08
ILMN_1697189	PNCK	NM_198452.1	2.03	1.02	10.99	9.97	3.4E-09	5.15E-08
ILMN_1800626	SESN1	NM_014454.1	1.91	0.93	11.58	10.66	3.4E-09	5.15E-08
ILMN_1802316	SMPD3	NM_018667.2	3.86	1.95	9.96	8.01	3.46E-09	5.23E-08

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ILMN_1663986	MAGI3	NM_020965.2	2.11	1.08	10.48	9.39	3.55E-09	5.36E-08
ILMN_1792508	TMEM59	NM_004872.3	1.88	0.91	14.97	14.06	3.63E-09	5.46E-08
ILMN_2106227	KIAA2026	NM_001017969.1	2.28	1.19	11.62	10.43	3.7E-09	5.57E-08
ILMN_1699772	RRAGD	NM_021244.2	1.96	0.97	13.62	12.65	3.71E-09	5.57E-08
ILMN_1674038	CTSD	NM_001909.3	1.79	0.84	12.48	11.64	3.71E-09	5.57E-08
ILMN_2308338	BMF	NM_001003943.1	2.43	1.28	9.04	7.75	3.76E-09	5.65E-08
ILMN_2160764	HBP1	NM_012257.3	1.67	0.74	11.7	10.96	3.77E-09	5.65E-08
ILMN_1678191	GDF10	NM_004962.2	2.99	1.58	8.93	7.35	3.81E-09	0.000000057
ILMN_1676905	TIGD7	NM_033208.2	1.65	0.72	11.2	10.49	3.82E-09	5.72E-08
ILMN_1744118	ASTN2	NM_014010.3	2.50	1.32	11.42	10.1	3.84E-09	5.74E-08
ILMN_1652128	LMBRD1	NM_018368.2	1.95	0.96	13.2	12.24	3.84E-09	5.74E-08
ILMN_1741688	CPXM2	NM_198148.1	1.87	0.9	8.68	7.78	3.84E-09	5.74E-08
ILMN_1711092	KCNB1	NM_004975.2	2.35	1.23	8.77	7.54	3.87E-09	5.77E-08
ILMN_2337974	PKIA	NM_181839.1	1.92	0.94	13.15	12.21	3.94E-09	5.86E-08
ILMN_1718766	MT1F	NM_005949.1	2.28	1.19	13.15	11.96	3.94E-09	5.86E-08
ILMN_1716875	CTNND2	NM_001332.2	1.72	0.78	11.46	10.68	4E-09	5.95E-08
ILMN_1810274	HOXB2	NM_002145.2	2.31	1.21	8.31	7.1	4.05E-09	6.01E-08
ILMN_1784110	PCTK3	NM_212503.1	2.31	1.21	9.06	7.86	4.12E-09	6.11E-08
ILMN_1747577	ALAD	NM_001003945.1	1.99	0.99	12.36	11.37	4.13E-09	6.13E-08
ILMN_1778333	MMP24	NM_006690.3	2.58	1.37	10.11	8.74	4.15E-09	6.14E-08
ILMN_1682316	TRIM33	NM_033020.2	1.78	0.83	12.88	12.05	4.16E-09	6.15E-08
ILMN_1706590	MLLT1	NM_005934.2	3.01	1.59	9.92	8.33	4.17E-09	6.16E-08
ILMN_1746578	SLC23A2	NM_005116.5	1.83	0.87	11.21	10.34	4.32E-09	6.37E-08
ILMN_2397024	SPOP	NM_001007230.1	1.66	0.73	13.72	12.99	4.35E-09	0.000000064
ILMN_1780582	CD83	NM_004233.2	1.75	0.81	10.54	9.73	4.41E-09	6.49E-08
ILMN_1765606	YAF2	NM_001012424.1	2.00	1	10.81	9.8	4.42E-09	6.49E-08
ILMN_1687315	RXRA	NM_002957.3	1.64	0.71	12.21	11.51	4.6E-09	6.72E-08
ILMN_1744003	SLC44A5	NM_152697.2	2.73	1.45	10.01	8.56	4.61E-09	6.74E-08
ILMN_1767842	SLC17A8	NM_139319.1	2.89	1.53	8.62	7.09	4.62E-09	6.74E-08
ILMN_1735779	KCNJ8	NM_004982.2	1.74	0.8	11.48	10.68	4.67E-09	6.81E-08
ILMN_1768812	FXYD6	NM_022003.1	1.66	0.73	14.54	13.81	4.77E-09	6.94E-08
ILMN_2225956	FLJ31659	NM_153027.1	2.06	1.04	9.23	8.2	4.82E-09	0.00000007
ILMN_1793859	ALDH2	NM_000690.2	1.69	0.76	12.86	12.1	4.83E-09	7.01E-08
ILMN_1675939	IFNGR1	NM_000416.1	1.68	0.75	12.36	11.61	4.84E-09	7.01E-08
ILMN_2226304	ANKRD50	NM_020337.1	2.20	1.14	11.46	10.32	4.86E-09	7.05E-08
ILMN_1717393	PTCHD1	NM_173495.1	2.03	1.02	10.23	9.21	5.02E-09	7.25E-08
ILMN_1675927	NEBL	NM_213569.1	1.92	0.94	8.39	7.45	5.03E-09	7.27E-08
ILMN_1752012	KCND3	NM_004980.3	2.62	1.39	9.74	8.36	5.09E-09	7.33E-08
ILMN_1695061	KIAA1409	NM_020818.2	3.61	1.85	9.64	7.79	5.13E-09	7.37E-08
ILMN_2383807	CALB2	NM_007088.1	3.14	1.65	9.82	8.17	5.13E-09	7.38E-08
ILMN_1718295	STAC2	NM_198993.2	2.73	1.45	9.84	8.39	5.14E-09	7.38E-08
ILMN_1651964	ABCC5	NM_001023587.1	1.84	0.88	11.84	10.96	5.15E-09	7.39E-08
ILMN_1674778	ATP6V1G2	NM_130463.2	2.01	1.01	11	9.99	5.17E-09	7.42E-08

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ILMN_1740319	FAM14A	NM_032036.2	1.78	0.83	11.34	10.51	5.18E-09	7.42E-08
ILMN_2155816	DIRAS2	NM_017594.3	2.79	1.48	9.18	7.71	5.19E-09	7.44E-08
ILMN_1813430	RNF36	NM_080745.2	2.23	1.16	9.94	8.79	5.23E-09	7.49E-08
ILMN_1668863	LYPD1	NM_144586.3	1.85	0.89	11.3	10.41	5.32E-09	0.000000076
ILMN_1814315	PBXIP1	NM_020524.2	2.01	1.01	10.1	9.09	5.32E-09	0.000000076
ILMN_2415235	CSNK1E	NM_152221.2	1.72	0.78	14.57	13.79	5.37E-09	7.65E-08
ILMN_1720829	ZFP36	NM_003407.1	1.92	0.94	11.36	10.42	5.39E-09	7.68E-08
ILMN_2337856	KCND3	NM_172198.1	1.87	0.9	9.06	8.16	5.4E-09	7.69E-08
ILMN_1724139	TMEM123	NM_052932.1	1.72	0.78	14.43	13.64	5.43E-09	7.73E-08
ILMN_1789244	SOX8	NM_014587.2	1.74	0.8	14.56	13.76	5.45E-09	7.75E-08
ILMN_2199313	NPDC1	NM_015392.2	2.00	1	11.85	10.85	5.45E-09	7.75E-08
ILMN_1805842	FHL1	NM_001449.3	1.64	0.71	12.95	12.23	5.46E-09	7.76E-08
ILMN_1745223	CDC42EP4	NM_012121.4	2.01	1.01	14.96	13.95	5.49E-09	7.79E-08
ILMN_1748983	RTN4	NM_007008.2	2.38	1.25	9.68	8.43	5.49E-09	7.79E-08
ILMN_1802611	SPEN	NM_015001.2	2.03	1.02	12.77	11.75	5.53E-09	7.84E-08
ILMN_1801146	MMP17	NM_016155.3	2.55	1.35	8.77	7.42	5.54E-09	7.85E-08
ILMN_2358134	ADAMTS14	NM_139155.2	2.99	1.58	9.61	8.03	5.61E-09	7.94E-08
ILMN_1791593	MGC24039	NM_144973.2	1.73	0.79	13.13	12.34	5.66E-09	0.00000008
ILMN_1741356	PRICKLE1	NM_153026.1	2.20	1.14	10.91	9.78	5.7E-09	8.06E-08
ILMN_1707695	IFIT1	NM_001548.2	1.96	0.97	10.62	9.65	5.75E-09	8.11E-08
ILMN_2396198	APLP1	NM_005166.3	2.50	1.32	10.45	9.13	5.75E-09	8.11E-08
ILMN_2399036	SEPN1	NM_020451.2	1.84	0.88	12.2	11.31	5.81E-09	8.19E-08
ILMN_1813503	SEMA6C	NM_030913.3	2.23	1.16	10.72	9.56	5.85E-09	8.23E-08
ILMN_1762972	CHD9	NM_025134.3	2.10	1.07	13	11.93	5.87E-09	8.25E-08
ILMN_1737211	ZNF585A	NM_199126.1	1.88	0.91	10.63	9.73	5.9E-09	8.29E-08
ILMN_2234187	CDO1	NM_001801.2	3.01	1.59	12.33	10.74	5.97E-09	8.37E-08
ILMN_2380938	SYT7	NM_004200.2	2.87	1.52	9.63	8.11	6.02E-09	8.44E-08
ILMN_2235679	ARHGEF7	NM_145735.1	3.29	1.72	9.38	7.66	6.03E-09	8.45E-08
ILMN_1659845	KIAA0355	NM_014686.2	1.75	0.81	12.55	11.74	6.09E-09	8.52E-08
ILMN_1808011	FAM46B	NM_052943.2	1.89	0.92	11.18	10.26	6.09E-09	8.52E-08
ILMN_2363744	PACRG	NM_001080379.1	2.55	1.35	10.29	8.94	6.11E-09	8.54E-08
ILMN_2089977	FKBP9L	NM_182827.1	1.75	0.81	13.11	12.3	6.17E-09	8.62E-08
ILMN_1653042	HSD3B7	NM_025193.2	2.33	1.22	9.4	8.18	6.22E-09	8.68E-08
ILMN_1694466	ZBED1	NM_004729.3	1.68	0.75	13.43	12.67	6.28E-09	8.76E-08
ILMN_1683211	CSPG3	NM_004386.1	2.35	1.23	14.1	12.87	6.4E-09	8.91E-08
ILMN_1712684	FAM20C	NM_020223.1	2.04	1.03	12.55	11.52	6.45E-09	8.97E-08
ILMN_2361643	RRAGB	NM_006064.3	1.95	0.96	10.86	9.9	6.46E-09	8.98E-08
ILMN_2078975	GRM3	NM_000840.2	2.10	1.07	8.48	7.42	6.59E-09	9.16E-08
ILMN_2384807	LRRCC1	NM_033402.2	1.84	0.88	11.89	11.01	6.64E-09	9.21E-08
ILMN_1701653	ASCL1	NM_004316.2	1.61	0.69	14.01	13.33	6.65E-09	9.22E-08
ILMN_1676649	AQP4	NM_001650.4	2.30	1.2	11.8	10.6	6.66E-09	9.22E-08
ILMN_1687546	HSP90AA1	NM_001017963.1	2.16	1.11	9.85	8.73	6.67E-09	9.23E-08
ILMN_2360415	PRNP	NM_183079.2	1.61	0.69	13.96	13.27	6.7E-09	9.26E-08

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ILMN_1785635	BRD3	NM_007371.2	2.01	1.01	13.02	12.01	6.73E-09	0.000000093
ILMN_2379644	CD74	NM_004355.2	3.43	1.78	10.75	8.98	6.76E-09	9.33E-08
ILMN_2163070	C6ORF148	NM_030568.3	2.06	1.04	10.03	8.99	6.77E-09	9.34E-08
ILMN_1771987	SLC44A2	NM_020428.2	1.80	0.85	14.05	13.2	6.81E-09	9.39E-08
ILMN_1720606	LRCH2	NM_020871.2	1.87	0.9	11.54	10.64	6.97E-09	0.000000096
ILMN_1710209	FLJ20160	NM_017694.2	2.36	1.24	10.11	8.87	6.99E-09	9.62E-08
ILMN_2339748	RNF13	NM_183381.1	1.79	0.84	12	11.16	7.1E-09	9.77E-08
ILMN_1669382	CPLX2	NM_006650.3	3.56	1.83	9.48	7.66	7.28E-09	9.96E-08
ILMN_1756999	RBL2	NM_005611.2	1.82	0.86	12.19	11.33	7.28E-09	9.96E-08
ILMN_1719695	NFKBIZ	NM_001005474.1	1.88	0.91	11.59	10.68	7.39E-09	0.000000101
ILMN_2259633	MLL5	NM_182931.2	1.77	0.82	11.49	10.67	7.48E-09	0.000000102
ILMN_1814573	FLJ11171	NM_018348.4	1.99	0.99	11.64	10.66	7.49E-09	0.000000102
ILMN_2131293	LOC200810	NM_001015050.1	2.27	1.18	9.2	8.02	7.5E-09	0.000000102
ILMN_2390974	DNAJB2	NM_006736.5	1.55	0.63	13.68	13.04	7.53E-09	0.000000103
ILMN_2062271	CDK5R1	NM_003885.2	3.71	1.89	10.27	8.38	7.62E-09	0.000000104
ILMN_2050023	CCDC23	NM_199342.1	2.00	1	13.46	12.46	7.67E-09	0.000000104
ILMN_1765208	GLUL	NM_001033056.1	2.33	1.22	9.6	8.38	8E-09	0.000000108
ILMN_1759563	NRIP3	NM_020645.1	1.80	0.85	10.72	9.87	8.06E-09	0.000000109
ILMN_1712023	SLC8A3	NM_183002.1	2.30	1.2	8.55	7.36	8.1E-09	0.00000011
ILMN_1708983	CASC1	NM_018272.2	2.48	1.31	9.36	8.04	8.11E-09	0.00000011
ILMN_1695382	TSC22D3	NM_001015881.1	2.48	1.31	8.76	7.45	8.31E-09	0.000000112
ILMN_1676528	BTN3A2	NM_007047.3	2.00	1	9.99	8.99	8.42E-09	0.000000114
ILMN_1672004	TOB1	NM_005749.2	1.91	0.93	12.05	11.12	8.48E-09	0.000000114
ILMN_1717934	SYT11	NM_152280.2	1.62	0.7	15.76	15.07	8.52E-09	0.000000115
ILMN_1695311	HLA-DMA	NM_006120.2	2.62	1.39	11.41	10.02	8.69E-09	0.000000117
ILMN_1729749	HERC5	NM_016323.1	2.28	1.19	9.25	8.07	8.7E-09	0.000000117
ILMN_2344182	TMTC4	NM_032813.1	2.45	1.29	11.45	10.16	8.7E-09	0.000000117
ILMN_1669516	ZNF193	NM_006299.2	1.78	0.83	11.72	10.88	8.74E-09	0.000000117
ILMN_1686748	TMEM9	NM_016456.2	1.67	0.74	12.48	11.74	8.91E-09	0.000000119
ILMN_1762294	TSRC1	NM_025008.2	2.08	1.06	8.46	7.41	8.97E-09	0.00000012
ILMN_1734380	DPF3	NM_012074.1	1.71	0.77	11.33	10.56	9.1E-09	0.000000122
ILMN_1735463	FLJ20433	NM_017820.2	2.17	1.12	9.39	8.27	9.13E-09	0.000000122
ILMN_1703565	GLTSCR2	NM_015710.3	1.62	0.7	14.71	14.01	9.19E-09	0.000000123
ILMN_1724145	CBX4	NM_003655.2	1.83	0.87	11.34	10.47	9.21E-09	0.000000123
ILMN_1718896	CNTN2	NM_005076.2	2.91	1.54	9.75	8.21	9.41E-09	0.000000125
ILMN_1676946	AP3M2	NM_006803.2	1.73	0.79	12.54	11.75	9.44E-09	0.000000126
ILMN_2352574	ZNF274	NM_016324.2	1.69	0.76	10.56	9.8	9.5E-09	0.000000126
ILMN_1733746	REEP1	NM_022912.1	1.66	0.73	12.54	11.81	9.53E-09	0.000000126
ILMN_1731640	MGC39900	XM_936687.1	2.23	1.16	13.77	12.61	9.59E-09	0.000000127
ILMN_2072541	RAB11FIP2	NM_014904.1	1.58	0.66	11.24	10.59	9.79E-09	0.00000013
ILMN_1789596	ETV6	NM_001987.3	1.67	0.74	11.45	10.71	9.86E-09	0.00000013
ILMN_1742358	CA14	NM_012113.1	1.56	0.64	11.67	11.04	9.87E-09	0.00000013
ILMN_1707553	FAM59A	NM_022751.1	1.96	0.97	9.71	8.74	9.96E-09	0.000000131

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ILMN_1715647	VANGL2	NM_020335.1	1.92	0.94	13.17	12.23	9.98E-09	0.000000132
ILMN_1807455	DHRS7	NM_016029.1	1.54	0.62	13.46	12.84	1.01E-08	0.000000133
ILMN_1756417	ANKRD37	NM_181726.1	1.82	0.86	10.44	9.58	1.01E-08	0.000000133
ILMN_1736901	ZDHHC23	NM_173570.2	2.45	1.29	9.38	8.09	1.02E-08	0.000000134
ILMN_2133675	SGSH	NM_000199.2	1.72	0.78	12.98	12.2	1.03E-08	0.000000135
ILMN_1762095	TMTC4	NM_032813.1	1.97	0.98	11.51	10.54	1.05E-08	0.000000137
ILMN_1808500	CEP68	NM_015147.1	1.75	0.81	11.31	10.5	1.06E-08	0.000000138
ILMN_1812031	PALM	NM_002579.1	1.75	0.81	13.68	12.88	1.06E-08	0.000000138
ILMN_1745887	FBXO21	NM_015002.2	1.54	0.62	13.86	13.24	1.07E-08	0.00000014
ILMN_2043265	ZFP106	NM_022473.1	1.92	0.94	13.48	12.54	1.08E-08	0.00000014
ILMN_1689774	MRFAP1L1	NM_152301.3	1.52	0.6	14.07	13.47	1.08E-08	0.000000141
ILMN_1687751	BAALC	NM_001024372.1	1.61	0.69	14.35	13.67	1.08E-08	0.000000141
ILMN_1731062	NPY	NM_000905.2	1.72	0.78	14.75	13.96	1.09E-08	0.000000141
ILMN_1755383	LRRC1	NM_018214.3	1.74	0.8	11.2	10.4	1.09E-08	0.000000142
ILMN_1674817	C1ORF115	NM_024709.2	2.14	1.1	9.67	8.56	1.11E-08	0.000000144
ILMN_1654566	HSPA1L	NM_005527.2	1.74	0.8	10.54	9.74	1.11E-08	0.000000144
ILMN_1682928	CPVL	NM_031311.2	1.80	0.85	11.93	11.07	1.12E-08	0.000000145
ILMN_2111229	BZRAP1	NM_004758.1	2.50	1.32	9.21	7.89	1.12E-08	0.000000145
ILMN_1780444	ARL3	NM_004311.2	1.72	0.78	12.19	11.41	1.13E-08	0.000000147
ILMN_2189222	KLHL8	NM_020803.3	1.69	0.76	11.85	11.08	1.14E-08	0.000000148
ILMN_1748812	TMEM130	NM_152913.1	2.20	1.14	8.6	7.46	1.15E-08	0.000000148
ILMN_1684554	COL16A1	NM_001856.2	2.20	1.14	10.33	9.18	1.15E-08	0.000000149
ILMN_1694810	PANX2	NM_052839.2	1.84	0.88	10.52	9.65	1.15E-08	0.000000149
ILMN_2334760	ARMCX3	NM_177947.2	1.77	0.82	12.27	11.45	1.16E-08	0.000000149
ILMN_2094294	NR2E1	NM_003269.2	2.77	1.47	11.22	9.75	1.16E-08	0.00000015
ILMN_1720595	MDGA1	NM_153487.2	1.80	0.85	10.96	10.11	1.17E-08	0.000000151
ILMN_2094875	ABCB1	NM_000927.3	3.05	1.61	10.53	8.92	1.21E-08	0.000000156
ILMN_2228938	ECM2	NM_001393.2	3.10	1.63	9.94	8.3	1.21E-08	0.000000156
ILMN_1660995	AMH	NM_000479.2	2.48	1.31	9.79	8.48	1.22E-08	0.000000156
ILMN_1681846	ZNF540	NM_152606.2	2.27	1.18	8.9	7.71	1.22E-08	0.000000156
ILMN_2148459	B2M	NM_004048.2	2.04	1.03	14.37	13.34	1.22E-08	0.000000157
ILMN_1710522	RUNX1T1	NM_175635.1	2.87	1.52	9.47	7.95	1.22E-08	0.000000157
ILMN_2403237	CHN2	NM_004067.1	1.69	0.76	10.36	9.6	1.23E-08	0.000000158
ILMN_1742578	MKLN1	NM_013255.3	1.72	0.78	12.82	12.05	1.25E-08	0.00000016
ILMN_2118663	ERV3	NM_001007253.1	2.43	1.28	9.65	8.37	1.26E-08	0.000000161
ILMN_2111237	MN1	NM_002430.2	2.93	1.55	10.56	9.02	1.28E-08	0.000000163
ILMN_1770548	CLASP2	NM_015097.1	2.35	1.23	12.17	10.94	1.32E-08	0.000000168
ILMN_2087629	NOL4	NM_003787.1	2.69	1.43	10.7	9.27	1.32E-08	0.000000169
ILMN_1729180	GATM	NM_001482.1	1.66	0.73	11.47	10.74	1.33E-08	0.000000169
ILMN_1723480	BST2	NM_004335.2	2.36	1.24	10.02	8.78	1.35E-08	0.000000172
ILMN_1704164	ATP13A2	NM_022089.1	1.78	0.83	10.65	9.82	1.37E-08	0.000000173
ILMN_1773117	BCOR	NM_017745.4	2.58	1.37	11.49	10.12	1.37E-08	0.000000174
ILMN_2372398	ALDH5A1	NM_001080.3	2.30	1.2	11.66	10.47	1.38E-08	0.000000174

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ILMN_1660864	RHBDL1	NM_003961.1	2.38	1.25	9.96	8.71	1.39E-08	0.000000176
ILMN_1735155	GLB1	NM_000404.1	1.53	0.61	13.21	12.61	1.39E-08	0.000000176
ILMN_2187533	FAM130A1	NM_030809.1	1.61	0.69	11.84	11.15	1.4E-08	0.000000177
ILMN_1743456	ZCCHC14	NM_015144.1	1.80	0.85	12.35	11.49	1.44E-08	0.000000181
ILMN_1713807	MAN1C1	NM_020379.1	2.00	1	13.59	12.59	1.45E-08	0.000000182
ILMN_2411282	QSCN6	NM_001004128.2	1.75	0.81	11.75	10.94	1.47E-08	0.000000184
ILMN_1806782	ZNF235	NM_004234.3	2.07	1.05	10.26	9.21	1.47E-08	0.000000185
ILMN_1666493	CCR10	NM_016602.1	1.89	0.92	8.7	7.78	1.5E-08	0.000000188
ILMN_1725644	UBE2D2	NM_003339.2	1.65	0.72	11.6	10.87	1.5E-08	0.000000188
ILMN_1742547	NRP1	NM_001024629.1	1.58	0.66	11	10.34	1.51E-08	0.000000189
ILMN_1772261	GLG1	NM_012201.4	1.85	0.89	14.43	13.54	1.52E-08	0.00000019
ILMN_2229214	STOX1	NM_152709.3	3.23	1.69	10.24	8.56	1.52E-08	0.00000019
ILMN_1788251	SNN	NM_003498.3	1.97	0.98	11.32	10.34	1.53E-08	0.000000191
ILMN_1681984	GALNT10	NM_198321.2	2.27	1.18	11.5	10.32	1.54E-08	0.000000192
ILMN_2230862	GYG1	NM_004130.2	1.58	0.66	13.19	12.53	1.56E-08	0.000000194
ILMN_1807540	CBARA1	NM_006077.1	1.72	0.78	12.18	11.4	1.57E-08	0.000000195
ILMN_1697153	ZDHHC17	NM_015336.1	1.87	0.9	11.76	10.87	1.57E-08	0.000000195
ILMN_2350122	TRIM13	NM_001007278.1	1.95	0.96	11.05	10.09	1.58E-08	0.000000196
ILMN_1773307	NAP1L5	NM_153757.1	1.62	0.7	11.03	10.33	1.58E-08	0.000000196
ILMN_1796063	TRIM44	NM_017583.3	1.69	0.76	12.94	12.18	1.6E-08	0.000000198
ILMN_1697491	FLJ14213	NM_024841.2	1.96	0.97	10.87	9.91	1.61E-08	0.000000199
ILMN_1728256	SPAG9	NM_172345.1	1.89	0.92	12.17	11.24	1.64E-08	0.000000203
ILMN_2353129	EYA2	NM_005244.3	2.69	1.43	9.63	8.19	1.66E-08	0.000000205
ILMN_1762103	WDR48	NM_020839.2	1.72	0.78	13.01	12.23	1.68E-08	0.000000207
ILMN_1779182	TMEM98	NM_015544.2	1.55	0.63	13.97	13.34	1.68E-08	0.000000207
ILMN_2305225	NDRG4	NM_022910.1	1.69	0.76	14.56	13.8	1.7E-08	0.000000209
ILMN_1700915	PCGF4	NM_005180.5	1.68	0.75	12.85	12.1	1.7E-08	0.000000209
ILMN_1660193	ZNF529	NM_020951.1	1.72	0.78	11.14	10.36	1.71E-08	0.00000021
ILMN_2368068	TCF20	NM_181492.1	1.56	0.64	11.79	11.14	1.71E-08	0.00000021
ILMN_1681737	TMSL8	NM_021992.2	2.50	1.32	14.62	13.3	1.71E-08	0.00000021
ILMN_2189027	LIPG	NM_006033.2	1.73	0.79	13.03	12.24	1.72E-08	0.000000211
ILMN_1737283	MGC39900	NM_194324.1	2.19	1.13	13.75	12.62	1.74E-08	0.000000213
ILMN_1791483	PDE4D	NM_006203.3	2.10	1.07	10.75	9.68	1.74E-08	0.000000214
ILMN_1768480	VGLL4	NM_014667.1	1.54	0.62	13.79	13.17	1.77E-08	0.000000216
ILMN_2158705	ACYP2	NM_138448.2	1.97	0.98	12.19	11.21	1.78E-08	0.000000217
ILMN_1741440	SLC35A1	NM_006416.2	1.83	0.87	11.83	10.96	1.78E-08	0.000000218
ILMN_2387214	PALM	NM_002579.2	1.92	0.94	11.79	10.86	1.79E-08	0.000000218
ILMN_1692191	LOC653133	XM_926881.1	2.11	1.08	12.4	11.32	1.79E-08	0.000000218
ILMN_1785202	STAT4	NM_003151.2	2.23	1.16	8.71	7.55	1.79E-08	0.000000219
ILMN_1812096	IGSF4C	NM_145296.1	1.80	0.85	12.77	11.92	1.8E-08	0.000000219
ILMN_1749077	RIC3	NM_024557.2	2.30	1.2	9.52	8.32	1.82E-08	0.000000222
ILMN_1752579	ATP6V0A1	NM_005177.2	1.77	0.82	13.27	12.44	1.84E-08	0.000000223
ILMN_1667319	LPPR2	NM_022737.1	1.58	0.66	11.35	10.7	1.86E-08	0.000000226

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ILMN_1715789	DOCK1	NM_001380.2	1.95	0.96	11.62	10.66	1.87E-08	0.000000226
ILMN_1722673	PCDHB4	NM_018938.2	2.69	1.43	9.88	8.45	1.87E-08	0.000000227
ILMN_1718712	C20ORF177	NM_022106.1	1.73	0.79	12.6	11.81	1.92E-08	0.000000232
ILMN_2234412	TLE3	NM_005078.1	2.71	1.44	9.19	7.75	1.94E-08	0.000000235
ILMN_1673370	FBXL5	NM_012161.2	1.59	0.67	10.89	10.22	1.95E-08	0.000000236
ILMN_1764827	MRFAP1L1	NM_152301.3	1.71	0.77	10.17	9.41	1.96E-08	0.000000236
ILMN_1809437	RHBDD2	NM_020684.2	1.57	0.65	14.22	13.57	1.98E-08	0.000000239
ILMN_1758924	LRFN2	NM_020737.1	2.43	1.28	8.48	7.2	1.99E-08	0.00000024
ILMN_1687501	MOXD1	NM_015529.1	1.74	0.8	14.67	13.87	2.02E-08	0.000000243
ILMN_1777519	ITGB7	NM_000889.1	2.36	1.24	8.46	7.22	2.03E-08	0.000000244
ILMN_2341548	MYO5B	NM_001080467.1	2.99	1.58	10.43	8.85	2.06E-08	0.000000247
ILMN_2411864	PHACTR3	NM_183246.1	2.22	1.15	8.61	7.46	2.1E-08	0.000000252
ILMN_1790352	PIGZ	NM_025163.2	2.01	1.01	9.61	8.6	2.11E-08	0.000000253
ILMN_2354478	CYFIP2	NM_001037333.1	1.72	0.78	12.35	11.57	2.12E-08	0.000000254
ILMN_1802053	ZNF91	NM_003430.1	4.47	2.16	12.44	10.28	2.13E-08	0.000000255
ILMN_2161556	C12ORF49	NM_024738.1	1.67	0.74	11.15	10.4	2.15E-08	0.000000258
ILMN_1765523	TOLLIP	NM_019009.2	1.79	0.84	11.12	10.28	2.17E-08	0.000000259
ILMN_1653711	FZD2	NM_001466.2	1.61	0.69	12.51	11.81	2.2E-08	0.000000262
ILMN_1760890	SEPN1	NM_206926.1	2.13	1.09	14.39	13.3	2.2E-08	0.000000262
ILMN_1676998	SCN2B	NM_004588.3	2.73	1.45	10.06	8.61	2.21E-08	0.000000263
ILMN_1762766	PTPRA	NM_080841.2	1.59	0.67	12.5	11.83	2.21E-08	0.000000263
ILMN_2076940	C1ORF149	NM_022756.3	1.61	0.69	11.22	10.54	2.26E-08	0.000000268
ILMN_1738075	CMIP	NM_030629.1	1.62	0.7	13.5	12.8	2.27E-08	0.00000027
ILMN_1730794	SERTAD4	NM_019605.2	2.38	1.25	9.25	8	2.28E-08	0.000000271
ILMN_1702789	KNDC1	NM_152643.5	2.08	1.06	8.76	7.7	2.3E-08	0.000000273
ILMN_1694426	ROR2	NM_004560.2	1.87	0.9	8.4	7.49	2.35E-08	0.000000278
ILMN_2264625	NIPBL	NM_133433.2	1.68	0.75	11.53	10.78	2.37E-08	0.00000028
ILMN_1693242	ZNF342	NM_145288.1	1.67	0.74	8.96	8.22	2.42E-08	0.000000285
ILMN_1676241	BCOR	NM_020926.2	1.96	0.97	8.78	7.81	2.42E-08	0.000000286
ILMN_1768505	IL13RA1	NM_001560.2	1.74	0.8	12.35	11.55	2.43E-08	0.000000286
ILMN_1757230	ZNF250	NM_021061.1	1.72	0.78	10.97	10.19	2.43E-08	0.000000287
ILMN_1717477	PSD3	NM_206909.1	2.13	1.09	12.33	11.25	2.5E-08	0.000000293
ILMN_1761093	B3GAT1	NM_054025.1	1.93	0.95	12.93	11.97	2.57E-08	0.000000301
ILMN_1739885	SLC41A3	NM_001008485.1	1.82	0.86	12.57	11.71	2.58E-08	0.000000302
ILMN_1758497	TTYH1	NM_020659.2	1.61	0.69	14.52	13.83	2.6E-08	0.000000304
ILMN_2359601	CAMK2G	NM_172172.1	1.73	0.79	10.68	9.89	2.62E-08	0.000000306
ILMN_1810335	DGKB	NM_004080.1	2.83	1.5	9.14	7.63	2.65E-08	0.000000309
ILMN_1745116	C20ORF22	NM_015600.2	1.58	0.66	11.27	10.61	2.69E-08	0.000000313
ILMN_1774427	CALCOCO1	NM_020898.1	2.04	1.03	10.53	9.49	2.81E-08	0.000000326
ILMN_2340052	NCOR2	NM_006312.3	1.93	0.95	13.37	12.42	2.82E-08	0.000000327
ILMN_1670926	GALNAC4S-	NM_015892.2	1.99	0.99	11.96	10.97	2.88E-08	0.000000333
ILMN_1672834	SSH2	NM_033389.2	1.88	0.91	11.1	10.2	2.91E-08	0.000000336
ILMN_1802380	RERE	NM_012102.2	2.19	1.13	13.38	12.25	2.97E-08	0.000000342

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ILMN_1684628	ZFP90	NM_133458.1	1.56	0.64	13	12.35	3E-08	0.000000345
ILMN_1692938	PSAT1	NM_021154.3	1.61	0.69	13.31	12.61	3.03E-08	0.000000348
ILMN_1682081	IBRDC3	NM_153341.1	2.07	1.05	11.09	10.04	3.06E-08	0.000000351
ILMN_2271149	PGM5	NM_021965.3	2.69	1.43	9.34	7.91	3.13E-08	0.000000359
ILMN_2315964	PSRC1	NM_001032291.1	2.50	1.32	11.76	10.44	3.15E-08	0.000000361
ILMN_1763208	ZNF10	NM_015394.4	2.04	1.03	10.56	9.53	3.22E-08	0.000000367
ILMN_1787415	SNX16	NM_022133.2	1.84	0.88	10.61	9.73	3.32E-08	0.000000379
ILMN_1760049	SERGEF	NM_012139.2	1.62	0.7	11.79	11.1	3.32E-08	0.000000379
ILMN_1660727	ENPP5	NM_021572.4	1.79	0.84	9.1	8.27	3.32E-08	0.000000379
ILMN_1758623	HIST1H2BD	NM_138720.1	2.08	1.06	10.94	9.88	3.34E-08	0.000000381
ILMN_1691418	NBLA10383	NM_173622.2	1.79	0.84	10.11	9.27	3.36E-08	0.000000382
ILMN_1716821	GORASP1	NM_031899.2	1.69	0.76	11.87	11.11	3.37E-08	0.000000384
ILMN_2221046	GM2A	NM_000405.3	1.67	0.74	10.78	10.04	3.38E-08	0.000000385
ILMN_1735680	TMEM30A	NM_018247.2	1.59	0.67	11.28	10.61	3.43E-08	0.00000039
ILMN_2389376	WDR23	NM_025230.3	1.74	0.8	11.33	10.53	3.46E-08	0.000000393
ILMN_1712095	MLLT7	NM_005938.1	1.88	0.91	10.33	9.41	3.47E-08	0.000000394
ILMN_1784661	TMEM2	NM_013390.1	1.68	0.75	12.36	11.61	3.48E-08	0.000000395
ILMN_1794213	ABHD14A	NM_015407.3	1.74	0.8	11.62	10.82	3.5E-08	0.000000397
ILMN_2177823	FLJ43806	NM_201628.1	2.31	1.21	9.55	8.34	3.5E-08	0.000000397
ILMN_1797893	PFAAP5	NM_014887.1	1.65	0.72	11.56	10.84	3.5E-08	0.000000397
ILMN_1699728	BTD	NM_000060.2	1.83	0.87	10.19	9.32	3.57E-08	0.000000403
ILMN_1786211	HERC1	NM_003922.2	2.22	1.15	11.06	9.92	3.57E-08	0.000000403
ILMN_1725300	MLL3	NM_170606.2	1.77	0.82	11.28	10.46	3.59E-08	0.000000405
ILMN_1703284	SPIRE2	NM_032451.1	1.66	0.73	9.82	9.09	3.59E-08	0.000000405
ILMN_1777049	ZNF160	NM_033288.2	1.65	0.72	11.61	10.89	3.61E-08	0.000000407
ILMN_1688031	C14ORF44	NM_152445.1	2.33	1.22	9.42	8.2	3.64E-08	0.00000041
ILMN_1711504	NRXN1	NM_138735.1	2.73	1.45	9.43	7.98	3.68E-08	0.000000414
ILMN_1711766	SKP1A	NM_170679.1	1.52	0.6	13.88	13.29	3.71E-08	0.000000418
ILMN_1793743	DIRC2	NM_032839.1	1.53	0.61	12.8	12.19	3.74E-08	0.000000419
ILMN_1774387	ZHX3	NM_015035.3	1.83	0.87	11.52	10.65	3.75E-08	0.000000421
ILMN_2216838	DKFZP58611	NR_002186.1	1.87	0.9	10.11	9.21	3.79E-08	0.000000424
ILMN_1764230	GNPTG	NM_032520.3	1.87	0.9	12.58	11.68	3.85E-08	0.000000431
ILMN_2170209	RASD2	NM_014310.3	2.23	1.16	9.89	8.74	3.92E-08	0.000000438
ILMN_2131177	GUCY1A3	NM_000856.2	2.19	1.13	8.76	7.63	3.93E-08	0.000000438
ILMN_2064694	STIM1	NM_003156.2	1.99	0.99	11.42	10.44	3.95E-08	0.000000441
ILMN_1695276	MAPRE2	NM_014268.1	1.61	0.69	13.44	12.75	3.99E-08	0.000000445
ILMN_1800590	BBS1	NM_024649.4	1.64	0.71	12.24	11.53	4.05E-08	0.000000451
ILMN_2055156	PAG1	NM_018440.3	1.75	0.81	11.12	10.32	4.13E-08	0.000000459
ILMN_1660400	BRUNOL4	XM_943559.1	1.80	0.85	8.36	7.5	4.2E-08	0.000000466
ILMN_1724250	GRN	NM_002087.2	1.71	0.77	12.54	11.77	4.2E-08	0.000000467
ILMN_1730964	MGC34761	NM_173619.2	2.31	1.21	10	8.79	4.22E-08	0.000000469
ILMN_2299795	CPM	NM_001005502.1	2.17	1.12	8.53	7.4	4.27E-08	0.000000473
ILMN_2217212	ZNF564	NM_144976.2	1.71	0.77	10.94	10.18	4.28E-08	0.000000474

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ILMN_2201966	N4BP1	NM_153029.3	1.60	0.68	10.82	10.14	4.33E-08	0.000000479
ILMN_2313434	TCP1	NM_030752.2	1.79	0.84	10.24	9.41	4.36E-08	0.000000481
ILMN_1744403	CSEN	NM_013434.3	2.14	1.1	10.22	9.11	4.38E-08	0.000000484
ILMN_1692865	VPS37D	XM_376631.3	1.83	0.87	12.43	11.57	4.41E-08	0.000000487
ILMN_1775257	PROK2	NM_021935.2	1.83	0.87	8.49	7.62	4.43E-08	0.000000489
ILMN_2297765	KCNMA1	NM_002247.2	1.89	0.92	10.85	9.92	4.44E-08	0.000000489
ILMN_2374770	TAX1BP1	NM_001079864.1	1.64	0.71	13.82	13.11	4.46E-08	0.000000491
ILMN_1796180	CRY2	NM_021117.1	1.74	0.8	10.73	9.93	4.48E-08	0.000000493
ILMN_1767470	SCPEP1	NM_021626.1	1.56	0.64	11.79	11.15	4.49E-08	0.000000494
ILMN_1792910	MNT	NM_020310.2	1.56	0.64	11.77	11.13	4.55E-08	0.0000005
ILMN_1680109	COL4A3BP	NM_005713.1	1.84	0.88	12.54	11.66	4.56E-08	0.0000005
ILMN_2377240	AKTIP	NM_001012398.1	1.60	0.68	12.78	12.09	4.56E-08	0.0000005
ILMN_1757129	TMEM88	NM_203411.1	1.78	0.83	9.06	8.22	4.57E-08	0.000000502
ILMN_1676625	SS18L1	NM_015558.3	1.73	0.79	11.36	10.57	4.6E-08	0.000000505
ILMN_1771689	EXDL2	NM_018199.1	1.54	0.62	12.39	11.77	4.6E-08	0.000000505
ILMN_1744023	MGC18216	XM_927732.1	2.81	1.49	11.09	9.6	4.61E-08	0.000000505
ILMN_1736974	SOX12	NM_006943.2	2.04	1.03	10.17	9.14	4.65E-08	0.000000509
ILMN_1797341	ARID1A	NM_139135.1	1.61	0.69	13.35	12.65	4.69E-08	0.000000513
ILMN_2075757	LRIG3	NM_153377.3	1.57	0.65	9.54	8.89	4.74E-08	0.000000517
ILMN_1668469	KIAA0922	NM_015196.2	1.74	0.8	11.07	10.26	4.76E-08	0.000000519
ILMN_1656186	SLC41A1	NM_173854.4	1.75	0.81	11.27	10.46	4.8E-08	0.000000523
ILMN_1687440	HIPK2	NM_022740.2	1.65	0.72	12.19	11.48	4.84E-08	0.000000527
ILMN_1723626	APBA2	NM_005503.2	2.06	1.04	10.06	9.02	4.89E-08	0.000000531
ILMN_1776157	4-SEP	NM_080417.1	2.03	1.02	11.46	10.44	4.92E-08	0.000000535
ILMN_2317730	ELMO2	NM_133171.2	1.52	0.6	12.75	12.15	4.95E-08	0.000000537
ILMN_1814247	TCFL5	NM_006602.2	1.61	0.69	11.22	10.53	5.05E-08	0.000000547
ILMN_1760315	VWCE	NM_152718.1	1.93	0.95	9.46	8.51	5.23E-08	0.000000566
ILMN_1727805	SYNGR1	NM_004711.3	1.60	0.68	10.99	10.32	5.24E-08	0.000000567
ILMN_1739751	SLC26A11	NM_173626.1	1.57	0.65	11.23	10.58	5.25E-08	0.000000568
ILMN_1736982	PHACTR1	NM_030948.1	3.16	1.66	9.87	8.22	5.37E-08	0.000000579
ILMN_1782567	GUCY1B3	NM_000857.1	2.08	1.06	9.65	8.58	5.37E-08	0.00000058
ILMN_1707649	MPDZ	NM_003829.1	1.66	0.73	12.43	11.7	5.44E-08	0.000000586
ILMN_1808326	NPAS3	NM_022123.1	1.57	0.65	12.37	11.72	5.45E-08	0.000000587
ILMN_2347068	MKNK2	NM_017572.2	1.53	0.61	12.16	11.56	5.49E-08	0.00000059
ILMN_1712944	AES	NM_198969.1	1.61	0.69	14	13.32	5.51E-08	0.000000592
ILMN_1711069	YPEL5	NM_016061.1	1.64	0.71	12.92	12.21	5.55E-08	0.000000597
ILMN_2327795	RERE	NM_012102.3	2.07	1.05	11.99	10.94	5.59E-08	0.0000006
ILMN_1726368	ZNF135	NM_003436.2	1.74	0.8	10.76	9.97	5.64E-08	0.000000605
ILMN_1656192	ZNF704	NM_001033723.1	1.93	0.95	9.38	8.43	5.66E-08	0.000000606
ILMN_1716507	EPB41L1	NM_012156.2	1.93	0.95	9.95	9	5.73E-08	0.000000614
ILMN_1709740	KIAA1344	NM_020784.1	1.88	0.91	10.06	9.15	5.81E-08	0.000000622
ILMN_1758806	C21ORF2	NM_004928.1	1.84	0.88	10.98	10.11	5.82E-08	0.000000623
ILMN_1676984	DDIT3	NM_004083.4	1.69	0.76	10.97	10.2	5.84E-08	0.000000624

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ILMN_2351230	RUFY3	NM_001037442.1	2.04	1.03	11.55	10.52	5.86E-08	0.000000627
ILMN_1723743	ROM1	NM_000327.2	2.03	1.02	10.88	9.86	5.88E-08	0.000000628
ILMN_1745242	PLSCR1	NM_021105.1	1.83	0.87	10.02	9.15	5.88E-08	0.000000628
ILMN_2051684	LOC401152	NM_001001701.1	1.87	0.9	11.64	10.73	5.92E-08	0.000000632
ILMN_1663754	ZNF442	NM_030824.1	1.71	0.77	9.46	8.7	6.09E-08	0.000000649
ILMN_2360401	LFNG	NM_001040168.1	1.75	0.81	8.7	7.88	6.11E-08	0.000000651
ILMN_2297526	HYDIN	NM_032821.2	2.06	1.04	8.72	7.68	6.17E-08	0.000000655
ILMN_1652952	RASAL2	NM_004841.2	2.30	1.2	8.54	7.34	6.2E-08	0.000000658
ILMN_1665004	CASC3	NM_007359.3	1.55	0.63	12.07	11.43	6.23E-08	0.000000661
ILMN_1779416	SCUBE2	NM_020974.1	1.79	0.84	8.3	7.46	6.26E-08	0.000000664
ILMN_2201678	FSTL1	NM_007085.3	1.84	0.88	12.67	11.79	6.27E-08	0.000000664
ILMN_2290776	FLJ21839	NM_021831.5	1.85	0.89	9.87	8.98	6.37E-08	0.000000674
ILMN_1672589	SEMA4B	NM_020210.2	1.73	0.79	12.15	11.35	6.46E-08	0.000000684
ILMN_1814074	PHKA2	NM_000292.1	1.92	0.94	10.81	9.87	6.56E-08	0.000000693
ILMN_2410742	JMJD1C	NM_032776.1	1.92	0.94	11.44	10.5	6.58E-08	0.000000695
ILMN_1769520	UBE2L6	NM_004223.3	1.55	0.63	14.23	13.6	6.85E-08	0.000000721
ILMN_1662619	TFPI	NM_001032281.1	1.79	0.84	10.79	9.95	6.87E-08	0.000000723
ILMN_1764729	JAG2	NM_002226.3	2.08	1.06	9.41	8.35	6.88E-08	0.000000724
ILMN_1769091	PRCP	NM_199418.1	1.52	0.6	14.15	13.55	6.92E-08	0.000000727
ILMN_1793371	LKAP	NM_014647.1	1.69	0.76	12.91	12.16	6.94E-08	0.000000729
ILMN_1750144	C3ORF19	NM_016474.3	1.65	0.72	12.29	11.56	6.96E-08	0.000000731
ILMN_1673491	LRAT	NM_004744.3	2.28	1.19	8.84	7.65	7E-08	0.000000734
ILMN_1786215	ZNF3	NM_017715.2	1.58	0.66	10.65	9.99	7.15E-08	0.000000748
ILMN_1746492	RABL4	NM_006860.2	1.58	0.66	11.44	10.78	7.2E-08	0.000000754
ILMN_1749962	NCAM2	NM_004540.2	2.20	1.14	10.35	9.21	7.24E-08	0.000000757
ILMN_1727080	MYO6	NM_004999.2	1.61	0.69	10.55	9.86	7.31E-08	0.000000762
ILMN_1767722	AFTIPHILIN	NM_203437.2	2.43	1.28	9.86	8.58	7.32E-08	0.000000763
ILMN_1809537	MASP1	NM_139125.2	3.14	1.65	9.49	7.84	7.39E-08	0.00000077
ILMN_1811648	DCAKD	NM_024819.3	1.55	0.63	13.92	13.29	7.44E-08	0.000000773
ILMN_1786976	RAB22A	NM_020673.2	1.59	0.67	12.78	12.11	7.45E-08	0.000000774
ILMN_1738099	C2ORF34	NM_024766.1	1.57	0.65	11	10.35	7.46E-08	0.000000775
ILMN_1687768	NCOA7	NM_181782.2	1.95	0.96	10.81	9.85	7.56E-08	0.000000785
ILMN_1684155	FLJ23584	NM_024588.3	1.74	0.8	11.11	10.31	7.56E-08	0.000000785
ILMN_1774287	CFB	NM_001710.4	2.13	1.09	8.53	7.44	7.58E-08	0.000000786
ILMN_1768798	SPAG9	NM_172345.1	1.95	0.96	10.92	9.96	7.59E-08	0.000000788
ILMN_2068698	RSHL3	NM_001010892.1	2.27	1.18	8.95	7.77	7.62E-08	0.00000079
ILMN_1800733	MANBA	NM_005908.2	1.62	0.7	11.94	11.24	7.64E-08	0.000000791
ILMN_2252295	ELF2	NM_201999.1	1.74	0.8	9.54	8.74	7.65E-08	0.000000792
ILMN_1740500	TSPYL4	NM_021648.4	1.69	0.76	10.96	10.2	7.71E-08	0.000000798
ILMN_1741698	OPCML	NM_001012393.1	2.95	1.56	9.49	7.92	7.75E-08	0.000000801
ILMN_1719938	FGF11	NM_004112.2	1.80	0.85	10.53	9.69	7.77E-08	0.000000802
ILMN_1792419	LOC90167	NM_194277.1	1.92	0.94	8.23	7.29	7.86E-08	0.000000811
ILMN_1741131	CHRN1	NM_000747.2	1.58	0.66	11.33	10.66	7.93E-08	0.000000818

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ILMN_2090351	OR7E156P	NR_002171.1	1.78	0.83	10.56	9.73	7.97E-08	0.000000821
ILMN_1656656	LOC90639	NM_001031617.1	1.92	0.94	10.81	9.86	8.04E-08	0.000000828
ILMN_1812191	C12ORF57	NM_138425.2	1.67	0.74	14	13.26	8.06E-08	0.000000829
ILMN_1654629	MGC4618	NM_032326.2	1.64	0.71	12.08	11.37	8.11E-08	0.000000833
ILMN_1780598	PIAS1	NM_016166.1	1.53	0.61	11.68	11.06	8.17E-08	0.00000084
ILMN_1729288	C1QTNF6	NM_031910.3	1.84	0.88	11.09	10.21	8.21E-08	0.000000843
ILMN_1674031	PKIA	NM_006823.2	1.60	0.68	10.24	9.56	8.29E-08	0.00000085
ILMN_1761788	MOXD1	NM_001031699.1	1.64	0.71	13.67	12.96	8.32E-08	0.000000853
ILMN_2213297	C11ORF54	NM_014039.2	1.57	0.65	11.68	11.03	8.37E-08	0.000000857
ILMN_1672135	ZNF615	NM_198480.2	1.58	0.66	11.44	10.78	8.42E-08	0.000000862
ILMN_2098947	LOC338799	NR_002809.1	2.06	1.04	10.31	9.27	8.53E-08	0.000000872
ILMN_1788400	KIAA2022	NM_001008537.1	2.23	1.16	8.36	7.21	8.63E-08	0.000000881
ILMN_2151522	CRISPLD1	NM_031461.3	2.39	1.26	10.91	9.65	8.65E-08	0.000000883
ILMN_1767503	GABRB3	XM_937254.1	1.85	0.89	11.23	10.34	8.76E-08	0.000000893
ILMN_1714990	DBT	NM_001918.1	1.71	0.77	12.7	11.93	8.81E-08	0.000000896
ILMN_2230566	RAB40B	NM_006822.1	1.61	0.69	12.04	11.35	8.82E-08	0.000000897
ILMN_1779252	TRIM22	NM_006074.2	1.54	0.62	11.06	10.44	8.85E-08	0.0000009
ILMN_1736078	THBS4	NM_003248.3	1.65	0.72	10.59	9.87	8.86E-08	0.0000009
ILMN_1808217	PPP1R1C	XM_945023.1	1.77	0.82	12.35	11.52	8.92E-08	0.000000904
ILMN_1752199	LHPP	NM_022126.2	1.89	0.92	11.55	10.63	9.01E-08	0.000000913
ILMN_1771964	GSTA4	NM_001512.2	1.51	0.59	13.07	12.48	9.08E-08	0.000000919
ILMN_1652762	HIC2	NM_015094.1	1.61	0.69	11.48	10.79	9.09E-08	0.00000092
ILMN_1793522	PRKAB1	NM_006253.4	1.55	0.63	11.88	11.25	9.2E-08	0.00000093
ILMN_2408080	SNAP25	NM_130811.1	1.96	0.97	10.57	9.6	9.27E-08	0.000000936
ILMN_2378100	FBXL5	NM_012161.2	1.52	0.6	12.89	12.29	9.35E-08	0.000000944
ILMN_1689200	DHDH	NM_014475.2	1.91	0.93	9.12	8.19	9.56E-08	0.000000963
ILMN_1652521	MTMR9	NM_015458.3	1.59	0.67	12.2	11.53	9.69E-08	0.000000975
ILMN_1739876	RAB3GAP1	NM_012233.1	1.51	0.59	13.29	12.7	9.7E-08	0.000000975
ILMN_1652826	LRRC17	NM_001031692.1	1.51	0.59	13.07	12.48	9.7E-08	0.000000975
ILMN_2057981	C8ORF70	NM_016010.1	1.91	0.93	11.95	11.02	9.78E-08	0.000000983
ILMN_1657058	PPIL6	NM_173672.1	2.11	1.08	9.75	8.68	9.92E-08	0.000000995
ILMN_1803194	GALK1	NM_000154.1	1.67	0.74	12.94	12.21	9.94E-08	0.000000997
ILMN_1716154	C5ORF4	NM_032385.1	2.13	1.09	9.18	8.09	9.96E-08	0.000000999
ILMN_2406304	PDZRN3	NM_015009.1	2.20	1.14	9.42	8.29	9.98E-08	0.000001
ILMN_1794490	FLJ10781	NM_018215.2	1.52	0.6	12.08	11.48	9.99E-08	0.000001
ILMN_1715669	TP53I11	NM_006034.2	2.53	1.34	10.52	9.18	0.0000001	0.000001
ILMN_1764795	FMN2	NM_020066.3	2.36	1.24	10.78	9.55	0.0000001	0.000001
ILMN_1764970	JMJD1C	NM_004241.2	1.93	0.95	11.86	10.92	1.02E-07	0.00000102
ILMN_1656676	ZYG11B	NM_024646.1	1.52	0.6	13.3	12.7	1.03E-07	0.00000103
ILMN_1677829	SLC9A6	NM_006359.1	1.62	0.7	11.83	11.13	1.03E-07	0.00000103
ILMN_1685722	EIF4A2	NM_001967.2	1.49	0.58	15.06	14.48	1.03E-07	0.00000103
ILMN_1754643	DGCR13	NM_001024733.1	2.11	1.08	9.56	8.48	1.04E-07	0.00000104
ILMN_1676891	CDC2L6	NM_015076.3	1.54	0.62	12.9	12.28	1.07E-07	0.00000106

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ILMN_1800354	CST3	NM_000099.2	1.52	0.6	15.35	14.75	1.07E-07	0.00000106
ILMN_1730039	IGSF21	NM_032880.2	2.06	1.04	8.22	7.18	1.07E-07	0.00000106
ILMN_2082314	TOM1	NM_005488.1	1.52	0.6	12.24	11.64	1.08E-07	0.00000107
ILMN_1778203	CLN5	NM_006493.1	1.69	0.76	12.2	11.45	1.08E-07	0.00000107
ILMN_1657606	ZFHX4	NM_024721.2	2.10	1.07	11.5	10.43	1.09E-07	0.00000108
ILMN_1784753	PAIP2	NM_001033112.1	1.52	0.6	13.93	13.33	1.1E-07	0.00000108
ILMN_1718907	SDCCAG33	NM_005786.3	1.72	0.78	12	11.21	1.1E-07	0.00000109
ILMN_1790149	HGF	NM_001010932.1	1.74	0.8	8.98	8.18	1.13E-07	0.00000111
ILMN_1799467	SAMD9L	NM_152703.2	2.58	1.37	9.76	8.39	1.13E-07	0.00000112
ILMN_2083946	TGFA	NM_003236.1	2.66	1.41	9.56	8.15	1.14E-07	0.00000112
ILMN_1658830	C10ORF26	NM_017787.3	1.69	0.76	11.63	10.87	1.15E-07	0.00000113
ILMN_1660810	TTC17	NM_018259.3	1.61	0.69	11.88	11.19	1.18E-07	0.00000115
ILMN_1720430	C20ORF149	NM_024299.2	1.74	0.8	11.46	10.66	1.18E-07	0.00000116
ILMN_2191720	ZNF471	NM_020813.1	1.82	0.86	10.12	9.27	1.18E-07	0.00000116
ILMN_2405602	OSBPL1A	NM_080597.2	1.66	0.73	12.62	11.89	1.19E-07	0.00000116
ILMN_1676822	ECRG4	NM_032411.1	2.27	1.18	9.62	8.44	1.21E-07	0.00000118
ILMN_1774110	CHN2	NM_004067.1	1.92	0.94	10.06	9.12	1.25E-07	0.00000122
ILMN_1800602	GCA	NM_012198.2	1.53	0.61	12.14	11.54	1.25E-07	0.00000122
ILMN_1703379	VPS41	NM_014396.3	1.59	0.67	13.41	12.74	1.27E-07	0.00000124
ILMN_1685679	RNF146	NM_030963.2	1.57	0.65	12.21	11.56	1.28E-07	0.00000125
ILMN_1813949	CASQ1	NM_001231.2	2.06	1.04	9.5	8.46	1.28E-07	0.00000125
ILMN_1766366	ALS2CR15	NM_138468.3	1.83	0.87	9.97	9.1	1.3E-07	0.00000126
ILMN_1776188	MAP1LC3A	NM_181509.1	1.88	0.91	13.78	12.88	1.34E-07	0.0000013
ILMN_1756849	HIST1H2AE	NM_021052.2	1.69	0.76	8.8	8.04	1.34E-07	0.0000013
ILMN_2381559	ASTN2	NM_198187.2	1.69	0.76	8.76	8	1.35E-07	0.0000013
ILMN_1734483	BSDC1	NM_018045.4	1.66	0.73	12.76	12.03	1.36E-07	0.00000131
ILMN_1661309	XKR4	NM_052898.1	2.53	1.34	8.63	7.29	1.36E-07	0.00000131
ILMN_1718565	CDKN1C	NM_000076.1	1.82	0.86	8.64	7.78	1.39E-07	0.00000134
ILMN_1660436	HSPA1B	NM_005346.3	1.73	0.79	13.75	12.96	1.41E-07	0.00000136
ILMN_1691299	C1ORF192	NM_001013625.2	2.04	1.03	8.78	7.75	1.41E-07	0.00000136
ILMN_1725528	LOC400657	NM_001008234.1	1.54	0.62	11.47	10.85	1.41E-07	0.00000136
ILMN_1701025	EPHX1	NM_000120.2	1.71	0.77	11.51	10.74	1.42E-07	0.00000137
ILMN_1787951	RABL5	NM_022777.1	1.65	0.72	9.97	9.25	1.49E-07	0.00000143
ILMN_2386982	PRKCZ	NM_002744.4	1.72	0.78	11.44	10.66	1.49E-07	0.00000143
ILMN_1751904	EDNRB	NM_003991.1	1.60	0.68	12.24	11.56	1.49E-07	0.00000143
ILMN_1735552	KIF1B	NM_015074.2	1.60	0.68	13.61	12.92	1.51E-07	0.00000145
ILMN_1678690	UPB1	NM_016327.2	1.82	0.86	8.11	7.25	1.53E-07	0.00000146
ILMN_1665205	ZFP260	NM_001012756.1	1.53	0.61	12.05	11.44	1.54E-07	0.00000147
ILMN_1688730	DNAJC18	NM_152686.2	1.51	0.59	11.6	11.01	1.55E-07	0.00000148
ILMN_1793616	RNF38	NM_194331.1	1.77	0.82	13.21	12.39	1.57E-07	0.0000015
ILMN_1769394	PLCD1	NM_006225.1	2.01	1.01	11.42	10.41	1.59E-07	0.00000152
ILMN_1658384	CRTAC1	NM_018058.4	1.69	0.76	8.26	7.5	1.61E-07	0.00000154
ILMN_1691702	MGC33584	NM_173680.2	1.66	0.73	10.71	9.98	1.63E-07	0.00000155

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ILMN_1703891	TBC1D9	NM_015130.1	3.86	1.95	11.39	9.44	1.7E-07	0.00000161
ILMN_1753002	RAB2B	NM_032846.2	1.52	0.6	13.73	13.14	1.7E-07	0.00000161
ILMN_2189859	FLJ38482	NM_152681.1	1.56	0.64	10.7	10.07	1.7E-07	0.00000162
ILMN_2350357	ZNF254	NM_004876.2	1.97	0.98	10.79	9.81	1.7E-07	0.00000162
ILMN_2186216	GOLPH4	NM_014498.2	1.67	0.74	12.69	11.95	1.71E-07	0.00000163
ILMN_2289381	DKK3	NM_013253.4	1.65	0.72	11	10.29	1.73E-07	0.00000164
ILMN_1653783	MLC1	NM_139202.1	2.25	1.17	11.76	10.58	1.75E-07	0.00000165
ILMN_2371440	B3GAT1	NM_018644.3	1.79	0.84	11.81	10.97	1.79E-07	0.0000017
ILMN_2353732	CD8A	NM_171827.2	2.20	1.14	8.5	7.36	1.8E-07	0.0000017
ILMN_1668194	LMTK3	XM_936372.1	1.71	0.77	12.27	11.5	1.81E-07	0.00000171
ILMN_2113490	NTN4	NM_021229.3	1.91	0.93	9.64	8.71	1.82E-07	0.00000171
ILMN_1749792	SORBS1	NM_015385.1	1.82	0.86	12.38	11.52	1.83E-07	0.00000172
ILMN_1660341	LRPAP1	NM_002337.1	1.52	0.6	11.79	11.19	1.86E-07	0.00000175
ILMN_2347424	MBOAT2	NM_138799.2	1.95	0.96	10.01	9.05	1.87E-07	0.00000176
ILMN_1730347	MGC12981	NM_032357.2	1.53	0.61	12.29	11.69	1.87E-07	0.00000176
ILMN_2397521	JMJD3	NM_001080424.1	2.23	1.16	9.31	8.14	1.88E-07	0.00000177
ILMN_1701461	TIMP3	NM_000362.4	2.07	1.05	9.84	8.79	1.9E-07	0.00000179
ILMN_1720604	ARSG	NM_014960.2	1.82	0.86	9.41	8.55	1.91E-07	0.00000179
ILMN_1784783	NME5	NM_003551.2	1.72	0.78	10.76	9.98	1.93E-07	0.0000018
ILMN_1752927	KIAA1600	NM_020940.2	2.20	1.14	11.49	10.35	1.93E-07	0.0000018
ILMN_1801658	BMPR1B	NM_001203.1	1.68	0.75	8.56	7.81	1.93E-07	0.00000181
ILMN_2181670	SYT14	NM_153262.1	1.93	0.95	8.87	7.92	1.97E-07	0.00000184
ILMN_1665207	C10ORF85	NM_001012711.1	2.11	1.08	9.66	8.59	1.97E-07	0.00000184
ILMN_2089073	ATP9A	NM_006045.1	1.69	0.76	14.08	13.32	1.98E-07	0.00000184
ILMN_1797021	TMEM86A	NM_153347.1	1.78	0.83	9.48	8.65	1.98E-07	0.00000184
ILMN_1758087	TAOK1	NM_020791.1	1.62	0.7	10.31	9.62	1.98E-07	0.00000184
ILMN_1684497	C10ORF33	NM_032709.1	1.62	0.7	10.95	10.25	1.99E-07	0.00000185
ILMN_1713759	UBE2J1	NM_016021.2	1.49	0.58	12.07	11.49	2.01E-07	0.00000186
ILMN_2225735	CRBN	NM_016302.2	1.60	0.68	11.5	10.82	2.01E-07	0.00000187
ILMN_1707312	NFIL3	NM_005384.2	1.79	0.84	10.52	9.68	2.02E-07	0.00000187
ILMN_1789541	CRMP1	NM_001014809.1	1.68	0.75	15.08	14.33	2.02E-07	0.00000187
ILMN_1788059	PCGF5	NM_032373.2	2.06	1.04	9.55	8.51	2.05E-07	0.0000019
ILMN_1698148	CHD5	NM_015557.1	2.41	1.27	9.18	7.91	2.05E-07	0.0000019
ILMN_1723116	AMFR	NM_138958.1	1.71	0.77	13.39	12.63	2.08E-07	0.00000192
ILMN_1690682	B3GALT4	NM_003782.3	1.99	0.99	9.29	8.3	2.12E-07	0.00000195
ILMN_1684017	GYG2	NM_003918.1	1.85	0.89	10.54	9.65	2.14E-07	0.00000197
ILMN_1675797	EPDR1	NM_017549.2	1.52	0.6	13.71	13.11	2.15E-07	0.00000198
ILMN_1809141	ING4	NM_198287.1	1.79	0.84	11.39	10.55	2.17E-07	0.00000199
ILMN_2173919	MYO9A	NM_006901.1	2.01	1.01	10.84	9.83	2.19E-07	0.00000201
ILMN_1788886	TOX	NM_014729.2	1.69	0.76	10.59	9.83	2.2E-07	0.00000202
ILMN_2061565	PLCH2	NM_014638.2	2.23	1.16	9.89	8.73	2.21E-07	0.00000203
ILMN_2117623	PLXNC1	NM_005761.1	2.62	1.39	9.16	7.77	2.21E-07	0.00000203
ILMN_1705258	CPZ	NM_001014447.1	1.93	0.95	8.57	7.62	2.24E-07	0.00000205

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ILMN_1774742	MTTP	NM_000253.1	2.35	1.23	9.81	8.59	2.25E-07	0.00000206
ILMN_1685124	FLJ21127	NM_024549.3	1.59	0.67	12.6	11.93	2.27E-07	0.00000208
ILMN_1779965	AK1	NM_000476.1	1.66	0.73	11.12	10.39	2.28E-07	0.00000209
ILMN_1733288	C1RL	NM_016546.1	1.56	0.64	10.82	10.18	2.29E-07	0.00000209
ILMN_1766528	SLC25A36	NM_018155.1	1.62	0.7	11.32	10.63	2.3E-07	0.0000021
ILMN_1670535	NDRG2	NM_201535.1	2.03	1.02	9.59	8.57	2.32E-07	0.00000212
ILMN_1665526	TCEA2	NM_003195.4	1.60	0.68	13.33	12.65	2.33E-07	0.00000212
ILMN_1668022	EPHA5	NM_004439.4	1.92	0.94	8.18	7.24	2.33E-07	0.00000212
ILMN_1656482	OSBPL2	NM_144498.1	1.67	0.74	11.93	11.19	2.34E-07	0.00000213
ILMN_1663035	SREBF1	NM_004176.3	1.75	0.81	12.36	11.55	2.36E-07	0.00000215
ILMN_1773576	CPNE3	NM_003909.2	1.51	0.59	13.83	13.25	2.37E-07	0.00000216
ILMN_1701134	PTEN	NM_000314.3	1.53	0.61	11.87	11.25	2.37E-07	0.00000216
ILMN_1768482	CD8A	NM_001768.4	1.91	0.93	8.51	7.58	2.44E-07	0.00000221
ILMN_1725417	NELL2	NM_006159.1	1.77	0.82	11.62	10.8	2.45E-07	0.00000222
ILMN_2195462	C1QTNF4	NM_031909.1	2.13	1.09	9.15	8.07	2.45E-07	0.00000222
ILMN_1741613	SERINC1	NM_020755.2	1.88	0.91	12.62	11.71	2.45E-07	0.00000222
ILMN_2152429	FLJ40142	NM_207435.1	1.57	0.65	12.77	12.12	2.49E-07	0.00000225
ILMN_1681829	ZNF606	NM_025027.3	1.75	0.81	10.51	9.7	2.5E-07	0.00000226
ILMN_1773964	H1FX	NM_006026.2	1.68	0.75	12.56	11.82	2.51E-07	0.00000227
ILMN_1693853	HHAT	NM_018194.1	1.95	0.96	9.22	8.26	2.52E-07	0.00000228
ILMN_2325347	B3GALNT1	NM_033168.2	1.52	0.6	11.78	11.18	2.55E-07	0.0000023
ILMN_1732717	LOC112703	NM_138411.1	1.58	0.66	10.54	9.88	2.6E-07	0.00000234
ILMN_1779706	TP53BP2	NM_001031685.1	1.55	0.63	12.53	11.9	2.6E-07	0.00000234
ILMN_1725910	CNTFR	NM_147164.1	2.16	1.11	9.07	7.96	2.66E-07	0.0000024
ILMN_1768260	GAS6	NM_000820.1	2.03	1.02	8.66	7.65	2.67E-07	0.0000024
ILMN_1667162	NKX3-1	NM_006167.2	2.31	1.21	8.61	7.4	2.67E-07	0.0000024
ILMN_1739641	MTMR3	NM_153050.1	1.84	0.88	12.19	11.3	2.7E-07	0.00000243
ILMN_1716678	NPC2	NM_006432.3	1.61	0.69	15.19	14.5	2.77E-07	0.00000249
ILMN_1712657	FALZ	NM_004459.5	2.25	1.17	9.95	8.77	2.8E-07	0.00000251
ILMN_1693597	ZNF287	NM_020653.1	1.87	0.9	9.61	8.71	2.8E-07	0.00000252
ILMN_1784292	ANKMY2	NM_020319.1	1.61	0.69	11.8	11.11	2.81E-07	0.00000252
ILMN_1769013	ASGR1	NM_001671.2	1.83	0.87	10.4	9.53	2.88E-07	0.00000257
ILMN_1764873	ELAVL1	NM_001419.2	1.73	0.79	11.64	10.84	2.88E-07	0.00000258
ILMN_2354617	DYRK1B	NM_004714.1	1.79	0.84	9.43	8.59	2.88E-07	0.00000258
ILMN_2373566	PJA1	NM_001032396.1	1.51	0.59	12.82	12.22	2.88E-07	0.00000258
ILMN_1750386	NPPA	NM_006172.1	1.95	0.96	8.23	7.26	2.89E-07	0.00000258
ILMN_2402363	STK19	NM_004197.1	1.57	0.65	12.5	11.84	2.95E-07	0.00000263
ILMN_2130218	PAK3	NM_002578.2	2.19	1.13	8.63	7.5	2.95E-07	0.00000263
ILMN_2340027	TSPAN4	NM_001025238.1	1.61	0.69	11.77	11.09	3.02E-07	0.00000269
ILMN_1791202	SMOC1	NM_022137.3	2.14	1.1	10.24	9.14	3.05E-07	0.00000271
ILMN_2398184	NCAM1	NM_001076682.2	1.75	0.81	9.4	8.59	3.09E-07	0.00000274
ILMN_1733366	MAST1	NM_014975.1	2.73	1.45	10.69	9.24	3.14E-07	0.00000279
ILMN_2409754	PRR5	NM_001017530.1	1.96	0.97	8.92	7.95	3.16E-07	0.0000028

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ILMN_2138019	HEPACAM	NM_152722.4	1.93	0.95	8.6	7.66	3.16E-07	0.0000028
ILMN_1803279	TMED5	NM_016040.3	1.54	0.62	13.04	12.42	3.2E-07	0.00000283
ILMN_1656840	VPS13D	NM_015378.2	2.55	1.35	9.47	8.12	3.24E-07	0.00000286
ILMN_1705172	SLC26A7	NM_052832.2	1.83	0.87	9.33	8.46	3.26E-07	0.00000288
ILMN_1802654	GLT8D2	NM_031302.2	2.17	1.12	8.75	7.63	3.28E-07	0.00000289
ILMN_1661595	C1ORF53	NM_001024594.1	1.93	0.95	10.81	9.86	3.28E-07	0.00000289
ILMN_1815673	DKK3	NM_013253.4	1.93	0.95	14.78	13.83	3.31E-07	0.00000291
ILMN_2167416	MR1	NM_001531.1	1.85	0.89	8.38	7.49	3.32E-07	0.00000292
ILMN_2276688	DIXDC1	NM_001037954.2	1.82	0.86	8.71	7.85	3.33E-07	0.00000293
ILMN_1664537	USP11	NM_004651.3	1.58	0.66	12.81	12.15	3.33E-07	0.00000293
ILMN_1720965	TULP4	NM_020245.3	1.62	0.7	11.88	11.18	3.34E-07	0.00000293
ILMN_1684143	NPTXR	NM_058178.1	1.92	0.94	9.72	8.78	3.36E-07	0.00000295
ILMN_2396672	ABLIM1	NM_001003407.1	1.78	0.83	11.67	10.83	3.39E-07	0.00000298
ILMN_1722726	RICS	NM_014715.2	1.79	0.84	11.35	10.51	3.42E-07	0.000003
ILMN_2166972	BBS12	NM_152618.2	1.65	0.72	9.68	8.95	3.43E-07	0.00000301
ILMN_1781388	PGM5	NM_021965.3	2.07	1.05	10.31	9.25	3.43E-07	0.00000301
ILMN_1699217	C1ORF96	NM_145257.2	1.95	0.96	9.17	8.2	3.44E-07	0.00000301
ILMN_1765860	DOCK11	NM_144658.2	1.74	0.8	10.52	9.72	3.45E-07	0.00000302
ILMN_1696702	NEO1	NM_002499.1	1.55	0.63	11.4	10.77	3.54E-07	0.00000309
ILMN_2099301	UNC84B	NM_015374.1	1.49	0.58	13.68	13.1	3.56E-07	0.0000031
ILMN_1737255	LOC388886	NM_207644.1	1.56	0.64	10.72	10.08	3.7E-07	0.00000321
ILMN_1680434	MAPK8IP1	NM_005456.2	1.89	0.92	11.27	10.35	3.7E-07	0.00000321
ILMN_1752075	MYBPC1	NM_002465.2	1.87	0.9	8.33	7.43	3.72E-07	0.00000322
ILMN_1804339	CAMK1G	NM_020439.2	2.14	1.1	9.67	8.58	3.74E-07	0.00000324
ILMN_1768640	CRNKL1	NM_016652.3	1.64	0.71	10.14	9.43	3.76E-07	0.00000325
ILMN_2394362	FAM123A	NM_199138.1	1.79	0.84	12.44	11.6	3.76E-07	0.00000325
ILMN_1733559	CDC14B	NM_003671.2	1.87	0.9	12.45	11.54	3.77E-07	0.00000326
ILMN_2268156	LFNG	NM_001040168.1	1.62	0.7	8.38	7.68	3.8E-07	0.00000328
ILMN_1786118	FXYD7	NM_022006.1	2.08	1.06	8.69	7.63	3.81E-07	0.00000329
ILMN_1790555	KIAA1505	NM_020879.1	2.07	1.05	8.98	7.93	3.83E-07	0.00000331
ILMN_1708340	DAPK1	NM_004938.1	1.88	0.91	10.92	10.01	3.85E-07	0.00000332
ILMN_1755850	ZNF350	NM_021632.3	1.80	0.85	9.94	9.09	3.88E-07	0.00000335
ILMN_1711361	ZNF319	NM_020807.1	1.58	0.66	11.62	10.95	3.9E-07	0.00000336
ILMN_1749403	TSPAN33	NM_178562.2	1.78	0.83	11.01	10.18	3.96E-07	0.0000034
ILMN_1739050	PIPOX	NM_016518.2	2.08	1.06	11.44	10.39	3.97E-07	0.00000341
ILMN_1691483	CLU	NM_001831.2	1.97	0.98	9.1	8.12	3.99E-07	0.00000343
ILMN_1698419	NCOR2	NM_006312.2	1.95	0.96	12.41	11.45	0.0000004	0.00000343
ILMN_1809583	CREBBP	NM_004380.1	1.54	0.62	12.44	11.82	4.02E-07	0.00000345
ILMN_1675406	PPAPDC1B	NM_032483.2	1.64	0.71	11.67	10.95	4.04E-07	0.00000347
ILMN_2380163	PTPRF	NM_002840.3	1.69	0.76	13.18	12.42	4.19E-07	0.00000358
ILMN_1776519	RAP1GA1	NM_002885.1	1.69	0.76	12.15	11.39	4.23E-07	0.00000361
ILMN_1803925	LOC400924	NM_001013676.1	1.85	0.89	10.13	9.25	4.25E-07	0.00000363
ILMN_2079386	RPL22	NM_000983.3	1.57	0.65	14.64	13.98	4.28E-07	0.00000365

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ILMN_2141941	TOR1AIP1	NM_015602.2	1.61	0.69	12.2	11.52	4.29E-07	0.00000365
ILMN_1657754	C1ORF82	NM_024813.1	1.55	0.63	11.03	10.4	4.31E-07	0.00000367
ILMN_1704376	GLDN	NM_181789.1	1.84	0.88	8.02	7.14	4.31E-07	0.00000367
ILMN_1694268	HES6	NM_018645.3	1.52	0.6	13.4	12.8	4.32E-07	0.00000368
ILMN_1679256	AP3B2	NM_004644.3	2.51	1.33	10.01	8.68	4.38E-07	0.00000372
ILMN_2328986	SREBF1	NM_004176.3	1.82	0.86	10.86	10	4.4E-07	0.00000374
ILMN_1672326	PCDHA2	NM_031495.1	2.08	1.06	8.58	7.52	4.42E-07	0.00000375
ILMN_1734810	PJA1	NM_145119.2	1.53	0.61	10.51	9.9	4.46E-07	0.00000378
ILMN_1673207	KLF11	NM_003597.4	2.27	1.18	10.09	8.9	4.49E-07	0.00000381
ILMN_2350114	TRIM13	NM_001007278.1	1.72	0.78	10.99	10.22	4.52E-07	0.00000383
ILMN_1661519	KIAA0408	NM_014702.3	1.51	0.59	9.43	8.84	4.56E-07	0.00000386
ILMN_1746265	SARM1	NM_015077.1	1.55	0.63	11.24	10.61	4.69E-07	0.00000396
ILMN_1777663	TOP2B	NM_001068.2	1.71	0.77	14.12	13.35	4.7E-07	0.00000397
ILMN_2179717	C9ORF61	NM_004816.2	2.01	1.01	8.24	7.23	4.73E-07	0.00000399
ILMN_1813704	KIAA1199	NM_018689.1	2.79	1.48	10.31	8.84	4.77E-07	0.00000402
ILMN_1749070	HLA-DPB1	NM_002121.4	1.67	0.74	8.42	7.68	4.79E-07	0.00000403
ILMN_2104141	FGD5	NM_152536.2	2.33	1.22	8.64	7.42	4.81E-07	0.00000404
ILMN_2261876	MDK	NM_001012334.1	1.87	0.9	9.51	8.61	4.82E-07	0.00000406
ILMN_2409290	CCPG1	NM_020739.2	2.30	1.2	8.98	7.78	4.91E-07	0.00000412
ILMN_1696546	FZD1	NM_003505.1	1.65	0.72	9.69	8.97	4.92E-07	0.00000413
ILMN_2325574	CASC4	NM_177974.1	1.73	0.79	12.65	11.86	5.06E-07	0.00000424
ILMN_1715555	DBP	NM_001352.2	1.91	0.93	9.31	8.38	5.08E-07	0.00000425
ILMN_2232854	FAP	NM_004460.2	1.80	0.85	7.82	6.97	5.13E-07	0.00000429
ILMN_2268409	VPS13B	NM_017890.3	1.88	0.91	9.29	8.38	5.17E-07	0.00000432
ILMN_2289924	TRAK1	NM_001042646.1	1.56	0.64	12.24	11.6	5.21E-07	0.00000435
ILMN_1788213	FRAT2	NM_012083.2	1.53	0.61	10.82	10.21	5.21E-07	0.00000435
ILMN_1699856	RALGDS	NM_006266.2	1.51	0.59	14.19	13.61	5.26E-07	0.00000439
ILMN_2328224	MADD	NM_130473.1	1.62	0.7	9.78	9.08	5.31E-07	0.00000442
ILMN_1671766	F12	NM_000505.2	1.66	0.73	11.09	10.36	5.33E-07	0.00000444
ILMN_1752622	PROX1	NM_002763.3	1.68	0.75	11.48	10.74	5.43E-07	0.00000452
ILMN_2397294	PLCB4	NM_000933.2	2.10	1.07	8.84	7.78	5.45E-07	0.00000453
ILMN_2333107	AES	NM_198970.1	1.67	0.74	13.33	12.58	5.47E-07	0.00000454
ILMN_1798288	MOBKL2C	NM_201403.1	1.56	0.64	10.47	9.83	5.48E-07	0.00000454
ILMN_1690397	DYNC111	NM_004411.1	1.78	0.83	9.97	9.14	5.49E-07	0.00000455
ILMN_1760051	SOX5	NM_152989.2	1.77	0.82	8.98	8.16	5.53E-07	0.00000458
ILMN_1659782	STK19	NM_032454.1	1.68	0.75	12.07	11.32	5.55E-07	0.00000459
ILMN_1717434	DFNB31	NM_015404.1	1.72	0.78	8.86	8.08	5.59E-07	0.00000462
ILMN_2414878	STXBP1	NM_001032221.1	1.57	0.65	11.47	10.82	5.62E-07	0.00000465
ILMN_1693233	KIAA0513	NM_014732.2	1.83	0.87	10.25	9.38	5.65E-07	0.00000467
ILMN_1737343	KIAA1961	NM_133372.1	1.60	0.68	11.28	10.6	5.66E-07	0.00000467
ILMN_2388142	CD99L2	NM_134445.2	1.51	0.59	14.25	13.67	5.69E-07	0.00000469
ILMN_2115125	CTGF	NM_001901.2	1.54	0.62	14.04	13.42	5.79E-07	0.00000477
ILMN_1797828	C20ORF116	NM_023935.1	1.55	0.63	12.64	12.01	5.81E-07	0.00000478

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ILMN_1812526	TGFB2	NM_003238.1	1.73	0.79	11.56	10.77	5.85E-07	0.00000481
ILMN_1754579	SYNE2	NM_015180.3	2.36	1.24	9.21	7.97	5.92E-07	0.00000486
ILMN_1804679	MYST1	NM_032188.1	1.64	0.71	11.47	10.76	5.98E-07	0.0000049
ILMN_2294542	IL17RD	NM_001080973.1	1.75	0.81	8.4	7.58	5.98E-07	0.0000049
ILMN_1786966	ATRN1	NM_207303.1	2.20	1.14	8.62	7.48	6.06E-07	0.00000496
ILMN_1676983	ZNF300	NM_052860.1	1.66	0.73	10.11	9.38	6.07E-07	0.00000496
ILMN_1679217	C8ORF72	NM_147189.1	1.53	0.61	11.8	11.18	6.07E-07	0.00000496
ILMN_1758049	NFIA	NM_005595.1	2.57	1.36	12.98	11.62	6.08E-07	0.00000497
ILMN_1715684	LAMB3	NM_000228.2	1.77	0.82	9.89	9.07	6.1E-07	0.00000498
ILMN_1655167	ZNF502	NM_033210.3	1.60	0.68	10.05	9.37	6.11E-07	0.00000499
ILMN_1688698	ZFH1B	NM_014795.2	2.33	1.22	11.12	9.9	6.16E-07	0.00000502
ILMN_1703009	FAM20C	XM_928334.1	1.85	0.89	9.39	8.5	6.21E-07	0.00000506
ILMN_1740772	APBB3	NM_006051.2	1.93	0.95	12.43	11.48	6.29E-07	0.00000512
ILMN_1653496	GLUL	NM_001033044.1	2.01	1.01	8.75	7.74	6.32E-07	0.00000515
ILMN_1656165	USP9X	NM_004652.3	1.51	0.59	12.59	12	6.33E-07	0.00000515
ILMN_2385672	ELN	NM_001081754.1	2.19	1.13	9.32	8.19	6.43E-07	0.00000522
ILMN_1750158	ACOX1	NM_004035.4	1.64	0.71	11.54	10.83	6.46E-07	0.00000525
ILMN_1760121	RRAGC	NM_022157.2	1.53	0.61	12.17	11.56	6.47E-07	0.00000525
ILMN_1670875	PPM1D	NM_003620.2	1.58	0.66	11.24	10.59	6.56E-07	0.00000532
ILMN_2070896	BMP2R	NM_001204.5	2.06	1.04	11.82	10.78	6.58E-07	0.00000533
ILMN_1714956	PLA2G12A	NM_030821.3	1.87	0.9	9.28	8.37	6.72E-07	0.00000543
ILMN_1758825	ABLIM2	NM_032432.2	1.75	0.81	9.01	8.19	6.9E-07	0.00000557
ILMN_2364272	MBNL2	NM_207304.1	2.45	1.29	11.8	10.51	7.04E-07	0.00000567
ILMN_1665049	KIAA1840	NM_025137.2	1.77	0.82	11.93	11.11	7.1E-07	0.00000572
ILMN_1745852	WDR33	NM_001006623.1	2.71	1.44	9.99	8.56	7.33E-07	0.00000589
ILMN_1701918	KARCA1	NM_152366.3	1.66	0.73	11.72	10.99	7.36E-07	0.00000591
ILMN_1669788	NUDT14	NM_177533.2	1.72	0.78	12.35	11.56	7.4E-07	0.00000593
ILMN_1769388	GJB2	NM_004004.3	2.46	1.3	9.63	8.33	7.43E-07	0.00000596
ILMN_2399264	6-SEP	NM_145800.2	1.53	0.61	11.01	10.4	7.5E-07	0.000006
ILMN_1651496	HIST1H2BD	NM_138720.1	1.89	0.92	11.38	10.46	7.7E-07	0.00000615
ILMN_1714349	GLCE	NM_015554.1	1.60	0.68	11.55	10.87	7.77E-07	0.00000619
ILMN_1677404	RAP2A	NM_021033.4	1.56	0.64	13.5	12.86	7.78E-07	0.0000062
ILMN_1720578	PRAF2	NM_007213.1	1.72	0.78	11.73	10.95	8.02E-07	0.00000637
ILMN_1714181	SBP1	NM_178121.2	1.62	0.7	9.98	9.28	8.08E-07	0.00000642
ILMN_2324672	USF2	NM_207291.1	1.51	0.59	11.86	11.26	8.13E-07	0.00000644
ILMN_1658809	SEZ6	NM_178860.3	1.66	0.73	11.18	10.45	8.27E-07	0.00000655
ILMN_1709237	EPHX2	NM_001979.4	1.69	0.76	10.03	9.27	8.3E-07	0.00000657
ILMN_1744676	ZNF179	NM_007148.2	1.77	0.82	10.56	9.73	8.32E-07	0.00000659
ILMN_1808157	RPIB9	NM_138290.1	1.93	0.95	9.82	8.87	8.35E-07	0.0000066
ILMN_1731358	ZNF532	NM_018181.4	1.54	0.62	11.75	11.14	8.39E-07	0.00000663
ILMN_1798395	PIGH	NM_004569.2	1.64	0.71	11.23	10.52	8.61E-07	0.00000679
ILMN_1801845	DNAL4	NM_005740.2	1.60	0.68	12.91	12.23	8.69E-07	0.00000685
ILMN_1741632	RAB3IL1	NM_013401.2	1.61	0.69	11.28	10.59	8.75E-07	0.00000689

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ILMN_1681103	AQP1	NM_198098.1	1.93	0.95	9.06	8.11	8.8E-07	0.00000692
ILMN_1752009	NANOS1	NM_199461.2	1.88	0.91	8.54	7.63	8.84E-07	0.00000695
ILMN_2202239	ZNF474	NM_207317.1	1.84	0.88	8.31	7.43	8.84E-07	0.00000695
ILMN_1659415	MAP2K1IP1	NM_021970.2	1.54	0.62	12.67	12.05	8.88E-07	0.00000698
ILMN_2298818	RPS29	NM_001030001.1	2.06	1.04	12.85	11.81	9.21E-07	0.0000072
ILMN_2295252	C9ORF72	NM_018325.1	2.10	1.07	8.56	7.49	9.26E-07	0.00000722
ILMN_1664170	CUGBP2	NM_001025076.1	1.62	0.7	10.07	9.38	9.65E-07	0.00000751
ILMN_2401344	PPP2R2C	NM_181876.2	1.75	0.81	8.39	7.57	9.76E-07	0.00000759
ILMN_1654488	UTX	NM_021140.1	1.58	0.66	10.96	10.31	9.84E-07	0.00000764
ILMN_1664502	CRMP1	NM_001014809.1	1.92	0.94	8.48	7.54	9.93E-07	0.0000077
ILMN_2086095	ID2	NM_002166.4	2.20	1.14	12.35	11.21	9.95E-07	0.00000771
ILMN_1687035	TSRC1	NM_025008.2	1.79	0.84	8.76	7.92	1.01E-06	0.0000078
ILMN_1696127	KIAA0240	NM_015349.1	1.74	0.8	11.23	10.43	1.02E-06	0.00000787
ILMN_1811957	CAMSAP1	NM_015447.1	1.62	0.7	12.41	11.71	1.03E-06	0.00000796
ILMN_1738401	FOXC1	NM_001453.1	1.80	0.85	9.21	8.35	1.04E-06	0.00000802
ILMN_1714383	TPD52L1	NM_001003396.1	1.49	0.58	10.8	10.22	1.04E-06	0.00000803
ILMN_2320513	APBB3	NM_133173.2	1.77	0.82	10.95	10.13	1.05E-06	0.00000807
ILMN_1745365	PKNOX1	NM_197976.1	1.56	0.64	11.09	10.45	1.05E-06	0.00000808
ILMN_1684629	C20ORF26	NM_015585.2	2.03	1.02	8.4	7.38	1.06E-06	0.0000082
ILMN_1700268	QPRT	NM_014298.3	1.67	0.74	12.63	11.89	1.06E-06	0.0000082
ILMN_1654013	C17ORF28	NM_030630.1	2.03	1.02	8.99	7.97	1.07E-06	0.00000822
ILMN_1718607	TSPAN4	NM_001025235.1	1.74	0.8	12.3	11.5	1.07E-06	0.00000822
ILMN_2106902	CHES1	NM_005197.2	1.61	0.69	11.89	11.2	0.0000011	0.00000849
ILMN_2212999	KIF5C	NM_004522.1	1.58	0.66	14.16	13.5	1.11E-06	0.00000849
ILMN_1810199	ASRGL1	NM_025080.2	1.72	0.78	10.42	9.64	1.11E-06	0.00000853
ILMN_1796075	VPS41	NM_014396.3	1.61	0.69	10.25	9.56	1.11E-06	0.00000855
ILMN_2405400	GRK4	NM_001004057.1	1.59	0.67	9.94	9.27	1.12E-06	0.00000859
ILMN_1789436	FLJ20054	NM_019049.1	1.56	0.64	10	9.36	1.15E-06	0.00000879
ILMN_1777853	OACT2	XM_938724.1	1.85	0.89	10.74	9.84	1.16E-06	0.00000888
ILMN_1806705	ASB6	NM_177999.1	1.75	0.81	10.73	9.92	1.16E-06	0.00000888
ILMN_1706664	FAM80A	NM_173642.1	1.78	0.83	9.84	9.01	1.18E-06	0.00000898
ILMN_1797861	IL6ST	NM_002184.2	2.00	1	9.63	8.63	1.18E-06	0.00000899
ILMN_1780302	DYNC1H1	NM_001376.2	1.74	0.8	12.47	11.66	1.19E-06	0.00000905
ILMN_2108735	EEF1A2	NM_001958.2	1.53	0.61	12.21	11.6	1.19E-06	0.00000907
ILMN_1741422	FUT8	NM_178154.1	1.82	0.86	11.34	10.47	1.19E-06	0.00000908
ILMN_1694847	TERF1	NM_017489.1	1.68	0.75	11.67	10.92	0.0000012	0.0000091
ILMN_1814526	ADD3	NM_016824.3	2.20	1.14	12.32	11.18	0.0000012	0.00000913
ILMN_2255579	RAB37	NM_175738.3	1.87	0.9	8.22	7.32	0.0000012	0.00000913
ILMN_1735275	WDSUB1	NM_152528.1	1.71	0.77	10.49	9.72	1.23E-06	0.0000093
ILMN_2136177	CNOT6	NM_015455.3	1.58	0.66	12.21	11.54	1.24E-06	0.00000939
ILMN_1806448	NTNG2	NM_032536.1	1.58	0.66	8.81	8.14	1.24E-06	0.0000094
ILMN_1685122	COL9A2	NM_001852.3	1.66	0.73	9.45	8.72	1.24E-06	0.00000941
ILMN_2408877	MLL3	NM_170606.2	2.11	1.08	9.91	8.84	1.25E-06	0.00000944

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ILMN_2358647	FBXO21	NM_033624.2	1.56	0.64	12.12	11.49	1.25E-06	0.00000948
ILMN_2379626	PCDH9	NM_020403.3	1.92	0.94	8.55	7.61	1.26E-06	0.00000951
ILMN_1814790	SHANK2	NM_012309.1	1.71	0.77	8.83	8.06	1.27E-06	0.00000957
ILMN_1782441	CDKL2	NM_003948.2	1.87	0.9	8.27	7.37	1.27E-06	0.00000957
ILMN_1785380	SLC1A2	NM_004171.2	2.14	1.1	11.51	10.42	0.0000013	0.00000978
ILMN_1764694	KIAA1559	NM_020917.1	1.88	0.91	9.53	8.62	0.0000013	0.0000098
ILMN_1719622	RABEP1	NM_004703.3	1.62	0.7	12.53	11.83	1.32E-06	0.00000991
ILMN_1651987	C6ORF129	NM_138493.1	1.72	0.78	13.67	12.89	1.36E-06	0.0000102
ILMN_2282077	MIB2	NM_080875.1	1.54	0.62	10.97	10.35	1.37E-06	0.0000102
ILMN_2411897	KLF10	NM_005655.1	1.57	0.65	10.28	9.63	1.39E-06	0.0000104
ILMN_1696757	TTC14	NM_133462.1	1.58	0.66	11.2	10.54	1.39E-06	0.0000104
ILMN_1762284	FLJ25084	NM_152792.1	1.87	0.9	8.89	7.98	1.41E-06	0.0000105
ILMN_1748057	LASS4	NM_024552.1	1.68	0.75	10.05	9.3	1.41E-06	0.0000106
ILMN_2157510	BLOC1S1	NM_001487.1	1.83	0.87	13.1	12.22	1.44E-06	0.0000107
ILMN_2186806	HLA-F	NM_018950.1	1.59	0.67	11.59	10.93	1.45E-06	0.0000108
ILMN_2261882	KIAA0368	NM_001080398.1	1.52	0.6	10.19	9.59	1.45E-06	0.0000108
ILMN_1731135	RAB11B	NM_004218.1	1.56	0.64	10.08	9.45	1.48E-06	0.000011
ILMN_1702229	CECR6	NM_031890.2	1.82	0.86	10.92	10.06	1.51E-06	0.0000112
ILMN_1751120	HIST1H4H	NM_003543.3	1.66	0.73	9.93	9.19	1.52E-06	0.0000112
ILMN_2130525	TSPAN13	NM_014399.3	2.28	1.19	9.52	8.33	1.52E-06	0.0000113
ILMN_1772148	SULT1C2	NM_006588.2	1.77	0.82	10.1	9.28	1.56E-06	0.0000115
ILMN_1711208	CELSR2	NM_001408.1	2.08	1.06	11.7	10.64	1.57E-06	0.0000116
ILMN_1781580	BRI3	NM_015379.3	1.54	0.62	13.62	13.01	1.57E-06	0.0000116
ILMN_2377900	MAP1B	NM_032010.1	1.59	0.67	14.35	13.68	1.57E-06	0.0000116
ILMN_1746883	SAT2	NM_133491.2	1.59	0.67	12.45	11.77	1.58E-06	0.0000117
ILMN_1780057	RENBP	NM_002910.4	1.78	0.83	11.8	10.96	1.58E-06	0.0000117
ILMN_1700432	ITPKB	NM_002221.2	1.61	0.69	12.2	11.51	1.61E-06	0.0000118
ILMN_1764813	B3GTL	NM_194318.2	1.75	0.81	10.73	9.92	1.61E-06	0.0000119
ILMN_1751453	ABCC9	NM_020297.1	2.97	1.57	9.02	7.44	1.62E-06	0.0000119
ILMN_1686889	LOC619208	NM_001033564.1	1.69	0.76	9.82	9.06	1.63E-06	0.000012
ILMN_2058782	IFI27	NM_005532.3	1.66	0.73	8.59	7.86	1.64E-06	0.0000121
ILMN_1728305	PUM2	NM_015317.1	1.55	0.63	12.58	11.95	1.67E-06	0.0000122
ILMN_1785290	DOK6	NM_152721.2	1.54	0.62	9.84	9.23	1.67E-06	0.0000123
ILMN_1742330	PLXNB1	NM_002673.3	1.74	0.8	12.18	11.38	1.68E-06	0.0000123
ILMN_1669599	DENND4C	NM_017925.3	1.55	0.63	11.18	10.54	1.68E-06	0.0000123
ILMN_1803018	KIFC2	NM_145754.2	1.62	0.7	10.91	10.21	0.0000017	0.0000124
ILMN_1808783	STRBP	NM_018387.2	1.67	0.74	10.32	9.58	1.76E-06	0.0000128
ILMN_1751471	MLC1	NM_015166.2	1.85	0.89	12.32	11.43	1.78E-06	0.0000129
ILMN_1665964	GAB2	NM_080491.1	1.59	0.67	11.35	10.68	1.79E-06	0.0000131
ILMN_1710268	ZNF659	NM_024697.1	1.56	0.64	11.9	11.27	0.0000018	0.0000131
ILMN_2279961	LAMP2	NM_013995.1	2.22	1.15	13.84	12.69	1.83E-06	0.0000133
ILMN_1667298	LOC201229	XM_942296.1	2.14	1.1	9.64	8.54	1.85E-06	0.0000134
ILMN_1707350	TUSC1	NM_001004125.1	1.56	0.64	10.31	9.67	1.88E-06	0.0000136

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ILMN_1696615	CA8	NM_004056.4	2.28	1.19	8.52	7.34	0.000019	0.0000137
ILMN_2404063	APP	NM_201414.1	1.80	0.85	14.15	13.3	1.92E-06	0.0000139
ILMN_1658677	DTX3	NM_178502.2	1.68	0.75	11.67	10.92	1.93E-06	0.0000139
ILMN_1778991	NFIB	NM_005596.1	1.54	0.62	14.01	13.39	1.94E-06	0.000014
ILMN_2228196	C6ORF170	NM_152730.4	1.59	0.67	10.42	9.75	1.98E-06	0.0000142
ILMN_1784287	TGFBR3	NM_003243.2	1.89	0.92	9.38	8.46	1.98E-06	0.0000143
ILMN_1695947	SCN4B	NM_174934.1	1.60	0.68	10.73	10.05	1.99E-06	0.0000143
ILMN_2362982	ARID4B	NM_016374.5	1.56	0.64	10.42	9.78	2.01E-06	0.0000144
ILMN_1659599	ADC	NM_052998.2	1.85	0.89	10.12	9.23	2.01E-06	0.0000145
ILMN_2047885	PCDHB9	NM_019119.3	1.95	0.96	9.26	8.29	2.07E-06	0.0000148
ILMN_1703244	MAP1LC3B	NM_022818.3	1.53	0.61	13.38	12.77	2.08E-06	0.0000149
ILMN_1748245	LRRTM2	NM_015564.1	1.91	0.93	9.9	8.97	2.09E-06	0.0000149
ILMN_1786021	PRKAB2	NM_005399.3	1.62	0.7	10.73	10.03	2.13E-06	0.0000152
ILMN_1706960	KIAA1217	NM_019590.2	1.61	0.69	8.85	8.16	2.15E-06	0.0000153
ILMN_1776283	LGALS12	NM_033101.2	2.10	1.07	8.92	7.86	2.15E-06	0.0000153
ILMN_2153916	HSPA2	NM_021979.2	2.23	1.16	9.81	8.66	2.16E-06	0.0000154
ILMN_1768732	SPAG16	NM_001025436.1	1.64	0.71	10.69	9.98	2.17E-06	0.0000154
ILMN_1683234	DNAJC1	NM_022365.2	2.10	1.07	8.57	7.5	2.18E-06	0.0000155
ILMN_1805996	SIN3A	NM_015477.1	1.53	0.61	12.56	11.95	0.0000022	0.0000156
ILMN_1681998	AP2B1	NM_001282.2	1.58	0.66	11.43	10.77	2.21E-06	0.0000157
ILMN_1801866	BRWD1	NM_033656.2	2.08	1.06	9.46	8.4	2.26E-06	0.000016
ILMN_2216815	MAP7	NM_003980.3	2.71	1.44	9.19	7.74	2.26E-06	0.000016
ILMN_1801476	CDS1	NM_001263.2	1.97	0.98	8.08	7.1	2.29E-06	0.0000162
ILMN_1651771	RRAGB	NM_016656.2	2.71	1.44	9.12	7.68	2.29E-06	0.0000162
ILMN_1690392	COMMD3	NM_012071.2	1.52	0.6	14.33	13.73	2.29E-06	0.0000162
ILMN_2168766	BAGE2	NM_182482.1	1.65	0.72	8.26	7.54	0.0000023	0.0000163
ILMN_1799589	NOXA1	NM_006647.1	1.82	0.86	9.56	8.7	2.32E-06	0.0000164
ILMN_1801588	FN3K	NM_022158.2	1.49	0.58	8.6	8.02	2.32E-06	0.0000164
ILMN_1755741	DACH1	NM_080759.3	1.79	0.84	12.01	11.18	2.35E-06	0.0000166
ILMN_2199947	REV3L	NM_002912.1	2.19	1.13	10.21	9.08	2.38E-06	0.0000168
ILMN_1771728	PXMP4	NM_007238.3	1.61	0.69	9.87	9.18	2.41E-06	0.000017
ILMN_1746784	FLJ30046	NM_144595.2	2.01	1.01	13.24	12.23	2.41E-06	0.000017
ILMN_1803779	AP2A2	NM_012305.2	1.72	0.78	10.73	9.95	2.43E-06	0.0000171
ILMN_1737965	ELOVL4	NM_022726.2	1.55	0.63	10.88	10.25	2.46E-06	0.0000173
ILMN_2099487	LOC201229	NM_001076680.1	1.79	0.84	8.68	7.84	2.48E-06	0.0000174
ILMN_1663068	MGC33556	NM_001004307.1	1.65	0.72	9.03	8.31	2.49E-06	0.0000175
ILMN_2095759	OGFRL1	NM_024576.3	1.61	0.69	9.38	8.69	2.55E-06	0.0000178
ILMN_2073592	CAND2	NM_012298.1	1.53	0.61	11.68	11.07	2.55E-06	0.0000179
ILMN_1702226	C21ORF34	NM_001005732.1	1.66	0.73	9.51	8.79	2.56E-06	0.0000179
ILMN_1795435	ZNF264	NM_003417.2	1.59	0.67	10.95	10.28	2.61E-06	0.0000182
ILMN_1690621	MASS1	NM_032119.1	2.06	1.04	9.19	8.15	2.61E-06	0.0000182
ILMN_1711015	CRYAA	NM_000394.2	1.71	0.77	8.37	7.6	2.65E-06	0.0000184
ILMN_2365223	NEK11	NM_145910.1	1.61	0.69	9.93	9.23	2.67E-06	0.0000186

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ILMN_1769195	CAST1	NM_015576.1	1.92	0.94	8.44	7.5	2.67E-06	0.0000186
ILMN_1709681	GABRB3	NM_000814.3	1.60	0.68	12.32	11.64	2.69E-06	0.0000187
ILMN_1716728	C6ORF64	NM_018322.1	1.55	0.63	10.39	9.76	0.0000027	0.0000188
ILMN_2252495	UBE2L6	NM_198183.1	1.71	0.77	8.52	7.75	2.71E-06	0.0000188
ILMN_2095273	KIAA1407	NM_020817.1	1.67	0.74	9.68	8.94	2.74E-06	0.000019
ILMN_1708016	C20ORF108	NM_080821.1	2.06	1.04	12.47	11.43	2.75E-06	0.0000191
ILMN_1741684	SMPD1	NM_000543.3	1.56	0.64	10.96	10.31	2.75E-06	0.0000191
ILMN_1663897	ALS2CR16	NM_205543.1	1.68	0.75	8.51	7.76	2.79E-06	0.0000193
ILMN_2045994	SEPW1	NM_003009.2	1.61	0.69	13.56	12.88	0.0000028	0.0000194
ILMN_1667030	HSBP1	NM_001537.2	1.52	0.6	14.75	14.15	2.82E-06	0.0000195
ILMN_1703686	BRF1	NM_145696.1	1.56	0.64	10.67	10.03	2.83E-06	0.0000196
ILMN_2094351	NUDT9P1	NR_002779.1	1.85	0.89	8.14	7.25	2.85E-06	0.0000197
ILMN_1671076	BAI3	NM_001704.1	1.54	0.62	11.49	10.87	2.89E-06	0.00002
ILMN_1736015	PHF17	NM_024900.2	1.56	0.64	10.81	10.17	0.0000029	0.00002
ILMN_1724350	TRIM36	NM_018700.3	1.72	0.78	9.03	8.26	2.92E-06	0.0000201
ILMN_1739199	LOC349338	NM_182905.1	1.58	0.66	10	9.34	2.92E-06	0.0000201
ILMN_1660549	GPR177	NM_001002292.1	2.16	1.11	10.72	9.61	2.95E-06	0.0000203
ILMN_1730639	SLC22A15	NM_018420.1	1.62	0.7	8.28	7.58	2.97E-06	0.0000205
ILMN_1659923	GNAQ	NM_002072.2	1.54	0.62	12.3	11.67	3.01E-06	0.0000207
ILMN_1775549	PRSS27	NM_031948.3	1.99	0.99	8.94	7.95	3.02E-06	0.0000207
ILMN_1767135	SOS1	NM_005633.2	1.60	0.68	10.04	9.37	3.03E-06	0.0000208
ILMN_1666206	GSDML	NM_018530.1	1.56	0.64	9.54	8.9	3.05E-06	0.0000209
ILMN_1760909	FGF19	NM_005117.2	1.83	0.87	9.2	8.33	3.06E-06	0.000021
ILMN_1681757	FAM80B	NM_020734.1	2.07	1.05	9.47	8.42	3.09E-06	0.0000212
ILMN_2394561	IRF2BP2	NM_182972.1	1.58	0.66	11.28	10.63	0.0000031	0.0000212
ILMN_2337923	TPD52L1	NM_001003397.1	1.59	0.67	10.92	10.26	3.11E-06	0.0000213
ILMN_1763704	RGS11	NM_183337.1	1.79	0.84	11.96	11.12	3.11E-06	0.0000213
ILMN_1804737	RAVER2	NM_018211.2	1.51	0.59	10.72	10.13	3.12E-06	0.0000214
ILMN_1727553	LOC63920	NM_022090.3	1.52	0.6	10.46	9.87	3.13E-06	0.0000214
ILMN_2180352	DIP2B	NM_173602.2	1.60	0.68	13.18	12.51	3.14E-06	0.0000215
ILMN_2252813	TAF5L	NM_014409.3	2.03	1.02	9.46	8.44	3.16E-06	0.0000216
ILMN_2115340	HIST2H4A	NM_003548.2	1.79	0.84	9.93	9.09	3.19E-06	0.0000217
ILMN_2345142	SULF2	NM_018837.2	1.53	0.61	11.59	10.98	0.0000032	0.0000218
ILMN_1702517	CDON	NM_016952.3	1.88	0.91	8.56	7.65	3.21E-06	0.0000218
ILMN_1693762	LRRC48	NM_031294.2	1.68	0.75	8.31	7.56	3.22E-06	0.0000219
ILMN_1658639	LOC283537	NM_181785.1	1.78	0.83	9.54	8.71	3.24E-06	0.0000221
ILMN_2211065	TMEM91	NM_001042595.1	2.14	1.1	10.44	9.34	0.0000033	0.0000224
ILMN_1811616	KIAA1706	NM_030636.2	1.52	0.6	10.23	9.63	3.34E-06	0.0000227
ILMN_1683377	MDH1B	NM_206892.1	1.66	0.73	8.97	8.25	3.36E-06	0.0000228
ILMN_1802205	RHOB	NM_004040.2	1.66	0.73	11.79	11.06	3.36E-06	0.0000228
ILMN_2287653	PLAG1	NM_002655.1	1.82	0.86	8.01	7.15	3.43E-06	0.0000232
ILMN_1703408	FZD3	NM_017412.2	1.64	0.71	13.28	12.57	3.44E-06	0.0000233
ILMN_2089656	C1ORF107	NM_014388.5	2.01	1.01	9.63	8.62	3.51E-06	0.0000238

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ILMN_1770927	KIAA1026	NM_015209.1	1.61	0.69	10.07	9.38	3.52E-06	0.0000238
ILMN_1686985	MTM1	NM_000252.1	1.52	0.6	11.19	10.59	3.55E-06	0.000024
ILMN_2098616	AXIIR	NM_001014279.1	1.64	0.71	9.23	8.52	3.55E-06	0.000024
ILMN_2149766	APPBP2	NM_006380.2	1.51	0.59	12.9	12.3	0.0000036	0.0000243
ILMN_1775042	WDR69	NM_178821.1	1.74	0.8	8.15	7.35	3.68E-06	0.0000248
ILMN_1676449	SLIT2	NM_004787.1	1.96	0.97	10.99	10.02	3.72E-06	0.000025
ILMN_1665775	MOSC2	NM_017898.3	1.49	0.58	10.22	9.64	3.76E-06	0.0000252
ILMN_2287535	ACCN4	NM_018674.3	1.67	0.74	8.13	7.39	0.0000038	0.0000255
ILMN_2410182	VMD2L3	NM_152439.1	1.51	0.59	10.49	9.89	3.81E-06	0.0000256
ILMN_2397776	ASB6	NM_177999.1	1.82	0.86	10.61	9.75	3.82E-06	0.0000256
ILMN_2394897	ACCN4	NM_018674.3	1.77	0.82	8.72	7.9	3.85E-06	0.0000258
ILMN_1755990	LOC92270	NM_001017971.1	1.60	0.68	9.59	8.91	3.94E-06	0.0000264
ILMN_1745374	IFI35	NM_005533.2	1.73	0.79	11.27	10.48	3.99E-06	0.0000267
ILMN_2263718	SPAG9	NM_003971.3	1.79	0.84	13.02	12.18	4.03E-06	0.0000269
ILMN_1793378	KCTD16	NM_020768.1	2.04	1.03	8.47	7.44	4.03E-06	0.0000269
ILMN_1700515	C17ORF58	XM_942508.1	1.53	0.61	12.47	11.85	4.04E-06	0.0000269
ILMN_1661335	SPTBN1	NM_003128.1	1.85	0.89	12.42	11.53	4.04E-06	0.000027
ILMN_1708508	PPM1E	NM_014906.3	1.57	0.65	11.15	10.5	4.09E-06	0.0000272
ILMN_1738237	HS1BP3	NM_022460.3	1.73	0.79	10.7	9.91	0.0000041	0.0000273
ILMN_2277419	MGC15523	NM_001037984.1	1.58	0.66	10.27	9.61	4.19E-06	0.0000279
ILMN_2206141	BAGE5	NM_182484.1	1.69	0.76	8.72	7.96	4.23E-06	0.0000281
ILMN_1736165	MLL3	NM_021230.1	1.91	0.93	9.81	8.88	4.27E-06	0.0000284
ILMN_1702231	C1ORF54	NM_024579.1	1.69	0.76	13.04	12.29	4.29E-06	0.0000285
ILMN_1663131	LYST	NM_001005736.1	1.62	0.7	10.22	9.52	4.34E-06	0.0000288
ILMN_1718633	LRP5L	NM_182492.1	1.71	0.77	8.83	8.06	4.35E-06	0.0000288
ILMN_2269900	PACRG	NM_001080379.1	1.80	0.85	9.21	8.35	4.44E-06	0.0000294
ILMN_1783671	PCDHB12	NM_018932.3	2.10	1.07	9.38	8.31	0.0000045	0.0000297
ILMN_1658513	IQSEC2	NM_015075.1	1.56	0.64	8.96	8.32	4.56E-06	0.0000301
ILMN_1755727	JARID1B	NM_006618.3	1.60	0.68	13.53	12.85	4.61E-06	0.0000304
ILMN_1815500	ITPR3	NM_002224.1	1.66	0.73	10.09	9.37	4.67E-06	0.0000308
ILMN_1699254	PLEKHH1	NM_020715.1	1.82	0.86	9.74	8.88	4.68E-06	0.0000309
ILMN_2404407	ABAT	NM_000663.3	1.97	0.98	9.13	8.15	4.73E-06	0.0000311
ILMN_1815366	FLJ21865	NM_022759.1	1.59	0.67	9.93	9.26	4.79E-06	0.0000315
ILMN_1770388	VPS39	NM_015289.2	1.54	0.62	10.87	10.25	4.83E-06	0.0000317
ILMN_1698038	FLJ22374	NM_032222.1	1.69	0.76	9	8.24	4.88E-06	0.000032
ILMN_1742949	PDZRN3	NM_015009.1	1.71	0.77	8.9	8.13	0.0000049	0.0000322
ILMN_1768510	MAN2B2	NM_015274.1	1.54	0.62	11.55	10.93	4.96E-06	0.0000325
ILMN_1792409	AMOT	NM_133265.2	1.49	0.58	11.97	11.39	4.96E-06	0.0000325
ILMN_2120247	SLC2A10	NM_030777.3	1.59	0.67	11.73	11.05	4.99E-06	0.0000327
ILMN_1791306	C9ORF103	NM_001001551.1	1.62	0.7	10.44	9.74	5.06E-06	0.0000331
ILMN_2379240	RGS11	NM_183337.1	1.52	0.6	9.33	8.73	5.06E-06	0.0000331
ILMN_1760062	IFI44	NM_006417.2	1.59	0.67	10.76	10.09	5.18E-06	0.0000337
ILMN_1680390	GCNT2	NM_001491.2	1.64	0.71	10.35	9.64	5.27E-06	0.0000343

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ILMN_1773620	SMARCC2	NM_003075.2	1.51	0.59	13.28	12.7	5.28E-06	0.0000343
ILMN_1676296	PPAP2A	NM_176895.1	1.65	0.72	9.09	8.37	5.39E-06	0.000035
ILMN_1734991	PPM1B	NM_001033556.1	1.93	0.95	9.05	8.1	5.47E-06	0.0000355
ILMN_2211728	GUCA1B	NM_002098.3	1.59	0.67	9	8.33	5.53E-06	0.0000358
ILMN_1767441	FBXL14	NM_152441.1	2.01	1.01	8.81	7.81	5.53E-06	0.0000358
ILMN_1699440	ZNF651	NM_145166.2	1.67	0.74	11.06	10.32	5.58E-06	0.0000361
ILMN_1746604	IL6ST	NM_175767.1	1.58	0.66	8.78	8.12	0.0000056	0.0000362
ILMN_1793384	JAK1	NM_002227.1	1.67	0.74	11.58	10.84	5.62E-06	0.0000363
ILMN_2227120	KIF5A	NM_004984.2	1.87	0.9	8.97	8.07	5.65E-06	0.0000365
ILMN_2366473	ABCC9	NM_020298.2	2.03	1.02	9.44	8.43	5.75E-06	0.0000371
ILMN_1661299	TLE6	NM_024760.1	1.68	0.75	9.85	9.1	5.76E-06	0.0000371
ILMN_2140380	ZBTB12	NM_181842.1	1.96	0.97	8.89	7.92	5.81E-06	0.0000374
ILMN_1790154	PHF21B	NM_138415.1	1.56	0.64	10.21	9.58	5.88E-06	0.0000378
ILMN_1678781	SNX26	NM_052948.2	1.53	0.61	12.88	12.28	6.08E-06	0.0000389
ILMN_2391419	SYNE2	NM_015180.4	2.41	1.27	10.04	8.77	6.13E-06	0.0000392
ILMN_1655577	TIAM1	NM_003253.1	1.59	0.67	10.77	10.1	6.27E-06	0.0000401
ILMN_1654861	ACO2	NM_001098.2	1.53	0.61	12.25	11.64	6.28E-06	0.0000401
ILMN_2290893	PCDHA3	NM_018906.2	2.14	1.1	9.77	8.67	6.31E-06	0.0000403
ILMN_2044572	TBC1D20	NM_144628.2	1.65	0.72	11.81	11.1	6.32E-06	0.0000403
ILMN_2295518	TRO	NM_001039705.1	1.58	0.66	12.76	12.1	6.38E-06	0.0000407
ILMN_1690921	STAT2	NM_005419.2	1.54	0.62	13.03	12.41	6.52E-06	0.0000415
ILMN_1723886	ZFP2	NM_030613.2	1.55	0.63	10.37	9.73	6.55E-06	0.0000416
ILMN_1752032	PPP2R3B	NM_199326.1	1.62	0.7	9.2	8.5	6.59E-06	0.0000418
ILMN_1704210	CNTNAP4	NM_033401.2	1.61	0.69	8.23	7.54	6.72E-06	0.0000426
ILMN_1742541	ZNF518	NM_014803.2	1.58	0.66	9.92	9.26	6.81E-06	0.0000431
ILMN_2304289	GRIP1	NM_021150.1	2.03	1.02	8.16	7.15	6.91E-06	0.0000437
ILMN_1670008	FLCN	NM_144997.4	1.72	0.78	9.81	9.02	6.93E-06	0.0000438
ILMN_2411791	CNTFR	NM_001842.3	1.88	0.91	8.6	7.69	6.99E-06	0.0000441
ILMN_2202637	CRY1	NM_004075.2	1.89	0.92	11.45	10.52	7.06E-06	0.0000446
ILMN_2102069	SLC16A4	NM_004696.1	1.66	0.73	8.95	8.22	7.16E-06	0.0000451
ILMN_1687743	BTBD7	NM_001002860.2	1.55	0.63	11.27	10.64	7.17E-06	0.0000451
ILMN_2094313	ZDHHC1	NM_013304.1	1.60	0.68	10.26	9.58	7.26E-06	0.0000457
ILMN_2405534	GAB1	NM_002039.2	1.55	0.63	10.37	9.75	7.36E-06	0.0000462
ILMN_1813104	GALNTL2	NM_054110.2	2.08	1.06	8.45	7.39	7.42E-06	0.0000466
ILMN_1652371	KIAA1324L	NM_152748.2	2.01	1.01	8.9	7.89	7.43E-06	0.0000466
ILMN_2214355	RAB30	NM_014488.3	1.71	0.77	9.25	8.48	7.45E-06	0.0000467
ILMN_2097259	CYP2U1	NM_183075.2	1.57	0.65	10.15	9.51	7.54E-06	0.0000472
ILMN_2304186	MITF	NM_198158.1	1.68	0.75	8.95	8.2	7.63E-06	0.0000478
ILMN_1668559	RGS10	NM_001005339.1	1.92	0.94	10.07	9.12	7.66E-06	0.0000479
ILMN_1799082	ZNF609	NM_015042.1	1.67	0.74	10.22	9.48	7.66E-06	0.0000479
ILMN_1668683	MLL	NM_005933.2	1.72	0.78	9.91	9.13	7.68E-06	0.000048
ILMN_1758229	QSCN6	NM_002826.4	2.16	1.11	9.57	8.46	7.69E-06	0.0000481
ILMN_1665871	ANGEL1	NM_015305.2	1.62	0.7	10.04	9.34	7.74E-06	0.0000483

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ILMN_1697975	PHF14	NM_014660.2	1.78	0.83	9.87	9.04	7.77E-06	0.0000485
ILMN_1723494	SIRT2	NM_030593.1	1.61	0.69	10.52	9.83	7.87E-06	0.000049
ILMN_2198867	WDR49	NM_178824.3	1.58	0.66	7.85	7.19	7.93E-06	0.0000494
ILMN_1663665	FLJ46082	NM_207417.1	1.74	0.8	7.96	7.16	7.96E-06	0.0000495
ILMN_1677326	HYDIN	XM_936224.1	1.60	0.68	8.4	7.72	8.04E-06	0.0000499
ILMN_1748642	C9ORF18	NM_198469.1	1.73	0.79	7.95	7.16	8.05E-06	0.00005
ILMN_2097858	KIAA1737	NM_033426.2	1.54	0.62	11.98	11.35	8.05E-06	0.00005
ILMN_2199439	CA2	NM_000067.1	1.60	0.68	9.89	9.2	8.19E-06	0.0000507
ILMN_1699503	UBE2D2	NM_003339.2	1.56	0.64	11.1	10.46	8.22E-06	0.0000509
ILMN_1723536	USP33	NM_201626.1	1.68	0.75	10.51	9.76	8.23E-06	0.0000509
ILMN_1723124	GALK2	NM_001001556.1	2.10	1.07	9.59	8.52	8.24E-06	0.000051
ILMN_2144426	HIST2H2AA	NM_003516.2	1.65	0.72	11.81	11.09	8.25E-06	0.000051
ILMN_2285112	FBXO11	NM_025133.3	1.58	0.66	13.25	12.59	8.27E-06	0.0000511
ILMN_1655748	ZNF323	NM_145909.1	1.67	0.74	9.86	9.13	8.37E-06	0.0000517
ILMN_2381834	TRIM69	NM_080745.3	1.84	0.88	9.27	8.39	8.37E-06	0.0000517
ILMN_1760303	PIK3R1	NM_181504.2	1.52	0.6	11.29	10.69	8.41E-06	0.0000519
ILMN_1664928	ZNF599	NM_001007248.1	1.87	0.9	8.84	7.94	8.45E-06	0.0000521
ILMN_1712419	DCDC2	NM_016356.1	1.77	0.82	8.36	7.54	0.000009	0.0000551
ILMN_2329114	COLQ	NM_080539.2	1.62	0.7	8.38	7.68	9.03E-06	0.0000553
ILMN_1799529	ZNF441	NM_152355.1	1.64	0.71	8.43	7.71	9.15E-06	0.000056
ILMN_1772824	WNT5B	NM_032642.2	1.56	0.64	9.91	9.28	9.29E-06	0.0000567
ILMN_1657515	RPS6KA5	NM_004755.2	1.49	0.58	10.45	9.86	9.31E-06	0.0000569
ILMN_1793002	FLJ25067	NM_152504.2	2.06	1.04	10.15	9.1	9.32E-06	0.0000569
ILMN_2095840	MYST3	NM_006766.2	1.85	0.89	12.43	11.53	9.38E-06	0.0000572
ILMN_1766359	GATAD2B	NM_020699.1	1.52	0.6	11.37	10.77	9.38E-06	0.0000572
ILMN_1748884	TOB2	NM_016272.3	1.77	0.82	10.3	9.48	9.54E-06	0.0000581
ILMN_1767343	LOC126147	NM_145807.1	1.77	0.82	8.13	7.3	9.68E-06	0.0000589
ILMN_1712461	CBLN1	NM_004352.1	1.73	0.79	8.71	7.93	9.78E-06	0.0000595
ILMN_2341595	KITLG	NM_000899.3	2.25	1.17	10.31	9.13	9.93E-06	0.0000602
ILMN_1682227	ZNF404	NM_001033719.1	2.10	1.07	9.33	8.26	9.96E-06	0.0000604
ILMN_2211790	ADAMTS7	NM_014272.2	1.60	0.68	8.27	7.59	9.97E-06	0.0000604
ILMN_2059797	NOL3	NM_003946.3	1.53	0.61	9.91	9.3	9.99E-06	0.0000605
ILMN_1807031	C14ORF28	NM_001017923.1	1.61	0.69	9.59	8.91	0.0000101	0.0000608
ILMN_2404688	NUPR1	NM_001042483.1	1.65	0.72	10.41	9.7	0.0000101	0.0000612
ILMN_1747932	TMPRSS7	XM_938469.1	1.59	0.67	7.63	6.97	0.0000101	0.0000613
ILMN_1668586	KCND1	NM_004979.4	1.56	0.64	9.32	8.68	0.0000102	0.0000614
ILMN_1734346	C19ORF36	NM_001031735.1	1.69	0.76	9.16	8.4	0.0000102	0.0000616
ILMN_1742450	TAPBP	NM_003190.3	1.52	0.6	12.4	11.81	0.0000103	0.0000622
ILMN_1799487	CG018	NM_052818.1	1.78	0.83	8.65	7.83	0.0000104	0.000063
ILMN_2294684	CEP170	NM_014812.2	1.64	0.71	9.34	8.64	0.0000105	0.0000631
ILMN_1809496	COPG2	NM_012133.2	1.68	0.75	11.34	10.59	0.0000106	0.000064
ILMN_1715203	DNAH7	NM_018897.1	1.65	0.72	8.59	7.87	0.000011	0.0000657
ILMN_2361810	DRD3	NM_000796.3	1.66	0.73	8.24	7.51	0.000011	0.0000661

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ILMN_2134130	FLG	NM_002016.1	2.66	1.41	8.2	6.79	0.0000112	0.0000669
ILMN_1745533	LOC81558	NM_030802.2	1.83	0.87	8.63	7.76	0.0000112	0.000067
ILMN_2041780	SNTG2	NM_018968.2	1.79	0.84	8.17	7.33	0.0000112	0.000067
ILMN_2224990	HIST1H4J	NM_021968.3	2.43	1.28	9.65	8.37	0.0000112	0.000067
ILMN_1786273	C1ORF122	NM_198446.1	1.51	0.59	12.96	12.37	0.0000115	0.0000687
ILMN_1736796	RB1CC1	NM_014781.3	1.53	0.61	12.08	11.47	0.0000116	0.0000692
ILMN_1685792	MAG11	NM_004742.2	1.51	0.59	8.6	8.01	0.0000117	0.0000698
ILMN_1703511	PDZRN3	XM_946222.1	1.89	0.92	9.24	8.33	0.0000117	0.0000698
ILMN_2273609	KIAA1543	NM_001080429.1	1.73	0.79	8.24	7.44	0.0000118	0.0000704
ILMN_1708485	BIN3	NM_018688.3	1.61	0.69	9.46	8.77	0.0000121	0.0000717
ILMN_1659075	HLA-DOA	NM_002119.3	1.69	0.76	9.38	8.62	0.0000123	0.0000729
ILMN_2062701	GAS1	NM_002048.1	2.08	1.06	10.02	8.96	0.0000128	0.0000756
ILMN_1790508	KCNA5	NM_002234.2	2.46	1.3	9.02	7.72	0.0000132	0.0000773
ILMN_1684571	TSGA2	NM_080860.2	1.64	0.71	8.94	8.23	0.0000132	0.0000777
ILMN_1652797	LOC400451	NM_207446.1	3.03	1.6	9.62	8.02	0.0000132	0.0000777
ILMN_1814316	A2BP1	NM_018723.2	1.78	0.83	8.08	7.25	0.0000133	0.0000779
ILMN_1745860	FLJ40852	NM_173677.1	1.71	0.77	9.72	8.95	0.0000133	0.000078
ILMN_2041483	PCDHB10	NM_018930.3	2.41	1.27	9.87	8.6	0.0000134	0.0000787
ILMN_1740572	TCN2	NM_000355.2	1.67	0.74	10.26	9.52	0.0000135	0.0000788
ILMN_2170476	PCDHB18	NR_001281.1	1.89	0.92	9.41	8.48	0.0000136	0.0000797
ILMN_1769769	CDKL4	NM_001009565.1	1.71	0.77	8.41	7.64	0.0000137	0.0000798
ILMN_1796490	GRINA	NM_000837.1	1.53	0.61	12.36	11.75	0.0000137	0.0000799
ILMN_2404065	APP	NM_201414.1	1.80	0.85	14.17	13.31	0.000014	0.0000815
ILMN_1762262	PKIA	NM_006823.2	1.64	0.71	11.67	10.96	0.0000143	0.0000832
ILMN_1711049	CACNA2D2	NM_001005505.1	2.03	1.02	9.41	8.39	0.0000146	0.0000847
ILMN_2351269	TTYH1	NM_001005367.1	1.68	0.75	12.81	12.06	0.0000148	0.0000858
ILMN_1754130	TRIM52	NM_032765.2	1.71	0.77	9.91	9.14	0.0000154	0.000089
ILMN_2353327	RNF38	NM_194328.2	1.62	0.7	11.12	10.43	0.0000155	0.0000895
ILMN_1737981	FSTL5	NM_020116.2	1.79	0.84	8.27	7.43	0.0000155	0.00009
ILMN_1731064	CABC1	NM_020247.3	1.73	0.79	11.1	10.31	0.0000156	0.0000902
ILMN_1797155	C17ORF75	NM_022344.2	1.61	0.69	9.81	9.12	0.0000156	0.0000903
ILMN_1803652	C9ORF91	NM_153045.2	1.60	0.68	9.54	8.85	0.0000158	0.0000911
ILMN_1746696	APRIN	NM_015032.1	1.67	0.74	10.51	9.77	0.000016	0.0000926
ILMN_1675984	ARHGEF7	NM_003899.2	1.66	0.73	9.8	9.08	0.000016	0.0000926
ILMN_1745607	A2M	NM_000014.4	2.51	1.33	12.11	10.79	0.0000162	0.0000933
ILMN_1814629	ZC3H12B	NM_001010888.1	1.65	0.72	9.22	8.5	0.0000162	0.0000934
ILMN_2412624	TP53I11	NM_006034.2	1.65	0.72	9.13	8.41	0.0000163	0.0000939
ILMN_1704362	ZNF174	NM_003450.1	1.73	0.79	9.39	8.59	0.0000165	0.0000947
ILMN_1770940	CDH1	NM_004360.2	1.82	0.86	8.19	7.33	0.0000167	0.0000961
ILMN_2400661	ZNF626	NM_001076675.1	1.60	0.68	10.46	9.77	0.0000172	0.0000986
ILMN_2196550	C13ORF18	NM_025113.1	1.69	0.76	8.58	7.82	0.0000178	0.0001
ILMN_1664047	CACNA1E	NM_000721.2	1.69	0.76	8.14	7.38	0.0000179	0.0001
ILMN_2278653	ZNF493	NM_001076678.1	1.78	0.83	9	8.17	0.000018	0.0001

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ILMN_1762803	RFXDC2	NM_022841.2	1.78	0.83	9.74	8.91	0.0000183	0.0001
ILMN_2186137	RRAD	NM_004165.1	1.54	0.62	7.9	7.28	0.0000183	0.0001
ILMN_1721629	ZNF654	NM_018293.2	1.55	0.63	9.97	9.33	0.0000184	0.0001
ILMN_1665547	CADPS	NM_183394.1	1.62	0.7	9.77	9.07	0.0000186	0.00011
ILMN_1712066	EXPH5	NM_015065.1	1.62	0.7	8.29	7.59	0.0000187	0.00011
ILMN_1665217	C3ORF34	NM_032898.2	1.53	0.61	10.02	9.41	0.0000193	0.00011
ILMN_2364384	PPARG	NM_138712.3	1.66	0.73	8.07	7.34	0.0000194	0.00011
ILMN_1807277	IFI30	NM_006332.3	1.69	0.76	8.39	7.63	0.0000196	0.00011
ILMN_1772727	GPR75	NM_006794.1	1.69	0.76	8.11	7.35	0.00002	0.00011
ILMN_1701681	SEC11L3	NM_033280.1	1.51	0.59	11.9	11.31	0.0000201	0.00011
ILMN_2381697	P4HA2	NM_001017974.1	1.64	0.71	10.02	9.32	0.0000202	0.00011
ILMN_2139396	NOPE	NM_020962.1	1.89	0.92	12.74	11.82	0.0000208	0.00012
ILMN_1698770	FLJ30596	NM_153013.2	1.64	0.71	9.79	9.08	0.000021	0.00012
ILMN_1667592	PARVB	NM_001003828.1	1.52	0.6	9.04	8.44	0.0000211	0.00012
ILMN_1741056	CXXC6	NM_030625.1	1.89	0.92	9.23	8.31	0.0000215	0.00012
ILMN_1663858	ZNF286	NM_020652.1	1.54	0.62	11.21	10.6	0.0000222	0.00012
ILMN_1662741	EDG4	NM_004720.4	1.65	0.72	10.78	10.06	0.0000222	0.00012
ILMN_1785731	MAPK8IP2	NM_012324.2	1.55	0.63	9.36	8.74	0.0000223	0.00012
ILMN_1815033	HPCA	NM_002143.2	1.83	0.87	8.37	7.5	0.0000239	0.00013
ILMN_1693483	FGF18	NM_033649.1	1.72	0.78	7.78	7	0.0000241	0.00013
ILMN_1690096	PPP1R1B	NM_032192.2	1.79	0.84	8.32	7.48	0.0000241	0.00013
ILMN_2093427	SHF	NM_138356.2	1.60	0.68	9.46	8.78	0.0000242	0.00013
ILMN_1736585	TMED10	NM_006827.4	1.62	0.7	13.33	12.62	0.0000244	0.00014
ILMN_2053334	LRRTM3	NM_178011.3	1.99	0.99	9.18	8.19	0.0000249	0.00014
ILMN_1772074	LOC352909	NM_001031802.1	1.56	0.64	9.27	8.63	0.0000249	0.00014
ILMN_1707461	TXNDC8	NM_001003936.1	1.68	0.75	7.9	7.15	0.0000249	0.00014
ILMN_1777895	LRRC37B	NM_052888.2	1.51	0.59	11.51	10.92	0.0000251	0.00014
ILMN_1801383	SMG1	NM_015092.3	1.72	0.78	11.45	10.67	0.0000252	0.00014
ILMN_2334359	GFRA1	NM_005264.3	1.60	0.68	9.31	8.62	0.0000253	0.00014
ILMN_1651504	C4ORF8	NM_003704.3	1.55	0.63	11.08	10.45	0.0000256	0.00014
ILMN_1789040	SLITRK5	NM_015567.1	1.80	0.85	8.48	7.63	0.0000258	0.00014
ILMN_1681542	HIST1H4E	NM_003545.3	1.55	0.63	8.72	8.09	0.0000259	0.00014
ILMN_2160005	NUMA1	NM_006185.2	1.71	0.77	11.91	11.14	0.0000259	0.00014
ILMN_1653412	RAXL1	NM_032753.2	1.49	0.58	10.05	9.47	0.0000267	0.00015
ILMN_2050813	CLGN	NM_004362.1	2.20	1.14	8.39	7.26	0.0000271	0.00015
ILMN_1679299	IGSF1	NM_001555.2	1.77	0.82	8.45	7.62	0.0000272	0.00015
ILMN_1654966	SCARA3	NM_182826.1	1.51	0.59	9.67	9.08	0.0000274	0.00015
ILMN_1652381	LOC653723	XM_929209.1	1.62	0.7	8.78	8.08	0.0000275	0.00015
ILMN_2246510	TSC1	NM_000368.3	1.66	0.73	11.93	11.2	0.0000283	0.00015
ILMN_1678337	MAP1B	NM_032010.1	1.57	0.65	8.27	7.62	0.0000285	0.00016
ILMN_1781431	GLCC1	NM_138426.1	1.55	0.63	9.94	9.32	0.0000287	0.00016
ILMN_2398159	DKK3	NM_013253.4	1.58	0.66	15.12	14.46	0.0000288	0.00016
ILMN_2055760	KIAA1715	NM_030650.1	1.65	0.72	11.7	10.99	0.0000288	0.00016

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ILMN_2198594	RFPL1S	NR_002727.1	1.59	0.67	8.62	7.95	0.0000294	0.00016
ILMN_1701111	KIAA1434	NM_019593.2	1.82	0.86	9.87	9.01	0.0000299	0.00016
ILMN_1653263	KIAA1893	NM_052899.1	1.51	0.59	9.98	9.39	0.00003	0.00016
ILMN_2158003	KIAA1683	NM_025249.1	1.73	0.79	8.98	8.19	0.00003	0.00016
ILMN_1705253	PTPRD	NM_130391.2	1.95	0.96	8.65	7.7	0.0000301	0.00016
ILMN_1719864	PACS2	NM_015197.1	1.51	0.59	10.63	10.04	0.0000304	0.00017
ILMN_2380605	MTMR3	NM_153050.1	1.82	0.86	10.08	9.22	0.0000306	0.00017
ILMN_1741780	LOC285193	NM_001033575.1	1.49	0.58	11.57	10.99	0.0000322	0.00017
ILMN_1741059	SCN1A	NM_006920.2	1.71	0.77	8.83	8.06	0.0000323	0.00017
ILMN_1809208	KIAA1543	XM_048362.9	1.79	0.84	8.61	7.78	0.0000323	0.00017
ILMN_1756501	ST6GAL1	NM_173217.1	1.64	0.71	9.91	9.21	0.0000327	0.00018
ILMN_2383516	WDR7	NM_015285.2	1.51	0.59	11.18	10.59	0.0000328	0.00018
ILMN_1742704	GNAO1	NM_138736.1	1.52	0.6	8.39	7.79	0.0000335	0.00018
ILMN_2327860	MAL	NM_022440.1	1.52	0.6	10.64	10.04	0.0000336	0.00018
ILMN_1770758	AKAP6	NM_004274.3	1.65	0.72	9.45	8.73	0.0000339	0.00018
ILMN_2244841	ALDH4A1	NM_003748.2	1.61	0.69	9.45	8.76	0.0000341	0.00018
ILMN_1789567	MAGED2	NM_014599.4	1.54	0.62	10.83	10.22	0.0000352	0.00019
ILMN_1733221	LOC349236	NM_182635.1	1.54	0.62	8.13	7.51	0.0000366	0.0002
ILMN_1750563	CEECAM1	NM_016174.3	1.53	0.61	10.68	10.07	0.000037	0.0002
ILMN_2344298	STEAP2	NM_152999.2	1.92	0.94	8.75	7.81	0.0000376	0.0002
ILMN_1768050	SCOC	NM_032547.1	1.54	0.62	12.29	11.66	0.0000384	0.0002
ILMN_1745079	TRIM2	NM_015271.2	1.92	0.94	11.28	10.34	0.000039	0.00021
ILMN_1712798	ZNF608	NM_020747.1	1.82	0.86	9.33	8.46	0.0000395	0.00021
ILMN_2184064	ARRDC4	NM_183376.1	2.28	1.19	10.8	9.61	0.0000398	0.00021
ILMN_1736654	PIP5K1B	NM_001031687.1	1.59	0.67	8	7.32	0.0000405	0.00021
ILMN_1748738	SLC22A17	NM_020372.2	1.53	0.61	9.53	8.92	0.0000405	0.00021
ILMN_2046470	DAAM1	NM_014992.1	1.92	0.94	10.54	9.6	0.0000405	0.00021
ILMN_1778347	NUDT2	NM_147173.1	1.58	0.66	11.87	11.21	0.0000405	0.00021
ILMN_1681467	RAB11FIP4	NM_032932.3	1.52	0.6	7.97	7.37	0.0000407	0.00021
ILMN_2258543	PRDM2	NM_012231.3	1.56	0.64	9.23	8.59	0.0000414	0.00022
ILMN_1800412	BMP1	NM_006129.2	1.52	0.6	11.13	10.53	0.0000432	0.00023
ILMN_1753026	PRG-3	NM_017753.2	1.89	0.92	9.91	8.99	0.0000433	0.00023
ILMN_1664362	SGIP1	NM_032291.1	1.52	0.6	8.02	7.42	0.0000435	0.00023
ILMN_2355586	ATRN	NM_139322.1	1.67	0.74	9.4	8.66	0.0000441	0.00023
ILMN_1680928	DNM3	NM_015569.2	1.54	0.62	11.13	10.52	0.0000447	0.00023
ILMN_2122103	ETS1	NM_005238.2	1.99	0.99	9.62	8.63	0.0000454	0.00024
ILMN_1750880	LOC196394	NM_207337.1	1.96	0.97	9.24	8.27	0.0000461	0.00024
ILMN_1703142	2-MAR	NM_001005415.1	1.51	0.59	11.2	10.61	0.0000466	0.00024
ILMN_1681249	KIF21A	NM_017641.2	1.52	0.6	10.99	10.39	0.0000467	0.00024
ILMN_1656088	C1ORF110	NM_178550.3	1.93	0.95	8.75	7.8	0.0000467	0.00024
ILMN_2084073	UCN	NM_003353.2	1.89	0.92	9.43	8.51	0.0000472	0.00025
ILMN_1682818	TTLL3	NM_015644.2	1.64	0.71	9.94	9.23	0.0000472	0.00025
ILMN_1764231	LMO3	NM_018640.3	1.65	0.72	8.16	7.45	0.0000474	0.00025

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ILMN_1717706	PLK2	NM_006622.1	1.95	0.96	9.24	8.28	0.000048	0.00025
ILMN_2266184	NCALD	NM_032041.1	1.56	0.64	8.05	7.41	0.000048	0.00025
ILMN_1669772	LRP1	NM_002332.1	1.69	0.76	9.66	8.9	0.0000489	0.00025
ILMN_1656920	CRIP1	NM_001311.3	1.78	0.83	8.8	7.97	0.0000494	0.00026
ILMN_2117223	ROD1	NM_005156.4	1.60	0.68	10.54	9.86	0.0000502	0.00026
ILMN_1677586	KRTHB3	NM_002282.2	1.57	0.65	8.39	7.74	0.0000512	0.00026
ILMN_1765109	TNFRSF25	NM_148973.1	1.49	0.58	10.63	10.04	0.0000531	0.00027
ILMN_1769615	FLRT2	NM_013231.4	1.79	0.84	8.72	7.87	0.0000538	0.00028
ILMN_1716195	HIST1H2BG	NM_003518.3	1.73	0.79	9.6	8.82	0.0000551	0.00028
ILMN_1754076	CACNA2D3	NM_018398.2	1.66	0.73	8.78	8.05	0.0000581	0.0003
ILMN_2345319	PREPL	NM_006036.3	1.55	0.63	11.88	11.26	0.0000597	0.0003
ILMN_2331735	AP2B1	NM_001282.2	1.55	0.63	11.58	10.95	0.00006	0.0003
ILMN_2185339	LRRC51	NM_145309.1	1.51	0.59	10.4	9.81	0.0000607	0.00031
ILMN_1705035	FBXL7	NM_012304.3	1.52	0.6	9.99	9.39	0.0000615	0.00031
ILMN_1663379	FBXL15	NM_024326.2	1.54	0.62	11.07	10.45	0.0000622	0.00031
ILMN_1792242	C8ORF44	NM_019607.1	1.56	0.64	9.05	8.41	0.0000632	0.00032
ILMN_1669876	CUTL2	NM_015267.1	1.55	0.63	7.74	7.11	0.0000654	0.00033
ILMN_1696466	ROPN1L	NM_031916.2	1.66	0.73	8.3	7.57	0.000066	0.00033
ILMN_1651710	IQCD	NM_138451.1	1.62	0.7	8.36	7.66	0.0000677	0.00034
ILMN_1792182	RDH12	NM_152443.1	1.53	0.61	7.96	7.35	0.0000682	0.00034
ILMN_1719069	FOXN4	NM_213596.1	1.58	0.66	8.29	7.63	0.0000693	0.00035
ILMN_1761963	FLJ21106	NM_025097.1	1.51	0.59	9.57	8.98	0.00007	0.00035
ILMN_1681657	MAP4K4	NM_145686.2	1.75	0.81	8.86	8.04	0.0000703	0.00035
ILMN_1769633	CTSO	NM_001334.2	1.74	0.8	10.22	9.43	0.0000711	0.00035
ILMN_2415748	WSB1	NM_134265.2	1.60	0.68	12.13	11.45	0.0000717	0.00036
ILMN_2232368	C20ORF67	NM_022104.3	1.68	0.75	10.03	9.28	0.000072	0.00036
ILMN_2052686	C6ORF152	NM_181714.1	1.84	0.88	9.58	8.7	0.0000725	0.00036
ILMN_1752968	LAMB2	NM_002292.2	1.52	0.6	11.08	10.48	0.0000728	0.00036
ILMN_2127328	PURA	NM_005859.3	1.62	0.7	10.81	10.11	0.0000732	0.00036
ILMN_1654639	HERC6	NM_001013005.1	1.56	0.64	8.74	8.11	0.0000738	0.00037
ILMN_1808272	KCNJ10	NM_002241.2	1.55	0.63	9.82	9.19	0.000074	0.00037
ILMN_1736180	FRAT1	NM_005479.2	1.67	0.74	8.21	7.46	0.0000753	0.00037
ILMN_1658917	SLC1A1	NM_004170.4	1.92	0.94	8.95	8.01	0.0000765	0.00038
ILMN_1809086	XRN1	NM_019001.2	1.75	0.81	10.02	9.2	0.000077	0.00038
ILMN_1739914	ZNF618	NM_133374.1	1.58	0.66	10.57	9.92	0.0000772	0.00038
ILMN_1812902	CYYR1	NM_052954.2	1.54	0.62	8.26	7.65	0.0000791	0.00039
ILMN_1734021	CLSTN3	NM_014718.2	1.75	0.81	8.87	8.06	0.0000806	0.0004
ILMN_1815148	MAN2A2	NM_006122.2	1.54	0.62	9.35	8.74	0.000084	0.00041
ILMN_2367215	PRCP	NM_005040.2	1.59	0.67	12.52	11.85	0.0000858	0.00042
ILMN_1794842	LGALS13	NM_013268.2	1.56	0.64	9.12	8.48	0.0000859	0.00042
ILMN_1699574	NRP1	NM_003873.3	1.60	0.68	12.88	12.2	0.0000863	0.00042
ILMN_2344650	CG018	NM_001079691.1	1.69	0.76	8.56	7.79	0.0000891	0.00043
ILMN_1696991	DYRK1B	NM_006484.1	1.88	0.91	9.66	8.75	0.0000898	0.00044

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ILMN_1798971	FZD5	NM_003468.2	1.57	0.65	9.94	9.29	0.0000899	0.00044
ILMN_1697289	ZNF713	NM_182633.1	1.56	0.64	8.87	8.23	0.0000899	0.00044
ILMN_1664802	WSB1	NM_134264.2	1.51	0.59	10.61	10.02	0.00009	0.00044
ILMN_1688666	HIST1H2BH	NM_003524.2	1.74	0.8	9.52	8.71	0.0000907	0.00044
ILMN_1784269	AASDH	NM_181806.2	1.67	0.74	10.3	9.56	0.0000909	0.00044
ILMN_1801366	DNASE1L2	NM_001374.2	1.68	0.75	8.76	8.01	0.0000919	0.00045
ILMN_1714000	NXPH3	NM_007225.1	1.54	0.62	8.41	7.8	0.0000928	0.00045
ILMN_1658015	MBNL2	NM_144778.2	2.11	1.08	9.77	8.69	0.0000977	0.00047
ILMN_1663816	LOC130940	NM_138803.2	1.51	0.59	7.99	7.4	0.0001	0.00049
ILMN_1706498	SART2	NM_013352.1	1.61	0.69	9.79	9.1	0.0001	0.00049
ILMN_2323413	KRIT1	NM_001013406.1	1.51	0.59	7.78	7.19	0.0001	0.00049
ILMN_2058468	BACH2	NM_021813.1	1.59	0.67	9.82	9.14	0.0001	0.0005
ILMN_1767349	ABCB4	NM_000443.2	1.61	0.69	8.11	7.42	0.0001	0.0005
ILMN_2373377	RTN2	NM_206902.1	1.52	0.6	8.92	8.32	0.00011	0.00051
ILMN_2214197	TP53INP1	NM_033285.2	1.88	0.91	11.13	10.23	0.00011	0.00052
ILMN_1783946	MRC2	NM_006039.2	1.59	0.67	10.39	9.72	0.00011	0.00052
ILMN_1740083	ORC4L	NM_181742.1	1.53	0.61	9.67	9.06	0.00011	0.00052
ILMN_2089616	FBXO10	NM_012166.2	1.60	0.68	9.92	9.23	0.00011	0.00053
ILMN_1806533	PDE7B	NM_018945.3	1.60	0.68	8.15	7.47	0.00011	0.00053
ILMN_1701837	KLHL2	NM_007246.2	1.72	0.78	10.07	9.29	0.00011	0.00054
ILMN_1771710	S100B	NM_006272.1	1.59	0.67	7.93	7.26	0.00012	0.00055
ILMN_1706357	RFX2	NM_000635.2	1.67	0.74	9.29	8.55	0.00012	0.00055
ILMN_1732722	TRSPAP1	NM_017846.3	1.57	0.65	10.15	9.51	0.00012	0.00056
ILMN_1678541	LOC654084	XM_938984.1	1.64	0.71	9.34	8.63	0.00012	0.00057
ILMN_2151075	LOC55565	NM_017530.1	1.57	0.65	11.2	10.55	0.00013	0.0006
ILMN_1732554	ZNF346	NM_012279.2	1.57	0.65	9.08	8.43	0.00013	0.00061
ILMN_1728001	P18SRP	NM_173829.2	1.55	0.63	9.27	8.64	0.00013	0.00062
ILMN_1702305	NCAM1	NM_000615.1	1.56	0.64	9.57	8.93	0.00013	0.00062
ILMN_1675124	DDX17	NM_006386.3	1.49	0.58	12.75	12.16	0.00013	0.00063
ILMN_2103388	ZNF509	NM_145291.2	1.59	0.67	9.34	8.67	0.00013	0.00063
ILMN_2102960	KIAA1370	NM_019600.1	2.20	1.14	10.2	9.06	0.00014	0.00063
ILMN_2085844	LOC727936	NM_001080393.1	1.56	0.64	8.64	8	0.00014	0.00064
ILMN_1806242	PSD	NM_002779.3	1.54	0.62	8.53	7.91	0.00014	0.00065
ILMN_1713161	USP16	NM_001032410.1	1.62	0.7	8.45	7.76	0.00014	0.00065
ILMN_2379063	NDRG4	NM_020465.2	1.64	0.71	9.63	8.92	0.00014	0.00065
ILMN_2059211	KIAA0195	NM_014738.2	1.60	0.68	10.51	9.83	0.00014	0.00065
ILMN_1709907	B3GALT2	NM_003783.2	1.58	0.66	8.58	7.92	0.00014	0.00065
ILMN_1718866	MGC23985	NM_206966.1	1.64	0.71	8.03	7.32	0.00015	0.00068
ILMN_1749131	ENPP3	NM_005021.2	1.58	0.66	8.13	7.47	0.00015	0.0007
ILMN_2325337	APOL2	NM_145637.1	1.58	0.66	9.56	8.9	0.00015	0.00071
ILMN_2052717	GRAMD1C	NM_017577.2	2.25	1.17	8.3	7.13	0.00016	0.00072
ILMN_1698608	FOLR1	NM_016725.1	1.56	0.64	8.13	7.5	0.00016	0.00073
ILMN_2235851	LINCR	NM_001080535.1	1.62	0.7	8.48	7.79	0.00016	0.00073

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ILMN_2396546	IGSF3	NM_001542.2	1.80	0.85	9.61	8.77	0.00016	0.00073
ILMN_2396287	RFX2	NM_134433.1	1.60	0.68	9.21	8.53	0.00016	0.00074
ILMN_1664525	P2RY13	NM_176894.1	1.75	0.81	8.41	7.61	0.00016	0.00074
ILMN_1794534	FLJ23514	NM_021827.2	1.61	0.69	9.11	8.41	0.00016	0.00074
ILMN_1775336	TSPYL2	NM_022117.1	1.66	0.73	8.46	7.72	0.00016	0.00074
ILMN_1652777	CDC42EP2	NM_006779.2	1.75	0.81	9.58	8.77	0.00017	0.00076
ILMN_1676062	DIP2C	NM_014974.1	1.61	0.69	11.39	10.71	0.00017	0.00076
ILMN_1655985	GALNT10	NM_017540.3	1.68	0.75	9.03	8.28	0.00017	0.00077
ILMN_1708110	FLJ11155	NM_018342.2	1.77	0.82	8.31	7.5	0.00017	0.00077
ILMN_1784756	ACOT7	NM_181866.2	1.57	0.65	8.49	7.84	0.00017	0.0008
ILMN_2190598	FGD6	NM_018351.2	1.78	0.83	8.97	8.14	0.00018	0.0008
ILMN_1689176	FLJ23191	NM_024574.2	1.55	0.63	7.95	7.31	0.00018	0.00081
ILMN_1706304	EIF2C4	NM_017629.2	1.62	0.7	8.87	8.17	0.00018	0.00083
ILMN_1790109	THAP8	NM_152658.1	1.49	0.58	9.33	8.75	0.00018	0.00084
ILMN_1677098	YPEL2	NM_001005404.3	1.83	0.87	9.28	8.41	0.00019	0.00084
ILMN_1690646	SATB1	NM_002971.2	1.54	0.62	8.4	7.78	0.00019	0.00084
ILMN_1656496	EPC2	NM_015630.2	1.66	0.73	9.38	8.65	0.00019	0.00087
ILMN_1703374	NAV1	NM_020443.2	1.49	0.58	12.36	11.78	0.00019	0.00087
ILMN_2309848	FXD5	NM_014164.4	1.57	0.65	8.77	8.12	0.00019	0.00088
ILMN_1682270	FGFR2	NM_022971.1	1.58	0.66	8.26	7.6	0.0002	0.00088
ILMN_1763793	PPM1L	NM_139245.2	1.57	0.65	8.18	7.53	0.0002	0.00089
ILMN_1673503	CACNB4	NM_001005747.1	1.53	0.61	8.67	8.06	0.0002	0.00092
ILMN_1772189	ABCD1	NM_000033.2	1.83	0.87	9.34	8.47	0.00021	0.00093
ILMN_2183687	LIME1	NM_017806.1	1.58	0.66	11.16	10.51	0.00021	0.00094
ILMN_1770641	KLHL3	NM_017415.1	1.68	0.75	9.63	8.87	0.00021	0.00094
ILMN_1809817	FLJ23834	NM_152750.2	1.65	0.72	8.36	7.64	0.00021	0.00095
ILMN_1766950	PCDHB13	NM_018933.2	1.78	0.83	8.3	7.46	0.00021	0.00095
ILMN_1777934	MORN3	NM_173855.3	1.51	0.59	8.58	7.99	0.00022	0.00096
ILMN_1685891	ETV1	NM_004956.3	1.75	0.81	10.01	9.19	0.00022	0.00096
ILMN_1705663	DMXL2	NM_015263.1	1.67	0.74	9.81	9.08	0.00022	0.00096
ILMN_2124802	MT1H	NM_005951.2	1.53	0.61	8.81	8.2	0.00022	0.00099
ILMN_1765204	ST13	NM_003932.3	1.54	0.62	13.04	12.42	0.00023	0.001
ILMN_1676099	SPON2	NM_012445.1	1.79	0.84	8.17	7.33	0.00023	0.00102
ILMN_1810856	HDAC5	NM_001015053.1	1.61	0.69	8.99	8.3	0.00023	0.00103
ILMN_1701991	SYNJ1	NM_203446.1	1.66	0.73	10.21	9.48	0.00024	0.00104
ILMN_2324162	SLC45A1	NM_001080397.1	1.59	0.67	8.77	8.09	0.00024	0.00106
ILMN_2145997	SP4	NM_003112.3	1.72	0.78	10.05	9.27	0.00025	0.00109
ILMN_1794470	ANKFY1	NM_016376.2	1.49	0.58	12.23	11.64	0.00025	0.0011
ILMN_2196347	CDKN1B	NM_004064.2	1.66	0.73	10.28	9.55	0.00025	0.0011
ILMN_1705733	KIAA0460	NM_015203.2	1.59	0.67	9.36	8.69	0.00026	0.00111
ILMN_1762801	KLF12	NM_016285.2	1.53	0.61	8.1	7.48	0.00026	0.00112
ILMN_1761764	ALKBH7	NM_032306.2	1.49	0.58	11.98	11.4	0.00026	0.00113
ILMN_1687216	PCBP3	NM_020528.1	1.51	0.59	8.3	7.72	0.00026	0.00114

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ILMN_1702407	SPIN	NM_006717.1	1.51	0.59	11.12	10.54	0.00027	0.00115
ILMN_2338447	ARID4A	NM_023000.2	1.56	0.64	9.7	9.06	0.00027	0.00117
ILMN_1670878	YTHDC1	NM_133370.1	1.84	0.88	9.83	8.95	0.00027	0.00117
ILMN_1655177	PIK4CA	NM_058004.1	1.49	0.58	12.86	12.28	0.00027	0.00119
ILMN_1736752	COMTD1	NM_144589.2	1.55	0.63	9.73	9.1	0.00027	0.00119
ILMN_2185665	PGAP1	NM_024989.3	1.61	0.69	10.1	9.41	0.00027	0.00119
ILMN_2330213	CUTL1	NM_001913.2	1.53	0.61	9.62	9.01	0.00028	0.00122
ILMN_1690179	CRYM	NM_001888.2	1.52	0.6	9.88	9.28	0.00029	0.00124
ILMN_1760037	C6ORF134	NM_001031722.1	1.58	0.66	8.88	8.22	0.00029	0.00124
ILMN_1693392	RGAG4	NM_001024455.1	1.55	0.63	8.59	7.95	0.00029	0.00126
ILMN_1712913	UNC5A	NM_133369.2	1.55	0.63	8.54	7.92	0.00029	0.00126
ILMN_2129877	PARP11	NM_020367.3	1.60	0.68	10.37	9.69	0.0003	0.00128
ILMN_2387105	OGN	NM_014057.3	1.56	0.64	8.27	7.63	0.0003	0.00128
ILMN_1737416	PGBD3	NM_170753.1	1.53	0.61	8.94	8.33	0.0003	0.00129
ILMN_2142979	PTBP2	NM_021190.1	1.71	0.77	10.69	9.92	0.0003	0.00129
ILMN_2323848	PARD6A	NM_016948.2	1.60	0.68	9.9	9.23	0.0003	0.0013
ILMN_2334296	IL18BP	NM_173042.2	1.57	0.65	9.48	8.83	0.00031	0.00131
ILMN_2139052	ZKSCAN1	NM_003439.1	1.60	0.68	9.03	8.35	0.00031	0.00132
ILMN_2268618	PHF20L1	NM_198513.1	1.58	0.66	8.58	7.92	0.00031	0.00132
ILMN_1801605	BIRC6	NM_016252.2	1.49	0.58	9.92	9.34	0.00031	0.00133
ILMN_2413323	GRP	NM_001012513.1	1.54	0.62	7.85	7.23	0.00031	0.00134
ILMN_1789593	PRPF40B	NM_001031698.1	1.59	0.67	8.78	8.11	0.00032	0.00134
ILMN_1715332	TTC21A	NM_145755.1	1.62	0.7	8.72	8.02	0.00032	0.00138
ILMN_2044293	KBTBD7	NM_032138.3	1.54	0.62	9.5	8.88	0.00033	0.0014
ILMN_2246134	PDE4DIP	NM_001002811.1	1.55	0.63	8.76	8.13	0.00033	0.0014
ILMN_2320906	RTN3	NM_006054.2	1.96	0.97	11.55	10.58	0.00034	0.00142
ILMN_2370296	ENAH	NM_018212.4	1.73	0.79	11.05	10.26	0.00034	0.00142
ILMN_1695413	ZNF429	NM_001001415.1	1.56	0.64	9.24	8.61	0.00034	0.00143
ILMN_1656934	REPS2	XM_942570.1	1.54	0.62	8.08	7.46	0.00034	0.00143
ILMN_1783161	DAB2IP	NM_032552.1	1.57	0.65	9.14	8.49	0.00034	0.00144
ILMN_1717265	FLJ37078	NM_153043.3	1.78	0.83	8.63	7.81	0.00035	0.00147
ILMN_1808379	PLCD4	NM_032726.2	1.51	0.59	8.96	8.37	0.00036	0.00153
ILMN_1690708	SPTBN1	NM_178313.1	1.54	0.62	10.82	10.2	0.00039	0.00161
ILMN_2345353	LST1	NM_205840.1	1.51	0.59	8.32	7.73	0.00039	0.00163
ILMN_1794638	VIP	NM_194435.1	1.58	0.66	8.01	7.35	0.00039	0.00164
ILMN_1754757	SCNN1D	NM_002978.2	1.56	0.64	10.24	9.6	0.0004	0.00167
ILMN_1722532	JMJD1A	NM_018433.3	1.74	0.8	10.43	9.63	0.00041	0.00168
ILMN_1767362	ADAMTS6	NM_197941.2	1.53	0.61	8.56	7.95	0.00042	0.00172
ILMN_1741970	JUP	NM_002230.1	1.62	0.7	8.79	8.09	0.00042	0.00175
ILMN_2391400	PITX2	NM_153427.1	2.30	1.2	9.15	7.95	0.00042	0.00175
ILMN_2329885	CEP170	NM_001042404.1	1.71	0.77	9.62	8.85	0.00043	0.00176
ILMN_1769433	IQGAP2	NM_006633.1	1.61	0.69	9.04	8.35	0.00044	0.00179
ILMN_1683959	THRAP2	NM_015335.2	1.55	0.63	9.09	8.46	0.00044	0.0018

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ILMN_1736054	SUB1	NM_006713.2	1.58	0.66	12.55	11.89	0.00044	0.00182
ILMN_1676283	RIMBP2	NM_015347.3	1.67	0.74	8.17	7.43	0.00045	0.00183
ILMN_1712352	DOCK3	NM_004947.3	1.56	0.64	9.07	8.43	0.00046	0.00187
ILMN_1787378	ADD3	NM_016824.3	1.71	0.77	9.28	8.51	0.00049	0.00198
ILMN_1759987	HS6ST1	NM_004807.1	1.67	0.74	9.71	8.97	0.00049	0.00199
ILMN_1805024	ERBB2IP	NM_018695.2	1.54	0.62	9.7	9.08	0.0005	0.00203
ILMN_1788689	PHIP	NM_017934.4	1.53	0.61	11.32	10.71	0.0005	0.00203
ILMN_2394902	ACCN4	NM_018674.3	1.79	0.84	8.66	7.82	0.00051	0.00205
ILMN_1781672	GAB1	NM_207123.1	1.66	0.73	11.01	10.28	0.00053	0.00212
ILMN_1806328	PDIK1L	NM_152835.1	1.53	0.61	11.01	10.4	0.00054	0.00215
ILMN_1683313	ST3GAL1	NM_173344.1	1.52	0.6	9.67	9.07	0.00054	0.00217
ILMN_2095114	PCDHB11	NM_018931.2	1.64	0.71	7.8	7.09	0.00055	0.00219
ILMN_1738854	CACHD1	NM_020925.1	1.61	0.69	10.2	9.51	0.00057	0.00228
ILMN_1692094	GRIA4	NM_000829.1	1.56	0.64	8.87	8.23	0.00058	0.00229
ILMN_2229379	KIT	NM_000222.1	1.53	0.61	9.07	8.46	0.00058	0.00231
ILMN_1743205	ABCA7	NM_019112.2	1.77	0.82	8.61	7.79	0.00058	0.00231
ILMN_1733415	MFAP5	NM_003480.2	1.69	0.76	10.46	9.7	0.00059	0.00234
ILMN_1789500	KIAA1875	NM_032529.1	1.66	0.73	8.83	8.1	0.0006	0.00237
ILMN_1706051	PLD5	NM_152666.1	1.59	0.67	8.52	7.85	0.00061	0.00241
ILMN_1770667	HECA	NM_016217.2	1.54	0.62	8.69	8.07	0.00061	0.00241
ILMN_1781373	IFIH1	NM_022168.2	1.53	0.61	9.28	8.68	0.00061	0.00242
ILMN_1813517	DISP2	NM_033510.1	1.49	0.58	10	9.42	0.00063	0.00247
ILMN_2208373	TMEM164	NM_032227.2	1.61	0.69	9.29	8.6	0.00064	0.00251
ILMN_1776395	ARMC4	NM_018076.2	1.62	0.7	8.08	7.38	0.00066	0.00258
ILMN_1812080	PARP16	NM_017851.4	1.65	0.72	9.8	9.08	0.00068	0.00265
ILMN_1764754	RAMP1	NM_005855.2	1.58	0.66	12.48	11.82	0.00069	0.00269
ILMN_2054510	BCAS3	NM_017679.2	1.52	0.6	8.18	7.58	0.0007	0.00272
ILMN_1782032	ASH1L	NM_018489.1	1.49	0.58	8.38	7.8	0.00072	0.00278
ILMN_1722798	PLCD3	NM_133373.2	1.51	0.59	10.75	10.16	0.00072	0.00279
ILMN_1753112	CD5	NM_014207.2	1.79	0.84	9.15	8.31	0.00072	0.0028
ILMN_1745686	MFHAS1	NM_004225.1	1.88	0.91	9.88	8.98	0.00072	0.00281
ILMN_1697952	OSBPL1A	NM_018030.3	1.67	0.74	8.85	8.12	0.00073	0.00282
ILMN_1752750	MCF2	NM_005369.2	1.56	0.64	8.43	7.8	0.00074	0.00285
ILMN_2339028	PKD1	NM_001009944.1	1.52	0.6	9.81	9.22	0.00075	0.00289
ILMN_1768251	SLC25A26	NM_173471.1	1.54	0.62	9.22	8.6	0.00076	0.00292
ILMN_1742046	VN1R1	NM_020633.2	1.69	0.76	8.36	7.6	0.00076	0.00295
ILMN_1675956	LYST	NM_000081.2	1.92	0.94	9.46	8.53	0.00077	0.00298
ILMN_2112915	DRD4	NM_000797.2	1.51	0.59	8.85	8.26	0.00081	0.00312
ILMN_2068257	MXRA8	NM_032348.2	1.72	0.78	9.59	8.82	0.00082	0.00315
ILMN_1720181	CLSTN1	XM_937951.1	1.52	0.6	10.44	9.83	0.00093	0.0035
ILMN_1688101	BTNL2	NM_019602.1	1.64	0.71	10.33	9.62	0.00095	0.00357
ILMN_1727738	RAB33B	NM_031296.1	1.51	0.59	8.82	8.23	0.00096	0.0036
ILMN_2256868	NCOR2	NM_006312.3	1.71	0.77	8.91	8.14	0.00098	0.00367

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ILMN_1802674	PACRG	NM_152410.1	1.52	0.6	8.16	7.56	0.001	0.00375
ILMN_1773312	INADL	NM_170605.2	1.54	0.62	8.85	8.23	0.00101	0.00378
ILMN_2100258	PCDHB16	NM_020957.1	1.66	0.73	8.66	7.93	0.00106	0.00393
ILMN_1676247	JPH2	NM_175913.3	1.62	0.7	9.62	8.91	0.00113	0.00416
ILMN_2295987	NBPF1	NM_017940.2	1.65	0.72	9.31	8.59	0.00113	0.00417
ILMN_1666076	ARHGEF4	NM_032995.1	1.55	0.63	9.56	8.93	0.00113	0.00417
ILMN_1738955	C10ORF104	NM_173473.2	1.57	0.65	10.18	9.52	0.00115	0.00423
ILMN_1809101	STEAP2	NM_152999.2	1.69	0.76	8.48	7.72	0.00119	0.00439
ILMN_1702715	MECP2	NM_004992.2	1.72	0.78	9.61	8.83	0.00131	0.00477
ILMN_1721132	DKKL1	NM_014419.3	1.59	0.67	9.44	8.78	0.00138	0.00503
ILMN_1801586	HGF	NM_001010931.1	1.61	0.69	8.1	7.41	0.00142	0.00513
ILMN_1684563	LOC139886	NM_001012968.1	1.51	0.59	10.67	10.07	0.00142	0.00514
ILMN_2062381	LCOR	NM_032440.1	1.55	0.63	9.64	9.01	0.0015	0.00542
ILMN_1656927	SEMA5A	NM_003966.1	1.64	0.71	11.65	10.94	0.00151	0.00545
ILMN_1684439	MLF1	NM_022443.2	1.54	0.62	8.59	7.97	0.00154	0.00554
ILMN_1659820	PTD004	NM_013341.3	1.54	0.62	8.33	7.71	0.00159	0.00569
ILMN_1779410	VAPA	NM_194434.2	1.73	0.79	9.06	8.27	0.00159	0.00569
ILMN_2324375	CHCHD7	NM_001011670.1	1.62	0.7	8.79	8.1	0.00159	0.00571
ILMN_1712283	WNT10B	NM_003394.2	1.62	0.7	8.86	8.16	0.00164	0.00585
ILMN_1773310	FUT5	NM_002034.2	1.51	0.59	8.19	7.6	0.00168	0.00599
ILMN_1675117	DHRS8	NM_016245.2	1.75	0.81	8.92	8.11	0.00174	0.00617
ILMN_2112755	HSDL1	NM_031463.3	1.54	0.62	10.84	10.22	0.00184	0.0065
ILMN_1658706	ST6GALNAC	NM_006456.1	1.49	0.58	9.09	8.51	0.00197	0.00691
ILMN_1664439	TAF1	NM_004606.2	1.54	0.62	9.19	8.57	0.00199	0.00696
ILMN_1674908	HOXB5	NM_002147.2	1.56	0.64	8.84	8.2	0.00205	0.00715
ILMN_1715255	MAGI2	NM_012301.3	1.58	0.66	8.56	7.89	0.00228	0.00785
ILMN_1806149	MGC17624	NM_206967.1	1.51	0.59	10.12	9.53	0.00239	0.00819
ILMN_2173611	MT1E	NM_175617.3	1.53	0.61	10.11	9.49	0.00242	0.0083
ILMN_1785785	NCOA1	NM_147223.2	1.58	0.66	8.81	8.14	0.00274	0.00926
ILMN_1688373	LST1	NM_205837.1	1.71	0.77	8.64	7.87	0.00281	0.00946
ILMN_2306631	SP8	NM_182700.2	1.55	0.63	10.85	10.22	0.00293	0.00982
ILMN_1758067	RGS4	NM_005613.3	-20.11	-4.33	10.52	14.85	1.05E-19	1.98E-16
ILMN_1708934	ADM	NM_001124.1	-10.13	-3.34	11.29	14.63	2.1E-19	3.03E-16
ILMN_1770338	TM4SF1	NM_014220.2	-9.58	-3.26	8.4	11.66	3.82E-19	4.94E-16
ILMN_1751276	BDNF	NM_001709.3	-9.19	-3.2	7.7	10.91	5.06E-19	5.91E-16
ILMN_1801616	EMP1	NM_001423.1	-12.91	-3.69	10.73	14.43	1.1E-18	9.74E-16
ILMN_1671486	HOMER2	NM_004839.2	-9.92	-3.31	9.57	12.88	1.12E-18	9.74E-16
ILMN_2215989	NEFM	NM_005382.1	-19.43	-4.28	8.66	12.94	1.15E-18	9.74E-16
ILMN_1705579	MPP4	NM_033066.1	-11.47	-3.52	7.3	10.82	1.9E-18	1.5E-15
ILMN_1689431	FLJ90166	NM_153360.1	-11.00	-3.46	9	12.47	3.45E-18	2.53E-15
ILMN_1727532	OLFML3	NM_020190.2	-12.38	-3.63	8.67	12.3	4.22E-18	2.81E-15
ILMN_1659086	NEFL	NM_006158.1	-17.88	-4.16	8.73	12.89	5.15E-18	3.08E-15
ILMN_1739222	ETV5	NM_004454.1	-7.84	-2.97	11.36	14.33	1E-17	5.22E-15

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ILMN_1757497	VGf	NM_003378.2	-11.31	-3.5	10.05	13.56	1.08E-17	5.51E-15
ILMN_1677466	DUSP6	NM_001946.2	-9.32	-3.22	8.91	12.13	1.3E-17	6.18E-15
ILMN_1656501	DUSP5	NM_004419.3	-6.28	-2.65	9.46	12.11	1.31E-17	6.18E-15
ILMN_1732296	ID3	NM_002167.2	-8.51	-3.09	11.64	14.72	1.57E-17	7.2E-15
ILMN_2121408	HBEGF	NM_001945.1	-4.53	-2.18	10.44	12.62	3.36E-17	1.29E-14
ILMN_2367883	GEM	NM_181702.1	-7.67	-2.94	9.48	12.42	4.98E-17	1.82E-14
ILMN_2188521	PVRL3	NM_015480.1	-5.46	-2.45	10.26	12.71	5.53E-17	1.93E-14
ILMN_2089752	LOC285016	NM_001002919.1	-11.08	-3.47	9.23	12.71	5.74E-17	1.93E-14
ILMN_2396875	IGFBP3	NM_001013398.1	-6.63	-2.73	10.94	13.67	7.55E-17	2.37E-14
ILMN_1778668	TAGLN	NM_003186.3	-6.87	-2.78	12.56	15.34	8.56E-17	2.59E-14
ILMN_1696167	SYT6	NM_205848.1	-6.59	-2.72	8.72	11.44	1.17E-16	3.33E-14
ILMN_1810725	C1ORF24	NM_022083.1	-7.73	-2.95	10	12.95	1.24E-16	3.41E-14
ILMN_1689004	TNFRSF12A	NM_016639.1	-7.84	-2.97	11.04	14.01	1.31E-16	3.56E-14
ILMN_1679391	MAMDC2	NM_153267.3	-23.75	-4.57	7.52	12.1	1.52E-16	3.98E-14
ILMN_1792885	CTSC	NM_001814.2	-10.34	-3.37	9.15	12.53	1.56E-16	4.02E-14
ILMN_1653856	STS-1	NM_032873.3	-7.78	-2.96	10.3	13.26	1.57E-16	4.02E-14
ILMN_1671392	KCNF1	NM_002236.4	-8.22	-3.04	10.45	13.49	2.09E-16	5.12E-14
ILMN_2400935	TAGLN	NM_003186.3	-10.48	-3.39	10.75	14.14	2.39E-16	5.68E-14
ILMN_2064725	METTL7B	NM_152637.1	-5.70	-2.51	11.34	13.85	2.75E-16	6.49E-14
ILMN_2346479	HOMER2	NM_199332.2	-10.13	-3.34	8.83	12.17	3.03E-16	6.99E-14
ILMN_1652185	IL4R	NM_000418.2	-5.70	-2.51	8.51	11.02	3.05E-16	6.99E-14
ILMN_1784948	SPOCD1	NM_144569.3	-6.73	-2.75	9.72	12.47	4.31E-16	9.11E-14
ILMN_2069286	CHRNA9	NM_017581.2	-5.46	-2.45	8.51	10.95	7.71E-16	1.43E-13
ILMN_1753135	ALK	NM_004304.3	-5.10	-2.35	10.06	12.4	9.53E-16	1.73E-13
ILMN_2374340	PLAUR	NM_001005376.1	-6.41	-2.68	9.08	11.76	1.05E-15	1.87E-13
ILMN_1711899	ANXA2	NM_001002857.1	-5.06	-2.34	10.82	13.16	1.29E-15	2.16E-13
ILMN_1747016	CEP55	NM_018131.3	-4.79	-2.26	9.92	12.18	1.36E-15	2.25E-13
ILMN_1811468	IRX3	NM_024336.1	-5.17	-2.37	10.83	13.2	1.69E-15	2.74E-13
ILMN_1771841	FOSL1	NM_005438.2	-10.70	-3.42	8.05	11.47	1.71E-15	2.76E-13
ILMN_1660718	GABBR2	NM_005458.5	-4.59	-2.2	12.04	14.24	1.84E-15	2.93E-13
ILMN_1679318	ARSJ	NM_024590.2	-6.36	-2.67	8.81	11.47	2.16E-15	3.35E-13
ILMN_1792455	RIS1	NM_015444.1	-4.72	-2.24	13.24	15.47	2.28E-15	3.49E-13
ILMN_1738558	RGS20	NM_170587.1	-5.50	-2.46	9.44	11.9	2.32E-15	3.51E-13
ILMN_1744387	KCNIP1	NM_014592.2	-4.26	-2.09	11.18	13.27	2.39E-15	3.6E-13
ILMN_1788107	IL11	NM_000641.2	-6.41	-2.68	7.83	10.51	2.41E-15	3.6E-13
ILMN_2225318	SMS	NM_004595.2	-3.66	-1.87	12.29	14.16	2.53E-15	3.72E-13
ILMN_1720998	CA12	NM_001218.3	-5.86	-2.55	11.75	14.3	2.76E-15	3.99E-13
ILMN_2357086	NETO1	NM_153181.2	-6.11	-2.61	7.82	10.43	2.9E-15	4.11E-13
ILMN_2408543	PLAUR	NM_002659.2	-7.06	-2.82	7.8	10.63	2.98E-15	4.19E-13
ILMN_1806908	PRKCB1	NM_002738.5	-6.28	-2.65	9.21	11.86	3.19E-15	4.37E-13
ILMN_2242463	CTSC	NM_001814.2	-9.99	-3.32	9.35	12.67	3.43E-15	4.63E-13
ILMN_2056975	HPRT1	NM_000194.1	-3.81	-1.93	11.06	12.98	3.49E-15	4.68E-13
ILMN_1664861	ID1	NM_181353.1	-13.27	-3.73	9.15	12.88	4.01E-15	5.25E-13

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ILMN_1671703	ACTA2	NM_001613.1	-3.97	-1.99	13.31	15.3	4.95E-15	6.39E-13
ILMN_2337263	PKIB	NM_032471.4	-7.11	-2.83	8.68	11.51	5.45E-15	6.85E-13
ILMN_1792679	ITGA5	NM_002205.2	-6.11	-2.61	9.25	11.86	5.51E-15	6.88E-13
ILMN_1665510	ERRFI1	NM_018948.2	-3.63	-1.86	12.29	14.14	6.46E-15	7.85E-13
ILMN_1757604	TPM2	NM_003289.3	-5.43	-2.44	11.11	13.55	6.47E-15	7.85E-13
ILMN_1749071	CNIH3	NM_152495.1	-4.08	-2.03	10.31	12.34	6.64E-15	8.02E-13
ILMN_1803811	TRIB1	NM_025195.2	-4.99	-2.32	9.96	12.28	6.87E-15	8.22E-13
ILMN_1720282	NQO1	NM_000903.2	-3.34	-1.74	10.69	12.43	7.03E-15	8.37E-13
ILMN_1744381	SERPINE1	NM_000602.1	-10.20	-3.35	10.09	13.44	7.65E-15	9.07E-13
ILMN_1702487	SGK	NM_005627.2	-3.76	-1.91	10.96	12.87	8.03E-15	9.42E-13
ILMN_2086105	SPRY4	NM_030964.2	-9.25	-3.21	10.24	13.45	8.06E-15	9.42E-13
ILMN_1783168	NETO1	NM_138999.1	-6.63	-2.73	7.87	10.6	8.3E-15	9.65E-13
ILMN_2141807	C15ORF23	NM_033286.2	-2.83	-1.5	10.05	11.55	8.42E-15	9.69E-13
ILMN_2206474	C20ORF39	NM_024893.1	-4.06	-2.02	10	12.02	9.13E-15	1.04E-12
ILMN_2382942	CA12	NM_001218.3	-4.56	-2.19	10.02	12.2	9.81E-15	1.11E-12
ILMN_1780334	KCNJ2	NM_000891.2	-6.59	-2.72	8.66	11.39	1.01E-14	1.14E-12
ILMN_1753830	ETV4	NM_001986.1	-6.15	-2.62	8.14	10.76	1.13E-14	1.23E-12
ILMN_1673991	ATIC	NM_004044.4	-3.34	-1.74	11.26	13	1.13E-14	1.23E-12
ILMN_1771051	RPL29	NM_000992.2	-5.17	-2.37	10.13	12.5	1.17E-14	1.26E-12
ILMN_1664630	CHEK1	NM_001274.2	-4.44	-2.15	10.1	12.26	1.2E-14	1.28E-12
ILMN_1669114	WNK4	NM_032387.3	-8.88	-3.15	7.19	10.34	1.23E-14	1.3E-12
ILMN_2349459	BIRC5	NM_001168.2	-3.23	-1.69	10.2	11.89	1.45E-14	1.48E-12
ILMN_1704785	C10ORF125	NM_198472.1	-5.62	-2.49	7.48	9.97	1.53E-14	1.55E-12
ILMN_1725338	CLDN23	NM_194284.1	-4.76	-2.25	8.31	10.56	1.58E-14	1.58E-12
ILMN_2074044	PLS1	NM_002670.1	-3.66	-1.87	8.6	10.47	1.93E-14	1.9E-12
ILMN_1676003	PNOC	NM_006228.2	-4.26	-2.09	9.4	11.5	2.11E-14	2.02E-12
ILMN_1709294	CDCA8	NM_018101.2	-3.46	-1.79	10.21	12	2.25E-14	2.12E-12
ILMN_1722135	CNGA3	NM_001298.1	-3.78	-1.92	10.52	12.45	2.26E-14	2.12E-12
ILMN_1751016	LONRF2	NM_198461.1	-3.01	-1.59	10.68	12.27	2.27E-14	2.12E-12
ILMN_2329914	SPRY1	NM_005841.1	-3.63	-1.86	12.56	14.42	2.47E-14	2.27E-12
ILMN_2119123	GRPR	NM_005314.2	-5.94	-2.57	8.1	10.66	2.55E-14	2.34E-12
ILMN_2363621	RBBP8	NM_203291.1	-2.95	-1.56	11.4	12.97	2.77E-14	2.48E-12
ILMN_1683450	CDCA5	NM_080668.2	-3.18	-1.67	11.9	13.57	2.78E-14	2.48E-12
ILMN_2405521	MTHFD2	NM_001040409.1	-4.41	-2.14	10.39	12.53	2.94E-14	2.61E-12
ILMN_2367743	TUBG1	NM_001070.3	-3.12	-1.64	11.49	13.13	3.01E-14	2.65E-12
ILMN_1746769	PLA2G3	NM_015715.2	-6.28	-2.65	7.36	10.01	3.08E-14	2.7E-12
ILMN_1695880	LOX	NM_002317.3	-5.24	-2.39	9.29	11.68	3.1E-14	2.71E-12
ILMN_1790885	KCNK10	NM_021161.3	-5.50	-2.46	7.45	9.91	3.24E-14	2.81E-12
ILMN_1807423	IGF2BP3	NM_006547.2	-3.01	-1.59	11.76	13.35	3.49E-14	3.01E-12
ILMN_1805737	PFKP	NM_002627.3	-3.51	-1.81	11.41	13.21	3.51E-14	3.01E-12
ILMN_1729455	EML1	NM_004434.2	-3.12	-1.64	11	12.63	3.62E-14	3.05E-12
ILMN_1728972	FAM64A	NM_019013.1	-3.66	-1.87	11.05	12.92	3.7E-14	3.1E-12
ILMN_1678669	RRM2	NM_001034.1	-4.59	-2.2	10.14	12.34	4.12E-14	3.36E-12

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ILMN_1791232	SPRED2	NM_181784.1	-2.87	-1.52	10.6	12.11	4.41E-14	3.59E-12
ILMN_1661589	CD151	NM_004357.3	-3.29	-1.72	11.84	13.56	4.42E-14	3.59E-12
ILMN_2336609	SYTL2	NM_206929.1	-3.78	-1.92	11.82	13.74	4.44E-14	3.59E-12
ILMN_2091310	TMEM16A	NM_018043.4	-6.92	-2.79	8.86	11.65	4.51E-14	3.63E-12
ILMN_1699695	TNFRSF21	NM_014452.3	-3.20	-1.68	12.61	14.29	4.51E-14	3.63E-12
ILMN_1758164	STC1	NM_003155.2	-3.56	-1.83	10.75	12.58	4.94E-14	3.93E-12
ILMN_1746085	IGFBP3	NM_001013398.1	-6.32	-2.66	11.47	14.13	5.15E-14	4.07E-12
ILMN_2212909	MELK	NM_014791.2	-5.17	-2.37	10.6	12.97	5.16E-14	4.07E-12
ILMN_1781942	HMMR	NM_012485.1	-6.54	-2.71	9.44	12.15	5.22E-14	4.1E-12
ILMN_2396020	DUSP6	NM_022652.2	-4.38	-2.13	9.5	11.64	5.34E-14	4.17E-12
ILMN_1686770	RPE65	NM_000329.2	-4.38	-2.13	9.33	11.47	5.63E-14	4.37E-12
ILMN_1767658	RRS1	NM_015169.3	-3.07	-1.62	11.02	12.64	5.74E-14	4.42E-12
ILMN_1769245	GLIPR1	NM_006851.1	-4.26	-2.09	9.71	11.81	5.77E-14	4.42E-12
ILMN_1683415	CAMK2D	NM_172115.1	-2.91	-1.54	10.8	12.34	5.8E-14	4.43E-12
ILMN_1785474	ACOT12	NM_130767.1	-4.03	-2.01	7.64	9.65	5.82E-14	4.44E-12
ILMN_1699489	TUBB6	XM_940079.1	-3.43	-1.78	10.95	12.72	6.08E-14	4.62E-12
ILMN_1713249	PHF19	NM_015651.1	-4.53	-2.18	9.67	11.85	6.17E-14	4.65E-12
ILMN_1793476	PRKCDBP	NM_145040.2	-6.87	-2.78	8.26	11.04	6.19E-14	4.65E-12
ILMN_1701875	ZYX	NM_003461.4	-3.23	-1.69	12.15	13.84	6.42E-14	4.77E-12
ILMN_2389876	TGFB111	NM_015927.3	-3.27	-1.71	10.37	12.08	6.69E-14	4.92E-12
ILMN_1776121	MGC42367	NM_207362.1	-4.72	-2.24	10.03	12.27	6.76E-14	4.95E-12
ILMN_1663390	CDC20	NM_001255.1	-4.69	-2.23	11.55	13.78	6.79E-14	4.96E-12
ILMN_1797596	LOC653170	XM_926321.1	-6.02	-2.59	8.35	10.93	6.89E-14	5.01E-12
ILMN_1713679	DSU	NM_018000.1	-4.47	-2.16	8.37	10.53	7.15E-14	5.18E-12
ILMN_1683755	SOX13	NM_005686.2	-4.20	-2.07	8.74	10.81	7.25E-14	5.23E-12
ILMN_2384158	CNGA3	NM_001298.1	-3.68	-1.88	10.28	12.16	7.29E-14	5.24E-12
ILMN_1697220	NT5E	NM_002526.1	-7.11	-2.83	9.9	12.73	7.46E-14	5.34E-12
ILMN_1710962	TMEM97	NM_014573.1	-2.77	-1.47	12.67	14.13	7.71E-14	5.47E-12
ILMN_1778444	FKBP5	NM_004117.2	-3.36	-1.75	9.63	11.38	7.91E-14	5.59E-12
ILMN_1758392	ANKS1B	NM_181670.2	-3.63	-1.86	11.33	13.19	8.23E-14	5.77E-12
ILMN_1699768	CBLN4	NM_080617.4	-4.03	-2.01	9.38	11.4	9.36E-14	6.47E-12
ILMN_1796589	TRIP13	NM_004237.2	-5.31	-2.41	10.48	12.89	9.43E-14	6.5E-12
ILMN_1806037	TK1	NM_003258.1	-3.53	-1.82	9.77	11.59	1E-13	6.88E-12
ILMN_1671404	SVIL	NM_003174.2	-4.82	-2.27	10.75	13.02	1.04E-13	7.12E-12
ILMN_1670238	CDC45L	NM_003504.3	-2.79	-1.48	10.93	12.41	1.08E-13	7.33E-12
ILMN_2053415	LDLR	NM_000527.2	-3.46	-1.79	12.33	14.13	1.12E-13	7.55E-12
ILMN_1682717	IER3	NM_052815.1	-6.36	-2.67	9.04	11.71	1.12E-13	7.57E-12
ILMN_2053281	C14ORF149	NM_144581.1	-4.50	-2.17	10.15	12.32	1.13E-13	7.61E-12
ILMN_2411745	EML1	NM_004434.2	-3.14	-1.65	10.66	12.31	1.16E-13	7.77E-12
ILMN_2146418	CRIM1	NM_016441.1	-3.43	-1.78	9.59	11.38	1.21E-13	8.02E-12
ILMN_1757631	MGC3101	NM_024043.2	-3.66	-1.87	10.6	12.48	1.23E-13	8.12E-12
ILMN_2041190	F2RL1	NM_005242.3	-5.70	-2.51	9.18	11.7	1.24E-13	8.15E-12
ILMN_1780769	TUBB2C	NM_006088.5	-3.34	-1.74	12.86	14.6	1.37E-13	8.84E-12

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ILMN_1794552	GAP43	NM_002045.2	-4.63	-2.21	12.48	14.68	1.42E-13	9.11E-12
ILMN_1771039	GTSE1	NM_016426.4	-3.66	-1.87	9.26	11.13	1.44E-13	9.24E-12
ILMN_2143795	MGC4677	NM_052871.3	-3.68	-1.88	12.42	14.3	1.48E-13	9.45E-12
ILMN_1664855	PPP1R14C	NM_030949.1	-3.86	-1.95	9.06	11.01	1.49E-13	9.5E-12
ILMN_1782419	GNG11	NM_004126.2	-3.61	-1.85	12.5	14.35	1.71E-13	1.08E-11
ILMN_2371169	ZYX	NM_003461.4	-3.07	-1.62	11.08	12.7	1.73E-13	1.08E-11
ILMN_1714700	TRIB2	NM_021643.1	-3.76	-1.91	12.09	14	1.76E-13	1.1E-11
ILMN_1725510	DHCR24	NM_014762.2	-3.86	-1.95	9.8	11.76	1.93E-13	1.2E-11
ILMN_1805543	ADAMTS9	NM_182920.1	-4.53	-2.18	9.67	11.85	1.96E-13	1.21E-11
ILMN_2134974	RAB38	NM_022337.1	-3.01	-1.59	9.57	11.16	1.98E-13	1.22E-11
ILMN_2237428	SCD5	NM_001037582.1	-2.55	-1.35	12.93	14.27	2.02E-13	1.24E-11
ILMN_1680955	AURKA	NM_198434.1	-2.64	-1.4	11.53	12.93	2.07E-13	1.26E-11
ILMN_1789624	TPM2	NM_003289.3	-4.00	-2	8.36	10.35	2.26E-13	1.37E-11
ILMN_1749829	DLG7	NM_014750.3	-4.50	-2.17	9.91	12.08	2.26E-13	1.37E-11
ILMN_2088124	TMEM154	NM_152680.1	-4.82	-2.27	7.57	9.84	2.33E-13	1.41E-11
ILMN_1703906	DKFZP762E	NM_018410.2	-3.76	-1.91	10.14	12.05	2.4E-13	1.45E-11
ILMN_1726809	BHLHB3	NM_030762.1	-2.99	-1.58	9.97	11.55	2.48E-13	1.49E-11
ILMN_1691376	JAG1	NM_000214.1	-4.47	-2.16	10.7	12.86	2.61E-13	1.54E-11
ILMN_1745964	IRAK2	NM_001570.3	-4.76	-2.25	8.79	11.03	2.68E-13	1.58E-11
ILMN_2351466	HNT	NM_001048209.1	-2.46	-1.3	11.21	12.52	2.84E-13	1.67E-11
ILMN_1716687	TPM1	NM_000366.5	-2.64	-1.4	12.11	13.51	2.92E-13	1.71E-11
ILMN_2213759	DBX2	NM_001004329.2	-3.29	-1.72	9.36	11.08	2.93E-13	1.71E-11
ILMN_1786125	CCNA2	NM_001237.2	-3.32	-1.73	11.12	12.85	2.94E-13	1.72E-11
ILMN_2370976	FER1L3	NM_013451.2	-4.29	-2.1	9.71	11.81	2.97E-13	1.72E-11
ILMN_1688480	CCND1	NM_053056.1	-4.08	-2.03	12.2	14.23	3.67E-13	2.07E-11
ILMN_1727567	OLIG2	NM_005806.2	-3.16	-1.66	11.73	13.38	3.67E-13	2.07E-11
ILMN_2397028	SERPINB8	NM_002640.3	-3.48	-1.8	9.16	10.96	4E-13	2.24E-11
ILMN_1673363	CD97	NM_078481.2	-3.18	-1.67	10.01	11.68	4.13E-13	2.29E-11
ILMN_1696749	LMNA	NM_005572.2	-2.79	-1.48	11.83	13.32	4.2E-13	2.31E-11
ILMN_2383305	GPATCH4	NM_182679.1	-3.03	-1.6	11.01	12.6	4.3E-13	2.36E-11
ILMN_1756982	CLIC1	NM_001288.4	-2.57	-1.36	13.55	14.91	4.6E-13	2.49E-11
ILMN_2341661	ETV4	NM_001986.1	-6.50	-2.7	7.72	10.42	4.62E-13	2.5E-11
ILMN_1801939	CCNB2	NM_004701.2	-3.16	-1.66	11.4	13.06	4.73E-13	2.55E-11
ILMN_1810228	TTF2	NM_003594.3	-5.24	-2.39	8.59	10.98	4.8E-13	2.58E-11
ILMN_1684045	CDCA4	NM_017955.2	-2.60	-1.38	9.94	11.32	5.14E-13	2.73E-11
ILMN_2301083	UBE2C	NM_181800.1	-2.85	-1.51	12.5	14.01	5.22E-13	2.76E-11
ILMN_2160929	FEN1	NM_004111.4	-2.35	-1.23	12.63	13.86	5.26E-13	2.77E-11
ILMN_2311537	HMGA1	NM_145899.1	-3.92	-1.97	11.63	13.6	5.52E-13	2.88E-11
ILMN_1728934	PRC1	NM_003981.2	-2.69	-1.43	12.11	13.54	5.6E-13	2.91E-11
ILMN_1789196	TPM2	NM_213674.1	-4.50	-2.17	11.86	14.04	5.84E-13	3.01E-11
ILMN_1705814	LOC144501	NM_182507.1	-5.66	-2.5	8.02	10.51	6.03E-13	3.09E-11
ILMN_2360710	TPM1	NM_001018004.1	-2.68	-1.42	12.7	14.12	6.22E-13	3.17E-11
ILMN_1740291	POLQ	NM_199420.2	-4.72	-2.24	8.99	11.23	6.9E-13	3.46E-11

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ILMN_1720270	CDR2	NM_001802.1	-2.38	-1.25	10.37	11.62	6.94E-13	3.47E-11
ILMN_1668411	FHL2	NM_001450.3	-2.51	-1.33	12.22	13.55	7.14E-13	3.57E-11
ILMN_2384056	GPR30	NM_001039966.1	-2.83	-1.5	9.21	10.71	7.19E-13	3.59E-11
ILMN_1653055	SOX3	NM_005634.2	-5.78	-2.53	9.47	12	8.55E-13	4.22E-11
ILMN_1781943	C20ORF129	NM_030919.1	-3.29	-1.72	9.87	11.58	8.71E-13	4.29E-11
ILMN_1689306	TMC7	NM_024847.2	-2.85	-1.51	8.7	10.21	8.76E-13	4.3E-11
ILMN_1789507	COL11A1	NM_080629.1	-3.34	-1.74	11.34	13.08	8.78E-13	4.31E-11
ILMN_1695414	ASF1B	NM_018154.2	-3.23	-1.69	10.13	11.82	8.83E-13	4.32E-11
ILMN_1810289	FER1L3	NM_013451.2	-3.94	-1.98	10.83	12.81	8.97E-13	4.36E-11
ILMN_1799667	KIF4A	NM_012310.2	-3.25	-1.7	9.57	11.28	9.77E-13	4.7E-11
ILMN_2347949	G6PD	NM_000402.3	-2.66	-1.41	11.96	13.36	1.02E-12	4.89E-11
ILMN_1802292	WDFY2	NM_052950.2	-3.25	-1.7	10.08	11.77	1.03E-12	4.9E-11
ILMN_2340974	ANKS1B	NM_020140.2	-3.89	-1.96	9.42	11.38	1.06E-12	5.03E-11
ILMN_2375879	VEGFA	NM_003376.4	-4.32	-2.11	8.93	11.04	1.06E-12	5.03E-11
ILMN_2215730	GABRA5	NM_000810.2	-3.51	-1.81	9.13	10.93	1.07E-12	5.06E-11
ILMN_2225537	LTB4DH	NM_012212.2	-2.41	-1.27	11.05	12.32	1.09E-12	5.16E-11
ILMN_1683859	SLC7A1	NM_003045.3	-3.68	-1.88	10.45	12.33	1.1E-12	5.18E-11
ILMN_1720083	EHD4	NM_139265.2	-2.55	-1.35	10.03	11.38	1.1E-12	5.18E-11
ILMN_1658094	ZNF365	NM_014951.1	-2.53	-1.34	10.31	11.65	1.16E-12	5.4E-11
ILMN_2165867	DHCR7	NM_001360.2	-3.76	-1.91	11.5	13.4	1.16E-12	5.41E-11
ILMN_2319544	CAMK2D	NM_172128.1	-2.69	-1.43	10.72	12.15	1.17E-12	5.43E-11
ILMN_1698934	CMTM7	NM_138410.2	-4.11	-2.04	7.9	9.93	1.18E-12	5.43E-11
ILMN_1741054	SLC5A6	NM_021095.1	-2.55	-1.35	10.64	11.99	1.19E-12	5.45E-11
ILMN_1752046	LNK	NM_005475.1	-3.14	-1.65	10.85	12.5	1.21E-12	5.58E-11
ILMN_1732799	CD34	NM_001773.1	-3.76	-1.91	7.87	9.78	1.27E-12	5.82E-11
ILMN_1676213	SRPX2	NM_014467.1	-4.11	-2.04	9.28	11.32	1.28E-12	5.83E-11
ILMN_1714170	SPSB1	NM_025106.2	-3.66	-1.87	8.35	10.22	1.28E-12	5.83E-11
ILMN_1685397	ITGA3	NM_002204.1	-3.14	-1.65	11.02	12.67	1.29E-12	5.86E-11
ILMN_1745420	PHF19	NM_001009936.1	-4.38	-2.13	8.26	10.39	1.3E-12	5.89E-11
ILMN_1657550	MVD	NM_002461.1	-2.99	-1.58	10.34	11.92	1.32E-12	5.97E-11
ILMN_2136446	CTNNA1	NM_003798.1	-4.23	-2.08	9.81	11.89	1.37E-12	6.19E-11
ILMN_1693985	JPH1	NM_020647.2	-4.20	-2.07	8.51	10.58	1.41E-12	6.34E-11
ILMN_1710408	LGR4	NM_018490.1	-4.63	-2.21	8.96	11.17	1.42E-12	6.35E-11
ILMN_1706217	TLR4	NM_138557.1	-4.56	-2.19	8.67	10.86	1.42E-12	6.35E-11
ILMN_2324056	GNL3	NM_206826.1	-2.39	-1.26	11.63	12.88	1.47E-12	6.55E-11
ILMN_2403965	TXNDC5	NM_022085.3	-2.89	-1.53	10.51	12.05	1.47E-12	6.55E-11
ILMN_2383349	STEAP3	NM_018234.2	-3.03	-1.6	10.45	12.04	1.48E-12	6.58E-11
ILMN_2358886	EDN3	NM_207033.1	-4.92	-2.3	7.76	10.05	1.5E-12	6.66E-11
ILMN_2368856	KCNIP1	NM_014592.2	-4.59	-2.2	9.65	11.85	1.68E-12	7.35E-11
ILMN_2357438	AURKA	NM_198434.1	-2.60	-1.38	11.37	12.75	1.75E-12	7.61E-11
ILMN_2374352	DBNDD1	NM_001042610.1	-2.57	-1.36	12.05	13.4	1.77E-12	7.71E-11
ILMN_1768357	RTN1	NM_021136.2	-3.84	-1.94	9.59	11.53	1.84E-12	7.94E-11
ILMN_1809522	BTBD14A	NM_144653.3	-3.86	-1.95	10.09	12.04	1.87E-12	8.05E-11

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ILMN_1690754	SVIL	NM_003174.2	-4.41	-2.14	8.44	10.58	1.92E-12	8.25E-11
ILMN_1746888	PCOLCE2	NM_013363.2	-3.58	-1.84	10.07	11.91	2.01E-12	8.6E-11
ILMN_1793263	C1ORF94	NM_032884.2	-4.41	-2.14	8.36	10.5	2.03E-12	8.64E-11
ILMN_1758978	KLHL4	NM_057162.1	-2.75	-1.46	9.93	11.39	2.09E-12	8.86E-11
ILMN_2392472	CENPA	NM_001042426.1	-2.91	-1.54	9.46	11	2.11E-12	8.94E-11
ILMN_1702197	C9ORF140	NM_178448.2	-3.16	-1.66	9.71	11.38	2.14E-12	9.03E-11
ILMN_1702636	TUBB6	NM_032525.1	-3.18	-1.67	10.7	12.37	2.19E-12	9.21E-11
ILMN_1728049	S100A16	NM_080388.1	-2.58	-1.37	13.02	14.39	2.21E-12	9.3E-11
ILMN_2355738	INCENP	NM_001040694.1	-2.25	-1.17	9.8	10.97	2.3E-12	9.58E-11
ILMN_1695658	KIF20A	NM_005733.1	-3.27	-1.71	10.89	12.6	2.31E-12	9.61E-11
ILMN_1724407	TACC3	NM_006342.1	-3.36	-1.75	9.3	11.04	2.31E-12	9.61E-11
ILMN_2314169	PTHLH	NM_198965.1	-3.23	-1.69	8.65	10.33	2.32E-12	9.63E-11
ILMN_1794522	EIF5A	NM_001970.3	-2.25	-1.17	13.05	14.22	2.41E-12	9.96E-11
ILMN_2257432	RAD51	NM_002875.2	-2.48	-1.31	8.71	10.02	2.46E-12	1.02E-10
ILMN_2151114	VSNL1	NM_003385.4	-5.46	-2.45	8.06	10.51	2.51E-12	1.03E-10
ILMN_2341229	CD34	NM_001773.2	-3.58	-1.84	8.86	10.7	2.56E-12	1.05E-10
ILMN_1713901	KDELR3	NM_016657.1	-3.03	-1.6	8.8	10.4	2.64E-12	1.08E-10
ILMN_1668996	C1QBP	NM_001212.3	-2.08	-1.06	13.24	14.3	2.67E-12	1.09E-10
ILMN_1695110	BCAT2	NM_001190.2	-2.66	-1.41	10.47	11.88	2.75E-12	1.12E-10
ILMN_1806754	GLDC	NM_000170.1	-2.79	-1.48	12.8	14.28	2.79E-12	1.13E-10
ILMN_1787280	C1ORF135	NM_024037.1	-3.18	-1.67	8.26	9.93	3.12E-12	1.25E-10
ILMN_2068104	TFPI2	NM_006528.2	-4.66	-2.22	7.09	9.31	3.17E-12	1.26E-10
ILMN_2355665	MTP18	NM_016498.3	-3.56	-1.83	9.95	11.78	3.31E-12	1.31E-10
ILMN_1793241	SRD5A1	NM_001047.1	-2.36	-1.24	10.65	11.9	3.5E-12	1.38E-10
ILMN_1728202	TMEM22	NM_025246.1	-2.36	-1.24	9.82	11.06	3.54E-12	1.39E-10
ILMN_2149226	CAV1	NM_001753.3	-3.63	-1.86	10.59	12.45	3.56E-12	1.39E-10
ILMN_1755937	ANXA2	NM_001002857.1	-2.77	-1.47	10.13	11.6	3.7E-12	1.44E-10
ILMN_1725791	PTPLA	NM_014241.2	-2.62	-1.39	11.07	12.45	3.88E-12	1.5E-10
ILMN_1651237	CDT1	NM_030928.2	-3.12	-1.64	9.79	11.44	3.99E-12	1.53E-10
ILMN_1811933	SHMT1	NM_148918.1	-2.25	-1.17	10.36	11.53	4.03E-12	1.55E-10
ILMN_2219466	APOBEC3B	NM_004900.3	-3.66	-1.87	8.04	9.91	4.12E-12	1.57E-10
ILMN_1724533	LY96	NM_015364.2	-4.79	-2.26	9.15	11.41	4.27E-12	1.62E-10
ILMN_1658995	ACOT9	NM_001033583.1	-2.35	-1.23	10.9	12.13	4.27E-12	1.62E-10
ILMN_1784860	RFC3	NM_002915.2	-2.66	-1.41	10.22	11.63	4.33E-12	1.63E-10
ILMN_1780667	WDR51A	NM_015426.2	-3.10	-1.63	10.77	12.4	4.45E-12	1.68E-10
ILMN_1774336	POLE2	NM_002692.2	-2.81	-1.49	9.64	11.13	4.46E-12	1.68E-10
ILMN_1810051	EPB41L4B	NM_019114.2	-3.51	-1.81	8.38	10.18	4.64E-12	1.74E-10
ILMN_1806040	TYMS	NM_001071.1	-2.75	-1.46	12.66	14.11	4.77E-12	1.78E-10
ILMN_2094396	LRRC8C	NM_032270.2	-3.53	-1.82	7.74	9.55	4.84E-12	1.8E-10
ILMN_1811472	KIF23	NM_004856.4	-4.11	-2.04	9.52	11.56	4.91E-12	1.82E-10
ILMN_2374633	ZWILCH	NR_003105.1	-2.39	-1.26	11.65	12.92	5.11E-12	1.88E-10
ILMN_1798379	HNT	NM_016522.2	-3.18	-1.67	9.71	11.39	5.11E-12	1.88E-10
ILMN_1712112	DSCR1	NM_203418.1	-2.83	-1.5	12.08	13.58	5.12E-12	1.88E-10

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ILMN_1686227	GNA14	NM_004297.2	-3.20	-1.68	7.88	9.56	5.33E-12	1.96E-10
ILMN_1722491	APRT	NM_000485.2	-2.73	-1.45	11.67	13.12	5.4E-12	1.98E-10
ILMN_1794501	HAS3	NM_005329.2	-3.25	-1.7	8.07	9.77	5.42E-12	1.98E-10
ILMN_1752953	BCL2L12	NM_052842.2	-2.75	-1.46	10.15	11.61	5.46E-12	2E-10
ILMN_2090105	TAGLN2	NM_003564.1	-2.46	-1.3	12.94	14.24	5.61E-12	2.04E-10
ILMN_1709486	SRPX	NM_006307.2	-2.30	-1.2	13.17	14.37	5.7E-12	2.07E-10
ILMN_1662198	RANGAP1	NM_002883.2	-2.28	-1.19	12.35	13.54	5.72E-12	2.08E-10
ILMN_1715583	BOP1	NM_015201.3	-2.13	-1.09	12.17	13.26	5.78E-12	2.09E-10
ILMN_2212763	ICAM3	NM_002162.2	-3.10	-1.63	8	9.64	5.89E-12	2.13E-10
ILMN_2215119	SYNJ2	NM_003898.2	-3.94	-1.98	8.92	10.9	5.94E-12	2.14E-10
ILMN_1703205	EDN3	NM_207034.1	-4.86	-2.28	7.15	9.43	5.99E-12	2.15E-10
ILMN_2396982	BCL2L12	NM_001040668.1	-2.87	-1.52	10.28	11.8	6E-12	2.15E-10
ILMN_1721022	SHC1	NM_003029.3	-2.99	-1.58	12.46	14.04	6.19E-12	2.21E-10
ILMN_1695731	TUBG1	NM_001070.3	-2.87	-1.52	11.98	13.5	6.22E-12	2.22E-10
ILMN_1704398	FZD9	NM_003508.2	-2.28	-1.19	9.62	10.81	6.42E-12	2.28E-10
ILMN_1727459	ORC1L	NM_004153.2	-3.66	-1.87	8.5	10.37	6.61E-12	2.34E-10
ILMN_2111187	ELOVL6	NM_024090.1	-3.01	-1.59	11.71	13.3	6.93E-12	2.45E-10
ILMN_1786444	LPL	NM_000237.1	-5.24	-2.39	7.83	10.22	6.94E-12	2.45E-10
ILMN_1772521	MTHFD1L	NM_015440.3	-2.91	-1.54	10.8	12.34	6.96E-12	2.45E-10
ILMN_1797735	C1ORF21	NM_030806.3	-2.64	-1.4	10.05	11.45	7.2E-12	2.51E-10
ILMN_2399588	THSD1	NM_199263.1	-2.64	-1.4	8.78	10.18	7.55E-12	2.62E-10
ILMN_2070072	RPS7	NM_001011.3	-3.66	-1.87	11.04	12.92	7.6E-12	2.64E-10
ILMN_1700337	TROAP	NM_005480.2	-2.60	-1.38	9.94	11.33	7.61E-12	2.64E-10
ILMN_1692163	NSDHL	NM_015922.1	-2.45	-1.29	12.02	13.31	7.71E-12	2.67E-10
ILMN_1675387	LIMS1	NM_004987.3	-2.75	-1.46	10.36	11.81	7.75E-12	2.68E-10
ILMN_1737394	LMNA	NM_005572.2	-3.05	-1.61	11.28	12.89	7.92E-12	2.73E-10
ILMN_2082865	TM4SF11	NM_015993.1	-4.08	-2.03	7.59	9.63	8E-12	2.75E-10
ILMN_1798123	ELOVL1	NM_022821.2	-2.46	-1.3	9.89	11.19	8E-12	2.75E-10
ILMN_1696601	VAR5	NM_006295.1	-2.50	-1.32	11.47	12.79	8.12E-12	2.78E-10
ILMN_1771966	BCCIP	NM_078468.1	-2.35	-1.23	11.67	12.9	8.16E-12	2.79E-10
ILMN_1773119	CCNF	NM_001761.1	-2.73	-1.45	10.64	12.09	8.38E-12	2.85E-10
ILMN_1712431	FAM113B	NM_138371.1	-2.55	-1.35	8.72	10.07	8.44E-12	2.87E-10
ILMN_1676192	SLC13A5	NM_177550.2	-3.10	-1.63	7.9	9.53	8.65E-12	2.93E-10
ILMN_1727043	GLT25D1	NM_024656.2	-2.50	-1.32	11.47	12.79	8.82E-12	2.97E-10
ILMN_1668814	C22ORF18	NM_024053.3	-3.34	-1.74	9.98	11.73	8.98E-12	3.02E-10
ILMN_2370365	RFC4	NM_002916.3	-2.28	-1.19	11.73	12.92	9.14E-12	3.07E-10
ILMN_1667994	AMD1	NM_001634.4	-2.75	-1.46	10.99	12.45	9.3E-12	3.1E-10
ILMN_1665483	KIAA0020	NM_014878.3	-2.14	-1.1	11.56	12.66	9.32E-12	3.1E-10
ILMN_2383306	GPATCH4	NM_182679.1	-3.10	-1.63	9.07	10.7	9.58E-12	3.18E-10
ILMN_1660806	CSRP2	NM_001321.1	-3.05	-1.61	12.13	13.74	9.6E-12	3.18E-10
ILMN_1805192	KIAA1754	NM_033397.2	-2.38	-1.25	11.43	12.67	9.62E-12	3.18E-10
ILMN_1775432	CSMD2	NM_052896.2	-4.82	-2.27	8.48	10.75	9.74E-12	3.22E-10
ILMN_1801105	PRKCD	NM_212539.1	-2.45	-1.29	8.31	9.6	9.93E-12	3.27E-10

Supplementary Table 2

ILMN_1676361	ARHGAP22	NM_021226.2	-2.87	-1.52	9.05	10.57	1.04E-11	3.43E-10
ILMN_1673721	EXO1	NM_003686.3	-3.23	-1.69	9.71	11.41	1.05E-11	3.44E-10
ILMN_1753639	MTAP	NM_002451.3	-2.23	-1.16	10.78	11.93	1.1E-11	3.58E-10
ILMN_1734194	EXOSC3	NM_016042.2	-2.31	-1.21	10.75	11.96	1.13E-11	3.66E-10
ILMN_2073604	EBP	NM_006579.1	-3.05	-1.61	10.84	12.45	1.16E-11	3.74E-10
ILMN_1675848	MRCL3	NM_006471.2	-2.69	-1.43	12.85	14.27	1.2E-11	3.86E-10
ILMN_1674706	MTHFD2	NM_006636.2	-4.08	-2.03	9.24	11.27	1.21E-11	3.87E-10
ILMN_2082585	SNAI2	NM_003068.3	-5.39	-2.43	8.54	10.98	1.22E-11	3.92E-10
ILMN_1804415	LOC57228	NM_001031628.1	-2.87	-1.52	9.23	10.75	1.25E-11	3.99E-10
ILMN_1698885	PTPRT	NM_133170.2	-3.86	-1.95	8.37	10.32	1.25E-11	3.99E-10
ILMN_1794875	HMFN0839	NM_032717.3	-4.89	-2.29	8.72	11.01	1.34E-11	4.28E-10
ILMN_1722089	IBRDC1	NM_152553.2	-2.97	-1.57	8.61	10.18	1.35E-11	4.29E-10
ILMN_1798210	E2F7	NM_203394.1	-4.08	-2.03	9.36	11.39	1.36E-11	4.32E-10
ILMN_2042771	PTTG1	NM_004219.2	-2.11	-1.08	13.23	14.31	1.37E-11	4.35E-10
ILMN_1679995	MPP6	NM_016447.2	-2.35	-1.23	9.5	10.73	1.39E-11	4.38E-10
ILMN_1724489	RFC4	NM_002916.3	-2.10	-1.07	11.09	12.16	1.42E-11	4.46E-10
ILMN_1725485	RGS17	NM_012419.4	-2.08	-1.06	11.8	12.85	1.45E-11	4.53E-10
ILMN_1741133	NME1	NM_198175.1	-2.19	-1.13	14.19	15.32	1.48E-11	4.62E-10
ILMN_1725271	GPR3	NM_005281.2	-3.29	-1.72	8.05	9.77	1.49E-11	4.62E-10
ILMN_1808391	DUSP4	NM_001394.5	-3.58	-1.84	9.5	11.35	1.5E-11	4.65E-10
ILMN_2301722	PDE8B	NM_001029851.1	-2.81	-1.49	11.46	12.96	1.57E-11	4.85E-10
ILMN_1778561	WEE1	NM_003390.2	-2.43	-1.28	11.26	12.55	1.62E-11	4.97E-10
ILMN_1712452	MPHOSPH1	NM_016195.2	-2.64	-1.4	10.22	11.63	1.64E-11	5.03E-10
ILMN_1804735	CBS	NM_000071.1	-2.25	-1.17	11.66	12.83	1.7E-11	5.19E-10
ILMN_2379130	IRAK1	NM_001025243.1	-2.58	-1.37	11.5	12.87	1.73E-11	5.25E-10
ILMN_1675844	WDR1	NM_017491.3	-2.73	-1.45	11.07	12.53	1.94E-11	5.83E-10
ILMN_1808226	RGS16	NM_002928.2	-3.94	-1.98	8.22	10.2	1.96E-11	5.9E-10
ILMN_1807919	TNS1	NM_022648.3	-2.79	-1.48	8.02	9.5	2E-11	5.99E-10
ILMN_1762899	EGR1	NM_001964.2	-2.55	-1.35	11.11	12.46	2.1E-11	6.28E-10
ILMN_1809590	PFS2	NM_016095.1	-2.58	-1.37	11.96	13.33	2.15E-11	6.41E-10
ILMN_2144088	FDFT1	NM_004462.3	-2.14	-1.1	14.04	15.14	2.16E-11	6.42E-10
ILMN_1657898	MTP18	NM_016498.3	-2.93	-1.55	7.9	9.44	2.16E-11	6.42E-10
ILMN_2396948	PSMC3IP	NM_016556.1	-2.73	-1.45	9.83	11.28	2.19E-11	6.48E-10
ILMN_1794829	C6ORF117	NM_138409.1	-2.57	-1.36	8.79	10.15	2.19E-11	6.48E-10
ILMN_1754272	FLJ13912	NM_022770.2	-2.16	-1.11	10.6	11.71	2.2E-11	6.5E-10
ILMN_1699071	C21ORF7	NM_020152.2	-4.06	-2.02	8.2	10.22	2.22E-11	6.55E-10
ILMN_1677814	ABCC3	NM_020037.1	-4.79	-2.26	8.95	11.21	2.22E-11	6.55E-10
ILMN_2112128	MAPK4	NM_002747.3	-2.57	-1.36	9.9	11.26	2.26E-11	6.64E-10
ILMN_1770084	TACC1	NM_006283.1	-2.22	-1.15	13.63	14.78	2.3E-11	6.76E-10
ILMN_2362545	ZWINT	NM_001005413.1	-2.75	-1.46	8.04	9.5	2.33E-11	6.82E-10
ILMN_1726410	APRT	NM_001030018.1	-2.87	-1.52	11.47	13	2.38E-11	6.94E-10
ILMN_2227573	GSTO1	NM_004832.1	-2.31	-1.21	12.78	13.99	2.39E-11	6.95E-10
ILMN_1708936	EXOSC3	NM_001002269.1	-2.19	-1.13	11.17	12.3	2.46E-11	7.15E-10

Supplementary Table 2

ILMN_1797776	PRSS23	NM_007173.3	-2.77	-1.47	11.47	12.94	2.47E-11	7.16E-10
ILMN_1758728	FANCG	NM_004629.1	-2.22	-1.15	11.26	12.41	2.48E-11	7.17E-10
ILMN_1806023	JUN	NM_002228.3	-2.03	-1.02	13.63	14.65	2.5E-11	7.21E-10
ILMN_2268068	MAPKAP1	NM_001006618.1	-2.43	-1.28	8.69	9.97	2.53E-11	7.31E-10
ILMN_1779517	RASEF	NM_152573.2	-2.51	-1.33	8.34	9.67	2.68E-11	7.69E-10
ILMN_1718960	SERPINB8	NM_001031848.1	-3.34	-1.74	9.14	10.88	2.7E-11	7.73E-10
ILMN_1677273	TH	NM_000360.2	-2.77	-1.47	8.18	9.65	2.73E-11	7.8E-10
ILMN_1687107	RFWD3	NM_018124.3	-2.22	-1.15	10.9	12.05	2.77E-11	7.88E-10
ILMN_2336595	ACSS2	NM_001076552.1	-2.16	-1.11	12.01	13.12	2.77E-11	7.88E-10
ILMN_2355831	FHL2	NM_201555.1	-2.35	-1.23	12.26	13.49	2.78E-11	7.89E-10
ILMN_1714197	ACSS2	NM_139274.1	-2.13	-1.09	12.28	13.37	2.79E-11	7.92E-10
ILMN_2388155	CASP3	NM_032991.2	-2.03	-1.02	12.6	13.62	2.8E-11	7.92E-10
ILMN_1714730	UBE2C	NM_181803.1	-2.95	-1.56	11.65	13.21	2.84E-11	8.02E-10
ILMN_1806106	GNL3	NM_014366.4	-2.33	-1.22	11.08	12.3	2.89E-11	8.15E-10
ILMN_1783285	CTPS	NM_001905.1	-2.36	-1.24	11.27	12.52	2.91E-11	8.18E-10
ILMN_1685916	KIF2C	NM_006845.2	-3.20	-1.68	9.86	11.55	2.94E-11	8.27E-10
ILMN_1788783	TRAM2	NM_012288.3	-3.34	-1.74	10.82	12.56	2.96E-11	8.31E-10
ILMN_1687978	PHLDA1	NM_007350.2	-2.53	-1.34	13.45	14.79	2.97E-11	8.32E-10
ILMN_1716057	CAPN2	NM_001748.3	-2.13	-1.09	9.18	10.27	2.98E-11	8.33E-10
ILMN_2374425	CCNE1	NM_001238.1	-2.31	-1.21	9.97	11.18	3.02E-11	8.43E-10
ILMN_1670353	RAD51AP1	NM_006479.2	-2.75	-1.46	10.26	11.73	3.03E-11	8.44E-10
ILMN_1678961	FRMD4A	NM_018027.2	-2.11	-1.08	11.89	12.97	3.09E-11	8.59E-10
ILMN_1717490	RPL6	NM_001024662.1	-2.58	-1.37	11.86	13.23	3.1E-11	8.61E-10
ILMN_1702973	FLJ13391	NM_032181.1	-4.26	-2.09	7.72	9.81	3.12E-11	8.65E-10
ILMN_1778488	WDR41	NM_018268.2	-1.89	-0.92	11.61	12.53	3.19E-11	8.85E-10
ILMN_1739576	CYB5R2	NM_016229.2	-5.50	-2.46	8.21	10.68	3.2E-11	8.86E-10
ILMN_1776490	C17ORF53	NM_024032.2	-3.43	-1.78	9.57	11.35	3.2E-11	8.86E-10
ILMN_1713751	ADAM19	NM_033274.2	-2.14	-1.1	12.02	13.12	3.33E-11	9.19E-10
ILMN_1753377	RASGRF2	NM_006909.1	-2.95	-1.56	8.44	10.01	3.34E-11	9.2E-10
ILMN_2172174	NP	NM_000270.1	-2.89	-1.53	10.09	11.62	3.38E-11	9.28E-10
ILMN_2162989	KUA	NM_199129.1	-2.35	-1.23	11.19	12.42	3.39E-11	9.31E-10
ILMN_1753342	SAT	NM_002970.1	-2.25	-1.17	12.55	13.72	3.41E-11	9.34E-10
ILMN_1721128	TOMM34	NM_006809.4	-2.28	-1.19	12.05	13.23	3.57E-11	9.73E-10
ILMN_2368718	CENPM	NM_001002876.1	-2.97	-1.57	10.57	12.14	3.72E-11	1.01E-09
ILMN_1656369	C8ORF4	NM_020130.2	-2.22	-1.15	8.81	9.96	3.83E-11	1.04E-09
ILMN_1685625	UCP2	NM_003355.2	-3.18	-1.67	8.82	10.49	3.95E-11	1.07E-09
ILMN_1683678	DNAPT6	NM_015535.1	-2.39	-1.26	12.75	14.01	3.99E-11	1.08E-09
ILMN_1790100	FLJ25416	NM_145018.2	-3.63	-1.86	9.26	11.12	4.05E-11	1.09E-09
ILMN_1800619	BRI3BP	NM_080626.5	-2.91	-1.54	8.81	10.36	4.21E-11	1.13E-09
ILMN_1678143	ARHGDI8	NM_001175.4	-4.32	-2.11	7.75	9.86	4.26E-11	1.14E-09
ILMN_2045729	WDR12	NM_018256.2	-1.93	-0.95	10.95	11.9	4.34E-11	1.16E-09
ILMN_2412927	GMPPB	NM_021971.1	-2.66	-1.41	9.92	11.33	4.5E-11	1.2E-09
ILMN_1668408	PDCD8	NM_004208.2	-2.13	-1.09	10.25	11.34	4.76E-11	1.26E-09

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ILMN_2368721	CENPM	NM_001002876.1	-3.43	-1.78	9.45	11.23	4.79E-11	1.26E-09
ILMN_1738742	PLAT	NM_000930.2	-2.79	-1.48	10.34	11.82	4.87E-11	1.28E-09
ILMN_2092756	TMEM109	NM_024092.1	-2.11	-1.08	10.79	11.88	4.95E-11	1.3E-09
ILMN_1696713	POLA2	NM_002689.2	-2.57	-1.36	10.84	12.19	5.27E-11	1.37E-09
ILMN_1723158	NOL1	NM_006170.2	-2.13	-1.09	11.67	12.76	5.3E-11	1.38E-09
ILMN_1684368	MST150	NM_032947.3	-2.75	-1.46	8.78	10.24	5.31E-11	1.38E-09
ILMN_2409220	HMMR	NM_012484.1	-4.92	-2.3	8.55	10.85	5.39E-11	1.4E-09
ILMN_1690125	PDLIM7	NM_213636.1	-2.10	-1.07	13.16	14.23	5.46E-11	1.42E-09
ILMN_1684321	CYB5-M	NM_030579.1	-1.88	-0.91	13.48	14.39	5.51E-11	1.43E-09
ILMN_1720048	CCL2	NM_002982.3	-2.46	-1.3	12.56	13.86	5.56E-11	1.44E-09
ILMN_1660654	CDCA2	NM_152562.2	-3.25	-1.7	9.21	10.92	5.68E-11	1.47E-09
ILMN_1803882	VEGF	NM_001025366.1	-2.66	-1.41	8.08	9.5	5.79E-11	1.49E-09
ILMN_1702237	FKBP1A	NM_054014.1	-2.55	-1.35	8.77	10.13	5.92E-11	1.52E-09
ILMN_1815308	SDC1	NM_002997.4	-3.41	-1.77	9.08	10.85	5.95E-11	1.53E-09
ILMN_1726266	ADAM12	NM_021641.2	-2.77	-1.47	7.93	9.41	5.97E-11	1.53E-09
ILMN_1758626	IDS	NM_000202.2	-2.45	-1.29	12.11	13.4	6.03E-11	1.54E-09
ILMN_1811433	RPL8	NM_033301.1	-3.51	-1.81	10.49	12.29	6.07E-11	1.55E-09
ILMN_2081682	SMAP1L	NM_022733.1	-2.03	-1.02	12.92	13.94	6.19E-11	1.58E-09
ILMN_1815169	MCM5	NM_006739.2	-2.31	-1.21	10.78	11.98	6.26E-11	1.59E-09
ILMN_1731612	UCHL5	NM_015984.1	-2.17	-1.12	10.39	11.51	6.43E-11	1.63E-09
ILMN_1760506	LOC158160	NM_182829.1	-2.60	-1.38	8.59	9.96	6.55E-11	1.66E-09
ILMN_2339266	LAMA2	NM_000426.3	-2.50	-1.32	7.84	9.16	6.57E-11	1.66E-09
ILMN_1697559	G6PD	NM_000402.2	-2.55	-1.35	10.81	12.16	6.59E-11	1.66E-09
ILMN_1656628	WDR4	NM_033661.3	-2.22	-1.15	10.87	12.02	6.62E-11	1.67E-09
ILMN_1725260	CDC25C	NM_001790.3	-3.29	-1.72	8.9	10.62	6.67E-11	1.68E-09
ILMN_1673673	PBK	NM_018492.2	-2.50	-1.32	10.7	12.02	6.73E-11	1.69E-09
ILMN_1751776	FLJ40629	NM_152515.2	-2.62	-1.39	10.44	11.83	6.93E-11	1.73E-09
ILMN_1682792	BYSL	NM_004053.3	-2.04	-1.03	11.08	12.11	6.94E-11	1.73E-09
ILMN_1674985	TMEM51	NM_018022.1	-2.38	-1.25	10.28	11.53	6.97E-11	1.74E-09
ILMN_1707720	SLC1A5	NM_005628.1	-3.16	-1.66	7.87	9.53	6.99E-11	1.74E-09
ILMN_2313821	AIFM1	NM_145813.1	-1.96	-0.97	11.43	12.41	7.09E-11	1.77E-09
ILMN_1797822	KIAA0746	NM_015187.1	-2.73	-1.45	12.23	13.68	7.42E-11	1.84E-09
ILMN_1784871	FASN	NM_004104.4	-3.03	-1.6	12.77	14.36	7.43E-11	1.84E-09
ILMN_1727540	C1ORF112	NM_018186.2	-2.23	-1.16	9.88	11.04	7.51E-11	1.86E-09
ILMN_1704702	MCM7	NM_005916.3	-3.71	-1.89	10.05	11.94	7.52E-11	1.86E-09
ILMN_1661264	SHMT2	NM_005412.4	-1.88	-0.91	13.12	14.03	7.81E-11	1.92E-09
ILMN_1782403	PRR11	NM_018304.1	-2.64	-1.4	9.6	11	7.81E-11	1.92E-09
ILMN_1702447	IGF2BP2	NM_006548.4	-2.22	-1.15	12.06	13.2	7.88E-11	1.94E-09
ILMN_1742166	GRWD1	NM_031485.2	-2.07	-1.05	11.13	12.18	8.05E-11	1.98E-09
ILMN_2285996	KIAA0101	NM_014736.4	-2.69	-1.43	12.21	13.64	8.13E-11	1.99E-09
ILMN_1795298	GPR30	NM_001031682.1	-2.39	-1.26	9.51	10.77	8.14E-11	1.99E-09
ILMN_1814985	PDLIM7	NM_213636.1	-2.45	-1.29	10.98	12.27	8.16E-11	1.99E-09
ILMN_1784553	SDC2	NM_002998.3	-2.73	-1.45	9.29	10.74	8.17E-11	1.99E-09

Supplementary Table 2

ILMN_1770290	CNN2	NM_201277.1	-2.07	-1.05	11.73	12.77	8.25E-11	2.01E-09
ILMN_1723260	ETV5	NM_004454.1	-3.94	-1.98	9.21	11.19	8.31E-11	2.02E-09
ILMN_1801257	CENPA	NM_001809.2	-3.68	-1.88	9.76	11.64	8.46E-11	2.05E-09
ILMN_1768020	NY-SAR-48	NM_001011699.1	-2.83	-1.5	9.54	11.05	8.56E-11	2.07E-09
ILMN_1750711	MYOHD1	NM_001033580.1	-3.14	-1.65	8.54	10.19	8.71E-11	2.1E-09
ILMN_2406106	CACNB2	NM_201572.1	-2.38	-1.25	10.11	11.37	8.83E-11	2.12E-09
ILMN_1654072	CX3CL1	NM_002996.3	-2.17	-1.12	11.44	12.55	8.83E-11	2.12E-09
ILMN_1709153	LOC51334	NM_016644.1	-2.71	-1.44	9	10.44	8.9E-11	2.13E-09
ILMN_2318638	TGIF1	NM_170695.2	-1.99	-0.99	12.2	13.19	8.94E-11	2.14E-09
ILMN_1757552	PTRF	NM_012232.2	-2.08	-1.06	12.94	14.01	9.01E-11	2.15E-09
ILMN_2213136	LEF1	NM_016269.2	-3.05	-1.61	8.51	10.12	9.04E-11	2.15E-09
ILMN_1696485	HNRPAB	NM_031266.2	-2.13	-1.09	11.98	13.07	9.46E-11	2.24E-09
ILMN_1728048	LOC158160	NM_001031744.1	-2.87	-1.52	9.6	11.12	9.66E-11	2.29E-09
ILMN_2330267	ABCE1	NM_001040876.1	-2.31	-1.21	11.07	12.28	9.74E-11	2.3E-09
ILMN_1663976	PDLIM4	NM_003687.2	-2.99	-1.58	8.89	10.47	1.01E-10	2.37E-09
ILMN_2085760	ARPC1B	NM_005720.2	-2.77	-1.47	9.42	10.89	1.01E-10	2.38E-09
ILMN_1702501	RPS6KA2	NM_021135.4	-2.13	-1.09	12.23	13.32	1.05E-10	2.47E-09
ILMN_1768662	UCK2	NM_012474.3	-2.45	-1.29	10.33	11.61	1.06E-10	2.48E-09
ILMN_2404906	SGOL1	NM_001012413.1	-3.20	-1.68	8.79	10.47	1.08E-10	2.51E-09
ILMN_1763386	BID	NM_001196.2	-2.20	-1.14	10.22	11.35	1.09E-10	2.54E-09
ILMN_2120340	RUVBL2	NM_006666.1	-1.93	-0.95	11.68	12.63	1.11E-10	2.57E-09
ILMN_1785336	PMM2	NM_000303.1	-2.53	-1.34	9.38	10.72	1.11E-10	2.58E-09
ILMN_2410929	PAPSS2	NM_004670.3	-2.58	-1.37	7.68	9.05	1.12E-10	2.6E-09
ILMN_1703572	PCDH20	NM_022843.2	-6.32	-2.66	8.53	11.19	1.15E-10	2.67E-09
ILMN_1749432	MRPL32	NM_031903.1	-1.88	-0.91	11.35	12.26	1.18E-10	2.72E-09
ILMN_1655642	KIAA1794	NM_018193.1	-3.39	-1.76	8.44	10.2	1.19E-10	2.76E-09
ILMN_1677085	RGS19	NM_005873.1	-2.58	-1.37	9.63	10.99	1.2E-10	2.76E-09
ILMN_2077550	RACGAP1	NM_013277.2	-2.11	-1.08	11.24	12.32	1.2E-10	2.76E-09
ILMN_1683475	TOMM40	NM_006114.1	-2.01	-1.01	12.95	13.95	1.24E-10	2.85E-09
ILMN_1659364	RFC5	NM_007370.3	-1.77	-0.82	11.35	12.18	1.33E-10	3.03E-09
ILMN_1685661	CGI-115	NM_016052.2	-1.83	-0.87	10.76	11.63	1.34E-10	3.06E-09
ILMN_1781207	FYN	NM_153047.1	-2.22	-1.15	9.63	10.78	1.37E-10	3.12E-09
ILMN_2414848	TBRG4	NM_030900.2	-1.91	-0.93	10.55	11.48	1.37E-10	3.12E-09
ILMN_1803312	HSA9761	NM_014473.2	-2.20	-1.14	11.18	12.32	1.38E-10	3.14E-09
ILMN_1715748	FLNC	NM_001458.2	-3.94	-1.98	9.86	11.84	1.4E-10	3.18E-09
ILMN_2372413	BID	NM_197967.1	-2.39	-1.26	9.92	11.18	1.43E-10	3.25E-09
ILMN_1657547	CCDC34	NM_030771.1	-2.62	-1.39	12.24	13.63	1.44E-10	3.25E-09
ILMN_1786310	MVK	NM_000431.1	-2.77	-1.47	9.53	11.01	1.44E-10	3.26E-09
ILMN_1796949	TPX2	NM_012112.4	-2.95	-1.56	10.35	11.91	1.44E-10	3.26E-09
ILMN_1669497	OSBPL10	NM_017784.3	-3.27	-1.71	9.25	10.96	1.49E-10	3.36E-09
ILMN_1794885	FRMD5	NM_001031729.1	-2.71	-1.44	9.5	10.94	1.51E-10	3.4E-09
ILMN_2222008	KIFC1	NM_002263.2	-2.46	-1.3	11.51	12.81	1.57E-10	3.51E-09
ILMN_1685954	HMBS	NM_000190.3	-2.53	-1.34	10.76	12.1	1.57E-10	3.52E-09

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ILMN_1803686	ADA	NM_000022.2	-2.28	-1.19	10.05	11.24	1.58E-10	3.53E-09
ILMN_1716397	LAYN	NM_178834.2	-3.05	-1.61	9.18	10.79	1.58E-10	3.54E-09
ILMN_1777233	E2F2	NM_004091.2	-2.35	-1.23	10.86	12.09	1.61E-10	3.58E-09
ILMN_1779374	AMMECR1	NM_001025580.1	-3.23	-1.69	9.18	10.87	1.62E-10	3.61E-09
ILMN_1722834	RGS12	NM_002926.2	-2.03	-1.02	11.89	12.91	1.63E-10	3.63E-09
ILMN_1678957	WDR55	NM_017706.3	-2.27	-1.18	9.36	10.55	1.64E-10	3.63E-09
ILMN_1692280	NKX2-2	NM_002509.2	-2.00	-1	11.96	12.96	1.67E-10	3.69E-09
ILMN_1680675	MRRF	NM_138777.2	-2.04	-1.03	11.02	12.06	1.77E-10	3.88E-09
ILMN_2362974	CASP7	NM_033338.4	-2.51	-1.33	8.19	9.52	1.81E-10	3.96E-09
ILMN_1697567	TPM3	NM_153649.2	-2.04	-1.03	11.83	12.86	1.82E-10	3.98E-09
ILMN_1740155	COL9A3	NM_001853.2	-3.39	-1.76	8.72	10.47	1.84E-10	4.02E-09
ILMN_1791222	GLYCTK	NM_145262.2	-2.19	-1.13	8.25	9.38	1.95E-10	4.25E-09
ILMN_1804448	MSI2	NM_170721.1	-1.84	-0.88	10.69	11.57	1.98E-10	4.31E-09
ILMN_1716400	FOXM1	NM_202002.1	-2.77	-1.47	8.83	10.3	2E-10	4.34E-09
ILMN_1789123	PLK4	NM_014264.2	-2.31	-1.21	10.63	11.84	2.03E-10	4.41E-09
ILMN_2134765	C6ORF26	NM_001039651.1	-2.10	-1.07	9.6	10.67	2.06E-10	4.46E-09
ILMN_1721713	EXOSC9	NM_005033.1	-1.75	-0.81	11.18	11.99	2.08E-10	4.49E-09
ILMN_1785795	METAP1	NM_015143.1	-1.85	-0.89	12.19	13.08	2.11E-10	4.54E-09
ILMN_1674231	CHAF1B	NM_005441.2	-3.07	-1.62	9.57	11.2	2.16E-10	4.64E-09
ILMN_1810181	PCGF6	NM_001011663.1	-2.60	-1.38	9.34	10.72	2.19E-10	4.71E-09
ILMN_1686884	IL1RAP	NM_002182.2	-2.55	-1.35	7.99	9.34	2.23E-10	4.79E-09
ILMN_1732831	CHST7	NM_019886.2	-1.96	-0.97	12.63	13.6	2.25E-10	4.81E-09
ILMN_2200917	SLC4A7	NM_003615.2	-2.27	-1.18	11.08	12.27	2.26E-10	4.83E-09
ILMN_1776428	STK17A	NM_004760.1	-2.60	-1.38	8.77	10.15	2.26E-10	4.83E-09
ILMN_1803005	MMACHC	NM_015506.1	-2.30	-1.2	9.37	10.57	2.28E-10	4.86E-09
ILMN_1752249	FAM38A	NM_014745.1	-2.28	-1.19	10.43	11.62	2.35E-10	0.000000005
ILMN_2173451	GPI	NM_000175.2	-2.00	-1	11.57	12.57	2.36E-10	5.03E-09
ILMN_2096719	GRK5	NM_005308.2	-2.36	-1.24	10.85	12.09	2.37E-10	5.04E-09
ILMN_1737205	MCM4	NM_005914.2	-2.38	-1.25	12.48	13.73	2.4E-10	5.1E-09
ILMN_1803124	BIRC5	NM_001012271.1	-2.99	-1.58	8.61	10.19	2.41E-10	5.11E-09
ILMN_1811188	BCCIP	NM_078468.1	-1.96	-0.97	11.36	12.33	2.43E-10	5.15E-09
ILMN_1704305	NIP7	NM_016101.3	-2.11	-1.08	10.73	11.82	2.46E-10	5.2E-09
ILMN_2094061	IMPA2	NM_014214.1	-2.62	-1.39	9.13	10.52	2.47E-10	5.21E-09
ILMN_2071682	FLJ45557	NM_001039762.1	-4.69	-2.23	9.96	12.19	2.48E-10	5.22E-09
ILMN_2215545	C3ORF26	NM_032359.2	-1.80	-0.85	11.88	12.73	2.5E-10	5.26E-09
ILMN_2303912	SCD5	NM_001037582.1	-3.39	-1.76	9.81	11.58	2.51E-10	5.27E-09
ILMN_1738147	NES	NM_006617.1	-1.99	-0.99	13.73	14.72	2.53E-10	5.31E-09
ILMN_2372040	MTP18	NM_001003704.1	-3.32	-1.73	8.32	10.05	2.55E-10	5.35E-09
ILMN_1740407	CSS3	NM_175856.4	-2.00	-1	10.31	11.31	2.57E-10	5.4E-09
ILMN_1706783	TAGLN	NM_001001522.1	-3.48	-1.8	7.36	9.17	2.59E-10	5.42E-09
ILMN_1741346	EPHB3	NM_004443.3	-2.62	-1.39	8.76	10.15	2.59E-10	5.42E-09
ILMN_2294431	CDC25C	NM_001790.3	-3.27	-1.71	8.74	10.46	2.61E-10	5.45E-09
ILMN_1737252	NRG1	NM_013961.1	-4.00	-2	8.56	10.56	2.61E-10	5.45E-09

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ILMN_1772719	XAB1	NM_007266.1	-2.22	-1.15	13.11	14.27	2.64E-10	5.5E-09
ILMN_1731639	CASP3	NM_004346.3	-2.87	-1.52	8.47	9.98	2.71E-10	5.65E-09
ILMN_1686961	C10ORF13	NM_152429.2	-2.38	-1.25	9.03	10.27	2.75E-10	5.71E-09
ILMN_1728984	PA2G4	NM_006191.1	-2.03	-1.02	11.94	12.96	2.75E-10	5.71E-09
ILMN_1703178	SCG2	NM_003469.3	-2.00	-1	13.53	14.52	2.8E-10	5.8E-09
ILMN_1665832	ID1	NM_181353.1	-2.87	-1.52	7.22	8.74	2.87E-10	5.94E-09
ILMN_2089329	SPRY2	NM_005842.2	-2.77	-1.47	11.87	13.34	2.9E-10	5.98E-09
ILMN_1734826	NUP88	NM_002532.3	-1.80	-0.85	12.2	13.05	2.9E-10	5.98E-09
ILMN_1685703	ACOX2	NM_003500.2	-1.96	-0.97	11.72	12.7	2.9E-10	5.98E-09
ILMN_2075189	SLC35F2	NM_017515.3	-2.81	-1.49	10.39	11.88	2.92E-10	6.02E-09
ILMN_1803676	ENOSF1	NM_017512.2	-2.38	-1.25	10	11.25	2.94E-10	6.04E-09
ILMN_1665559	CDK2	NM_001798.2	-1.96	-0.97	12.21	13.18	2.96E-10	6.09E-09
ILMN_2181432	SPC24	NM_182513.1	-2.41	-1.27	10.56	11.83	2.99E-10	6.13E-09
ILMN_1663399	TIMP4	NM_003256.2	-2.62	-1.39	9.86	11.25	2.99E-10	6.13E-09
ILMN_1785324	MTHFD1	NM_005956.2	-2.10	-1.07	10.16	11.23	3.02E-10	6.19E-09
ILMN_1795026	C1ORF2	NM_006589.2	-2.22	-1.15	11.82	12.97	3.08E-10	6.31E-09
ILMN_1699603	MRPL12	NM_002949.2	-2.35	-1.23	11.27	12.51	3.09E-10	6.33E-09
ILMN_1652237	CBR3	NM_001236.3	-2.30	-1.2	9.98	11.18	3.12E-10	6.39E-09
ILMN_1739496	PRRX1	NM_022716.2	-2.13	-1.09	11.63	12.71	3.19E-10	6.5E-09
ILMN_1790534	LOC651423	XM_940575.1	-2.60	-1.38	9.95	11.33	3.25E-10	6.61E-09
ILMN_1742031	IFRD2	NM_006764.3	-2.68	-1.42	9.33	10.75	3.27E-10	6.65E-09
ILMN_1658027	RAD54L	NM_003579.2	-2.39	-1.26	9.12	10.38	3.32E-10	6.74E-09
ILMN_1666305	CDKN3	NM_005192.2	-2.73	-1.45	10.37	11.82	3.37E-10	6.82E-09
ILMN_2066756	NCAPG2	NM_017760.5	-2.64	-1.4	10.45	11.85	3.56E-10	7.18E-09
ILMN_2338268	ABHD11	NM_148916.2	-2.17	-1.12	9.19	10.31	3.56E-10	7.18E-09
ILMN_2383611	PTPRE	NM_130435.2	-1.99	-0.99	11.09	12.08	3.6E-10	7.25E-09
ILMN_1666306	LOC402055	NM_001013694.1	-2.00	-1	9.8	10.8	3.64E-10	7.32E-09
ILMN_1741954	SMYD3	NM_022743.1	-1.83	-0.87	11.31	12.18	3.74E-10	7.51E-09
ILMN_2087303	XKR8	NM_018053.2	-2.22	-1.15	9.15	10.3	3.77E-10	7.57E-09
ILMN_1803348	EHBP1	NM_015252.2	-1.87	-0.9	12.56	13.46	3.81E-10	7.63E-09
ILMN_2320250	NOL6	NM_139235.3	-1.99	-0.99	11.38	12.38	3.85E-10	7.7E-09
ILMN_1771688	RAB7B	NM_177403.3	-2.38	-1.25	9.87	11.12	3.88E-10	7.76E-09
ILMN_1684346	TNFAIP8L1	NM_152362.1	-3.12	-1.64	8.68	10.32	3.89E-10	7.76E-09
ILMN_1691071	FCRLM1	NM_032738.3	-2.45	-1.29	7.59	8.89	3.95E-10	7.88E-09
ILMN_2183409	SCARB1	NM_005505.3	-1.91	-0.93	11.15	12.08	3.95E-10	7.88E-09
ILMN_1797728	HMGCS1	NM_002130.4	-2.07	-1.05	13.91	14.97	4E-10	7.97E-09
ILMN_1779353	PUS7	NM_019042.3	-3.12	-1.64	9.48	11.12	4.05E-10	8.06E-09
ILMN_1670218	EXOSC6	NM_058219.2	-1.83	-0.87	11.26	12.13	4.14E-10	8.24E-09
ILMN_1748427	ZNF239	NM_005674.1	-2.01	-1.01	10.11	11.11	4.2E-10	8.33E-09
ILMN_1688178	CGI-96	NM_015703.3	-2.06	-1.04	10.92	11.96	4.21E-10	8.33E-09
ILMN_2334204	FLJ20105	NM_017669.2	-3.27	-1.71	7.76	9.47	4.22E-10	8.34E-09
ILMN_1691476	MYLK	NM_005965.3	-3.39	-1.76	8.53	10.29	4.22E-10	8.34E-09
ILMN_1728572	DOK5	NM_018431.3	-2.03	-1.02	10.55	11.57	4.25E-10	8.4E-09

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ILMN_1658143	RFC3	NM_181558.1	-2.97	-1.57	10.23	11.8	4.26E-10	8.42E-09
ILMN_1799103	SNRPB	NM_003091.3	-1.77	-0.82	13.21	14.03	4.34E-10	8.55E-09
ILMN_1808789	MYO5C	NM_018728.1	-2.57	-1.36	9.43	10.79	4.47E-10	8.78E-09
ILMN_2098446	PMAIP1	NM_021127.1	-3.58	-1.84	8.29	10.13	4.48E-10	8.78E-09
ILMN_1735877	EFEMP1	NM_004105.2	-1.99	-0.99	11.62	12.62	4.48E-10	8.78E-09
ILMN_2357809	G3BP1	NM_198395.1	-1.91	-0.93	10.76	11.69	4.49E-10	8.78E-09
ILMN_1761463	EFHD2	NM_024329.4	-2.13	-1.09	11.74	12.83	4.56E-10	8.92E-09
ILMN_2362457	ZDHHC16	NM_032327.2	-1.95	-0.96	11.24	12.2	4.57E-10	8.92E-09
ILMN_1735093	TIMELESS	NM_003920.2	-2.00	-1	11.24	12.24	4.63E-10	9.02E-09
ILMN_2404256	PTPRT	NM_007050.4	-3.86	-1.95	7.57	9.52	4.64E-10	9.03E-09
ILMN_1751028	SERPINH1	NM_001235.2	-1.95	-0.96	12.54	13.5	4.73E-10	9.18E-09
ILMN_1678692	M-RIP	NM_201274.2	-3.29	-1.72	9.7	11.42	4.77E-10	9.25E-09
ILMN_1698225	MYO5A	NM_000259.1	-2.03	-1.02	9.86	10.88	4.78E-10	9.25E-09
ILMN_2196984	OIP5	NM_007280.1	-2.57	-1.36	10.72	12.08	4.81E-10	9.29E-09
ILMN_2172890	SLC18A1	NM_003053.1	-2.14	-1.1	9.26	10.35	4.84E-10	9.34E-09
ILMN_1726659	THOP1	NM_003249.3	-1.84	-0.88	11.13	12	4.86E-10	9.36E-09
ILMN_1798654	MCM6	NM_005915.4	-2.01	-1.01	12.73	13.75	4.89E-10	9.42E-09
ILMN_1799516	DNAJC9	NM_015190.3	-1.75	-0.81	12.95	13.77	5.04E-10	9.69E-09
ILMN_1734445	LOC91461	NM_138370.1	-2.41	-1.27	7.94	9.2	5.14E-10	9.85E-09
ILMN_1794165	PGD	NM_002631.2	-1.78	-0.83	13.85	14.69	5.2E-10	9.97E-09
ILMN_1661755	C9ORF88	NM_022833.2	-2.17	-1.12	12.88	14	5.36E-10	1.02E-08
ILMN_2169966	TM4SF18	NM_138786.1	-2.77	-1.47	7.43	8.9	5.55E-10	1.05E-08
ILMN_1800697	LDB2	NM_001290.2	-1.87	-0.9	11.94	12.85	5.59E-10	1.06E-08
ILMN_1673676	SNX5	NM_152227.1	-2.66	-1.41	10.88	12.29	5.68E-10	1.07E-08
ILMN_1695404	LY6E	NM_002346.1	-2.41	-1.27	10.23	11.5	5.71E-10	1.08E-08
ILMN_1723625	MAP4K2	NM_004579.2	-2.07	-1.05	11.26	12.31	5.72E-10	1.08E-08
ILMN_2394242	AMMECR1	NM_001025580.1	-2.81	-1.49	8.83	10.32	5.73E-10	1.08E-08
ILMN_1714335	RDH10	NM_172037.2	-2.17	-1.12	10.72	11.84	5.81E-10	1.09E-08
ILMN_1703123	AXUD1	NM_033027.2	-2.03	-1.02	11.76	12.79	5.95E-10	1.12E-08
ILMN_1778321	SLC2A6	NM_017585.2	-2.64	-1.4	10.81	12.22	5.98E-10	1.12E-08
ILMN_1720526	C16ORF60	NM_018455.3	-2.30	-1.2	11.01	12.21	6.1E-10	1.14E-08
ILMN_1772645	MULK	NM_018238.2	-1.71	-0.77	11.4	12.17	6.11E-10	1.14E-08
ILMN_2373763	CASP7	NM_033339.3	-2.33	-1.22	9.7	10.92	6.18E-10	1.15E-08
ILMN_1652505	APEX2	NM_014481.2	-1.79	-0.84	11.01	11.85	6.19E-10	1.15E-08
ILMN_1673252	JTV1	NM_006303.2	-1.84	-0.88	12.5	13.38	6.22E-10	1.16E-08
ILMN_2407619	CDC25C	NM_001790.3	-3.18	-1.67	8.75	10.42	6.25E-10	1.16E-08
ILMN_1704055	HSPC111	NM_016391.2	-2.55	-1.35	9.74	11.09	6.33E-10	1.18E-08
ILMN_1742577	GTPBP4	NM_012341.2	-1.91	-0.93	12.51	13.44	6.34E-10	1.18E-08
ILMN_2339835	PTGS1	NM_080591.1	-3.53	-1.82	8.24	10.06	6.36E-10	1.18E-08
ILMN_2070013	SLC25A15	NM_014252.2	-2.19	-1.13	8.7	9.84	6.36E-10	1.18E-08
ILMN_2367239	DSCR1	NM_203417.1	-1.91	-0.93	13.66	14.59	6.38E-10	1.18E-08
ILMN_1684217	AURKB	NM_004217.1	-3.61	-1.85	10.35	12.2	6.59E-10	1.21E-08
ILMN_2382505	SLC22A18	NM_002555.3	-1.80	-0.85	9.19	10.04	6.68E-10	1.23E-08

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ILMN_2375418	DPH2	NM_001384.4	-1.79	-0.84	11.26	12.09	6.77E-10	1.24E-08
ILMN_1727194	CALU	NM_001219.2	-1.78	-0.83	12.77	13.61	6.78E-10	1.24E-08
ILMN_1753249	DDX10	NM_004398.2	-1.71	-0.77	11.37	12.14	6.81E-10	1.25E-08
ILMN_1651254	LPP	NM_005578.2	-1.99	-0.99	11.41	12.4	7.07E-10	1.29E-08
ILMN_1794468	QPCTL	NM_017659.1	-2.10	-1.07	7.86	8.93	7.32E-10	1.33E-08
ILMN_1715616	PPIL5	NM_152329.3	-1.99	-0.99	11.34	12.32	7.43E-10	1.35E-08
ILMN_2112417	PGAM1	NM_002629.2	-1.83	-0.87	13.76	14.63	7.59E-10	1.37E-08
ILMN_1808238	RBPMS2	NM_194272.1	-2.83	-1.5	10.75	12.25	7.62E-10	1.38E-08
ILMN_1707807	RNF128	NM_194463.1	-2.31	-1.21	8.9	10.12	7.69E-10	1.39E-08
ILMN_1733157	THSD1	NM_018676.2	-2.93	-1.55	9.33	10.88	7.75E-10	0.000000014
ILMN_1815190	METTL1	NM_005371.3	-2.31	-1.21	9.9	11.11	7.76E-10	0.000000014
ILMN_1726743	MRPS30	NM_016640.3	-2.10	-1.07	11.82	12.9	7.99E-10	1.44E-08
ILMN_1763540	PSME4	NM_014614.1	-3.10	-1.63	10.26	11.89	7.99E-10	1.44E-08
ILMN_2140974	TPM4	NM_003290.1	-1.88	-0.91	11	11.92	8E-10	1.44E-08
ILMN_2399893	RPS24	NM_001026.3	-2.16	-1.11	12.47	13.57	8.25E-10	1.48E-08
ILMN_1763638	BCAR3	NM_003567.2	-1.91	-0.93	11.42	12.35	8.29E-10	1.48E-08
ILMN_1707484	GEMIN6	NM_024775.9	-2.48	-1.31	10.39	11.69	8.49E-10	1.52E-08
ILMN_1685413	ALG8	NM_001007027.1	-1.72	-0.78	11.47	12.25	8.57E-10	1.53E-08
ILMN_2224143	MCM3	NM_002388.3	-1.93	-0.95	13.44	14.39	8.6E-10	1.53E-08
ILMN_2140990	CAMK1	NM_003656.3	-1.96	-0.97	10.8	11.77	8.75E-10	1.56E-08
ILMN_1807501	SLD5	NM_032336.1	-2.60	-1.38	9.48	10.86	8.89E-10	1.58E-08
ILMN_1788166	TTK	NM_003318.3	-3.18	-1.67	9.71	11.38	9.1E-10	1.62E-08
ILMN_2368971	PSMD12	NM_002816.3	-1.97	-0.98	11.24	12.22	9.2E-10	1.63E-08
ILMN_2394250	PLEKHA1	NM_021622.3	-2.50	-1.32	11.18	12.5	9.24E-10	1.64E-08
ILMN_1669502	E2F3	NM_001949.2	-1.74	-0.8	11.64	12.43	9.38E-10	1.66E-08
ILMN_1773395	RDH5	NM_002905.2	-2.25	-1.17	10.25	11.42	9.43E-10	1.67E-08
ILMN_1781479	SUV39H1	NM_003173.1	-1.96	-0.97	11.1	12.07	9.97E-10	1.76E-08
ILMN_1680367	C10ORF90	NM_001004298.2	-2.57	-1.36	8.02	9.38	1.02E-09	1.79E-08
ILMN_2381138	SEH1L	NM_001013437.1	-1.88	-0.91	10.19	11.1	1.02E-09	0.000000018
ILMN_1810423	RPP40	NM_006638.2	-1.99	-0.99	10.99	11.99	1.04E-09	1.83E-08
ILMN_1689378	CCRN4L	NM_012118.2	-2.19	-1.13	9	10.13	1.04E-09	1.83E-08
ILMN_1664231	TIMM23	XM_943316.1	-1.66	-0.73	12.59	13.32	1.05E-09	1.84E-08
ILMN_1656452	FLJ13909	NM_025108.1	-2.46	-1.3	9.64	10.94	1.05E-09	1.84E-08
ILMN_1763129	XTP3TPA	NM_024096.1	-1.84	-0.88	12.36	13.24	1.06E-09	1.84E-08
ILMN_2383484	C19ORF48	NM_199250.1	-2.01	-1.01	10.58	11.59	1.06E-09	1.85E-08
ILMN_1712803	CCNB1	NM_031966.2	-3.16	-1.66	9.23	10.9	1.06E-09	1.85E-08
ILMN_1672121	LOC387856	XM_937099.1	-1.77	-0.82	10.7	11.53	1.06E-09	1.85E-08
ILMN_1737195	FKSG14	NM_022145.2	-3.14	-1.65	9.31	10.96	1.07E-09	1.86E-08
ILMN_1678353	FARP1	NM_005766.2	-2.08	-1.06	12.76	13.82	1.07E-09	1.86E-08
ILMN_1756612	STK32A	NM_145001.1	-2.46	-1.3	8.4	9.71	1.09E-09	1.89E-08
ILMN_1685834	AMPH	NM_001635.2	-1.84	-0.88	11.81	12.68	1.11E-09	1.92E-08
ILMN_2181191	TPI1	NM_000365.4	-1.65	-0.72	14.56	15.27	1.13E-09	1.94E-08
ILMN_1813846	P2RX4	NM_175568.1	-1.87	-0.9	9.32	10.22	1.15E-09	1.99E-08

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ILMN_1697363	C20ORF27	NM_017874.2	-1.85	-0.89	10.8	11.69	1.15E-09	1.99E-08
ILMN_2210129	PRIM1	NM_000946.2	-1.99	-0.99	11	11.98	1.16E-09	1.99E-08
ILMN_2056479	TXNL2	NM_006541.2	-1.77	-0.82	12.42	13.24	1.17E-09	0.00000002
ILMN_2376723	CDKN2B	NM_078487.2	-2.46	-1.3	10.41	11.7	1.18E-09	2.03E-08
ILMN_1656540	RUVBL1	NM_003707.1	-1.95	-0.96	11.4	12.36	1.21E-09	2.07E-08
ILMN_1815039	C6ORF153	NM_033112.2	-1.91	-0.93	12.41	13.34	1.22E-09	2.08E-08
ILMN_1685928	WDR34	NM_052844.3	-2.01	-1.01	10.75	11.76	1.23E-09	2.11E-08
ILMN_1714364	PTK2	NM_153831.2	-1.87	-0.9	13.63	14.53	1.24E-09	2.11E-08
ILMN_1810486	RAB34	NM_031934.3	-2.08	-1.06	11.54	12.6	1.24E-09	2.12E-08
ILMN_1703370	ZDHHC12	NM_032799.4	-1.97	-0.98	10	10.98	1.25E-09	2.14E-08
ILMN_2353143	FBLIM1	NM_001024215.1	-2.33	-1.22	7.89	9.1	1.27E-09	2.16E-08
ILMN_1796335	AYTL1	NM_017839.3	-2.23	-1.16	8.3	9.46	1.28E-09	2.17E-08
ILMN_2235283	MAPK1	NM_138957.2	-2.46	-1.3	9.39	10.69	1.32E-09	2.23E-08
ILMN_1711005	CDC25A	NM_001789.2	-2.31	-1.21	9.96	11.18	1.32E-09	2.23E-08
ILMN_1651902	RASL11A	NM_206827.1	-1.84	-0.88	7.84	8.72	1.33E-09	2.25E-08
ILMN_2156982	IMP4	NM_033416.1	-2.04	-1.03	12.24	13.28	1.34E-09	2.27E-08
ILMN_1805828	VRK1	NM_003384.2	-2.77	-1.47	9.83	11.29	1.34E-09	2.27E-08
ILMN_1780298	FAM86A	NM_201400.1	-3.51	-1.81	8.69	10.5	1.35E-09	2.28E-08
ILMN_1676504	RPRML	NM_203400.1	-2.31	-1.21	8.64	9.86	1.35E-09	2.28E-08
ILMN_1805658	LTV1	NM_032860.3	-1.78	-0.83	11.09	11.93	1.35E-09	2.28E-08
ILMN_1726114	SLC45A3	NM_033102.1	-2.75	-1.46	8.65	10.11	1.36E-09	0.000000023
ILMN_1747303	DDX39	NM_005804.2	-1.87	-0.9	12.68	13.58	1.39E-09	2.33E-08
ILMN_1719577	C10ORF67	NM_153714.1	-2.38	-1.25	7.91	9.16	1.39E-09	2.33E-08
ILMN_2180371	C12ORF24	NM_013300.1	-2.30	-1.2	10.89	12.09	1.4E-09	2.34E-08
ILMN_2048607	ANKRD9	NM_152326.2	-2.07	-1.05	11.71	12.77	1.41E-09	2.36E-08
ILMN_1672660	MBP	NM_001025100.1	-2.19	-1.13	8.24	9.37	1.41E-09	2.36E-08
ILMN_1713952	C1ORF106	NM_018265.1	-2.10	-1.07	10.2	11.27	1.41E-09	2.36E-08
ILMN_1802151	OSBPL5	NM_020896.2	-1.75	-0.81	10.5	11.31	1.43E-09	2.38E-08
ILMN_1784532	COL22A1	NM_152888.1	-2.45	-1.29	11.57	12.85	1.43E-09	2.38E-08
ILMN_1789186	OBFC1	NM_024928.3	-1.83	-0.87	10.49	11.36	1.43E-09	2.39E-08
ILMN_2184640	NOLC1	NM_004741.1	-1.79	-0.84	10.59	11.42	1.44E-09	2.39E-08
ILMN_2344971	FOXM1	NM_021953.2	-3.63	-1.86	9.21	11.08	1.44E-09	2.39E-08
ILMN_2414399	NME1	NM_000269.2	-2.39	-1.26	9.77	11.03	1.44E-09	0.000000024
ILMN_2380850	SDCCAG3	NM_001039708.1	-1.82	-0.86	10.59	11.45	1.45E-09	0.000000024
ILMN_2335718	HNRPAB	NM_004499.3	-1.73	-0.79	13.31	14.1	1.45E-09	2.41E-08
ILMN_2329569	C9ORF116	NM_144654.1	-2.17	-1.12	10.51	11.63	1.45E-09	2.41E-08
ILMN_2323087	RBPMS	NM_001008712.1	-1.97	-0.98	10.36	11.34	1.51E-09	0.000000025
ILMN_1800958	ALS2CR4	NM_152388.1	-1.89	-0.92	12.12	13.04	1.52E-09	2.51E-08
ILMN_1798172	IPO4	NM_024658.3	-2.79	-1.48	9.5	10.98	1.54E-09	2.55E-08
ILMN_1813389	MRPS7	NM_015971.2	-1.73	-0.79	11.53	12.32	1.56E-09	2.57E-08
ILMN_1699206	KIAA1727	NM_033393.1	-2.45	-1.29	8.41	9.7	1.57E-09	2.58E-08
ILMN_1773801	TGFB111	NM_015927.3	-2.33	-1.22	8.48	9.7	1.58E-09	0.000000026
ILMN_1713875	NME1	NM_198175.1	-2.30	-1.2	9.7	10.89	1.61E-09	2.65E-08

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ILMN_1803317	C9ORF114	NM_016390.2	-1.99	-0.99	10.97	11.95	1.62E-09	2.66E-08
ILMN_2357855	NTRK2	NM_001018065.1	-2.43	-1.28	9.65	10.94	1.63E-09	2.68E-08
ILMN_1810852	LAMC1	NM_002293.2	-2.58	-1.37	12.73	14.1	1.68E-09	2.76E-08
ILMN_1663401	LARP6	NM_197958.1	-2.50	-1.32	9.93	11.25	1.7E-09	2.78E-08
ILMN_2148796	MND1	NM_032117.2	-2.73	-1.45	8.48	9.94	1.71E-09	0.000000028
ILMN_1769082	TXNDC5	NM_030810.2	-2.91	-1.54	8.78	10.32	1.74E-09	2.84E-08
ILMN_1739645	ANLN	NM_018685.2	-2.68	-1.42	9.16	10.59	1.78E-09	0.000000029
ILMN_1676305	PTK2	NM_153831.2	-2.17	-1.12	8.29	9.41	1.79E-09	2.91E-08
ILMN_1738530	ATAD3A	NM_018188.2	-2.07	-1.05	10.18	11.23	1.79E-09	2.91E-08
ILMN_1663195	MCM7	NM_182776.1	-1.83	-0.87	13.73	14.59	1.87E-09	3.03E-08
ILMN_1801391	SKP2	NM_005983.2	-1.74	-0.8	8.77	9.58	1.88E-09	3.04E-08
ILMN_1722127	RAD54B	NM_012415.2	-1.66	-0.73	10.06	10.79	1.99E-09	3.21E-08
ILMN_1809047	TBRG4	NM_004749.2	-2.58	-1.37	8.94	10.31	1.99E-09	3.21E-08
ILMN_1679382	CCT2	NM_006431.2	-1.72	-0.78	14.02	14.8	2E-09	3.23E-08
ILMN_1726306	HMBS	NM_001024382.1	-2.23	-1.16	11.19	12.36	2.02E-09	3.24E-08
ILMN_2149400	SPC25	NM_020675.3	-2.64	-1.4	7.45	8.85	2.02E-09	3.24E-08
ILMN_1705686	NRGN	NM_006176.1	-2.75	-1.46	8.81	10.26	2.03E-09	3.25E-08
ILMN_2332250	ACOT7	NM_007274.3	-1.74	-0.8	12.52	13.32	2.09E-09	3.35E-08
ILMN_1734229	SPPL2A	NM_032802.2	-1.67	-0.74	11.38	12.13	2.09E-09	3.36E-08
ILMN_2080611	PDSS1	NM_014317.3	-1.71	-0.77	10.77	11.55	2.1E-09	3.36E-08
ILMN_2212354	WDR46	NM_005452.4	-1.88	-0.91	10.83	11.73	2.11E-09	3.37E-08
ILMN_1787186	NOV	NM_002514.2	-3.03	-1.6	8.91	10.51	2.11E-09	3.38E-08
ILMN_1661337	SRM	NM_003132.2	-1.99	-0.99	11.68	12.67	2.12E-09	3.38E-08
ILMN_1796235	CIRH1A	NM_032830.1	-1.69	-0.76	11.87	12.64	2.17E-09	3.46E-08
ILMN_1751086	DKFZP564J01	NM_015459.3	-1.92	-0.94	9.54	10.48	2.17E-09	3.46E-08
ILMN_2360229	MAPKAP1	NM_001006618.1	-2.01	-1.01	11.57	12.59	2.2E-09	0.000000035
ILMN_1758939	RIPK2	NM_003821.4	-2.00	-1	10.55	11.55	2.22E-09	3.52E-08
ILMN_1791002	SKP2	NM_032637.2	-2.43	-1.28	9.47	10.75	2.25E-09	3.58E-08
ILMN_2398489	OPRS1	NM_005866.2	-1.79	-0.84	11.3	12.14	2.28E-09	3.62E-08
ILMN_1708486	CNN2	NM_004368.2	-2.33	-1.22	8.96	10.18	2.29E-09	3.62E-08
ILMN_1694923	PTPN9	NM_002833.2	-2.11	-1.08	9.66	10.74	2.3E-09	3.64E-08
ILMN_1671257	DKC1	NM_001363.2	-1.67	-0.74	12.73	13.48	2.3E-09	3.64E-08
ILMN_1695357	FLJ20364	NM_017785.2	-1.93	-0.95	10.63	11.59	2.31E-09	3.64E-08
ILMN_1695576	MRPL24	NM_024540.2	-1.67	-0.74	13.03	13.77	2.31E-09	3.65E-08
ILMN_1766169	BCAT1	NM_005504.4	-2.58	-1.37	11.15	12.51	2.34E-09	3.69E-08
ILMN_1779190	ALKBH8	NM_138775.1	-2.22	-1.15	9.63	10.78	2.37E-09	3.74E-08
ILMN_2183510	ARMET	NM_006010.2	-1.77	-0.82	13.51	14.33	2.4E-09	3.78E-08
ILMN_2410194	SPRED3	NM_001039616.1	-2.39	-1.26	7.42	8.68	2.45E-09	3.85E-08
ILMN_1798700	CHRNA1	NM_000079.1	-2.53	-1.34	7.94	9.28	2.47E-09	3.88E-08
ILMN_1765446	EMP3	NM_001425.1	-2.13	-1.09	13.34	14.42	2.5E-09	3.91E-08
ILMN_1740430	SLC2A4RG	NM_020062.3	-2.38	-1.25	9.5	10.75	2.5E-09	3.91E-08
ILMN_2155172	BXDC2	NM_018321.3	-2.03	-1.02	10.51	11.53	2.5E-09	3.91E-08
ILMN_1750101	S100A11	NM_005620.1	-2.06	-1.04	11.34	12.38	2.53E-09	3.96E-08

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ILMN_1700306	OCIAD2	NM_001014446.1	-2.55	-1.35	9.72	11.07	2.57E-09	4.01E-08
ILMN_2354211	RCC1	NM_001269.3	-2.43	-1.28	8.72	10	2.61E-09	4.07E-08
ILMN_2392143	TRAF6	NM_004620.2	-1.91	-0.93	9.82	10.75	2.61E-09	4.07E-08
ILMN_2364521	AXL	NM_021913.2	-1.72	-0.78	10.67	11.45	2.62E-09	4.07E-08
ILMN_1788019	LAMA2	NM_000426.2	-2.30	-1.2	8.03	9.23	2.63E-09	4.09E-08
ILMN_1711888	COBL	NM_015198.2	-2.13	-1.09	10.73	11.82	2.65E-09	4.13E-08
ILMN_1748241	RP11-19J3.3	NM_001012267.1	-2.57	-1.36	8.23	9.59	2.66E-09	4.13E-08
ILMN_1663113	TLL12	NM_015140.2	-1.84	-0.88	10.7	11.58	2.75E-09	4.27E-08
ILMN_2061732	YRDC	NM_024640.3	-1.61	-0.69	11.24	11.93	2.81E-09	4.35E-08
ILMN_1774661	SNRPB	NM_003091.3	-2.16	-1.11	12.2	13.31	2.82E-09	4.36E-08
ILMN_2286106	PAICS	NM_006452.2	-2.43	-1.28	7.6	8.88	2.85E-09	4.41E-08
ILMN_1783728	TBRG4	NM_199122.1	-2.03	-1.02	11.07	12.09	2.86E-09	4.42E-08
ILMN_1690822	VAPA	NM_003574.4	-2.50	-1.32	8.23	9.55	2.88E-09	4.45E-08
ILMN_1743714	CARD10	NM_014550.3	-2.71	-1.44	9.1	10.54	2.94E-09	4.52E-08
ILMN_2329679	TPST2	NM_001008566.1	-1.77	-0.82	12.11	12.92	2.95E-09	4.53E-08
ILMN_1726720	NUSAP1	NM_016359.2	-1.83	-0.87	12.56	13.43	3E-09	4.61E-08
ILMN_1727315	DENND1A	NM_024820.2	-2.36	-1.24	8.78	10.02	3.03E-09	4.65E-08
ILMN_1655733	RFC2	NM_181471.1	-2.50	-1.32	9.72	11.04	3.04E-09	4.66E-08
ILMN_1657955	FMNL3	NM_198900.2	-2.41	-1.27	7.67	8.94	3.13E-09	4.78E-08
ILMN_1702822	NTRK2	NM_006180.3	-1.95	-0.96	8.13	9.09	3.14E-09	0.000000048
ILMN_1800634	NME4	NM_005009.2	-1.87	-0.9	13.41	14.31	3.19E-09	4.87E-08
ILMN_1658678	SAAL1	NM_138421.1	-1.67	-0.74	11.32	12.06	3.22E-09	4.91E-08
ILMN_2333319	PTBP1	NM_175847.1	-1.64	-0.71	14.67	15.38	3.23E-09	4.92E-08
ILMN_2316173	AP1S1	NM_001283.2	-1.75	-0.81	12.71	13.52	3.32E-09	5.04E-08
ILMN_2140059	LAMA4	NM_002290.2	-3.56	-1.83	8.25	10.08	3.36E-09	5.09E-08
ILMN_1797184	PKN3	NM_013355.3	-2.27	-1.18	8.07	9.25	3.4E-09	5.15E-08
ILMN_2341952	MRPL35	NM_145644.1	-1.87	-0.9	11.47	12.37	3.44E-09	5.19E-08
ILMN_1699354	EPHA2	NM_004431.2	-2.39	-1.26	8.87	10.12	3.44E-09	5.19E-08
ILMN_1768127	EBNA1BP2	NM_006824.1	-1.59	-0.67	13.24	13.91	3.49E-09	5.26E-08
ILMN_1814213	PQLC3	NM_152391.2	-1.80	-0.85	10.32	11.17	3.65E-09	5.49E-08
ILMN_1680626	PDIA6	NM_005742.2	-1.67	-0.74	11.9	12.64	3.75E-09	5.63E-08
ILMN_1707503	C1ORF144	NM_015609.1	-1.82	-0.86	11.58	12.45	3.8E-09	5.69E-08
ILMN_1753482	FLJ10661	NM_152563.1	-2.07	-1.05	9.4	10.45	3.84E-09	5.74E-08
ILMN_1664303	HTATIP2	NM_006410.3	-2.64	-1.4	7.32	8.72	3.89E-09	0.000000058
ILMN_1736816	C13ORF3	NM_145061.3	-3.10	-1.63	8.88	10.51	3.9E-09	5.82E-08
ILMN_2341793	CCT7	NM_001009570.1	-1.64	-0.71	14.44	15.14	3.94E-09	5.86E-08
ILMN_2242403	DGUOK	NM_080916.1	-1.74	-0.8	11.19	12	3.95E-09	5.88E-08
ILMN_1756676	PHF19	NM_001009936.1	-3.36	-1.75	8.49	10.24	4.04E-09	0.00000006
ILMN_1711331	MAP1LC3C	NM_001004343.1	-1.91	-0.93	9.48	10.41	4.04E-09	0.00000006
ILMN_1671291	EIF3S2	NM_003757.1	-1.58	-0.66	13.43	14.09	4.14E-09	6.13E-08
ILMN_1662954	CCT7	NM_006429.2	-1.78	-0.83	13.03	13.87	4.15E-09	6.14E-08
ILMN_1783276	NEXN	NM_144573.1	-1.93	-0.95	9.99	10.94	4.21E-09	6.21E-08
ILMN_1714067	NTRK2	NM_001007097.1	-2.23	-1.16	9.36	10.52	4.28E-09	6.31E-08

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ILMN_2266948	SLC38A1	NM_030674.2	-2.91	-1.54	8.38	9.92	4.28E-09	6.32E-08
ILMN_1751785	DMRT2	NM_181872.1	-2.14	-1.1	7.17	8.27	4.32E-09	6.36E-08
ILMN_1681503	MCM2	NM_004526.2	-1.84	-0.88	11.53	12.4	4.37E-09	6.43E-08
ILMN_1793360	APITD1	NM_198544.2	-1.82	-0.86	10.93	11.79	4.43E-09	0.000000065
ILMN_2132161	KIF18A	NM_031217.2	-3.97	-1.99	8.15	10.14	4.43E-09	0.000000065
ILMN_1782069	TRAK1	NM_014965.2	-1.82	-0.86	10.1	10.96	4.45E-09	6.53E-08
ILMN_1662658	PUS1	NM_025215.4	-1.83	-0.87	11.27	12.14	4.47E-09	6.56E-08
ILMN_2370907	RAD51L3	NM_002878.2	-1.77	-0.82	10.16	10.98	4.49E-09	6.58E-08
ILMN_1752802	CRR9	NM_030782.2	-1.69	-0.76	12.32	13.08	4.5E-09	6.59E-08
ILMN_2408576	FAM129B	NM_001035534.1	-1.95	-0.96	10.18	11.14	4.5E-09	6.59E-08
ILMN_1725193	IGFBP2	NM_000597.2	-1.89	-0.92	13.31	14.23	4.55E-09	6.65E-08
ILMN_1729868	LOC283377	NM_207344.1	-1.85	-0.89	9.17	10.06	4.59E-09	0.000000067
ILMN_2373689	DIAPH3	NM_001042517.1	-2.46	-1.3	8.46	9.76	4.7E-09	6.86E-08
ILMN_1781999	ABCF2	NM_005692.3	-1.66	-0.73	11.35	12.08	4.72E-09	6.87E-08
ILMN_1795383	RPUSD3	NM_173659.2	-1.97	-0.98	10.57	11.55	4.81E-09	0.00000007
ILMN_1748890	GPR176	NM_007223.1	-2.46	-1.3	8.35	9.65	4.82E-09	0.00000007
ILMN_1663032	FNDC4	NM_022823.1	-1.72	-0.78	11.58	12.36	4.83E-09	7.01E-08
ILMN_1738657	SATB2	NM_015265.1	-2.04	-1.03	10.54	11.57	4.85E-09	7.02E-08
ILMN_2175601	VDAC1	NM_003374.1	-1.72	-0.78	13.56	14.34	4.88E-09	7.06E-08
ILMN_1685433	COL8A1	NM_020351.2	-1.85	-0.89	12.64	13.53	4.89E-09	7.07E-08
ILMN_1807106	LDHA	NM_005566.1	-1.68	-0.75	13.88	14.64	4.91E-09	0.000000071
ILMN_1798459	PPAN	NM_020230.4	-2.38	-1.25	8.99	10.24	4.93E-09	7.12E-08
ILMN_2400250	FAM86A	NM_201598.1	-2.66	-1.41	9.32	10.73	5.05E-09	7.28E-08
ILMN_1724293	KDELR2	NM_006854.2	-1.68	-0.75	11.96	12.71	5.05E-09	7.29E-08
ILMN_1673455	RASAL2	NM_170692.1	-1.96	-0.97	9.47	10.44	5.06E-09	7.29E-08
ILMN_1794740	CD151	NM_139030.2	-1.91	-0.93	11.42	12.35	5.06E-09	7.29E-08
ILMN_1733562	TFB1M	NM_016020.1	-2.06	-1.04	10.8	11.84	5.14E-09	7.38E-08
ILMN_1769911	SLC38A1	NM_030674.2	-2.23	-1.16	11.72	12.89	5.2E-09	7.44E-08
ILMN_2399431	PRPS2	NM_001039091.1	-2.17	-1.12	9.92	11.04	5.25E-09	7.51E-08
ILMN_1651776	FHOD1	NM_013241.1	-2.73	-1.45	8.85	10.29	5.32E-09	0.000000076
ILMN_1673773	GALNTL4	NM_198516.1	-1.91	-0.93	8.65	9.58	5.34E-09	7.62E-08
ILMN_1687652	TGFB3	NM_003239.1	-1.82	-0.86	9.35	10.21	5.42E-09	7.71E-08
ILMN_1711470	UBE2T	NM_014176.1	-2.38	-1.25	11.03	12.28	5.66E-09	0.00000008
ILMN_1797693	BRI3BP	XM_941876.1	-2.43	-1.28	8.63	9.91	5.71E-09	8.07E-08
ILMN_1688152	IL27RA	NM_004843.2	-2.04	-1.03	9.07	10.1	5.74E-09	8.11E-08
ILMN_1689972	RNU3IP2	NM_004704.3	-2.25	-1.17	9.14	10.31	5.75E-09	8.11E-08
ILMN_1791006	AHI1	NM_017651.3	-2.13	-1.09	9.81	10.9	5.85E-09	8.23E-08
ILMN_1802252	GAPDH	NM_002046.2	-1.71	-0.77	13.67	14.45	5.85E-09	8.23E-08
ILMN_1653443	CDK2	NM_001798.2	-2.27	-1.18	10.24	11.42	5.92E-09	8.32E-08
ILMN_2409395	CCNC	NM_001013399.1	-1.79	-0.84	11.04	11.88	6.08E-09	8.51E-08
ILMN_1721868	LOC643995	XM_930156.1	-3.20	-1.68	10.79	12.47	6.2E-09	8.67E-08
ILMN_1735461	DDX21	NM_004728.2	-1.72	-0.78	11.79	12.57	6.29E-09	8.76E-08
ILMN_1790659	GNL3	NM_206825.1	-2.07	-1.05	8.11	9.15	6.44E-09	8.97E-08

Supplementary Table 2

ILMN_2356578	TH	NM_000360.3	-2.97	-1.57	8.05	9.62	6.49E-09	9.03E-08
ILMN_1691364	STAT1	NM_139266.1	-1.73	-0.79	10.68	11.47	6.59E-09	9.15E-08
ILMN_2187727	NOC3L	NM_022451.9	-2.23	-1.16	10.03	11.19	6.61E-09	9.18E-08
ILMN_1773760	PAICS	NM_006452.2	-1.67	-0.74	13.9	14.64	6.63E-09	0.000000092
ILMN_1729368	FZD8	NM_031866.1	-2.11	-1.08	9.86	10.94	6.69E-09	9.26E-08
ILMN_1659952	MTMR2	NM_201281.1	-1.74	-0.8	10.63	11.43	6.79E-09	9.36E-08
ILMN_2288784	CCDC34	NM_030771.1	-3.01	-1.59	9.3	10.88	6.89E-09	0.000000095
ILMN_1758104	PRPS2	NM_002765.2	-1.84	-0.88	9.8	10.67	6.97E-09	0.000000096
ILMN_1737475	ABHD11	NM_148914.2	-2.17	-1.12	9.42	10.54	7.13E-09	9.79E-08
ILMN_1680129	NSUN2	NM_017755.4	-1.66	-0.73	12.23	12.96	7.14E-09	9.81E-08
ILMN_1806294	RPS6KA3	NM_004586.2	-2.08	-1.06	9.46	10.53	7.22E-09	9.91E-08
ILMN_1741148	ALDOA	NM_184041.1	-1.73	-0.79	14.02	14.8	7.23E-09	9.91E-08
ILMN_1779584	WDR50	NM_016001.1	-1.77	-0.82	10.34	11.17	7.26E-09	9.94E-08
ILMN_2202948	BUB1	NM_004336.2	-4.08	-2.03	8.79	10.82	7.26E-09	9.94E-08
ILMN_2225974	GCLM	NM_002061.2	-1.95	-0.96	8.74	9.7	7.33E-09	0.0000001
ILMN_1710428	CDC2	NM_001786.2	-2.57	-1.36	8.34	9.7	7.35E-09	0.000000101
ILMN_2041293	SQLE	NM_003129.3	-1.79	-0.84	12.87	13.71	7.38E-09	0.000000101
ILMN_1719543	MAF	NM_005360.3	-2.11	-1.08	9.73	10.8	7.45E-09	0.000000102
ILMN_2138765	ADFP	NM_001122.2	-1.85	-0.89	12.42	13.31	7.61E-09	0.000000104
ILMN_1697348	WBSCR22	NM_017528.2	-1.59	-0.67	12.18	12.86	7.62E-09	0.000000104
ILMN_1710479	RGMB	NM_173670.2	-1.95	-0.96	8.77	9.74	7.62E-09	0.000000104
ILMN_1671557	PHLDA2	NM_003311.3	-2.91	-1.54	8.03	9.57	7.65E-09	0.000000104
ILMN_2101526	C7ORF24	NM_024051.2	-2.04	-1.03	11.44	12.47	7.76E-09	0.000000105
ILMN_1672662	SLC20A1	NM_005415.3	-1.73	-0.79	12.98	13.77	7.87E-09	0.000000107
ILMN_1790537	MGC24665	NM_152308.1	-1.92	-0.94	10.94	11.88	8.1E-09	0.00000011
ILMN_1657862	AHCY	NM_000687.1	-1.68	-0.75	13.47	14.22	8.16E-09	0.00000011
ILMN_1752117	TMEM55A	NM_018710.1	-1.88	-0.91	10.44	11.36	8.35E-09	0.000000113
ILMN_1687724	LOC642323	XM_925863.1	-2.23	-1.16	9.32	10.49	8.49E-09	0.000000114
ILMN_1753183	CDCA4	NM_017955.2	-1.84	-0.88	9.99	10.87	8.6E-09	0.000000116
ILMN_1789775	WDR74	NM_018093.1	-1.66	-0.73	9.86	10.59	8.63E-09	0.000000116
ILMN_1788462	AMD1	NM_001033059.1	-2.43	-1.28	11.44	12.72	8.79E-09	0.000000118
ILMN_1744649	PSMB5	NM_002797.2	-1.54	-0.62	13.62	14.24	8.87E-09	0.000000119
ILMN_1715905	C20ORF172	NM_024918.2	-2.43	-1.28	9.3	10.59	8.92E-09	0.000000119
ILMN_2401822	FTSJ1	NM_012280.2	-1.64	-0.71	11.41	12.12	8.92E-09	0.000000119
ILMN_1662049	AGPAT5	NM_018361.2	-1.77	-0.82	11.94	12.76	9.08E-09	0.000000121
ILMN_1703140	NEDD4	NM_198400.1	-2.10	-1.07	9.88	10.95	9.09E-09	0.000000121
ILMN_1767260	FLJ32745	NM_144978.1	-1.93	-0.95	9.22	10.18	9.31E-09	0.000000124
ILMN_1771224	C18ORF24	NM_145060.1	-2.60	-1.38	9.14	10.52	9.41E-09	0.000000125
ILMN_2393763	ARPC4	NM_001024960.1	-1.78	-0.83	12.99	13.82	9.43E-09	0.000000125
ILMN_1716563	PRKCB1	NM_212535.1	-2.60	-1.38	7.73	9.11	9.49E-09	0.000000126
ILMN_1763745	FLJ14166	NM_024565.4	-2.16	-1.11	8.44	9.54	9.52E-09	0.000000126
ILMN_2377977	MTRR	NM_002454.1	-2.17	-1.12	8.63	9.75	9.7E-09	0.000000129
ILMN_2188264	CYR61	NM_001554.3	-1.88	-0.91	11.13	12.04	9.74E-09	0.000000129

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ILMN_1674662	C15ORF42	NM_152259.2	-2.19	-1.13	8.37	9.5	9.78E-09	0.000000129
ILMN_1812570	SHC1	NM_183001.3	-2.69	-1.43	8.66	10.08	9.84E-09	0.00000013
ILMN_2380243	LOC57228	NM_001031628.1	-2.58	-1.37	8.14	9.51	9.87E-09	0.00000013
ILMN_1711799	C9ORF40	NM_017998.1	-1.66	-0.73	9.98	10.71	9.94E-09	0.000000131
ILMN_1660063	POLE4	NM_019896.2	-2.30	-1.2	12.09	13.28	9.96E-09	0.000000131
ILMN_1740185	TPMT	NM_000367.2	-1.83	-0.87	10.3	11.16	1E-08	0.000000132
ILMN_1801664	POLR3K	NM_016310.2	-1.79	-0.84	10.52	11.36	1.01E-08	0.000000133
ILMN_1764431	COPS6	NM_006833.4	-1.89	-0.92	11.88	12.8	1.03E-08	0.000000135
ILMN_1655307	FLJ14668	NM_032822.1	-1.64	-0.71	11.86	12.57	1.03E-08	0.000000136
ILMN_1669070	MIPEP	NM_005932.1	-1.85	-0.89	10.28	11.17	1.04E-08	0.000000136
ILMN_1810901	RNASEH2A	NM_006397.2	-2.17	-1.12	10.6	11.72	1.04E-08	0.000000136
ILMN_1796074	C18ORF56	NM_001012716.1	-1.87	-0.9	10.4	11.3	1.04E-08	0.000000137
ILMN_2413898	MCM10	NM_018518.3	-3.07	-1.62	10.06	11.69	1.05E-08	0.000000137
ILMN_1700380	ATP6V0A2	NM_012463.2	-1.82	-0.86	10.78	11.64	1.07E-08	0.00000014
ILMN_2365686	ALG8	NM_001007027.2	-1.82	-0.86	10.89	11.75	1.08E-08	0.00000014
ILMN_2104356	COL1A2	NM_000089.3	-2.41	-1.27	10.08	11.35	1.08E-08	0.00000014
ILMN_1740170	C22ORF16	NM_213720.1	-2.01	-1.01	12.18	13.2	1.08E-08	0.000000141
ILMN_1682034	HEY2	NM_012259.1	-2.27	-1.18	9.38	10.56	1.09E-08	0.000000142
ILMN_1668345	OAF	NM_178507.2	-1.85	-0.89	12.28	13.17	1.11E-08	0.000000145
ILMN_1709257	DSCR6	NM_018962.1	-3.56	-1.83	8.07	9.91	1.12E-08	0.000000145
ILMN_1763568	ZDHHC16	NM_198044.1	-1.69	-0.76	13.02	13.78	1.12E-08	0.000000145
ILMN_1704972	TRIM5	NM_033034.1	-1.82	-0.86	11.3	12.16	1.15E-08	0.000000149
ILMN_2404665	TRIM5	NM_033093.1	-1.78	-0.83	10.14	10.97	1.15E-08	0.000000149
ILMN_1775926	SPATA6	NM_019073.1	-1.85	-0.89	9.29	10.18	1.19E-08	0.000000154
ILMN_1701386	ALS2CR2	NM_018571.4	-1.65	-0.72	12.31	13.03	1.21E-08	0.000000155
ILMN_1704238	C14ORF126	NM_080664.1	-1.85	-0.89	9.34	10.23	1.24E-08	0.000000158
ILMN_1725612	NUP50	NM_153645.1	-1.93	-0.95	10.1	11.04	1.24E-08	0.000000159
ILMN_1763523	HARS	NM_002109.3	-1.71	-0.77	12.36	13.13	1.27E-08	0.000000162
ILMN_2091792	ENTPD6	NM_001247.1	-1.99	-0.99	11	11.99	1.27E-08	0.000000162
ILMN_1726574	CACYBP	NM_014412.2	-1.65	-0.72	11.92	12.64	1.28E-08	0.000000164
ILMN_2364529	EZH2	NM_152998.1	-1.59	-0.67	11.22	11.88	1.3E-08	0.000000166
ILMN_1788099	LSM4	NM_012321.2	-1.75	-0.81	13.21	14.02	1.3E-08	0.000000166
ILMN_2312719	EXOSC9	NM_001034194.1	-1.89	-0.92	10.04	10.96	1.32E-08	0.000000168
ILMN_1790062	FAM105B	NM_138348.3	-1.64	-0.71	9.92	10.63	1.32E-08	0.000000168
ILMN_1781560	ST3GAL6	NM_006100.2	-2.50	-1.32	9.02	10.34	1.34E-08	0.000000171
ILMN_1737728	CDCA3	NM_031299.3	-3.20	-1.68	9.34	11.02	1.37E-08	0.000000174
ILMN_1785330	SH3BP4	NM_014521.1	-1.79	-0.84	12.37	13.21	1.37E-08	0.000000174
ILMN_1651557	KDELC2	NM_153705.2	-2.08	-1.06	10.13	11.18	1.38E-08	0.000000175
ILMN_1748476	NOP5/NOP5	NM_015934.3	-1.83	-0.87	10.65	11.52	1.39E-08	0.000000176
ILMN_1720114	GMNN	NM_015895.3	-3.16	-1.66	9.2	10.86	1.4E-08	0.000000177
ILMN_2141259	SPAG5	NM_006461.3	-2.22	-1.15	8.85	10	1.42E-08	0.000000179
ILMN_1777691	ARL9	NM_206919.1	-2.55	-1.35	8.61	9.97	1.42E-08	0.000000179
ILMN_1717868	CCT8	NM_006585.2	-1.57	-0.65	13.91	14.55	1.44E-08	0.000000181

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ILMN_2398995	MRPL24	NM_024540.2	-1.77	-0.82	11.07	11.89	1.44E-08	0.000000182
ILMN_1742260	SSFA2	NM_006751.3	-2.03	-1.02	10.36	11.37	1.44E-08	0.000000182
ILMN_1780292	MSH5	NM_002441.2	-2.16	-1.11	8.02	9.14	1.45E-08	0.000000183
ILMN_2415949	MRRF	NM_138777.2	-2.01	-1.01	10.22	11.22	1.46E-08	0.000000183
ILMN_2261076	NEDD9	NM_006403.2	-2.35	-1.23	8.86	10.09	1.46E-08	0.000000184
ILMN_1664167	BXDC1	NM_032194.1	-1.71	-0.77	12.05	12.82	1.46E-08	0.000000184
ILMN_1722648	SF3B4	NM_005850.3	-1.59	-0.67	13.27	13.94	1.49E-08	0.000000186
ILMN_1673880	EFEMP1	NM_004105.2	-1.97	-0.98	11.65	12.63	1.49E-08	0.000000187
ILMN_2176251	C20ORF72	NM_052865.2	-1.56	-0.64	12.17	12.81	1.5E-08	0.000000188
ILMN_1653612	KCTD9	NM_017634.2	-2.00	-1	8.75	9.75	1.51E-08	0.000000189
ILMN_1810376	LOC399947	NM_207645.1	-2.07	-1.05	8.74	9.8	1.51E-08	0.000000189
ILMN_2364062	THOC4	NM_005782.2	-2.17	-1.12	10.82	11.94	1.52E-08	0.00000019
ILMN_2155272	PIF1	NM_025049.2	-2.22	-1.15	8.21	9.36	1.54E-08	0.000000192
ILMN_2392546	PAICS	NM_006452.2	-1.65	-0.72	14.05	14.76	1.54E-08	0.000000192
ILMN_1765641	SEMA3A	NM_006080.1	-1.78	-0.83	10.91	11.74	1.55E-08	0.000000193
ILMN_1689665	APPBP1	NM_003905.3	-1.59	-0.67	12.62	13.29	1.55E-08	0.000000193
ILMN_1730433	CD2AP	NM_012120.1	-1.82	-0.86	9.34	10.2	1.55E-08	0.000000193
ILMN_1666625	KIF17	NM_020816.1	-2.00	-1	7.4	8.4	1.57E-08	0.000000195
ILMN_2192683	DHX37	NM_032656.2	-1.78	-0.83	11	11.83	1.57E-08	0.000000195
ILMN_1705301	TEAD4	NM_201441.1	-2.35	-1.23	8.93	10.17	1.57E-08	0.000000195
ILMN_1727045	RASGRP3	NM_170672.1	-2.01	-1.01	7.53	8.55	1.58E-08	0.000000196
ILMN_1793615	ME3	NM_006680.2	-2.00	-1	8.89	9.89	1.59E-08	0.000000197
ILMN_2403889	PRMT5	NM_001039619.1	-1.62	-0.7	11.84	12.54	1.61E-08	0.000000199
ILMN_1763907	C6ORF173	NM_001012507.1	-2.60	-1.38	9.35	10.73	1.63E-08	0.000000201
ILMN_2174127	DCBLD2	NM_080927.3	-2.10	-1.07	12.37	13.45	1.66E-08	0.000000205
ILMN_1694106	GPD1L	NM_015141.2	-1.77	-0.82	12.25	13.07	1.67E-08	0.000000205
ILMN_1753790	ZNF259	NM_003904.3	-1.78	-0.83	10.17	11	1.67E-08	0.000000206
ILMN_1656111	MYLIP	NM_013262.3	-1.87	-0.9	8.7	9.6	1.72E-08	0.000000211
ILMN_2235137	FANCD2	NM_001018115.1	-2.50	-1.32	10	11.32	1.75E-08	0.000000215
ILMN_2228710	PDCD5	NM_004708.2	-1.79	-0.84	11.74	12.58	1.76E-08	0.000000216
ILMN_1696266	XRCC3	NM_005432.2	-1.80	-0.85	9.11	9.96	1.78E-08	0.000000218
ILMN_1804822	SRXN1	NM_080725.1	-1.65	-0.72	10.99	11.71	1.79E-08	0.000000218
ILMN_1687519	SNAP23	NM_003825.2	-1.78	-0.83	10.25	11.08	1.8E-08	0.000000219
ILMN_2395214	FMNL3	NM_198900.2	-2.95	-1.56	8.48	10.03	1.82E-08	0.000000222
ILMN_1797933	MRPL17	NM_022061.2	-1.80	-0.85	12.11	12.97	1.82E-08	0.000000222
ILMN_1815445	IDS	NM_006123.1	-1.65	-0.72	12.13	12.85	1.84E-08	0.000000223
ILMN_1721968	NOVA1	NM_006491.2	-1.60	-0.68	10.31	10.99	1.85E-08	0.000000224
ILMN_1676846	ABCE1	NM_002940.1	-2.28	-1.19	10.73	11.92	1.85E-08	0.000000225
ILMN_2216852	PGK1	NM_000291.2	-1.75	-0.81	11.49	12.3	1.87E-08	0.000000226
ILMN_1785852	OBFC2A	NM_022837.1	-1.78	-0.83	9.69	10.52	1.92E-08	0.000000232
ILMN_1772286	OCIAD2	NM_152398.2	-2.71	-1.44	8.16	9.6	1.93E-08	0.000000234
ILMN_1808219	FLJ20718	NM_182922.1	-1.89	-0.92	9.81	10.73	1.94E-08	0.000000235
ILMN_1736242	PLEKHG4	NM_015432.2	-2.28	-1.19	7.37	8.56	1.98E-08	0.000000239

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ILMN_1806483	ZWILCH	NM_017975.2	-2.50	-1.32	8.18	9.49	2.02E-08	0.000000243
ILMN_2311548	PTRH2	NM_016077.3	-1.82	-0.86	11.56	12.42	2.05E-08	0.000000246
ILMN_1791792	C12ORF5	NM_020375.1	-1.59	-0.67	11.29	11.96	2.07E-08	0.000000248
ILMN_1747911	CDC2	NM_033379.2	-2.85	-1.51	10.76	12.26	2.09E-08	0.000000251
ILMN_1678968	GEM	NM_005261.2	-3.86	-1.95	8.21	10.16	2.11E-08	0.000000253
ILMN_1788283	COTL1	NM_021149.2	-2.41	-1.27	8.83	10.1	2.12E-08	0.000000254
ILMN_1790757	ADSL	NM_000026.1	-1.60	-0.68	13.29	13.98	2.14E-08	0.000000256
ILMN_1748323	CXCL14	NM_004887.3	-2.14	-1.1	11	12.1	2.15E-08	0.000000258
ILMN_1804476	GMPPA	NM_013335.2	-1.73	-0.79	11.29	12.07	2.16E-08	0.000000258
ILMN_2107613	RHOJ	NM_020663.2	-3.23	-1.69	8.74	10.43	2.16E-08	0.000000258
ILMN_2184184	ANXA1	NM_000700.1	-1.54	-0.62	14.46	15.09	2.17E-08	0.000000259
ILMN_1736700	ALDOA	NM_184041.1	-1.88	-0.91	14.49	15.4	2.19E-08	0.000000261
ILMN_1659462	DUSP23	NM_017823.3	-2.22	-1.15	11.43	12.59	2.2E-08	0.000000262
ILMN_2110252	NPM3	NM_006993.1	-1.93	-0.95	11.44	12.38	2.22E-08	0.000000264
ILMN_2409167	ANXA2	NM_001002858.1	-1.62	-0.7	14.94	15.64	2.29E-08	0.000000272
ILMN_1720344	NIPA2	NM_030922.5	-1.54	-0.62	13.19	13.81	2.3E-08	0.000000272
ILMN_1782045	FKBP4	NM_002014.2	-1.60	-0.68	10.86	11.54	2.32E-08	0.000000275
ILMN_2365307	CD276	NM_001024736.1	-1.93	-0.95	12.62	13.57	2.33E-08	0.000000276
ILMN_1805916	NIPSNAP1	NM_003634.1	-1.56	-0.64	12.77	13.41	2.33E-08	0.000000276
ILMN_1804357	GNG4	NM_004485.2	-2.23	-1.16	9.76	10.93	2.35E-08	0.000000278
ILMN_1729596	C14ORF151	NM_032714.1	-2.30	-1.2	8.89	10.1	2.35E-08	0.000000278
ILMN_2387636	ITGB4BP	NM_181469.1	-1.61	-0.69	13.43	14.12	2.38E-08	0.000000281
ILMN_1773493	TIMM23	NM_006327.2	-1.60	-0.68	12.15	12.83	2.39E-08	0.000000282
ILMN_2145670	TNC	NM_002160.1	-2.27	-1.18	11.07	12.25	2.4E-08	0.000000284
ILMN_2072178	ECHDC3	NM_024693.2	-1.89	-0.92	8.5	9.42	2.41E-08	0.000000284
ILMN_1711102	B3GNT1	NM_006577.3	-2.22	-1.15	9.37	10.51	2.43E-08	0.000000286
ILMN_2412860	MCM4	NM_182746.1	-2.25	-1.17	10.4	11.57	2.46E-08	0.000000289
ILMN_1659620	MYCBP	NM_012333.3	-1.93	-0.95	7.93	8.88	2.46E-08	0.000000289
ILMN_1687140	STARD7	NM_020151.2	-2.22	-1.15	9.12	10.26	2.46E-08	0.000000289
ILMN_1775328	MTG1	NM_138384.1	-1.95	-0.96	9.5	10.46	2.5E-08	0.000000293
ILMN_1702817	B3GNTL1	NM_001009905.1	-1.95	-0.96	8.29	9.25	2.54E-08	0.000000298
ILMN_1694240	MAP2K1	NM_002755.2	-1.53	-0.61	12.05	12.66	2.56E-08	0.0000003
ILMN_1729212	GRM8	NM_000845.1	-2.19	-1.13	8.49	9.61	2.56E-08	0.0000003
ILMN_1796210	PPRC1	NM_015062.3	-1.77	-0.82	10.5	11.32	2.57E-08	0.000000301
ILMN_1701877	AXL	NM_001699.3	-1.68	-0.75	10.9	11.65	2.58E-08	0.000000302
ILMN_1695604	DCBLD1	NM_173674.1	-1.84	-0.88	9.48	10.36	2.59E-08	0.000000303
ILMN_1737580	D15WSU75E	NM_015704.1	-1.78	-0.83	11.17	12	2.61E-08	0.000000305
ILMN_2049021	PTTG3	NR_002734.1	-2.53	-1.34	11.16	12.5	2.62E-08	0.000000306
ILMN_1782633	BOLA2	NM_001031827.1	-1.87	-0.9	12.99	13.89	2.62E-08	0.000000306
ILMN_1755822	SYDE1	NM_033025.4	-1.79	-0.84	10.61	11.46	2.63E-08	0.000000306
ILMN_1657395	HMGCR	NM_000859.1	-1.85	-0.89	12.79	13.67	2.63E-08	0.000000307
ILMN_1726391	MRPL39	NM_017446.2	-1.58	-0.66	12.05	12.71	2.67E-08	0.000000311
ILMN_1691237	CAP2	NM_006366.2	-1.52	-0.6	12.71	13.32	2.7E-08	0.000000314

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ILMN_1708101	LMNB2	NM_032737.2	-1.71	-0.77	13.09	13.86	2.7E-08	0.000000315
ILMN_1712432	PSMD2	NM_002808.3	-1.60	-0.68	13.24	13.92	2.72E-08	0.000000317
ILMN_1680591	RTKN	NM_001015055.1	-1.93	-0.95	12.11	13.06	2.72E-08	0.000000317
ILMN_1801348	GOT2	NM_002080.2	-1.56	-0.64	13.15	13.79	2.74E-08	0.000000318
ILMN_1716553	KIF23	NM_138555.1	-2.91	-1.54	7.74	9.28	2.75E-08	0.000000319
ILMN_2281069	GPATCH4	NM_182679.1	-2.10	-1.07	7.86	8.93	2.78E-08	0.000000322
ILMN_1659913	ISG20	NM_002201.4	-2.20	-1.14	8.41	9.55	2.79E-08	0.000000323
ILMN_2401436	PKMYT1	NM_182687.1	-2.19	-1.13	8.16	9.3	2.8E-08	0.000000325
ILMN_2367469	CARS	NM_001014438.1	-1.85	-0.89	11.76	12.65	2.81E-08	0.000000326
ILMN_1766408	CBFB	NM_001755.2	-1.82	-0.86	11.47	12.32	2.83E-08	0.000000327
ILMN_1705682	LEPREL2	NM_014262.2	-1.93	-0.95	9.26	10.21	2.89E-08	0.000000334
ILMN_1736130	C18ORF22	NM_024805.1	-1.82	-0.86	9.78	10.64	2.9E-08	0.000000335
ILMN_2189458	SHQ1	NM_018130.2	-1.85	-0.89	9.43	10.32	2.9E-08	0.000000335
ILMN_1733956	IARS	NM_002161.2	-1.97	-0.98	11.92	12.9	2.92E-08	0.000000337
ILMN_1795325	ACTG2	NM_001615.3	-2.38	-1.25	11.01	12.26	2.94E-08	0.000000339
ILMN_1739297	GALNT4	NM_003774.3	-1.66	-0.73	10.09	10.82	2.95E-08	0.00000034
ILMN_1672443	QDPR	NM_000320.1	-1.54	-0.62	14.19	14.81	2.97E-08	0.000000342
ILMN_1730809	SLC29A2	NM_001532.2	-2.48	-1.31	9.08	10.38	2.99E-08	0.000000344
ILMN_1662839	PLEKHA1	NM_001001974.1	-2.36	-1.24	10.33	11.57	3E-08	0.000000345
ILMN_2324994	IKIP	NM_201612.1	-2.11	-1.08	8.46	9.53	3.02E-08	0.000000347
ILMN_1791501	CHRFAM7A	NM_139320.1	-2.03	-1.02	8.47	9.49	3.02E-08	0.000000347
ILMN_1698996	SLC19A1	NM_003056.2	-1.83	-0.87	9.18	10.05	3.03E-08	0.000000348
ILMN_1742230	BAZ1A	NM_182648.1	-2.03	-1.02	10.4	11.42	3.05E-08	0.00000035
ILMN_1733043	DLG2	NM_001364.1	-1.96	-0.97	8.24	9.21	3.06E-08	0.000000351
ILMN_1753607	LOC56902	NM_020143.2	-2.19	-1.13	9.58	10.72	3.06E-08	0.000000351
ILMN_1768816	TMPO	NM_003276.1	-2.07	-1.05	10.54	11.58	3.17E-08	0.000000363
ILMN_2345908	DDX11	NM_030653.3	-2.58	-1.37	8.37	9.74	3.18E-08	0.000000363
ILMN_1797074	EMG1	NM_006331.4	-1.92	-0.94	11.53	12.47	3.19E-08	0.000000364
ILMN_1680344	MYOM1	NM_003803.2	-2.68	-1.42	8.64	10.06	3.21E-08	0.000000367
ILMN_2390162	PHF11	NM_001040443.1	-1.60	-0.68	11.06	11.74	3.43E-08	0.000000391
ILMN_1815723	NUP35	NM_138285.3	-1.77	-0.82	10.6	11.42	3.49E-08	0.000000397
ILMN_2377496	ERCC1	NM_001983.2	-1.62	-0.7	12.19	12.9	3.5E-08	0.000000397
ILMN_1784367	HSPD1	NM_002156.4	-1.84	-0.88	10.25	11.13	3.51E-08	0.000000398
ILMN_1739840	LRRC8A	NM_019594.2	-1.69	-0.76	12.27	13.03	3.53E-08	0.000000399
ILMN_1791905	LOC388389	NM_213607.1	-2.03	-1.02	8.26	9.27	3.53E-08	0.0000004
ILMN_2157099	CCNA1	NM_003914.2	-1.92	-0.94	8.31	9.25	3.54E-08	0.0000004
ILMN_1696407	SFRS2	NM_003016.2	-1.56	-0.64	14.21	14.86	3.55E-08	0.000000401
ILMN_1748034	KLHDC4	NM_017566.2	-1.83	-0.87	10.24	11.11	3.57E-08	0.000000403
ILMN_1781514	PCDH17	NM_014459.2	-1.97	-0.98	10.02	11.01	3.62E-08	0.000000408
ILMN_2048700	ATAD2	NM_014109.2	-2.10	-1.07	10.39	11.46	3.67E-08	0.000000413
ILMN_2161746	TRIP10	NM_004240.2	-1.71	-0.77	9.15	9.92	3.72E-08	0.000000418
ILMN_1787199	C12ORF28	NM_182530.1	-1.92	-0.94	7.79	8.73	3.72E-08	0.000000418
ILMN_1751803	LSM10	NM_032881.1	-1.74	-0.8	11.2	12	3.73E-08	0.000000419

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ILMN_2202423	HELLS	NM_018063.3	-3.84	-1.94	8.36	10.3	3.76E-08	0.000000422
ILMN_1671402	ARPP-21	NM_001025068.1	-1.99	-0.99	8.31	9.29	3.79E-08	0.000000424
ILMN_1761486	FLJ22624	NM_024808.2	-2.87	-1.52	8.74	10.26	3.79E-08	0.000000425
ILMN_1809364	NTF3	NM_002527.3	-2.31	-1.21	8.57	9.78	3.8E-08	0.000000425
ILMN_1801869	WDR75	NM_032168.1	-1.55	-0.63	11.57	12.2	3.81E-08	0.000000427
ILMN_1801175	MAP2K3	XM_944206.1	-2.20	-1.14	7.83	8.98	3.82E-08	0.000000427
ILMN_1659285	DSCR2	NM_203433.1	-1.79	-0.84	11.3	12.14	3.84E-08	0.000000429
ILMN_1679880	WDR58	NM_024339.2	-1.68	-0.75	9.83	10.58	3.93E-08	0.000000439
ILMN_1750062	PPARGC1A	NM_013261.2	-2.03	-1.02	8.4	9.42	3.94E-08	0.000000439
ILMN_1779399	SNRPA	NM_004596.3	-1.60	-0.68	11.52	12.2	4E-08	0.000000446
ILMN_1740265	ACOT7	NM_181866.2	-1.58	-0.66	13.39	14.05	4.07E-08	0.000000453
ILMN_1753413	HRIHFB212	NM_138632.1	-2.41	-1.27	9.29	10.55	4.08E-08	0.000000454
ILMN_1776073	CCT4	NM_006430.2	-1.72	-0.78	10.32	11.1	4.09E-08	0.000000455
ILMN_1798373	KIAA1754L	NM_001008949.1	-1.95	-0.96	7.44	8.4	4.14E-08	0.000000459
ILMN_1709085	GSG2	NM_031965.2	-2.53	-1.34	8.01	9.35	4.25E-08	0.000000471
ILMN_1758293	C14ORF130	NM_175748.1	-1.93	-0.95	9.64	10.58	4.25E-08	0.000000471
ILMN_1782788	CSDA	NM_003651.3	-1.58	-0.66	13.67	14.34	4.27E-08	0.000000473
ILMN_1788363	MLH1	NM_000249.2	-1.57	-0.65	11.36	12	4.3E-08	0.000000475
ILMN_1722820	KDELR3	NM_006855.2	-2.64	-1.4	8.38	9.79	4.44E-08	0.000000489
ILMN_2351916	EXO1	NM_006027.3	-2.57	-1.36	8.39	9.76	4.44E-08	0.00000049
ILMN_2392803	COL11A1	NM_080629.2	-3.48	-1.8	9.09	10.89	4.45E-08	0.000000491
ILMN_1775742	RNF128	NM_024539.3	-1.91	-0.93	9.12	10.05	4.49E-08	0.000000494
ILMN_1686623	CSF1R	NM_005211.2	-1.92	-0.94	6.99	7.92	4.52E-08	0.000000497
ILMN_1751378	RARS	NM_002887.3	-1.49	-0.58	12.6	13.18	4.57E-08	0.000000501
ILMN_1711030	OPLAH	NM_017570.1	-1.87	-0.9	8.23	9.13	4.62E-08	0.000000506
ILMN_2346573	PSME3	NM_005789.2	-1.57	-0.65	12.18	12.82	4.62E-08	0.000000506
ILMN_1698732	PALLD	NM_016081.2	-1.51	-0.59	12.99	13.59	4.67E-08	0.000000511
ILMN_1690252	ALKBH2	NM_001001655.1	-1.73	-0.79	10.96	11.75	4.67E-08	0.000000511
ILMN_2049274	ARHGDI3	NM_001176.2	-1.66	-0.73	9.48	10.21	4.71E-08	0.000000514
ILMN_1764271	NXPH1	NM_152745.1	-1.74	-0.8	10.37	11.17	4.72E-08	0.000000515
ILMN_2328433	NOL1	NM_006170.2	-1.79	-0.84	9.55	10.39	4.83E-08	0.000000526
ILMN_1707336	ARPC4	NM_001024959.1	-1.61	-0.69	12.7	13.39	4.85E-08	0.000000528
ILMN_2302118	CCDC50	NM_174908.2	-1.58	-0.66	12.09	12.75	4.85E-08	0.000000528
ILMN_1780036	WDR1	NM_017491.3	-1.60	-0.68	14.29	14.97	4.86E-08	0.000000529
ILMN_1708619	SEH1L	NM_031216.3	-1.55	-0.63	10.43	11.06	4.88E-08	0.000000531
ILMN_2315979	LBH	NM_030915.1	-1.64	-0.71	11.27	11.98	4.94E-08	0.000000536
ILMN_1746031	RIMS4	NM_182970.2	-1.85	-0.89	9.09	9.98	5.02E-08	0.000000545
ILMN_1805132	PCDH19	NM_020766.1	-1.95	-0.96	11.15	12.11	5.04E-08	0.000000546
ILMN_2411139	FIBP	NM_198897.1	-1.84	-0.88	10.69	11.57	5.18E-08	0.000000561
ILMN_1751444	HCAP-G	NM_022346.3	-3.86	-1.95	10.22	12.17	5.19E-08	0.000000562
ILMN_1815924	NUP107	NM_020401.2	-1.62	-0.7	11.45	12.15	5.22E-08	0.000000565
ILMN_2407482	ITPA	NM_033453.2	-1.91	-0.93	11.42	12.35	5.25E-08	0.000000567
ILMN_1789510	STIP1	NM_006819.1	-1.57	-0.65	12.75	13.41	5.31E-08	0.000000574

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ILMN_1758827	RTN4IP1	NM_032730.3	-1.65	-0.72	10.13	10.85	5.31E-08	0.000000574
ILMN_1694587	EEF1B2	NM_001959.2	-1.69	-0.76	14.29	15.05	5.47E-08	0.000000589
ILMN_1775327	PKM2	NM_182470.1	-1.92	-0.94	11.91	12.85	5.52E-08	0.000000593
ILMN_1651262	HNRPA	NM_031266.2	-1.53	-0.61	14.77	15.38	5.54E-08	0.000000596
ILMN_1737163	SH3BGRL3	NM_031286.2	-1.68	-0.75	12.76	13.52	5.57E-08	0.000000598
ILMN_1810834	MSH5	XM_936150.1	-1.84	-0.88	8.22	9.1	5.76E-08	0.000000618
ILMN_1654586	RASA3	NM_007368.2	-1.82	-0.86	9.31	10.17	5.78E-08	0.000000619
ILMN_2401352	UHRF1	NM_013282.3	-2.64	-1.4	8.46	9.85	5.86E-08	0.000000626
ILMN_1755411	RBMS2	NM_002898.2	-1.95	-0.96	9.04	10	5.95E-08	0.000000635
ILMN_1661197	CLCF1	NM_013246.2	-2.08	-1.06	8.76	9.82	5.96E-08	0.000000635
ILMN_1740903	MGC5242	NM_024033.1	-1.77	-0.82	10.1	10.92	6.05E-08	0.000000645
ILMN_2144401	LOC89944	NM_138342.2	-2.14	-1.1	8.25	9.36	6.08E-08	0.000000648
ILMN_1801934	SERTAD3	NM_203344.1	-1.53	-0.61	10.67	11.28	6.11E-08	0.00000065
ILMN_1786697	TRIM9	NM_052978.3	-1.66	-0.73	10.56	11.29	6.15E-08	0.000000654
ILMN_1778255	FARSLA	NM_004461.1	-1.72	-0.78	10.46	11.24	6.16E-08	0.000000655
ILMN_1691508	PLAUR	NM_001005376.1	-2.68	-1.42	8.36	9.78	6.19E-08	0.000000657
ILMN_1708891	SCFD2	NM_152540.3	-2.43	-1.28	8.89	10.17	6.26E-08	0.000000664
ILMN_1727740	SYNCRIP	NM_006372.3	-1.64	-0.71	12.8	13.51	6.3E-08	0.000000668
ILMN_2196569	NUP93	NM_014669.2	-1.54	-0.62	12.6	13.22	6.35E-08	0.000000672
ILMN_1803850	TSPAN15	NM_012339.3	-2.00	-1	8.54	9.54	6.38E-08	0.000000675
ILMN_1713990	TRIP6	NM_003302.1	-1.58	-0.66	13.07	13.73	6.5E-08	0.000000687
ILMN_2267787	HPS1	NM_182639.1	-2.14	-1.1	8.91	10.01	6.58E-08	0.000000695
ILMN_2091347	IDH1	NM_005896.2	-1.64	-0.71	13.5	14.21	6.71E-08	0.000000708
ILMN_1813671	SLC25A1	NM_005984.1	-1.67	-0.74	12.11	12.84	6.74E-08	0.000000711
ILMN_2148012	EPR1	NR_002219.1	-1.82	-0.86	8.26	9.12	6.81E-08	0.000000717
ILMN_2296369	MATR3	NM_199189.1	-2.06	-1.04	7.68	8.72	6.81E-08	0.000000717
ILMN_1741003	ANXA5	NM_001154.2	-1.55	-0.63	14.56	15.19	6.84E-08	0.00000072
ILMN_1761147	GABPB2	NM_181427.2	-1.54	-0.62	10.38	11	6.89E-08	0.000000725
ILMN_2391231	SORD	NM_003104.3	-2.08	-1.06	9.5	10.57	6.95E-08	0.00000073
ILMN_1656826	SH3MD2	NM_020870.2	-2.07	-1.05	9.97	11.03	6.98E-08	0.000000732
ILMN_2368535	FBXO17	NM_024907.5	-2.25	-1.17	7.52	8.69	7E-08	0.000000734
ILMN_1778360	PYGB	NM_002862.3	-2.17	-1.12	12.44	13.56	7.12E-08	0.000000746
ILMN_1651936	SETD8	NM_020382.3	-1.57	-0.65	10.6	11.25	7.13E-08	0.000000747
ILMN_2052208	GADD45A	NM_001924.2	-1.58	-0.66	12.24	12.91	7.19E-08	0.000000752
ILMN_1779875	THY1	NM_006288.2	-1.69	-0.76	10.38	11.15	7.22E-08	0.000000755
ILMN_1655154	PTBP1	NM_175847.1	-1.64	-0.71	13.57	14.28	7.24E-08	0.000000757
ILMN_1699317	CNTN6	NM_014461.2	-2.10	-1.07	8.53	9.6	7.26E-08	0.000000758
ILMN_1772369	PDHA1	NM_000284.1	-1.54	-0.62	11.36	11.98	7.26E-08	0.000000758
ILMN_1746257	DAZAP1	NM_018959.2	-1.61	-0.69	11.05	11.74	7.26E-08	0.000000758
ILMN_1715179	SNRPA1	NM_003090.2	-1.54	-0.62	12.91	13.53	7.29E-08	0.00000076
ILMN_1676215	FLJ37266	NM_175892.3	-1.79	-0.84	10.49	11.33	7.33E-08	0.000000763
ILMN_1777342	PREX1	NM_020820.2	-1.77	-0.82	10.42	11.23	7.35E-08	0.000000765
ILMN_1668270	ZDHHC18	NM_032283.1	-1.60	-0.68	9.56	10.24	7.43E-08	0.000000773

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ILMN_2285802	SEC14L1	NM_003003.2	-1.67	-0.74	9.97	10.71	7.44E-08	0.000000773
ILMN_1813741	KCNJ16	NM_018658.1	-1.69	-0.76	7.74	8.51	7.64E-08	0.000000791
ILMN_1812940	TRMT1	NM_017722.2	-1.64	-0.71	10.79	11.5	7.65E-08	0.000000792
ILMN_1772713	BMS1L	NM_014753.2	-1.66	-0.73	11.59	12.32	7.76E-08	0.000000802
ILMN_1655068	TOM1L2	NM_144678.3	-1.85	-0.89	8.94	9.83	7.77E-08	0.000000802
ILMN_2041327	MRPL37	NM_016491.2	-1.58	-0.66	13.45	14.11	7.83E-08	0.000000809
ILMN_2357062	IL1RAP	NM_134470.2	-2.08	-1.06	7.77	8.83	7.87E-08	0.000000812
ILMN_2368575	GIYD1	NM_001014999.1	-2.31	-1.21	10.11	11.32	7.99E-08	0.000000823
ILMN_1664511	KNTC2	NM_006101.1	-2.46	-1.3	8.86	10.16	8.01E-08	0.000000824
ILMN_1660021	M6PRBP1	NM_005817.3	-1.59	-0.67	13.68	14.35	8.05E-08	0.000000828
ILMN_1781966	OSBP2	NM_030758.3	-1.74	-0.8	10.54	11.34	8.37E-08	0.000000857
ILMN_1785914	CDC6	NM_001254.3	-2.33	-1.22	7.64	8.85	8.53E-08	0.000000872
ILMN_1792820	NOC2L	NM_015658.1	-1.87	-0.9	9.08	9.98	8.56E-08	0.000000875
ILMN_1690040	TM7SF2	NM_003273.1	-1.58	-0.66	12.91	13.58	8.59E-08	0.000000878
ILMN_1800889	KIAA0274	NM_014845.4	-1.79	-0.84	9.85	10.69	8.63E-08	0.000000881
ILMN_1689800	C1ORF33	NM_016183.2	-1.99	-0.99	11.07	12.06	8.7E-08	0.000000887
ILMN_1701700	KLHL4	NM_019117.3	-2.04	-1.03	9.51	10.54	8.7E-08	0.000000887
ILMN_1732516	KNTC1	NM_014708.3	-2.17	-1.12	10.31	11.43	8.73E-08	0.000000889
ILMN_1765532	RDBP	NM_002904.5	-2.20	-1.14	9.89	11.03	8.78E-08	0.000000895
ILMN_2202915	MLSTD1	NM_018099.3	-2.85	-1.51	7.81	9.31	8.8E-08	0.000000896
ILMN_1655077	PRDM1	NM_001198.2	-1.96	-0.97	8.51	9.48	8.81E-08	0.000000897
ILMN_2334989	CCT3	NM_005998.3	-1.54	-0.62	13.85	14.48	8.83E-08	0.000000897
ILMN_1703949	KPNB1	NM_002265.4	-1.87	-0.9	13.36	14.26	8.86E-08	0.0000009
ILMN_1790530	HECTD2	NM_173497.1	-1.56	-0.64	9.18	9.82	8.99E-08	0.000000912
ILMN_1702806	PDCL3	NM_024065.3	-1.61	-0.69	12.24	12.94	9E-08	0.000000913
ILMN_1690690	SEC23IP	NM_007190.2	-1.65	-0.72	10.55	11.27	9.08E-08	0.000000919
ILMN_1766154	MRPL30	NM_145213.1	-1.68	-0.75	10.31	11.05	9.13E-08	0.000000923
ILMN_1765880	C16ORF57	NM_024598.2	-1.68	-0.75	10.57	11.32	9.14E-08	0.000000924
ILMN_1807016	LHX2	NM_004789.3	-1.57	-0.65	13.71	14.36	9.39E-08	0.000000947
ILMN_1708160	KPNA2	NM_002266.2	-2.06	-1.04	7.86	8.9	9.39E-08	0.000000947
ILMN_2366634	PKM2	NM_182471.1	-1.75	-0.81	12.75	13.57	9.58E-08	0.000000965
ILMN_1788135	APITD1	NM_199295.1	-2.11	-1.08	9.01	10.1	9.67E-08	0.000000973
ILMN_2119793	ANKRD34	NM_001039888.2	-2.27	-1.18	8.4	9.57	9.87E-08	0.000000992
ILMN_1800530	CENTG2	NM_014914.2	-1.68	-0.75	11.17	11.93	9.93E-08	0.000000996
ILMN_1796925	CXADR	NM_001338.3	-1.53	-0.61	12.87	13.48	0.0000001	0.000001
ILMN_1727790	KHDRBS3	NM_006558.1	-2.25	-1.17	9.96	11.14	1.01E-07	0.00000101
ILMN_2370910	RAD51L3	NM_002878.2	-1.78	-0.83	9.6	10.43	1.02E-07	0.00000102
ILMN_2188374	XPOT	NM_007235.3	-2.01	-1.01	9.97	10.98	1.02E-07	0.00000102
ILMN_1694111	PNKP	NM_007254.2	-1.84	-0.88	11.67	12.55	1.04E-07	0.00000104
ILMN_1652540	C5ORF16	NM_173828.3	-1.88	-0.91	8.55	9.46	1.05E-07	0.00000104
ILMN_2246563	COL8A1	NM_001850.3	-2.66	-1.41	8.04	9.45	1.05E-07	0.00000105
ILMN_1728714	SSSCA1	NM_006396.1	-1.87	-0.9	9.04	9.94	1.05E-07	0.00000105
ILMN_2135798	TRA16	NM_176880.4	-1.97	-0.98	10.4	11.38	1.06E-07	0.00000105

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ILMN_1814701	COL9A1	NM_001851.3	-2.31	-1.21	7.78	9	1.07E-07	0.00000107
ILMN_1814282	ISG20L1	NM_022767.2	-1.54	-0.62	11.72	12.34	1.08E-07	0.00000107
ILMN_1686097	TOP2A	NM_001067.2	-1.74	-0.8	12.69	13.49	1.08E-07	0.00000107
ILMN_2151817	PFN1	NM_005022.2	-1.51	-0.59	14.8	15.39	1.08E-07	0.00000107
ILMN_1786469	FBXO22	NM_012170.2	-1.54	-0.62	10.73	11.35	1.08E-07	0.00000107
ILMN_2150112	NRN1	NM_016588.2	-2.16	-1.11	8.95	10.05	1.09E-07	0.00000108
ILMN_1660858	RIN1	NM_004292.2	-2.41	-1.27	9.16	10.43	1.09E-07	0.00000108
ILMN_1749930	TMEM48	NM_018087.3	-2.08	-1.06	9.34	10.41	1.1E-07	0.00000109
ILMN_2112301	DRAP1	NM_006442.2	-1.53	-0.61	13.2	13.81	1.1E-07	0.00000109
ILMN_1707051	NFATC1	NM_172390.1	-1.69	-0.76	8.84	9.6	1.11E-07	0.0000011
ILMN_1697268	EMILIN2	NM_032048.2	-1.95	-0.96	7.54	8.5	1.12E-07	0.0000011
ILMN_1690170	CRABP2	NM_001878.2	-2.50	-1.32	8.24	9.56	1.12E-07	0.00000111
ILMN_2189424	MRPL20	NM_017971.2	-1.82	-0.86	11.67	12.53	1.12E-07	0.00000111
ILMN_1696434	LAMA1	NM_005559.2	-2.58	-1.37	8.13	9.5	1.13E-07	0.00000111
ILMN_1666208	C14ORF106	NM_018353.3	-1.69	-0.76	10.52	11.27	1.13E-07	0.00000111
ILMN_2339705	MED8	NM_001001651.1	-1.72	-0.78	9.99	10.77	1.13E-07	0.00000111
ILMN_1764723	SH3PXD2B	NM_001017995.1	-1.96	-0.97	9.97	10.94	1.13E-07	0.00000111
ILMN_2411116	FGFR1OP	NM_007045.2	-1.56	-0.64	9.24	9.88	1.15E-07	0.00000113
ILMN_1674302	PPAT	NM_002703.3	-1.73	-0.79	11.18	11.97	1.15E-07	0.00000113
ILMN_1813374	C19ORF28	NM_174983.2	-2.10	-1.07	9.16	10.22	1.16E-07	0.00000114
ILMN_1680856	CXORF6	NM_005491.1	-1.95	-0.96	10.58	11.55	1.17E-07	0.00000114
ILMN_1694126	C9ORF48	NM_194313.1	-1.82	-0.86	8.55	9.41	1.17E-07	0.00000115
ILMN_1653553	C14ORF80	NM_173608.1	-2.25	-1.17	9.4	10.57	1.17E-07	0.00000115
ILMN_1703314	C16ORF44	NM_024731.2	-1.61	-0.69	10.18	10.87	1.18E-07	0.00000115
ILMN_1694140	FLJ36748	NM_152406.1	-2.19	-1.13	7.82	8.94	1.18E-07	0.00000116
ILMN_1813028	CBX5	NM_012117.1	-1.65	-0.72	11.67	12.39	1.18E-07	0.00000116
ILMN_1757134	FKSG24	NM_032683.1	-1.91	-0.93	9.23	10.16	1.19E-07	0.00000116
ILMN_2056002	LOC723972	NR_003144.1	-1.59	-0.67	11.27	11.94	1.19E-07	0.00000117
ILMN_1701967	SHC1	NM_183001.3	-2.43	-1.28	7.91	9.2	1.21E-07	0.00000118
ILMN_2112402	PHF5A	NM_032758.3	-1.57	-0.65	12.44	13.09	1.23E-07	0.0000012
ILMN_2307032	OSBPL5	NM_145638.1	-1.71	-0.77	10.73	11.5	1.24E-07	0.00000121
ILMN_2234229	PRMT6	NM_018137.1	-1.77	-0.82	11.25	12.07	1.26E-07	0.00000123
ILMN_1757298	BTBD7	NM_018167.3	-1.82	-0.86	8.72	9.58	1.28E-07	0.00000124
ILMN_1743582	NUDT22	NM_032344.1	-1.73	-0.79	10.23	11.03	1.28E-07	0.00000124
ILMN_1794085	SAPS1	NM_014931.2	-1.60	-0.68	9.68	10.35	1.29E-07	0.00000125
ILMN_1755114	EIF2AK4	NM_001013703.2	-1.73	-0.79	10.09	10.89	1.3E-07	0.00000126
ILMN_1693862	MGC70857	NM_001001795.1	-1.57	-0.65	10.31	10.96	1.31E-07	0.00000127
ILMN_1663037	LRRC4C	NM_020929.1	-1.74	-0.8	9.89	10.69	1.31E-07	0.00000127
ILMN_1803997	SDCCAG3	NM_006643.2	-1.59	-0.67	11.8	12.47	1.31E-07	0.00000127
ILMN_2374728	ARPP-21	NM_001025068.1	-1.99	-0.99	8.09	9.08	1.32E-07	0.00000128
ILMN_1704550	AZIN1	NM_015878.4	-1.67	-0.74	9.4	10.14	1.35E-07	0.0000013
ILMN_2179652	PRELID1	NM_013237.2	-1.68	-0.75	12.49	13.25	1.35E-07	0.00000131
ILMN_1702211	TGIF	NM_003244.2	-2.25	-1.17	8.47	9.65	1.36E-07	0.00000131

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ILMN_1812926	ANTXR2	NM_058172.3	-1.67	-0.74	11.14	11.88	1.37E-07	0.00000133
ILMN_2289825	ARPP-21	NM_016300.4	-2.73	-1.45	7.8	9.26	1.41E-07	0.00000136
ILMN_1811955	PRMT5	NM_006109.2	-1.55	-0.63	12.02	12.65	1.41E-07	0.00000136
ILMN_1815238	MAP2K3	NM_145110.1	-2.06	-1.04	8.06	9.1	1.42E-07	0.00000137
ILMN_1659766	BAG3	NM_004281.3	-1.55	-0.63	12.06	12.69	1.42E-07	0.00000137
ILMN_1726222	FLOT2	NM_004475.1	-1.53	-0.61	13.97	14.58	1.44E-07	0.00000139
ILMN_2234343	ACP6	NM_016361.2	-2.23	-1.16	9.79	10.95	1.46E-07	0.0000014
ILMN_1813207	MRPS9	NM_182640.1	-1.53	-0.61	11.78	12.4	1.46E-07	0.0000014
ILMN_1672547	MYO9B	NM_004145.2	-1.78	-0.83	10.55	11.38	1.46E-07	0.0000014
ILMN_1658818	CAMK2D	NM_001221.2	-2.87	-1.52	8.14	9.66	1.48E-07	0.00000142
ILMN_1673681	HCP1	NM_080669.2	-1.93	-0.95	8.49	9.43	1.48E-07	0.00000142
ILMN_2258268	GLRX2	NM_197962.1	-2.04	-1.03	9.49	10.52	1.5E-07	0.00000143
ILMN_1697777	TSTA3	NM_003313.2	-1.61	-0.69	10.24	10.93	1.52E-07	0.00000146
ILMN_2150402	TMEM64	NM_001008495.2	-2.87	-1.52	8.69	10.21	1.53E-07	0.00000147
ILMN_1786016	CHD1L	NM_004284.2	-1.57	-0.65	9.93	10.58	1.55E-07	0.00000148
ILMN_2115434	RAB32	NM_006834.2	-1.78	-0.83	11.35	12.19	1.58E-07	0.00000151
ILMN_1724789	CD59	NM_203329.1	-1.79	-0.84	10.63	11.47	1.61E-07	0.00000153
ILMN_2051373	NEK2	NM_002497.2	-2.48	-1.31	8.64	9.95	1.63E-07	0.00000155
ILMN_1703330	FEM1C	NM_020177.2	-1.62	-0.7	12.23	12.93	1.65E-07	0.00000157
ILMN_1770905	SHC3	NM_016848.2	-1.88	-0.91	9.64	10.55	1.66E-07	0.00000158
ILMN_1739101	RBBP8	NM_002894.2	-2.33	-1.22	8.22	9.44	1.69E-07	0.00000161
ILMN_2043816	ARPC5L	NM_030978.1	-1.62	-0.7	12.13	12.82	1.7E-07	0.00000162
ILMN_1662334	DNAJA3	NM_005147.3	-1.51	-0.59	12.35	12.94	1.72E-07	0.00000163
ILMN_2318725	EEF1B2	NM_001037663.1	-1.59	-0.67	14.2	14.88	1.73E-07	0.00000164
ILMN_1771903	NUP37	NM_024057.2	-1.66	-0.73	12.35	13.09	1.76E-07	0.00000166
ILMN_1760201	DNMT1	NM_001379.1	-1.88	-0.91	13.06	13.97	1.76E-07	0.00000167
ILMN_1688727	LOC124512	XM_940962.1	-1.74	-0.8	8.91	9.71	1.77E-07	0.00000168
ILMN_1750052	C4ORF9	NM_003703.1	-1.71	-0.77	9.66	10.43	1.78E-07	0.00000169
ILMN_2077623	RRAS2	NM_012250.3	-1.58	-0.66	10.48	11.14	1.79E-07	0.00000169
ILMN_1665797	CSE1L	NM_001316.2	-1.73	-0.79	12.79	13.58	1.8E-07	0.0000017
ILMN_2391355	STAMPB	NM_006463.3	-1.52	-0.6	12.42	13.02	1.81E-07	0.00000171
ILMN_1782993	DHODH	NM_001361.3	-1.85	-0.89	8.11	9	1.81E-07	0.00000171
ILMN_2200331	H2AFX	NM_002105.2	-1.95	-0.96	11.07	12.03	1.83E-07	0.00000172
ILMN_1719170	WBSCR27	NM_152559.2	-2.23	-1.16	7.89	9.04	1.83E-07	0.00000172
ILMN_2377980	PPP1CA	NM_002708.3	-1.57	-0.65	10.45	11.1	1.86E-07	0.00000175
ILMN_2075927	STK40	NM_032017.1	-1.72	-0.78	12.86	13.65	1.86E-07	0.00000175
ILMN_2380999	RECQL	NM_032941.1	-1.58	-0.66	10.76	11.42	1.87E-07	0.00000176
ILMN_1706583	DLAT	NM_001931.2	-1.83	-0.87	10.7	11.57	1.87E-07	0.00000176
ILMN_1787762	HEATR1	NM_018072.4	-1.78	-0.83	10.82	11.65	1.91E-07	0.00000179
ILMN_1757730	FLJ20272	NM_017735.3	-1.58	-0.66	10.85	11.51	1.92E-07	0.0000018
ILMN_1709039	RPL13	NM_033251.1	-2.28	-1.19	9.81	11	1.92E-07	0.0000018
ILMN_1706779	LIG1	NM_000234.1	-1.74	-0.8	10.25	11.04	1.93E-07	0.0000018
ILMN_1653133	SH3D19	NM_001009555.2	-2.45	-1.29	10.25	11.53	1.93E-07	0.0000018

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ILMN_1779501	MC5R	NM_005913.1	-2.27	-1.18	7.62	8.8	1.94E-07	0.00000181
ILMN_2206645	ECD	NM_007265.1	-1.75	-0.81	10.54	11.35	1.94E-07	0.00000181
ILMN_1673899	FAM57A	NM_024792.1	-1.60	-0.68	12.46	13.14	1.94E-07	0.00000181
ILMN_2386100	BUB3	NM_001007793.1	-2.27	-1.18	10.22	11.41	1.98E-07	0.00000184
ILMN_1711120	ARC	NM_015193.3	-2.39	-1.26	8.29	9.55	1.98E-07	0.00000184
ILMN_1692177	TSC22D1	NM_006022.2	-1.62	-0.7	13.12	13.82	1.98E-07	0.00000184
ILMN_1673380	GNG12	NM_018841.3	-1.73	-0.79	12.14	12.94	1.98E-07	0.00000184
ILMN_1689652	RNMTL1	NM_018146.2	-1.66	-0.73	11.7	12.43	2.01E-07	0.00000186
ILMN_1709953	DONSON	NM_017613.2	-2.19	-1.13	9.05	10.18	2.01E-07	0.00000186
ILMN_1704206	GPR154	NM_207172.1	-2.41	-1.27	9.02	10.29	2.01E-07	0.00000186
ILMN_1665737	UFD1L	NM_005659.4	-1.51	-0.59	9.85	10.43	2.01E-07	0.00000187
ILMN_2184612	C3ORF52	NM_024616.1	-2.00	-1	7.12	8.12	2.03E-07	0.00000188
ILMN_1785175	SWAP70	NM_015055.1	-1.52	-0.6	11.46	12.06	2.06E-07	0.0000019
ILMN_1699737	TRAP1	NM_016292.1	-1.60	-0.68	11.47	12.15	2.06E-07	0.0000019
ILMN_1800975	PSME3	NM_005789.2	-1.53	-0.61	12.31	12.92	2.08E-07	0.00000192
ILMN_2214910	EPHB4	NM_004444.4	-1.84	-0.88	10.02	10.9	2.11E-07	0.00000195
ILMN_1755075	IDI1	NM_004508.2	-2.33	-1.22	9.92	11.13	2.11E-07	0.00000195
ILMN_2191436	POLA1	NM_016937.2	-1.78	-0.83	10.17	11	2.12E-07	0.00000196
ILMN_2057566	LOC283871	NM_001042371.2	-2.39	-1.26	9.32	10.59	2.13E-07	0.00000196
ILMN_1788789	CHRNA7	NM_000746.2	-1.89	-0.92	8.19	9.1	2.13E-07	0.00000196
ILMN_1788955	PDLIM1	NM_020992.2	-1.88	-0.91	10.43	11.34	2.15E-07	0.00000198
ILMN_2302983	TRPM3	NM_001007470.1	-2.10	-1.07	7.59	8.66	2.15E-07	0.00000198
ILMN_1779264	DSCR2	NM_003720.2	-2.06	-1.04	10.61	11.64	2.16E-07	0.00000198
ILMN_1699265	TNFRSF10B	NM_003842.3	-1.67	-0.74	12.12	12.85	2.18E-07	0.000002
ILMN_1761939	FLJ20516	NM_017858.1	-2.39	-1.26	9.35	10.6	2.2E-07	0.00000202
ILMN_2361768	CHRNA1	NM_001039523.1	-2.89	-1.53	7.92	9.45	2.24E-07	0.00000205
ILMN_2193315	C14ORF143	NM_145231.2	-1.85	-0.89	9.64	10.54	2.28E-07	0.00000209
ILMN_2189371	NTNG1	NM_014917.2	-2.30	-1.2	9.32	10.52	2.3E-07	0.0000021
ILMN_2277099	YWHAB	NM_003404.3	-1.72	-0.78	10.52	11.31	2.31E-07	0.00000211
ILMN_2041046	CKS1B	NM_001826.1	-1.59	-0.67	12.47	13.14	2.32E-07	0.00000212
ILMN_2403946	FEZ2	NM_005102.1	-1.49	-0.58	13.26	13.85	2.36E-07	0.00000215
ILMN_2383707	ALDH1A2	NM_170696.1	-1.87	-0.9	8.59	9.49	2.38E-07	0.00000216
ILMN_2109156	RANBP1	NM_002882.2	-2.01	-1.01	12.43	13.44	2.38E-07	0.00000216
ILMN_2197365	RGS2	NM_002923.1	-2.36	-1.24	9.87	11.11	2.39E-07	0.00000217
ILMN_2367070	ACOT9	NM_001037171.1	-2.04	-1.03	8.87	9.9	2.41E-07	0.00000219
ILMN_1809467	VAMP5	NM_006634.2	-1.67	-0.74	11.82	12.56	2.51E-07	0.00000227
ILMN_1743933	ZNF537	NM_020856.1	-1.56	-0.64	10.49	11.13	2.54E-07	0.0000023
ILMN_1763207	SNFT	NM_018664.1	-2.08	-1.06	9.52	10.58	2.55E-07	0.0000023
ILMN_1662306	RABL3	NM_173825.2	-1.65	-0.72	10.43	11.15	2.59E-07	0.00000233
ILMN_1680726	SYTL5	NM_138780.1	-2.04	-1.03	8.04	9.07	2.66E-07	0.0000024
ILMN_1723709	C9ORF116	NM_144654.1	-1.84	-0.88	10.62	11.5	2.67E-07	0.0000024
ILMN_1708414	GNL3L	NM_019067.3	-1.64	-0.71	10.41	11.11	2.67E-07	0.00000241
ILMN_1740345	THYN1	NM_014174.2	-1.61	-0.69	10.75	11.44	2.7E-07	0.00000243

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ILMN_1678087	MAP3K4	NM_006724.2	-1.64	-0.71	11.28	11.98	2.72E-07	0.00000245
ILMN_1729117	COL5A2	NM_000393.2	-1.56	-0.64	11.02	11.66	2.87E-07	0.00000257
ILMN_1731043	TRA2A	NM_013293.2	-1.51	-0.59	11.1	11.69	2.88E-07	0.00000257
ILMN_1758339	CSTF1	NM_001033521.1	-1.52	-0.6	9.11	9.71	2.9E-07	0.00000259
ILMN_1673026	CHCHD3	NM_017812.1	-1.53	-0.61	10.94	11.55	2.91E-07	0.00000259
ILMN_1793220	GART	NM_175085.1	-1.54	-0.62	11.47	12.1	2.92E-07	0.00000261
ILMN_2396947	PSMC3IP	NM_016556.1	-2.57	-1.36	8.64	10	2.93E-07	0.00000261
ILMN_2330307	SLC43A3	NM_017611.2	-2.30	-1.2	8.03	9.23	2.93E-07	0.00000261
ILMN_1706246	CCT5	NM_012073.3	-1.65	-0.72	10.06	10.78	2.96E-07	0.00000263
ILMN_2352042	MRPL4	NM_146387.1	-1.72	-0.78	10.48	11.26	2.97E-07	0.00000264
ILMN_1778377	ERGIC1	NM_001031711.1	-1.93	-0.95	9.79	10.74	2.99E-07	0.00000266
ILMN_1689842	SC4MOL	NM_006745.3	-2.33	-1.22	10.94	12.16	2.99E-07	0.00000266
ILMN_2149566	VPS25	NM_032353.2	-1.62	-0.7	11.84	12.55	3.08E-07	0.00000273
ILMN_2405628	TOP1MT	NM_052963.1	-1.51	-0.59	10.54	11.13	3.08E-07	0.00000274
ILMN_2272708	GIYD1	NM_001014999.1	-2.45	-1.29	9	10.29	3.13E-07	0.00000278
ILMN_1725707	ATG16L1	NM_030803.5	-1.57	-0.65	11.18	11.83	3.13E-07	0.00000278
ILMN_1798705	CCNC	NM_005190.3	-1.85	-0.89	10.78	11.67	3.16E-07	0.0000028
ILMN_1727055	C12ORF48	NM_017915.1	-2.55	-1.35	8.75	10.1	3.18E-07	0.00000281
ILMN_1810864	PMP22	NM_153321.1	-1.68	-0.75	11.72	12.48	3.21E-07	0.00000284
ILMN_1755051	EFHC1	NM_018100.1	-1.55	-0.63	10.68	11.31	3.23E-07	0.00000286
ILMN_2365881	ATG16L1	NM_017974.3	-1.55	-0.63	11.31	11.95	3.23E-07	0.00000286
ILMN_2298936	THOC3	NM_032361.1	-1.64	-0.71	11.25	11.96	3.25E-07	0.00000287
ILMN_1654322	ATP1B3	NM_001679.2	-1.56	-0.64	11.42	12.06	3.27E-07	0.00000288
ILMN_2286870	CSNK1D	NM_139062.1	-1.67	-0.74	10.65	11.39	3.28E-07	0.00000289
ILMN_2395043	HSPA4	NM_198431.1	-1.99	-0.99	11.58	12.57	3.36E-07	0.00000295
ILMN_2129859	FASTKD3	NM_024091.2	-1.60	-0.68	9.71	10.38	3.37E-07	0.00000295
ILMN_1711314	NUDT5	NM_014142.2	-1.54	-0.62	12.55	13.16	3.38E-07	0.00000297
ILMN_1812976	DDX54	NM_024072.3	-1.71	-0.77	9.46	10.23	3.42E-07	0.000003
ILMN_1811363	NOVA1	NM_006491.2	-1.78	-0.83	9.96	10.79	3.46E-07	0.00000303
ILMN_2376980	FSD1	NM_024333.1	-2.04	-1.03	9.75	10.78	3.46E-07	0.00000303
ILMN_1654823	MGC70863	NM_203302.2	-1.73	-0.79	9.01	9.79	3.46E-07	0.00000303
ILMN_1764628	LYPLA2	NM_007260.2	-1.62	-0.7	9.99	10.69	3.47E-07	0.00000303
ILMN_2402392	COL8A1	NM_020351.2	-1.95	-0.96	10.79	11.75	3.47E-07	0.00000303
ILMN_1695226	DIAPH3	NM_030932.2	-2.25	-1.17	8.25	9.42	3.5E-07	0.00000305
ILMN_2330966	PTK2B	NM_173176.1	-1.97	-0.98	9.03	10.01	3.53E-07	0.00000308
ILMN_1786041	ASB9	NM_024087.1	-1.62	-0.7	7.11	7.81	3.53E-07	0.00000308
ILMN_1738326	EIF4E2	NM_004846.2	-1.55	-0.63	11.93	12.56	3.56E-07	0.0000031
ILMN_1742779	C1ORF155	NM_033319.1	-1.59	-0.67	10.32	10.99	3.58E-07	0.00000312
ILMN_1656386	SEC24D	NM_014822.1	-2.95	-1.56	8.14	9.7	3.59E-07	0.00000312
ILMN_1741960	DGKG	NM_001346.1	-1.89	-0.92	7.63	8.55	3.6E-07	0.00000313
ILMN_1717357	PDCD8	NM_004208.2	-2.10	-1.07	9.47	10.53	3.61E-07	0.00000314
ILMN_2105966	SLC35A4	NM_080670.2	-1.62	-0.7	11.56	12.25	3.65E-07	0.00000317
ILMN_1761159	FAM62A	NM_015292.1	-1.71	-0.77	11.39	12.16	3.68E-07	0.00000319

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ILMN_1746393	TSEN2	NM_025265.2	-1.53	-0.61	10.9	11.51	3.69E-07	0.0000032
ILMN_1726520	TDP1	NM_018319.3	-1.72	-0.78	9.42	10.21	3.72E-07	0.00000323
ILMN_1783910	TRAF6	NM_004620.2	-1.96	-0.97	9.27	10.24	3.73E-07	0.00000324
ILMN_2395451	ASS1	NM_054012.3	-1.60	-0.68	11.07	11.75	3.8E-07	0.00000328
ILMN_1655663	SC65	NM_006455.2	-1.58	-0.66	11.41	12.08	3.8E-07	0.00000329
ILMN_1815130	MICAL-L1	NM_033386.2	-2.14	-1.1	8.45	9.55	3.81E-07	0.00000329
ILMN_1690464	TMEM20	NM_153226.1	-1.82	-0.86	7.86	8.72	3.84E-07	0.00000331
ILMN_2341254	STARD13	NM_178006.1	-1.68	-0.75	9.22	9.97	3.86E-07	0.00000333
ILMN_1712505	KDELC1	NM_024089.1	-1.82	-0.86	9.5	10.35	3.88E-07	0.00000334
ILMN_1745271	EXOSC4	NM_019037.2	-1.96	-0.97	10.4	11.37	3.94E-07	0.00000339
ILMN_1720926	PSMD5	NM_005047.2	-1.51	-0.59	10.4	10.99	3.99E-07	0.00000343
ILMN_1799819	MARS	NM_004990.2	-1.53	-0.61	11.01	11.62	0.0000004	0.00000344
ILMN_1730391	MRPS18A	NM_018135.2	-1.97	-0.98	10.75	11.72	4.01E-07	0.00000345
ILMN_1679405	DDX56	NM_019082.2	-1.51	-0.59	11.96	12.55	4.03E-07	0.00000346
ILMN_1765558	NPAS2	NM_002518.3	-2.06	-1.04	9	10.04	4.05E-07	0.00000347
ILMN_1782141	GRHL3	NM_021180.2	-2.11	-1.08	7.22	8.3	4.07E-07	0.00000349
ILMN_1752455	DOCK5	NM_024940.4	-1.71	-0.77	7.97	8.74	4.11E-07	0.00000352
ILMN_1767523	IL17RB	NM_172234.1	-1.53	-0.61	9.64	10.26	4.16E-07	0.00000356
ILMN_2413899	MCM10	NM_018518.3	-2.85	-1.51	8.52	10.02	4.19E-07	0.00000359
ILMN_1788377	COL27A1	NM_032888.2	-2.10	-1.07	7.6	8.67	4.23E-07	0.00000362
ILMN_1706238	CSE1L	NM_177436.1	-1.67	-0.74	13.28	14.02	4.23E-07	0.00000362
ILMN_1776582	PDK3	NM_005391.1	-1.82	-0.86	9.4	10.26	4.24E-07	0.00000362
ILMN_1698209	AGPS	NM_003659.1	-1.60	-0.68	10.59	11.27	4.26E-07	0.00000363
ILMN_1724493	LYSMD2	NM_153374.1	-1.53	-0.61	11.05	11.66	4.26E-07	0.00000363
ILMN_1708077	DAXX	NM_001350.3	-1.69	-0.76	10.18	10.94	4.29E-07	0.00000365
ILMN_2054121	UNQ3045	NM_207409.1	-1.87	-0.9	7.17	8.08	4.32E-07	0.00000368
ILMN_1795007	FLJ22555	NM_024520.1	-1.56	-0.64	11.67	12.3	4.35E-07	0.0000037
ILMN_1692335	ELK3	NM_005230.2	-2.04	-1.03	7.82	8.85	4.38E-07	0.00000372
ILMN_1685472	LRRTM4	NM_024993.3	-1.68	-0.75	9.58	10.33	4.41E-07	0.00000375
ILMN_1710668	LETM1	NM_012318.1	-1.68	-0.75	9.37	10.12	4.46E-07	0.00000378
ILMN_1791569	PLXNA1	NM_032242.2	-1.92	-0.94	10.08	11.02	4.47E-07	0.00000379
ILMN_1768705	SYT4	NM_020783.2	-1.68	-0.75	8.47	9.22	4.51E-07	0.00000382
ILMN_1709484	BLM	NM_000057.1	-2.28	-1.19	8.76	9.94	4.54E-07	0.00000384
ILMN_1779147	ENC1	NM_003633.1	-1.57	-0.65	13.82	14.47	4.61E-07	0.0000039
ILMN_1735743	FLJ37440	NM_153214.1	-1.87	-0.9	8.79	9.69	4.61E-07	0.0000039
ILMN_1797307	BUB1B	NM_001211.4	-1.97	-0.98	8.66	9.64	4.66E-07	0.00000394
ILMN_1695773	STK24	NM_001032296.1	-1.77	-0.82	8.34	9.15	4.73E-07	0.00000399
ILMN_1721657	RSU1	NM_152724.2	-2.06	-1.04	9.64	10.68	4.78E-07	0.00000403
ILMN_2371964	MRPS12	NM_033363.1	-1.71	-0.77	12.2	12.97	4.78E-07	0.00000403
ILMN_1702105	EFS	NM_005864.2	-1.55	-0.63	10.22	10.85	4.8E-07	0.00000404
ILMN_1815345	EIF3S1	NM_003758.1	-1.58	-0.66	11.29	11.95	4.86E-07	0.00000408
ILMN_2205935	SFXN1	NM_022754.4	-1.79	-0.84	10.65	11.49	4.87E-07	0.00000409
ILMN_1717925	OPRS1	NM_147160.2	-1.72	-0.78	9.29	10.08	4.89E-07	0.0000041

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ILMN_2154950	ZNF423	NM_015069.2	-1.64	-0.71	11.34	12.05	5.05E-07	0.00000423
ILMN_1752502	HKDC1	NM_025130.2	-1.82	-0.86	9.21	10.07	5.06E-07	0.00000424
ILMN_1744308	DHX33	NM_020162.2	-1.53	-0.61	11.13	11.74	5.07E-07	0.00000424
ILMN_1768975	MGC26856	NM_152779.1	-2.30	-1.2	7.98	9.18	5.07E-07	0.00000425
ILMN_1804090	SLC25A10	NM_012140.3	-2.33	-1.22	9.34	10.56	5.13E-07	0.00000429
ILMN_1770206	GEMIN4	NM_015721.1	-1.56	-0.64	12.05	12.7	5.16E-07	0.00000431
ILMN_1810782	SH3KBP1	NM_031892.1	-1.57	-0.65	12.1	12.75	5.22E-07	0.00000436
ILMN_2365528	NY-SAR-48	NM_033417.1	-1.88	-0.91	9.43	10.34	5.25E-07	0.00000438
ILMN_1768293	NUP155	NM_004298.2	-1.59	-0.67	10.93	11.6	5.27E-07	0.0000044
ILMN_1808071	KIF14	NM_014875.1	-2.69	-1.43	9.57	11	5.27E-07	0.0000044
ILMN_1773095	LOC283755	NM_001024682.1	-2.14	-1.1	8.13	9.23	5.32E-07	0.00000443
ILMN_1718672	NOLA2	NM_017838.3	-1.64	-0.71	12.56	13.27	5.33E-07	0.00000444
ILMN_1773427	ANKRD15	NM_153186.3	-1.79	-0.84	11.14	11.99	5.39E-07	0.00000449
ILMN_1716446	BCL10	NM_003921.2	-1.51	-0.59	9.65	10.23	5.45E-07	0.00000453
ILMN_1706118	C16ORF34	NM_144570.2	-1.54	-0.62	10.14	10.76	5.47E-07	0.00000454
ILMN_1801043	GSN	NM_198252.1	-1.56	-0.64	10.44	11.08	5.49E-07	0.00000455
ILMN_2386040	MYOHD1	NM_001033580.1	-1.71	-0.77	7.93	8.7	5.49E-07	0.00000455
ILMN_1715024	LSS	NM_002340.3	-1.74	-0.8	12.17	12.97	5.5E-07	0.00000455
ILMN_1660111	UCHL3	NM_006002.3	-1.56	-0.64	11.36	12	5.55E-07	0.00000459
ILMN_1743499	POLDIP2	NM_015584.2	-1.55	-0.63	10.67	11.3	5.56E-07	0.0000046
ILMN_1656293	GOSR2	NM_054022.2	-1.64	-0.71	10.73	11.44	5.56E-07	0.0000046
ILMN_1669572	RNF126	NM_194460.1	-1.65	-0.72	10.31	11.03	5.58E-07	0.00000461
ILMN_1716838	C21ORF56	NM_032261.3	-1.85	-0.89	10.17	11.07	5.65E-07	0.00000466
ILMN_1679476	GART	NM_000819.3	-1.57	-0.65	11.99	12.64	5.67E-07	0.00000468
ILMN_1695423	CD9	NM_001769.2	-1.77	-0.82	10.11	10.93	5.72E-07	0.00000472
ILMN_1761594	FAM35A	NM_019054.1	-1.95	-0.96	8.56	9.52	5.77E-07	0.00000475
ILMN_1806293	LIN7A	NM_004664.2	-1.75	-0.81	8.85	9.66	5.81E-07	0.00000478
ILMN_2324989	IKIP	NM_201612.1	-1.88	-0.91	8.32	9.23	5.81E-07	0.00000478
ILMN_2320888	CXCR4	NM_001008540.1	-1.52	-0.6	10.55	11.15	5.85E-07	0.00000481
ILMN_1757636	MGC33648	NM_153706.2	-1.66	-0.73	10.74	11.47	5.92E-07	0.00000486
ILMN_1787370	PRO1853	NM_144736.3	-1.66	-0.73	9.4	10.13	5.95E-07	0.00000488
ILMN_1734742	ARHGDI1	NM_004309.3	-1.68	-0.75	12.78	13.53	5.98E-07	0.0000049
ILMN_1682930	SIPA1	NM_153253.28	-2.10	-1.07	9.75	10.82	5.98E-07	0.0000049
ILMN_1712040	FARP1	NM_001001715.1	-1.84	-0.88	8.62	9.5	6.1E-07	0.00000498
ILMN_1698307	DBNL	NM_014063.5	-1.49	-0.58	13.13	13.71	6.15E-07	0.00000502
ILMN_1761181	NOL9	NM_024654.3	-1.66	-0.73	8.74	9.47	6.17E-07	0.00000503
ILMN_1754988	C21ORF127	NM_013240.2	-1.69	-0.76	9.45	10.21	6.23E-07	0.00000508
ILMN_2244484	CCBL2	NM_001008661.1	-1.59	-0.67	10.08	10.75	6.26E-07	0.0000051
ILMN_2368713	KUA-UEV	NM_003349.4	-1.65	-0.72	10.14	10.87	6.33E-07	0.00000515
ILMN_1738819	EFTUD2	NM_004247.2	-1.64	-0.71	12.25	12.96	6.41E-07	0.00000521
ILMN_1730202	MAGEF1	NM_022149.4	-1.53	-0.61	10.99	11.6	6.47E-07	0.00000525
ILMN_1801584	CXCR4	NM_003467.2	-1.73	-0.79	11.78	12.56	6.49E-07	0.00000526
ILMN_2221564	LYAR	NM_017816.1	-1.71	-0.77	10.29	11.06	6.59E-07	0.00000534

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ILMN_1803398	SRF	NM_003131.2	-1.56	-0.64	12.42	13.05	6.6E-07	0.00000534
ILMN_1659189	C9ORF89	NM_032310.2	-1.71	-0.77	10.71	11.47	6.67E-07	0.00000054
ILMN_1676191	DARS2	NM_018122.3	-1.77	-0.82	9.9	10.72	6.76E-07	0.00000547
ILMN_1713505	NPC1	NM_000271.1	-1.83	-0.87	10.54	11.42	6.82E-07	0.00000551
ILMN_1674243	TFRC	NM_003234.1	-1.79	-0.84	12.76	13.6	6.88E-07	0.00000555
ILMN_1712122	FANCD2	NM_001018115.1	-1.74	-0.8	8.4	9.19	6.95E-07	0.0000056
ILMN_2219351	CENPO	NM_024322.1	-1.92	-0.94	8.39	9.33	6.97E-07	0.00000562
ILMN_1802557	HEBP1	NM_015987.3	-1.87	-0.9	10.26	11.16	7.05E-07	0.00000568
ILMN_1720482	BM88	NM_016564.2	-1.64	-0.71	10.3	11.01	7.11E-07	0.00000572
ILMN_1815552	NTAN1	NM_173474.2	-1.59	-0.67	11.37	12.04	7.15E-07	0.00000575
ILMN_1688953	ARHGAP19	NM_032900.4	-1.68	-0.75	11.53	12.28	7.19E-07	0.00000578
ILMN_1746686	POLR1C	NM_203290.1	-1.54	-0.62	11.68	12.31	7.2E-07	0.00000579
ILMN_1744244	DPAGT1	NM_001382.2	-1.80	-0.85	9.73	10.58	7.27E-07	0.00000584
ILMN_2110167	POLR1E	NM_022490.1	-1.54	-0.62	12.01	12.64	7.38E-07	0.00000593
ILMN_1742461	UAP1	NM_003115.3	-1.93	-0.95	9.47	10.42	7.39E-07	0.00000593
ILMN_1798838	CTTN	NM_005231.2	-2.00	-1	8.67	9.67	7.42E-07	0.00000595
ILMN_1720764	UBE1	NM_153280.1	-2.17	-1.12	8.52	9.64	7.45E-07	0.00000597
ILMN_2395236	CHEK2	NM_007194.3	-2.25	-1.17	8.48	9.64	7.47E-07	0.00000598
ILMN_2131936	ATAD3B	NM_031921.4	-2.28	-1.19	8.43	9.61	7.5E-07	0.000006
ILMN_1656798	TIMM17A	NM_006335.1	-1.68	-0.75	8.54	9.29	7.53E-07	0.00000602
ILMN_1765500	NDUFV3	NM_021075.3	-1.91	-0.93	9.05	9.97	7.58E-07	0.00000606
ILMN_1671288	ODF2	NM_153437.1	-1.78	-0.83	9.46	10.29	7.64E-07	0.0000061
ILMN_1653129	CSTF2	NM_001325.2	-1.53	-0.61	10.64	11.26	7.67E-07	0.00000613
ILMN_1733421	PRKCQ	NM_006257.2	-1.77	-0.82	10.15	10.98	7.72E-07	0.00000616
ILMN_1762002	CSTF3	NM_001033505.1	-1.55	-0.63	11.46	12.09	7.72E-07	0.00000616
ILMN_2150352	CBWD5	NM_001024916.2	-1.54	-0.62	10.83	11.45	7.72E-07	0.00000616
ILMN_2143487	TAF1B	NM_005680.1	-1.67	-0.74	9.29	10.04	7.76E-07	0.00000619
ILMN_1767320	MAPK1	NM_138957.2	-1.69	-0.76	10.5	11.26	7.81E-07	0.00000622
ILMN_1666894	CSPG4	NM_001897.3	-2.00	-1	8.52	9.52	7.84E-07	0.00000624
ILMN_1771462	RPL36	NM_015414.2	-2.00	-1	9.19	10.19	7.86E-07	0.00000625
ILMN_1768273	POP1	NM_015029.1	-1.82	-0.86	8.89	9.75	7.87E-07	0.00000626
ILMN_1687986	SLC6A20	NM_020208.2	-1.68	-0.75	7.59	8.34	7.9E-07	0.00000628
ILMN_2041236	GARNL4	NM_015085.3	-1.54	-0.62	9.15	9.77	7.93E-07	0.00000631
ILMN_1815479	NOLA3	NM_018648.2	-1.53	-0.61	14.01	14.62	7.98E-07	0.00000634
ILMN_1775944	ABI2	XM_938458.1	-1.56	-0.64	9.97	10.61	8.1E-07	0.00000643
ILMN_1692056	HS3ST3A1	NM_006042.1	-1.78	-0.83	12.27	13.11	8.12E-07	0.00000644
ILMN_2244547	ETNK1	NM_001039481.1	-2.20	-1.14	7.57	8.71	8.28E-07	0.00000656
ILMN_2227968	NTHL1	NM_002528.4	-1.85	-0.89	10.37	11.26	8.3E-07	0.00000657
ILMN_1795503	MCC	NM_002387.1	-2.00	-1	8.79	9.78	8.38E-07	0.00000662
ILMN_1809613	NGEF	NM_019850.1	-2.39	-1.26	8.44	9.7	8.41E-07	0.00000665
ILMN_2084836	CORO2B	NM_006091.2	-1.92	-0.94	12.2	13.13	8.43E-07	0.00000666
ILMN_1697736	EXOSC2	NM_014285.4	-1.62	-0.7	10.79	11.49	8.43E-07	0.00000666
ILMN_1669842	CHAF1A	NM_005483.2	-1.99	-0.99	8.82	9.81	8.51E-07	0.00000672

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ILMN_2047460	C1ORF187	NM_198545.3	-1.55	-0.63	11.42	12.05	8.54E-07	0.00000674
ILMN_2311826	USP6NL	NM_001080491.1	-1.61	-0.69	10.45	11.14	8.6E-07	0.00000679
ILMN_1673320	C18ORF34	NM_198995.1	-1.59	-0.67	7.32	7.99	8.69E-07	0.00000685
ILMN_2170515	C9ORF32	NM_014064.2	-1.54	-0.62	10.96	11.58	8.78E-07	0.00000691
ILMN_1793724	C3ORF31	NM_138807.2	-1.51	-0.59	10.7	11.29	8.83E-07	0.00000694
ILMN_1672650	PKM2	NM_002654.3	-1.80	-0.85	11.41	12.26	8.83E-07	0.00000694
ILMN_2384241	TGFBR2	NM_001024847.1	-1.60	-0.68	10.82	11.5	8.87E-07	0.00000697
ILMN_1753745	HDDC2	NM_016063.1	-1.56	-0.64	13.11	13.75	8.97E-07	0.00000703
ILMN_1735719	UNG	NM_080911.1	-1.88	-0.91	7.85	8.76	8.98E-07	0.00000704
ILMN_2225718	CENPE	NM_001813.2	-2.53	-1.34	8.23	9.57	0.0000009	0.00000705
ILMN_2399503	UBN1	NM_001079514.1	-1.67	-0.74	12.02	12.76	0.0000009	0.00000705
ILMN_1697440	PRPF4	NM_004697.3	-1.49	-0.58	12.41	12.99	9.03E-07	0.00000707
ILMN_1737087	WDR5	NM_017588.2	-1.80	-0.85	8.21	9.06	9.17E-07	0.00000718
ILMN_1775008	CNAP1	NM_014865.2	-1.71	-0.77	11.73	12.49	9.22E-07	0.00000721
ILMN_1705689	ADAM12	NM_003474.3	-2.19	-1.13	8.32	9.45	9.23E-07	0.00000721
ILMN_1796069	CBLN2	NM_182511.2	-2.57	-1.36	7.89	9.26	9.23E-07	0.00000721
ILMN_2310253	TARBP2	NM_134324.2	-1.61	-0.69	10.31	11.01	9.25E-07	0.00000722
ILMN_1802894	VKORC1L1	NM_173517.3	-1.66	-0.73	10.75	11.48	9.26E-07	0.00000722
ILMN_1686989	INSIG1	NM_198336.1	-3.10	-1.63	7.73	9.36	9.33E-07	0.00000727
ILMN_1812777	MRPL35	NM_145644.1	-1.52	-0.6	11.23	11.84	9.42E-07	0.00000734
ILMN_1795976	SFXN2	NM_178858.3	-1.92	-0.94	7.78	8.72	9.56E-07	0.00000745
ILMN_1806733	COL18A1	NM_030582.2	-1.79	-0.84	9.86	10.71	9.7E-07	0.00000754
ILMN_1733781	FSD1	NM_024333.1	-1.97	-0.98	9.42	10.4	9.71E-07	0.00000755
ILMN_1801504	RUNX1	NM_001754.3	-2.50	-1.32	9.61	10.93	9.75E-07	0.00000758
ILMN_1656691	FBXO4	NM_012176.2	-1.54	-0.62	10.12	10.74	9.8E-07	0.00000762
ILMN_1697710	IL1F7	NM_014439.3	-1.75	-0.81	7.87	8.68	9.85E-07	0.00000764
ILMN_1795181	FLJ20035	NM_017631.3	-2.38	-1.25	8.77	10.02	9.86E-07	0.00000765
ILMN_1767253	KIAA0690	NM_015179.2	-1.65	-0.72	9.99	10.71	9.87E-07	0.00000766
ILMN_1745513	MT	NM_173467.3	-1.58	-0.66	10.03	10.69	9.93E-07	0.0000077
ILMN_1716925	FSIP1	NM_152597.3	-1.53	-0.61	9.44	10.05	9.99E-07	0.00000774
ILMN_1683747	CD276	XM_945867.1	-2.08	-1.06	9.99	11.04	1.02E-06	0.00000787
ILMN_2103761	TLE4	NM_007005.3	-1.77	-0.82	11.16	11.98	1.02E-06	0.00000789
ILMN_2381296	GSTZ1	NM_145871.1	-1.55	-0.63	9.71	10.34	1.03E-06	0.00000799
ILMN_1675656	PPFIBP2	NM_003621.1	-1.62	-0.7	9.58	10.28	1.04E-06	0.00000804
ILMN_2312304	INTS6	NM_001039938.1	-1.80	-0.85	8.41	9.25	1.06E-06	0.00000814
ILMN_2338963	SLC29A1	NM_001078174.1	-1.78	-0.83	8.13	8.96	1.06E-06	0.00000817
ILMN_1703092	RECQL4	NM_004260.1	-2.43	-1.28	8.62	9.91	1.07E-06	0.00000822
ILMN_1805200	DNM1	NM_004408.2	-2.50	-1.32	8.92	10.24	1.09E-06	0.00000841
ILMN_1750102	EME1	NM_152463.1	-2.25	-1.17	8.69	9.87	1.11E-06	0.00000851
ILMN_1766793	C9ORF23	NM_148179.1	-1.65	-0.72	8.92	9.65	1.11E-06	0.00000854
ILMN_1735220	CAV2	NM_001233.3	-1.67	-0.74	9.15	9.89	1.13E-06	0.00000864
ILMN_1756935	OSBPL6	NM_145739.1	-1.57	-0.65	10.62	11.28	1.13E-06	0.00000869
ILMN_1713636	S100A6	NM_014624.3	-2.00	-1	11.81	12.81	1.14E-06	0.0000087

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ILMN_1670542	AK2	NM_001625.2	-1.61	-0.69	11.28	11.98	1.15E-06	0.00000878
ILMN_2389013	ADRM1	NM_175573.1	-1.60	-0.68	11.32	12	1.16E-06	0.00000884
ILMN_1790801	RPS6KA2	NM_021135.4	-2.07	-1.05	8.11	9.16	1.16E-06	0.00000885
ILMN_2367458	UFD1L	NM_001035247.1	-1.65	-0.72	9.18	9.91	1.17E-06	0.0000089
ILMN_2110908	MYC	NM_002467.3	-2.81	-1.49	8.73	10.22	1.17E-06	0.00000896
ILMN_1771026	GARS	NM_002047.1	-1.55	-0.63	13.11	13.74	0.0000012	0.00000915
ILMN_1674402	TMEM71	NM_144649.1	-1.72	-0.78	7.53	8.31	1.22E-06	0.00000927
ILMN_1653209	ZWINT	NM_032997.2	-1.64	-0.71	8.02	8.73	1.22E-06	0.00000928
ILMN_1732150	KIAA0101	NM_014736.4	-2.22	-1.15	8.68	9.83	1.22E-06	0.0000093
ILMN_1811851	PRRX1	NM_006902.3	-1.79	-0.84	8	8.83	1.22E-06	0.0000093
ILMN_1805665	FLRT3	NM_013281.2	-1.61	-0.69	10.07	10.76	1.27E-06	0.00000957
ILMN_1692271	CCM2	NM_031443.3	-1.60	-0.68	9.47	10.15	1.27E-06	0.00000957
ILMN_1713603	PRKCB1	NM_212535.1	-1.95	-0.96	7.82	8.78	1.27E-06	0.00000957
ILMN_2041101	ANXA2P1	NR_001562.1	-2.27	-1.18	10.58	11.76	1.28E-06	0.00000963
ILMN_2345739	C1QDC1	NM_023925.3	-1.64	-0.71	10.31	11.02	1.29E-06	0.0000097
ILMN_1718297	EML4	NM_019063.2	-1.71	-0.77	10.77	11.54	1.29E-06	0.0000097
ILMN_1797362	LIMK1	NM_016735.1	-1.77	-0.82	9.01	9.83	1.29E-06	0.0000097
ILMN_1714278	C9ORF30	NM_080655.1	-1.62	-0.7	10.76	11.46	0.0000013	0.00000976
ILMN_1709483	MRE11A	NM_005591.3	-1.72	-0.78	9	9.77	0.0000013	0.00000976
ILMN_1774028	MTFR1	NM_014637.2	-1.57	-0.65	10.63	11.29	0.0000013	0.0000098
ILMN_2087702	MYH9	NM_002473.3	-1.77	-0.82	13.16	13.98	1.32E-06	0.00000991
ILMN_1699469	KCNIP4	NM_147182.2	-1.77	-0.82	7.39	8.21	1.33E-06	0.00000996
ILMN_2202930	PCYT2	NM_002861.1	-1.67	-0.74	8.72	9.46	1.34E-06	0.00001
ILMN_1669323	BACE2	NM_012105.3	-1.91	-0.93	10.3	11.23	1.34E-06	0.0000101
ILMN_1759184	MGC13170	NM_199249.1	-1.69	-0.76	11.85	12.61	1.37E-06	0.0000103
ILMN_1794038	FAM49A	NM_030797.1	-2.11	-1.08	8.91	9.99	1.39E-06	0.0000104
ILMN_1764770	MGC15763	NM_138381.1	-1.69	-0.76	9.37	10.13	1.41E-06	0.0000105
ILMN_1685037	ASL	NM_001024943.1	-1.71	-0.77	7.48	8.24	1.42E-06	0.0000106
ILMN_1779674	PTPRG	NM_002841.2	-1.79	-0.84	10.06	10.91	1.42E-06	0.0000106
ILMN_1795429	VCL	NM_003373.3	-1.54	-0.62	13.66	14.29	1.43E-06	0.0000107
ILMN_1739397	GLMN	NM_053274.1	-1.74	-0.8	10.37	11.16	1.44E-06	0.0000108
ILMN_1655904	ROR1	NM_005012.1	-2.36	-1.24	8.27	9.51	1.45E-06	0.0000108
ILMN_1694755	FSD1	NM_024333.1	-1.91	-0.93	8.79	9.72	1.47E-06	0.000011
ILMN_2407124	MCM8	NM_032485.4	-2.64	-1.4	8.61	10.01	1.48E-06	0.000011
ILMN_1813955	SERTAD3	NM_203344.1	-1.79	-0.84	8.9	9.75	0.0000015	0.0000111
ILMN_1663787	KLK3	NM_001030050.1	-2.77	-1.47	7.79	9.26	0.0000015	0.0000112
ILMN_2051381	ALDH16A1	NM_153329.2	-2.01	-1.01	8.94	9.95	1.52E-06	0.0000113
ILMN_1782688	THNSL1	NM_024838.3	-1.57	-0.65	10.23	10.88	1.52E-06	0.0000113
ILMN_1673543	PGM2	NM_018290.2	-1.51	-0.59	10.62	11.2	1.57E-06	0.0000116
ILMN_1714623	TOMM22	NM_020243.4	-1.51	-0.59	12.08	12.67	1.58E-06	0.0000116
ILMN_1680703	MRPS15	NM_031280.2	-1.62	-0.7	12.29	12.98	1.58E-06	0.0000117
ILMN_1795524	C15ORF44	NM_030800.1	-1.51	-0.59	10.88	11.47	1.59E-06	0.0000117
ILMN_1698259	TMEM100	NM_018286.1	-1.69	-0.76	9.03	9.78	1.59E-06	0.0000117

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ILMN_2044832	NOL5A	NM_006392.2	-1.57	-0.65	12.93	13.58	1.59E-06	0.0000117
ILMN_1723971	SLC29A1	NM_004955.1	-1.96	-0.97	8.44	9.4	0.0000016	0.0000118
ILMN_1718932	MTRR	NM_002454.1	-2.07	-1.05	9.97	11.02	0.0000016	0.0000118
ILMN_1673757	CASP8	NM_033358.2	-1.80	-0.85	7.78	8.63	1.62E-06	0.0000119
ILMN_1729611	REEP4	NM_025232.2	-1.67	-0.74	8.55	9.3	1.62E-06	0.0000119
ILMN_1766112	WHSC1	NM_007331.1	-1.92	-0.94	8.63	9.57	1.62E-06	0.0000119
ILMN_1728236	FLJ10260	NM_018042.2	-2.04	-1.03	7.66	8.69	1.63E-06	0.000012
ILMN_1689473	ATP6V1H	NM_213620.1	-1.54	-0.62	8.95	9.57	1.68E-06	0.0000123
ILMN_1748923	SMC2L1	NM_006444.1	-2.39	-1.26	9.35	10.61	1.71E-06	0.0000125
ILMN_2332558	ARL5A	NM_001037174.1	-1.49	-0.58	11.36	11.94	1.71E-06	0.0000125
ILMN_1715416	NUP188	NM_015354.1	-1.54	-0.62	10.31	10.93	1.72E-06	0.0000125
ILMN_1684306	S100A4	NM_002961.2	-1.78	-0.83	8.16	8.99	1.73E-06	0.0000126
ILMN_1800197	MRPL36	NM_032479.2	-1.57	-0.65	13.31	13.96	1.73E-06	0.0000126
ILMN_2409298	NUSAP1	NM_018454.5	-1.96	-0.97	10.77	11.75	1.74E-06	0.0000127
ILMN_1671209	SYTL2	NM_206930.1	-2.30	-1.2	9.06	10.26	1.76E-06	0.0000128
ILMN_2109526	CSNK2A1P	NR_002207.1	-1.53	-0.61	10.4	11.01	1.76E-06	0.0000128
ILMN_2108357	RPL39L	NM_052969.1	-1.66	-0.73	10.76	11.49	1.77E-06	0.0000129
ILMN_1694890	UIP1	NM_207107.2	-1.73	-0.79	8.34	9.12	1.77E-06	0.0000129
ILMN_1773959	ST6GALNAC	NM_030965.1	-1.97	-0.98	10.34	11.32	1.78E-06	0.000013
ILMN_1743753	IFT81	NM_031473.2	-1.62	-0.7	9.91	10.61	1.79E-06	0.000013
ILMN_1813763	SLC20A2	NM_006749.3	-1.53	-0.61	11.23	11.85	0.0000018	0.0000131
ILMN_1716089	ANKRD25	NM_015493.4	-1.64	-0.71	9.62	10.33	1.82E-06	0.0000132
ILMN_1655684	SARS2	NM_017827.2	-1.64	-0.71	10.72	11.44	1.82E-06	0.0000132
ILMN_2326712	BACE2	NM_138991.1	-1.83	-0.87	9.65	10.52	1.83E-06	0.0000133
ILMN_1727200	SLCO4A1	NM_016354.3	-1.58	-0.66	7.81	8.47	1.83E-06	0.0000133
ILMN_2210482	MRPS34	NM_023936.1	-1.69	-0.76	10.81	11.57	1.84E-06	0.0000134
ILMN_2106167	RAP1GDS1	NM_021159.3	-1.80	-0.85	9.88	10.73	1.85E-06	0.0000134
ILMN_1722742	SCLY	NM_016510.3	-1.60	-0.68	8.99	9.67	1.87E-06	0.0000136
ILMN_2215881	FAM7A2	NM_001039841.1	-1.84	-0.88	8.16	9.04	1.87E-06	0.0000136
ILMN_1807833	HM13	NM_030789.2	-1.52	-0.6	11.16	11.75	1.88E-06	0.0000136
ILMN_1714515	MRPS12	NM_033363.1	-1.84	-0.88	10.85	11.73	1.88E-06	0.0000136
ILMN_1756408	PARVA	NM_018222.2	-1.51	-0.59	9.64	10.23	1.89E-06	0.0000137
ILMN_1741801	CDC7	NM_003503.2	-1.87	-0.9	9.52	10.42	0.0000019	0.0000137
ILMN_1809866	WDR74	XM_936269.1	-1.69	-0.76	10.6	11.36	1.91E-06	0.0000138
ILMN_2067709	TFB2M	NM_022366.1	-1.56	-0.64	10.65	11.3	1.92E-06	0.0000139
ILMN_1796830	UBE2L3	NM_198157.1	-1.79	-0.84	8.15	8.99	1.92E-06	0.0000139
ILMN_1693878	GMPPA	NM_205847.1	-1.79	-0.84	8.84	9.68	1.93E-06	0.0000139
ILMN_2412384	CCNE2	NM_057735.1	-1.66	-0.73	11.13	11.87	1.93E-06	0.0000139
ILMN_1772278	TANC1	NM_033394.1	-1.66	-0.73	11.4	12.13	1.94E-06	0.000014
ILMN_1656248	ASAM	NM_024769.2	-1.88	-0.91	7.5	8.4	1.94E-06	0.000014
ILMN_1719165	BRMS1	NM_015399.3	-1.66	-0.73	10.38	11.11	1.94E-06	0.000014
ILMN_1653878	CACNB2	NM_201572.1	-2.11	-1.08	8.43	9.51	0.000002	0.0000144
ILMN_1652580	POLD1	NM_002691.1	-1.80	-0.85	9.64	10.5	2.01E-06	0.0000144

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ILMN_2387919	PRKAG2	NM_001040633.1	-1.69	-0.76	8.58	9.34	2.01E-06	0.0000144
ILMN_1711904	MXD3	NM_031300.2	-1.74	-0.8	9.95	10.76	2.02E-06	0.0000145
ILMN_1716071	PAQR3	NM_177453.2	-1.59	-0.67	10.93	11.6	2.04E-06	0.0000146
ILMN_1703826	UNC5D	NM_080872.1	-2.33	-1.22	8.6	9.82	2.05E-06	0.0000147
ILMN_1672022	EPHA4	NM_004438.3	-2.00	-1	9.91	10.91	2.05E-06	0.0000147
ILMN_2413650	STIL	NM_003035.2	-2.41	-1.27	9.85	11.11	2.07E-06	0.0000148
ILMN_2370464	TREX1	NM_032166.2	-1.54	-0.62	10.03	10.65	2.11E-06	0.0000151
ILMN_1785393	ADAM12	NM_021641.2	-2.14	-1.1	7.51	8.61	2.12E-06	0.0000151
ILMN_2316918	PANK1	NM_138316.2	-1.55	-0.63	10.63	11.26	2.13E-06	0.0000152
ILMN_1679438	MLF1IP	NM_024629.2	-2.04	-1.03	8.85	9.87	2.15E-06	0.0000153
ILMN_1682857	MIMITIN	NM_174889.2	-1.60	-0.68	11.59	12.27	2.16E-06	0.0000154
ILMN_1721626	ARID5B	NM_032199.1	-1.54	-0.62	13.01	13.63	2.18E-06	0.0000155
ILMN_1671267	NF2	NM_181831.1	-2.08	-1.06	8.34	9.4	2.19E-06	0.0000156
ILMN_2085862	SLC15A3	NM_016582.1	-1.79	-0.84	8.11	8.95	2.23E-06	0.0000158
ILMN_2414325	TNFAIP8	NM_001077654.1	-1.60	-0.68	8.06	8.74	2.23E-06	0.0000158
ILMN_1655924	TRNT1	NM_182916.1	-1.56	-0.64	9.93	10.57	2.25E-06	0.000016
ILMN_1669617	GRB10	NM_005311.3	-1.51	-0.59	11.05	11.64	2.26E-06	0.000016
ILMN_1726030	GPX7	NM_015696.2	-1.49	-0.58	11.16	11.74	2.28E-06	0.0000161
ILMN_2400322	DYRK3	NM_003582.2	-1.85	-0.89	8.83	9.72	2.28E-06	0.0000161
ILMN_1778238	C17ORF40	NM_018428.2	-1.49	-0.58	11.46	12.04	2.29E-06	0.0000162
ILMN_1721712	SYNGR1	NM_145731.2	-1.65	-0.72	8.65	9.36	0.0000023	0.0000163
ILMN_1811258	RELB	NM_006509.2	-1.55	-0.63	8.36	8.99	2.33E-06	0.0000164
ILMN_1757732	C8ORF1	NM_004337.1	-1.54	-0.62	10.39	11.01	2.35E-06	0.0000166
ILMN_1802951	CDCA1	NM_145697.1	-2.06	-1.04	8.41	9.45	2.38E-06	0.0000168
ILMN_1806275	LOC113179	NM_138422.1	-1.88	-0.91	8.94	9.85	2.42E-06	0.0000171
ILMN_1808110	TCEB3	NM_003198.1	-1.66	-0.73	10.36	11.08	2.46E-06	0.0000173
ILMN_1742824	SPATA13	NM_153023.1	-1.72	-0.78	8.63	9.42	2.47E-06	0.0000173
ILMN_1720889	SC4MOL	NM_006745.3	-2.10	-1.07	12.14	13.21	2.48E-06	0.0000174
ILMN_2371379	ACLY	NM_198830.1	-1.64	-0.71	13.4	14.11	2.56E-06	0.0000179
ILMN_1790562	EYA3	NM_172098.1	-1.62	-0.7	8.47	9.17	2.59E-06	0.0000181
ILMN_1652913	EZH2	NM_004456.3	-1.64	-0.71	10.83	11.54	2.61E-06	0.0000182
ILMN_1810875	SYNGR1	NM_145738.1	-1.78	-0.83	8.5	9.33	2.64E-06	0.0000184
ILMN_2387090	CGGBP1	NM_003663.3	-1.58	-0.66	11.58	12.24	2.68E-06	0.0000187
ILMN_2131336	KIAA0286	NM_015257.1	-1.66	-0.73	10.52	11.25	2.71E-06	0.0000189
ILMN_2103720	MRPL15	NM_014175.2	-1.60	-0.68	10.99	11.67	2.72E-06	0.0000189
ILMN_1670809	NRM	NM_007243.1	-1.61	-0.69	10.19	10.88	2.77E-06	0.0000192
ILMN_2061452	ORC2L	NM_006190.3	-1.61	-0.69	10.19	10.88	2.78E-06	0.0000193
ILMN_1691809	PSMA1	NM_002786.2	-1.52	-0.6	11.19	11.8	2.79E-06	0.0000193
ILMN_1787919	PARVB	NM_013327.3	-1.89	-0.92	7.55	8.46	2.82E-06	0.0000195
ILMN_1719205	FBL	NM_001436.2	-1.52	-0.6	12.79	13.39	2.83E-06	0.0000196
ILMN_1811650	DUS2L	NM_017803.3	-1.54	-0.62	10.21	10.83	2.86E-06	0.0000198
ILMN_1680850	RECQL	NM_002907.2	-1.65	-0.72	10.06	10.78	2.89E-06	0.0000199
ILMN_1769883	IDE	NM_004969.1	-2.25	-1.17	9.52	10.69	2.89E-06	0.00002

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ILMN_1704656	PPP2R1B	NM_181699.1	-1.92	-0.94	9.62	10.55	2.93E-06	0.0000202
ILMN_2228035	HS3ST1	NM_005114.2	-1.64	-0.71	8.42	9.14	2.93E-06	0.0000202
ILMN_1792107	ERCC8	NM_001007234.1	-1.56	-0.64	9.52	10.16	2.95E-06	0.0000203
ILMN_1768393	SNRPD1	NM_006938.2	-1.57	-0.65	10.52	11.16	2.95E-06	0.0000203
ILMN_1691111	MGC26885	NM_152339.2	-1.57	-0.65	10.63	11.28	2.97E-06	0.0000205
ILMN_1689156	MMAB	NM_052845.2	-1.52	-0.6	9.63	10.24	2.98E-06	0.0000205
ILMN_2169439	ITGAV	NM_002210.2	-1.65	-0.72	11.87	12.59	2.99E-06	0.0000205
ILMN_1659725	EXOSC5	NM_020158.3	-1.56	-0.64	10.36	11	3.09E-06	0.0000212
ILMN_1785060	TSPAN14	NM_030927.1	-1.62	-0.7	10.2	10.91	3.12E-06	0.0000213
ILMN_1765493	SHKBP1	NM_138392.1	-1.59	-0.67	9.09	9.76	3.15E-06	0.0000215
ILMN_2349129	DPP3	NM_005700.3	-1.62	-0.7	10.95	11.65	3.16E-06	0.0000215
ILMN_2412244	NF2	NM_181828.1	-1.78	-0.83	7.85	8.68	3.18E-06	0.0000217
ILMN_1681118	C1QDC1	NM_023925.3	-1.57	-0.65	10.55	11.2	0.0000032	0.0000218
ILMN_1767324	EIF4EBP1	NM_004095.2	-1.65	-0.72	8.71	9.43	3.26E-06	0.0000222
ILMN_1687018	GAS7	NM_201432.1	-1.65	-0.72	7.5	8.22	3.28E-06	0.0000223
ILMN_2205245	ATPBD1B	NM_018066.3	-1.49	-0.58	11.14	11.72	3.29E-06	0.0000224
ILMN_2143155	KIF11	NM_004523.2	-2.36	-1.24	9.73	10.98	0.0000033	0.0000224
ILMN_2277523	DIP2A	NM_206890.1	-1.64	-0.71	8.68	9.4	3.33E-06	0.0000226
ILMN_2388874	GRHL3	NM_021180.2	-1.72	-0.78	7.8	8.59	3.33E-06	0.0000226
ILMN_2099315	TRPM8	NM_024080.4	-1.93	-0.95	10.77	11.72	3.37E-06	0.0000229
ILMN_1785252	SLC26A6	NM_134426.2	-1.75	-0.81	10.03	10.85	3.38E-06	0.000023
ILMN_2383774	TRAF3	NM_003300.2	-1.77	-0.82	7.9	8.72	3.41E-06	0.0000231
ILMN_1792168	GALE	NM_000403.3	-1.74	-0.8	10.09	10.89	3.46E-06	0.0000234
ILMN_2194828	C16ORF53	NM_024516.2	-1.57	-0.65	11.52	12.17	3.46E-06	0.0000234
ILMN_2370772	EIF4G1	NM_198244.1	-1.56	-0.64	11.31	11.95	3.55E-06	0.000024
ILMN_1703718	CCT7	NM_006429.2	-1.55	-0.63	12.52	13.15	3.56E-06	0.000024
ILMN_2116075	TRUB2	NM_015679.1	-1.61	-0.69	8.61	9.3	3.63E-06	0.0000245
ILMN_1726104	C11ORF51	NM_014042.1	-1.57	-0.65	10.36	11.01	3.63E-06	0.0000245
ILMN_1691007	ADPN	NM_025225.2	-1.62	-0.7	7.22	7.93	3.73E-06	0.0000251
ILMN_2104924	C21ORF70	NM_058190.2	-2.20	-1.14	9.75	10.9	3.73E-06	0.0000251
ILMN_1668035	CRH	NM_000756.1	-1.99	-0.99	9.6	10.59	3.75E-06	0.0000252
ILMN_2278729	EIF3S9	NM_001037283.1	-1.52	-0.6	10.87	11.47	3.78E-06	0.0000254
ILMN_1742764	UPP1	NM_181597.1	-1.69	-0.76	7.61	8.38	3.86E-06	0.0000259
ILMN_1763260	HIF1A	NM_001530.2	-1.89	-0.92	11.1	12.02	0.0000039	0.0000261
ILMN_1754860	MRPS12	NM_021107.1	-1.91	-0.93	8.89	9.82	3.95E-06	0.0000264
ILMN_1707356	CFL2	NM_138638.1	-1.65	-0.72	9.31	10.03	3.95E-06	0.0000264
ILMN_1753016	MRPL35	NM_016622.2	-1.51	-0.59	10.48	11.07	3.98E-06	0.0000266
ILMN_1675448	ZFP36L1	NM_004926.2	-1.84	-0.88	9.66	10.54	4.02E-06	0.0000268
ILMN_2365544	NOLA2	NM_001034833.1	-1.59	-0.67	12.35	13.02	4.04E-06	0.0000269
ILMN_1721316	TNFRSF10A	NM_003844.2	-1.71	-0.77	7.35	8.13	4.06E-06	0.0000271
ILMN_1710216	AVEN	NM_020371.2	-2.11	-1.08	8.64	9.72	4.13E-06	0.0000275
ILMN_1771149	MRPL19	NM_014763.2	-1.65	-0.72	9.29	10.01	4.24E-06	0.0000282
ILMN_1738027	BRCA1	NM_007301.2	-2.48	-1.31	8.77	10.08	4.25E-06	0.0000283

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ILMN_1812580	LOC150223	NM_001017964.1	-1.62	-0.7	9.1	9.8	4.29E-06	0.0000285
ILMN_2257607	STARD13	NM_178006.1	-1.65	-0.72	7.76	8.48	4.44E-06	0.0000294
ILMN_2204876	C14ORF58	NM_017791.1	-1.55	-0.63	9.13	9.77	4.45E-06	0.0000295
ILMN_1722292	KIAA0241	NM_015060.1	-1.78	-0.83	8.65	9.48	4.48E-06	0.0000296
ILMN_2310295	C21ORF58	NM_199071.2	-1.79	-0.84	7.86	8.7	4.53E-06	0.0000299
ILMN_1742738	C1ORF190	NM_001013615.1	-1.71	-0.77	8.78	9.55	0.0000046	0.0000304
ILMN_1776861	HAP1	NM_003949.2	-2.07	-1.05	8.45	9.49	4.62E-06	0.0000305
ILMN_1700413	MAFF	NM_012323.2	-1.64	-0.71	10.03	10.74	4.64E-06	0.0000306
ILMN_2297626	PEG10	NM_001040152.1	-2.04	-1.03	10.94	11.98	4.65E-06	0.0000306
ILMN_2103685	DEPDC1B	NM_018369.1	-2.33	-1.22	8.04	9.26	0.0000047	0.0000309
ILMN_1798327	PAQR9	NM_198504.1	-1.79	-0.84	7.53	8.37	4.72E-06	0.0000311
ILMN_2316778	ETNK1	NM_001039481.1	-2.06	-1.04	8.49	9.53	4.78E-06	0.0000315
ILMN_2388701	ST3GAL5	NM_001042437.1	-1.51	-0.59	10.74	11.33	0.0000048	0.0000315
ILMN_1730523	MGC15416	NM_138418.2	-1.74	-0.8	10.31	11.11	4.81E-06	0.0000316
ILMN_1769931	SFPQ	NM_005066.1	-1.77	-0.82	9.01	9.83	4.89E-06	0.0000321
ILMN_1730032	BOK	NM_032515.3	-1.56	-0.64	9.54	10.19	4.89E-06	0.0000321
ILMN_1779213	TFG	NM_006070.4	-1.52	-0.6	10.46	11.06	0.0000049	0.0000321
ILMN_1664111	RFFL	NM_001017368.1	-1.65	-0.72	7.6	8.32	0.0000051	0.0000333
ILMN_2139125	LRFN5	NM_152447.2	-2.07	-1.05	9.01	10.06	5.17E-06	0.0000337
ILMN_1667707	SPCS3	NM_021928.1	-1.61	-0.69	10.12	10.81	5.21E-06	0.0000339
ILMN_1775330	FLJ43339	NM_207380.1	-1.54	-0.62	11.98	12.6	5.22E-06	0.000034
ILMN_1739154	LSAMP	NM_002338.2	-1.64	-0.71	10.1	10.81	5.26E-06	0.0000342
ILMN_1751289	DERPC	NM_017804.3	-1.71	-0.77	8.75	9.52	5.26E-06	0.0000342
ILMN_1755862	PFAS	NM_012393.1	-1.79	-0.84	10.62	11.46	0.0000053	0.0000344
ILMN_2345015	PTGES2	NM_198938.1	-1.49	-0.58	11.83	12.41	5.37E-06	0.0000349
ILMN_1710406	LOC643668	XM_928629.1	-1.53	-0.61	14	14.61	5.38E-06	0.0000349
ILMN_1788607	RPL23A	NM_000984.4	-1.62	-0.7	11.54	12.24	5.39E-06	0.000035
ILMN_1672393	CUL7	NM_014780.3	-1.52	-0.6	7.97	8.57	5.41E-06	0.0000351
ILMN_1662910	SFXN3	NM_030971.3	-1.68	-0.75	8.7	9.45	5.43E-06	0.0000352
ILMN_1656521	CGI-96	NM_015703.3	-1.96	-0.97	9.46	10.43	5.47E-06	0.0000354
ILMN_2414366	HTATIP	NM_182709.1	-1.62	-0.7	7.72	8.42	5.48E-06	0.0000355
ILMN_1658926	NOTCH3	NM_000435.1	-1.56	-0.64	10.86	11.49	0.0000056	0.0000362
ILMN_1695020	NEK3	NM_002498.2	-1.64	-0.71	9.62	10.32	5.82E-06	0.0000375
ILMN_1719611	CCT6A	NM_001762.3	-1.97	-0.98	11.6	12.58	5.83E-06	0.0000376
ILMN_1673711	HSP90AB1	NM_007355.2	-1.52	-0.6	14.19	14.8	5.84E-06	0.0000376
ILMN_2404112	TRDMT1	NM_176083.2	-1.75	-0.81	8.19	9	5.87E-06	0.0000378
ILMN_1764320	C8ORF58	NM_001013842.1	-1.64	-0.71	9.01	9.72	5.93E-06	0.0000381
ILMN_1795561	CAMK1D	NM_020397.2	-1.51	-0.59	9.43	10.02	5.98E-06	0.0000384
ILMN_2224444	SNX25	NM_031953.2	-1.58	-0.66	10.05	10.72	6.02E-06	0.0000386
ILMN_2050617	CCT6AP1	NR_003110.2	-1.69	-0.76	11.56	12.31	6.03E-06	0.0000386
ILMN_2048591	LRRN3	NM_018334.3	-1.74	-0.8	10.98	11.78	6.06E-06	0.0000388
ILMN_2243697	ZDHHC13	NM_019028.2	-1.51	-0.59	9.02	9.61	6.08E-06	0.0000389
ILMN_1736042	ME1	NM_002395.2	-2.41	-1.27	8.45	9.73	0.0000061	0.0000391

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ILMN_1696183	HBQ1	NM_005331.3	-1.93	-0.95	8.74	9.7	6.11E-06	0.0000391
ILMN_1779711	DTL	NM_016448.1	-2.50	-1.32	9.02	10.34	6.15E-06	0.0000394
ILMN_1656185	FLJ20186	NM_017702.2	-1.49	-0.58	11.14	11.72	6.19E-06	0.0000396
ILMN_1705244	DNAH11	NM_003777.2	-1.58	-0.66	7.09	7.75	0.0000063	0.0000402
ILMN_2379393	ASL	NM_001024943.1	-1.87	-0.9	8.6	9.5	6.33E-06	0.0000404
ILMN_2352216	FBXL6	NM_024555.3	-1.62	-0.7	10	10.7	6.38E-06	0.0000407
ILMN_1789418	GSTT2	NM_000854.2	-1.83	-0.87	9.39	10.26	6.39E-06	0.0000407
ILMN_2316540	MRPL11	NM_016050.2	-1.49	-0.58	12.07	12.65	6.48E-06	0.0000413
ILMN_1673548	HSPC159	NM_014181.1	-1.73	-0.79	9.15	9.94	6.54E-06	0.0000416
ILMN_2340935	WBP5	NM_001006614.1	-1.60	-0.68	10.04	10.73	6.62E-06	0.000042
ILMN_1674811	OASL	NM_003733.2	-1.78	-0.83	7.78	8.62	6.65E-06	0.0000422
ILMN_1676864	DDX31	NM_138620.1	-1.75	-0.81	8.76	9.57	6.68E-06	0.0000424
ILMN_1692790	ITGB3BP	NM_014288.3	-2.10	-1.07	7.4	8.47	6.84E-06	0.0000434
ILMN_1771003	C14ORF94	NM_017815.1	-1.52	-0.6	10.42	11.02	6.85E-06	0.0000434
ILMN_1655867	HRASLS	NM_020386.2	-1.80	-0.85	9.76	10.61	6.86E-06	0.0000435
ILMN_1744240	WDR67	NM_145647.1	-1.60	-0.68	9.55	10.23	6.97E-06	0.000044
ILMN_2131493	VISA	NM_020746.2	-1.74	-0.8	8.49	9.28	0.000007	0.0000442
ILMN_2350634	EFEMP1	NM_001039348.1	-1.54	-0.62	14.03	14.65	7.14E-06	0.000045
ILMN_1672741	ITSN1	NM_001001132.1	-1.71	-0.77	8.85	9.62	7.24E-06	0.0000456
ILMN_1658327	BAZ1A	NM_013448.2	-1.77	-0.82	9.44	10.27	7.29E-06	0.0000458
ILMN_2265654	UBE2C	NM_181799.1	-1.58	-0.66	8.51	9.17	7.44E-06	0.0000467
ILMN_1779343	SNCB	XM_936492.1	-2.01	-1.01	7.84	8.85	7.45E-06	0.0000467
ILMN_2273921	RAD51L3	NM_002878.2	-1.69	-0.76	8.01	8.77	7.54E-06	0.0000472
ILMN_1651788	MAP3K11	NM_002419.3	-1.56	-0.64	9.71	10.34	7.55E-06	0.0000473
ILMN_1700822	DPP3	NM_130443.1	-1.52	-0.6	10.37	10.97	7.61E-06	0.0000476
ILMN_2205211	LOC134997	NR_000030.1	-1.93	-0.95	13.64	14.59	7.67E-06	0.0000479
ILMN_1795275	USP53	NM_019050.1	-1.67	-0.74	7.71	8.45	7.75E-06	0.0000483
ILMN_2114568	GBP5	NM_052942.2	-1.65	-0.72	7.56	8.28	7.75E-06	0.0000483
ILMN_2252160	UBC	NM_021009.3	-1.88	-0.91	8.24	9.15	0.0000078	0.0000486
ILMN_1747506	DHX34	NM_194428.1	-1.54	-0.62	9.64	10.26	7.87E-06	0.000049
ILMN_1753110	ZMYND11	NM_212479.1	-1.59	-0.67	7.79	8.46	7.94E-06	0.0000494
ILMN_1783629	C10ORF93	XM_945168.1	-1.61	-0.69	7.7	8.39	8.05E-06	0.0000499
ILMN_1680320	GBX2	NM_001485.2	-2.03	-1.02	8.38	9.4	8.05E-06	0.0000499
ILMN_1811006	E2F8	NM_024680.2	-1.65	-0.72	7.64	8.35	8.06E-06	0.00005
ILMN_1758852	ENTPD7	NM_020354.2	-1.84	-0.88	8.61	9.49	8.15E-06	0.0000504
ILMN_1752343	FAM13C1	NM_198215.2	-1.69	-0.76	8.29	9.05	8.33E-06	0.0000514
ILMN_1774207	ANGPT2	NM_001147.1	-1.74	-0.8	7.76	8.56	8.46E-06	0.0000521
ILMN_1666022	TNFRSF10D	NM_003840.3	-1.69	-0.76	7.5	8.26	0.0000085	0.0000524
ILMN_2072296	CKS2	NM_001827.1	-1.71	-0.77	12.17	12.94	0.0000085	0.0000524
ILMN_2109708	ECGF1	NM_001953.2	-2.27	-1.18	9.04	10.22	8.52E-06	0.0000525
ILMN_1658695	NUF2	NM_031423.3	-2.11	-1.08	7.94	9.02	8.59E-06	0.0000529
ILMN_1684694	ANK1	NM_020480.2	-2.13	-1.09	8.03	9.11	8.63E-06	0.000053
ILMN_1696187	PYGL	NM_002863.3	-1.73	-0.79	10.34	11.13	8.76E-06	0.0000538

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ILMN_1771738	ARL5	NM_012097.2	-1.54	-0.62	10.02	10.63	8.83E-06	0.0000542
ILMN_1779428	LOC387856	NM_001013635.2	-1.51	-0.59	9.61	10.2	8.87E-06	0.0000544
ILMN_1657317	POLR2J	NM_006234.4	-1.71	-0.77	9.44	10.21	8.89E-06	0.0000545
ILMN_1756814	PTPRE	NM_006504.3	-1.85	-0.89	9.37	10.26	9.06E-06	0.0000555
ILMN_1803728	SLC35E4	NM_001001479.1	-1.96	-0.97	8.43	9.41	9.19E-06	0.0000562
ILMN_1712184	HIST1H3C	NM_003531.2	-2.08	-1.06	8.27	9.33	9.37E-06	0.0000572
ILMN_1760802	MRE11A	NM_005590.3	-1.80	-0.85	8.69	9.54	9.51E-06	0.000058
ILMN_1690454	C3ORF54	NM_203370.1	-1.55	-0.63	8.28	8.91	9.69E-06	0.0000589
ILMN_1786036	GPATC2	NM_018040.1	-1.62	-0.7	9.17	9.87	9.81E-06	0.0000596
ILMN_1697864	CXORF38	NM_144970.1	-1.60	-0.68	9.99	10.67	9.81E-06	0.0000596
ILMN_1706958	PCNA	NM_182649.1	-1.72	-0.78	9.27	10.06	9.85E-06	0.0000598
ILMN_2133799	ACAT2	NM_005891.1	-1.91	-0.93	7.36	8.29	9.91E-06	0.0000601
ILMN_1690138	PHF10	NM_133325.1	-1.49	-0.58	9.64	10.22	9.93E-06	0.0000602
ILMN_1697510	ACSS2	NM_018677.2	-1.62	-0.7	8.25	8.95	0.0000101	0.0000608
ILMN_2362902	RASSF5	NM_182664.2	-1.83	-0.87	8.32	9.18	0.0000101	0.0000608
ILMN_1718334	ITPA	NM_181493.1	-1.66	-0.73	11.54	12.26	0.0000101	0.0000611
ILMN_1731714	CREB5	NM_182898.2	-1.85	-0.89	10	10.89	0.0000102	0.0000614
ILMN_1774836	PLOD3	NM_001084.4	-1.67	-0.74	12.18	12.93	0.0000106	0.0000636
ILMN_1719870	FAM72A	NM_207418.2	-1.65	-0.72	8	8.73	0.0000107	0.0000644
ILMN_2135984	MASTL	NM_032844.1	-1.91	-0.93	8.04	8.98	0.0000108	0.0000646
ILMN_1711886	ALG3	NM_001006940.1	-1.53	-0.61	10.8	11.41	0.0000109	0.0000654
ILMN_2302075	MSI2	NM_138962.2	-1.55	-0.63	9.38	10.01	0.0000111	0.0000665
ILMN_1716384	ARL6IP2	NM_022374.1	-1.55	-0.63	9.71	10.34	0.0000111	0.0000665
ILMN_1763627	TNPO1	NM_153188.1	-1.74	-0.8	9.71	10.51	0.0000112	0.000067
ILMN_1716895	RPA3	NM_002947.3	-1.53	-0.61	12.16	12.76	0.0000114	0.0000678
ILMN_1741502	SLC2A13	NM_052885.1	-1.61	-0.69	7.49	8.18	0.0000115	0.0000688
ILMN_1733107	NOC4L	NM_024078.1	-1.56	-0.64	9.51	10.15	0.0000117	0.0000695
ILMN_1685109	POLR3D	NM_001722.2	-1.66	-0.73	9.3	10.03	0.0000117	0.0000699
ILMN_1676423	CCNC	NM_005190.3	-1.58	-0.66	9.97	10.63	0.0000118	0.0000703
ILMN_1774602	FBLN2	NM_001004019.1	-1.58	-0.66	8.38	9.04	0.000012	0.0000716
ILMN_1665435	GPR30	NM_001505.1	-1.61	-0.69	8.1	8.78	0.0000121	0.0000719
ILMN_1667201	WDR51B	NM_172240.1	-1.77	-0.82	9.29	10.1	0.0000122	0.0000721
ILMN_1696659	THSD1	NM_018676.2	-1.92	-0.94	7.7	8.64	0.0000122	0.0000721
ILMN_1789504	PTPN9	NM_002833.2	-1.74	-0.8	8.31	9.11	0.0000123	0.0000729
ILMN_1674390	PRKAR1B	NM_002735.1	-1.59	-0.67	10.05	10.71	0.0000125	0.0000739
ILMN_1715969	SLC25A37	NM_016612.1	-1.59	-0.67	9.87	10.54	0.0000125	0.000074
ILMN_1724148	FLJ14466	NM_032790.2	-1.78	-0.83	9.2	10.03	0.0000126	0.0000744
ILMN_1803956	BOC	NM_033254.2	-1.96	-0.97	9.67	10.64	0.0000126	0.0000745
ILMN_2349658	TSPO	NM_007311.3	-1.54	-0.62	10.89	11.51	0.0000127	0.0000749
ILMN_2377733	CASP8	NM_033355.3	-1.71	-0.77	7.53	8.3	0.0000128	0.0000752
ILMN_1664516	CENPF	NM_016343.3	-1.68	-0.75	11.41	12.16	0.0000129	0.0000758
ILMN_1760866	C9ORF4	NM_014334.1	-1.51	-0.59	9.33	9.92	0.000013	0.0000763
ILMN_1691572	TST	NM_003312.4	-1.53	-0.61	12.62	13.24	0.000013	0.0000766

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ILMN_2358980	ILK	NM_001014794.1	-1.72	-0.78	9.68	10.46	0.0000131	0.0000769
ILMN_1677793	P2RX5	NM_175081.1	-1.80	-0.85	7.1	7.95	0.0000131	0.0000772
ILMN_1813701	RASAL2	NM_170692.1	-2.10	-1.07	8.65	9.72	0.0000132	0.0000776
ILMN_2379788	HIF1A	NM_181054.1	-1.93	-0.95	9.08	10.04	0.0000134	0.0000787
ILMN_1685480	TARS	NM_152295.3	-1.85	-0.89	11.48	12.37	0.0000137	0.0000798
ILMN_1690371	MRPL11	NM_016050.2	-1.51	-0.59	11.29	11.88	0.0000137	0.00008
ILMN_1708059	USP13	NM_003940.1	-1.55	-0.63	10.47	11.1	0.0000139	0.0000811
ILMN_1740737	DCPS	NM_014026.3	-1.55	-0.63	10.42	11.06	0.000014	0.0000816
ILMN_2348146	ERCC8	NM_000082.2	-1.54	-0.62	9.26	9.88	0.000014	0.0000818
ILMN_1730047	LOC650000	XM_942166.1	-1.65	-0.72	7.13	7.85	0.0000143	0.000083
ILMN_1777074	DNAH9	NM_001372.2	-1.65	-0.72	8.11	8.83	0.0000143	0.0000834
ILMN_1710124	CMTM8	NM_178868.3	-1.77	-0.82	9.05	9.86	0.0000144	0.000084
ILMN_2301725	PDE8B	NM_001029851.1	-1.93	-0.95	9.04	9.99	0.0000146	0.0000848
ILMN_1659464	NYD-SP18	NM_032599.1	-1.53	-0.61	7.69	8.3	0.0000148	0.0000859
ILMN_2290068	VAV3	NM_006113.4	-1.56	-0.64	7.93	8.56	0.0000153	0.0000885
ILMN_2393296	GK	NM_203391.1	-1.64	-0.71	8.79	9.5	0.0000156	0.0000903
ILMN_1704247	LAMA3	NM_000227.2	-1.79	-0.84	7.84	8.68	0.0000157	0.0000906
ILMN_1784467	NUP210	NM_024923.2	-1.66	-0.73	9.04	9.77	0.0000158	0.000091
ILMN_2345824	PCDHGC3	NM_002588.2	-1.53	-0.61	9.4	10.02	0.0000159	0.0000918
ILMN_1779184	LOC348180	XM_939188.1	-1.56	-0.64	9.38	10.02	0.000016	0.0000924
ILMN_1803570	BRI3BP	NM_080626.5	-1.64	-0.71	8.05	8.76	0.0000161	0.0000926
ILMN_1770038	LAMA1	NM_005559.2	-1.69	-0.76	7.19	7.95	0.0000162	0.0000935
ILMN_1684440	PXN	NM_002859.1	-1.83	-0.87	8.68	9.55	0.0000164	0.0000941
ILMN_1710727	GSH2	NM_133267.1	-1.60	-0.68	7.99	8.67	0.0000164	0.0000944
ILMN_1680682	TADA2L	NM_133439.2	-1.52	-0.6	8.21	8.81	0.0000165	0.0000948
ILMN_1670506	AMMECR1	NM_015365.2	-1.65	-0.72	7.34	8.06	0.000017	0.0000975
ILMN_2311089	BRCA1	NM_007304.2	-2.30	-1.2	8.58	9.78	0.0000172	0.0000987
ILMN_1813314	H2BFS	NM_017445.1	-1.75	-0.81	10.61	11.42	0.0000173	0.0000989
ILMN_1763162	DPH2	NM_001384.3	-1.68	-0.75	8.69	9.44	0.0000173	0.0000992
ILMN_1678054	TRIM21	NM_003141.3	-1.53	-0.61	8.97	9.58	0.0000173	0.0000992
ILMN_2375386	RNPS1	NM_080594.1	-1.51	-0.59	9.82	10.41	0.0000175	0.0000999
ILMN_1694100	PRIM2A	NM_000947.2	-1.57	-0.65	7.39	8.04	0.0000178	0.0001
ILMN_1732750	CHCHD8	NM_016565.2	-1.51	-0.59	10.44	11.04	0.0000181	0.0001
ILMN_2096784	TFAP2C	NM_003222.3	-1.52	-0.6	7.32	7.91	0.0000181	0.0001
ILMN_1701441	EDG2	NM_001401.3	-1.68	-0.75	7.53	8.27	0.0000182	0.0001
ILMN_1720498	LOC144404	XM_084852.11	-1.55	-0.63	8.14	8.77	0.0000183	0.0001
ILMN_1701195	PLA2G7	NM_005084.2	-1.82	-0.86	7.51	8.38	0.0000184	0.0001
ILMN_2119421	LOC143543	NR_002197.1	-1.62	-0.7	8.59	9.29	0.0000186	0.00011
ILMN_1671250	LOC649708	XM_938776.1	-1.54	-0.62	10.14	10.75	0.0000194	0.00011
ILMN_1727156	ARSI	NM_001012301.1	-1.79	-0.84	8.09	8.93	0.0000194	0.00011
ILMN_2411559	PUS1	NM_001002019.1	-2.08	-1.06	8.87	9.94	0.0000194	0.00011
ILMN_1681160	LOC441244	XM_943658.1	-1.64	-0.71	7.33	8.05	0.0000195	0.00011
ILMN_2061405	NUP54	NM_017426.2	-1.73	-0.79	10.86	11.64	0.0000197	0.00011

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ILMN_1690733	EGF	NM_001963.2	-1.58	-0.66	7.9	8.55	0.00002	0.00011
ILMN_1808861	LOC653803	XM_376278.3	-1.73	-0.79	8.51	9.3	0.00002	0.00011
ILMN_1654074	ITGA3	NM_002204.1	-1.55	-0.63	7.95	8.58	0.0000205	0.00012
ILMN_2350607	C20ORF7	NM_024120.3	-1.53	-0.61	9.88	10.5	0.0000206	0.00012
ILMN_2093720	THG1L	NM_017872.3	-1.56	-0.64	9.26	9.9	0.0000211	0.00012
ILMN_1812559	SLC7A6	NM_003983.3	-1.79	-0.84	9.09	9.94	0.0000217	0.00012
ILMN_1815184	ASPM	NM_018136.2	-2.00	-1	10.02	11.02	0.0000217	0.00012
ILMN_1732873	IPPK	NM_022755.4	-1.54	-0.62	8.98	9.6	0.0000219	0.00012
ILMN_1686920	CCDC58	NM_001017928.2	-1.65	-0.72	9.59	10.31	0.0000219	0.00012
ILMN_1764596	MPST	NM_001013436.1	-1.51	-0.59	10.96	11.55	0.0000233	0.00013
ILMN_1732343	KIAA0999	NM_025164.3	-1.55	-0.63	11.39	12.02	0.0000233	0.00013
ILMN_1802523	HS3ST5	NM_153612.2	-1.67	-0.74	8.13	8.87	0.0000234	0.00013
ILMN_2234873	NME2	NM_001018138.1	-1.93	-0.95	9.68	10.63	0.0000241	0.00013
ILMN_2387553	PSMA3	NM_152132.1	-1.51	-0.59	11.99	12.59	0.0000246	0.00014
ILMN_2369756	CCDC46	NM_145036.2	-1.59	-0.67	8.95	9.62	0.0000247	0.00014
ILMN_1733419	CCNE1	NM_001238.1	-1.61	-0.69	7.47	8.16	0.0000248	0.00014
ILMN_2276431	DPH2	NM_001384.4	-1.79	-0.84	7.93	8.77	0.0000249	0.00014
ILMN_1767393	GRIA3	NM_181894.1	-1.65	-0.72	9.11	9.83	0.0000249	0.00014
ILMN_1761411	C10ORF119	NM_024834.1	-1.66	-0.73	8.65	9.38	0.0000252	0.00014
ILMN_2292963	UBE2D3	NM_181892.1	-1.54	-0.62	7.74	8.36	0.0000257	0.00014
ILMN_2233099	SSRP1	NM_003146.2	-1.52	-0.6	10.36	10.95	0.0000257	0.00014
ILMN_1710979	ANKRD39	NM_016466.4	-1.54	-0.62	10.16	10.78	0.0000259	0.00014
ILMN_1663447	HNRPA1	NM_002136.1	-1.51	-0.59	11.14	11.73	0.0000262	0.00014
ILMN_1721247	K6HF	NM_004693.1	-1.55	-0.63	7.21	7.84	0.0000268	0.00015
ILMN_1797301	C1ORF183	NM_019099.3	-1.69	-0.76	9.17	9.93	0.0000269	0.00015
ILMN_1668012	SLC25A13	NM_014251.1	-1.73	-0.79	10.32	11.11	0.0000277	0.00015
ILMN_2181060	CKAP2	NM_018204.2	-1.91	-0.93	9.42	10.34	0.0000277	0.00015
ILMN_2219199	FAM84A	NM_145175.1	-1.73	-0.79	8.57	9.36	0.0000285	0.00016
ILMN_1786658	BOLA3	NM_212552.1	-1.64	-0.71	12.67	13.38	0.0000289	0.00016
ILMN_1707634	MGC61571	NM_182523.1	-1.61	-0.69	10.24	10.93	0.0000294	0.00016
ILMN_1791796	MMP16	NM_022564.1	-1.59	-0.67	7.17	7.84	0.0000294	0.00016
ILMN_1743619	NEDD9	NM_182966.1	-1.66	-0.73	8.54	9.27	0.00003	0.00016
ILMN_1784294	CPA4	NM_016352.2	-1.69	-0.76	8.83	9.59	0.0000301	0.00016
ILMN_2319913	DGKA	NM_201554.1	-1.66	-0.73	9.54	10.28	0.0000303	0.00016
ILMN_1675428	PCDHGC3	NM_032402.1	-1.57	-0.65	8.57	9.22	0.0000304	0.00017
ILMN_2328378	OSBPL3	NM_145322.1	-1.87	-0.9	9.29	10.18	0.0000316	0.00017
ILMN_2343010	BOLA3	NM_212552.2	-1.62	-0.7	12.67	13.37	0.0000317	0.00017
ILMN_1680727	GLRX2	NM_016066.3	-2.13	-1.09	8.68	9.77	0.000032	0.00017
ILMN_2346769	C1ORF2	NM_198264.1	-1.71	-0.77	8.29	9.06	0.000032	0.00017
ILMN_1663425	MED12L	NM_053002.2	-1.58	-0.66	7.46	8.12	0.0000322	0.00017
ILMN_1728199	POLE	NM_006231.2	-1.99	-0.99	9	9.99	0.0000323	0.00017
ILMN_1722502	CCT6A	NM_001009186.1	-1.59	-0.67	11.89	12.57	0.0000328	0.00018
ILMN_1763972	TJP2	NM_004817.2	-1.62	-0.7	7.31	8.01	0.0000333	0.00018

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ILMN_1714600	NAV3	NM_014903.3	-1.67	-0.74	9.98	10.72	0.0000333	0.00018
ILMN_1717063	FBXO9	NM_033480.1	-1.71	-0.77	9.55	10.32	0.0000334	0.00018
ILMN_1775931	EPHA3	NM_005233.3	-1.64	-0.71	9.62	10.33	0.0000336	0.00018
ILMN_1665428	GSDMDC1	NM_024736.4	-1.51	-0.59	8.04	8.63	0.0000344	0.00018
ILMN_1688104	DNMT2	NM_176085.1	-1.51	-0.59	8.37	8.96	0.0000349	0.00019
ILMN_2108493	LOC144404	NM_001080825.1	-1.71	-0.77	7.86	8.62	0.0000358	0.00019
ILMN_2329165	MYO1C	NM_001080779.1	-1.56	-0.64	8.03	8.68	0.0000363	0.00019
ILMN_1654583	CHD1	NM_001270.2	-1.66	-0.73	10.47	11.2	0.0000372	0.0002
ILMN_1763537	LCTL	NM_207338.1	-2.06	-1.04	9.36	10.39	0.0000376	0.0002
ILMN_1692684	SMARCD2	NM_003077.2	-1.73	-0.79	8.28	9.07	0.0000377	0.0002
ILMN_1662358	MX1	NM_002462.2	-1.54	-0.62	9.17	9.79	0.000038	0.0002
ILMN_2231242	HMGB1	NM_002128.4	-1.73	-0.79	9.11	9.89	0.0000385	0.0002
ILMN_2280480	TCF19	NM_007109.2	-1.49	-0.58	8.13	8.71	0.0000387	0.00021
ILMN_1708375	IRF1	NM_002198.1	-1.58	-0.66	9.97	10.63	0.0000396	0.00021
ILMN_1791409	ITGA7	NM_002206.1	-1.58	-0.66	9.24	9.91	0.00004	0.00021
ILMN_1736460	MDM1	NM_017440.2	-1.49	-0.58	8.83	9.42	0.0000407	0.00021
ILMN_1803338	URB	NM_199511.1	-1.62	-0.7	8.84	9.53	0.0000411	0.00022
ILMN_2155228	CRLF3	NM_015986.2	-1.64	-0.71	9.51	10.22	0.0000415	0.00022
ILMN_1724941	CDCP1	NM_022842.3	-1.64	-0.71	7.45	8.16	0.0000416	0.00022
ILMN_1689110	NOB1P	NM_014062.1	-1.51	-0.59	9.84	10.43	0.0000422	0.00022
ILMN_1812616	MYO1C	NM_033375.3	-1.60	-0.68	8.66	9.34	0.0000423	0.00022
ILMN_1748352	CTSL2	NM_001333.2	-1.52	-0.6	9.43	10.03	0.0000432	0.00023
ILMN_1789991	4-MAR	NM_020814.1	-1.57	-0.65	8.56	9.21	0.0000435	0.00023
ILMN_1682747	FANCA	NM_001018112.1	-1.92	-0.94	7.83	8.77	0.0000436	0.00023
ILMN_1761829	HK1	NM_000188.1	-1.64	-0.71	9.31	10.03	0.0000439	0.00023
ILMN_1780315	PUSL1	NM_153339.1	-1.55	-0.63	9.83	10.46	0.0000463	0.00024
ILMN_2403247	CMTM7	NM_181472.1	-1.60	-0.68	8.45	9.13	0.0000466	0.00024
ILMN_1676689	PPT2	NM_138717.1	-1.77	-0.82	7.81	8.63	0.0000482	0.00025
ILMN_2182647	PINX1	NM_017884.3	-1.68	-0.75	9.47	10.23	0.0000488	0.00025
ILMN_1809145	HRIHFB2122	NM_138632.1	-1.57	-0.65	9.1	9.75	0.000049	0.00025
ILMN_2135175	SNORD36A	NR_002448.1	-1.92	-0.94	7.86	8.8	0.0000498	0.00026
ILMN_2169761	CPNE8	NM_153634.2	-1.71	-0.77	10.84	11.62	0.0000498	0.00026
ILMN_1774330	KIAA0523	NM_015253.1	-1.64	-0.71	11.13	11.84	0.0000504	0.00026
ILMN_1751793	PCNXL2	NM_024938.2	-1.67	-0.74	8.65	9.38	0.0000507	0.00026
ILMN_2055330	KIF26B	NM_018012.2	-1.89	-0.92	7.94	8.86	0.0000509	0.00026
ILMN_1747386	GLIS3	NM_152629.2	-1.51	-0.59	8.51	9.09	0.0000512	0.00026
ILMN_1732336	RFC2	NM_002914.3	-1.67	-0.74	9.01	9.75	0.0000513	0.00026
ILMN_1683112	FANCC	NM_000136.2	-1.57	-0.65	8.07	8.73	0.0000525	0.00027
ILMN_1703803	ADAMTS3	NM_014243.1	-1.99	-0.99	8.94	9.93	0.0000526	0.00027
ILMN_1696767	C13ORF21	NM_001010897.1	-1.88	-0.91	9.61	10.52	0.0000527	0.00027
ILMN_1680777	MAP2K3	NM_145109.1	-1.68	-0.75	7.64	8.39	0.0000528	0.00027
ILMN_1696814	SLA/LP	NM_016955.1	-1.57	-0.65	8.04	8.69	0.0000529	0.00027
ILMN_1774823	RPL34	NM_033625.1	-1.62	-0.7	12.07	12.77	0.0000535	0.00027

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ILMN_1772614	TCF12	NM_207040.1	-1.60	-0.68	10.01	10.69	0.0000538	0.00028
ILMN_1653163	ZSCAN2	NM_001007072.1	-1.51	-0.59	8.48	9.07	0.0000541	0.00028
ILMN_1655734	BXDC5	NM_025065.5	-1.51	-0.59	10.5	11.09	0.0000544	0.00028
ILMN_1774350	MYOZ3	NM_133371.2	-1.57	-0.65	8.43	9.09	0.0000551	0.00028
ILMN_1683740	TOP1MT	XM_944877.1	-1.64	-0.71	8.52	9.22	0.000056	0.00029
ILMN_2412139	CABYR	NM_153768.1	-1.55	-0.63	8.04	8.67	0.0000566	0.00029
ILMN_1768470	EIF4G1	NM_004953.2	-1.64	-0.71	11.82	12.53	0.0000571	0.00029
ILMN_1655915	MMP11	NM_005940.3	-1.61	-0.69	9.15	9.84	0.0000578	0.00029
ILMN_1711157	NOTCH4	NM_004557.3	-1.77	-0.82	9.05	9.86	0.0000585	0.0003
ILMN_1690693	CTPS2	NM_019857.3	-1.52	-0.6	7.74	8.34	0.0000585	0.0003
ILMN_1711894	MYB	NM_005375.2	-1.52	-0.6	9.71	10.31	0.0000586	0.0003
ILMN_1697703	GLOXD1	NM_032756.2	-1.62	-0.7	7.31	8.01	0.0000596	0.0003
ILMN_1654685	MCTP1	NM_001002796.1	-1.59	-0.67	8.38	9.04	0.0000605	0.00031
ILMN_2111932	SERINC2	NM_178865.3	-1.59	-0.67	7.62	8.3	0.0000621	0.00031
ILMN_1691080	OR6B1	NM_001005281.1	-1.82	-0.86	8.48	9.34	0.0000633	0.00032
ILMN_2330410	EIF3S8	NM_001037808.1	-1.53	-0.61	8.49	9.1	0.000064	0.00032
ILMN_1667225	PDE1C	NM_005020.1	-1.52	-0.6	9.29	9.9	0.0000649	0.00033
ILMN_1784005	LOC644615	XM_927730.1	-1.64	-0.71	11.6	12.31	0.000065	0.00033
ILMN_1693430	NME1-NME2	NM_001018136.1	-1.58	-0.66	9.78	10.44	0.000066	0.00033
ILMN_2115135	PC-3	NM_001044264.1	-1.67	-0.74	7.66	8.4	0.0000696	0.00035
ILMN_2391912	SEC14L1	NM_003003.2	-1.49	-0.58	9.44	10.03	0.0000699	0.00035
ILMN_2194448	STT3B	NM_178862.1	-1.60	-0.68	10.35	11.03	0.0000702	0.00035
ILMN_2189605	FAM122B	NM_145284.3	-1.71	-0.77	9.72	10.5	0.0000707	0.00035
ILMN_2381206	DHODH	NM_001025193.1	-1.52	-0.6	8.09	8.69	0.0000716	0.00036
ILMN_2057768	SLC35D1	NM_015139.1	-1.55	-0.63	7.82	8.44	0.0000717	0.00036
ILMN_1724349	RGS3	NM_144489.2	-1.82	-0.86	8.74	9.6	0.0000727	0.00036
ILMN_1764927	CDC42EP1	NM_007061.3	-1.57	-0.65	9.67	10.31	0.0000731	0.00036
ILMN_2276461	MAP2	NM_001039538.1	-1.69	-0.76	8.25	9.01	0.0000735	0.00036
ILMN_2137084	LIN9	NM_173083.2	-1.77	-0.82	8.86	9.68	0.0000735	0.00037
ILMN_1722239	TIMM8A	NM_004085.2	-1.56	-0.64	9.21	9.85	0.0000757	0.00038
ILMN_1676721	LOC653744	XM_929370.1	-1.51	-0.59	8.51	9.09	0.0000762	0.00038
ILMN_1763612	KIAA1944	NM_133448.1	-1.55	-0.63	7.46	8.09	0.0000766	0.00038
ILMN_1730332	CASP7	NM_033340.2	-1.60	-0.68	7.94	8.62	0.000077	0.00038
ILMN_2274306	NRP2	NM_201264.1	-1.53	-0.61	8.51	9.12	0.0000771	0.00038
ILMN_2209515	SNORD56	NR_002739.1	-1.55	-0.63	8.74	9.37	0.0000788	0.00039
ILMN_1713841	LNX1	NM_032622.1	-1.93	-0.95	7.82	8.77	0.000081	0.0004
ILMN_2388955	C1ORF183	NM_198926.1	-1.49	-0.58	9.86	10.44	0.0000822	0.0004
ILMN_1771482	KIAA1324	NM_020775.2	-1.61	-0.69	8.28	8.97	0.0000828	0.00041
ILMN_1800611	CEP72	NM_018140.2	-1.64	-0.71	8.33	9.04	0.000083	0.00041
ILMN_1705032	SEH1L	NM_031216.3	-1.82	-0.86	9.45	10.3	0.0000836	0.00041
ILMN_1777139	RBM13	NM_032509.2	-1.88	-0.91	9.56	10.47	0.0000845	0.00041
ILMN_1679501	CSNK2A1	NM_177559.2	-1.57	-0.65	8.66	9.31	0.0000854	0.00042
ILMN_2401933	ATP2B1	NM_001001323.1	-1.73	-0.79	8	8.79	0.000086	0.00042

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ILMN_1703013	NOC4L	NM_024078.1	-1.74	-0.8	9.36	10.16	0.000088	0.00043
ILMN_1765522	PPM1G	NM_177983.1	-1.56	-0.64	9.63	10.27	0.0000881	0.00043
ILMN_1809543	BDNF	NM_170733.2	-1.68	-0.75	8.22	8.97	0.0000891	0.00043
ILMN_1728073	DENND1A	NM_024820.2	-1.58	-0.66	8.13	8.79	0.0000908	0.00044
ILMN_1755077	HEBP2	NM_014320.2	-1.56	-0.64	10.5	11.14	0.0000911	0.00044
ILMN_1715437	CASC5	NM_170589.2	-1.52	-0.6	7.94	8.54	0.000092	0.00045
ILMN_2276811	METT11D1	NM_001029991.1	-1.55	-0.63	8.64	9.27	0.0000929	0.00045
ILMN_1715173	RPS6KA1	NM_001006665.1	-1.57	-0.65	8.25	8.9	0.000093	0.00045
ILMN_1743579	WDR4	NM_033661.3	-1.61	-0.69	8.43	9.12	0.0000948	0.00046
ILMN_1798952	KDELR3	NM_016657.1	-1.74	-0.8	7.28	8.08	0.0000968	0.00047
ILMN_2214790	LAMB1	NM_002291.1	-1.93	-0.95	8.66	9.61	0.000097	0.00047
ILMN_1756308	APPBP1	NM_001018159.1	-1.61	-0.69	8.22	8.9	0.0000987	0.00048
ILMN_1694070	LOC92689	NM_138389.1	-1.59	-0.67	8.56	9.23	0.0000989	0.00048
ILMN_2262177	SULT1A3	NM_003166.3	-1.91	-0.93	8.77	9.7	0.0001	0.00048
ILMN_1782745	RBL1	NM_002895.2	-1.65	-0.72	9.12	9.84	0.0001	0.00049
ILMN_1785699	PTHLH	NM_198966.1	-1.72	-0.78	8.85	9.63	0.0001	0.00049
ILMN_1673966	POLR3F	NM_006466.2	-1.51	-0.59	9.55	10.14	0.0001	0.00049
ILMN_1719392	FH	NM_000143.2	-1.51	-0.59	11.97	12.56	0.0001	0.0005
ILMN_2329735	ECM1	NM_022664.1	-1.77	-0.82	8.05	8.87	0.0001	0.0005
ILMN_2325394	MSH5	NM_172166.2	-2.01	-1.01	8.17	9.18	0.0001	0.0005
ILMN_1794011	CHST2	NM_004267.3	-1.84	-0.88	8.55	9.43	0.00011	0.00051
ILMN_1808777	EHD2	NM_014601.2	-1.52	-0.6	9.12	9.72	0.00011	0.00051
ILMN_1662961	GRHL3	NM_198173.1	-1.59	-0.67	6.95	7.62	0.00011	0.00052
ILMN_1654942	NFIC	NM_005597.2	-1.59	-0.67	8.04	8.72	0.00011	0.00053
ILMN_1736112	ARHGAP10	NM_024605.3	-1.53	-0.61	8.84	9.46	0.00011	0.00053
ILMN_1734827	MKI67	NM_002417.2	-1.57	-0.65	8.28	8.94	0.00011	0.00054
ILMN_1735798	OSBPL3	NM_145320.1	-1.55	-0.63	8.63	9.26	0.00011	0.00054
ILMN_1781721	DDX31	NM_022779.7	-1.49	-0.58	9.96	10.54	0.00011	0.00054
ILMN_1715532	AKAP12	NM_005100.2	-1.67	-0.74	9.46	10.2	0.00012	0.00055
ILMN_2332553	MSRB3	NM_198080.2	-1.56	-0.64	8.85	9.49	0.00012	0.00055
ILMN_1770822	RPS6KA3	XM_944112.1	-1.62	-0.7	8.09	8.79	0.00012	0.00056
ILMN_1728677	CREB5	NM_001011666.1	-1.67	-0.74	8.67	9.41	0.00012	0.00056
ILMN_2293374	TOP1MT	NM_052963.1	-1.66	-0.73	8.65	9.39	0.00012	0.00056
ILMN_1698646	TUBG1	XM_944510.1	-1.84	-0.88	8.33	9.21	0.00012	0.00056
ILMN_1687335	FLNA	NM_001456.1	-1.56	-0.64	8.87	9.5	0.00012	0.00057
ILMN_1688299	DSCR1L2	NM_013441.2	-1.64	-0.71	7.63	8.34	0.00012	0.00057
ILMN_2394161	ST8SIA4	NM_175052.1	-1.52	-0.6	7.62	8.22	0.00012	0.00057
ILMN_2148150	CHAC2	NM_001008708.1	-1.88	-0.91	7.82	8.73	0.00012	0.00058
ILMN_1801302	SCN1B	NM_199037.2	-1.62	-0.7	8.03	8.73	0.00013	0.0006
ILMN_1658271	LSS	NM_001001438.1	-1.58	-0.66	9.18	9.84	0.00013	0.0006
ILMN_2404850	RPL14	NM_001034996.1	-1.59	-0.67	8.81	9.48	0.00013	0.00061
ILMN_1753063	KIF15	NM_020242.1	-1.64	-0.71	9.67	10.38	0.00013	0.00061
ILMN_2169089	C18ORF54	NM_173529.3	-1.65	-0.72	9.37	10.09	0.00013	0.00061

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ILMN_2378696	GFM2	NM_170681.1	-1.51	-0.59	8.66	9.25	0.00013	0.00061
ILMN_1710170	PPAP2C	NM_177543.1	-1.62	-0.7	8.32	9.02	0.00013	0.00061
ILMN_1782076	EPHA3	NM_182644.1	-1.56	-0.64	7.89	8.52	0.00013	0.00062
ILMN_1756705	CHTF18	NM_022092.1	-1.80	-0.85	9.06	9.91	0.00013	0.00063
ILMN_2337880	NRG2	NM_013983.1	-1.51	-0.59	7.83	8.42	0.00014	0.00063
ILMN_1696066	CARS	NM_001751.4	-1.52	-0.6	9.06	9.66	0.00014	0.00063
ILMN_1736127	KIAA0773	NM_014690.2	-1.61	-0.69	9.58	10.26	0.00014	0.00063
ILMN_2151012	GALR1	NM_001480.2	-1.62	-0.7	7.45	8.16	0.00014	0.00063
ILMN_1713058	PSTPIP2	NM_024430.2	-1.74	-0.8	8.44	9.24	0.00014	0.00064
ILMN_1809883	FLJ22349	NM_024821.2	-1.56	-0.64	8.6	9.24	0.00014	0.00066
ILMN_2226415	LOC440145	NM_001071775.1	-1.75	-0.81	9.39	10.2	0.00014	0.00066
ILMN_1712513	DDX11	NM_004399.1	-1.51	-0.59	7.57	8.15	0.00015	0.00067
ILMN_1765085	CGI-09	NM_015939.3	-1.55	-0.63	7.87	8.49	0.00015	0.00068
ILMN_1675377	ZSCAN2	NM_017894.4	-1.58	-0.66	8.38	9.03	0.00015	0.00068
ILMN_2274180	MKKS	NM_170784.1	-1.53	-0.61	9.51	10.13	0.00015	0.0007
ILMN_1667432	HYAL3	NM_003549.2	-1.49	-0.58	9.06	9.64	0.00016	0.00072
ILMN_1675053	DMN	NM_145728.1	-1.61	-0.69	8.36	9.05	0.00016	0.00072
ILMN_2415536	SIPA1	NM_153253.28	-1.79	-0.84	8.17	9	0.00016	0.00072
ILMN_1712545	S100A3	NM_002960.1	-1.72	-0.78	7.78	8.56	0.00016	0.00074
ILMN_1789990	ARFGEF2	NM_006420.1	-1.51	-0.59	8.53	9.12	0.00016	0.00075
ILMN_2396292	ZNF655	NM_024061.3	-1.52	-0.6	8.5	9.09	0.00016	0.00075
ILMN_2351029	MTMR2	NM_016156.3	-1.80	-0.85	8.62	9.47	0.00017	0.00076
ILMN_2374383	TSPAN17	NM_130465.3	-1.64	-0.71	10.13	10.84	0.00017	0.00077
ILMN_1804568	HOMER1	NM_004272.3	-1.69	-0.76	7.77	8.54	0.00017	0.00078
ILMN_1676725	LOC653098	XM_925981.1	-1.73	-0.79	8.69	9.48	0.00018	0.0008
ILMN_2218780	PPM2C	NM_018444.2	-2.11	-1.08	8.13	9.21	0.00018	0.00081
ILMN_1694177	PCNA	NM_182649.1	-1.71	-0.77	11.87	12.64	0.00018	0.00082
ILMN_1683716	THSD1P	XR_000915.1	-1.54	-0.62	7.87	8.49	0.00018	0.00082
ILMN_1768394	ARPC5	NM_005717.2	-1.56	-0.64	12.47	13.1	0.00018	0.00083
ILMN_1677693	GPR109B	NM_006018.1	-1.55	-0.63	7.28	7.91	0.00018	0.00083
ILMN_1726704	RSC1A1	NM_006511.1	-1.68	-0.75	8.8	9.56	0.00019	0.00084
ILMN_1683598	ACSL4	NM_004458.1	-1.85	-0.89	9.62	10.51	0.00019	0.00084
ILMN_1716465	RBP7	NM_052960.1	-1.73	-0.79	7.82	8.62	0.00019	0.00086
ILMN_1734814	HSPA4	NM_002154.3	-1.78	-0.83	9.07	9.9	0.00019	0.00086
ILMN_1712430	ATP5G1	NM_005175.2	-1.57	-0.65	8.63	9.28	0.0002	0.00089
ILMN_2279182	LOC57228	NM_001031628.1	-1.51	-0.59	7.32	7.91	0.0002	0.0009
ILMN_1791052	FKBPL	NM_022110.3	-1.60	-0.68	8.81	9.48	0.0002	0.0009
ILMN_2337058	PORCN	NM_022825.2	-1.62	-0.7	9.1	9.8	0.00021	0.00093
ILMN_1714418	FAM101B	NM_182705.1	-1.71	-0.77	8.9	9.67	0.00021	0.00093
ILMN_1776267	CLN6	NM_017882.1	-1.54	-0.62	8.48	9.1	0.00021	0.00093
ILMN_1736176	PLK1	NM_005030.3	-1.99	-0.99	9.41	10.4	0.00021	0.00093
ILMN_1688158	CYB5R4	NM_016230.2	-1.49	-0.58	9.47	10.05	0.00021	0.00095
ILMN_1663347	OTOF	NM_194248.1	-1.56	-0.64	7.52	8.17	0.00022	0.00097

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ILMN_1803819	IQGAP1	NM_003870.3	-1.79	-0.84	10.13	10.97	0.00022	0.00098
ILMN_2333687	CD59	NM_203331.1	-1.51	-0.59	8.57	9.16	0.00022	0.00098
ILMN_1696028	ETNK1	NM_018638.3	-1.74	-0.8	8.82	9.62	0.00022	0.00099
ILMN_2275110	SPRED3	NM_001042522.1	-1.73	-0.79	7.6	8.38	0.00022	0.00099
ILMN_1737254	USP1	NM_003368.4	-1.51	-0.59	10.13	10.73	0.00023	0.00101
ILMN_1652662	GRB10	NM_001001555.1	-1.58	-0.66	8.09	8.76	0.00023	0.00102
ILMN_1769406	PIAS2	XM_938229.1	-1.73	-0.79	9.14	9.93	0.00024	0.00105
ILMN_1665856	CA10	NM_020178.3	-1.53	-0.61	7.18	7.78	0.00024	0.00106
ILMN_1789781	PIM3	NM_001001852.2	-1.49	-0.58	8.17	8.75	0.00024	0.00107
ILMN_1723969	PLCB1	NM_182734.1	-1.79	-0.84	9.14	9.98	0.00025	0.00109
ILMN_1747650	BMP6	NM_001718.2	-1.59	-0.67	8.53	9.2	0.00025	0.00109
ILMN_1653834	OGFOD1	NM_001031707.1	-1.69	-0.76	8.28	9.03	0.00025	0.00109
ILMN_1761910	BDNF	NM_001709.3	-1.79	-0.84	8.6	9.44	0.00025	0.00109
ILMN_2057408	LOC388503	NM_001013640.1	-1.52	-0.6	7.84	8.44	0.00025	0.00109
ILMN_1722809	NRCAM	NM_005010.2	-1.51	-0.59	12.19	12.78	0.00025	0.0011
ILMN_1736527	TFCP2L1	NM_014553.1	-1.52	-0.6	7.33	7.93	0.00025	0.00111
ILMN_1783131	SAMD13	NM_001010971.1	-1.67	-0.74	8.32	9.06	0.00026	0.00112
ILMN_1737396	PSMD14	NM_005805.2	-1.51	-0.59	12.02	12.61	0.00026	0.00113
ILMN_1771058	VAX1	NM_199131.1	-1.62	-0.7	8.08	8.77	0.00026	0.00113
ILMN_1688722	IL13RA2	NM_000640.2	-1.64	-0.71	9.08	9.79	0.00026	0.00115
ILMN_2201596	CYTL1	NM_018659.2	-1.60	-0.68	8.46	9.14	0.00026	0.00115
ILMN_2161820	GLYATL2	NM_145016.2	-1.52	-0.6	7.43	8.03	0.00027	0.00115
ILMN_1698715	NHLRC2	NM_198514.2	-1.56	-0.64	8.72	9.35	0.00027	0.00116
ILMN_2096012	UHMK1	NM_175866.2	-1.54	-0.62	9.11	9.74	0.00028	0.00121
ILMN_1711381	RFC3	NM_181558.1	-1.67	-0.74	7.62	8.36	0.00028	0.00122
ILMN_2161508	PHTF2	NM_020432.2	-1.51	-0.59	8.51	9.1	0.00029	0.00123
ILMN_1794560	TMEM93	NM_001014764.1	-1.52	-0.6	10.05	10.65	0.00029	0.00126
ILMN_1670769	C6ORF139	NM_018132.3	-1.58	-0.66	9.19	9.86	0.00029	0.00126
ILMN_1664679	IGSF4D	NM_153184.2	-1.60	-0.68	9.61	10.29	0.0003	0.00127
ILMN_1796627	PKIG	NM_181805.1	-1.59	-0.67	8.06	8.73	0.0003	0.00129
ILMN_2344662	HMGA2	NM_003483.4	-1.67	-0.74	7.94	8.67	0.0003	0.00129
ILMN_1743784	SHMT1	NM_004169.3	-1.58	-0.66	9.35	10.01	0.00031	0.00134
ILMN_1724826	DNM1L	NM_005690.2	-1.56	-0.64	9.9	10.55	0.00032	0.00136
ILMN_2057399	ZBTB8OS	NM_178547.2	-1.61	-0.69	9.31	10	0.00033	0.00138
ILMN_1777156	GTPBP3	NM_133644.1	-1.68	-0.75	9.01	9.76	0.00034	0.00143
ILMN_1787190	NRP2	NM_201264.1	-1.55	-0.63	8.23	8.86	0.00034	0.00144
ILMN_1703441	ZNF593	NM_015871.2	-1.52	-0.6	11.1	11.7	0.00035	0.00147
ILMN_1708006	MICB	NM_005931.2	-1.71	-0.77	7.55	8.32	0.00035	0.00147
ILMN_1804283	GNAS	NM_016592.1	-1.55	-0.63	8.59	9.22	0.00035	0.00149
ILMN_1754795	FAT	NM_005245.3	-1.74	-0.8	11.15	11.96	0.00037	0.00155
ILMN_1729767	TARBP2	NM_134323.1	-1.51	-0.59	10.79	11.38	0.00037	0.00156
ILMN_1805371	HNRPM	NM_005968.2	-1.52	-0.6	10.04	10.64	0.00037	0.00156
ILMN_2404454	NLE1	NM_018096.3	-1.56	-0.64	8.26	8.9	0.00038	0.00159

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ILMN_1673073	WDR62	NM_173636.3	-1.62	-0.7	8.06	8.76	0.00038	0.00159
ILMN_2415583	HS6ST2	NM_001077188.1	-1.72	-0.78	8.01	8.79	0.00039	0.00163
ILMN_1808163	C11ORF24	NM_022338.2	-1.52	-0.6	10.01	10.61	0.00039	0.00163
ILMN_1804207	MRPL4	NM_015956.2	-1.66	-0.73	8.99	9.71	0.0004	0.00164
ILMN_1764175	GPD1	NM_005276.2	-1.68	-0.75	9.66	10.41	0.0004	0.00166
ILMN_2281486	CNGA3	NM_001298.1	-1.72	-0.78	8.51	9.29	0.00041	0.0017
ILMN_1658407	SLC43A3	NM_199329.1	-1.54	-0.62	7.8	8.42	0.00044	0.00181
ILMN_1769071	XKRX	NM_212559.1	-1.54	-0.62	7.63	8.25	0.00045	0.00183
ILMN_1740523	KTN1	NM_182926.1	-1.55	-0.63	8.68	9.32	0.00047	0.0019
ILMN_2047354	C1ORF97	NM_032705.3	-1.53	-0.61	9.67	10.28	0.00049	0.00197
ILMN_1688094	ORC5L	NM_002553.2	-1.59	-0.67	7.81	8.48	0.00049	0.00197
ILMN_2179083	LOXL4	NM_032211.6	-1.57	-0.65	9.74	10.39	0.00049	0.00198
ILMN_1798619	KCTD17	NM_024681.1	-1.54	-0.62	8.76	9.38	0.00049	0.00198
ILMN_2366998	CTF8	NM_001040144.1	-1.57	-0.65	9.06	9.71	0.00051	0.00204
ILMN_2091590	ANKRD41	NM_152363.2	-1.55	-0.63	8.41	9.03	0.00052	0.00211
ILMN_1769201	ELF3	NM_004433.3	-1.65	-0.72	8.94	9.65	0.00053	0.00211
ILMN_1738767	PLP2	NM_002668.1	-1.56	-0.64	8.79	9.43	0.00055	0.0022
ILMN_2387742	LOC144983	NM_001011724.1	-1.57	-0.65	7.88	8.53	0.00055	0.0022
ILMN_1811515	DLG3	NM_021120.1	-1.60	-0.68	8.65	9.33	0.00056	0.00223
ILMN_1664718	CYP51A1	NM_000786.2	-1.62	-0.7	8.87	9.57	0.0006	0.00239
ILMN_1677736	TMEM104	NM_017728.2	-1.72	-0.78	8.57	9.34	0.00061	0.00242
ILMN_1683052	PTRH2	NM_001015509.1	-1.55	-0.63	8.18	8.81	0.00062	0.00245
ILMN_1761425	OLFML2A	NM_182487.1	-1.57	-0.65	9.44	10.1	0.00062	0.00246
ILMN_1716651	RUNX2	NM_001024630.1	-1.65	-0.72	8.25	8.97	0.00071	0.00275
ILMN_2401701	PCGF6	NM_032154.3	-1.71	-0.77	8.61	9.38	0.00074	0.00286
ILMN_1698585	SLC6A20	NM_020208.2	-1.56	-0.64	8.17	8.82	0.00074	0.00286
ILMN_1790962	FLJ45909	NM_198445.1	-1.66	-0.73	8.01	8.75	0.00074	0.00287
ILMN_2319910	DGKA	NM_201554.1	-1.51	-0.59	9.12	9.71	0.00074	0.00288
ILMN_1718331	MMP16	NM_005941.2	-1.52	-0.6	8.51	9.11	0.00075	0.00289
ILMN_1735908	UTP15	NM_032175.2	-1.54	-0.62	9.13	9.75	0.00075	0.00291
ILMN_2390859	NFKB2	NM_002502.2	-1.51	-0.59	7.97	8.56	0.00076	0.00293
ILMN_2324561	SLC7A6	NM_001076785.1	-1.85	-0.89	8.16	9.05	0.00078	0.00299
ILMN_2331010	TNFRSF10B	NM_147187.1	-1.59	-0.67	7.94	8.61	0.00079	0.00304
ILMN_1689086	CTSC	NM_148170.2	-1.53	-0.61	7.4	8.01	0.00083	0.00319
ILMN_1661776	CENPJ	NM_018451.2	-1.55	-0.63	9.36	9.99	0.00084	0.00322
ILMN_1742781	KIRREL	NM_018240.3	-1.54	-0.62	7.82	8.45	0.00089	0.00337
ILMN_2386291	WTIP	NM_001080436.1	-1.53	-0.61	8.89	9.5	0.00089	0.00339
ILMN_2086470	PDGFRA	NM_006206.3	-1.67	-0.74	12.02	12.76	0.00094	0.00355
ILMN_2133784	C11ORF38	NM_212555.1	-1.51	-0.59	9.42	10.01	0.00094	0.00356
ILMN_1717799	PRKCE	NM_005400.2	-1.60	-0.68	8.51	9.19	0.00095	0.00357
ILMN_1741483	HPS1	NM_182639.1	-1.55	-0.63	8.74	9.36	0.00095	0.00358
ILMN_2199676	CEP152	NM_014985.2	-1.62	-0.7	8.02	8.72	0.00097	0.00365
ILMN_1685275	MCAM	NM_006500.2	-1.59	-0.67	7.92	8.59	0.00105	0.0039

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ILMN_2275248	ECE2	NM_014693.2	-1.53	-0.61	8.22	8.82	0.00105	0.00391
ILMN_1731137	TXNDC9	NM_005783.3	-1.60	-0.68	9.34	10.02	0.00108	0.00401
ILMN_1674629	C9ORF3	NM_032823.3	-1.53	-0.61	8.55	9.16	0.00112	0.00413
ILMN_1654001	SMC6L1	NM_024624.3	-1.72	-0.78	8.47	9.25	0.00113	0.00417
ILMN_2043060	PLCH1	NM_014996.1	-1.66	-0.73	8.51	9.24	0.00113	0.00417
ILMN_1759628	ATP1B3	NM_001679.2	-1.49	-0.58	11.55	12.14	0.00116	0.00429
ILMN_2136971	FABP3	NM_004102.3	-1.60	-0.68	8.03	8.72	0.00119	0.00436
ILMN_1709479	YAP1	NM_006106.2	-1.57	-0.65	10.5	11.15	0.00124	0.00454
ILMN_1701402	IKIP	NM_153687.2	-1.51	-0.59	9.16	9.75	0.00131	0.00477
ILMN_1661351	C17ORF81	NM_203414.1	-1.60	-0.68	8.33	9.01	0.00136	0.00496
ILMN_1812915	TNFRSF10B	NM_003842.3	-1.53	-0.61	7.97	8.58	0.00138	0.00502
ILMN_2413508	CD97	NM_001784.3	-1.73	-0.79	8.08	8.87	0.00141	0.00512
ILMN_1790637	FLJ22531	NM_024650.2	-1.64	-0.71	9.78	10.49	0.00142	0.00513
ILMN_1796455	RYR3	NM_001036.2	-1.59	-0.67	9.07	9.75	0.00143	0.00519
ILMN_1747630	DEK	NM_003472.2	-1.61	-0.69	11.38	12.08	0.00145	0.00525
ILMN_1806804	USP14	NM_005151.2	-1.53	-0.61	10.28	10.89	0.00148	0.00536
ILMN_1770537	NGFRAP1	NM_014380.1	-1.59	-0.67	10.82	11.49	0.00151	0.00545
ILMN_1758846	ANKRD40	NM_052855.2	-1.56	-0.64	8.98	9.63	0.00158	0.00566
ILMN_1701482	POFUT2	NM_015227.3	-1.53	-0.61	9.77	10.38	0.00162	0.0058
ILMN_1753468	CD63	NM_001780.3	-1.52	-0.6	11.85	12.45	0.00164	0.00586
ILMN_1708798	EAF2	NM_018456.4	-1.52	-0.6	7.99	8.59	0.00166	0.00593
ILMN_1781383	NFKBIL2	NM_013432.3	-1.59	-0.67	8.04	8.7	0.00167	0.00595
ILMN_2292748	ING5	NM_032329.4	-1.58	-0.66	8.73	9.39	0.00171	0.00608
ILMN_1784493	LOC401286	NM_001023565.1	-1.54	-0.62	7.54	8.16	0.00175	0.0062
ILMN_2104784	FKBP3	NM_002013.2	-1.52	-0.6	11.19	11.8	0.00175	0.00621
ILMN_1732776	NUP98	NM_139131.2	-1.51	-0.59	8.44	9.02	0.00176	0.00623
ILMN_1784300	TUBA1	NM_006000.1	-1.51	-0.59	7.95	8.54	0.00177	0.00626
ILMN_1738572	USP48	NM_001032730.1	-1.53	-0.61	9.23	9.84	0.00177	0.00626
ILMN_2412380	TSC22D1	NM_183422.1	-1.59	-0.67	9.38	10.05	0.00183	0.00646
ILMN_1653001	CABLES1	NM_138375.1	-1.54	-0.62	9.74	10.36	0.00192	0.00675
ILMN_1765729	MAML2	NM_032427.1	-1.54	-0.62	8.86	9.48	0.00193	0.00678
ILMN_1731193	BCL2L12	NM_138639.1	-1.57	-0.65	9.03	9.68	0.00195	0.00684
ILMN_2285375	SORD	NM_003104.3	-1.69	-0.76	7.94	8.7	0.00197	0.0069
ILMN_2205350	C6ORF66	NM_014165.1	-1.51	-0.59	7.72	8.32	0.00201	0.00704
ILMN_1701374	NUP35	NM_138285.3	-1.51	-0.59	9.65	10.24	0.00209	0.00727
ILMN_1747870	CD3EAP	NM_012099.1	-1.62	-0.7	8.43	9.13	0.00211	0.00735
ILMN_1724396	GCG	NM_002054.2	-1.56	-0.64	7.72	8.36	0.00212	0.00736
ILMN_1668778	PRKAA2	NM_006252.2	-1.60	-0.68	7.52	8.19	0.00214	0.00742
ILMN_1751816	MCTS1	NM_014060.1	-1.58	-0.66	8.81	9.47	0.00214	0.00743
ILMN_1745988	NUDT12	NM_031438.2	-1.82	-0.86	8.21	9.07	0.00217	0.0075
ILMN_1700378	ZWILCH	NM_017975.2	-1.54	-0.62	7.97	8.58	0.00228	0.00785
ILMN_2061446	AADACL1	NM_020792.3	-1.75	-0.81	8.91	9.72	0.0023	0.00791
ILMN_1787081	TADA2L	NM_001488.3	-1.52	-0.6	8.32	8.92	0.00238	0.00816

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ILMN_1690442	C18ORF45	NM_032933.3	-1.82	-0.86	8.92	9.78	0.00253	0.00862
ILMN_1744815	PVRL1	NM_203286.1	-1.52	-0.6	7.95	8.55	0.00268	0.00907
ILMN_1676458	MRPL11	NM_170739.1	-1.53	-0.61	8.17	8.79	0.00276	0.00931
ILMN_2389810	ATP11C	NM_173694.3	-1.68	-0.75	8.32	9.07	0.00287	0.00965

Supplementary Table 3
Complete gene ontology data

Upregulated genes at D4 vs T0

Category	Term	PValue
GOTERM_BP_4	GO:0007399~nervous system development	2.79E-17
GOTERM_BP_4	GO:0022008~neurogenesis	1.06E-10
GOTERM_BP_4	GO:0030182~neuron differentiation	5.52E-09
GOTERM_BP_4	GO:0007416~synaptogenesis	1.21E-07
GOTERM_BP_4	GO:0048666~neuron development	1.77E-07
GOTERM_BP_4	GO:0048468~cell development	5.78E-07
GOTERM_BP_4	GO:0000904~cell morphogenesis involved in differentiation	6.90E-07
GOTERM_BP_4	GO:0048523~negative regulation of cellular process	1.65E-06
GOTERM_BP_4	GO:0000902~cell morphogenesis	4.78E-06
GOTERM_CC_4	GO:0005794~Golgi apparatus	5.51E-06
GOTERM_BP_4	GO:0048812~neuron projection morphogenesis	5.94E-06
GOTERM_BP_4	GO:0048858~cell projection morphogenesis	9.77E-06
GOTERM_CC_4	GO:0044459~plasma membrane part	1.44E-05
GOTERM_BP_4	GO:0032990~cell part morphogenesis	1.50E-05
GOTERM_CC_4	GO:0042611~MHC protein complex	2.16E-05
GOTERM_BP_4	GO:0032989~cellular component morphogenesis	3.89E-05
GOTERM_CC_4	GO:0005578~proteinaceous extracellular matrix	7.05E-05
GOTERM_BP_4	GO:0045595~regulation of cell differentiation	7.90E-05
GOTERM_CC_4	GO:0042613~MHC class II protein complex	9.19E-05
GOTERM_BP_4	GO:0031327~negative regulation of cellular biosynthetic process	1.09E-04
GOTERM_BP_4	GO:0009890~negative regulation of biosynthetic process	1.39E-04
GOTERM_CC_4	GO:0043005~neuron projection	1.96E-04
GOTERM_CC_4	GO:0030424~axon	1.97E-04
GOTERM_BP_4	GO:0010629~negative regulation of gene expression	2.02E-04
GOTERM_BP_4	GO:0045934~negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	2.17E-04
GOTERM_CC_4	GO:0048471~perinuclear region of cytoplasm	2.48E-04
GOTERM_BP_4	GO:0051253~negative regulation of RNA metabolic process	2.51E-04
GOTERM_CC_4	GO:0031410~cytoplasmic vesicle	2.69E-04
GOTERM_BP_4	GO:0007411~axon guidance	2.83E-04
GOTERM_CC_4	GO:0016023~cytoplasmic membrane-bounded vesicle	3.04E-04
GOTERM_BP_4	GO:0002478~antigen processing and presentation of exogenous peptide antigen	3.17E-04
GOTERM_BP_4	GO:0051172~negative regulation of nitrogen compound metabolic process	3.30E-04
GOTERM_BP_4	GO:0050767~regulation of neurogenesis	3.32E-04
GOTERM_BP_4	GO:0008285~negative regulation of cell proliferation	3.37E-04
GOTERM_BP_4	GO:0010558~negative regulation of macromolecule biosynthetic process	3.38E-04
GOTERM_MF_4	GO:0003712~transcription cofactor activity	3.48E-04
GOTERM_BP_4	GO:0016477~cell migration	4.46E-04
GOTERM_BP_4	GO:0060284~regulation of cell development	4.51E-04
GOTERM_BP_4	GO:0007268~synaptic transmission	5.93E-04
GOTERM_BP_4	GO:0007417~central nervous system development	8.13E-04
GOTERM_CC_4	GO:0030054~cell junction	9.49E-04
GOTERM_BP_4	GO:0051960~regulation of nervous system development	9.88E-04
GOTERM_CC_4	GO:0030672~synaptic vesicle membrane	1.14E-03

Supplementary Table 3

GOTERM_CC_4	GO:0000785~chromatin	1.26E-03
GOTERM_BP_4	GO:0048870~cell motility	1.43E-03
GOTERM_CC_4	GO:0030426~growth cone	1.60E-03
GOTERM_CC_4	GO:0044433~cytoplasmic vesicle part	1.86E-03
GOTERM_BP_4	GO:0016358~dendrite development	1.90E-03
GOTERM_BP_4	GO:0031324~negative regulation of cellular metabolic process	2.08E-03
GOTERM_BP_4	GO:0030035~microspike assembly	2.40E-03
GOTERM_MF_4	GO:0046872~metal ion binding	2.58E-03
GOTERM_BP_4	GO:0007156~homophilic cell adhesion	2.68E-03
GOTERM_BP_4	GO:0007050~cell cycle arrest	3.21E-03
GOTERM_MF_4	GO:0005085~guanyl-nucleotide exchange factor activity	3.48E-03
GOTERM_BP_4	GO:0010769~regulation of cell morphogenesis involved in differentiation	3.49E-03
GOTERM_BP_4	GO:0006334~nucleosome assembly	3.49E-03
GOTERM_BP_4	GO:0065004~protein-DNA complex assembly	3.58E-03
GOTERM_BP_4	GO:0019226~transmission of nerve impulse	3.66E-03
GOTERM_BP_4	GO:0010646~regulation of cell communication	3.99E-03
GOTERM_CC_4	GO:0005773~vacuole	4.29E-03
GOTERM_CC_4	GO:0000786~nucleosome	4.40E-03
GOTERM_BP_4	GO:0007242~intracellular signaling cascade	4.62E-03
GOTERM_BP_4	GO:0034728~nucleosome organization	4.63E-03
GOTERM_BP_4	GO:0006325~chromatin organization	4.82E-03
GOTERM_BP_4	GO:0010468~regulation of gene expression	4.95E-03
GOTERM_BP_4	GO:0022604~regulation of cell morphogenesis	5.09E-03
GOTERM_BP_4	GO:0002495~antigen processing and presentation of peptide antigen via MHC class II	5.27E-03
GOTERM_BP_4	GO:0009892~negative regulation of metabolic process	5.54E-03
GOTERM_BP_4	GO:0010720~positive regulation of cell development	6.51E-03
GOTERM_BP_4	GO:0031344~regulation of cell projection organization	6.65E-03
GOTERM_BP_4	GO:0051094~positive regulation of developmental process	6.65E-03
GOTERM_BP_4	GO:0022603~regulation of anatomical structure morphogenesis	6.73E-03
GOTERM_CC_4	GO:0005737~cytoplasm	7.02E-03
GOTERM_BP_4	GO:0010605~negative regulation of macromolecule metabolic process	7.21E-03
GOTERM_MF_4	GO:0017124~SH3 domain binding	7.22E-03
GOTERM_BP_4	GO:0016049~cell growth	7.23E-03
GOTERM_CC_4	GO:0005874~microtubule	7.26E-03
GOTERM_CC_4	GO:0031225~anchored to membrane	7.80E-03
GOTERM_BP_4	GO:0006897~endocytosis	8.30E-03
GOTERM_BP_4	GO:0010975~regulation of neuron projection development	8.50E-03
GOTERM_MF_4	GO:0019905~syntaxin binding	8.86E-03
GOTERM_MF_4	GO:0005112~Notch binding	9.04E-03
GOTERM_BP_4	GO:0001502~cartilage condensation	9.14E-03
GOTERM_CC_4	GO:0005886~plasma membrane	9.39E-03
GOTERM_BP_4	GO:0048545~response to steroid hormone stimulus	1.01E-02
GOTERM_BP_4	GO:0050680~negative regulation of epithelial cell proliferation	1.01E-02
GOTERM_BP_4	GO:0043067~regulation of programmed cell death	1.05E-02
GOTERM_BP_4	GO:0045597~positive regulation of cell differentiation	1.08E-02
GOTERM_BP_4	GO:0010941~regulation of cell death	1.14E-02
GOTERM_BP_4	GO:0051129~negative regulation of cellular component organization	1.15E-02
GOTERM_CC_4	GO:0030659~cytoplasmic vesicle membrane	1.21E-02
GOTERM_BP_4	GO:0042127~regulation of cell proliferation	1.23E-02

Supplementary Table 3

GOTERM_BP_4	GO:0051130~positive regulation of cellular component organization	1.24E-02
GOTERM_MF_4	GO:0005539~glycosaminoglycan binding	1.28E-02
GOTERM_BP_4	GO:0051252~regulation of RNA metabolic process	1.36E-02
GOTERM_BP_4	GO:0031644~regulation of neurological system process	1.38E-02
GOTERM_MF_4	GO:0019894~kinesin binding	1.39E-02
GOTERM_MF_4	GO:0042578~phosphoric ester hydrolase activity	1.39E-02
GOTERM_BP_4	GO:0051093~negative regulation of developmental process	1.44E-02
GOTERM_BP_4	GO:0031346~positive regulation of cell projection organization	1.52E-02
GOTERM_BP_4	GO:0051969~regulation of transmission of nerve impulse	1.59E-02
GOTERM_BP_4	GO:0009966~regulation of signal transduction	1.60E-02
GOTERM_CC_4	GO:0012506~vesicle membrane	1.67E-02
GOTERM_MF_4	GO:0001972~retinoic acid binding	1.69E-02
GOTERM_BP_4	GO:0043254~regulation of protein complex assembly	1.69E-02
GOTERM_BP_4	GO:0045637~regulation of myeloid cell differentiation	1.78E-02
GOTERM_BP_4	GO:0031334~positive regulation of protein complex assembly	1.81E-02
GOTERM_BP_4	GO:0006350~transcription	1.82E-02
GOTERM_BP_4	GO:0015807~L-amino acid transport	1.93E-02
GOTERM_BP_4	GO:0048513~organ development	1.97E-02
GOTERM_BP_4	GO:0010721~negative regulation of cell development	2.03E-02
GOTERM_CC_4	GO:0042734~presynaptic membrane	2.04E-02
GOTERM_BP_4	GO:0031326~regulation of cellular biosynthetic process	2.05E-02
GOTERM_BP_4	GO:0045792~negative regulation of cell size	2.08E-02
GOTERM_BP_4	GO:0045596~negative regulation of cell differentiation	2.09E-02
GOTERM_MF_4	GO:0008083~growth factor activity	2.09E-02
GOTERM_CC_4	GO:0031226~intrinsic to plasma membrane	2.10E-02
GOTERM_BP_4	GO:0030278~regulation of ossification	2.16E-02
GOTERM_BP_4	GO:0030308~negative regulation of cell growth	2.19E-02
GOTERM_BP_4	GO:0009887~organ morphogenesis	2.30E-02
GOTERM_BP_4	GO:0002474~antigen processing and presentation of peptide antigen via MHC class I	2.33E-02
GOTERM_BP_4	GO:0016101~diterpenoid metabolic process	2.39E-02
GOTERM_BP_4	GO:0016339~calcium-dependent cell-cell adhesion	2.39E-02
GOTERM_CC_4	GO:0009898~internal side of plasma membrane	2.41E-02
GOTERM_BP_4	GO:0009889~regulation of biosynthetic process	2.47E-02
GOTERM_BP_4	GO:0010556~regulation of macromolecule biosynthetic process	2.55E-02
GOTERM_BP_4	GO:0007423~sensory organ development	2.60E-02
GOTERM_BP_4	GO:0014031~mesenchymal cell development	2.65E-02
GOTERM_BP_4	GO:0048762~mesenchymal cell differentiation	2.65E-02
GOTERM_BP_4	GO:0014855~striated muscle cell proliferation	2.66E-02
GOTERM_BP_4	GO:0055017~cardiac muscle tissue growth	2.66E-02
GOTERM_BP_4	GO:0034109~homotypic cell-cell adhesion	2.66E-02
GOTERM_BP_4	GO:0008354~germ cell migration	2.68E-02
GOTERM_BP_4	GO:0050772~positive regulation of axonogenesis	2.93E-02
GOTERM_BP_4	GO:0042551~neuron maturation	2.97E-02
GOTERM_BP_4	GO:0060485~mesenchyme development	3.01E-02
GOTERM_BP_4	GO:0051216~cartilage development	3.07E-02
GOTERM_BP_4	GO:0007420~brain development	3.07E-02
GOTERM_BP_4	GO:0045786~negative regulation of cell cycle	3.22E-02
GOTERM_BP_4	GO:0045165~cell fate commitment	3.31E-02
GOTERM_BP_4	GO:0051259~protein oligomerization	3.90E-02

Supplementary Table 3

GOTERM_BP_4	GO:0021543~pallium development	3.90E-02
GOTERM_BP_4	GO:0008347~glial cell migration	3.95E-02
GOTERM_BP_4	GO:0019219~regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	4.31E-02
GOTERM_BP_4	GO:0031099~regeneration	4.34E-02
GOTERM_MF_4	GO:0015631~tubulin binding	4.35E-02
GOTERM_BP_4	GO:0032409~regulation of transporter activity	4.43E-02
GOTERM_CC_4	GO:0044431~Golgi apparatus part	4.43E-02
GOTERM_CC_4	GO:0044420~extracellular matrix part	4.55E-02
GOTERM_BP_4	GO:0048488~synaptic vesicle endocytosis	4.60E-02
GOTERM_BP_4	GO:0051270~regulation of cell motion	4.73E-02
GOTERM_BP_4	GO:0001655~urogenital system development	4.75E-02
GOTERM_BP_4	GO:0050678~regulation of epithelial cell proliferation	4.77E-02
GOTERM_BP_4	GO:0030097~hemopoiesis	4.91E-02

Downregulated genes at D4 vs T0

Category	Term	PValue
GOTERM_CC_4	GO:0044428~nuclear part	5.61E-29
GOTERM_BP_4	GO:0022403~cell cycle phase	4.93E-26
GOTERM_CC_4	GO:0070013~intracellular organelle lumen	1.98E-25
GOTERM_CC_4	GO:0031981~nuclear lumen	3.51E-24
GOTERM_CC_4	GO:0044446~intracellular organelle part	6.83E-24
GOTERM_BP_4	GO:0000279~M phase	1.67E-23
GOTERM_CC_4	GO:0043232~intracellular non-membrane-bounded organelle	4.13E-22
GOTERM_MF_4	GO:0030554~adenyl nucleotide binding	2.42E-20
GOTERM_BP_4	GO:0006259~DNA metabolic process	3.17E-20
GOTERM_BP_4	GO:0000280~nuclear division	6.11E-20
GOTERM_BP_4	GO:0007067~mitosis	6.11E-20
GOTERM_BP_4	GO:0000087~M phase of mitotic cell cycle	1.09E-19
GOTERM_MF_4	GO:0032555~purine ribonucleotide binding	1.70E-18
GOTERM_CC_4	GO:0044424~intracellular part	2.53E-17
GOTERM_CC_4	GO:0005829~cytosol	5.59E-15
GOTERM_CC_4	GO:0005737~cytoplasm	2.05E-13
GOTERM_CC_4	GO:0005694~chromosome	8.46E-13
GOTERM_CC_4	GO:0005654~nucleoplasm	1.83E-12
GOTERM_CC_4	GO:0005634~nucleus	4.11E-12
GOTERM_CC_4	GO:0043229~intracellular organelle	8.14E-12
GOTERM_CC_4	GO:0000775~chromosome, centromeric region	3.70E-11
GOTERM_CC_4	GO:0044427~chromosomal part	7.79E-11
GOTERM_CC_4	GO:0043231~intracellular membrane-bounded organelle	2.36E-10
GOTERM_CC_4	GO:0005730~nucleolus	3.75E-10
GOTERM_BP_4	GO:0016126~sterol biosynthetic process	4.31E-10
GOTERM_CC_4	GO:0000777~condensed chromosome kinetochore	9.98E-09
GOTERM_CC_4	GO:0000776~kinetochore	2.14E-08
GOTERM_BP_4	GO:0051726~regulation of cell cycle	2.20E-08
GOTERM_CC_4	GO:0044444~cytoplasmic part	2.33E-08
GOTERM_BP_4	GO:0051325~interphase	5.89E-08
GOTERM_BP_4	GO:0051329~interphase of mitotic cell cycle	1.09E-07

Supplementary Table 3

GOTERM_CC_4	GO:0005635~nuclear envelope	1.93E-07
GOTERM_MF_4	GO:0016301~kinase activity	2.82E-07
GOTERM_BP_4	GO:0006364~rRNA processing	3.38E-07
GOTERM_CC_4	GO:0000228~nuclear chromosome	4.01E-07
GOTERM_BP_4	GO:0000226~microtubule cytoskeleton organization	4.36E-07
GOTERM_BP_4	GO:0051338~regulation of transferase activity	9.58E-07
GOTERM_BP_4	GO:0007051~spindle organization	1.27E-06
GOTERM_BP_4	GO:0006694~steroid biosynthetic process	2.17E-06
GOTERM_CC_4	GO:0005739~mitochondrion	2.28E-06
GOTERM_CC_4	GO:0005819~spindle	3.54E-06
GOTERM_BP_4	GO:0007346~regulation of mitotic cell cycle	3.99E-06
GOTERM_CC_4	GO:0005643~nuclear pore	5.45E-06
GOTERM_BP_4	GO:0000075~cell cycle checkpoint	5.62E-06
GOTERM_BP_4	GO:0016070~RNA metabolic process	6.64E-06
GOTERM_BP_4	GO:0051174~regulation of phosphorus metabolic process	7.72E-06
GOTERM_CC_4	GO:0001726~ruffle	9.43E-06
GOTERM_CC_4	GO:0046930~pore complex	1.35E-05
GOTERM_BP_4	GO:0010564~regulation of cell cycle process	1.39E-05
GOTERM_MF_4	GO:0016773~phosphotransferase activity, alcohol group as acceptor	1.40E-05
GOTERM_BP_4	GO:0051310~metaphase plate congression	2.30E-05
GOTERM_BP_4	GO:0009113~purine base biosynthetic process	2.36E-05
GOTERM_CC_4	GO:0005657~replication fork	2.68E-05
GOTERM_BP_4	GO:0006461~protein complex assembly	2.79E-05
GOTERM_BP_4	GO:0050000~chromosome localization	3.38E-05
GOTERM_BP_4	GO:0051303~establishment of chromosome localization	3.38E-05
GOTERM_MF_4	GO:0016818~hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	3.81E-05
GOTERM_BP_4	GO:0051052~regulation of DNA metabolic process	4.03E-05
GOTERM_CC_4	GO:0031967~organelle envelope	4.70E-05
GOTERM_BP_4	GO:0044275~cellular carbohydrate catabolic process	6.05E-05
GOTERM_BP_4	GO:0044267~cellular protein metabolic process	6.92E-05
GOTERM_BP_4	GO:0043623~cellular protein complex assembly	9.27E-05
GOTERM_CC_4	GO:0005856~cytoskeleton	1.07E-04
GOTERM_BP_4	GO:0006396~RNA processing	1.38E-04
GOTERM_MF_4	GO:0008168~methyltransferase activity	1.43E-04
GOTERM_CC_4	GO:0005606~laminin-1 complex	1.61E-04
GOTERM_BP_4	GO:0051327~M phase of meiotic cell cycle	1.64E-04
GOTERM_BP_4	GO:0007126~meiosis	1.64E-04
GOTERM_BP_4	GO:0008299~isoprenoid biosynthetic process	1.74E-04
GOTERM_CC_4	GO:0005840~ribosome	1.83E-04
GOTERM_BP_4	GO:0000079~regulation of cyclin-dependent protein kinase activity	1.92E-04
GOTERM_CC_4	GO:0034399~nuclear periphery	1.95E-04
GOTERM_MF_4	GO:0043566~structure-specific DNA binding	2.28E-04
GOTERM_MF_4	GO:0016779~nucleotidyltransferase activity	2.31E-04
GOTERM_CC_4	GO:0030529~ribonucleoprotein complex	3.32E-04
GOTERM_BP_4	GO:0055086~nucleobase, nucleoside and nucleotide metabolic process	3.48E-04
GOTERM_BP_4	GO:0006412~translation	3.76E-04
GOTERM_BP_4	GO:0044271~nitrogen compound biosynthetic process	3.81E-04
GOTERM_BP_4	GO:0048514~blood vessel morphogenesis	3.86E-04
GOTERM_BP_4	GO:0008202~steroid metabolic process	4.62E-04

Supplementary Table 3

GOTERM_BP_4	GO:0001944~vasculature development	4.76E-04
GOTERM_CC_4	GO:0044454~nuclear chromosome part	4.85E-04
GOTERM_BP_4	GO:0000070~mitotic sister chromatid segregation	5.57E-04
GOTERM_BP_4	GO:0008203~cholesterol metabolic process	5.71E-04
GOTERM_BP_4	GO:0009112~nucleobase metabolic process	6.16E-04
GOTERM_MF_4	GO:0042803~protein homodimerization activity	6.71E-04
GOTERM_BP_4	GO:0006796~phosphate metabolic process	6.73E-04
GOTERM_BP_4	GO:0000819~sister chromatid segregation	7.22E-04
GOTERM_BP_4	GO:0046364~monosaccharide biosynthetic process	7.22E-04
GOTERM_CC_4	GO:0016363~nuclear matrix	8.13E-04
GOTERM_CC_4	GO:0043256~laminin complex	8.17E-04
GOTERM_BP_4	GO:0006520~cellular amino acid metabolic process	8.84E-04
GOTERM_BP_4	GO:0007080~mitotic metaphase plate congression	8.98E-04
GOTERM_BP_4	GO:0051656~establishment of organelle localization	1.08E-03
GOTERM_BP_4	GO:0043086~negative regulation of catalytic activity	1.11E-03
GOTERM_CC_4	GO:0005663~DNA replication factor C complex	1.18E-03
GOTERM_BP_4	GO:0034622~cellular macromolecular complex assembly	1.21E-03
GOTERM_BP_4	GO:0001525~angiogenesis	1.25E-03
GOTERM_BP_4	GO:0046365~monosaccharide catabolic process	1.27E-03
GOTERM_BP_4	GO:0006839~mitochondrial transport	1.36E-03
GOTERM_CC_4	GO:0005625~soluble fraction	1.40E-03
GOTERM_BP_4	GO:0044106~cellular amine metabolic process	1.40E-03
GOTERM_BP_4	GO:0006096~glycolysis	1.51E-03
GOTERM_BP_4	GO:0005996~monosaccharide metabolic process	1.56E-03
GOTERM_BP_4	GO:0007127~meiosis I	1.84E-03
GOTERM_BP_4	GO:0016052~carbohydrate catabolic process	1.96E-03
GOTERM_BP_4	GO:0043436~oxoacid metabolic process	2.09E-03
GOTERM_CC_4	GO:0005874~microtubule	2.11E-03
GOTERM_BP_4	GO:0051248~negative regulation of protein metabolic process	2.26E-03
GOTERM_BP_4	GO:0030334~regulation of cell migration	2.29E-03
GOTERM_BP_4	GO:0032269~negative regulation of cellular protein metabolic process	2.39E-03
GOTERM_BP_4	GO:0007088~regulation of mitosis	2.56E-03
GOTERM_BP_4	GO:0051783~regulation of nuclear division	2.56E-03
GOTERM_MF_4	GO:0016538~cyclin-dependent protein kinase regulator activity	2.68E-03
GOTERM_BP_4	GO:0043412~biopolymer modification	2.69E-03
GOTERM_MF_4	GO:0003779~actin binding	2.87E-03
GOTERM_BP_4	GO:0006626~protein targeting to mitochondrion	3.32E-03
GOTERM_BP_4	GO:0051439~regulation of ubiquitin-protein ligase activity during mitotic cell cycle	3.47E-03
GOTERM_CC_4	GO:0005862~muscle thin filament tropomyosin	3.51E-03
GOTERM_MF_4	GO:0009982~pseudouridine synthase activity	3.63E-03
GOTERM_BP_4	GO:0051028~mRNA transport	3.64E-03
GOTERM_MF_4	GO:0005096~GTPase activator activity	3.76E-03
GOTERM_CC_4	GO:0000178~exosome (RNase complex)	3.99E-03
GOTERM_MF_4	GO:0005528~FK506 binding	4.34E-03
GOTERM_BP_4	GO:0051270~regulation of cell motion	4.79E-03
GOTERM_BP_4	GO:0010212~response to ionizing radiation	4.91E-03
GOTERM_CC_4	GO:0000313~organellar ribosome	4.97E-03
GOTERM_CC_4	GO:0005761~mitochondrial ribosome	4.97E-03
GOTERM_BP_4	GO:0007242~intracellular signaling cascade	5.20E-03

Supplementary Table 3

GOTERM_BP_4	GO:0050658~RNA transport	5.22E-03
GOTERM_BP_4	GO:0050657~nucleic acid transport	5.22E-03
GOTERM_BP_4	GO:0051236~establishment of RNA localization	5.22E-03
GOTERM_BP_4	GO:0045597~positive regulation of cell differentiation	5.31E-03
GOTERM_BP_4	GO:0051340~regulation of ligase activity	5.31E-03
GOTERM_BP_4	GO:0008610~lipid biosynthetic process	5.46E-03
GOTERM_BP_4	GO:0015931~nucleobase, nucleoside, nucleotide and nucleic acid transport	5.52E-03
GOTERM_BP_4	GO:0022603~regulation of anatomical structure morphogenesis	5.69E-03
GOTERM_CC_4	GO:0044430~cytoskeletal part	6.24E-03
GOTERM_BP_4	GO:0051259~protein oligomerization	6.29E-03
GOTERM_CC_4	GO:0033279~ribosomal subunit	6.96E-03
GOTERM_BP_4	GO:0034654~nucleobase, nucleoside, nucleotide and nucleic acid biosynthetic process	6.97E-03
GOTERM_BP_4	GO:0044262~cellular carbohydrate metabolic process	7.05E-03
GOTERM_BP_4	GO:0000082~G1/S transition of mitotic cell cycle	7.32E-03
GOTERM_BP_4	GO:0006720~isoprenoid metabolic process	7.36E-03
GOTERM_BP_4	GO:0007131~reciprocal meiotic recombination	7.51E-03
GOTERM_MF_4	GO:0003689~DNA clamp loader activity	7.65E-03
GOTERM_BP_4	GO:0031099~regeneration	7.73E-03
GOTERM_CC_4	GO:0046696~lipopolysaccharide receptor complex	8.13E-03
GOTERM_CC_4	GO:0016323~basolateral plasma membrane	8.16E-03
GOTERM_BP_4	GO:0051149~positive regulation of muscle cell differentiation	8.39E-03
GOTERM_CC_4	GO:0015934~large ribosomal subunit	8.47E-03
GOTERM_BP_4	GO:0042060~wound healing	8.67E-03
GOTERM_BP_4	GO:0033043~regulation of organelle organization	8.71E-03
GOTERM_BP_4	GO:0032268~regulation of cellular protein metabolic process	8.99E-03
GOTERM_BP_4	GO:0022604~regulation of cell morphogenesis	9.03E-03
GOTERM_MF_4	GO:0016876~ligase activity, forming aminoacyl-tRNA and related compounds	9.13E-03
GOTERM_MF_4	GO:0004518~nuclease activity	9.47E-03
GOTERM_BP_4	GO:0051436~negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle	9.97E-03
GOTERM_BP_4	GO:0019538~protein metabolic process	1.06E-02
GOTERM_CC_4	GO:0044452~nucleolar part	1.07E-02
GOTERM_BP_4	GO:0009309~amine biosynthetic process	1.11E-02
GOTERM_CC_4	GO:0000502~proteasome complex	1.11E-02
GOTERM_CC_4	GO:0048471~perinuclear region of cytoplasm	1.12E-02
GOTERM_BP_4	GO:0034623~cellular macromolecular complex disassembly	1.20E-02
GOTERM_BP_4	GO:0019318~hexose metabolic process	1.24E-02
GOTERM_CC_4	GO:0000922~spindle pole	1.27E-02
GOTERM_BP_4	GO:0006915~apoptosis	1.27E-02
GOTERM_BP_4	GO:0007052~mitotic spindle organization	1.28E-02
GOTERM_BP_4	GO:0048522~positive regulation of cellular process	1.30E-02
GOTERM_BP_4	GO:0051053~negative regulation of DNA metabolic process	1.32E-02
GOTERM_BP_4	GO:0009165~nucleotide biosynthetic process	1.34E-02
GOTERM_BP_4	GO:0016053~organic acid biosynthetic process	1.42E-02
GOTERM_CC_4	GO:0030054~cell junction	1.44E-02
GOTERM_BP_4	GO:0051437~positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle	1.45E-02
GOTERM_BP_4	GO:0000086~G2/M transition of mitotic cell cycle	1.46E-02
GOTERM_CC_4	GO:0005581~collagen	1.52E-02
GOTERM_BP_4	GO:0001570~vasculogenesis	1.56E-02
GOTERM_CC_4	GO:0030027~lamellipodium	1.58E-02

Supplementary Table 3

GOTERM_BP_4	GO:0043542~endothelial cell migration	1.84E-02
GOTERM_BP_4	GO:0034637~cellular carbohydrate biosynthetic process	1.84E-02
GOTERM_BP_4	GO:0051246~regulation of protein metabolic process	1.86E-02
GOTERM_BP_4	GO:0032270~positive regulation of cellular protein metabolic process	1.86E-02
GOTERM_BP_4	GO:0051247~positive regulation of protein metabolic process	2.05E-02
GOTERM_CC_4	GO:0005605~basal lamina	2.06E-02
GOTERM_BP_4	GO:0008284~positive regulation of cell proliferation	2.11E-02
GOTERM_BP_4	GO:0048468~cell development	2.24E-02
GOTERM_CC_4	GO:0044420~extracellular matrix part	2.28E-02
GOTERM_MF_4	GO:0003684~damaged DNA binding	2.54E-02
GOTERM_BP_4	GO:0048523~negative regulation of cellular process	2.54E-02
GOTERM_CC_4	GO:0000428~DNA-directed RNA polymerase complex	2.55E-02
GOTERM_BP_4	GO:0002208~somatic diversification of immunoglobulins during immune response	2.58E-02
GOTERM_BP_4	GO:0051319~G2 phase	2.59E-02
GOTERM_CC_4	GO:0032133~chromosome passenger complex	2.71E-02
GOTERM_BP_4	GO:0002562~somatic diversification of immune receptors via germline recombination within a single locus	2.79E-02
GOTERM_BP_4	GO:0031344~regulation of cell projection organization	2.80E-02
GOTERM_BP_4	GO:0016447~somatic recombination of immunoglobulin gene segments	2.84E-02
GOTERM_BP_4	GO:0002758~innate immune response-activating signal transduction	2.84E-02
GOTERM_CC_4	GO:0044429~mitochondrial part	3.00E-02
GOTERM_BP_4	GO:0048513~organ development	3.03E-02
GOTERM_CC_4	GO:0030880~RNA polymerase complex	3.08E-02
GOTERM_MF_4	GO:0016790~thiolester hydrolase activity	3.14E-02
GOTERM_CC_4	GO:0005759~mitochondrial matrix	3.18E-02
GOTERM_CC_4	GO:0031980~mitochondrial lumen	3.18E-02
GOTERM_CC_4	GO:0044445~cytosolic part	3.20E-02
GOTERM_MF_4	GO:0019900~kinase binding	3.23E-02
GOTERM_BP_4	GO:0010646~regulation of cell communication	3.27E-02
GOTERM_BP_4	GO:0050974~detection of mechanical stimulus involved in sensory perception	3.44E-02
GOTERM_BP_4	GO:0031109~microtubule polymerization or depolymerization	3.44E-02
GOTERM_BP_4	GO:0009966~regulation of signal transduction	3.56E-02
GOTERM_BP_4	GO:0051094~positive regulation of developmental process	3.56E-02
GOTERM_BP_4	GO:0006163~purine nucleotide metabolic process	3.63E-02
GOTERM_CC_4	GO:0000808~origin recognition complex	3.63E-02
GOTERM_BP_4	GO:0048660~regulation of smooth muscle cell proliferation	3.67E-02
GOTERM_BP_4	GO:0051651~maintenance of location in cell	3.67E-02
GOTERM_BP_4	GO:0043085~positive regulation of catalytic activity	3.67E-02
GOTERM_BP_4	GO:0032507~maintenance of protein location in cell	3.69E-02
GOTERM_MF_4	GO:0000049~tRNA binding	3.72E-02
GOTERM_BP_4	GO:0010769~regulation of cell morphogenesis involved in differentiation	3.80E-02
GOTERM_BP_4	GO:0048646~anatomical structure formation involved in morphogenesis	3.82E-02
GOTERM_CC_4	GO:0022626~cytosolic ribosome	3.98E-02
GOTERM_BP_4	GO:0017038~protein import	4.01E-02
GOTERM_BP_4	GO:0031100~organ regeneration	4.02E-02
GOTERM_BP_4	GO:0010975~regulation of neuron projection development	4.03E-02
GOTERM_CC_4	GO:0005732~small nucleolar ribonucleoprotein complex	4.03E-02
GOTERM_BP_4	GO:0048638~regulation of developmental growth	4.15E-02
GOTERM_CC_4	GO:0043601~nuclear replisome	4.17E-02
GOTERM_CC_4	GO:0030894~replisome	4.17E-02

Supplementary Table 3

GOTERM_BP_4	GO:0000904~cell morphogenesis involved in differentiation	4.20E-02
GOTERM_CC_4	GO:0044449~contractile fiber part	4.29E-02
GOTERM_BP_4	GO:002764~immune response-regulating signal transduction	4.48E-02
GOTERM_BP_4	GO:0030199~collagen fibril organization	4.74E-02
GOTERM_BP_4	GO:0006220~pyrimidine nucleotide metabolic process	4.85E-02
GOTERM_BP_4	GO:0030155~regulation of cell adhesion	4.86E-02
GOTERM_CC_4	GO:0019898~extrinsic to membrane	4.89E-02
GOTERM_BP_4	GO:0042127~regulation of cell proliferation	4.92E-02

Supplementary Table 4**Overlap of genes changing at D4 in NHNPs and between 18GW and 23GW *in vivo***

GeneName	Fold Change NHNPs	Fold Change <i>in vivo</i>*
KSP37	98.36	1.37
CALB2	66.26	1.68
TMEM46	63.12	-1.82
BCAN	18.77	1.31
CYP26A1	16.80	-2.00
SPON1	16.22	1.51
PPP1R1B	14.32	-1.56
GFRA2	14.03	1.80
CLSTN2	13.09	1.46
TKTL1	11.88	-2.27
GPR37L1	11.79	1.42
PTGDS	11.16	2.24
CHI3L2	10.70	1.37
RBP1	10.63	-1.50
OMG	10.34	1.82
LMO3	8.46	-1.32
MAOB	7.89	1.51
WNT5A	7.84	1.55
BCL11B	7.52	-1.44
CLU	7.26	1.57
PLEK	7.06	-1.35
NNAT	6.87	-1.31
RARB	6.82	-1.38
PLSCR4	6.68	1.38
GADD45G	6.59	-1.73
CD38	6.45	1.65
KCNK2	6.41	-1.36
PDGFD	6.15	-1.87
ST18	6.15	-1.98
FLJ31196	6.11	1.46
STC2	6.06	1.35
C1S	5.98	1.34
CSPG5	5.98	1.47
MFAP2	5.74	-1.98
SLC6A1	5.66	1.32
CHGB	5.46	1.39
KLF9	5.31	1.58
YPEL4	5.31	1.38
CEBPD	5.24	-1.33
PCP4	5.24	1.90
SNAP91	5.13	1.52
GPNMB	5.06	-1.45
CYP26B1	4.79	1.58
IGFBP5	4.69	1.41
ZNF91	4.47	-1.39

Supplementary Table 4

LIX1	4.41	2.08
SNCA	4.29	1.48
SNF1LK	4.26	-1.44
ZBTB20	4.26	1.40
MAPK10	3.92	1.37
SOX4	3.81	-1.35
CYP1B1	3.76	1.69
BBOX1	3.68	1.77
SLC39A12	3.68	1.33
AGT	3.66	2.72
RGN	3.61	1.46
ARHGAP20	3.53	1.31
ATP1B2	3.53	1.37
CD74	3.53	-1.43
FNDC5	3.51	1.32
AK5	3.46	1.45
TGFBI	3.46	1.35
ZNF312	3.46	-1.68
KCNIP4	3.43	1.69
AKR1C2	3.41	-1.44
CGI-38	3.41	2.07
G0S2	3.32	1.59
PTPRK	3.29	1.39
MAFB	3.23	1.59
STOX1	3.23	-1.49
CXCL12	3.20	1.61
RCOR2	3.14	-1.39
FLJ90013	3.12	1.43
RAB6B	3.12	1.38
CTSH	3.10	1.38
ECM2	3.10	1.48
CAMK2B	3.07	1.65
GAL	3.05	-1.43
GDF10	2.99	1.35
ANGPT1	2.97	1.52
OPCML	2.95	1.38
ATOH8	2.91	-1.31
MEIS2	2.91	-1.38
RPRM	2.91	1.48
SLC17A8	2.89	-2.36
ADHFE1	2.87	1.35
BEX2	2.85	-1.34
DGKB	2.83	1.34
SRGAP3	2.83	1.39
DIRAS2	2.79	1.43
PLEKHB1	2.77	1.69
MYCN	2.75	1.67
SERPINF1	2.73	1.44
FLJ20152	2.71	1.48

Supplementary Table 4

MAP7	2.71	1.64
NXN	2.71	-1.32
ADD3	2.68	1.38
RND3	2.68	-1.55
HLA-DRA	2.66	-1.69
NEBL	2.66	1.89
GFAP	2.62	2.29
PLXNC1	2.62	1.45
CRYM	2.60	-1.60
SCN3B	2.58	1.42
ATP2B4	2.57	1.32
ABAT	2.51	-1.74
RAI14	2.50	-1.48
TMSL8	2.50	-1.79
GDAP1L1	2.46	-1.35
GJB2	2.46	1.39
MBNL2	2.45	1.84
CHD5	2.41	1.35
SYNE2	2.41	-2.27
CTSB	2.39	1.32
ALDOC	2.38	1.58
SERTAD4	2.38	-1.36
ANKRD6	2.35	1.45
NRIP1	2.35	1.33
AQP4	2.30	3.07
ARRDC4	2.28	-1.37
CA8	2.28	1.39
LOC200810	2.27	1.89
ARHGEF3	2.25	1.37
MLC1	2.25	1.50
NAV2	2.23	1.39
ID2	2.20	-1.32
NCAM2	2.20	1.35
HIST2H2BE	2.19	-2.25
GLT8D2	2.17	1.34
PDZRN4	2.17	1.42
CAMK1G	2.14	1.33
JPH3	2.14	1.32
SLC1A2	2.14	1.31
AQP11	2.13	-1.44
PSD3	2.13	1.37
GUCY1B3	2.08	1.54
HIST1H2BD	2.08	-2.78
KIAA0367	2.08	1.49
TSRC1	2.08	1.36
KIAA0182	2.07	-1.36
FLJ31659	2.06	-1.46
RPS29	2.06	-1.91
SFRP1	2.06	-1.82

Supplementary Table 4

AGPAT4	2.03	1.31
PTCHD1	2.03	1.55
NAPB	2.01	1.31
CCDC23	2.00	-2.15
IL6ST	2.00	1.32
LRRTM3	1.99	1.42
IFIT1	1.96	-1.32
SLIT2	1.96	1.77
GAD1	1.95	1.38
AQP1	1.93	1.31
PROM1	1.93	1.74
SERTAD2	1.93	1.46
PPP2R2C	1.92	1.40
STEAP2	1.92	1.54
NTN4	1.91	1.55
TGFBR3	1.89	1.60
TP53INP1	1.88	-1.32
KIF5A	1.87	1.40
LOC401152	1.87	1.34
MDK	1.87	-1.45
ADC	1.85	1.48
GLG1	1.85	-1.42
TSPAN7	1.85	1.39
C1QTNF6	1.84	1.51
HPCA	1.83	1.87
SLC23A2	1.83	1.33
SLC26A7	1.83	1.83
CDH1	1.82	-1.53
PLAG1	1.82	-1.33
SORBS1	1.82	1.36
MDGA1	1.80	1.49
NRIP3	1.80	1.32
DACH1	1.79	-1.51
FSTL5	1.79	1.84
ING4	1.79	-1.58
SCUBE2	1.79	1.32
CG018	1.78	1.31
ATP6V0A1	1.77	-1.59
SOX5	1.77	-1.43
FKBP9L	1.75	1.59
CTSO	1.74	1.47
HGF	1.74	1.39
MOXD1	1.74	-2.21
WDR69	1.74	1.33
HIST1H2BG	1.73	-1.34
KLHL2	1.72	1.35
DPF3	1.71	1.38
RAB30	1.71	1.39
SHANK2	1.71	1.35

Supplementary Table 4

ZNF442	1.71	-1.31
HIST1H2AE	1.69	-1.88
TOX	1.69	-1.37
BMPR1B	1.68	1.43
TERF1	1.68	-1.40
TXNDC8	1.68	-1.50
TCN2	1.67	1.40
ZNF651	1.67	1.34
GATM	1.66	1.55
HIST1H4H	1.66	-1.62
KARCA1	1.66	1.35
MDH1B	1.66	1.32
SEZ6	1.66	-1.31
AKAP6	1.65	1.56
DNAH7	1.65	1.54
EDG4	1.65	-1.35
FLJ23834	1.65	-1.44
MGC33556	1.65	-1.42
UBE2D2	1.65	-1.34
SBP1	1.62	1.69
ABCB4	1.61	-1.31
FZD2	1.61	-1.48
NPC2	1.61	-1.41
OGFRL1	1.61	1.59
VPS41	1.61	-1.34
DNAL4	1.60	-1.42
EDNRB	1.60	1.78
NRP1	1.60	1.42
PARP11	1.60	-1.40
SCN4B	1.60	1.38
DKKL1	1.59	-1.36
PLD5	1.59	1.35
S100B	1.59	1.72
TIAM1	1.59	1.31
B3GALT2	1.58	-1.40
NUDT2	1.58	-1.32
NPAS3	1.57	1.50
RPL22	1.57	1.48
CA14	1.56	-1.31
DOCK3	1.56	1.32
GRIA4	1.56	1.45
KCND1	1.56	1.47
OGN	1.56	1.96
TUSC1	1.56	-1.32
FLJ23191	1.55	1.51
HIST1H4E	1.55	-1.44
NEO1	1.55	1.42
SP8	1.55	1.38
CTGF	1.54	1.32

Supplementary Table 4

GNAQ	1.54	1.31
GRP	1.54	1.40
MAN2B2	1.54	1.34
MLF1	1.54	1.47
NFIB	1.54	-1.59
NXPH3	1.54	-1.32
PSD	1.54	1.35
SATB1	1.54	1.34
TRIM22	1.54	1.57
ADAMTS6	1.53	-1.58
GCA	1.53	-1.38
MT1E	1.53	-1.81
MT1H	1.53	1.56
RDH12	1.53	1.38
COMMD3	1.52	-1.37
HES6	1.52	-1.59
PAIP2	1.52	-1.34
PIK3R1	1.52	1.70
TAPBP	1.52	1.52
FLJ21106	1.51	-1.37
LRRC37B	1.51	-1.69
SEC11L3	1.51	-1.43
USF2	1.51	-1.31
USP9X	1.51	-35.00
GPX7	-1.49	-1.30
PHF10	-1.49	1.60
BCL10	-1.51	1.43
BXDC5	-1.51	-1.58
DNMT2	-1.51	-1.38
GLIS3	-1.51	1.45
NOB1P	-1.51	1.38
PFN1	-1.51	-1.36
TOMM22	-1.51	-1.33
CASC5	-1.52	-2.10
EIF3S9	-1.52	-1.37
FBL	-1.52	-1.75
FKBP3	-1.52	-1.34
HNRPM	-1.52	-1.42
MYB	-1.52	-1.51
SWAP70	-1.52	1.39
TFAP2C	-1.52	-1.99
ARHGAP10	-1.53	1.32
CA10	-1.53	1.42
CHCHD3	-1.53	1.35
CXADR	-1.53	-1.33
NOLA3	-1.53	-1.58
TSEN2	-1.53	-1.32
ANXA1	-1.54	1.97
CCT3	-1.54	-1.37

Supplementary Table 4

GABPB2	-1.54	-1.36
GARNL4	-1.54	1.40
UBE2D3	-1.54	3.17
XKRX	-1.54	1.32
GPR109B	-1.55	1.45
GSTZ1	-1.55	-1.52
PLP2	-1.56	1.44
TIMM8A	-1.56	-1.62
TRNT1	-1.56	1.33
UCHL3	-1.56	-1.38
MKI67	-1.57	-1.80
PRIM2A	-1.57	-1.57
CSDA	-1.58	-1.90
FBLN2	-1.58	-1.61
MCTP1	-1.59	-1.44
PKIG	-1.59	-1.56
SLC25A37	-1.59	1.48
FABP3	-1.60	1.50
IGSF4D	-1.60	1.47
PSMD2	-1.60	-1.43
SNRPA	-1.60	-1.42
TRAP1	-1.60	-1.43
WDR67	-1.60	-1.30
DEK	-1.61	-1.34
DMN	-1.61	1.33
ITGB4BP	-1.61	-1.41
MGC61571	-1.61	-1.36
PDCL3	-1.61	-1.65
SLC2A13	-1.61	1.43
TSTA3	-1.61	-1.47
USP6NL	-1.61	-1.38
ZBTB8OS	-1.61	1.49
ARPC5L	-1.62	-1.37
GLOXD1	-1.62	1.61
HTATIP	-1.62	-1.30
LYPLA2	-1.62	-1.55
URB	-1.62	2.03
EPHA3	-1.64	-1.42
EZH2	-1.64	-1.62
FTSJ1	-1.64	-1.54
GK	-1.64	-2.10
HS3ST1	-1.64	-1.39
IL13RA2	-1.64	1.86
KIF15	-1.64	-1.73
LBH	-1.64	-1.40
LSAMP	-1.64	1.34
DNAH9	-1.65	1.32
GAS7	-1.65	1.48
RBL1	-1.65	-1.35

Supplementary Table 4

RTN4IP1	-1.65	-1.31
TPI1	-1.65	-1.64
CCNE2	-1.66	-1.63
RPL39L	-1.66	-1.51
HMGA2	-1.67	-1.41
ARHGAP19	-1.68	-1.88
ARHGDI1A	-1.68	-1.51
CENPF	-1.68	-1.43
CENTG2	-1.68	-1.32
KCNJ16	-1.69	1.34
BXDC1	-1.71	-1.51
CKS2	-1.71	-1.76
CNAP1	-1.71	-1.56
CPNE8	-1.71	2.18
MICB	-1.71	-1.31
PCNA	-1.72	-1.62
VDAC1	-1.72	-1.52
CXCR4	-1.73	1.34
GNG12	-1.73	1.36
MRPS7	-1.73	-1.36
NUDT22	-1.73	-1.31
RBP7	-1.73	1.81
E2F3	-1.74	1.39
TOP2A	-1.74	-2.66
AADA1	-1.75	1.33
DNAJC9	-1.75	1.36
LIN9	-1.77	-1.46
TLE4	-1.77	-1.61
WDR51B	-1.77	-1.39
CCT7	-1.78	-1.31
PAQR9	-1.79	1.31
SLC15A3	-1.79	-1.55
MRPL17	-1.80	-1.38
P2RX5	-1.80	1.90
RAP1GDS1	-1.80	1.39
OR6B1	-1.82	-1.32
PLA2G7	-1.82	-2.08
TGFB3	-1.82	1.90
TMEM20	-1.82	-1.33
TPMT	-1.83	1.87
DCBLD1	-1.84	1.39
MCM2	-1.84	-1.42
RASL11A	-1.84	1.33
ACSL4	-1.85	1.31
ADFP	-1.85	-1.36
RIMS4	-1.85	1.37
SPATA6	-1.85	1.55
TARS	-1.85	1.42
TOM1L2	-1.85	1.32

Supplementary Table 4

ALDH1A2	-1.87	1.64
SHC3	-1.88	1.49
SHMT2	-1.88	-1.41
ALS2CR4	-1.89	1.30
CHRNA7	-1.89	-1.34
COPS6	-1.89	-1.32
DGKG	-1.89	1.45
EXOSC9	-1.89	-1.31
BACE2	-1.91	-1.60
MASTL	-1.91	-1.52
CCNA1	-1.92	1.38
MCM3	-1.93	-1.32
NEXN	-1.93	-1.61
NME2	-1.93	-1.45
H2AFX	-1.95	-1.32
RUVBL1	-1.95	-1.30
DLG2	-1.96	1.89
NUSAP1	-1.96	-2.01
BUB1B	-1.97	-1.87
PTK2B	-1.97	1.81
ADAMTS3	-1.99	1.72
CRH	-1.99	2.74
EFEMP1	-1.99	1.34
PLK1	-1.99	-1.82
PPIL5	-1.99	-1.32
ASPM	-2.00	-1.71
KCTD9	-2.00	2.02
SCG2	-2.00	1.96
TIMELESS	-2.00	-1.49
TSPAN15	-2.00	-1.32
BAZ1A	-2.03	-1.33
MYO5A	-2.03	1.30
CDCA1	-2.06	-1.72
S100A11	-2.06	-1.37
LRFN5	-2.07	1.42
TMPO	-2.07	-1.35
HIST1H3C	-2.08	-5.11
ATAD2	-2.10	-1.35
TRPM3	-2.10	-1.31
MAF	-2.11	1.52
PPM2C	-2.11	1.33
PTTG1	-2.11	-1.71
COBL	-2.13	1.59
EMP3	-2.13	-1.30
CXCL14	-2.14	1.37
SNRPB	-2.16	-1.43
KNTC1	-2.17	-1.33
PRPS2	-2.17	1.45
RNASEH2A	-2.17	-1.33

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GRM8	-2.19	1.35
LOC56902	-2.19	-1.32
MBP	-2.19	1.39
SLC25A15	-2.19	1.33
SPAG5	-2.22	-1.39
CDK2	-2.27	-1.69
TNC	-2.27	1.61
ADA	-2.28	-1.34
RFC4	-2.28	-1.55
CBR3	-2.30	-1.31
MGC26856	-2.30	-1.63
NTNG1	-2.30	1.36
SRPX	-2.30	1.39
CDC25A	-2.31	-1.53
GSTO1	-2.31	-1.37
MCM5	-2.31	-1.35
NTF3	-2.31	2.51
PLK4	-2.31	-1.48
RNF128	-2.31	1.32
CDC6	-2.33	-1.41
DEPDC1B	-2.33	-1.49
KIF11	-2.36	-2.55
FLJ20516	-2.39	-1.54
NME1	-2.39	-1.40
ME1	-2.41	1.67
NTRK2	-2.43	1.37
WEE1	-2.43	-1.40
FCRLM1	-2.45	-1.32
KIAA1727	-2.45	-1.93
PRKCD	-2.45	1.38
CDKN2B	-2.46	-1.31
DIAPH3	-2.46	-1.71
KNTC2	-2.46	-1.54
BRCA1	-2.48	-1.38
NEK2	-2.48	-1.68
CRABP2	-2.50	-1.54
DTL	-2.50	-2.14
FANCD2	-2.50	-1.43
PBK	-2.50	-2.23
CASP7	-2.51	-1.47
FHL2	-2.51	-1.36
CENPE	-2.53	-1.42
ZNF365	-2.53	1.33
IL1RAP	-2.55	1.55
POLA2	-2.57	-1.34
STK17A	-2.60	-1.43
FLJ40629	-2.62	-1.68
TIMP4	-2.62	1.41
HTATIP2	-2.64	1.32

Supplementary Table 4

MPHOSPH1	-2.64	-1.38
UHRF1	-2.64	-1.48
GMPPB	-2.66	-1.32
ANLN	-2.68	-1.57
MYOM1	-2.68	1.50
KIAA0101	-2.69	-3.19
KIF14	-2.69	-1.93
PRC1	-2.69	-1.88
LOC51334	-2.71	1.74
OCIAD2	-2.71	-1.56
CDKN3	-2.73	-1.52
KIAA0746	-2.73	-1.47
KLHL4	-2.75	1.90
NRGN	-2.75	1.41
RAD51AP1	-2.75	-2.25
TYMS	-2.75	-1.35
ZWINT	-2.75	-1.96
PDE8B	-2.81	-1.39
POLE2	-2.81	-1.62
CDC2	-2.85	-1.73
TMC7	-2.85	-1.93
CHRNA1	-2.89	1.44
NP	-2.89	-1.42
RASGRF2	-2.95	2.57
TPX2	-2.95	-1.84
MCM10	-3.07	-1.58
EML1	-3.14	-1.33
CCNB2	-3.16	-2.30
GMNN	-3.16	-1.50
TTK	-3.18	-1.79
UCP2	-3.18	-1.31
CDCA3	-3.20	-1.75
KIF2C	-3.20	-1.39
SGOL1	-3.20	-1.56
ASF1B	-3.23	-1.85
BIRC5	-3.23	-1.39
EXO1	-3.23	-1.74
CDCA2	-3.25	-1.77
FLJ20105	-3.27	-1.31
KIF20A	-3.27	-1.80
DBX2	-3.29	1.77
CCNA2	-3.32	-1.62
CDCA8	-3.46	-1.81
RPL8	-3.51	-1.32
LRRC8C	-3.53	1.37
AURKB	-3.61	-1.64
FLJ25416	-3.63	-1.33
GTSE1	-3.66	-1.42
CENPA	-3.68	-1.63

Supplementary Table 4

MGC4677	-3.68	1.33
MCM7	-3.71	-1.36
HELLS	-3.84	-1.41
HCAP-G	-3.86	-2.25
PTPRT	-3.86	1.31
HMGA1	-3.92	-1.36
SYNJ2	-3.94	1.48
KIF18A	-3.97	-1.92
CBLN4	-4.03	-1.58
BUB1	-4.08	-1.62
E2F7	-4.08	-1.50
KIF23	-4.11	-2.21
GLIPR1	-4.26	-1.41
PNOG	-4.26	1.69
DSU	-4.47	1.32
DLG7	-4.50	-2.32
ADAMTS9	-4.53	1.32
PHF19	-4.53	-1.69
RRM2	-4.59	-2.38
LGR4	-4.63	1.46
CDC20	-4.69	-3.71
CSMD2	-4.82	1.31
SVIL	-4.82	-1.36
MELK	-5.17	-1.82
LOX	-5.24	1.34
LPL	-5.24	1.30
SNAI2	-5.39	1.64
CHRNA9	-5.46	-1.36
KCNK10	-5.50	1.31
PRKCB1	-6.28	1.70
PCDH20	-6.32	2.17
KCNJ2	-6.59	-2.06
SYT6	-6.59	-1.40
NETO1	-6.63	1.79
GEM	-7.67	1.58
STS-1	-7.78	1.37
SPRY4	-9.25	1.37
HOMER2	-10.13	1.61
LOC285016	-11.08	-1.53
MAMDC2	-23.75	-1.40

*Johnson et al., 2009

Supplementary Table 5
Module Characterization

Module	Timepoint PC	Function PC Winden et al.	Pvalue Winden	Function PC Oldham et al.	Pvalue Oldham
Black	2->4	glutamatergic neurons; presynaptic fraction	2.72E-02	oligodendrocytes; GABAergic neurons	1.19E-07
Blue	0->8	glutamatergic neurons; presynaptic fraction	2.74E-02	oligodendrocytes; GABAergic neurons	1.10E-04
Brown	n/a				
Cyan	n/a				
Darkcyan	n/a				
Darkmagenta	0	glutamatergic neurons; presynaptic fraction	1.35E-02	astrocytes; GABAergic neurons	5.93E-05
Gold4	n/a				
Green	2			astrocytes; GABAergic neurons	3.80E-09
Hotpink	2->4				
Magenta	n/a				
Navy	2->4			oligodendrocytes; GABAergic neurons	2.90E-06
Orange	n/a				
Pink	0->8			oligodendrocytes; GABAergic neurons	5.37E-24
Purple	n/a				
Red	n/a				
Royalblue	0	glutamatergic neurons; presynaptic fraction	4.48E-02	oligodendrocytes; GABAergic neurons	7.82E-19
Salmon	0->8			astrocytes; GABAergic neurons	1.18E-06
Seagreen	8				
Skyblue	0->8	LGN interneurons; nucleus	7.29E-03	neurons; synaptic proteins	6.13E-06
Tan	0				
Turquoise	2->4			oligodendrocytes; GABAergic neurons	2.54E-08
Yellow	0	basolateral amygdala and layers V & VI pyramidal neurons	1.46E-02	astrocytes; GABAergic neurons	7.68E-04

PC=principle component or eigengene

Winden et al., 2009, Molecular Systems Biology

Oldham et al., 2008, Nature Neuroscience

Supplementary Table 6

WGCNA gene membership and information

Gene_Symbol	Trx_Name	SNP	SNP_P_value	Module	scaled_kWithin	Disease
<i>ADAMTSL2</i>	NM_014694	rs895596	1.82E-02	black	0.39790	
<i>ADC</i>	NM_052998	rs1187061	9.45E-03	black	0.60083	
<i>ADM</i>	NM_001124	rs2900384	2.35E-02	black	0.71760	
<i>AKAP12</i>	NM_005100	rs7781309	1.39E-02	black	0.37963	
<i>AKR1C2</i>	NM_001354	rs4765803	4.53E-04	black	0.81571	
<i>ALAD</i>	NM_001003945	NA	NA	black	0.81003	
<i>ALDOC</i>	NM_005165	rs9393495	2.01E-03	black	0.69557	
<i>ANGPT1</i>	NM_001146	rs7610766	6.88E-04	black	0.69471	
<i>ANKRD25</i>	NM_015493	NA	NA	black	0.55261	
<i>ANKRD37</i>	NM_181726	rs6444054	1.13E-02	black	0.62694	
<i>ANXA2</i>	NM_001002857	rs10515989	6.29E-03	black	0.93190	
<i>ARG2</i>	NM_001172	rs9911654	6.65E-04	black	0.52621	
<i>ARHGEF3</i>	NM_019555	rs9537662	3.67E-03	black	0.90771	
<i>ARHGEF7</i>	NM_003899	rs3797755	5.65E-03	black	0.43284	
<i>ARPC1B</i>	NM_005720	rs3851623	5.05E-03	black	0.63802	
<i>ARSF</i>	NM_004042	NA	NA	black	0.68115	
<i>ASB7</i>	NM_024708	rs992708	1.48E-02	black	0.15218	
<i>ATG16L1</i>	NM_030803	rs7555113	5.25E-02	black	0.60602	
<i>ATP6V0A2</i>	NM_012463	rs11199716	9.71E-03	black	0.75241	
<i>AXUD1</i>	NM_033027	NA	NA	black	0.74439	
<i>BBS12</i>	NM_152618	rs11711456	3.29E-03	black	0.65128	
<i>BCL2L12</i>	NM_001040668	rs2012146	5.82E-03	black	0.85138	
<i>BCL2L12</i>	NM_052842	NA	NA	black	0.82988	
<i>BDNF</i>	NM_001709	rs7171078	2.53E-02	black	0.96617	
<i>BHLHB3</i>	NM_030762	NA	NA	black	0.49353	
<i>BOK</i>	NM_032515	rs524489	2.87E-01	black	0.53842	
<i>C10orf26</i>	NM_017787	rs985453	8.93E-03	black	0.68381	
<i>C14orf152</i>	NM_138344	NA	NA	black	0.78771	
<i>C1orf115</i>	NM_024709	rs364360	2.49E-01	black	0.67889	
<i>C1orf190</i>	NM_001013615	rs1374748	2.16E-03	black	0.46016	
<i>C20orf177</i>	NM_022106	rs11720285	3.84E-02	black	0.78579	
<i>C20orf19</i>	NM_018474	NA	NA	black	0.11937	
<i>C20orf39</i>	NM_024893	NA	NA	black	0.74457	
<i>C2orf32</i>	NM_015463	NA	NA	black	0.77305	
<i>C3orf34</i>	NM_032898	rs788008	8.53E-02	black	0.40047	
<i>C5orf4</i>	NM_032385	rs713119	8.01E-03	black	0.70175	
<i>C6orf148</i>	NM_030568	NA	NA	black	0.73956	
<i>C6orf165</i>	NM_001031743	rs2519908	4.33E-03	black	0.42990	
<i>C6orf165</i>	NM_178823	NA	NA	black	0.41909	
<i>C6orf35</i>	NM_018452	NA	NA	black	0.43184	
<i>C9orf91</i>	NM_153045	rs1544155	1.48E-04	black	0.50490	
<i>CABC1</i>	NM_020247	NA	NA	black	0.31965	
<i>CACNA2D3</i>	NM_018398	rs1498821	3.94E-04	black	0.35246	
<i>CACNB3</i>	NM_000725	rs12591300	7.52E-03	black	0.63061	
<i>CACNG5</i>	NM_014404	rs2983452	5.33E-03	black	0.32036	

Supplementary Table 6

<i>CAMK2G</i>	NM_172172	NA	NA	black	0.73765
<i>CAV1</i>	NM_001753	rs763229	6.19E-04	black	0.74967
<i>CAV2</i>	NM_001233	rs4978567	4.01E-03	black	0.38991
<i>CBLN1</i>	NM_004352	rs2352593	7.87E-03	black	0.47980
<i>CBLN4</i>	NM_080617	rs7955088	1.31E-02	black	0.81301
<i>CCM2</i>	NM_031443	rs6066149	2.75E-03	black	0.57539
<i>CCND1</i>	NM_053056	rs11814376	4.27E-04	black	0.85494
<i>CCNG2</i>	NM_004354	rs3808902	9.90E-03	black	0.65991
<i>CCR10</i>	NM_016602	rs12164905	7.41E-03	black	0.71636
<i>CCRN4L</i>	NM_012118	rs16910093	1.87E-02	black	0.84626
<i>CD200</i>	NM_001004196	rs4608128	3.36E-03	black	0.92375
<i>CD74</i>	NM_001025159	rs11797944	7.37E-03	black	0.62933
<i>CDCA4</i>	NM_017955	rs3924892	1.64E-02	black	0.78044
<i>CDKN1B</i>	NM_004064	rs1326800	7.69E-03	black	0.13909
<i>CDKN2B</i>	NM_078487	rs7954180	7.51E-03	black	0.54227
<i>CDR2</i>	NM_001802	rs2473322	3.38E-03	black	0.91549
<i>CHN2</i>	NM_004067	rs1958979	1.19E-03	black	0.60668
<i>CHRNA9</i>	NM_017581	rs16869484	1.46E-02	black	0.90792
<i>CHRNB1</i>	NM_000747	rs6463669	3.78E-03	black	0.78392
<i>CITED2</i>	NM_006079	rs6954902	1.26E-02	black	0.46389
<i>CNN2</i>	NM_004368	rs4816153	1.13E-02	black	0.77974
<i>CNN2</i>	NM_201277	rs4816153	1.13E-02	black	0.62131
<i>CNNM4</i>	NM_020184	rs9297966	4.90E-03	black	0.59099
<i>COL18A1</i>	NM_030582	rs6429566	4.80E-03	black	0.61215
<i>CREB5</i>	NM_182898	rs9579284	1.02E-04	black	0.16032
<i>CREB5</i>	NM_001011666	rs11840398	1.32E-03	black	0.21159
<i>CRH</i>	NM_000756	rs10996684	9.43E-03	black	0.48478
<i>CX3CL1</i>	NM_002996	rs11004346	1.36E-02	black	0.67321
<i>CXCL14</i>	NM_004887	rs6430516	3.38E-02	black	0.64179
<i>CXCR4</i>	NM_001008540	rs322240	4.82E-02	black	0.47965
<i>CXorf6</i>	NM_005491	NA	NA	black	0.43242
<i>CYTL1</i>	NM_018659	rs4765803	4.53E-04	black	0.28745
<i>DBP</i>	NM_001352	rs258596	1.49E-02	black	0.62381
<i>DDIT4L</i>	NM_145244	rs11765661	5.04E-03	black	0.84241
<i>DDX21</i>	NM_004728	rs1494797	3.86E-03	black	0.86332
<i>DDX31</i>	NM_022779	rs4645436	2.58E-03	black	0.32767
<i>DHX34</i>	NM_194428	NA	NA	black	0.51764
<i>DIAPH1</i>	NM_005219	rs12641953	4.40E-05	black	0.44843
<i>DIXDC1</i>	NM_001037954	rs4627009	4.46E-03	black	0.66224
<i>DKFZP586H2123</i>	NM_001001991	NA	NA	black	0.68789
<i>DNM3</i>	NM_015569	rs1488109	2.25E-03	black	0.43981
<i>DSCR1</i>	NM_203417	NA	NA	black	0.44562
<i>DSCR1</i>	NM_203418	NA	NA	black	0.36776
<i>DUSP4</i>	NM_001394	rs6518702	3.87E-02	black	0.35955
<i>DUSP5</i>	NM_004419	rs4907726	1.79E-02	black	0.57209
<i>DUSP6</i>	NM_001946	rs17164472	1.47E-03	black	0.43539
<i>DUSP6</i>	NM_022652	rs17164472	1.47E-03	black	0.39151
<i>DYNC111</i>	NM_004411	rs6834248	4.90E-03	black	0.61115
<i>DYRK1B</i>	NM_004714	rs6066149	2.75E-03	black	0.23194

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<i>E2F3</i>	NM_001949	rs9295471	1.55E-03	black	0.88919	
<i>EDG1</i>	NM_001400	NA	NA	black	0.80080	
<i>EFHD2</i>	NM_024329	rs4416821	2.73E-03	black	0.78241	
<i>EHD4</i>	NM_139265	rs954017	3.03E-03	black	0.97661	
<i>EML4</i>	NM_019063	rs1359186	5.54E-03	black	0.62994	
<i>EPHA2</i>	NM_004431	rs10508507	1.28E-03	black	0.64624	
<i>EPHA5</i>	NM_004439	rs6730703	5.70E-03	black	0.68562	
<i>EPHB3</i>	NM_004443	rs11720282	6.60E-02	black	0.79670	
<i>ERF</i>	NM_006494	rs6458566	4.20E-03	black	0.52248	
<i>ERRF1</i>	NM_018948	rs2149111	1.36E-02	black	0.98454	
<i>ETV5</i>	NM_004454	rs6777779	9.97E-03	black	0.77992	
<i>ETV5</i>	NM_004454	rs6777779	9.97E-03	black	0.95173	
<i>EYA3</i>	NM_172098	NA	NA	black	0.53966	
<i>FAM105B</i>	NM_138348	rs12601076	5.77E-03	black	0.87604	
<i>FAM123A</i>	NM_199138	rs10054106	4.55E-03	black	0.62204	
<i>FAM130A2</i>	NM_024969	NA	NA	black	0.94624	
<i>FAM38A</i>	NM_014745	NA	NA	black	0.88432	
<i>FAM43B</i>	NM_207334	rs966864	9.07E-04	black	0.79913	
<i>FAM5B</i>	NM_021165	rs1402641	4.72E-02	black	0.66965	
<i>FAP</i>	NM_004460	rs1338626	5.66E-02	black	0.59152	
<i>FKBP5</i>	NM_004117	rs12053698	8.68E-04	black	0.90230	
<i>FLJ22374</i>	NM_032222	NA	NA	black	0.55191	
<i>FLJ23514</i>	NM_021827	NA	NA	black	0.32464	
<i>FLJ23584</i>	NM_024588	NA	NA	black	0.66038	
<i>FLJ33790</i>	NM_173583	NA	NA	black	0.77745	
<i>FLJ38159</i>	NM_152723	NA	NA	black	0.23553	
<i>FLJ40852</i>	NM_173677	NA	NA	black	0.37278	
<i>FLNC</i>	NM_001458	rs4759808	2.03E-02	black	0.74371	
<i>FLRT3</i>	NM_013281	rs727668	1.24E-03	black	0.51601	
<i>FOXJ1</i>	NM_001454	rs2035921	1.01E-03	black	0.81450	
<i>FRAT1</i>	NM_181355	NA	NA	black	0.35135	
<i>FRMD4A</i>	NM_018027	rs11023030	1.12E-03	black	0.85120	
<i>FRMD6</i>	NM_152330	rs9535757	1.13E-02	black	0.44450	
<i>FSIP1</i>	NM_152597	rs13302352	2.28E-04	black	0.65700	
<i>Gcom1</i>	NM_001018100	rs159076	9.14E-04	black	0.69086	
<i>Gcom1</i>	NM_001018096	NA	NA	black	0.84593	
<i>GEM</i>	NM_005261	rs2623167	1.53E-02	black	0.64671	
<i>GEM</i>	NM_181702	rs2623167	1.53E-02	black	0.84589	
<i>GLCCI1</i>	NM_138426	rs16879418	7.85E-03	black	0.17727	
<i>GLRA2</i>	NM_002063	NA	NA	black	0.83700	autism
<i>GNAO1</i>	NM_138736	rs930185	4.24E-03	black	0.70622	
<i>GPR23</i>	NM_005296	NA	NA	black	0.75904	
<i>GPR3</i>	NM_005281	rs929620	1.23E-02	black	0.79864	
<i>GPR88</i>	NM_022049	rs1491241	1.07E-02	black	0.88613	
<i>GRAMD3</i>	NM_023927	rs7011543	1.77E-03	black	0.90834	
<i>GRB10</i>	NM_005311	rs6097043	9.55E-04	black	0.42037	
<i>GRB10</i>	NM_005311	rs6097043	9.55E-04	black	0.49545	
<i>GRK5</i>	NM_005308	rs7923896	2.73E-03	black	0.55865	
<i>GUCY1A3</i>	NM_000856	rs9870721	5.19E-03	black	0.61248	

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<i>HIST1H4E</i>	NM_003545	rs2830008	1.25E-02	black	0.37668
<i>HLA-DMA</i>	NM_006120	rs6989877	5.20E-03	black	0.60352
<i>HLA-DQA</i>	NM_002119	rs4799438	1.08E-02	black	0.27778
<i>HLA-DPA1</i>	NM_033554	rs611473	1.14E-02	black	0.76580
<i>HLA-DPB1</i>	NM_002121	rs11082000	4.56E-03	black	0.63221
<i>HLA-DQA1</i>	XM_936120	NA	NA	black	0.82200
<i>HLA-DRB4</i>	NM_021983	NA	NA	black	0.17812
<i>HMGA1</i>	NM_145899	rs2009681	2.07E-02	black	0.77914
<i>HMGCR</i>	NM_000859	rs274580	1.75E-02	black	0.62126
<i>HMP19</i>	NM_015980	rs2676511	2.73E-02	black	0.81312
<i>HRIHFB2122</i>	NM_138632	rs752775	3.98E-03	black	0.51537
<i>HRIHFB2122</i>	NM_138632	rs752775	3.98E-03	black	0.30993
<i>HRK</i>	NM_003806	rs4596520	6.29E-03	black	0.84254
<i>HSPA1L</i>	NM_005527	rs905836	8.09E-04	black	0.76168
<i>HSPA2</i>	NM_021979	rs7625805	1.72E-02	black	0.39377
<i>HSPB8</i>	NM_014365	rs735620	9.35E-03	black	0.74710
<i>HSPC111</i>	NM_016391	NA	NA	black	0.75033
<i>IFIT1</i>	NM_001548	rs3763616	4.70E-04	black	0.75501
<i>IFIT2</i>	NM_001547	rs1957082	2.29E-02	black	0.91221
<i>IL11</i>	NM_000641	rs10877757	1.56E-02	black	0.81234
<i>IL27RA</i>	NM_004843	rs11718142	1.16E-02	black	0.55059
<i>INA</i>	NM_032727	rs12370774	3.07E-02	black	0.71610
<i>INSIG1</i>	NM_198336	rs2862073	9.57E-04	black	0.26491
<i>IQCA</i>	NM_024726	NA	NA	black	0.23872
<i>IRAK2</i>	NM_001570	rs11249984	8.36E-04	black	0.80002
<i>ITGA7</i>	NM_002206	rs1498821	3.94E-04	black	0.44741
<i>ITPKB</i>	NM_002221	rs708777	3.78E-02	black	0.50525
<i>JAG1</i>	NM_000214	rs7965052	1.41E-03	black	0.95264
<i>JUN</i>	NM_002228	rs2037458	2.07E-03	black	0.92704
<i>JUP</i>	NM_021991	rs9306949	1.63E-03	black	0.79176
<i>KARCA1</i>	NM_152366	NA	NA	black	0.66482
<i>KCNA5</i>	NM_002234	rs11908536	2.51E-03	black	0.39037
<i>KCNF1</i>	NM_002236	rs17365678	5.36E-03	black	0.73267
<i>KCNJ2</i>	NM_000891	rs8066863	3.20E-03	black	0.95383
<i>KCNJ8</i>	NM_004982	rs13152723	5.15E-03	black	0.83926
<i>KCTD9</i>	NM_017634	rs1544369	5.45E-03	black	0.74965
<i>KIAA0020</i>	NM_014878	rs956764	2.69E-03	black	0.79235
<i>KIAA0240</i>	NM_015349	rs1981008	4.49E-03	black	0.55935
<i>KIAA0286</i>	NM_015257	NA	NA	black	0.54065
<i>KIAA1543</i>	NM_001080429	rs12445659	1.28E-03	black	0.20691
<i>KIAA1543</i>	XM_048362	NA	NA	black	0.40535
<i>KIAA1559</i>	NM_020917	NA	NA	black	0.47555
<i>KIAA1598</i>	NM_018330	rs2782209	2.02E-03	black	0.77323
<i>KIAA1754</i>	NM_033397	NA	NA	black	0.89494
<i>KIAA1853</i>	NM_194286	NA	NA	black	0.92280
<i>KIT</i>	NM_000222	rs1461796	1.11E-03	black	0.21376
<i>L1CAM</i>	NM_000425	NA	NA	black	0.33335
<i>LAMC1</i>	NM_002293	rs1863151	6.70E-04	black	0.65666
<i>LDLR</i>	NM_000527	rs10733219	3.82E-03	black	0.98441

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<i>LEF1</i>	NM_016269	rs1327470	1.65E-03	black	0.72078	
<i>LETMD1</i>	NM_015416	rs9296619	1.78E-02	black	0.51458	
<i>LIMS1</i>	NM_004987	rs537111	5.40E-05	black	0.86916	
<i>LINCR</i>	NM_001080535	NA	NA	black	0.38106	
<i>LMNA</i>	NM_005572	rs1294092	2.59E-02	black	0.82680	
<i>LMNA</i>	NM_005572	rs1294092	2.59E-02	black	0.89245	
<i>LOC112703</i>	NM_138411	NA	NA	black	0.67832	
<i>LOC124751</i>	NM_213597	NA	NA	black	0.29839	
<i>LOC283537</i>	NM_181785	NA	NA	black	0.51836	
<i>LOC57228</i>	NM_001031628	NA	NA	black	0.88141	
<i>LOC57228</i>	NM_001031628	NA	NA	black	0.66553	
<i>LOC653170</i>	XM_926321	NA	NA	black	0.89267	
<i>LOC81558</i>	NM_030802	NA	NA	black	0.24831	
<i>LOC91461</i>	NM_138370	NA	NA	black	0.76941	
<i>LOC92270</i>	NM_001017971	NA	NA	black	0.43926	
<i>LONRF2</i>	NM_198461	rs12428596	6.52E-03	black	0.70676	
<i>LPPR4</i>	NM_014839	rs10509714	1.22E-03	black	0.58815	
<i>LRCH2</i>	NM_020871	NA	NA	black	0.69941	
<i>LRFN2</i>	NM_020737	rs764444	9.46E-04	black	0.74115	
<i>LRRC3B</i>	NM_052953	rs219667	3.51E-03	black	1.00000	
<i>LRRCC1</i>	NM_033402	rs1560977	1.01E-02	black	0.81020	
<i>LRRN5</i>	NM_006338	NA	NA	black	0.72730	
<i>LRRTM2</i>	NM_015564	rs176382	1.20E-02	black	0.25532	
<i>LSM10</i>	NM_032881	rs2835340	1.71E-02	black	0.71134	
<i>LZTS1</i>	NM_021020	rs675465	4.63E-04	black	0.35223	
<i>MAOA</i>	NM_000240	NA	NA	black	0.36439	autism
<i>MAP3K4</i>	NM_006724	rs6678820	2.27E-02	black	0.70529	
<i>MAPK8IP1</i>	NM_005456	rs2428684	4.57E-03	black	0.54782	
<i>MAPK8IP2</i>	NM_012324	rs2217167	5.31E-03	black	0.32321	
<i>METTL1</i>	NM_005371	rs12586157	1.48E-03	black	0.69149	
<i>METTL7B</i>	NM_152637	rs1498821	3.94E-04	black	0.79018	
<i>MFAP3L</i>	NM_021647	rs10930434	2.03E-02	black	0.20836	
<i>MGC17330</i>	NM_052880	NA	NA	black	0.95550	
<i>MGC33584</i>	NM_173680	NA	NA	black	0.67088	
<i>MGC42105</i>	NM_153361	rs8140396	3.46E-03	black	0.87153	
<i>MGC4677</i>	NM_052871	NA	NA	black	0.91155	
<i>MGP</i>	NM_000900	rs4140562	3.43E-02	black	0.82739	
<i>MICAL-L2</i>	NM_182924	NA	NA	black	0.31111	
<i>MORN3</i>	NM_173855	rs943259	5.76E-02	black	0.11178	
<i>MRFAP1L1</i>	NM_203462	rs8102571	2.19E-02	black	0.33472	
<i>MRPS12</i>	NM_021107	rs2297198	4.00E-03	black	0.44453	
<i>MSI2</i>	NM_170721	rs4687554	2.45E-03	black	0.86565	
<i>MSRB3</i>	NM_198080	rs696014	5.31E-03	black	0.31710	
<i>MSRB3</i>	NM_198080	rs696014	5.31E-03	black	0.29955	
<i>MTP18</i>	NM_001003704	NA	NA	black	0.71499	
<i>MTP18</i>	NM_016498	NA	NA	black	0.88830	
<i>MTP18</i>	NM_016498	NA	NA	black	0.77240	
<i>MTUS1</i>	NM_001001924	rs4504735	1.34E-03	black	0.84298	
<i>MTUS1</i>	NM_001001931	rs4504735	1.34E-03	black	0.92078	

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<i>MXI1</i>	NM_001008541	rs11613438	6.58E-03	black	0.91696	
<i>MXI1</i>	NM_130439	rs11613438	6.58E-03	black	0.74180	
<i>MYBPC1</i>	NM_002465	rs1567663	1.52E-03	black	0.42447	
<i>MYO1E</i>	NM_004998	rs10783915	5.19E-04	black	0.30689	
<i>MYO9B</i>	NM_004145	rs2959618	1.92E-03	black	0.68072	
<i>NBLA10383</i>	NM_173622	NA	NA	black	0.81987	
<i>NEDD4</i>	NM_198400	rs12582022	5.55E-03	black	0.79209	
<i>NEDD9</i>	NM_182966	rs2242451	3.01E-03	black	0.30338	
<i>NIP7</i>	NM_016101	rs1391111	4.68E-02	black	0.74403	
<i>NKD2</i>	NM_033120	rs789029	4.51E-03	black	0.16883	
<i>NMB</i>	NM_021077	rs1966850	1.93E-02	black	0.70181	
<i>NOL4</i>	NM_003787	rs2394180	9.99E-04	black	0.63758	
<i>NOL9</i>	NM_024654	rs348384	1.79E-02	black	0.14868	
<i>NOVA1</i>	NM_006491	rs4307059	1.07E-05	black	0.87491	
<i>NRG1</i>	NM_013961	NA	NA	black	0.72100	
<i>NRXN1</i>	NM_004801	rs17504439	7.67E-04	black	0.65934	autism
<i>NUPR1</i>	NM_001042483	rs1331894	6.96E-04	black	0.43173	
<i>NY-SAR-48</i>	NM_001011699	NA	NA	black	0.51994	
<i>OCIAD2</i>	NM_001014446	rs2255532	1.51E-03	black	0.74377	
<i>OGFRL1</i>	NM_024576	rs8094564	4.67E-02	black	0.60840	
<i>OSAP</i>	NM_032623	NA	NA	black	0.25809	
<i>P8</i>	NM_012385	rs1331894	6.96E-04	black	0.49715	
<i>PAG1</i>	NM_018440	rs1034783	3.16E-03	black	0.55124	
<i>PAK7</i>	NM_020341	rs17439103	2.79E-04	black	0.81257	
<i>PANX2</i>	NM_052839	rs2215361	1.39E-02	black	0.65836	
<i>PCDH19</i>	NM_020766	NA	NA	black	0.55607	autism
<i>PCDHGC3</i>	NM_032402	rs9838798	1.08E-02	black	0.35212	
<i>PCGF6</i>	NM_001011663	rs4946582	3.63E-03	black	0.36198	
<i>PCMTD1</i>	NM_052937	rs2336669	3.20E-03	black	0.60436	
<i>PDZRN3</i>	NM_015009	rs10879852	1.42E-03	black	0.57768	
<i>PDZRN3</i>	NM_015009	rs10879852	1.42E-03	black	0.21198	
<i>PDZRN4</i>	NM_013377	rs3783167	2.13E-04	black	0.81455	
<i>PHACTR3</i>	NM_080672	rs11852448	1.04E-03	black	0.83681	
<i>PHACTR3</i>	NM_183246	rs10401904	6.68E-03	black	0.73432	
<i>PHLDA1</i>	NM_007350	rs1374879	1.14E-02	black	0.88631	
<i>PI4KII</i>	NM_018425	NA	NA	black	0.44871	
<i>PIM3</i>	NM_001001852	rs9591249	1.63E-02	black	0.21838	
<i>PKIA</i>	NM_006823	rs7720696	1.03E-02	black	0.80714	
<i>PKIA</i>	NM_006823	rs7720696	1.03E-02	black	0.49965	
<i>PKIA</i>	NM_181839	rs7720696	1.03E-02	black	0.78172	
<i>PLCH2</i>	NM_014638	rs11715813	1.90E-02	black	0.55799	
<i>PLEKHF1</i>	NM_024310	rs2251817	1.86E-03	black	0.32951	
<i>PLEKHG2</i>	NM_022835	rs85021	7.05E-03	black	0.57054	
<i>PPAN</i>	NM_020230	rs4073397	9.05E-03	black	0.72583	
<i>PPRC1</i>	NM_015062	rs2399931	4.14E-03	black	0.75721	
<i>PRDM2</i>	NM_012231	rs11023030	1.12E-03	black	0.46760	
<i>PRKAB2</i>	NM_005399	rs1354496	1.60E-02	black	0.61902	
<i>PRKAG2</i>	NM_001040633	rs4725434	9.55E-04	black	0.24054	
<i>PRKCD</i>	NM_212539	rs723615	2.50E-02	black	0.54157	

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<i>PRKCZ</i>	NM_002744	rs2108636	3.73E-03	black	0.73684	
<i>PRRT1</i>	NM_030651	rs1531746	2.37E-02	black	0.25465	
<i>PTHLH</i>	NM_198965	rs2815545	8.15E-03	black	0.93501	
<i>PTHLH</i>	NM_198966	rs2815545	8.15E-03	black	0.39843	
<i>PTPN9</i>	NM_002833	rs10879852	1.42E-03	black	0.24493	
<i>PTPN9</i>	NM_002833	rs10879852	1.42E-03	black	0.76145	
<i>PTPRR</i>	NM_002849	rs17087818	2.83E-05	black	0.81208	
<i>PTRF</i>	NM_012232	rs6733157	1.89E-02	black	0.84174	
<i>PTRH2</i>	NM_016077	rs7738215	1.15E-02	black	0.61237	
<i>PUS1</i>	NM_025215	rs4863907	2.93E-02	black	0.76726	
<i>PUSL1</i>	NM_153339	rs4640842	1.68E-04	black	0.39042	
<i>RAB20</i>	NM_017817	rs7637614	1.59E-02	black	0.15173	
<i>RAB30</i>	NM_014488	rs17260258	5.40E-03	black	0.44475	
<i>RAB34</i>	NM_031934	rs7997448	2.01E-02	black	0.75371	
<i>RAB37</i>	NM_175738	rs10506635	4.04E-03	black	0.57370	
<i>RAB3IL1</i>	NM_013401	rs1036244	6.36E-03	black	0.62203	
<i>RAB7B</i>	NM_177403	NA	NA	black	0.57007	
<i>RAP1GA1</i>	NM_002885	NA	NA	black	0.57977	
<i>RARB</i>	NM_016152	rs3783142	9.51E-04	black	0.68420	
<i>RBPM2</i>	NM_194272	rs2926120	5.83E-03	black	0.81063	
<i>RET</i>	NM_020630	rs1981008	4.49E-03	black	0.37417	
<i>REV3L</i>	NM_002912	rs4839130	4.78E-03	black	0.39962	
<i>RFX2</i>	NM_000635	rs6500756	1.34E-03	black	0.37143	
<i>RFXDC2</i>	NM_022841	NA	NA	black	0.31208	
<i>RGMB</i>	NM_173670	NA	NA	black	0.68480	
<i>RGS4</i>	NM_005613	rs1922867	8.37E-02	black	0.95496	
<i>RIN1</i>	NM_004292	rs4883777	4.45E-02	black	0.43973	
<i>RIS1</i>	NM_015444	NA	NA	black	0.79811	
<i>RND1</i>	NM_014470	rs7324484	1.04E-03	black	0.55340	
<i>RPP40</i>	NM_006638	rs6422704	3.27E-03	black	0.85647	
<i>RPRML</i>	NM_203400	rs328142	4.80E-03	black	0.73187	
<i>RPS6KA3</i>	NM_004586	NA	NA	black	0.65728	
<i>RRS1</i>	NM_015169	rs12327356	2.22E-03	black	0.97223	
<i>RUNX1</i>	NM_001754	rs2701516	1.79E-04	black	0.57537	
<i>RUNX1T1</i>	NM_175635	rs10991869	6.66E-03	black	0.68299	
<i>RUNX1T1</i>	NM_175636	rs10991869	6.66E-03	black	0.90490	
<i>S100A6</i>	NM_014624	rs9883613	3.23E-02	black	0.48006	
<i>SATB2</i>	NM_015265	rs2678209	2.70E-02	black	0.61726	
<i>SCARA3</i>	NM_182826	rs929620	1.23E-02	black	0.49915	
<i>SCG2</i>	NM_003469	rs10915898	6.72E-02	black	0.32452	
<i>SCN2B</i>	NM_004588	rs13248744	3.38E-02	black	0.73094	
<i>SDCCAG33</i>	NM_005786	NA	NA	black	0.76536	
<i>SEH1L</i>	NM_001013437	rs11022589	9.64E-04	black	0.90116	
<i>SEH1L</i>	NM_031216	rs11022589	9.64E-04	black	0.66410	
<i>SEH1L</i>	NM_031216	rs11022589	9.64E-04	black	0.29709	
<i>SEN5</i>	NM_152699	rs6806618	1.11E-01	black	0.34179	
<i>SERPIN8</i>	NM_002640	rs10411879	5.55E-04	black	0.78221	
<i>SERPIN8</i>	NM_001031848	rs1000574	6.08E-03	black	0.82262	
<i>SERPINE1</i>	NM_000602	rs1151379	1.02E-02	black	0.83650	autism

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<i>SESN1</i>	NM_014454	rs2962978	6.40E-03	black	0.80536	
<i>SETD8</i>	NM_020382	rs11218941	1.64E-02	black	0.75543	
<i>SGIP1</i>	NM_032291	rs11077554	5.15E-03	black	0.25764	
<i>SH3MD2</i>	NM_020870	NA	NA	black	0.72234	
<i>SHANK2</i>	NM_012309	rs1544442	1.08E-03	black	0.60045	autism
<i>SLC18A1</i>	NM_003053	rs12590446	6.77E-04	black	0.83068	
<i>SLC20A1</i>	NM_005415	rs4385708	2.97E-03	black	0.85080	
<i>SLC25A37</i>	NM_016612	rs4452416	6.48E-03	black	0.21290	
<i>SLC45A3</i>	NM_033102	rs7514718	1.65E-02	black	0.65864	
<i>SLC7A1</i>	NM_003045	rs4893602	4.60E-04	black	0.91438	
<i>SMC4</i>	NM_001002800	rs1898871	4.37E-02	black	0.13326	
<i>SMC4L1</i>	NM_005496	rs1898871	4.37E-02	black	0.37775	
<i>SNFT</i>	NM_018664	NA	NA	black	0.50530	
<i>SNORD56</i>	NR_002739	rs11251328	2.33E-03	black	0.17213	
<i>SNTG2</i>	NM_018968	rs4640842	1.68E-04	black	0.45383	
<i>SOCS1</i>	NM_003745	rs596406	3.55E-03	black	0.46887	
<i>SORBS1</i>	NM_015385	rs2404692	1.16E-03	black	0.69902	
<i>SPOCD1</i>	NM_144569	rs631108	2.14E-03	black	0.94081	
<i>SPRED2</i>	NM_181784	rs4581806	5.59E-03	black	0.82332	
<i>SPRY1</i>	NM_005841	rs7108303	2.25E-02	black	0.93917	
<i>SPRY4</i>	NM_030964	rs11739594	7.96E-03	black	0.88854	
<i>SPSB1</i>	NM_025106	rs2271333	5.94E-03	black	0.77240	
<i>SREBF1</i>	NM_004176	rs11683808	5.07E-03	black	0.58486	
<i>SSPN</i>	NM_005086	rs198834	2.08E-03	black	0.36129	
<i>ST6GAL1</i>	NM_173217	rs10471185	1.36E-02	black	0.37054	
<i>STARD13</i>	NM_178006	rs10136259	5.97E-05	black	0.37782	
<i>STK10</i>	NM_005990	rs17074425	1.92E-02	black	0.23577	
<i>STK17A</i>	NM_004760	rs2838281	5.13E-04	black	0.79008	
<i>STK24</i>	NM_001032296	rs4584121	2.77E-03	black	0.33797	
<i>STMN2</i>	NM_007029	rs327703	2.01E-02	black	0.96758	
<i>STMN4</i>	NM_030795	rs9554090	6.33E-03	black	0.92234	
<i>SYNJ2</i>	NM_003898	rs929779	3.80E-03	black	0.82837	
<i>TCF12</i>	NM_207040	rs13265893	1.02E-02	black	0.33388	
<i>TEKT2</i>	NM_014466	rs7220147	2.55E-02	black	0.32325	
<i>TESK2</i>	NM_007170	rs10493120	4.23E-03	black	0.17373	
<i>TGFB2</i>	NM_003238	rs17393335	1.72E-02	black	0.55475	
<i>TH</i>	NM_000360	rs6972752	7.25E-03	black	0.78380	
<i>THSD1</i>	NM_018676	rs627860	1.22E-03	black	0.56521	
<i>THSD1</i>	NM_199263	rs627860	1.22E-03	black	0.76599	
<i>TMEM22</i>	NM_025246	rs10496773	2.49E-02	black	0.74134	
<i>TNPO1</i>	NM_153188	rs17780422	1.28E-03	black	0.49939	
<i>TPM1</i>	NM_001018004	rs6011530	1.02E-03	black	0.77667	
<i>TRAF6</i>	NM_004620	rs752775	3.98E-03	black	0.50354	
<i>TRAK1</i>	NM_014965	rs17557963	4.13E-03	black	0.87892	
<i>TRAM2</i>	NM_012288	rs10488327	1.19E-02	black	0.78262	
<i>TRIB2</i>	NM_021643	rs1024580	2.01E-03	black	0.95046	
<i>TRIM46</i>	NM_025058	rs6910440	2.71E-02	black	0.41288	
<i>TRIM68</i>	NM_018073	rs754814	2.75E-02	black	0.84961	
<i>TSPAN7</i>	NM_004615	NA	NA	black	0.71360	autism

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<i>TUBB6</i>	NM_032525	rs4669835	1.07E-02	black	0.88512	
<i>TUBB6</i>	XM_940079	NA	NA	black	0.87457	
<i>UBE2C</i>	NM_181799	rs7284581	6.72E-03	black	0.55153	
<i>UBN1</i>	NM_001079514	rs7956904	3.34E-03	black	0.66013	
<i>UPP1</i>	NM_181597	rs1959545	3.01E-03	black	0.12494	
<i>VAV3</i>	NM_006113	rs8676	3.88E-03	black	0.43911	
<i>VEGFA</i>	NM_003376	rs17641380	1.36E-02	black	0.89130	
<i>VGF</i>	NM_003378	rs4851346	2.71E-03	black	0.50821	
<i>VKORC1L1</i>	NM_173517	rs1898305	2.97E-03	black	0.61744	
<i>WDR4</i>	NM_033661	rs16830039	2.16E-02	black	0.78876	
<i>WDR58</i>	NM_024339	NA	NA	black	0.73626	
<i>WEE1</i>	NM_003390	rs12473402	5.89E-03	black	0.90778	
<i>WHDC1</i>	XM_058720	NA	NA	black	0.57390	
<i>WNT5A</i>	NM_003392	rs11152166	1.46E-02	black	0.85088	
<i>WWC3</i>	NM_015691	NA	NA	black	0.54123	
<i>XAB1</i>	NM_007266	NA	NA	black	0.86966	
<i>ZDHHC18</i>	NM_032283	rs11015249	4.52E-03	black	0.74050	
<i>ZFHX1B</i>	NM_014795	NA	NA	black	0.40144	
<i>ZFP2</i>	NM_030613	rs6734520	5.33E-02	black	0.45432	
<i>ZHX3</i>	NM_015035	rs2836850	5.12E-04	black	0.56978	
<i>ZNF312</i>	NM_018008	NA	NA	black	0.75373	
<i>ZNF323</i>	NM_145909	rs2831524	2.91E-03	black	0.45300	
<i>ZNF438</i>	NM_182755	rs978003	3.07E-03	black	0.49707	
<i>ZNF474</i>	NM_207317	rs6817971	1.43E-02	black	0.58094	
<i>ZNF688</i>	NM_145271	rs4422383	2.46E-03	black	0.17677	
<i>ZYX</i>	NM_003461	rs4662472	2.42E-02	black	0.92244	
<i>ZYX</i>	NM_003461	rs4662472	2.42E-02	black	0.92858	
<i>ACTA2</i>	NM_001613	rs3966851	1.96E-02	blue	0.97990	
<i>ACTL6B</i>	NM_016188	rs6706188	3.31E-03	blue	0.89530	
<i>ADAM19</i>	NM_033274	rs9870721	5.19E-03	blue	0.89449	
<i>ADD3</i>	NM_001121	rs458017	7.21E-03	blue	0.90944	
<i>AGTRL1</i>	NM_005161	NA	NA	blue	0.96608	
<i>ALDH1L1</i>	NM_012190	rs4646703	1.03E-02	blue	0.86122	
<i>ALDH3A2</i>	NM_001031806	rs7149721	1.98E-03	blue	0.93121	
<i>ALDH5A1</i>	NM_001080	rs10054106	4.55E-03	blue	0.67962	autism & epilepsy
<i>ANKRD46</i>	NM_198401	rs17542122	4.23E-03	blue	0.95662	
<i>ANLN</i>	NM_018685	rs698295	9.38E-04	blue	0.76767	
<i>APLP1</i>	NM_005166	rs325833	1.03E-02	blue	0.86639	
<i>ARHGAP22</i>	NM_021226	rs12191536	2.13E-03	blue	0.78736	
<i>ARHGEF7</i>	NM_145735	rs3797755	5.65E-03	blue	0.72603	
<i>ARL3</i>	NM_004311	rs9332445	4.72E-03	blue	0.80995	
<i>ARL4</i>	NM_005738	rs2075508	2.61E-02	blue	0.93398	
<i>ASF1B</i>	NM_018154	rs7812587	1.00E-02	blue	0.88268	
<i>ASPM</i>	NM_018136	rs7632519	3.18E-02	blue	0.40693	
<i>ASS1</i>	NM_054012	rs1605327	2.31E-02	blue	0.55617	
<i>ASTN</i>	NM_004319	NA	NA	blue	0.90284	
<i>ATAD2</i>	NM_014109	rs430199	9.08E-03	blue	0.77266	
<i>ATP6V1G2</i>	NM_130463	rs12909478	4.64E-02	blue	0.96590	
<i>ATP6V1G2</i>	NM_130463	rs12909478	4.64E-02	blue	0.81039	

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<i>AURKA</i>	NM_198434	rs17117895	8.40E-04	blue	0.79031	
<i>AURKA</i>	NM_198434	rs17117895	8.40E-04	blue	0.81999	
<i>AURKB</i>	NM_004217	rs4747647	1.20E-02	blue	0.82894	
<i>AUTS2</i>	NM_015570	rs17087818	2.83E-05	blue	0.81608	autism
<i>AYTL1</i>	NM_017839	NA	NA	blue	0.81935	
<i>BAIAP2L2</i>	NM_025045	rs17106539	1.26E-02	blue	0.76310	
<i>BASP1</i>	NM_006317	rs10503593	6.12E-04	blue	0.92521	
<i>BAZ1A</i>	NM_013448	rs5971861	4.99E-03	blue	0.50105	
<i>BBOX1</i>	NM_003986	rs11015249	4.52E-03	blue	0.88933	
<i>BCAT1</i>	NM_005504	rs10946735	4.77E-03	blue	0.78848	
<i>BIRC5</i>	NM_001168	rs2407044	2.45E-02	blue	0.86440	
<i>BMS1L</i>	NM_014753	NA	NA	blue	0.81136	
<i>BRUNOL6</i>	NM_052840	NA	NA	blue	0.78415	
<i>BTBD14A</i>	NM_144653	NA	NA	blue	0.85358	
<i>C10orf57</i>	NM_025125	rs2019384	2.41E-02	blue	0.88920	
<i>C11orf51</i>	NM_014042	rs6995985	6.34E-03	blue	0.58450	
<i>C13orf3</i>	NM_145061	NA	NA	blue	0.79936	
<i>C14orf106</i>	NM_018353	rs7908664	3.11E-03	blue	0.76709	
<i>C14orf151</i>	NM_032714	NA	NA	blue	0.71638	
<i>C15orf42</i>	NM_152259	rs11201937	3.84E-02	blue	0.71783	
<i>C17orf53</i>	NM_024032	rs9462553	5.15E-03	blue	0.78027	
<i>C18orf24</i>	NM_145060	NA	NA	blue	0.70853	
<i>C19orf48</i>	NM_199250	rs6766861	8.05E-03	blue	0.75368	
<i>C1orf112</i>	NM_018186	rs1062976	2.49E-03	blue	0.87795	
<i>C1orf119</i>	NM_020141	NA	NA	blue	0.84896	
<i>C1orf135</i>	NM_024037	rs199736	3.24E-03	blue	0.93462	
<i>C1orf173</i>	NM_001002912	rs1789250	9.51E-04	blue	0.87153	
<i>C1orf192</i>	NM_001013625	rs11716327	1.08E-02	blue	0.62670	
<i>C1QL4</i>	NM_001008223	rs2688143	4.02E-02	blue	0.80973	
<i>C1RL</i>	NM_016546	rs724940	1.79E-02	blue	0.70261	
<i>C20orf103</i>	NM_012261	rs12659273	3.39E-03	blue	0.90230	
<i>C20orf129</i>	NM_030919	NA	NA	blue	0.98543	
<i>C22orf18</i>	NM_024053	rs2293690	2.67E-02	blue	0.89270	
<i>C9orf140</i>	NM_178448	rs3763662	4.10E-03	blue	0.97496	
<i>C9orf28</i>	NM_033446	rs2255177	7.69E-04	blue	0.74889	
<i>C9orf48</i>	NM_194313	NA	NA	blue	0.72293	
<i>CA2</i>	NM_000067	rs8016092	4.67E-03	blue	0.37808	
<i>CAMK2B</i>	NM_172078	rs7326252	1.49E-04	blue	0.82927	
<i>CAMK2B</i>	XM_936314	NA	NA	blue	0.81208	
<i>CCNA2</i>	NM_001237	rs9320884	5.47E-03	blue	0.91773	
<i>CCNB1</i>	NM_031966	rs12754452	1.14E-03	blue	0.77822	
<i>CCNB2</i>	NM_004701	rs950844	1.89E-02	blue	0.92761	
<i>CCNE1</i>	NM_001238	rs6457797	1.34E-02	blue	0.88053	
<i>CCNE2</i>	NM_057735	NA	NA	blue	0.56370	
<i>CCNF</i>	NM_001761	rs11715813	1.90E-02	blue	0.90464	
<i>CD34</i>	NM_001773	rs1204682	5.41E-03	blue	0.89545	
<i>CD34</i>	NM_001773	rs1204682	5.41E-03	blue	0.91132	
<i>CD83</i>	NM_004233	rs4316797	4.18E-03	blue	0.73851	
<i>CD99</i>	NM_002414	NA	NA	blue	0.73795	

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<i>CDC2</i>	NM_001786	NA	NA	blue	0.76554	
<i>CDC2</i>	NM_033379	NA	NA	blue	0.74861	
<i>CDC20</i>	NM_001255	rs2838281	5.13E-04	blue	0.94100	
<i>CDC25A</i>	NM_001789	rs4774557	1.66E-03	blue	0.38310	
<i>CDC25A</i>	NM_001789	rs4774557	1.66E-03	blue	0.81625	
<i>CDC25C</i>	NM_001790	rs729614	4.81E-03	blue	0.79077	
<i>CDC25C</i>	NM_001790	rs729614	4.81E-03	blue	0.87606	
<i>CDC25C</i>	NM_001790	rs729614	4.81E-03	blue	0.82509	
<i>CDC45L</i>	NM_003504	NA	NA	blue	0.81950	
<i>CDCA2</i>	NM_152562	rs1544369	5.45E-03	blue	0.90805	
<i>CDCA5</i>	NM_080668	rs11649437	1.95E-02	blue	0.99250	
<i>CDCA8</i>	NM_018101	rs7081464	1.72E-03	blue	0.97726	
<i>CDK2</i>	NM_001798	rs11003452	1.17E-02	blue	0.88597	
<i>CDKN3</i>	NM_005192	rs4811641	8.28E-03	blue	0.79395	
<i>CDT1</i>	NM_030928	rs9518903	6.03E-03	blue	0.89671	
<i>CENPA</i>	NM_001042426	rs7626334	6.87E-03	blue	0.91652	
<i>CENPA</i>	NM_001809	rs7626334	6.87E-03	blue	0.83068	
<i>CENPE</i>	NM_001813	rs9783669	3.35E-03	blue	0.59411	
<i>CENPM</i>	NM_001002876	rs2293690	2.67E-02	blue	0.89225	
<i>CENPM</i>	NM_001002876	rs2293690	2.67E-02	blue	0.82809	
<i>CEP55</i>	NM_018131	rs10882254	4.95E-03	blue	0.99548	
<i>CHCHD7</i>	NM_001011668	rs10783915	5.19E-04	blue	0.81432	
<i>CHGA</i>	NM_001275	rs16918472	6.91E-03	blue	0.74403	
<i>CHST10</i>	NM_004854	rs471767	2.05E-02	blue	0.80408	
<i>CMTM4</i>	NM_178818	rs1471504	4.02E-03	blue	0.78886	
<i>CMTM7</i>	NM_138410	rs533873	1.94E-03	blue	0.86318	
<i>COL11A1</i>	NM_080629	rs7543626	3.26E-04	blue	0.85997	
<i>COL8A1</i>	NM_020351	rs17611664	2.65E-03	blue	0.73384	
<i>CPE</i>	NM_001873	rs6738393	9.33E-03	blue	0.74901	
<i>CRY2</i>	NM_021117	rs2428684	4.57E-03	blue	0.77121	
<i>CSS3</i>	NM_175856	NA	NA	blue	0.76455	
<i>CTNND2</i>	NM_001332	rs2304402	1.24E-03	blue	0.83977	
<i>CTPS</i>	NM_001905	rs7955255	1.45E-03	blue	0.93610	
<i>CTSH</i>	NM_004390	rs8005999	3.69E-04	blue	0.87869	
<i>CYBRD1</i>	NM_024843	rs2281486	1.90E-02	blue	0.78680	
<i>CYP26A1</i>	NM_000783	rs10786069	1.66E-02	blue	0.90762	
<i>CYP4F11</i>	NM_021187	rs11023775	1.32E-02	blue	0.85920	
<i>DCBLD2</i>	NM_080927	rs2282432	1.89E-03	blue	0.76962	
<i>DDX25</i>	NM_013264	rs11248570	1.39E-02	blue	0.86962	
<i>DIAPH3</i>	NM_001042517	rs6850334	2.73E-05	blue	0.79981	autism
<i>DIP</i>	NM_015124	NA	NA	blue	0.91867	
<i>DKFZP564J102</i>	NM_015398	NA	NA	blue	0.90376	
<i>DKFZP564J102</i>	NM_015398	NA	NA	blue	0.83834	
<i>DKFZp762E1312</i>	NM_018410	NA	NA	blue	0.91494	
<i>DLG7</i>	NM_014750	NA	NA	blue	0.87309	
<i>DNMT1</i>	NM_001379	rs6432057	2.89E-03	blue	0.66044	
<i>DTX1</i>	NM_004416	rs11613438	6.58E-03	blue	0.82864	
<i>E2F2</i>	NM_004091	rs12432194	1.14E-02	blue	0.75226	
<i>E2F7</i>	NM_203394	rs7237754	2.27E-03	blue	0.93506	

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<i>ECOP</i>	NM_030796	NA	NA	blue	0.42962	
<i>EFHD1</i>	NM_025202	rs4072149	1.05E-01	blue	0.95827	
<i>EFNB3</i>	NM_001406	rs12445659	1.28E-03	blue	0.90104	
<i>ELA1</i>	NM_001971	NA	NA	blue	0.71679	
<i>ELOVL6</i>	NM_024090	rs4627009	4.46E-03	blue	0.92201	
<i>ENPP5</i>	NM_021572	rs10807337	9.08E-03	blue	0.73444	
<i>EPB41L3</i>	NM_012307	rs1386072	1.86E-03	blue	0.78329	
<i>EXO1</i>	NM_003686	rs4149963	2.61E-02	blue	0.94056	
<i>EXO1</i>	NM_006027	rs4149963	2.61E-02	blue	0.69357	
<i>EXOSC3</i>	NM_001002269	rs11967968	4.50E-02	blue	0.91157	
<i>EXOSC3</i>	NM_016042	rs11967968	4.50E-02	blue	0.97885	
<i>EXOSC9</i>	NM_005033	rs10846569	2.39E-02	blue	0.90629	
<i>FAIM2</i>	NM_012306	rs2255532	1.51E-03	blue	0.72772	
<i>FAM107A</i>	NM_007177	rs9630426	9.56E-03	blue	0.95314	
<i>FAM64A</i>	NM_019013	rs1548842	1.35E-03	blue	0.88305	
<i>FANCD2</i>	NM_001018115	rs6432057	2.89E-03	blue	0.75370	
<i>FEN1</i>	NM_004111	rs6090305	8.03E-03	blue	0.98662	
<i>FER1L3</i>	NM_013451	NA	NA	blue	0.91296	
<i>FER1L3</i>	NM_013451	NA	NA	blue	0.75616	
<i>FEZ1</i>	NM_022549	rs17724818	2.76E-02	blue	0.76684	
<i>FGD3</i>	NM_033086	rs10786069	1.66E-02	blue	0.65986	
<i>FGF9</i>	NM_002010	rs4283868	2.04E-02	blue	0.87099	
<i>FKBP1A</i>	NM_054014	rs10809917	2.22E-03	blue	0.79535	
<i>FKSG14</i>	NM_022145	NA	NA	blue	0.86039	
<i>FLJ12505</i>	NM_024749	NA	NA	blue	0.86227	
<i>FLJ14213</i>	NM_024841	NA	NA	blue	0.70977	
<i>FLJ20105</i>	NM_017669	NA	NA	blue	0.74971	
<i>FLJ20152</i>	NM_001034850	NA	NA	blue	0.91065	
<i>FLJ20152</i>	NM_001034850	NA	NA	blue	0.76380	
<i>FLJ20364</i>	NM_017785	NA	NA	blue	0.83491	
<i>FLJ20701</i>	NM_017933	NA	NA	blue	0.90299	
<i>FLJ25416</i>	NM_145018	NA	NA	blue	0.74375	
<i>FLJ31196</i>	NM_152908	NA	NA	blue	0.94370	
<i>FLJ35220</i>	NM_173627	rs4744709	3.95E-03	blue	0.82955	
<i>FLJ40629</i>	NM_152515	NA	NA	blue	0.75494	
<i>FOXD1</i>	NM_004472	rs10868936	3.18E-02	blue	0.29307	
<i>FOXM1</i>	NM_021953	rs6793237	3.34E-03	blue	0.82510	
<i>FOXM1</i>	NM_202002	rs6793237	3.34E-03	blue	0.75793	
<i>FUCA1</i>	NM_000147	rs13435868	2.54E-02	blue	0.93302	
<i>GABBR1</i>	NM_021905	NA	NA	blue	0.84715	epilepsy
<i>GABBR2</i>	NM_005458	rs1567663	1.52E-03	blue	0.90229	
<i>GALC</i>	NM_000153	rs9871262	1.72E-02	blue	0.58583	
<i>GARNL3</i>	NM_032293	rs10894147	2.48E-03	blue	0.84267	
<i>GLIPR1</i>	NM_006851	rs1359872	9.39E-03	blue	0.98068	
<i>GNAO1</i>	NM_020988	rs930185	4.24E-03	blue	0.90428	
<i>GPR137B</i>	NM_003272	rs11563248	1.71E-02	blue	0.88820	
<i>GRPR</i>	NM_005314	NA	NA	blue	0.84359	autism
<i>GSTM3</i>	NM_000849	rs10787083	8.50E-02	blue	0.79247	
<i>GTSE1</i>	NM_016426	rs6775113	4.72E-03	blue	0.97215	

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<i>H2AFX</i>	NM_002105	rs7441935	5.88E-02	blue	0.69029	
<i>HEATR1</i>	NM_018072	rs653737	8.02E-03	blue	0.74492	
<i>HEPH</i>	NM_138737	NA	NA	blue	0.92184	
<i>HIST1H2AC</i>	NM_003512	rs198845	1.85E-03	blue	0.82364	
<i>HMMR</i>	NM_012485	rs4856711	3.15E-02	blue	0.85968	
<i>HNRPAB</i>	NM_031266	NA	NA	blue	0.88863	
<i>HOMER2</i>	NM_199332	rs9986815	1.09E-03	blue	0.84566	
<i>HPS1</i>	NM_182639	rs1230157	3.70E-03	blue	0.69233	
<i>ID1</i>	NM_181353	rs7997640	6.64E-03	blue	0.83379	
<i>IGFBP2</i>	NM_000597	rs9341145	1.65E-02	blue	0.76874	
<i>IGFBP3</i>	NM_001013398	rs511310	4.96E-03	blue	0.87077	
<i>IGFBP3</i>	NM_001013398	rs511310	4.96E-03	blue	0.92092	
<i>IMPA2</i>	NM_014214	rs6485416	5.06E-03	blue	0.79503	
<i>IRX3</i>	NM_024336	rs466272	7.89E-03	blue	0.81038	
<i>ITGA5</i>	NM_002205	rs10185735	2.72E-02	blue	0.93007	
<i>KIAA0101</i>	NM_014736	rs6858066	7.16E-03	blue	0.62126	
<i>KIAA0101</i>	NM_014736	rs6858066	7.16E-03	blue	0.68933	
<i>KIAA0367</i>	NM_015225	rs17777549	6.42E-04	blue	0.80909	
<i>KIAA0746</i>	NM_015187	NA	NA	blue	0.76722	
<i>KIAA1794</i>	NM_018193	NA	NA	blue	0.76467	
<i>KIF14</i>	NM_014875	rs2686110	8.50E-02	blue	0.61312	
<i>KIF20A</i>	NM_005733	rs13290613	4.42E-03	blue	0.89498	
<i>KIF23</i>	NM_004856	rs12327356	2.22E-03	blue	0.95859	
<i>KIF2C</i>	NM_006845	rs2868882	3.23E-02	blue	0.86828	
<i>KIF4A</i>	NM_012310	NA	NA	blue	0.93620	
<i>KIFC1</i>	NM_002263	rs6462481	2.99E-03	blue	0.64269	
<i>KNDC1</i>	NM_152643	rs7734632	5.42E-03	blue	0.71751	
<i>KNS2</i>	NM_005552	NA	NA	blue	0.86995	
<i>LAMP2</i>	NM_002294	NA	NA	blue	0.89161	
<i>LANCL2</i>	NM_018697	rs7174662	5.01E-04	blue	0.75745	
<i>LAYN</i>	NM_178834	rs10214672	4.88E-02	blue	0.81286	
<i>LIG1</i>	NM_000234	rs16976194	2.20E-03	blue	0.66463	
<i>LMAN2L</i>	NM_030805	rs8031417	1.64E-02	blue	0.80896	
<i>LMNB2</i>	NM_032737	rs11715813	1.90E-02	blue	0.81276	
<i>LOC653133</i>	XM_926881	NA	NA	blue	0.70523	
<i>LRAT</i>	NM_004744	rs6885454	1.87E-03	blue	0.64282	
<i>LRRC1</i>	NM_018214	rs2397376	4.77E-04	blue	0.79537	autism
<i>LY6E</i>	NM_002346	rs2328518	2.76E-02	blue	0.81960	
<i>LYPLA2</i>	NM_007260	rs11564338	8.29E-03	blue	0.70083	
<i>MAF</i>	NM_005360	rs10519280	2.36E-02	blue	0.71813	
<i>MAN1C1</i>	NM_020379	rs12518194	1.32E-05	blue	0.72802	
<i>MAOB</i>	NM_000898	NA	NA	blue	0.91617	
<i>MAPK1</i>	NM_138957	rs6426629	2.74E-03	blue	0.72731	
<i>MASP1</i>	NM_001031849	rs815336	2.39E-02	blue	0.93306	
<i>MASP1</i>	NM_001031849	rs815336	2.39E-02	blue	0.84946	
<i>MASP1</i>	NM_139125	rs815336	2.39E-02	blue	0.66086	
<i>MBP</i>	NM_001025100	rs7618979	3.44E-03	blue	0.81986	
<i>MCM10</i>	NM_018518	rs8083969	9.80E-04	blue	0.64962	
<i>MCM10</i>	NM_018518	rs8083969	9.80E-04	blue	0.76164	

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<i>MCM2</i>	NM_004526	rs11242001	6.85E-03	blue	0.75113
<i>MCM3</i>	NM_002388	rs4286900	2.39E-02	blue	0.81017
<i>MCM4</i>	NM_005914	rs2879526	5.31E-03	blue	0.85148
<i>MCM4</i>	NM_182746	rs2879526	5.31E-03	blue	0.73136
<i>MCM5</i>	NM_006739	rs7014743	3.43E-03	blue	0.90370
<i>MCM6</i>	NM_005915	rs7625747	1.21E-02	blue	0.84628
<i>MCM7</i>	NM_005916	rs10509714	1.22E-03	blue	0.83333
<i>MELK</i>	NM_014791	rs444543	5.47E-03	blue	0.99159
<i>MFAP4</i>	NM_002404	rs7501702	4.93E-03	blue	0.79490
<i>MGC16372</i>	NM_145038	NA	NA	blue	0.82248
<i>MGC24665</i>	NM_152308	NA	NA	blue	0.75863
<i>MGC33556</i>	NM_001004307	NA	NA	blue	0.54152
<i>MPHOSPH1</i>	NM_016195	NA	NA	blue	0.81382
<i>MT3</i>	NM_005954	rs6014947	6.54E-03	blue	0.55791
<i>MTAP</i>	NM_002451	rs13152723	5.15E-03	blue	0.89094
<i>MTHFD2</i>	NM_006636	rs12607049	4.02E-02	blue	0.83304
<i>MTHFD2</i>	NM_001040409	NA	NA	blue	0.94620
<i>MXD3</i>	NM_031300	rs387933	2.52E-01	blue	0.51655
<i>NCAPG2</i>	NM_017760	rs1432679	1.85E-02	blue	0.91528
<i>NDRG2</i>	NM_201535	rs9295471	1.55E-03	blue	0.62782
<i>NDRG2</i>	NM_201539	rs9295471	1.55E-03	blue	0.89463
<i>NEBL</i>	NM_213569	rs10437776	2.43E-03	blue	0.75717
<i>NEBL</i>	NM_006393	rs4130339	3.88E-03	blue	0.71263
<i>NEDD9</i>	NM_006403	rs2242451	3.01E-03	blue	0.73678
<i>NEK11</i>	NM_024800	rs4731935	1.26E-02	blue	0.70662
<i>NGFRAP1L1</i>	NM_001012978	NA	NA	blue	0.91717
<i>NME5</i>	NM_003551	rs1897419	3.23E-02	blue	0.72523
<i>NOLC1</i>	NM_004741	rs2399931	4.14E-03	blue	0.82532
<i>NR2F1</i>	NM_005654	rs2391199	1.73E-02	blue	0.87096
<i>NTF3</i>	NM_002527	rs11729359	8.88E-03	blue	0.68977
<i>NUSAP1</i>	NM_016359	rs4237674	4.20E-03	blue	0.58437
<i>OBFC2A</i>	NM_022837	NA	NA	blue	0.64659
<i>OCIAD2</i>	NM_152398	rs2255532	1.51E-03	blue	0.66870
<i>OIP5</i>	NM_007280	rs4237674	4.20E-03	blue	0.74505
<i>OLFM1</i>	NM_014279	rs1571332	1.28E-03	blue	0.81357
<i>OPTN</i>	NM_001008213	rs7740162	1.42E-03	blue	0.87371
<i>ORC1L</i>	NM_004153	NA	NA	blue	0.80399
<i>PACRG</i>	NM_001080379	rs1936075	6.98E-05	blue	0.66142
<i>PARP6</i>	NM_020214	rs2736468	2.78E-03	blue	0.57999
<i>PBK</i>	NM_018492	rs239649	9.68E-03	blue	0.74918
<i>PCK3</i>	NM_212503	NA	NA	blue	0.64698
<i>PDE5A</i>	NM_033437	rs7129402	4.41E-02	blue	0.73179
<i>PDSS1</i>	NM_014317	rs11015249	4.52E-03	blue	0.80179
<i>Pfs2</i>	NM_016095	NA	NA	blue	0.85664
<i>PGAM2</i>	NM_000290	rs2838407	1.35E-02	blue	0.84657
<i>PGCP</i>	NM_016134	rs2297319	6.75E-04	blue	0.82314
<i>PIGZ</i>	NM_025163	rs17731449	2.42E-01	blue	0.70413
<i>PKMYT1</i>	NM_182687	rs8078781	1.59E-04	blue	0.70079
<i>PKN3</i>	NM_013355	rs4663010	6.80E-03	blue	0.74222

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<i>PLA2G4C</i>	NM_003706	rs750456	1.37E-03	blue	0.99184	
<i>PLEKHB1</i>	NM_021200	rs7836062	2.19E-03	blue	0.77864	
<i>PLK4</i>	NM_014264	rs674768	2.96E-03	blue	0.86216	
<i>PLSCR4</i>	NM_020353	rs6967121	1.52E-02	blue	0.89806	
<i>PLXDC2</i>	NM_032812	rs675465	4.63E-04	blue	0.80711	
<i>PMAIP1</i>	NM_021127	rs966248	3.92E-03	blue	0.82477	
<i>POLE2</i>	NM_002692	rs974897	4.84E-04	blue	0.92703	
<i>POLQ</i>	NM_199420	rs1432309	1.65E-02	blue	0.92281	
<i>PPAP2A</i>	NM_003711	rs2133471	4.41E-03	blue	0.89159	
<i>PPAP2A</i>	NM_176895	rs2133471	4.41E-03	blue	0.51280	
<i>PPAP2A</i>	NM_176895	rs2133471	4.41E-03	blue	0.87552	
<i>PPIL6</i>	NM_173672	rs11193910	7.12E-03	blue	0.67110	
<i>PPM1E</i>	NM_014906	rs1498821	3.94E-04	blue	0.47683	
<i>PPP1CA</i>	NM_002708	rs1937526	1.85E-02	blue	0.68968	
<i>PPP1R14C</i>	NM_030949	rs9831865	7.15E-03	blue	0.85940	
<i>PRC1</i>	NM_003981	rs6551408	8.14E-03	blue	0.95084	
<i>PREX1</i>	NM_020820	rs1077216	1.10E-03	blue	0.71294	
<i>PRR11</i>	NM_018304	rs11003452	1.17E-02	blue	0.78312	
<i>PSD2</i>	NM_032289	rs11776870	2.45E-03	blue	0.96174	
<i>PSME4</i>	NM_014614	rs12582022	5.55E-03	blue	0.83261	
<i>PTCHD1</i>	NM_173495	NA	NA	blue	0.74638	autism
<i>PTPRM</i>	NM_002845	rs12448409	5.66E-06	blue	0.86091	
<i>PTTG1</i>	NM_004219	rs1656377	7.42E-03	blue	0.83883	
<i>PTTG3</i>	NR_002734	NA	NA	blue	0.70964	
<i>RAB38</i>	NM_022337	rs9871262	1.72E-02	blue	0.93003	
<i>RAB3C</i>	NM_138453	rs12598492	2.35E-03	blue	0.84883	
<i>RAB6B</i>	NM_016577	rs2024704	1.33E-03	blue	0.91705	
<i>RABL5</i>	NM_022777	rs4928200	1.56E-02	blue	0.66227	
<i>RACGAP1</i>	NM_013277	rs9964756	1.07E-02	blue	0.89920	
<i>RAD51AP1</i>	NM_006479	rs420944	2.01E-02	blue	0.91357	
<i>RAD54L</i>	NM_003579	rs2839159	6.83E-04	blue	0.84197	
<i>RALGPS1</i>	NM_014636	rs674768	2.96E-03	blue	0.91677	
<i>RANBP3L</i>	NM_145000	rs11737439	2.32E-03	blue	0.89674	
<i>RARB</i>	NM_000965	rs3783142	9.51E-04	blue	0.88012	
<i>RARB</i>	NM_000965	rs3783142	9.51E-04	blue	0.80828	
<i>RASAL2</i>	NM_170692	rs4132381	3.88E-03	blue	0.77638	
<i>RCC1</i>	NM_001269	rs6549877	1.25E-02	blue	0.77503	
<i>REEP1</i>	NM_022912	rs4073109	2.66E-03	blue	0.76743	
<i>RFC3</i>	NM_002915	rs10954906	1.42E-03	blue	0.92577	
<i>RFWD3</i>	NM_018124	rs7231241	1.88E-03	blue	0.84393	
<i>RGS11</i>	NM_183337	rs10967209	1.34E-02	blue	0.52628	
<i>RNASE4</i>	NM_002937	rs10811336	6.91E-04	blue	0.97172	
<i>RNASE4</i>	NM_194430	NA	NA	blue	0.95673	
<i>RNASE4</i>	NM_194430	NA	NA	blue	0.79239	
<i>RNF13</i>	NM_183381	rs4725434	9.55E-04	blue	0.78135	
<i>RNF165</i>	NM_152470	rs17557963	4.13E-03	blue	0.80794	
<i>RNF36</i>	NM_080745	rs1078342	3.70E-02	blue	0.75748	
<i>RRM2</i>	NM_001034	rs11249984	8.36E-04	blue	0.99321	
<i>RUFY3</i>	NM_014961	rs11823867	2.28E-03	blue	0.83936	

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<i>SCARB1</i>	NM_005505	rs11711456	3.29E-03	blue	0.77364
<i>SCN3B</i>	NM_018400	rs3867146	1.81E-02	blue	0.78356
<i>SEPN1</i>	NM_020451	rs4307059	1.07E-05	blue	0.83573
<i>SGOL1</i>	NM_001012413	rs3846990	9.78E-03	blue	0.92703
<i>SH3BP4</i>	NM_014521	rs12078739	2.80E-03	blue	0.80991
<i>SKIP</i>	NM_030623	NA	NA	blue	0.90568
<i>SLC22A17</i>	NM_016609	rs2827617	2.59E-03	blue	0.78447
<i>SLC25A15</i>	NM_014252	rs10219573	2.34E-02	blue	0.77513
<i>SLC35A1</i>	NM_006416	rs17164472	1.47E-03	blue	0.81105
<i>SLC8A2</i>	NM_015063	rs37787	7.65E-03	blue	0.70602
<i>SNAP25</i>	NM_003081	rs11249984	8.36E-04	blue	0.95733
<i>SNAP91</i>	NM_014841	rs4506862	1.21E-03	blue	0.85489
<i>SNCAIP</i>	NM_005460	rs2416744	1.31E-03	blue	0.90868
<i>SOX15</i>	NM_006942	rs2764386	1.55E-02	blue	0.85821
<i>SOX3</i>	NM_005634	NA	NA	blue	0.90160
<i>SPAG16</i>	NM_001025436	rs4655413	1.03E-01	blue	0.52264
<i>SPAG5</i>	NM_006461	rs9965582	1.61E-03	blue	0.81695
<i>SPIRE2</i>	NM_032451	rs2970358	8.34E-03	blue	0.74196
<i>SPOCK</i>	NM_004598	NA	NA	blue	0.91129
<i>ST7</i>	NM_018412	rs1999930	1.34E-04	blue	0.87975
<i>ST8SIA2</i>	NM_006011	rs17015982	5.05E-03	blue	0.83029
<i>STEAP3</i>	NM_018234	rs17750541	4.58E-03	blue	0.93907
<i>SVOP</i>	NM_018711	rs11983030	2.97E-03	blue	0.83113
<i>SYNGR1</i>	NM_004711	rs11070241	4.65E-03	blue	0.78468
<i>SYNPR</i>	NM_144642	rs649761	1.98E-03	blue	0.93266
<i>SYP</i>	NM_003179	NA	NA	blue	0.88483
<i>TACC3</i>	NM_006342	rs6714537	4.67E-03	blue	0.87592
<i>TAGLN</i>	NM_003186	rs2145357	2.99E-03	blue	0.87396
<i>TCEAL2</i>	NM_080390	NA	NA	blue	0.82949
<i>THRA</i>	NM_003250	rs2016520	7.04E-04	blue	0.89852
<i>TIMELESS</i>	NM_003920	rs4239673	7.21E-03	blue	0.90320
<i>TK1</i>	NM_003258	rs10506680	9.80E-02	blue	0.96082
<i>TMEM130</i>	NM_152913	rs12789711	7.81E-03	blue	0.63542
<i>TMPO</i>	NM_003276	rs4121680	5.17E-03	blue	0.66820
<i>TPM1</i>	NM_000366	rs6011530	1.02E-03	blue	0.85212
<i>TPM2</i>	NM_003289	rs12471144	3.83E-03	blue	0.92323
<i>TPM2</i>	NM_213674	rs12471144	3.83E-03	blue	0.87206
<i>TPM4</i>	NM_003290	rs1378164	2.40E-02	blue	0.77540
<i>TPX2</i>	NM_012112	rs12547428	6.04E-03	blue	0.88486
<i>TRIP13</i>	NM_004237	rs4816153	1.13E-02	blue	0.80770
<i>TROAP</i>	NM_005480	rs2874120	5.68E-02	blue	0.83226
<i>TTF2</i>	NM_003594	rs10850973	3.17E-03	blue	0.82397
<i>TTK</i>	NM_003318	rs765619	5.27E-02	blue	0.84218
<i>TYMS</i>	NM_001071	rs13381806	8.14E-03	blue	0.90335
<i>UBE2C</i>	NM_181800	rs7284581	6.72E-03	blue	0.77345
<i>UBE2C</i>	NM_181803	rs7284581	6.72E-03	blue	0.80663
<i>UBE2T</i>	NM_014176	rs705731	1.40E-01	blue	0.66299
<i>VCAM1</i>	NM_001078	rs17611664	2.65E-03	blue	0.94361
<i>ZCCHC12</i>	NM_173798	NA	NA	blue	1.00000

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<i>ZDHHC17</i>	NM_015336	rs2083868	8.13E-03	blue	0.75926	
<i>ZNF259</i>	NM_003904	rs4453038	9.32E-03	blue	0.71455	
<i>ZNF285A</i>	NM_152354	NA	NA	blue	0.86669	
<i>ACSL4</i>	NM_004458	NA	NA	brown	0.58435	
<i>ACTL7B</i>	NM_006686	rs2844235	4.03E-02	brown	0.23323	
<i>ACY3</i>	NM_080658	rs9911654	6.65E-04	brown	0.01202	
<i>ACYP1</i>	NM_203488	rs2015066	1.55E-02	brown	0.01724	
<i>ADARB1</i>	NM_001033049	NA	NA	brown	0.01867	epilepsy
<i>ALX4</i>	NM_021926	rs1984192	5.50E-04	brown	0.01531	
<i>AMIGO2</i>	NM_181847	rs629772	1.42E-02	brown	0.27823	
<i>ARSA</i>	NM_000487	rs1548992	5.53E-03	brown	0.14309	
<i>ASCC3</i>	NM_006828	rs11765661	5.04E-03	brown	0.34633	
<i>ATP1A3</i>	NM_152296	rs4794301	9.80E-04	brown	0.06081	
<i>ATP6V1C1</i>	NM_001695	rs2146795	7.76E-03	brown	0.16416	
<i>ATP7B</i>	NM_000053	rs6063947	7.02E-03	brown	0.25042	
<i>BLVRB</i>	NM_000713	rs10493120	4.23E-03	brown	0.22662	
<i>BTNL2</i>	NM_019602	rs648166	1.71E-03	brown	0.42859	
<i>BVES</i>	NM_007073	rs1890227	3.09E-03	brown	0.00857	
<i>C10orf30</i>	NM_152751	NA	NA	brown	0.14334	
<i>C17orf64</i>	NM_181707	rs11638718	5.16E-03	brown	0.19074	
<i>C17orf73</i>	NM_017928	NA	NA	brown	0.99987	
<i>C1GALT1</i>	NM_020156	rs4689606	1.68E-04	brown	0.38876	
<i>C1orf95</i>	NM_001003665	rs7525939	5.31E-02	brown	0.02025	
<i>C20orf128</i>	NM_178468	NA	NA	brown	0.06005	
<i>C20orf42</i>	NM_017671	NA	NA	brown	0.07524	
<i>C2orf10</i>	NM_194250	NA	NA	brown	0.16315	
<i>C6</i>	NM_000065	rs7955255	1.45E-03	brown	0.15009	
<i>C6orf151</i>	NM_152551	NA	NA	brown	0.22086	
<i>C8orf52</i>	NM_017864	NA	NA	brown	0.34005	
<i>CACNG1</i>	NM_000727	rs322594	1.16E-02	brown	0.00781	
<i>CCDC46</i>	NM_145036	rs6011530	1.02E-03	brown	0.62166	
<i>CD1C</i>	NM_001765	rs4716447	6.94E-02	brown	0.26109	
<i>CDH22</i>	NM_021248	rs1984192	5.50E-04	brown	0.01040	autism
<i>CENTB2</i>	NM_012287	NA	NA	brown	0.41426	
<i>CHX10</i>	NM_182894	NA	NA	brown	0.26877	
<i>CLTC</i>	NM_004859	rs4239673	7.21E-03	brown	0.32552	
<i>CNTN4</i>	NM_175612	rs17025031	2.35E-03	brown	0.00018	autism
<i>CNTNAP2</i>	NM_014141	rs2373177	2.16E-04	brown	0.15664	autism
<i>CPNE1</i>	NM_003915	rs10130025	4.93E-03	brown	0.30769	
<i>DEFB107A</i>	NM_001037668	NA	NA	brown	0.07679	
<i>DEPDC2</i>	NM_024870	NA	NA	brown	0.03004	
<i>DEPDC2</i>	NM_025170	NA	NA	brown	0.16787	
<i>DHFR</i>	NM_000791	rs1870923	3.76E-03	brown	0.72091	
<i>DIP2A</i>	NM_206889	rs17118127	4.87E-03	brown	0.02359	
<i>DIRC1</i>	NM_052952	rs4492063	5.71E-03	brown	0.31223	
<i>DKKL1</i>	NM_014419	rs2126756	7.34E-03	brown	0.70027	
<i>DOCK10</i>	NM_014689	rs4674953	3.18E-02	brown	0.19910	
<i>DOK2</i>	NM_003974	rs13152723	5.15E-03	brown	0.00125	
<i>DYRK3</i>	NM_003582	rs13390018	1.40E-01	brown	0.63890	

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<i>EGFL9</i>	NM_206539	NA	NA	brown	0.16289	
<i>EIF4E</i>	NM_001968	rs2282432	1.89E-03	brown	0.20734	autism
<i>EN1</i>	NM_001426	rs716217	1.14E-02	brown	0.72315	
<i>EZH1</i>	NM_001991	rs12194275	3.66E-03	brown	0.16848	
<i>FAM102B</i>	NM_001010883	rs505461	6.29E-03	brown	0.14044	
<i>FBLN2</i>	NM_001998	rs2630453	2.38E-03	brown	0.00790	
<i>FBXO11</i>	NM_018693	NA	NA	brown	0.76079	
<i>FBXO25</i>	NM_183420	rs10733505	2.30E-03	brown	0.13827	
<i>FGF1</i>	NM_000800	rs13086288	7.61E-03	brown	0.03626	
<i>FGF21</i>	NM_019113	rs6990991	3.20E-02	brown	0.16260	
<i>FLJ12056</i>	NM_024933	NA	NA	brown	0.05904	
<i>FLJ20397</i>	NM_017802	NA	NA	brown	0.36243	
<i>FLJ25680</i>	NM_153216	NA	NA	brown	0.13699	
<i>FLJ30655</i>	NM_144643	NA	NA	brown	0.53601	
<i>FLT3LG</i>	NM_001459	rs11663630	1.47E-02	brown	0.05258	
<i>FOXP1</i>	NM_001012505	rs10780684	9.94E-04	brown	0.06330	
<i>FUCA2</i>	NM_032020	rs358660	1.12E-02	brown	0.68900	
<i>GAGE2</i>	NM_001472	NA	NA	brown	0.01461	
<i>GAS2L1</i>	NM_152237	rs243741	2.48E-02	brown	0.05306	
<i>GHR</i>	NM_000163	rs225436	3.99E-03	brown	0.28100	
<i>GLI1</i>	NM_005269	rs3741414	1.07E-02	brown	0.61554	
<i>GLMN</i>	NM_053274	rs10830986	4.48E-03	brown	0.04342	
<i>GLRA3</i>	NM_006529	rs11739413	3.31E-03	brown	0.00543	
<i>GMPR</i>	NM_006877	rs10508507	1.28E-03	brown	0.03943	
<i>GNAT1</i>	NM_144499	rs1037676	1.36E-02	brown	0.52663	
<i>GPR154</i>	NM_207172	NA	NA	brown	0.00260	
<i>GRHL1</i>	NM_014552	NA	NA	brown	0.06244	
<i>H1T2</i>	NM_181788	NA	NA	brown	0.01654	
<i>HDAC9</i>	NM_014707	rs2824717	1.86E-03	brown	0.51470	
<i>HDAC9</i>	NM_058177	NA	NA	brown	0.30611	
<i>HHEX</i>	NM_002729	rs10520810	2.20E-02	brown	0.00802	
<i>HOXB6</i>	NM_156036	NA	NA	brown	0.39690	
<i>HS6ST2</i>	NM_001077188	NA	NA	brown	0.37351	
<i>IGSF4D</i>	NM_153184	NA	NA	brown	0.36661	
<i>IL25</i>	NM_172314	rs940009	1.18E-03	brown	0.01602	
<i>KCNC4</i>	NM_004978	rs10502133	2.45E-02	brown	0.47393	
<i>KCND3</i>	NM_172198	rs475620	2.34E-03	brown	0.29092	
<i>KCNIP3</i>	NM_001034914	rs17303283	7.15E-03	brown	0.65976	
<i>KIAA0564</i>	NM_001009814	rs7955255	1.45E-03	brown	0.62638	
<i>KIAA0776</i>	NM_015323	rs3814148	6.84E-03	brown	0.80810	
<i>KLF3</i>	NM_016531	rs8113143	6.69E-03	brown	0.20051	
<i>KPNA5</i>	NM_002269	rs9400957	1.93E-02	brown	0.19461	
<i>KRCC1</i>	NM_016618	rs1493007	1.13E-02	brown	0.18914	
<i>KRTAP10-2</i>	XM_942388	NA	NA	brown	0.21104	
<i>KRTAP13-2</i>	NM_181621	rs2267172	4.39E-03	brown	0.12293	
<i>KRTHB5</i>	NM_002283	NA	NA	brown	0.35943	
<i>LACTB</i>	NM_171846	rs6090229	1.94E-03	brown	0.56247	
<i>LAIR2</i>	NM_021270	rs17097088	3.14E-03	brown	0.27828	
<i>LECT1</i>	NM_007015	rs2456207	4.36E-03	brown	0.04619	

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<i>LHX9</i>	NM_020204	rs6759802	1.54E-01	brown	0.13444
<i>LOC153364</i>	NM_203406	NA	NA	brown	0.23922
<i>LOC285453</i>	NR_002805	NA	NA	brown	0.17839
<i>LOC387856</i>	NM_001013635	NA	NA	brown	0.05083
<i>LOC387921</i>	NM_001012754	NA	NA	brown	0.24839
<i>LOC441233</i>	NM_001013724	NA	NA	brown	0.11934
<i>LOC647760</i>	XM_943475	NA	NA	brown	0.14238
<i>LOC653814</i>	XM_930108	NA	NA	brown	0.16254
<i>LRP2BP</i>	NM_018409	rs6444054	1.13E-02	brown	0.33534
<i>LSR</i>	NM_015925	rs6072705	3.47E-03	brown	0.05946
<i>MAFA</i>	NM_201589	rs13068683	2.94E-02	brown	0.64568
<i>MANEAL</i>	NM_001031740	rs17127036	1.66E-02	brown	1.00000
<i>MAP4K5</i>	NM_006575	rs2526752	1.92E-03	brown	0.56829
<i>MAP7D2</i>	NM_152780	NA	NA	brown	0.28955
<i>MDK</i>	NM_001012334	rs131100	1.02E-02	brown	0.22878
<i>MFAP3L</i>	NM_021647	rs10930434	2.03E-02	brown	0.02155
<i>MIB1</i>	NM_020774	rs4504735	1.34E-03	brown	0.24825
<i>MIST</i>	NM_052964	NA	NA	brown	0.24299
<i>NARG2</i>	NM_024611	rs6071243	4.75E-04	brown	0.75759
<i>NFE2L3</i>	NM_004289	rs12681736	1.79E-03	brown	0.37858
<i>NME7</i>	NM_197972	rs4710230	2.13E-02	brown	0.73943
<i>NOL8</i>	NM_017948	rs279968	1.04E-02	brown	0.21381
<i>NPHP1</i>	NM_000272	rs7398343	1.51E-03	brown	0.13789
<i>NRAP</i>	NM_198060	rs10787493	1.50E-02	brown	0.09733
<i>NRG2</i>	NM_013985	NA	NA	brown	0.35878
<i>NUDT15</i>	NM_018283	rs12591300	7.52E-03	brown	0.53193
<i>NUPL1</i>	NM_001008565	NA	NA	brown	0.08134
<i>NXPH2</i>	NM_007226	rs11776870	2.45E-03	brown	0.20124
<i>NYD-SP21</i>	NM_032597	NA	NA	brown	0.04027
<i>ODF4</i>	NM_153007	rs962731	6.93E-04	brown	0.11675
<i>OR1L8</i>	NM_001004454	rs2667469	4.11E-02	brown	0.22600
<i>OR2AG2</i>	NM_001004490	rs8102571	2.19E-02	brown	0.39103
<i>OR2W5</i>	NM_001004698	rs10925061	1.37E-01	brown	0.35830
<i>OR5D13</i>	NM_001001967	rs644856	3.34E-02	brown	0.17207
<i>P2RY6</i>	NM_176798	rs1192250	1.34E-03	brown	0.37816
<i>PAK6</i>	NM_020168	rs8113143	6.69E-03	brown	0.23467
<i>PCDHA5</i>	NM_031501	rs16910093	1.87E-02	brown	0.24963
<i>PCGF3</i>	NM_006315	rs7937869	1.25E-03	brown	0.04593
<i>PDCD1LG2</i>	NM_025239	rs1386072	1.86E-03	brown	0.07535
<i>PDE3B</i>	NM_000922	rs731978	4.27E-03	brown	0.25915
<i>PGM5P2</i>	XR_001072	NA	NA	brown	0.01586
<i>PLCB1</i>	NM_182734	rs962731	6.93E-04	brown	0.50692
<i>PLCG1</i>	NM_182811	rs4768293	3.25E-03	brown	0.69385
<i>PMS1</i>	NM_000534	rs4585357	4.46E-02	brown	0.56163
<i>POTE8</i>	NM_001005365	NA	NA	brown	0.10488
<i>PPP1R12A</i>	NM_002480	rs7071575	2.75E-04	brown	0.87220
<i>PRKACG</i>	NM_002732	rs13416248	8.59E-03	brown	0.41562
<i>PRKCE</i>	NM_005400	rs7926726	4.26E-04	brown	0.65653
<i>PSG7</i>	NM_002783	rs1959545	3.01E-03	brown	0.01053

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<i>PTAFR</i>	NM_000952	rs2831462	8.61E-05	brown	0.03190
<i>PTMA</i>	NM_002823	rs4973475	3.04E-02	brown	0.21513
<i>RBBP4</i>	NM_005610	rs896503	3.28E-03	brown	0.36487
<i>RC3H1</i>	NM_172071	rs6556045	1.20E-02	brown	0.02394
<i>REG3G</i>	NM_001008387	rs7148240	5.11E-03	brown	0.03720
<i>RNF39</i>	NM_170770	NA	NA	brown	0.57672
<i>RP1L1</i>	NM_178857	rs4234497	9.50E-03	brown	0.28432
<i>RPL3L</i>	NM_005061	rs12699477	1.54E-02	brown	0.25679
<i>RSHL1</i>	NM_030785	NA	NA	brown	0.33896
<i>RXRG</i>	NM_006917	rs2964917	8.66E-03	brown	0.60277
<i>RYR3</i>	NM_001036	rs17508455	4.07E-04	brown	0.60220
<i>S100A1</i>	NM_006271	rs2071262	5.24E-03	brown	0.20093
<i>SACS</i>	NM_014363	rs294185	6.73E-04	brown	0.40607
<i>SAMD7</i>	NM_182610	rs2355826	1.77E-02	brown	0.11123
<i>SASS6</i>	NM_194292	rs9518205	8.44E-03	brown	0.43600
<i>SCGB1D1</i>	NM_006552	rs17291829	2.46E-02	brown	0.50612
<i>SENP8</i>	NM_145204	rs10506635	4.04E-03	brown	0.18632
<i>SIM1</i>	NM_005068	rs17611664	2.65E-03	brown	0.05169
<i>SLAMF8</i>	NM_020125	rs2061039	3.26E-02	brown	0.02871
<i>SLC12A2</i>	NM_001046	rs10505470	1.33E-02	brown	0.36636
<i>SLC6A13</i>	NM_016615	rs10967209	1.34E-02	brown	0.54518
<i>SLC7A11</i>	NM_014331	rs6577913	2.44E-02	brown	0.39376
<i>SMAP</i>	NM_014267	NA	NA	brown	0.52376
<i>SOX6</i>	NM_017508	rs10508507	1.28E-03	brown	0.77146
<i>SPACA4</i>	NM_133498	rs2397376	4.77E-04	brown	0.10152
<i>SPAG4L</i>	NM_080675	NA	NA	brown	0.02382
<i>SPATA3</i>	NM_139073	rs1509583	2.90E-03	brown	0.04652
<i>SRCRB4D</i>	NM_080744	rs2360999	8.06E-03	brown	0.03214
<i>ST6GALNAC3</i>	NM_152996	rs1176811	1.63E-03	brown	0.32905
<i>SULT2B1</i>	NM_004605	rs12924662	2.48E-03	brown	0.36926
<i>TADA2L</i>	NM_001488	NA	NA	brown	0.68570
<i>TAF1</i>	NM_004606	NA	NA	brown	0.02577
<i>TAOK2</i>	NM_004783	rs2394180	9.99E-04	brown	0.05811
<i>TCEAL4</i>	NM_024863	NA	NA	brown	0.01306
<i>TCF7L2</i>	NM_030756	rs987694	1.13E-03	brown	0.17548
<i>TDP1</i>	NM_018319	rs10801723	4.06E-03	brown	0.83579
<i>TDRD3</i>	NM_030794	rs2726555	1.51E-03	brown	0.35809
<i>TIAM2</i>	NM_012454	rs2209354	9.46E-04	brown	0.25216
<i>TMEM45A</i>	NM_018004	rs12476979	1.71E-02	brown	0.19158
<i>TNFRSF19</i>	NM_018647	rs3794764	2.81E-03	brown	0.05587
<i>TPSG1</i>	NM_012467	rs8078073	5.87E-03	brown	0.20427
<i>TRIM14</i>	NM_033220	rs11613360	3.74E-03	brown	0.05266
<i>TRIM51</i>	NM_032681	NA	NA	brown	0.20941
<i>TRIM7</i>	NM_203296	rs12146116	3.30E-02	brown	0.35397
<i>TSPAN18</i>	NM_001031730	NA	NA	brown	0.06661
<i>TSPYL5</i>	NM_033512	rs17542671	2.08E-02	brown	0.47258
<i>TTC16</i>	NM_144965	rs3021211	1.18E-03	brown	0.34815
<i>TXNDC10</i>	NM_019022	NA	NA	brown	0.53578
<i>UBR1</i>	NM_174916	rs4130762	2.88E-03	brown	0.81989

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<i>UBXD5</i>	NM_183008	NA	NA	brown	0.47048	
<i>UGCGL1</i>	NM_001025777	NA	NA	brown	0.00151	
<i>UGT1A10</i>	NM_019075	rs6431631	2.45E-02	brown	0.15225	
<i>USP20</i>	NM_001008563	rs12547913	6.95E-03	brown	0.16791	
<i>USP51</i>	NM_201286	NA	NA	brown	0.05188	
<i>WASPIP</i>	NM_003387	rs1469521	2.22E-02	brown	0.39165	
<i>WIPF1</i>	NM_001077269	rs11939600	2.09E-02	brown	0.31140	
<i>WNT16</i>	NM_016087	rs1610041	8.22E-02	brown	0.17103	
<i>WWOX</i>	NM_130844	rs12914385	1.94E-02	brown	0.06076	
<i>XRN2</i>	NM_012255	rs7999069	9.66E-03	brown	0.10171	
<i>ZC3HAV1</i>	NM_024625	rs2236426	1.32E-02	brown	0.32586	
<i>ZD52F10</i>	NM_033317	NA	NA	brown	0.32634	
<i>ZDHHC21</i>	NM_178566	rs39968	6.05E-03	brown	0.58376	
<i>ZFP95</i>	NM_014569	NA	NA	brown	0.04595	
<i>ZNF165</i>	NM_003447	rs1389155	7.18E-03	brown	0.23822	
<i>ZNF223</i>	NM_013361	rs17722373	1.53E-03	brown	0.54853	
<i>ZNF268</i>	NM_003415	rs2659624	5.61E-02	brown	0.03068	
<i>ZNF398</i>	NM_020781	rs12013571	2.00E-02	brown	0.14653	
<i>A2BP1</i>	NM_145891	NA	NA	cyan	0.00202	autism
<i>A2ML1</i>	NM_144670	rs688523	3.62E-03	cyan	0.02143	
<i>A4GNT</i>	NM_016161	rs16841327	3.40E-02	cyan	0.00768	
<i>ABHD9</i>	NM_024794	NA	NA	cyan	0.09669	
<i>ABI3</i>	NM_016428	rs4774479	2.74E-03	cyan	0.00062	
<i>ACRV1</i>	NM_001612	rs225539	6.30E-02	cyan	0.00989	
<i>AFM</i>	NM_001133	rs7087762	8.13E-03	cyan	0.00293	
<i>AQP6</i>	NM_001652	rs752870	3.68E-02	cyan	0.24230	
<i>ARHGAP9</i>	NM_032496	rs2412664	3.48E-02	cyan	0.00091	
<i>ARID4B</i>	NM_016374	rs12409696	2.19E-02	cyan	0.19171	
<i>ATXN3</i>	NM_030660	rs12899930	6.43E-03	cyan	0.67894	
<i>AVPR1A</i>	NM_000706	rs17828306	1.22E-03	cyan	0.10276	autism
<i>ba9F11.1</i>	NM_001001663	NA	NA	cyan	0.00361	
<i>BCAM</i>	NM_005581	rs4073201	1.93E-02	cyan	0.01827	
<i>BMP5</i>	NM_021073	rs12148857	5.11E-03	cyan	0.59617	
<i>BTNL3</i>	NM_197975	rs1379410	5.26E-02	cyan	0.25139	
<i>C18orf1</i>	NM_181483	rs17340021	5.02E-03	cyan	0.08158	
<i>C1orf141</i>	NM_001013674	rs2137704	4.09E-03	cyan	0.00573	
<i>C1orf175</i>	NM_198547	NA	NA	cyan	0.03974	
<i>C1orf38</i>	NM_004848	rs16962901	2.78E-03	cyan	0.31067	
<i>C1QDC1</i>	NM_023925	NA	NA	cyan	0.08614	
<i>C21orf58</i>	NM_199071	NA	NA	cyan	0.02451	
<i>C3orf30</i>	NM_152539	rs798997	2.68E-02	cyan	0.13398	
<i>CA5B</i>	NM_007220	NA	NA	cyan	0.34432	
<i>CACNA1B</i>	NM_000718	rs1827916	1.42E-03	cyan	0.39495	
<i>CARD9</i>	NM_052813	rs4829989	7.61E-02	cyan	0.84899	
<i>CASC2</i>	NM_201377	NA	NA	cyan	0.06231	
<i>CCDC25</i>	NM_001031708	NA	NA	cyan	0.02804	
<i>CCDC68</i>	NM_025214	rs12609834	9.48E-03	cyan	0.38521	
<i>CCR9</i>	NM_031200	rs2191031	7.22E-03	cyan	0.05524	
<i>CDC14B</i>	NM_003671	rs729316	9.39E-04	cyan	0.10726	

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<i>CGA</i>	NM_000735	rs7031120	2.86E-02	cyan	0.00461	
<i>CHRNA6</i>	NM_004198	rs7214096	8.86E-03	cyan	0.26653	
<i>CLN8</i>	NM_018941	rs6714537	4.67E-03	cyan	0.01773	
<i>CLTCL1</i>	NM_007098	rs4504735	1.34E-03	cyan	0.19711	
<i>CNNM2</i>	NM_199077	rs9679687	3.11E-02	cyan	0.09988	
<i>CNTNAP4</i>	NM_138994	rs2134837	8.66E-04	cyan	0.02160	
<i>COCH</i>	NM_004086	rs1264581	7.52E-03	cyan	0.00170	
<i>COPG2</i>	NM_012133	rs9831813	1.21E-03	cyan	0.11545	
<i>CREB3L1</i>	NM_052854	rs10807337	9.08E-03	cyan	0.05467	
<i>CRLF2</i>	NM_001012288	NA	NA	cyan	0.30000	
<i>CST9</i>	NM_001008693	rs414000	3.54E-04	cyan	0.41214	
<i>CTRC</i>	NM_007272	rs2543154	1.88E-03	cyan	0.44229	
<i>CUTA</i>	NM_015921	rs1419901	4.54E-03	cyan	0.02090	
<i>CXorf23</i>	NM_198279	NA	NA	cyan	0.51991	
<i>CYP4Z2P</i>	NR_002788	rs5767120	9.46E-03	cyan	0.00197	
<i>CYS1</i>	XM_927934	NA	NA	cyan	0.05035	
<i>DCLRE1C</i>	NM_001033858	rs268379	1.31E-03	cyan	0.42007	
<i>DCST1</i>	NM_152494	rs17428	3.35E-03	cyan	0.18502	
<i>DIRAS3</i>	NM_004675	rs3790688	9.99E-03	cyan	0.02132	
<i>DKK3</i>	NM_015881	rs279141	2.87E-03	cyan	0.01805	
<i>DNHD1</i>	NM_144666	rs7577180	2.47E-03	cyan	0.26562	
<i>DOCK2</i>	NM_004946	rs9364180	1.16E-03	cyan	0.13489	
<i>DUB3</i>	NM_201402	NA	NA	cyan	0.08569	
<i>EED</i>	NM_003797	rs6849318	4.96E-03	cyan	0.00063	
<i>EHD3</i>	NM_014600	rs3130531	6.73E-03	cyan	0.00785	
<i>ELMO1</i>	NM_014800	rs13288123	1.27E-03	cyan	0.26110	
<i>EPHA8</i>	NM_020526	rs16910190	5.48E-04	cyan	0.10068	
<i>ETNK2</i>	NM_018208	rs10900550	3.94E-02	cyan	0.00138	
<i>FAM77D</i>	NM_173688	NA	NA	cyan	0.85815	
<i>FANCB</i>	NM_001018113	NA	NA	cyan	0.88585	
<i>FBLIM1</i>	NM_017556	rs8050881	2.84E-02	cyan	0.01388	
<i>FBXL8</i>	NM_018378	rs2371382	9.10E-02	cyan	0.04777	
<i>FFAR1</i>	NM_005303	rs6664294	2.40E-02	cyan	0.03173	
<i>FKBP1B</i>	NM_054033	rs10185680	1.37E-02	cyan	0.00727	
<i>FKBP2</i>	NM_057092	rs1059440	3.07E-03	cyan	0.34204	
<i>FLJ10120</i>	NR_002940	NA	NA	cyan	0.54433	
<i>FLJ11000</i>	NM_018295	NA	NA	cyan	0.86477	
<i>FLJ36090</i>	NM_153223	NA	NA	cyan	0.60215	
<i>FOXD4L1</i>	NM_012184	rs4573621	2.15E-02	cyan	0.23033	
<i>FOXP2</i>	NM_014491	rs35426	4.80E-04	cyan	0.00981	autism
<i>FZD1</i>	NM_003505	rs6454789	1.70E-02	cyan	0.14624	
<i>GALNT9</i>	NM_021808	rs12576595	4.70E-02	cyan	0.00642	
<i>GAN</i>	NM_022041	rs6742151	1.60E-02	cyan	0.00808	
<i>GIYD2</i>	NM_178044	NA	NA	cyan	0.00937	
<i>GLT8D1</i>	NM_018446	rs7601345	2.69E-02	cyan	0.03528	
<i>GNGT2</i>	NM_031498	rs4774479	2.74E-03	cyan	0.22915	
<i>GPR126</i>	NM_001032394	rs10216140	1.06E-03	cyan	0.03238	
<i>GPSM1</i>	XM_939186	NA	NA	cyan	0.12252	
<i>GSR</i>	NM_000637	rs2480296	3.02E-03	cyan	0.78884	

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<i>HAPLN2</i>	NM_021817	rs1990808	8.61E-02	cyan	0.00149	
<i>HOXB5</i>	NM_002147	rs1533371	2.07E-02	cyan	0.00135	
<i>HOXD13</i>	NM_000523	rs6829020	1.96E-01	cyan	0.55797	
<i>HS747E2A</i>	NM_015370	NA	NA	cyan	0.01715	
<i>HSF1</i>	NM_005526	rs4681527	2.57E-02	cyan	0.00657	
<i>HTR7</i>	NM_019859	rs1374475	2.70E-03	cyan	0.21951	
<i>HYAL2</i>	NM_033158	rs2143725	1.37E-02	cyan	0.04291	
<i>ICOSLG</i>	NM_015259	rs11874319	2.41E-03	cyan	0.40759	
<i>IRF8</i>	NM_002163	rs4506862	1.21E-03	cyan	0.03645	
<i>IRS4</i>	NM_003604	NA	NA	cyan	0.13313	
<i>KCNMB2</i>	NM_005832	rs1477779	1.16E-03	cyan	0.05436	
<i>KRTAP10-11</i>	NM_198692	rs6508902	1.67E-03	cyan	0.18581	
<i>KRTHB3</i>	NM_002282	NA	NA	cyan	0.03495	
<i>LBP</i>	NM_004139	rs10836560	1.56E-02	cyan	0.12270	
<i>LCE1E</i>	NM_178353	rs2536085	9.59E-03	cyan	0.03390	
<i>LOC116236</i>	NM_198147	NA	NA	cyan	0.24594	
<i>LOC348180</i>	NM_001012762	NA	NA	cyan	0.08256	
<i>LOC387911</i>	NM_001007537	NA	NA	cyan	0.01614	
<i>LOC388199</i>	NM_001013638	NA	NA	cyan	0.00130	
<i>LOC400464</i>	NM_001013670	NA	NA	cyan	0.31365	
<i>LOC648303</i>	XM_943915	NA	NA	cyan	0.00583	
<i>MAP3K10</i>	NM_002446	rs6063100	1.39E-02	cyan	0.01442	
<i>MDM4</i>	NM_002393	rs10458588	3.60E-01	cyan	0.02249	
<i>MGAT5</i>	NM_002410	rs9857979	8.80E-04	cyan	0.56371	
<i>MGC16291</i>	NM_032770	NA	NA	cyan	0.04813	
<i>MGC39681</i>	NM_174939	NA	NA	cyan	0.01299	
<i>MSH5</i>	NM_002441	rs4445	5.63E-03	cyan	0.23440	
<i>MTERF</i>	NM_006980	rs17530	1.35E-03	cyan	0.01311	
<i>MTMR3</i>	NM_021090	rs11840398	1.32E-03	cyan	0.29196	
<i>MUC16</i>	NM_024690	rs688523	3.62E-03	cyan	0.08855	
<i>MYCBPAP</i>	NM_032133	rs511310	4.96E-03	cyan	0.15362	
<i>NAGS</i>	NM_153006	rs1951325	7.63E-03	cyan	0.01879	
<i>NAIP</i>	NM_004536	NA	NA	cyan	0.09324	
<i>NALP1</i>	NM_001033053	rs3923348	4.55E-03	cyan	0.04284	
<i>NCAM1</i>	NM_000615	rs4839202	7.48E-04	cyan	0.02308	
<i>NFKBIB</i>	NM_001001716	rs2838407	1.35E-02	cyan	0.06171	
<i>NGB</i>	NM_021257	rs1259590	3.03E-03	cyan	0.61136	
<i>NGFRAP1</i>	NM_014380	NA	NA	cyan	0.10982	
<i>NLK</i>	NM_016231	rs414000	3.54E-04	cyan	0.16707	
<i>NRK</i>	NM_198465	NA	NA	cyan	0.09056	
<i>NUDT12</i>	NM_031438	rs11820878	6.85E-03	cyan	0.75702	
<i>OR2A14</i>	NM_001001659	rs12466715	3.10E-02	cyan	0.36312	
<i>OR2H1</i>	NM_030883	rs1231682	5.54E-03	cyan	0.00180	
<i>OR4S2</i>	NM_001004059	rs6014947	6.54E-03	cyan	0.00537	
<i>OR6N2</i>	NM_001005278	rs4352424	2.81E-03	cyan	0.01804	
<i>OSCAR</i>	NM_133169	rs482355	6.65E-03	cyan	0.03537	
<i>PARK2</i>	NM_013987	rs11962721	6.53E-03	cyan	0.45478	autism
<i>PARP8</i>	NM_024615	rs2526752	1.92E-03	cyan	0.13770	
<i>PCDHAC2</i>	NM_031883	rs9886312	3.38E-02	cyan	0.04119	

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<i>PFKFB2</i>	NM_006212	rs11799614	4.46E-01	cyan	0.72944
<i>PIK3CA</i>	NM_006218	rs1379410	5.26E-02	cyan	0.34069
<i>PLEKHN1</i>	NM_032129	rs570869	9.34E-03	cyan	0.50942
<i>PLK3</i>	NM_004073	rs6066149	2.75E-03	cyan	0.00342
<i>PLXNA4B</i>	NM_181775	NA	NA	cyan	0.00937
<i>PPL</i>	NM_002705	rs6712088	3.32E-03	cyan	0.01329
<i>PPP1R14D</i>	NM_017726	rs395157	6.06E-03	cyan	0.14072
<i>PRKACB</i>	NM_207578	rs1596552	9.53E-03	cyan	0.03606
<i>PRKAR1A</i>	NM_212471	rs2152670	7.59E-03	cyan	0.04547
<i>PRKCABP</i>	NM_012407	rs10197807	4.20E-03	cyan	0.07687
<i>PXK</i>	NM_017771	rs17254640	1.05E-03	cyan	0.13346
<i>PYGM</i>	NM_005609	rs2622274	6.77E-02	cyan	0.01436
<i>QPCT</i>	NM_012413	rs2835624	1.01E-02	cyan	0.29418
<i>RAB3IP</i>	NM_001024647	rs12754452	1.14E-03	cyan	0.54770
<i>RASA4</i>	NM_006989	rs7631720	4.06E-03	cyan	0.72969
<i>RASSF8</i>	NM_007211	rs4307059	1.07E-05	cyan	0.05568
<i>RBPM5</i>	NM_006867	rs4422383	2.46E-03	cyan	0.07213
<i>RIPK3</i>	NM_006871	rs7148384	1.47E-02	cyan	0.51819
<i>RNF6</i>	NM_183044	rs1334057	5.25E-03	cyan	0.00492
<i>RPL23AP13</i>	NR_002229	NA	NA	cyan	0.45211
<i>RPS26L1</i>	NR_002309	NA	NA	cyan	0.00091
<i>RSPO2</i>	NM_178565	rs2514840	6.12E-04	cyan	0.25616
<i>RTP2</i>	NM_001004312	rs1325224	6.08E-02	cyan	0.45680
<i>S100A2</i>	NM_005978	rs17320457	7.31E-02	cyan	0.59276
<i>SAV1</i>	NM_021818	rs1037676	1.36E-02	cyan	0.40794
<i>SFTPG</i>	NM_205854	NA	NA	cyan	0.19191
<i>SLC16A3</i>	NM_004207	rs4853333	9.60E-03	cyan	0.38718
<i>SLC22A4</i>	NM_003059	rs12547913	6.95E-03	cyan	0.57188
<i>SLC45A2</i>	NM_001012509	rs40507	3.97E-03	cyan	0.02450
<i>SLC8A3</i>	NM_033262	rs17086457	8.19E-04	cyan	0.41837
<i>SLC9A3</i>	NM_004174	rs936469	3.30E-03	cyan	0.01027
<i>SNCG</i>	NM_003087	rs6465190	2.49E-02	cyan	0.01144
<i>SNORD36C</i>	NR_000016	rs7428024	2.75E-02	cyan	0.06775
<i>STAU</i>	NM_017453	rs4794301	9.80E-04	cyan	0.59213
<i>TAS2R8</i>	NM_023918	rs4841462	6.87E-03	cyan	0.02144
<i>TERF1</i>	NM_003218	rs555779	3.13E-03	cyan	0.00610
<i>THAP9</i>	NM_024672	rs2788099	1.34E-03	cyan	0.27746
<i>TMEM106B</i>	NM_018374	rs2907283	1.38E-02	cyan	0.31991
<i>TRIM29</i>	NM_012101	rs7562894	3.64E-02	cyan	0.32208
<i>TRNT1</i>	NM_016000	NA	NA	cyan	0.00303
<i>TROVE2</i>	NM_004600	rs6661522	1.98E-01	cyan	0.01253
<i>TTC7A</i>	NM_020458	rs4794301	9.80E-04	cyan	0.48576
<i>UBXD5</i>	NM_145345	NA	NA	cyan	0.04913
<i>UBXD6</i>	NM_005671	NA	NA	cyan	0.02094
<i>UCN2</i>	NM_033199	rs2267844	1.43E-02	cyan	0.01416
<i>USH1G</i>	NM_173477	rs8078766	1.17E-02	cyan	0.20474
<i>UTY</i>	NM_182659	NA	NA	cyan	0.01661
<i>VMD2L1</i>	NM_017682	NA	NA	cyan	0.00169
<i>VN1R1</i>	NM_020633	rs17066966	1.27E-02	cyan	0.68879

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<i>VPS13A</i>	NM_033305	rs1344085	1.39E-03	cyan	0.72226
<i>VTN</i>	NM_000638	rs11564334	1.22E-02	cyan	0.00295
<i>WDR52</i>	NM_018338	rs6733541	3.80E-03	cyan	0.43235
<i>WDR5B</i>	NM_019069	rs13320117	1.01E-02	cyan	1.00000
<i>WDR78</i>	NM_024763	rs9911654	6.65E-04	cyan	0.01476
<i>WTAP</i>	NM_152857	rs10062843	4.90E-02	cyan	0.01054
<i>YSK4</i>	NM_001018046	rs3764942	3.96E-04	cyan	0.00051
<i>ZBTB2</i>	NM_020861	rs8230	1.38E-02	cyan	0.00631
<i>ZNF181</i>	NM_001029997	rs7147817	7.33E-04	cyan	0.35906
<i>ZNF273</i>	NM_021148	rs683979	1.65E-02	cyan	0.03506
<i>ZNF493</i>	NM_001076678	rs7003897	2.76E-03	cyan	0.12444
<i>ZNF547</i>	NM_173631	rs862707	1.48E-02	cyan	0.17159
<i>ZNF555</i>	NM_152791	rs956764	2.69E-03	cyan	0.64073
<i>ZNF6</i>	NM_021998	NA	NA	cyan	0.16675
<i>ZNF610</i>	NM_173530	rs2964206	2.22E-03	cyan	0.29494
<i>ZNF624</i>	NM_020787	rs1927631	1.30E-03	cyan	0.03684
<i>ZNFN1A3</i>	NM_183231	rs2701516	1.79E-04	cyan	0.13993
<i>ZP3</i>	NM_007155	rs2360999	8.06E-03	cyan	0.02164
<i>ZSCAN1</i>	NM_182572	rs6686582	1.94E-03	cyan	0.08202
<i>ADAR</i>	NM_001025107	rs214972	1.23E-02	darkcyan	0.20761
<i>ASCC3</i>	NM_022091	rs11769397	5.26E-02	darkcyan	0.19132
<i>BRWD3</i>	NM_153252	NA	NA	darkcyan	0.00141
<i>C9orf85</i>	NM_182505	rs6566045	1.95E-05	darkcyan	0.12044
<i>CACNB1</i>	NM_000723	rs13356779	8.15E-04	darkcyan	0.82151
<i>CDC42</i>	NM_044472	rs2473322	3.38E-03	darkcyan	0.28568
<i>CDYL2</i>	NM_152342	rs7171517	2.38E-03	darkcyan	0.27866
<i>CLIC5</i>	NM_016929	rs215347	6.04E-04	darkcyan	0.38634
<i>DEFB105A</i>	NM_152250	NA	NA	darkcyan	0.42579
<i>EPS8L1</i>	NM_017729	rs1353546	1.02E-02	darkcyan	0.80854
<i>GABRE</i>	NM_021990	NA	NA	darkcyan	0.13735
<i>GABRQ</i>	NM_018558	NA	NA	darkcyan	0.03554
<i>GPRASP1</i>	NM_014710	NA	NA	darkcyan	0.38725
<i>HOXD8</i>	NM_019558	rs387933	2.52E-01	darkcyan	0.71171
<i>HTR4</i>	NM_199453	rs11971205	2.38E-03	darkcyan	0.25188
<i>LIPH</i>	NM_139248	rs1872445	2.32E-02	darkcyan	0.97862
<i>LIPK</i>	NM_001080518	rs12571524	1.05E-02	darkcyan	1.00000
<i>LOC198437</i>	NM_001007125	NA	NA	darkcyan	0.03992
<i>LOC653685</i>	XM_928912	NA	NA	darkcyan	0.08485
<i>OR4D1</i>	NM_012374	rs11776276	6.34E-03	darkcyan	0.64371
<i>PIWIL1</i>	NM_004764	rs12414590	1.73E-03	darkcyan	0.45791
<i>RUNX3</i>	NM_001031680	rs4820681	1.61E-03	darkcyan	0.38396
<i>SMR3B</i>	NM_006685	rs2777864	3.64E-02	darkcyan	0.34930
<i>SNX7</i>	NM_152238	rs1921023	4.97E-03	darkcyan	0.07761
<i>SPATA7</i>	NM_018418	rs11201937	3.84E-02	darkcyan	0.00018
<i>STAP2</i>	NM_017720	rs3912089	1.14E-03	darkcyan	0.03513
<i>TNNI2</i>	NM_003282	rs3935866	2.06E-02	darkcyan	0.59523
<i>TSC22D1</i>	NM_183422	rs6447330	3.43E-03	darkcyan	0.00241
<i>TTY6</i>	NR_001527	NA	NA	darkcyan	0.66018
<i>UPK1A</i>	NM_007000	rs9380991	2.73E-02	darkcyan	0.15940

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<i>VPS24</i>	NM_016079	rs8016092	4.67E-03	darkcyan	0.85998
<i>WNT2B</i>	NM_004185	rs2396623	6.23E-03	darkcyan	0.08601
	5-Sep NM_080416	NA	NA	darkmagenta	0.07717
<i>A2M</i>	NM_000014	rs293184	3.31E-03	darkmagenta	0.42406
<i>ABCA1</i>	NM_005502	rs2769917	1.13E-02	darkmagenta	0.96503
<i>ABCD1</i>	NM_000033	NA	NA	darkmagenta	0.15729
<i>ABHD2</i>	NM_152924	rs9871262	1.72E-02	darkmagenta	0.00913
<i>ACOX2</i>	NM_003500	rs2024882	2.74E-03	darkmagenta	0.94014
<i>ACTA1</i>	NM_001100	rs4536647	7.77E-02	darkmagenta	0.08204
<i>ADAMTS14</i>	NM_139155	rs1727668	5.62E-03	darkmagenta	0.05687
<i>ADAMTS20</i>	NM_175851	NA	NA	darkmagenta	0.00190
<i>ADRA2C</i>	NM_000683	rs6738683	2.39E-03	darkmagenta	0.09084
<i>AGPAT4</i>	NM_001012734	NA	NA	darkmagenta	0.80270
<i>AKT2</i>	NM_001626	rs1943969	1.15E-02	darkmagenta	0.00974
<i>AMPD3</i>	NM_001025389	rs10946418	2.38E-03	darkmagenta	0.04718
<i>AMPH</i>	NM_001635	rs1858740	5.59E-04	darkmagenta	0.75482
<i>APITD1</i>	NM_198544	NA	NA	darkmagenta	0.85732
<i>ARID4A</i>	NM_002892	rs10747826	2.33E-02	darkmagenta	0.00259
<i>ARL4A</i>	NM_001037164	rs2075508	2.61E-02	darkmagenta	0.00198
<i>ARPP-21</i>	NM_001025068	NA	NA	darkmagenta	0.24443
<i>ASIP</i>	NM_001672	rs1986309	1.27E-02	darkmagenta	0.81936
<i>BAGE2</i>	NM_182482	rs6432057	2.89E-03	darkmagenta	0.22668
<i>BAGE5</i>	NM_182484	rs6432057	2.89E-03	darkmagenta	0.24973
<i>BCOR</i>	NM_017745	NA	NA	darkmagenta	0.67895
<i>BCOR</i>	NM_020926	NA	NA	darkmagenta	0.62318
<i>BCOR</i>	NM_020926	NA	NA	darkmagenta	0.09772
<i>BDH</i>	NM_004051	NA	NA	darkmagenta	0.02053
<i>BM88</i>	NM_016564	NA	NA	darkmagenta	0.58128
<i>BMF</i>	NM_001003942	rs12194275	3.66E-03	darkmagenta	0.01250
<i>BTBD4</i>	NM_025224	NA	NA	darkmagenta	0.82084
<i>C12orf45</i>	NM_152318	rs2399931	4.14E-03	darkmagenta	0.01972
<i>C13orf18</i>	NM_025113	rs2428684	4.57E-03	darkmagenta	0.39909
<i>C13orf21</i>	NM_001010897	NA	NA	darkmagenta	0.34999
<i>C14orf94</i>	NM_017815	NA	NA	darkmagenta	0.54185
<i>C18orf45</i>	NM_032933	rs2503349	2.70E-04	darkmagenta	0.05043
<i>C1orf89</i>	NM_030907	rs11133844	7.53E-03	darkmagenta	0.12710
<i>C1QTNF1</i>	NM_030968	rs3925322	2.29E-02	darkmagenta	0.59479
<i>C1QTNF1</i>	NM_198594	rs3925322	2.29E-02	darkmagenta	1.00000
<i>C1QTNF6</i>	NM_031910	rs229566	6.84E-03	darkmagenta	0.36799
<i>C20orf108</i>	NM_080821	rs1498821	3.94E-04	darkmagenta	0.29050
<i>C3orf54</i>	NM_203370	rs2275597	9.97E-03	darkmagenta	0.44267
<i>C4orf6</i>	NM_005750	rs6500699	7.73E-03	darkmagenta	0.22412
<i>C9orf116</i>	NM_144654	rs13290613	4.42E-03	darkmagenta	0.71378
<i>C9orf116</i>	NM_144654	rs13290613	4.42E-03	darkmagenta	0.82353
<i>C9orf4</i>	NM_014334	rs12637194	2.03E-02	darkmagenta	0.40961
<i>C9orf58</i>	NM_001002260	NA	NA	darkmagenta	0.80974
<i>C9orf58</i>	NM_031426	NA	NA	darkmagenta	0.98210
<i>CA12</i>	NM_001218	rs1036244	6.36E-03	darkmagenta	0.92236
<i>CABP7</i>	NM_182527	rs1331894	6.96E-04	darkmagenta	0.42201

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<i>CABYR</i>	NM_153768	rs11832352	1.70E-02	darkmagenta	0.13107	
<i>CACNA1H</i>	NM_001005407	rs7208333	5.04E-04	darkmagenta	0.22190	autism
<i>CAPN5</i>	NM_004055	rs830786	4.12E-03	darkmagenta	0.97476	
<i>CASP8</i>	NM_033355	rs4951272	3.41E-02	darkmagenta	0.20142	
<i>CASP8</i>	NM_033358	rs4951272	3.41E-02	darkmagenta	0.25373	
<i>CCDC4</i>	NM_207406	NA	NA	darkmagenta	0.01415	
<i>CCNH</i>	NM_001239	rs12887999	2.80E-02	darkmagenta	0.00175	
<i>CDH24</i>	NM_144985	rs2000191	1.64E-03	darkmagenta	0.05535	
<i>CDH8</i>	NM_001796	rs13064050	5.02E-03	darkmagenta	0.00142	
<i>CEACAM3</i>	NM_001815	rs2258342	5.25E-03	darkmagenta	0.00591	
<i>CECR6</i>	NM_031890	rs3008725	1.73E-02	darkmagenta	0.56420	
<i>CELSR2</i>	NM_001408	rs7654972	1.09E-02	darkmagenta	0.51948	
<i>CHD7</i>	NM_017780	rs17828306	1.22E-03	darkmagenta	0.83599	
<i>CHD9</i>	NM_025134	rs1028145	8.24E-05	darkmagenta	0.75515	
<i>CLDN2</i>	NM_020384	NA	NA	darkmagenta	0.88109	
<i>CNTN3</i>	NM_020872	rs9889410	2.20E-03	darkmagenta	0.12240	
<i>COBL</i>	NM_015198	rs8017705	3.36E-03	darkmagenta	0.17861	
<i>CPXM</i>	NM_019609	NA	NA	darkmagenta	0.42533	
<i>CPXM2</i>	NM_198148	rs7602423	1.02E-04	darkmagenta	0.72482	
<i>CPZ</i>	NM_001014447	rs3794318	4.29E-03	darkmagenta	0.39122	
<i>CR1</i>	XM_936516	NA	NA	darkmagenta	0.00025	
<i>CRYAA</i>	NM_000394	rs5765901	1.16E-02	darkmagenta	0.44099	
<i>CSPG3</i>	NM_004386	NA	NA	darkmagenta	0.71546	
<i>CTH</i>	NM_153742	rs4737995	1.48E-03	darkmagenta	0.09248	
<i>CXCL12</i>	NM_001033886	rs1883833	8.04E-03	darkmagenta	0.60674	
<i>CXCL12</i>	NM_199168	rs1883833	8.04E-03	darkmagenta	0.72668	
<i>CYP51A1</i>	NM_000786	rs12899930	6.43E-03	darkmagenta	0.03376	
<i>DCT</i>	NM_001922	rs11107845	4.18E-03	darkmagenta	0.88818	
<i>DCUN1D3</i>	NM_173475	rs2218258	2.25E-02	darkmagenta	0.23479	
<i>DDC</i>	NM_000790	rs913465	3.20E-03	darkmagenta	0.74759	
<i>DGCR5</i>	NR_002733	rs5993462	2.74E-03	darkmagenta	0.18619	
<i>DKFZp666G057</i>	NM_001008226	NA	NA	darkmagenta	0.02670	
<i>DKFZP686A01247</i>	NM_014988	NA	NA	darkmagenta	0.81361	
<i>DLG2</i>	NM_001364	rs972827	1.26E-03	darkmagenta	0.61895	
<i>DOK5</i>	NM_018431	rs37787	7.65E-03	darkmagenta	0.82970	
<i>DOK6</i>	NM_152721	rs17827524	2.65E-03	darkmagenta	0.46551	
<i>DPH3</i>	NM_001047434	rs9442235	2.63E-03	darkmagenta	0.00924	
<i>ECHDC3</i>	NM_024693	rs210920	1.57E-02	darkmagenta	0.68482	
<i>ECM1</i>	NM_004425	rs7605678	3.11E-02	darkmagenta	0.00386	
<i>ECM1</i>	NM_022664	rs7605678	3.11E-02	darkmagenta	0.14281	
<i>ECRG4</i>	NM_032411	NA	NA	darkmagenta	0.36683	
<i>EFNA2</i>	NM_001405	rs4640842	1.68E-04	darkmagenta	0.04106	
<i>EHBP1</i>	NM_015252	rs10409409	1.57E-03	darkmagenta	0.77628	
<i>ELN</i>	NM_001081754	rs7215957	2.79E-03	darkmagenta	0.58859	
<i>ERBB2IP</i>	NM_018695	rs10513964	5.92E-03	darkmagenta	0.17318	
<i>ERV3</i>	NM_001007253	rs696014	5.31E-03	darkmagenta	0.68087	
<i>FAM113B</i>	NM_138371	rs2191031	7.22E-03	darkmagenta	0.86953	
<i>FAM59A</i>	NM_022751	rs2614048	1.98E-03	darkmagenta	0.68359	
<i>FAM78B</i>	NM_001017961	rs4642869	1.71E-02	darkmagenta	0.00555	

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<i>FAM84B</i>	NM_174911	rs4882789	8.27E-03	darkmagenta	0.78701	
<i>FGF18</i>	NM_033649	NA	NA	darkmagenta	0.09688	
<i>FGFR3</i>	NM_000142	rs1124200	4.46E-03	darkmagenta	0.77162	
<i>FLG</i>	NM_002016	rs9397194	2.59E-02	darkmagenta	0.11004	
<i>FLJ20054</i>	NM_019049	NA	NA	darkmagenta	0.61807	
<i>FLJ37078</i>	NM_153043	NA	NA	darkmagenta	0.15601	
<i>FLJ43339</i>	NM_207380	NA	NA	darkmagenta	0.38678	
<i>FLJ46536</i>	NM_198483	NA	NA	darkmagenta	0.00930	
<i>FOXN4</i>	NM_213596	rs1999487	4.23E-03	darkmagenta	0.27033	
<i>FO XO1A</i>	NM_002015	NA	NA	darkmagenta	0.65457	
<i>FRAS1</i>	NM_025074	rs7171517	2.38E-03	darkmagenta	0.03918	
<i>G0S2</i>	NM_015714	rs6710342	1.53E-02	darkmagenta	0.49004	
<i>GAD2</i>	NM_000818	rs12031946	6.41E-04	darkmagenta	0.92466	epilepsy
<i>GALNAC4S-6ST</i>	NM_015892	NA	NA	darkmagenta	0.65233	
<i>GAS2L3</i>	NM_174942	rs10509714	1.22E-03	darkmagenta	0.44494	
<i>GNAL</i>	NM_182978	rs2304402	1.24E-03	darkmagenta	0.00880	
<i>GNAS</i>	NM_080425	rs2968217	2.91E-03	darkmagenta	0.03742	
<i>GOLGA</i>	NM_018652	NA	NA	darkmagenta	0.02592	
<i>GPBAR1</i>	NM_001077191	rs2253641	1.43E-01	darkmagenta	0.01986	
<i>GRIA4</i>	NM_000829	rs4946582	3.63E-03	darkmagenta	0.14225	
<i>GSTZ1</i>	NM_145871	rs9926888	3.76E-02	darkmagenta	0.65608	
<i>GTPBP3</i>	NM_133644	rs1476080	1.46E-02	darkmagenta	0.11438	
<i>HAP1</i>	NM_003949	NA	NA	darkmagenta	0.00288	
<i>HAS2</i>	NM_005328	rs1432309	1.65E-02	darkmagenta	0.10729	
<i>HBQ1</i>	NM_005331	rs727056	2.01E-03	darkmagenta	0.50373	
<i>HDAC5</i>	NM_001015053	rs9369119	6.13E-04	darkmagenta	0.21571	
<i>HEBP1</i>	NM_015987	rs13145438	8.10E-04	darkmagenta	0.67459	
<i>HEBP2</i>	NM_014320	rs2811728	1.50E-01	darkmagenta	0.26671	
<i>HES7</i>	NM_032580	rs16879418	7.85E-03	darkmagenta	0.02041	
<i>HIST1H4J</i>	NM_021968	rs3794405	4.95E-03	darkmagenta	0.09235	
<i>HIST2H2BE</i>	NM_003528	rs30325	1.25E-02	darkmagenta	0.64588	
<i>HMBOX1</i>	NM_024567	rs4308905	1.83E-04	darkmagenta	0.00678	
<i>HNT</i>	NM_001048209	NA	NA	darkmagenta	0.94596	
<i>HPSE</i>	NM_006665	rs4506862	1.21E-03	darkmagenta	0.72853	
<i>HRASLS</i>	NM_020386	rs16835406	1.57E-01	darkmagenta	0.41774	
<i>HSPA12A</i>	NM_025015	rs3847973	2.72E-02	darkmagenta	0.86603	
<i>IER3IP1</i>	NM_016097	rs7558605	1.43E-02	darkmagenta	0.01007	
<i>IGFBP6</i>	NM_002178	rs1028145	8.24E-05	darkmagenta	0.89746	
<i>IL17RD</i>	NM_017563	rs950844	1.89E-02	darkmagenta	0.44544	
<i>IL17RD</i>	NM_001080973	NA	NA	darkmagenta	0.52244	
<i>IL6ST</i>	NM_002184	rs13265893	1.02E-02	darkmagenta	0.33372	
<i>IL6ST</i>	NM_175767	rs13265893	1.02E-02	darkmagenta	0.26691	
<i>ILK</i>	NM_001014794	rs11789777	9.36E-04	darkmagenta	0.29101	
<i>ITGB7</i>	NM_000889	rs641056	6.69E-03	darkmagenta	0.61325	autism
<i>ITPR3</i>	NM_002224	rs729424	3.22E-03	darkmagenta	0.54627	
<i>JUB</i>	NM_032876	rs4655044	1.04E-02	darkmagenta	0.00070	
<i>KBTBD11</i>	NM_014867	rs12699477	1.54E-02	darkmagenta	0.73319	
<i>KCNIP4</i>	NM_025221	rs8043036	2.42E-03	darkmagenta	0.71565	
<i>KHDRBS3</i>	NM_006558	rs6635478	4.29E-03	darkmagenta	0.56870	

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<i>KIAA0182</i>	NM_014615	rs12654219	5.21E-03	darkmagenta	0.67811
<i>KIAA0672</i>	NM_014859	NA	NA	darkmagenta	0.01521
<i>KIAA0922</i>	NM_015196	rs2862073	9.57E-04	darkmagenta	0.76603
<i>KIAA1024</i>	NM_015206	rs717387	1.36E-02	darkmagenta	0.64593
<i>KIAA1026</i>	NM_015209	NA	NA	darkmagenta	0.40459
<i>KLF12</i>	NM_016285	NA	NA	darkmagenta	0.12259
<i>LASS6</i>	NM_203463	rs259916	2.84E-03	darkmagenta	0.73446
<i>LEFTY2</i>	NM_003240	rs2273405	2.72E-01	darkmagenta	0.94422
<i>LEPREL1</i>	NM_018192	rs7415619	5.70E-02	darkmagenta	0.91190
<i>LFNG</i>	NM_001040168	rs9663489	1.39E-02	darkmagenta	0.67460
<i>LGALS3BP</i>	NM_005567	rs6700161	2.10E-02	darkmagenta	0.86920
<i>LHFPL2</i>	NM_005779	rs9544834	1.32E-03	darkmagenta	0.28399
<i>LINGO4</i>	NM_001004432	rs1546632	4.81E-04	darkmagenta	0.00086
<i>LIPE</i>	NM_005357	rs698334	1.06E-03	darkmagenta	0.03936
<i>LOC124842</i>	NM_207313	NA	NA	darkmagenta	0.83652
<i>LOC283174</i>	NM_001001873	NA	NA	darkmagenta	0.74414
<i>LOC387856</i>	NM_001013635	NA	NA	darkmagenta	0.42553
<i>LOC387856</i>	XM_937099	NA	NA	darkmagenta	0.85987
<i>LOC388389</i>	NM_213607	NA	NA	darkmagenta	0.49721
<i>LOC399947</i>	NM_207645	NA	NA	darkmagenta	0.04353
<i>LOC402573</i>	NM_001004323	NA	NA	darkmagenta	0.13036
<i>LOC642323</i>	XM_925863	NA	NA	darkmagenta	0.14178
<i>LOC644615</i>	XM_927730	NA	NA	darkmagenta	0.30710
<i>LOC648293</i>	XM_944019	NA	NA	darkmagenta	0.90407
<i>LOC650798</i>	XM_942582	NA	NA	darkmagenta	0.00451
<i>LOC653709</i>	XM_929105	NA	NA	darkmagenta	0.01142
<i>LOC90586</i>	NR_002773	rs12551041	1.88E-02	darkmagenta	0.10619
<i>LRIG3</i>	NM_153377	rs2866831	4.06E-03	darkmagenta	0.55260
<i>LRP1B</i>	NM_018557	rs12641953	4.40E-05	darkmagenta	0.08577
<i>LRP5L</i>	NM_182492	rs2339940	1.46E-02	darkmagenta	0.39417
<i>LRRC8B</i>	NM_015350	rs11743030	4.05E-06	darkmagenta	0.00089
<i>LSAMP</i>	NM_002338	rs3829881	1.34E-03	darkmagenta	0.49992
<i>LSM5</i>	NM_012322	rs648166	1.71E-03	darkmagenta	0.00613
<i>LST1</i>	NM_205840	rs942343	5.09E-02	darkmagenta	0.02145
<i>LYPD1</i>	NM_001077427	rs6596148	2.00E-02	darkmagenta	0.56841
<i>LYST</i>	NM_000081	rs838709	1.46E-02	darkmagenta	0.24018
<i>LYST</i>	NM_001005736	NA	NA	darkmagenta	0.28542
<i>MAMDC4</i>	NM_206920	rs12527125	2.24E-02	darkmagenta	0.00894
<i>MAP1B</i>	NM_005909	rs7174643	9.97E-04	darkmagenta	0.23756
<i>MAP1LC3C</i>	NM_001004343	rs13419075	1.71E-01	darkmagenta	0.65610
<i>MAP3K2</i>	NM_006609	rs12479003	1.55E-02	darkmagenta	0.40243
<i>MBNL2</i>	NM_144778	rs17685664	5.46E-04	darkmagenta	0.21944
<i>MDM1</i>	NM_017440	rs9541141	1.01E-02	darkmagenta	0.07668
<i>MFAP2</i>	NM_017459	rs2188015	2.23E-03	darkmagenta	0.71288
<i>MGC15763</i>	NM_138381	NA	NA	darkmagenta	0.53013
<i>MGC18216</i>	XM_927732	NA	NA	darkmagenta	0.54218
<i>MGC23909</i>	NM_174909	NA	NA	darkmagenta	0.04276
<i>MGC34646</i>	NM_173519	NA	NA	darkmagenta	0.00152
<i>MINA</i>	NM_153182	rs4764971	7.35E-04	darkmagenta	0.12296

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<i>MIPEP</i>	NM_005932	rs10757418	9.84E-04	darkmagenta	0.64346	
<i>MLL3</i>	NM_170606	rs11687663	3.96E-04	darkmagenta	0.44458	
<i>MLL3</i>	NM_021230	NA	NA	darkmagenta	0.34590	
<i>MLSTD1</i>	NM_018099	NA	NA	darkmagenta	0.38098	
<i>MMAB</i>	NM_052845	rs1036214	1.01E-02	darkmagenta	0.37064	
<i>MMACHC</i>	NM_015506	rs2236479	5.30E-03	darkmagenta	0.73290	
<i>MMP11</i>	NM_005940	rs2827261	3.64E-03	darkmagenta	0.29493	
<i>MRC2</i>	NM_006039	rs12598492	2.35E-03	darkmagenta	0.16947	
<i>MRPL48</i>	NM_016055	rs7231241	1.88E-03	darkmagenta	0.02235	
<i>MS4A6A</i>	NM_022349	rs17097088	3.14E-03	darkmagenta	0.00017	
<i>MUSTN1</i>	NM_205853	rs4687554	2.45E-03	darkmagenta	0.01289	
<i>MYBBP1A</i>	NM_014520	rs1468064	4.35E-03	darkmagenta	0.00110	
<i>MYO5B</i>	NM_001080467	rs2965069	1.04E-03	darkmagenta	0.44262	
<i>MYO7A</i>	NM_000260	rs830786	4.12E-03	darkmagenta	0.86258	
<i>MYO9A</i>	NM_006901	rs10506635	4.04E-03	darkmagenta	0.48105	
<i>MYOM1</i>	NM_003803	rs4648468	7.27E-04	darkmagenta	0.57923	
<i>NAP1L3</i>	NM_004538	NA	NA	darkmagenta	0.01963	
<i>NAPSA</i>	NM_004851	rs6950027	2.08E-02	darkmagenta	0.00050	
<i>NAV2</i>	NM_145117	rs12590446	6.77E-04	darkmagenta	0.92821	
<i>NAV3</i>	NM_014903	rs8005999	3.69E-04	darkmagenta	0.30129	
<i>NCOR2</i>	NM_006312	rs4296799	3.73E-03	darkmagenta	0.50944	
<i>NCOR2</i>	NM_006312	rs4296799	3.73E-03	darkmagenta	0.70526	
<i>NLE1</i>	NM_018096	rs4422383	2.46E-03	darkmagenta	0.02433	
<i>NOX4</i>	NM_016931	rs2202322	3.17E-03	darkmagenta	0.83677	
<i>NPHP1</i>	NM_207181	rs7398343	1.51E-03	darkmagenta	0.00805	
<i>NR4A3</i>	NM_173199	rs17542122	4.23E-03	darkmagenta	0.05125	
<i>NRG2</i>	NM_013983	rs4520207	4.82E-03	darkmagenta	0.07972	
<i>NRIP1</i>	NM_003489	rs7796519	6.85E-05	darkmagenta	0.78538	
<i>NTNG1</i>	NM_014917	rs12333431	2.57E-03	darkmagenta	0.33718	autism
<i>NTRK2</i>	NM_001007097	rs8016092	4.67E-03	darkmagenta	0.65351	
<i>NTRK2</i>	NM_001018065	rs8016092	4.67E-03	darkmagenta	0.77147	
<i>NTRK2</i>	NM_006180	rs8016092	4.67E-03	darkmagenta	0.52169	
<i>OBFC1</i>	NM_024928	rs1890227	3.09E-03	darkmagenta	0.70775	
<i>OGFOD1</i>	NM_001031707	NA	NA	darkmagenta	0.07207	
<i>ORC5L</i>	NM_002553	NA	NA	darkmagenta	0.06960	
<i>OSBPL3</i>	NM_145320	rs2975186	1.78E-03	darkmagenta	0.29993	
<i>OVOL1</i>	NM_004561	rs7300761	9.88E-03	darkmagenta	0.00467	
<i>PCDH21</i>	NM_033100	NA	NA	darkmagenta	0.05927	
<i>PCDHB17</i>	NR_001280	rs6781671	1.71E-02	darkmagenta	0.53048	
<i>PDE8B</i>	NM_001029851	rs1176811	1.63E-03	darkmagenta	0.69131	
<i>PDLIM7</i>	NM_005451	rs10798623	9.50E-02	darkmagenta	0.02846	
<i>PDZK3</i>	NM_178140	NA	NA	darkmagenta	0.71114	
<i>PF4V1</i>	NM_002620	rs1316453	5.65E-02	darkmagenta	0.01779	
<i>PGM2L1</i>	NM_173582	rs6566045	1.95E-05	darkmagenta	0.21545	
<i>PHF11</i>	NM_001040443	rs4609919	1.79E-02	darkmagenta	0.01718	
<i>PIGM</i>	NM_145167	rs1934080	1.49E-02	darkmagenta	0.63905	
<i>PIM1</i>	NM_002648	rs9315511	1.30E-03	darkmagenta	0.54604	
<i>PKIG</i>	NM_181805	rs225436	3.99E-03	darkmagenta	0.09309	
<i>PLD1</i>	NM_002662	rs6801138	2.67E-02	darkmagenta	0.01994	

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<i>PPARG</i>	NM_138712	rs11787776	4.51E-03	darkmagenta	0.63369
<i>PPFIBP2</i>	NM_003621	rs12445659	1.28E-03	darkmagenta	0.40755
<i>PQLC3</i>	NM_152391	rs1551191	1.09E-02	darkmagenta	0.58203
<i>PRICKLE1</i>	NM_153026	rs7955255	1.45E-03	darkmagenta	0.56125
<i>PRR5</i>	NM_001017530	rs3027409	4.76E-03	darkmagenta	0.65092
<i>PRR5</i>	NM_001017530	rs3027409	4.76E-03	darkmagenta	0.81543
<i>PYCR1</i>	NM_153824	rs6767250	1.53E-02	darkmagenta	0.03196
<i>QSCN6</i>	NM_002826	NA	NA	darkmagenta	0.34927
<i>RAB13</i>	NM_002870	rs12558512	8.69E-02	darkmagenta	0.26623
<i>RAB40B</i>	NM_006822	rs11635107	2.77E-02	darkmagenta	0.45289
<i>RAI14</i>	NM_015577	rs2243982	6.67E-04	darkmagenta	0.88954
<i>RAP1GDS1</i>	NM_021159	rs17418706	1.67E-04	darkmagenta	0.22710
<i>RARA</i>	NM_001024809	rs972894	9.62E-03	darkmagenta	0.21047
<i>RBMS1</i>	NM_002897	rs9295131	3.12E-02	darkmagenta	0.86761
<i>RGPD1</i>	NM_001024457	NA	NA	darkmagenta	0.03723
<i>RGS10</i>	NM_001005339	rs7705728	1.26E-02	darkmagenta	0.02856
<i>RGS10</i>	NM_002925	rs7705728	1.26E-02	darkmagenta	0.15271
<i>RGS5</i>	NM_003617	rs6678820	2.27E-02	darkmagenta	0.06886
<i>RHOB</i>	NM_004040	rs2223225	9.44E-03	darkmagenta	0.46976
<i>RHOBTB3</i>	NM_014899	rs4379388	1.23E-03	darkmagenta	0.77925
<i>RICS</i>	NM_014715	NA	NA	darkmagenta	0.67159
<i>ROBO4</i>	NM_019055	rs707496	6.52E-02	darkmagenta	0.00478
<i>ROR2</i>	NM_004560	rs16949539	1.07E-02	darkmagenta	0.59628
<i>RPL39L</i>	NM_052969	rs17375108	3.11E-02	darkmagenta	0.60781
<i>RPUSD3</i>	NM_173659	rs13421149	1.58E-03	darkmagenta	0.77370
<i>RTN4IP1</i>	NM_032730	rs502398	6.69E-05	darkmagenta	0.75202
<i>RTN4R</i>	NM_023004	rs1475893	1.45E-02	darkmagenta	0.09361
<i>S100PBP</i>	NM_001017406	rs7014840	7.85E-04	darkmagenta	0.02563
<i>SAA1</i>	NM_199161	rs17669793	2.62E-02	darkmagenta	0.08857
<i>SAMD13</i>	NM_001010971	rs13333054	1.47E-02	darkmagenta	0.16756
<i>SAT</i>	NM_002970	NA	NA	darkmagenta	0.69166
<i>SCD5</i>	NM_001037582	rs11139500	1.35E-03	darkmagenta	0.94417
<i>SERINC5</i>	NM_178276	rs13123934	8.45E-03	darkmagenta	0.01438
<i>SERPINE2</i>	NM_006216	rs6738983	6.43E-03	darkmagenta	0.78948
<i>SHF</i>	NM_138356	rs8140396	3.46E-03	darkmagenta	0.18722
<i>SLBP</i>	NM_006527	rs9917191	8.34E-03	darkmagenta	0.01315
<i>SLC32A1</i>	NM_080552	rs10197807	4.20E-03	darkmagenta	0.98131
<i>SLC44A1</i>	NM_080546	rs502398	6.69E-05	darkmagenta	0.59956
<i>SLIT2</i>	NM_004787	rs675465	4.63E-04	darkmagenta	0.37997
<i>SMARCD3</i>	NM_001003801	rs6464134	4.19E-02	darkmagenta	0.09691
<i>SMOC1</i>	NM_001034852	rs17175095	3.33E-03	darkmagenta	0.65034
<i>SMOC1</i>	NM_022137	rs17175095	3.33E-03	darkmagenta	0.44271
<i>SNAP23</i>	NM_003825	rs4711637	4.73E-03	darkmagenta	0.39467
<i>SNCB</i>	XM_936492	NA	NA	darkmagenta	0.15937
<i>SNX25</i>	NM_031953	rs9852812	1.77E-03	darkmagenta	0.44639
<i>SNX7</i>	NM_152238	rs1921023	4.97E-03	darkmagenta	0.01351
<i>SOD2</i>	NM_000636	rs2758331	3.13E-02	darkmagenta	0.01528
<i>SPIN-2</i>	NM_001006681	NA	NA	darkmagenta	0.00083
<i>SPON2</i>	NM_012445	rs7208333	5.04E-04	darkmagenta	0.04835

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<i>SVEP1</i>	NM_153366	rs4839202	7.48E-04	darkmagenta	0.08954	
<i>SYPL1</i>	NM_006754	rs16968126	1.45E-02	darkmagenta	0.03690	
<i>SYT14</i>	NM_153262	rs4537554	2.31E-02	darkmagenta	0.64320	
<i>SYT7</i>	NM_004200	rs6011530	1.02E-03	darkmagenta	0.59462	
<i>TAC3</i>	NM_013251	rs3795101	1.73E-03	darkmagenta	0.84001	
<i>TGFB3</i>	NM_003239	rs2669010	8.50E-03	darkmagenta	0.75250	
<i>THNSL1</i>	NM_024838	rs1544369	5.45E-03	darkmagenta	0.49728	
<i>THSD1P</i>	XR_000915	NA	NA	darkmagenta	0.01740	
<i>THY1</i>	NM_006288	rs2635309	9.67E-03	darkmagenta	0.64963	
<i>TIMP3</i>	NM_000362	rs2253204	1.34E-02	darkmagenta	0.55236	
<i>TMEM121</i>	NM_025268	rs6845362	4.16E-02	darkmagenta	0.09224	
<i>TMEM151</i>	NM_153266	NA	NA	darkmagenta	0.00354	
<i>TMSB4X</i>	NM_021109	NA	NA	darkmagenta	0.00191	
<i>TSC22D4</i>	NM_030935	rs11613360	3.74E-03	darkmagenta	0.82162	
<i>TSPYL2</i>	NM_022117	NA	NA	darkmagenta	0.74060	
<i>TSPYL2</i>	NM_022117	NA	NA	darkmagenta	0.22460	
<i>TUBA1</i>	NM_006000	NA	NA	darkmagenta	0.08758	
<i>UNC5A</i>	NM_133369	rs6786297	2.69E-03	darkmagenta	0.12521	
<i>USP2</i>	NM_171997	rs576945	8.64E-03	darkmagenta	0.00023	
<i>WDR51B</i>	NM_172240	NA	NA	darkmagenta	0.29507	
<i>WFDC1</i>	NM_021197	rs972827	1.26E-03	darkmagenta	0.82880	
<i>WNT10B</i>	NM_003394	rs7555040	1.25E-02	darkmagenta	0.07298	
<i>WNT5B</i>	NM_032642	rs4876121	1.76E-02	darkmagenta	0.35089	
<i>ZBTB12</i>	NM_181842	rs7702447	1.18E-02	darkmagenta	0.02945	
<i>ZBTB20</i>	NM_015642	rs2254527	4.43E-04	darkmagenta	0.66227	
<i>ZDHHC12</i>	NM_032799	rs870815	1.05E-01	darkmagenta	0.70371	
<i>ZDHHC23</i>	NM_173570	rs2798657	4.44E-02	darkmagenta	0.59656	
<i>ZNF420</i>	NM_144689	rs441328	1.04E-02	darkmagenta	0.00408	
<i>ZNF490</i>	NM_020714	rs1111059	2.46E-04	darkmagenta	0.00108	
<i>ZNF539</i>	NM_203282	rs2339940	1.46E-02	darkmagenta	0.00078	
<i>AP4S1</i>	NM_007077	rs586594	1.15E-03	gold4	0.51461	
<i>C21orf67</i>	NM_058188	NA	NA	gold4	0.96058	
<i>CACNA2D2</i>	NM_001005505	rs913465	3.20E-03	gold4	0.33823	epilepsy
<i>COL25A1</i>	NM_032518	rs3098728	1.00E-03	gold4	0.13549	
<i>DNMT3A</i>	NM_022552	rs10517083	4.99E-03	gold4	0.01001	
<i>EED</i>	NM_152991	rs6849318	4.96E-03	gold4	0.25342	
<i>FLJ32926</i>	NM_144577	NA	NA	gold4	0.22396	
<i>HIST1H3G</i>	NM_003534	rs11160030	2.17E-02	gold4	0.22859	
<i>IL28A</i>	NM_172138	rs9855433	1.33E-02	gold4	0.45135	
<i>LOC387778</i>	NM_001008778	NA	NA	gold4	0.39262	
<i>LOC654151</i>	XM_940045	NA	NA	gold4	0.69858	
<i>MSRB3</i>	NM_001031679	rs696014	5.31E-03	gold4	0.24280	
<i>OAZ3</i>	NM_016178	rs1634079	1.82E-02	gold4	0.33647	
<i>OR52R1</i>	NM_001005177	rs1558250	5.83E-03	gold4	0.28536	
<i>OR6Q1</i>	NM_001005186	rs2866831	4.06E-03	gold4	0.52207	
<i>PILRB</i>	NM_013440	NA	NA	gold4	0.38297	
<i>PNPLA1</i>	NM_001039725	NA	NA	gold4	0.23066	
<i>RBPSUHL</i>	NM_014276	NA	NA	gold4	1.00000	
<i>SELM</i>	NM_080430	rs9258303	1.40E-02	gold4	0.36974	

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<i>SLC44A4</i>	NM_032794	NA	NA	gold4	0.01123	
<i>STARD8</i>	NM_014725	NA	NA	gold4	0.57744	
<i>SYNGAP1</i>	NM_006772	rs6462481	2.99E-03	gold4	0.24573	
<i>TMPRSS4</i>	NM_019894	rs1289666	1.07E-02	gold4	0.54204	
<i>ZNF396</i>	NM_145756	rs3130559	9.51E-03	gold4	0.35648	
	5-Mar NM_020814	NA	NA	green	0.22855	
<i>ABCB1</i>	NM_000927	rs3784759	6.80E-03	green	0.26588	
<i>ABCB4</i>	NM_000443	rs4072556	1.95E-02	green	0.28449	
<i>ABCC6</i>	NM_001171	rs344734	5.69E-03	green	0.00802	
<i>ACOT4</i>	NM_152331	rs7215957	2.79E-03	green	0.05217	
<i>ACSL3</i>	NM_004457	rs6717500	7.24E-03	green	0.68360	
<i>ACTC</i>	NM_005159	NA	NA	green	0.50960	
<i>ADAMTS8</i>	NM_007037	rs2713589	1.45E-02	green	0.17953	
<i>ADCY6</i>	NM_015270	rs6458566	4.20E-03	green	0.14649	
<i>ADRB2</i>	NM_000024	rs2082382	1.21E-02	green	0.13322	autism
<i>AKAP11</i>	NM_144490	NA	NA	green	0.23158	
<i>AKAP12</i>	NM_144497	rs7781309	1.39E-02	green	0.17456	
<i>AKAP7</i>	NM_004842	rs4751145	6.29E-03	green	0.62851	
<i>AKAP7</i>	NM_016377	rs4751145	6.29E-03	green	0.70159	
<i>ALOX5</i>	NM_000698	rs12712937	3.03E-03	green	0.24830	
<i>ANKRD1</i>	NM_014391	rs1755991	1.79E-03	green	0.12873	
<i>ANKRD36</i>	NM_198555	NA	NA	green	0.04947	
<i>ARC</i>	NM_015193	rs10097505	1.05E-01	green	0.55876	
<i>ARHGDI6</i>	NM_001176	rs10967209	1.34E-02	green	0.32268	
<i>ARL13B</i>	NM_182896	rs10882254	4.95E-03	green	0.13428	
<i>ARL5B</i>	NM_178815	rs10511668	7.72E-03	green	0.15025	
<i>ATF3</i>	NM_001040619	rs6682064	1.05E-01	green	0.88704	
<i>ATF4</i>	NM_001675	rs1565866	9.24E-03	green	0.03487	
<i>ATOH8</i>	NM_032827	rs1014915	4.67E-03	green	0.46287	
<i>ATP8B2</i>	NM_020452	rs2296254	2.04E-02	green	0.29661	
<i>ATR</i>	NM_001184	rs17409	3.18E-03	green	0.12076	
<i>ATXN2L</i>	NM_017492	NA	NA	green	0.01578	
<i>BACH2</i>	NM_021813	rs17731311	1.02E-03	green	0.54910	
<i>BAI1</i>	XM_940726	NA	NA	green	0.03219	
<i>BAIAP2</i>	NM_006340	rs720863	1.90E-02	green	0.79238	
<i>BAIAP2</i>	NM_006340	rs720863	1.90E-02	green	0.69023	
<i>BAIAP2</i>	NM_017450	rs720863	1.90E-02	green	0.86269	
<i>BCL9</i>	NM_004326	rs979000	2.36E-02	green	0.89882	
<i>BCL9L</i>	NM_182557	rs2649098	1.27E-02	green	0.03790	
<i>BHLHB2</i>	NM_003670	NA	NA	green	0.22412	
<i>BIRC3</i>	NM_001165	rs12476979	1.71E-02	green	0.12923	
<i>BMP2K</i>	NM_017593	rs1870923	3.76E-03	green	0.29954	
<i>BNC1</i>	NM_001717	rs224955	5.74E-03	green	0.08088	
<i>BOLA1</i>	NM_016074	rs30330	8.82E-03	green	0.09181	
<i>C10orf54</i>	NM_022153	rs7231241	1.88E-03	green	0.47153	
<i>C10orf6</i>	NM_018121	NA	NA	green	0.88286	
<i>C10orf63</i>	NM_145010	NA	NA	green	0.03494	
<i>C10orf77</i>	NM_024789	NA	NA	green	0.17396	
<i>C12orf60</i>	NM_175874	rs7304054	2.77E-03	green	0.10006	

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<i>C14orf140</i>	NM_001042430	NA	NA	green	0.40767	
<i>C14orf43</i>	NM_194278	rs11220	7.35E-03	green	0.58716	
<i>C15orf39</i>	NM_015492	rs11000020	2.29E-02	green	0.04746	
<i>C15orf41</i>	NM_032499	rs2243982	6.67E-04	green	0.33186	
<i>C17orf76</i>	NM_207387	rs3768293	6.71E-03	green	0.20377	
<i>C1orf51</i>	NM_144697	rs12013571	2.00E-02	green	0.27824	
<i>C1orf83</i>	NM_153035	rs12504598	4.19E-03	green	0.45374	
<i>C1QL2</i>	NM_182528	rs7854254	6.06E-02	green	0.10156	
<i>C1QTNF6</i>	NM_182486	rs229566	6.84E-03	green	0.17123	
<i>C3orf18</i>	NM_016210	rs10141612	3.35E-03	green	0.17141	
<i>C6orf128</i>	NM_145316	NA	NA	green	0.38947	
<i>C6orf145</i>	NM_183373	rs13395090	4.13E-03	green	0.48243	
<i>C6orf15</i>	NM_014070	rs3130559	9.51E-03	green	0.21560	
<i>C6orf57</i>	NM_145267	rs10879474	1.37E-02	green	0.14115	
<i>C6orf59</i>	NM_024929	NA	NA	green	0.24126	
<i>C9orf132</i>	NM_203305	rs17344939	1.96E-02	green	0.60481	
<i>C9orf3</i>	NM_032823	rs17685664	5.46E-04	green	0.42653	
<i>CACNA1H</i>	NM_021098	rs7208333	5.04E-04	green	0.35142	
<i>CALCRL</i>	NM_005795	rs172818	1.03E-03	green	0.14429	
<i>CBFB</i>	NM_001755	rs11131036	7.78E-04	green	0.75452	
<i>CCL26</i>	NM_006072	rs6904232	1.66E-02	green	0.31113	
<i>CCNA1</i>	NM_003914	rs6476493	4.71E-02	green	0.60598	
<i>CDC42EP1</i>	NM_007061	NA	NA	green	0.45645	
<i>CDC42EP1</i>	NM_007061	NA	NA	green	0.13264	
<i>CDYL</i>	NM_004824	rs4496983	1.66E-03	green	0.33979	
<i>CEBPA</i>	NM_004364	rs4407366	5.15E-03	green	0.04882	
<i>CEBPB</i>	NM_005194	rs4774557	1.66E-03	green	0.63133	
<i>CFH</i>	NM_000186	rs7524776	3.09E-02	green	0.01466	
<i>CGN</i>	NM_020770	rs11797944	7.37E-03	green	0.90682	
<i>CGNL1</i>	NM_032866	rs160078	1.63E-03	green	0.67978	
<i>ChGn</i>	NM_018371	NA	NA	green	0.01409	
<i>CHRNA3</i>	NM_000743	rs12914385	1.94E-02	green	0.12096	
<i>CHST3</i>	NM_004273	rs7965596	2.82E-03	green	0.87313	
<i>CHST6</i>	NM_021615	rs555779	3.13E-03	green	0.44322	
<i>CLCF1</i>	NM_013246	rs8064579	6.41E-03	green	0.88265	
<i>CLDN1</i>	NM_021101	rs12987796	1.10E-01	green	0.59678	
<i>CLIC6</i>	NM_053277	rs6457797	1.34E-02	green	0.07530	
<i>CNR1</i>	NM_016083	rs277742	4.38E-03	green	0.47719	autism
<i>CNTN1</i>	NM_001843	rs9369119	6.13E-04	green	0.06153	
<i>COL13A1</i>	NM_080805	rs1351419	4.06E-04	green	0.03381	
<i>COL2A1</i>	NM_001844	rs2416025	7.55E-04	green	0.37018	
<i>COL5A1</i>	NM_000093	rs10496744	3.40E-03	green	0.33312	
<i>COL7A1</i>	NM_000094	rs2255532	1.51E-03	green	0.09132	
<i>CPEB1</i>	NM_001079534	rs11163106	3.86E-03	green	0.62430	
<i>CPEB1</i>	NM_030594	rs11163106	3.86E-03	green	0.80735	
<i>CPNE4</i>	NM_130808	rs9321351	8.08E-05	green	0.39427	
<i>CPZ</i>	NM_001014447	rs3794318	4.29E-03	green	0.05813	
<i>CTGF</i>	NM_001901	rs1605327	2.31E-02	green	0.63824	
<i>CXorf12</i>	NM_003492	NA	NA	green	0.40851	

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<i>DDN</i>	NM_015086	rs10165893	7.51E-04	green	0.09459	
<i>DIO2</i>	NM_001007023	rs2373478	1.24E-03	green	0.25513	
<i>DKK1</i>	NM_012242	rs13235506	4.95E-03	green	0.00402	
<i>DNAJC12</i>	NM_021800	rs11661396	6.00E-03	green	0.86594	
<i>DNAJC12</i>	NM_201262	rs11661396	6.00E-03	green	0.78247	
<i>DNMBP</i>	NM_015221	rs6539053	1.50E-03	green	0.11248	
<i>DOK4</i>	NM_018110	rs10888939	3.92E-03	green	0.20279	
<i>DSCR1</i>	NM_004414	NA	NA	green	0.29775	
<i>DUSP14</i>	NM_007026	rs1609948	3.71E-03	green	0.85518	
<i>DUSP4</i>	NM_057158	rs6518702	3.87E-02	green	0.42213	
<i>DYNLRB2</i>	NM_130897	rs12343395	6.38E-03	green	0.04552	
<i>EDN1</i>	NM_001955	rs4702867	6.85E-03	green	0.40089	
<i>EFEMP1</i>	NM_001039348	rs6766861	8.05E-03	green	0.47166	
<i>EFEMP1</i>	NM_004105	rs6766861	8.05E-03	green	0.40136	
<i>EFNA1</i>	NM_004428	rs9324761	1.35E-03	green	0.66194	
<i>EFNA1</i>	NM_004428	rs9324761	1.35E-03	green	0.60803	
<i>EGFL9</i>	NM_023932	NA	NA	green	0.43149	
<i>EGR1</i>	NM_001964	rs1901803	2.45E-02	green	0.79110	
<i>EGR2</i>	NM_000399	rs4968938	4.61E-02	green	0.86433	autism
<i>EIF2C2</i>	NM_012154	rs11739594	7.96E-03	green	0.57302	
<i>EIF5</i>	NM_183004	rs4135064	2.67E-03	green	0.09216	
<i>ELF1</i>	NM_172373	rs6072705	3.47E-03	green	0.41747	
<i>ELF4</i>	NM_001421	NA	NA	green	0.09482	
<i>ELMO3</i>	NM_024712	rs10498525	1.72E-02	green	0.18978	
<i>ERN1</i>	NM_152461	NA	NA	green	0.59958	
<i>ETV1</i>	NM_004956	rs11023030	1.12E-03	green	0.28793	
<i>EXOC6</i>	NM_001013848	rs4538949	3.16E-03	green	0.61602	
<i>FAM102A</i>	NM_001035254	rs2713589	1.45E-02	green	0.18613	
<i>FAM13C1</i>	NM_198215	NA	NA	green	0.43847	
<i>FAM46B</i>	NM_052943	rs16967029	4.27E-03	green	0.56841	
<i>FBLN1</i>	NM_001996	rs1984192	5.50E-04	green	0.36016	
<i>FBLN1</i>	NM_001996	rs1984192	5.50E-04	green	0.34679	
<i>FBLN1</i>	NM_006486	rs1984192	5.50E-04	green	0.39352	
<i>FCHO2</i>	NM_138782	rs9310236	5.49E-04	green	0.03071	
<i>FCN3</i>	NM_173452	rs929620	1.23E-02	green	0.23008	
<i>FGF19</i>	NM_005117	rs3853158	8.30E-03	green	0.41423	
<i>FLJ10213</i>	NM_018029	NA	NA	green	0.19885	
<i>FLJ10324</i>	NM_018059	NA	NA	green	0.07849	
<i>FLJ20273</i>	NM_019027	NA	NA	green	0.17554	
<i>FLJ20366</i>	NM_017786	NA	NA	green	0.88912	
<i>FLJ37266</i>	NM_175892	NA	NA	green	0.46920	
<i>FOSB</i>	NM_006732	rs6097043	9.55E-04	green	0.49334	
<i>FOXC1</i>	NM_001453	rs2745580	1.20E-02	green	0.55541	
<i>FOXD2</i>	NM_004474	rs1959775	4.90E-02	green	0.22370	
<i>FOXP4</i>	NM_001012427	rs16871561	1.30E-03	green	0.20781	
<i>FRAT2</i>	NM_012083	rs4735521	1.75E-02	green	0.63618	
<i>FRZB</i>	NM_001463	rs6698109	3.61E-02	green	0.15955	
<i>FSTL3</i>	NM_005860	rs13381806	8.14E-03	green	0.26730	
<i>FXYS5</i>	NM_014164	rs1325545	4.05E-03	green	0.18328	

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<i>FXVD5</i>	NM_014164	rs1325545	4.05E-03	green	0.36316
<i>FXVD7</i>	NM_022006	rs1325545	4.05E-03	green	0.40822
<i>GALIG</i>	NM_194327	NA	NA	green	0.10908
<i>GARNL4</i>	NM_015085	NA	NA	green	0.66821
<i>GBP2</i>	NM_004120	rs6551408	8.14E-03	green	0.24764
<i>GCH1</i>	NM_001024024	rs17117895	8.40E-04	green	0.30878
<i>GCH1</i>	NM_001024070	rs17117895	8.40E-04	green	0.45946
<i>GDF15</i>	NM_004864	rs7788359	5.73E-03	green	0.94008
<i>GEFT</i>	NM_182947	NA	NA	green	0.07993
<i>GFOD1</i>	NM_018988	rs17219978	2.12E-03	green	0.40508
<i>GFPT2</i>	NM_005110	rs2044479	7.49E-04	green	0.68323
<i>GFRA1</i>	NM_005264	rs6661142	5.24E-03	green	0.41687
<i>GFRA1</i>	NM_005264	rs6661142	5.24E-03	green	0.34892
<i>GGA1</i>	NM_001001560	rs848092	5.59E-03	green	0.09053
<i>GGTL3</i>	NM_178025	NA	NA	green	0.07047
<i>GJB2</i>	NM_004004	rs4441876	1.40E-03	green	0.27823
<i>GLCE</i>	NM_015554	rs4542295	5.39E-03	green	0.38283
<i>GLI4</i>	NM_138465	rs1967017	5.42E-03	green	0.16541
<i>GNB3</i>	NM_002075	rs905965	5.90E-03	green	0.16347
<i>GOLPH3L</i>	NM_018178	rs10484601	1.76E-02	green	0.52417
<i>GPM6A</i>	NM_201591	rs1495716	1.61E-02	green	0.30692
<i>GPR150</i>	NM_199243	rs17717907	2.80E-03	green	0.01180
<i>GPX6</i>	NM_182701	rs9314935	8.92E-03	green	0.01477
<i>H19</i>	NR_002196	rs901494	1.68E-02	green	0.40364
<i>HAGHL</i>	NM_207112	rs12185252	2.50E-03	green	0.11625
<i>HBEGF</i>	NM_001945	rs12703771	1.45E-02	green	0.63873
<i>HDHD3</i>	NM_031219	rs12408865	2.31E-02	green	0.38013
<i>HES2</i>	NM_019089	rs9931078	4.00E-03	green	0.01525
<i>HES4</i>	NM_021170	rs2784956	3.74E-02	green	0.56625
<i>HEXIM2</i>	NM_144608	rs4806155	1.77E-02	green	0.26485
<i>HIC1</i>	NM_006497	rs7783715	1.55E-02	green	0.30751
<i>HIG2</i>	NM_013332	NA	NA	green	0.23513
<i>HIST1H1C</i>	NM_005319	rs2094500	3.33E-02	green	0.16903
<i>HIST1H2BH</i>	NM_003524	rs2830038	6.21E-05	green	0.14222
<i>HIVEP1</i>	NM_002114	rs17422381	5.07E-03	green	0.38260
<i>HNMT</i>	NM_006895	rs3817939	1.87E-02	green	0.37020
<i>HOXB2</i>	NM_002145	rs7932879	3.90E-02	green	0.40732
<i>HRH1</i>	NM_000861	rs596406	3.55E-03	green	0.14083
<i>HS3ST1</i>	NM_005114	rs7194545	5.96E-03	green	0.08877
<i>HS3ST3A1</i>	NM_006042	rs3785697	3.02E-04	green	0.46357
<i>HS3ST4</i>	NM_006040	rs4307059	1.07E-05	green	0.21265
<i>HTR1F</i>	NM_000866	rs1493007	1.13E-02	green	0.40598
<i>IER5L</i>	NM_203434	rs4863907	2.93E-02	green	0.88294
<i>IFIT3</i>	NM_001549	rs11203078	1.70E-02	green	0.74945
<i>IFIT3</i>	NM_001549	rs11203078	1.70E-02	green	0.71051
<i>IFT74</i>	NM_025103	rs11015249	4.52E-03	green	0.30960
<i>IL13RA2</i>	NM_000640	NA	NA	green	0.35024
<i>IL6R</i>	NM_181359	rs9371587	3.71E-03	green	0.13054
<i>ITGA2</i>	NM_002203	rs8030739	2.47E-03	green	0.08904

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<i>JAZF1</i>	NM_175061	rs2614048	1.98E-03	green	0.09944
<i>JOSD3</i>	NM_024116	NA	NA	green	0.32030
<i>JUNB</i>	NM_002229	rs1326800	7.69E-03	green	0.53934
<i>KCNK12</i>	NM_022055	rs698334	1.06E-03	green	0.62610
<i>KHK</i>	NM_000221	rs9579104	9.66E-03	green	0.02330
<i>KIAA1026</i>	NM_001018000	NA	NA	green	0.77940
<i>KIAA1727</i>	NM_033393	NA	NA	green	0.81060
<i>KIAA1913</i>	NM_052913	NA	NA	green	0.09854
<i>KISS1R</i>	NM_032551	rs17702759	1.23E-02	green	0.01482
<i>KLF10</i>	NM_005655	rs513091	8.34E-04	green	0.17251
<i>KLF10</i>	NM_005655	rs513091	8.34E-04	green	0.32568
<i>KLF15</i>	NM_014079	rs7933438	2.91E-02	green	0.37335
<i>KLF2</i>	NM_016270	rs10280613	2.36E-02	green	0.58640
<i>KRT13</i>	NM_002274	rs13288123	1.27E-03	green	0.05595
<i>KRT19</i>	NM_002276	rs13288123	1.27E-03	green	0.61521
<i>LARP2</i>	NM_018078	NA	NA	green	0.25440
<i>LARP2</i>	NM_032239	NA	NA	green	0.51513
<i>LAT2</i>	NM_032464	rs11220	7.35E-03	green	0.18579
<i>LATS2</i>	NM_014572	rs6426629	2.74E-03	green	0.10639
<i>LBH</i>	NM_030915	rs2313742	2.10E-04	green	0.33530
<i>LBR</i>	NM_002296	rs3766928	6.33E-02	green	0.76008
<i>LBR</i>	NM_002296	rs3766928	6.33E-02	green	0.49647
<i>LIAS</i>	NM_006859	rs2638863	5.33E-03	green	0.28506
<i>LIF</i>	NM_002309	rs9579383	2.13E-02	green	0.93227
<i>LIMA1</i>	NM_016357	rs8092993	5.16E-03	green	0.84477
<i>LIMD1</i>	NM_014240	rs10493120	4.23E-03	green	0.02008
<i>LOC152485</i>	NM_178835	NA	NA	green	0.76679
<i>LOC285527</i>	XM_945291	NA	NA	green	0.20812
<i>LOC285989</i>	NM_213603	NA	NA	green	0.26602
<i>LOC388284</i>	NM_001012984	NA	NA	green	0.36219
<i>LOC400120</i>	NM_203451	NA	NA	green	0.65738
<i>LOC442578</i>	NM_001013739	NA	NA	green	0.24252
<i>LOC493869</i>	NM_001008397	NA	NA	green	0.30527
<i>LOC51136</i>	NM_016125	NA	NA	green	0.50047
<i>LOC651423</i>	XM_940575	NA	NA	green	0.62431
<i>LOC653767</i>	XM_933779	NA	NA	green	0.12110
<i>LOH3CR2A</i>	NM_013343	NA	NA	green	0.04426
<i>LRRC2</i>	NM_024512	rs11702684	1.83E-03	green	0.08202
<i>LRRC20</i>	NM_018239	rs3015906	8.88E-03	green	0.46548
<i>MAFF</i>	NM_012323	rs13288123	1.27E-03	green	0.04841
<i>MAL</i>	NM_002371	rs4379388	1.23E-03	green	0.56054
<i>MAL</i>	NM_022440	rs4379388	1.23E-03	green	0.55477
<i>MAP2K3</i>	XM_944206	NA	NA	green	0.66688
<i>MAP2K6</i>	NM_002758	rs5918959	5.22E-08	green	0.16061
<i>MAP3K8</i>	NM_005204	rs11150596	1.46E-02	green	0.08054
<i>MAT2A</i>	NM_005911	rs1252199	9.72E-03	green	0.91589
<i>MCL1</i>	NM_021960	rs6570850	1.15E-02	green	0.57698
<i>MCOLN3</i>	NM_018298	rs4693676	4.67E-04	green	0.03886
<i>MDK</i>	NM_001012333	rs131100	1.02E-02	green	0.31185

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<i>MDK</i>	NM_001012334	rs131100	1.02E-02	green	0.46590
<i>MERTK</i>	NM_006343	rs4839202	7.48E-04	green	0.62496
<i>MESP1</i>	NM_018670	rs17546468	5.34E-02	green	0.38043
<i>MEST</i>	NM_002402	rs6780207	3.54E-03	green	0.45205
<i>METRNL</i>	NM_001004431	rs4243200	1.44E-02	green	0.64617
<i>METRNL</i>	NM_001004431	rs4243200	1.44E-02	green	0.73984
<i>METRNL</i>	XM_941466	NA	NA	green	0.90986
<i>MFNG</i>	NM_002405	rs4833144	1.24E-04	green	0.04228
<i>MGC14376</i>	NM_001001870	NA	NA	green	0.61301
<i>MGC33846</i>	NM_175885	NA	NA	green	0.91325
<i>MGC34830</i>	NM_152314	NA	NA	green	0.32121
<i>MGC42367</i>	NM_207362	NA	NA	green	0.46693
<i>MGC59937</i>	NM_199001	NA	NA	green	0.48392
<i>MGC7036</i>	NM_145058	NA	NA	green	0.71397
<i>MGLL</i>	NM_007283	rs674768	2.96E-03	green	0.30750
<i>MKNK2</i>	NM_017572	rs7958309	8.89E-03	green	0.50314
<i>MKNK2</i>	NM_199054	rs7958309	8.89E-03	green	0.25308
<i>MYADM</i>	NM_001020820	rs12485746	1.19E-02	green	0.82384
<i>MYADM</i>	NM_138373	rs12485746	1.19E-02	green	0.08316
<i>MYH7</i>	NM_000257	rs12712685	1.91E-03	green	0.24555
<i>NAB1</i>	NM_005966	rs2286896	8.31E-02	green	0.62926
<i>NAB2</i>	NM_005967	rs12148857	5.11E-03	green	0.93001
<i>NANP</i>	NM_152667	rs10842572	9.44E-03	green	0.06210
<i>NAT6</i>	NM_012191	rs2958944	4.08E-03	green	0.47521
<i>NDEL1</i>	NM_030808	rs1882368	1.44E-03	green	0.70631
<i>NDP</i>	NM_000266	NA	NA	green	0.89556
<i>NFX1</i>	NM_147133	rs10954906	1.42E-03	green	0.05763
<i>NMI</i>	NM_004688	rs2071262	5.24E-03	green	0.20525
<i>NMNAT2</i>	NM_015039	rs12757973	1.21E-02	green	0.53126
<i>NMNAT2</i>	NM_015039	rs12757973	1.21E-02	green	0.70553
<i>NOL12</i>	NM_024313	rs10836560	1.56E-02	green	0.17802
<i>NPAL1</i>	NM_207330	NA	NA	green	0.03783
<i>NPAS1</i>	NM_002517	rs11991676	1.33E-02	green	0.20882
<i>NPFFR1</i>	NM_022146	rs2885280	4.25E-03	green	0.01071
<i>NPY</i>	NM_000905	rs11074618	5.03E-03	green	0.34505
<i>NR3C1</i>	NM_001020825	rs10216140	1.06E-03	green	0.29635
<i>NTSR1</i>	NM_002531	rs1450774	6.51E-03	green	0.03649
<i>NUAK2</i>	NM_030952	rs4950989	8.07E-03	green	0.57134
<i>NUDT18</i>	NM_024815	rs13256571	2.71E-02	green	0.43244
<i>NXPH1</i>	NM_152745	rs10758979	3.28E-03	green	0.21552
<i>NXPH4</i>	NM_007224	rs6763408	4.33E-03	green	0.07422
<i>OPRK1</i>	NM_000912	rs4082297	4.88E-03	green	0.11116
<i>OTUB2</i>	NM_023112	rs1444857	1.07E-02	green	0.11210
<i>OTUD4</i>	NM_199324	NA	NA	green	0.55436
<i>PABPC1</i>	NM_002568	rs4772463	1.77E-02	green	0.02798
<i>PARD6B</i>	NM_032521	rs1555672	4.12E-03	green	0.23547
<i>PARP9</i>	NM_031458	rs6569343	1.06E-02	green	0.12446
<i>PCBP4</i>	NM_033008	rs6499586	1.02E-02	green	0.16267
<i>PCDHAC1</i>	NM_031882	rs964942	2.65E-02	green	0.09557

epilepsy

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<i>PDGFB</i>	NM_002608	rs5917553	2.33E-03	green	0.37773	
<i>PDGFB</i>	NM_033016	rs5917553	2.33E-03	green	0.54779	
<i>PDGFB</i>	NM_033016	rs5917553	2.33E-03	green	0.63665	
<i>PDK4</i>	NM_002612	rs4379388	1.23E-03	green	0.13013	
<i>PER2</i>	NM_022817	rs2304674	1.47E-03	green	0.24601	
<i>PFKFB3</i>	NM_004566	rs2117784	5.92E-04	green	0.32003	
<i>PHLPL</i>	NM_015020	NA	NA	green	0.18850	
<i>PLAT</i>	NM_000930	rs17557963	4.13E-03	green	0.46393	
<i>PLD5</i>	NM_152666	rs192890	6.77E-03	green	0.62960	
<i>PLEKHH2</i>	NM_172069	rs766117	8.23E-03	green	0.61837	
<i>POGZ</i>	NM_145796	rs2170606	2.96E-04	green	0.64763	
<i>PPARGC1B</i>	NM_133263	rs4705079	1.14E-02	green	0.29720	
<i>PPFIA1</i>	NM_177423	rs6960495	3.22E-03	green	0.05005	
<i>PPP1R3C</i>	NM_005398	rs213669	6.86E-02	green	1.00000	
<i>PRKAG2</i>	NM_016203	rs4725434	9.55E-04	green	0.56502	
<i>PRO0628</i>	NR_002764	NA	NA	green	0.10685	
<i>PRPF4B</i>	NM_003913	rs2531995	2.64E-03	green	0.10149	
<i>PTPRH</i>	NM_002842	rs13059601	2.22E-02	green	0.34763	
<i>QTRTD1</i>	NM_024638	rs1939871	1.52E-02	green	0.64390	
<i>RAB33A</i>	NM_004794	NA	NA	green	0.49906	
<i>RALGDS</i>	NM_006266	rs480368	3.78E-02	green	0.05218	
<i>RALGPS2</i>	NM_018037	NA	NA	green	0.05939	
<i>RAPH1</i>	NM_213589	rs954206	6.81E-03	green	0.12331	
<i>RARA</i>	NM_001024809	rs972894	9.62E-03	green	0.47006	
<i>RASL11A</i>	NM_206827	rs2992299	1.29E-03	green	0.85091	
<i>RBM3</i>	NM_001017430	NA	NA	green	0.01355	
<i>RHBDL3</i>	NM_138328	rs10968018	8.82E-03	green	0.59026	
<i>RNF135</i>	NM_032322	rs2830028	9.36E-04	green	0.30619	
<i>RNF24</i>	NM_007219	rs2531995	2.64E-03	green	0.45957	
<i>RPS6KA3</i>	NM_004586	NA	NA	green	0.44937	
<i>RRAD</i>	NM_004165	rs4581806	5.59E-03	green	0.22339	
<i>RRP22</i>	NM_001007279	NA	NA	green	0.70419	
<i>SAMD11</i>	NM_152486	rs502522	8.76E-03	green	0.05630	
<i>SCN1B</i>	NM_199037	rs3783167	2.13E-04	green	0.47330	epilepsy
<i>SCN2A2</i>	NM_021007	NA	NA	green	0.52618	autism & epilepsy
<i>SCN2A2</i>	NM_021007	NA	NA	green	0.39042	autism & epilepsy
<i>SDC4</i>	NM_002999	rs10506255	3.21E-02	green	0.92271	
<i>SDCCAG8</i>	NM_006642	rs1058304	3.32E-02	green	0.34036	
<i>SEC14L2</i>	NM_012429	rs7885168	9.21E-03	green	0.62855	
<i>SEMA4D</i>	NM_006378	rs12418522	6.55E-03	green	0.45172	
<i>SEMA6D</i>	NM_024966	rs13033787	1.09E-02	green	0.07793	
<i>SERTAD1</i>	NM_013376	rs1058041	7.12E-03	green	0.85820	
<i>SETD3</i>	NM_199123	rs3935661	4.90E-03	green	0.11460	
<i>SF1</i>	NM_201997	rs8039508	4.09E-02	green	0.10178	
<i>SFRP1</i>	NM_003012	rs7955255	1.45E-03	green	0.32466	
<i>SH3BGR</i>	NM_007341	rs11712154	5.09E-03	green	0.01248	
<i>SH3BP1</i>	NM_018957	rs698295	9.38E-04	green	0.51376	
<i>SHH</i>	NM_000193	rs12760229	1.07E-02	green	0.07484	
<i>SIRT4</i>	NM_012240	rs332672	6.34E-03	green	0.75301	

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<i>SLC25A25</i>	NM_001006641	rs12421135	4.74E-03	green	0.12729
<i>SLC2A1</i>	NM_006516	rs6463175	8.12E-03	green	0.76278
<i>SLC30A1</i>	NM_021194	rs16824906	5.19E-02	green	0.05917
<i>SLC35F4</i>	XM_936857	NA	NA	green	0.64025
<i>SLC41A2</i>	NM_032148	rs513091	8.34E-04	green	0.50881
<i>SLC6A9</i>	NM_006934	rs1984192	5.50E-04	green	0.55827
<i>SLCO4C1</i>	NM_180991	rs6539053	1.50E-03	green	0.01492
<i>SMAD3</i>	NM_005902	rs1471504	4.02E-03	green	0.85099
<i>SMARCD1</i>	NM_003076	rs8088528	7.71E-03	green	0.03382
<i>SMOX</i>	NM_175840	rs12601993	3.04E-03	green	0.52768
<i>SMOX</i>	NM_019025	NA	NA	green	0.66346
<i>SMYD4</i>	NM_052928	rs9917191	8.34E-03	green	0.73231
<i>SORBS1</i>	NM_015385	rs2404692	1.16E-03	green	0.44631
<i>SOX18</i>	NM_018419	rs11668315	1.08E-02	green	0.48080
<i>SPATA7</i>	NM_018418	rs11201937	3.84E-02	green	0.23693
<i>SPATA7</i>	NM_018418	rs11201937	3.84E-02	green	0.45519
<i>SPHK1</i>	NM_021972	rs11823867	2.28E-03	green	0.86714
<i>SPINT1</i>	NM_003710	rs11211099	7.35E-03	green	0.29392
<i>SPRED1</i>	NM_152594	rs698295	9.38E-04	green	0.90451
<i>SRP35</i>	NM_080743	NA	NA	green	0.58506
<i>SULT1C3</i>	NM_001008743	rs1999487	4.23E-03	green	0.06369
<i>SYT12</i>	NM_177963	rs11858565	1.30E-02	green	0.09398
<i>SYT4</i>	NM_020783	rs2317512	4.22E-02	green	0.27169
<i>TACSTD2</i>	NM_002353	rs8024629	3.17E-02	green	0.39630
<i>TBC1D10A</i>	NM_031937	rs16997970	2.36E-03	green	0.49627
<i>TEK</i>	NM_000459	rs16967029	4.27E-03	green	0.42363
<i>TFAP4</i>	NM_003223	rs16989445	8.12E-04	green	0.04732
<i>TFEB</i>	NM_007162	rs10512793	8.42E-04	green	0.40326
<i>TGFA</i>	NM_003236	rs902726	1.23E-03	green	0.43024
<i>TGFBI</i>	NM_000358	rs895596	1.82E-02	green	0.39722
<i>TGFBR2</i>	NM_001024847	rs586594	1.15E-03	green	0.39754
<i>TMC6</i>	NM_007267	rs11635996	9.75E-02	green	0.18704
<i>TMCO6</i>	NM_018502	rs7870040	7.78E-03	green	0.06052
<i>TMEM87B</i>	NM_032824	rs1489032	6.65E-03	green	0.55534
<i>TMEPAI</i>	NM_020182	NA	NA	green	0.46584
<i>TMEPAI</i>	NM_199169	NA	NA	green	0.92676
<i>TMEPAI</i>	NM_199169	NA	NA	green	0.92026
<i>TNFRSF12A</i>	NM_016639	rs7225748	6.37E-04	green	0.34762
<i>TNFSF12</i>	NM_003809	rs7340751	8.03E-03	green	0.41772
<i>TPCN2</i>	NM_139075	rs10997557	1.64E-03	green	0.22197
<i>TPD52L1</i>	NM_001003396	rs7602423	1.02E-04	green	0.21380
<i>TPD52L1</i>	NM_001003397	rs7602423	1.02E-04	green	0.22563
<i>TRIM9</i>	NM_052978	rs6097043	9.55E-04	green	0.62680
<i>UBE2J1</i>	NM_016021	rs714489	1.56E-02	green	0.55492
<i>UPP1</i>	NM_181597	rs1959545	3.01E-03	green	0.66544
<i>VCL</i>	NM_003373	rs6910395	5.90E-03	green	0.50017
<i>XKRX</i>	NM_212559	NA	NA	green	0.30447
<i>ZFP36</i>	NM_003407	rs8031757	2.00E-02	green	0.33908
<i>ZNF341</i>	NM_032819	rs10011864	4.49E-03	green	0.22668

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<i>ZNF365</i>	NM_014951	rs2286614	1.30E-03	green	0.54175
<i>ZNF436</i>	NM_030634	rs9553164	2.46E-03	green	0.33586
<i>ZNF436</i>	NM_030634	rs9553164	2.46E-03	green	0.40358
<i>ZNF503</i>	NM_032772	rs9917184	4.51E-02	green	0.36578
<i>ZNF521</i>	NM_015461	rs11204153	4.59E-04	green	0.05697
<i>ZNF537</i>	NM_020856	NA	NA	green	0.76598
<i>ZNF655</i>	NM_001009957	NA	NA	green	0.01949
<i>ZNF703</i>	NM_025069	rs13302352	2.28E-04	green	0.00900
<i>ZSWIM4</i>	NM_023072	rs11979631	1.43E-03	green	0.60151
<i>ADNP</i>	NM_015339	rs2215361	1.39E-02	grey	0.09562
<i>AGL</i>	NM_000645	rs6706188	3.31E-03	grey	0.77270
<i>ARHGAP11A</i>	NM_199357	rs1002149	8.57E-03	grey	0.60770
<i>ARID2</i>	NM_152641	rs9819635	2.10E-03	grey	0.86040
<i>C1orf116</i>	NM_023938	rs7525449	2.67E-01	grey	0.29783
<i>C1orf32</i>	NM_199351	NA	NA	grey	0.00028
<i>C6orf199</i>	NM_145025	NA	NA	grey	0.97879
<i>CDH7</i>	NM_004361	rs9636161	5.00E-03	grey	0.79938
<i>CLEC12A</i>	NM_138337	rs4669512	7.22E-04	grey	0.20300
<i>CXCL6</i>	NM_002993	rs2377405	2.04E-02	grey	0.28471
<i>CYorf15B</i>	NM_032576	NA	NA	grey	0.20494
<i>DGAT2L4</i>	NM_001002254	NA	NA	grey	0.36223
<i>EFCBP1</i>	NM_022351	NA	NA	grey	0.63618
<i>FGF13</i>	NM_033642	NA	NA	grey	0.62504
<i>FUT2</i>	NM_000511	rs1370270	2.00E-02	grey	0.00259
<i>GAB1</i>	NM_207123	rs879740	4.60E-03	grey	0.69990
<i>HCG4</i>	NR_002139	rs12547428	6.04E-03	grey	0.00306
<i>HSDL1</i>	NM_031463	rs1123203	1.19E-02	grey	0.70838
<i>IL17C</i>	NM_013278	rs2814730	2.58E-02	grey	0.12179
<i>KLC4</i>	NM_201523	rs1027413	2.09E-02	grey	0.01867
<i>KRTAP12-4</i>	NM_198698	rs718798	1.35E-03	grey	0.02325
<i>LARP4</i>	NM_052879	rs11903014	9.25E-03	grey	0.47446
<i>LGI4</i>	NM_139284	rs1077330	6.46E-03	grey	0.07356
<i>LIMD2</i>	NM_030576	rs11603417	9.13E-05	grey	0.00234
<i>LOC253012</i>	NM_198151	NA	NA	grey	0.22403
<i>LOC649516</i>	XM_943751	NA	NA	grey	0.41215
<i>LOC653558</i>	XM_928059	NA	NA	grey	0.80953
<i>LRRC48</i>	NM_031294	rs7119188	5.06E-04	grey	0.93241
<i>MUSK</i>	NM_005592	rs1489032	6.65E-03	grey	0.70185
<i>NCF4</i>	NM_013416	rs286411	7.75E-04	grey	0.33436
<i>PPIL4</i>	NM_139126	rs17025017	1.53E-02	grey	0.14246
<i>PRO0611</i>	NR_002762	rs7812391	7.25E-03	grey	0.05652
<i>PSORS1C1</i>	NM_014068	rs6870556	5.43E-03	grey	0.83452
<i>RAPSN</i>	NM_032645	rs9357530	1.98E-02	grey	0.94959
<i>RECK</i>	NM_021111	rs17203014	2.17E-04	grey	0.76184
<i>RPS6KC1</i>	NM_012424	rs7580725	2.44E-02	grey	0.36692
<i>SDC1</i>	NM_002997	rs11624594	8.09E-04	grey	0.04668
<i>SLC28A1</i>	NM_004213	rs16944618	2.18E-02	grey	0.23147
<i>SLC29A4</i>	NM_001040661	rs1995205	9.31E-03	grey	0.04409
<i>SLC5A12</i>	NM_001042366	NA	NA	grey	0.47241

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<i>SNORA32</i>	NR_003032	rs316123	4.19E-02	grey	0.08786	
<i>SYNE2</i>	NM_182910	rs1059440	3.07E-03	grey	0.51562	
<i>TBX20</i>	NM_001077653	rs2701516	1.79E-04	grey	0.07929	
<i>TMEM67</i>	NM_153704	rs1622018	6.77E-03	grey	0.16415	
<i>ZNF510</i>	NM_014930	rs10892901	3.08E-03	grey	1.00000	
<i>ZNF596</i>	NM_173539	rs727056	2.01E-03	grey	0.43994	
<i>ZNF625</i>	NM_145233	rs17422381	5.07E-03	grey	0.89013	
<i>ANKRA2</i>	NM_023039	rs7099452	2.00E-02	hotpink	0.67699	
<i>ARHGAP24</i>	NM_001025616	rs4843301	5.09E-03	hotpink	0.42348	
<i>ARID5A</i>	NM_212481	rs2579502	7.23E-03	hotpink	0.62463	
<i>BCL2L12</i>	NM_138639	rs2012146	5.82E-03	hotpink	0.74551	
<i>BDH2</i>	NM_020139	rs9519469	4.09E-02	hotpink	0.20914	
<i>C10orf10</i>	NM_007021	rs609643	9.58E-03	hotpink	0.15481	
<i>CKMT1A</i>	NM_001015001	rs10512793	8.42E-04	hotpink	0.30793	
<i>CLCN6</i>	NM_001286	rs9348951	5.54E-03	hotpink	0.28427	
<i>DENND2D</i>	NM_024901	rs7056297	2.55E-02	hotpink	0.41090	
<i>EHHADH</i>	NM_001966	rs9852812	1.77E-03	hotpink	1.00000	
<i>GABRB1</i>	NM_000812	rs1077216	1.10E-03	hotpink	0.32040	autism
<i>GNA13</i>	NM_006572	rs13064050	5.02E-03	hotpink	0.25546	
<i>IRXL1</i>	NM_173576	NA	NA	hotpink	0.89679	
<i>ITGA6</i>	NM_000210	rs736077	2.03E-03	hotpink	0.38312	
<i>MCART6</i>	NM_001012755	NA	NA	hotpink	0.38927	
<i>OTX1</i>	NM_014562	rs11520658	8.13E-03	hotpink	0.51128	epilepsy
<i>PCYT1B</i>	NM_004845	NA	NA	hotpink	0.74972	
<i>RCCD1</i>	NM_001017919	rs2622629	3.07E-02	hotpink	0.44858	
<i>RFX4</i>	NM_002920	rs1890227	3.09E-03	hotpink	0.32884	
<i>RNASEL</i>	NM_021133	rs9685097	1.37E-02	hotpink	0.71482	
<i>SCCPDH</i>	NM_016002	rs7513496	1.80E-01	hotpink	0.45389	
<i>SORBS1</i>	NM_006434	rs2404692	1.16E-03	hotpink	0.77209	
<i>TEX15</i>	NM_031271	rs12915554	1.15E-03	hotpink	0.36071	
<i>TMEM38A</i>	NM_024074	rs12221081	4.45E-03	hotpink	0.59129	
<i>XKR6</i>	NM_001012239	NA	NA	hotpink	0.16503	
	2-Sep					
	NM_052838	NA	NA	magenta	0.09119	
<i>ABHD7</i>	NM_173567	NA	NA	magenta	0.05650	
<i>ACY1L2</i>	NM_001010853	NA	NA	magenta	0.86142	
<i>APAF1</i>	NM_181869	rs11214229	2.48E-03	magenta	0.05988	
<i>AQR</i>	NM_014691	rs7014840	7.85E-04	magenta	0.45832	
<i>CENTD2</i>	NM_015242	NA	NA	magenta	0.02477	
<i>CHAC1</i>	NM_024111	rs6065290	3.28E-02	magenta	0.35923	
<i>COL4A5</i>	NM_033380	NA	NA	magenta	0.87678	
<i>DKFZp564N2472</i>	NM_182595	NA	NA	magenta	0.19521	
<i>DST</i>	NM_183380	NA	NA	magenta	0.26517	
<i>EMR2</i>	NM_152916	rs12601076	5.77E-03	magenta	0.18559	
<i>ENPP2</i>	NM_001040092	rs7129402	4.41E-02	magenta	1.00000	
<i>FLJ23657</i>	NM_178497	NA	NA	magenta	0.02507	
<i>FLJ40869</i>	NM_182625	NA	NA	magenta	0.00020	
<i>GPC3</i>	NM_004484	NA	NA	magenta	0.52151	
<i>KCNE4</i>	NM_080671	rs12737248	4.09E-02	magenta	0.96550	
<i>KIAA0265</i>	NM_014997	NA	NA	magenta	0.45403	

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<i>LOC139886</i>	NM_001012968	NA	NA	magenta	0.79002	
<i>MYO3A</i>	NM_017433	rs2830038	6.21E-05	magenta	0.54380	
<i>NCOR2</i>	NM_006312	rs4296799	3.73E-03	magenta	0.58470	
<i>NIN</i>	NM_020921	rs2282751	9.49E-04	magenta	0.80868	
<i>NKX6-3</i>	NM_152568	rs16871561	1.30E-03	magenta	0.06643	
<i>NUP98</i>	NM_005387	rs8046065	2.38E-03	magenta	0.09691	
<i>OR11L1</i>	NM_001001959	rs12096473	2.54E-01	magenta	0.16945	
<i>PCDH8</i>	NM_002590	rs6974261	4.00E-03	magenta	0.52279	
<i>PLXND1</i>	NM_015103	rs10014141	1.10E-02	magenta	0.00149	
<i>PROKR2</i>	NM_144773	rs1034917	6.66E-03	magenta	0.16432	
<i>ROCK1</i>	NM_005406	rs4321183	9.42E-04	magenta	0.37546	
<i>RPE</i>	NM_199229	rs1774249	3.94E-01	magenta	0.06482	
<i>SDK1</i>	NM_152744	rs2880892	1.71E-04	magenta	0.48921	
<i>SEMA5A</i>	NM_003966	rs7780856	9.27E-04	magenta	0.74099	autism
<i>SLC6A15</i>	NM_182767	rs4243779	1.20E-02	magenta	0.49563	
<i>UNK</i>	NM_001080419	rs17148885	3.61E-02	magenta	0.07025	
<i>VPS13C</i>	NM_018080	rs2726555	1.51E-03	magenta	0.88346	
<i>YWHAZ</i>	NM_003406	rs2749065	6.47E-03	magenta	0.20205	
<i>A2BP1</i>	NM_018723	NA	NA	navy	0.02743	autsim
<i>AADACL1</i>	NM_020792	NA	NA	navy	0.25905	
<i>AASDH</i>	NM_181806	rs10489618	3.84E-02	navy	0.73572	
<i>ABCG1</i>	NM_207629	rs4624285	5.81E-03	navy	0.03877	
<i>ABL2</i>	NM_005158	rs11731185	7.56E-03	navy	0.01120	
<i>ADRA1A</i>	NM_000680	rs2992299	1.29E-03	navy	0.02459	
<i>AFF2</i>	NM_002025	NA	NA	navy	0.14012	
<i>AGL</i>	NM_000645	rs6706188	3.31E-03	navy	0.64413	
<i>ALDH4A1</i>	NM_170726	rs7897030	1.38E-02	navy	0.00940	
<i>AMY1B</i>	NM_001008218	NA	NA	navy	0.04439	
<i>ARL10</i>	NM_173664	rs1885020	4.04E-03	navy	0.12948	
<i>ARPC4</i>	NM_005718	rs3786095	1.84E-04	navy	0.03209	
<i>ARPP-21</i>	NM_016300	NA	NA	navy	0.09824	
<i>ARRDC4</i>	NM_183376	rs9516775	1.68E-02	navy	0.73709	
<i>ASAH1</i>	NM_014435	NA	NA	navy	0.01033	
<i>ATP11C</i>	NM_173694	NA	NA	navy	0.09327	
<i>ATP11C</i>	NM_173694	NA	NA	navy	0.14062	
<i>ATPBD3</i>	NM_145232	NA	NA	navy	0.21061	
<i>ATRX</i>	NM_138270	NA	NA	navy	0.20546	
<i>BACE1</i>	NM_138972	rs7071812	6.36E-02	navy	0.32128	
<i>BAG5</i>	NM_001015048	rs11164621	1.14E-02	navy	0.26073	
<i>BDH</i>	NM_203314	NA	NA	navy	0.00524	
<i>C10orf104</i>	NM_173473	NA	NA	navy	0.10388	
<i>C11orf38</i>	NM_212555	NA	NA	navy	0.23146	
<i>C3orf17</i>	NM_015412	rs6907551	2.32E-03	navy	0.03428	
<i>C6orf117</i>	NM_138409	NA	NA	navy	0.12216	
<i>CABLES1</i>	NM_138375	rs10511668	7.72E-03	navy	0.18620	
<i>CALN1</i>	NM_031468	rs1351419	4.06E-04	navy	0.84852	
<i>CAPS</i>	NM_080590	rs32566	8.67E-03	navy	0.14564	
<i>CCNDBP1</i>	NM_037370	rs17763104	6.97E-03	navy	0.30819	
<i>CD247</i>	NM_198053	rs3820390	1.03E-02	navy	0.30199	

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<i>CDA</i>	NM_001785	rs4977732	2.64E-02	navy	0.06488	
<i>CENPJ</i>	NM_018451	rs1394764	3.89E-03	navy	0.11152	
<i>CEP170</i>	NM_014812	rs3936203	2.91E-01	navy	0.03388	
<i>CGI-09</i>	NM_015939	NA	NA	navy	0.06166	
<i>COL17A1</i>	NM_000494	rs2893638	2.95E-04	navy	0.01884	
<i>CTSH</i>	NM_004390	rs8005999	3.69E-04	navy	0.10042	
<i>CUL3</i>	NM_003590	rs2802268	4.45E-02	navy	0.52038	
<i>DAAM1</i>	NM_014992	rs2570100	1.32E-03	navy	0.89912	
<i>DAZAP1</i>	NM_170711	rs1538721	1.48E-03	navy	0.00866	
<i>DCLRE1B</i>	NM_022836	rs11153450	2.03E-03	navy	0.08957	
<i>DGKE</i>	NM_003647	rs4286900	2.39E-02	navy	0.01447	
<i>DIAPH3</i>	NM_001042517	rs6850334	2.73E-05	navy	0.04227	
<i>DKFZp686l15217</i>	NM_207495	NA	NA	navy	0.70464	
<i>DLG3</i>	NM_021120	NA	NA	navy	0.13372	
<i>DMD</i>	NM_004019	NA	NA	navy	0.12297	autism
<i>DNAJA4</i>	NM_018602	rs308927	6.64E-03	navy	0.08708	
<i>DONSON</i>	NM_017613	rs2804875	9.60E-03	navy	0.19767	
<i>DRD3</i>	NM_033663	rs10787493	1.50E-02	navy	0.08116	autism
<i>EFHC2</i>	NM_025184	NA	NA	navy	0.09959	
<i>ELOVL5</i>	NM_021814	rs750456	1.37E-03	navy	0.14527	
<i>EPC2</i>	NM_015630	rs9283119	6.03E-03	navy	0.04058	
<i>ERCC1</i>	NM_202001	rs4479142	6.00E-03	navy	0.03530	
<i>FAAH</i>	NM_001441	rs2416025	7.55E-04	navy	0.19062	
<i>FGD6</i>	NM_018351	rs12429818	8.00E-03	navy	0.76284	
<i>FLJ30046</i>	NM_144595	NA	NA	navy	0.79271	
<i>FLJ39501</i>	NM_173483	NA	NA	navy	0.01587	
<i>FLJ42177</i>	NM_001001706	NA	NA	navy	0.15725	
<i>FLJ45224</i>	NM_207510	NA	NA	navy	0.03462	
<i>FLJ45645</i>	NM_198557	NA	NA	navy	0.23674	
<i>FOXF1</i>	NM_001451	rs4907105	8.62E-03	navy	0.04406	
<i>FPGS</i>	NM_004957	rs913287	1.88E-03	navy	0.00533	
<i>FRS2</i>	NM_006654	rs10878992	4.56E-03	navy	0.01716	
<i>GABARAPL2</i>	NM_007285	rs1359872	9.39E-03	navy	0.05194	
<i>GALK2</i>	NM_001001556	rs2426147	2.64E-03	navy	0.74870	
<i>GAST</i>	NM_000805	rs1884798	1.33E-02	navy	0.13841	
<i>GBP3</i>	NM_018284	rs825954	1.51E-02	navy	0.32448	
<i>GSDML</i>	NM_018530	NA	NA	navy	0.02976	
<i>HECW2</i>	NM_020760	rs1475169	9.11E-03	navy	0.41832	
<i>HK2</i>	NM_000189	rs4746136	1.80E-02	navy	0.02095	
<i>HS1BP3</i>	NM_022460	rs1554368	6.14E-03	navy	0.72615	
<i>HS6ST1</i>	NM_004807	rs9398869	1.01E-02	navy	0.15564	
<i>HSF4</i>	NM_001538	rs2371382	9.10E-02	navy	0.11106	
<i>ID2</i>	NM_002166	rs7634632	5.48E-03	navy	0.59592	
<i>IGSF1</i>	NM_205833	NA	NA	navy	0.05669	
<i>ING4</i>	NM_198287	NA	NA	navy	0.19390	
<i>ITGB4</i>	NM_001005619	rs1351419	4.06E-04	navy	0.00953	
<i>JMJD1A</i>	NM_018433	NA	NA	navy	0.26562	
<i>JPH2</i>	NM_175913	rs1393019	1.44E-02	navy	0.06059	
<i>KCNA6</i>	NM_002235	rs7956904	3.34E-03	navy	0.02027	

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<i>KIAA1370</i>	NM_019600	rs6097043	9.55E-04	navy	1.00000	
<i>LOC130576</i>	NM_177964	NA	NA	navy	0.03223	
<i>LOC196394</i>	NM_207337	NA	NA	navy	0.79097	
<i>LOC51057</i>	NM_015910	NA	NA	navy	0.36522	
<i>LOC641847</i>	XM_935587	NA	NA	navy	0.04628	
<i>LOC648148</i>	XM_937203	NA	NA	navy	0.03762	
<i>LOC649588</i>	XM_943783	NA	NA	navy	0.03070	
<i>LOC654129</i>	XM_939732	NA	NA	navy	0.07980	
<i>LONRF3</i>	NM_024778	NA	NA	navy	0.11461	
<i>LRRC15</i>	NM_130830	rs12139826	1.16E-01	navy	0.37597	
<i>LRRTM3</i>	NM_178011	rs12754452	1.14E-03	navy	0.26940	
<i>LTBP4</i>	NM_003573	rs13033787	1.09E-02	navy	0.00918	
<i>MAML2</i>	NM_032427	rs4509239	2.31E-03	navy	0.15592	
<i>MANEAL</i>	NM_152496	rs17127036	1.66E-02	navy	0.02516	
<i>MAPK11</i>	NM_138993	NA	NA	navy	0.22120	
<i>MBP</i>	NM_001025090	rs1561104	1.71E-03	navy	0.02352	
<i>MDS032</i>	NM_018467	NA	NA	navy	0.01270	
<i>MECP2</i>	NM_004992	NA	NA	navy	0.30348	autism & epilepsy
<i>MFHAS1</i>	NM_004225	rs7257704	4.56E-03	navy	0.10806	
<i>MGC20983</i>	NM_145045	NA	NA	navy	0.30640	
<i>MGC39900</i>	NM_194324	NA	NA	navy	0.13898	
<i>MGC39900</i>	XM_936687	NA	NA	navy	0.14553	
<i>MGST1</i>	NM_020300	rs12740413	3.85E-03	navy	0.01628	
<i>MIA3</i>	NM_198551	rs1454542	2.11E-01	navy	0.56175	
<i>MMP7</i>	NM_002423	rs4764926	1.89E-02	navy	0.02334	
<i>MSH5</i>	NM_025259	rs4445	5.63E-03	navy	0.28880	
<i>MT1E</i>	NM_175617	rs1461796	1.11E-03	navy	0.10095	
<i>MTRR</i>	NM_002454	rs7703033	2.63E-03	navy	0.21457	
<i>NAPE-PLD</i>	NM_198990	NA	NA	navy	0.33111	
<i>NBPF1</i>	NM_017940	rs4321183	9.42E-04	navy	0.77148	
<i>NCOA1</i>	NM_147223	rs2975186	1.78E-03	navy	0.40520	
<i>NDRG4</i>	NM_020465	rs890632	1.36E-03	navy	0.13353	
<i>NFKBIL2</i>	NM_013432	NA	NA	navy	0.18117	
<i>NOPE</i>	NM_020962	NA	NA	navy	0.91074	
<i>NOX1</i>	NM_013954	NA	NA	navy	0.10612	
<i>NRXN3</i>	NM_004796	rs10793345	1.70E-04	navy	0.04178	
<i>NUDT6</i>	NM_198041	rs2611428	4.50E-03	navy	0.03028	
<i>ORC4L</i>	NM_181742	NA	NA	navy	0.89682	
<i>OSRF</i>	NM_012382	NA	NA	navy	0.18429	
<i>PARD6A</i>	NM_016948	rs10518758	7.32E-02	navy	0.04695	
<i>PARP16</i>	NM_017851	rs4948491	2.82E-02	navy	0.07779	
<i>PCDHA12</i>	NM_018903	rs6577995	5.22E-03	navy	0.15565	
<i>PCDHA3</i>	NM_031497	rs16910093	1.87E-02	navy	0.51337	
<i>PCDHB16</i>	NM_020957	rs9874641	4.96E-02	navy	0.09875	
<i>PDIA2</i>	NM_006849	rs10967209	1.34E-02	navy	0.02436	
<i>PDLIM2</i>	NM_198042	rs7061317	7.69E-03	navy	0.01577	
<i>PFKFB2</i>	NM_001018053	rs6690037	3.06E-01	navy	0.32067	
<i>PIAS2</i>	XM_938229	NA	NA	navy	0.02604	
<i>PLA2G5</i>	NM_000929	rs11624594	8.09E-04	navy	0.04751	

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<i>POFUT2</i>	NM_015227	rs875511	5.38E-03	navy	0.65804
<i>PRKAA2</i>	NM_006252	rs6123836	5.17E-03	navy	0.03583
<i>PRKDC</i>	NM_006904	rs8092993	5.16E-03	navy	0.12354
<i>PRPF4B</i>	NM_176800	NA	NA	navy	0.14606
<i>PTBP2</i>	NM_021190	rs12640523	3.49E-04	navy	0.77067
<i>PTD004</i>	NM_013341	NA	NA	navy	0.75128
<i>PTPRE</i>	NM_130435	rs1487608	3.32E-03	navy	0.11704
<i>PTRH2</i>	NM_001015509	NA	NA	navy	0.07117
<i>PVRL1</i>	NM_203286	rs7604059	1.25E-02	navy	0.00994
<i>PWP2H</i>	NM_005049	NA	NA	navy	0.27800
<i>RAB37</i>	NM_001006638	rs4892210	1.50E-02	navy	0.12131
<i>RFFL</i>	NM_057178	rs1264581	7.52E-03	navy	0.00625
<i>RFX2</i>	NM_134433	rs6500756	1.34E-03	navy	0.72323
<i>RNASE1</i>	NM_198235	rs4128285	5.49E-03	navy	0.01804
<i>RPS29</i>	NM_001030001	rs3913665	1.83E-02	navy	0.09993
<i>RTN3</i>	NM_006054	rs2150031	6.09E-04	navy	0.89344
<i>SCAP1</i>	NM_003726	rs2838281	5.13E-04	navy	0.03905
<i>SGK3</i>	NM_170709	rs11691501	5.17E-03	navy	0.07801
<i>SH2D3C</i>	NM_005489	rs11018376	4.55E-03	navy	0.05214
<i>SKAP2</i>	NM_003930	rs2992299	1.29E-03	navy	0.08640
<i>SLC8A3</i>	NM_182936	rs17086457	8.19E-04	navy	0.00492
<i>SNAP23</i>	NM_130798	rs4711637	4.73E-03	navy	0.01946
<i>SNRPD2</i>	NM_177542	rs3914729	1.70E-03	navy	0.05032
<i>SOX1</i>	NM_005986	rs7069128	2.71E-02	navy	0.43432
<i>SOX5</i>	NM_152989	rs783454	3.97E-04	navy	0.05146
<i>SP5</i>	NM_001003845	rs17750151	7.27E-02	navy	0.46648
<i>SP8</i>	NM_182700	rs4977732	2.64E-02	navy	0.65158
<i>SPAST</i>	NM_199436	rs2124748	3.20E-05	navy	0.27927
<i>ST3GAL1</i>	NM_003033	rs7628262	1.36E-02	navy	0.05510
<i>SUV420H1</i>	NM_017635	rs7753849	4.68E-04	navy	0.20022
<i>TEKT3</i>	NM_031898	rs4721415	1.20E-02	navy	0.03433
<i>TMEM110</i>	NM_198563	rs4687554	2.45E-03	navy	0.02821
<i>TMEM117</i>	NM_032256	rs225436	3.99E-03	navy	0.03057
<i>TNRC6C</i>	NM_018996	rs10879852	1.42E-03	navy	0.29946
<i>TRAF6</i>	NM_004620	rs752775	3.98E-03	navy	0.20855
<i>TRIM5</i>	NM_033092	rs1430004	9.11E-03	navy	0.06150
<i>TSPAN18</i>	NM_130783	rs718798	1.35E-03	navy	0.04154
<i>TXNDC8</i>	NM_001003936	rs475620	2.34E-03	navy	0.03187
<i>UMPS</i>	NM_000373	rs4937154	2.49E-02	navy	0.11776
<i>UPP2</i>	NM_173355	rs11685602	4.51E-02	navy	0.01161
<i>USP16</i>	NM_001032410	rs2175835	1.03E-02	navy	0.66382
<i>VAPA</i>	NM_194434	rs1557978	1.34E-02	navy	0.80183
<i>VASP</i>	NM_003370	rs12609834	9.48E-03	navy	0.06231
<i>WDR16</i>	NM_145054	rs2654718	2.71E-03	navy	0.06792
<i>ZC3H12B</i>	NM_001010888	NA	NA	navy	0.79100
<i>ZFP36L1</i>	NM_004926	rs17425781	5.38E-03	navy	0.07523
<i>ZMYND15</i>	NM_032265	rs754814	2.75E-02	navy	0.14993
<i>ZNF19</i>	NM_006961	rs1790834	2.54E-02	navy	0.31590
<i>ZNF266</i>	NM_006631	rs7780856	9.27E-04	navy	0.32606

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<i>ZNF429</i>	NM_001001415	rs10437776	2.43E-03	navy	0.24727
<i>ZNF501</i>	NM_145044	rs7904676	8.30E-03	navy	0.20346
<i>ZNF608</i>	NM_020747	rs1011151	1.48E-03	navy	0.78651
<i>ZPLD1</i>	NM_175056	rs10861271	2.44E-03	navy	0.00370
<i>ZWILCH</i>	NM_017975	rs8052896	8.45E-03	navy	0.04017
<i>ABCC11</i>	NM_033151	rs957881	6.54E-03	orange	0.11722
<i>ADAM10</i>	NM_001110	rs2968217	2.91E-03	orange	0.11290
<i>APLP2</i>	NM_001642	rs3021211	1.18E-03	orange	0.39267
<i>ARL6IP1</i>	NM_015161	rs4721719	7.51E-03	orange	0.07616
<i>ASTL</i>	NM_001002036	rs749458	8.79E-04	orange	0.16799
<i>ATAD4</i>	NM_024320	NA	NA	orange	0.71239
<i>BCL2L14</i>	NM_138724	NA	NA	orange	0.03099
<i>BMP2K</i>	NM_017593	rs1870923	3.76E-03	orange	0.21663
<i>C11orf30</i>	NM_020193	rs7237754	2.27E-03	orange	0.42517
<i>C17orf38</i>	NM_001010855	NA	NA	orange	0.16668
<i>C17orf46</i>	NM_152343	rs42800	3.46E-02	orange	0.23522
<i>C17orf83</i>	NM_199339	NA	NA	orange	0.18117
<i>C1orf111</i>	NM_182581	rs4665145	7.11E-03	orange	0.06241
<i>C1orf92</i>	NM_144702	rs1982657	1.29E-02	orange	0.41997
<i>C7orf29</i>	NM_138434	rs2170606	2.96E-04	orange	0.12532
<i>CARD11</i>	NM_032415	rs8078781	1.59E-04	orange	0.74186
<i>CCDC63</i>	NM_152591	rs9301445	1.01E-02	orange	0.28280
<i>CCL23</i>	NM_005064	rs17647070	1.55E-02	orange	0.66145
<i>CD164</i>	NM_006016	rs1339760	3.53E-02	orange	0.21554
<i>CD86</i>	NM_175862	rs3135766	8.05E-03	orange	0.16949
<i>CEACAM1</i>	NM_001024912	rs10165893	7.51E-04	orange	0.65833
<i>CELSR1</i>	NM_014246	rs12712937	3.03E-03	orange	0.32699
<i>CENTD1</i>	NM_015230	NA	NA	orange	0.22957
<i>CHAD</i>	NM_001267	rs6761327	3.91E-02	orange	0.17258
<i>CIDEB</i>	NM_014430	rs10966105	7.85E-03	orange	0.25635
<i>COL12A1</i>	NM_080645	rs7237754	2.27E-03	orange	0.45033
<i>COP1</i>	NM_052889	NA	NA	orange	0.11194
<i>CPN2</i>	XM_942072	NA	NA	orange	0.61315
<i>CRISP2</i>	NM_003296	rs4768967	2.86E-02	orange	0.20106
<i>CTSE</i>	NM_148964	rs6748358	1.14E-01	orange	0.23080
<i>CYLC2</i>	NM_001340	rs9582985	1.81E-02	orange	0.53862
<i>DEFB123</i>	NM_153324	rs1958979	1.19E-03	orange	0.20413
<i>DPY19L2</i>	NM_173812	rs3755827	7.47E-04	orange	0.10354
<i>DSPG3</i>	NM_004950	NA	NA	orange	0.67945
<i>DUSP13</i>	NM_001007271	rs830786	4.12E-03	orange	0.16657
<i>EGFL8</i>	NM_030652	rs1531746	2.37E-02	orange	0.40247
<i>EVC2</i>	NM_147127	rs10852665	3.90E-03	orange	0.17686
<i>FBXW8</i>	NM_012174	rs7759765	3.00E-03	orange	0.61449
<i>FLJ13265</i>	NM_024877	NA	NA	orange	0.27372
<i>FLJ16231</i>	NM_001008401	NA	NA	orange	0.71823
<i>FLJ25102</i>	NM_182626	NA	NA	orange	0.49231
<i>FLJ30990</i>	NM_152517	NA	NA	orange	0.33122
<i>FLJ32447</i>	NM_153038	NA	NA	orange	0.66789
<i>FLJ41993</i>	NM_001001694	NA	NA	orange	0.22365

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<i>FMO2</i>	NM_001460	rs13215678	1.92E-02	orange	0.43189
<i>FOXH1</i>	NM_003923	rs5919734	2.02E-01	orange	0.41212
<i>FXYP1</i>	NM_021902	rs1077330	6.46E-03	orange	0.13907
<i>GAL3ST2</i>	NM_022134	rs4658413	1.11E-01	orange	0.24717
<i>GIMAP6</i>	NM_001007224	NA	NA	orange	0.16294
<i>GNB5</i>	NM_016194	rs739431	8.66E-04	orange	0.08843
<i>GP1BA</i>	NM_000173	rs1558250	5.83E-03	orange	0.75729
<i>GPR116</i>	NM_015234	rs10747531	4.62E-03	orange	0.12275
<i>GPR149</i>	XM_293580	NA	NA	orange	0.28506
<i>GPR50</i>	NM_004224	NA	NA	orange	0.31637
<i>GTDC1</i>	NM_024659	rs879740	4.60E-03	orange	0.36111
<i>HCFC1R1</i>	NM_001002018	rs7225748	6.37E-04	orange	0.42687
<i>HOXB1</i>	NM_002144	rs1979470	1.64E-02	orange	0.36491
<i>IHPK3</i>	NM_054111	NA	NA	orange	0.06034
<i>JAK2</i>	NM_004972	rs6053063	3.84E-05	orange	0.43611
<i>KCNH4</i>	NM_012285	rs12897189	1.00E-02	orange	0.08639
<i>KCNK17</i>	NM_031460	rs4237674	4.20E-03	orange	0.17645
<i>KDR</i>	NM_002253	rs159076	9.14E-04	orange	0.09877
<i>KIAA1166</i>	NM_018684	NA	NA	orange	0.16370
<i>KLF8</i>	NM_007250	NA	NA	orange	0.43413
<i>KRTAP19-6</i>	NM_181612	rs3817591	2.12E-03	orange	0.43528
<i>KRTAP9-3</i>	NM_031962	rs2247995	3.98E-02	orange	0.09406
<i>LOC146167</i>	NM_001080442	NA	NA	orange	0.10213
<i>LOC201181</i>	NM_001013624	NA	NA	orange	0.15734
<i>LOC285429</i>	NM_001029955	NA	NA	orange	0.28179
<i>LOC642201</i>	XM_936358	NA	NA	orange	0.23732
<i>LOC642316</i>	XM_925858	NA	NA	orange	0.56432
<i>LOC644997</i>	NM_001045478	NA	NA	orange	0.14132
<i>LRRN5</i>	NM_006338	NA	NA	orange	0.42955
<i>MAG</i>	NM_002361	rs7018220	1.86E-02	orange	0.07742
<i>MASK</i>	NM_016542	NA	NA	orange	0.60679
<i>MGC35295</i>	NM_152717	NA	NA	orange	0.23643
<i>MGC50372</i>	NM_173566	NA	NA	orange	0.14219
<i>MTE</i>	NM_175621	NA	NA	orange	0.46604
<i>MYOCD</i>	NM_153604	rs1111059	2.46E-04	orange	0.31624
<i>NAV2</i>	NM_182964	rs12590446	6.77E-04	orange	0.10320
<i>NCOA2</i>	NM_006540	rs1351419	4.06E-04	orange	0.39195
<i>NPL</i>	NM_030769	rs922029	1.69E-03	orange	0.07569
<i>NXPH4</i>	NM_007224	rs6763408	4.33E-03	orange	0.19772
<i>OLR1</i>	NM_002543	rs11249984	8.36E-04	orange	0.19194
<i>OR2T27</i>	NM_001001824	NA	NA	orange	0.72403
<i>OR51Q1</i>	NM_001004757	rs11260657	7.51E-03	orange	0.16659
<i>OR52B6</i>	NM_001005162	rs1386072	1.86E-03	orange	0.04123
<i>PADI1</i>	NM_013358	rs7950189	1.77E-03	orange	0.49985
<i>PARP3</i>	NM_001003935	NA	NA	orange	0.31651
<i>PCDHGB6</i>	NM_032100	rs988446	5.78E-02	orange	0.51687
<i>PGLYRP4</i>	NM_020393	rs16829215	1.75E-02	orange	0.38649
<i>PITX2</i>	NM_000325	rs12569425	2.71E-02	orange	0.23504
<i>PLCB1</i>	NM_182734	rs962731	6.93E-04	orange	0.36261

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<i>PPP2R1B</i>	NM_002716	rs12705796	1.33E-03	orange	0.45597	
<i>PRAMEF5</i>	NM_001013407	NA	NA	orange	0.73792	
<i>PRSS7</i>	NM_002772	NA	NA	orange	1.00000	
<i>PSORS1C2</i>	NM_014069	rs3130559	9.51E-03	orange	0.24050	
<i>RFT1</i>	NM_052859	rs12910429	9.21E-03	orange	0.10554	
<i>RNASE10</i>	NM_001012975	rs16823043	1.12E-02	orange	0.37154	
<i>RNF149</i>	NM_173647	rs17284928	1.60E-02	orange	0.33184	
<i>RPS6KA6</i>	NM_014496	NA	NA	orange	0.37565	
<i>RTN2</i>	NM_005619	rs1555185	7.56E-03	orange	0.42187	
<i>SERF1A</i>	NM_021967	NA	NA	orange	0.36415	
<i>SHPRH</i>	NM_173082	rs7433333	1.25E-02	orange	0.55494	
<i>SLC26A2</i>	NM_000112	rs12691814	2.13E-02	orange	0.21719	
<i>SLC2A11</i>	NM_030807	rs5970839	8.87E-03	orange	0.21243	
<i>SLC9A4</i>	NM_001011552	rs5945770	1.06E-02	orange	0.12411	
<i>SLITRK4</i>	NM_173078	NA	NA	orange	0.16917	
<i>SP6</i>	NM_199262	rs12614953	4.97E-03	orange	0.43456	
<i>SPAG11A</i>	NM_001081552	rs12210175	1.81E-03	orange	0.21142	
<i>SRPK2</i>	NM_182691	rs3866247	4.42E-03	orange	0.31990	
<i>STAG3</i>	NM_012447	rs1944191	2.63E-02	orange	0.49404	
<i>SUV39H2</i>	NM_024670	rs2191116	1.63E-02	orange	0.13845	
<i>TAB3</i>	NM_198312	NA	NA	orange	0.17380	
<i>TAS2R38</i>	NM_176817	rs2882429	6.07E-02	orange	0.37681	
<i>TCL6</i>	NM_012468	NA	NA	orange	0.55595	
<i>THADA</i>	NM_022065	rs2838281	5.13E-04	orange	0.15749	
<i>THOC2</i>	NM_020449	NA	NA	orange	0.58113	
<i>TIE1</i>	NM_005424	rs9533761	1.46E-03	orange	0.14217	
<i>TNFRSF10C</i>	NM_003841	rs4655127	4.36E-03	orange	0.01743	
<i>TRAPPC6B</i>	NM_177452	rs1319449	1.52E-03	orange	0.41671	
<i>TSPAN12</i>	NM_012338	rs4659246	7.91E-03	orange	0.29793	
<i>TTC7B</i>	NM_001010854	rs2813760	1.44E-03	orange	0.39571	
<i>USP26</i>	NM_031907	NA	NA	orange	0.51597	
<i>USP54</i>	NM_152586	rs4256646	4.24E-03	orange	0.30578	
<i>WIRE</i>	NM_133264	NA	NA	orange	0.34609	
<i>XCR1</i>	NM_001024644	rs4768153	6.56E-03	orange	0.21991	
<i>ZNF383</i>	NM_152604	rs328142	4.80E-03	orange	0.46806	
<i>ZNF460</i>	NM_006635	rs322567	2.37E-02	orange	0.05803	
<i>ZXDA</i>	NM_007156	NA	NA	orange	0.48884	
	4-Sep NM_019106	NA	NA	pink	0.89425	
<i>ABAT</i>	NM_000663	rs4959501	5.04E-03	pink	0.58907	autism
<i>ABCA4</i>	NM_000350	rs203132	1.89E-03	pink	0.10150	
<i>ABCA7</i>	NM_019112	rs748651	1.95E-02	pink	0.19885	
<i>ABCC5</i>	NM_001023587	rs12493550	6.96E-02	pink	0.77186	
<i>ABCC8</i>	NM_000352	rs7950189	1.77E-03	pink	0.14459	
<i>ABCC9</i>	NM_020297	rs6452027	7.50E-04	pink	0.65456	
<i>ABCC9</i>	NM_020298	rs6452027	7.50E-04	pink	0.41065	
<i>ABCE1</i>	NM_002940	rs471172	9.45E-02	pink	0.55677	
<i>ABHD1</i>	NM_152870	NA	NA	pink	0.24940	
<i>ABHD11</i>	NM_148916	NA	NA	pink	0.77697	
<i>ABI1</i>	NM_005470	rs9554090	6.33E-03	pink	0.10411	

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<i>ABL2</i>	NM_005158	rs11731185	7.56E-03	pink	0.36479	
<i>ABLIM2</i>	NM_032432	rs962731	6.93E-04	pink	0.48775	
<i>ACCN1</i>	NM_183377	rs2831462	8.61E-05	pink	1.00000	
<i>ACCN4</i>	NM_018674	rs4846355	1.02E-01	pink	0.07206	
<i>ACOT7</i>	NM_181866	rs2117784	5.92E-04	pink	0.03377	
<i>ACOX1</i>	NM_004035	rs7174643	9.97E-04	pink	0.08221	
<i>ACP6</i>	NM_016361	rs993701	2.57E-02	pink	0.38904	
<i>ACVR1B</i>	NM_004302	rs6097043	9.55E-04	pink	0.76818	
<i>ADAMTS10</i>	NM_030957	rs1876611	4.93E-03	pink	0.01559	
<i>ADAMTS3</i>	NM_014243	rs10879852	1.42E-03	pink	0.16294	
<i>ADAMTS6</i>	NM_197941	rs7188225	1.11E-03	pink	0.24649	
<i>ADAMTS7</i>	NM_014272	rs17105732	1.86E-03	pink	0.29740	
<i>ADCY9</i>	NM_001116	rs13338087	2.44E-03	pink	0.10754	
<i>ADD3</i>	NM_016824	rs458017	7.21E-03	pink	0.70071	
<i>ADD3</i>	NM_016824	rs458017	7.21E-03	pink	0.33871	
<i>ADD3</i>	NM_019903	rs458017	7.21E-03	pink	0.14475	
<i>ADHFE1</i>	NM_144650	rs12327356	2.22E-03	pink	0.82171	
<i>ADHFE1</i>	NM_001077593	NA	NA	pink	0.80083	
<i>ADRA1A</i>	NM_033302	rs2992299	1.29E-03	pink	0.13428	
<i>AHCTF1</i>	XM_942402	NA	NA	pink	0.17001	
<i>AHI1</i>	NM_017651	rs4579471	3.57E-03	pink	0.41230	autism
<i>AKNA</i>	NM_030767	rs2682826	5.89E-03	pink	0.40316	
<i>AKT1S1</i>	NM_032375	rs4811794	7.05E-02	pink	0.03211	
<i>ALDH1A1</i>	NM_000689	rs1374879	1.14E-02	pink	0.17167	
<i>ALDH1B1</i>	NM_000692	rs2092179	1.37E-02	pink	0.12683	
<i>ALDH4A1</i>	NM_003748	rs7897030	1.38E-02	pink	0.19634	
<i>ALDH6A1</i>	NM_005589	rs7614618	1.17E-02	pink	0.23216	
<i>ALG8</i>	NM_001007027	rs6767250	1.53E-02	pink	0.82655	
<i>ALPK1</i>	NM_025144	rs11259844	3.54E-04	pink	0.11164	
<i>ALS2CR15</i>	NM_138468	rs934287	4.39E-02	pink	0.82284	
<i>ALS2CR16</i>	NM_205543	NA	NA	pink	0.60299	
<i>AMMECR1</i>	NM_015365	NA	NA	pink	0.22891	
<i>AMT</i>	NM_000481	rs10484961	2.42E-03	pink	0.27190	
<i>ANAPC1</i>	NM_022662	rs7124625	1.00E-02	pink	0.35579	
<i>ANGEL1</i>	NM_015305	rs308927	6.64E-03	pink	0.37227	
<i>ANK1</i>	NM_020480	rs16871561	1.30E-03	pink	0.30267	
<i>ANKFN1</i>	NM_153228	rs1028145	8.24E-05	pink	0.08484	
<i>ANKRD15</i>	NM_153186	NA	NA	pink	0.41806	
<i>ANKRD16</i>	NM_019046	rs10775385	4.14E-03	pink	0.22706	
<i>ANKRD32</i>	NM_032290	rs11107875	1.71E-02	pink	0.09748	
<i>ANKRD41</i>	NM_152363	NA	NA	pink	0.13534	
<i>ANKRD6</i>	NM_014942	rs2813760	1.44E-03	pink	0.83041	
<i>ANTXR1</i>	NM_053034	rs11814376	4.27E-04	pink	0.38249	
<i>ANXA2P1</i>	NR_001562	rs9288286	4.68E-03	pink	0.32456	
<i>AOX1</i>	NM_001159	rs2465661	4.35E-02	pink	0.13037	
<i>AP2A2</i>	NM_012305	rs4816153	1.13E-02	pink	0.60694	
<i>APOL2</i>	NM_145637	rs763086	3.82E-02	pink	0.11246	
<i>APPBP1</i>	NM_001018159	NA	NA	pink	0.01864	
<i>AQP1</i>	NM_198098	rs1702403	7.29E-03	pink	0.54806	

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<i>AQP4</i>	NM_001650	rs10485011	1.02E-02	pink	0.75737	
<i>ARFGEF2</i>	NM_006420	rs2258342	5.25E-03	pink	0.33352	
<i>ARHGAP10</i>	NM_024605	rs1478366	1.51E-03	pink	0.27348	
<i>ARHGAP11A</i>	NM_014783	rs1002149	8.57E-03	pink	0.26994	
<i>ARHGEF4</i>	NM_032995	rs12270361	6.82E-03	pink	0.24088	
<i>ARMC4</i>	NM_018076	rs2614048	1.98E-03	pink	0.03822	
<i>ARPM1</i>	NM_032487	rs6736609	2.85E-02	pink	0.02009	
<i>ARSI</i>	NM_001012301	rs2170606	2.96E-04	pink	0.35559	
<i>ASAM</i>	NM_024769	rs13272291	1.40E-02	pink	0.45683	
<i>ASB6</i>	NM_177999	rs3780695	1.95E-02	pink	0.17197	
<i>ASGR1</i>	NM_001671	rs7857570	5.91E-03	pink	0.43284	
<i>ASH1L</i>	NM_018489	rs10011174	3.13E-03	pink	0.04775	
<i>ASPH</i>	NM_020164	rs1467422	6.27E-04	pink	0.21377	
<i>ASRGL1</i>	NM_025080	rs17828306	1.22E-03	pink	0.42250	
<i>ASS</i>	NM_000050	rs1605327	2.31E-02	pink	0.40001	autism
<i>ASTN</i>	NM_207108	NA	NA	pink	0.19909	
<i>ASTN2</i>	NM_198187	rs3802881	9.06E-03	pink	0.66289	autism
<i>ATP13A2</i>	NM_022089	rs2285274	7.55E-04	pink	0.58324	
<i>ATP1B1</i>	NM_001001787	NA	NA	pink	0.46441	
<i>ATP2B1</i>	NM_001001323	rs6759954	5.34E-03	pink	0.26926	
<i>ATP2B2</i>	NM_001683	rs10946418	2.38E-03	pink	0.40926	
<i>AXIIR</i>	NM_001014279	NA	NA	pink	0.53417	
<i>B3GALT2</i>	NM_003783	rs2355575	1.19E-01	pink	0.09828	
<i>B3GTL</i>	NM_194318	NA	NA	pink	0.65319	
<i>BACE2</i>	NM_012105	rs12584909	3.64E-04	pink	0.63086	
<i>BACE2</i>	NM_138991	rs12584909	3.64E-04	pink	0.54786	
<i>BAX</i>	NM_004324	rs12606138	6.48E-04	pink	0.15431	
<i>BBS9</i>	NM_198428	rs10954906	1.42E-03	pink	0.03434	
<i>BCAS3</i>	NM_017679	rs860324	8.88E-04	pink	0.13381	
<i>BDNF</i>	NM_001709	rs7171078	2.53E-02	pink	0.28961	
<i>BDNF</i>	NM_170733	rs7171078	2.53E-02	pink	0.08377	
<i>BIRC5</i>	NM_001012271	rs2407044	2.45E-02	pink	0.76215	
<i>BMF</i>	NM_001003943	rs12194275	3.66E-03	pink	0.09304	
<i>BMP6</i>	NM_001718	rs12210175	1.81E-03	pink	0.27662	
<i>BNIP3L</i>	NM_004331	rs16930371	8.98E-03	pink	0.20538	
<i>BOLA2</i>	NM_001031827	NA	NA	pink	0.80058	
<i>BOLA2</i>	NM_001031827	NA	NA	pink	0.13731	
<i>BRCA1</i>	NM_007301	NA	NA	pink	0.41408	
<i>BRCA1</i>	NM_007304	NA	NA	pink	0.42898	
<i>BRMS1</i>	NM_015399	rs4883777	4.45E-02	pink	0.41049	
<i>BRRN1</i>	NM_015341	NA	NA	pink	0.03103	
<i>BRSK1</i>	NM_032430	rs13064050	5.02E-03	pink	0.87160	
<i>BTBD7</i>	NM_018167	rs2147155	1.17E-02	pink	0.36371	
<i>BTN3A2</i>	NM_007047	rs7337170	1.54E-03	pink	0.50074	
<i>BTN3A3</i>	NM_197974	rs12031946	6.41E-04	pink	0.95309	
<i>BUB1</i>	NM_004336	rs12705796	1.33E-03	pink	0.77826	
<i>C10orf119</i>	NM_024834	rs2809898	5.07E-03	pink	0.39239	
<i>C10orf85</i>	NM_001012711	NA	NA	pink	0.42771	
<i>C10orf93</i>	XM_945168	NA	NA	pink	0.41953	

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<i>C14orf121</i>	NM_138360	NA	NA	pink	0.19489	
<i>C14orf28</i>	NM_001017923	rs11082688	1.18E-02	pink	0.50843	
<i>C14orf58</i>	NM_017791	NA	NA	pink	0.35355	
<i>C14orf80</i>	NM_173608	NA	NA	pink	0.77023	
<i>C17orf28</i>	NM_030630	rs1544442	1.08E-03	pink	0.41549	
<i>C17orf75</i>	NM_022344	rs12555932	1.89E-02	pink	0.53447	
<i>C17orf81</i>	NM_203414	rs4689064	7.01E-03	pink	0.05377	
<i>C18orf54</i>	NM_173529	rs6504930	6.94E-03	pink	0.23297	
<i>C19orf18</i>	NM_152474	rs2780882	1.85E-02	pink	0.31206	
<i>C19orf28</i>	NM_174983	rs7883545	2.53E-04	pink	0.64210	
<i>C19orf36</i>	NM_001031735	NA	NA	pink	0.45352	
<i>C1orf107</i>	NM_014388	rs981901	1.47E-01	pink	0.53750	
<i>C1orf110</i>	NM_178550	rs9872563	3.52E-03	pink	0.31865	
<i>C1orf159</i>	NM_017891	rs789029	4.51E-03	pink	0.31219	
<i>C1orf162</i>	NM_174896	rs458017	7.21E-03	pink	0.14706	
<i>C1orf33</i>	NM_016183	NA	NA	pink	0.85913	
<i>C1orf53</i>	NM_001024594	rs10200021	1.34E-01	pink	0.30544	
<i>C1orf96</i>	NM_145257	rs237807	2.36E-02	pink	0.48802	
<i>C20orf172</i>	NM_024918	NA	NA	pink	0.73127	
<i>C20orf26</i>	NM_015585	rs675465	4.63E-04	pink	0.65722	
<i>C20orf67</i>	NM_022104	NA	NA	pink	0.13952	
<i>C21orf2</i>	NM_004928	rs6932104	1.35E-02	pink	0.65677	
<i>C21orf58</i>	NM_199071	NA	NA	pink	0.36199	
<i>C21orf70</i>	NM_058190	rs2102797	3.40E-03	pink	0.65970	
<i>C3orf52</i>	NM_024616	rs11195623	1.06E-03	pink	0.32744	
<i>C6orf111</i>	NM_032870	NA	NA	pink	0.28719	
<i>C6orf134</i>	NM_001031722	NA	NA	pink	0.13261	
<i>C6orf167</i>	NM_198468	NA	NA	pink	0.30244	
<i>C6orf173</i>	NM_001012507	NA	NA	pink	0.74065	
<i>C6orf66</i>	NM_014165	NA	NA	pink	0.19494	
<i>C8orf44</i>	NM_019607	rs1541864	1.79E-03	pink	0.28777	
<i>C8ORFK32</i>	NM_015912	NA	NA	pink	0.30351	
<i>C9orf100</i>	NM_001031728	NA	NA	pink	0.03595	
<i>C9orf103</i>	NM_001001551	rs195045	8.54E-03	pink	0.32394	
<i>C9orf111</i>	NM_152286	NA	NA	pink	0.35109	
<i>C9orf18</i>	NM_198469	NA	NA	pink	0.46464	
<i>C9orf23</i>	NM_148178	rs13356779	8.15E-04	pink	0.12305	
<i>C9orf61</i>	NM_004816	NA	NA	pink	0.48343	
<i>C9orf72</i>	NM_145005	rs10501086	2.08E-02	pink	0.55950	
<i>CA10</i>	NM_020178	rs4794301	9.80E-04	pink	0.02687	
<i>CAB39L</i>	NM_001031724	NA	NA	pink	0.04475	
<i>CACNA1E</i>	NM_000721	rs1477779	1.16E-03	pink	0.49482	
<i>CACNA2D2</i>	NM_001005505	rs913465	3.20E-03	pink	0.05688	epilepsy
<i>CACNG6</i>	NM_031897	rs282716	4.73E-03	pink	0.14161	
<i>CAD</i>	NM_004341	rs1555453	3.00E-03	pink	0.08407	
<i>CADPS</i>	NM_183394	rs7084300	1.44E-04	pink	0.27942	
<i>CALU</i>	NM_001219	rs6951397	1.30E-03	pink	0.80588	
<i>CAMK1D</i>	NM_020397	rs10511576	6.01E-05	pink	0.08282	
<i>CAMK1G</i>	NM_020439	rs716630	2.16E-02	pink	0.24996	

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<i>CAMK2D</i>	NM_001221	rs987694	1.13E-03	pink	0.53236	
<i>CAPN3</i>	NM_000070	rs6072705	3.47E-03	pink	0.05234	
<i>CARS</i>	NM_001751	rs7225748	6.37E-04	pink	0.18016	
<i>CASC4</i>	NM_138423	rs328170	4.79E-03	pink	0.17647	autism
<i>CASC5</i>	NM_170589	rs1319449	1.52E-03	pink	0.36268	
<i>CASP3</i>	NM_004346	rs11683056	5.15E-02	pink	0.37575	
<i>CASZ1</i>	NM_001079843	rs17152650	7.81E-04	pink	0.50757	
<i>CBLN2</i>	NM_182511	rs10957384	1.79E-03	pink	0.62220	
<i>CBR3</i>	NM_001236	rs10836560	1.56E-02	pink	0.94713	
<i>CBX4</i>	NM_003655	rs16938888	1.30E-02	pink	0.58444	
<i>CBX7</i>	NM_175709	rs744713	6.45E-03	pink	0.88827	
<i>CCDC46</i>	NM_145036	rs6011530	1.02E-03	pink	0.18645	
<i>CCPG1</i>	NM_020739	rs17832328	4.52E-03	pink	0.73388	
<i>CD1D</i>	NM_001766	rs2969123	1.80E-03	pink	0.05143	
<i>CD276</i>	NM_001024736	rs3015906	8.88E-03	pink	0.68329	
<i>CD3EAP</i>	NM_012099	rs4479142	6.00E-03	pink	0.08210	
<i>CD5</i>	NM_014207	rs7071102	6.66E-03	pink	0.22513	
<i>CD59</i>	NM_203331	rs8093306	4.11E-03	pink	0.06566	
<i>CD83</i>	NM_004233	rs4316797	4.18E-03	pink	0.90807	
<i>CD97</i>	NM_001784	rs13081924	1.52E-02	pink	0.07670	
<i>CDADC1</i>	NM_030911	rs8088528	7.71E-03	pink	0.06289	
<i>CDC42EP2</i>	NM_006779	rs10132229	9.16E-03	pink	0.20306	
<i>CDCA3</i>	NM_031299	rs905965	5.90E-03	pink	0.72449	
<i>CDCA4</i>	NM_145701	rs3924892	1.64E-02	pink	0.22070	
<i>CDCP1</i>	NM_022842	rs2868858	4.68E-03	pink	0.12567	
<i>CDH3</i>	NM_001793	rs4542295	5.39E-03	pink	0.28106	
<i>CDK5R1</i>	NM_003885	rs9647128	1.12E-02	pink	0.61212	
<i>CDKL2</i>	NM_003948	rs1176811	1.63E-03	pink	0.60835	
<i>CDO1</i>	NM_001801	rs12408865	2.31E-02	pink	0.82336	
<i>CDON</i>	NM_016952	rs5930945	8.82E-04	pink	0.13176	
<i>CDS1</i>	NM_001263	rs7841984	8.94E-03	pink	0.49961	
<i>CECR1</i>	NM_017424	rs1378164	2.40E-02	pink	0.14895	
<i>CELSR3</i>	NM_001407	rs752870	3.68E-02	pink	0.57584	
<i>CENPO</i>	NM_024322	rs10248878	6.66E-03	pink	0.59467	
<i>CEP152</i>	NM_014985	rs1077216	1.10E-03	pink	0.19817	
<i>CEP170</i>	NM_001042404	rs3936203	2.91E-01	pink	0.23977	
<i>CEP72</i>	NM_018140	rs12222447	3.62E-03	pink	0.28333	
<i>CES1</i>	NM_001025195	rs17117895	8.40E-04	pink	0.15878	
<i>CFB</i>	NM_001710	rs10059023	1.81E-03	pink	0.71101	
<i>CG018</i>	NM_001079691	NA	NA	pink	0.32240	
<i>CG018</i>	NM_052818	NA	NA	pink	0.51702	
<i>CGI-38</i>	NM_015964	NA	NA	pink	0.85473	
<i>CGREF1</i>	NM_006569	rs467691	8.77E-03	pink	0.06322	
<i>CHAC2</i>	NM_001008708	rs4624872	4.96E-02	pink	0.34620	
<i>CHAF1A</i>	NM_005483	rs11252477	1.10E-02	pink	0.66261	
<i>CHAF1B</i>	NM_005441	rs1538634	1.01E-02	pink	0.78771	
<i>CHCHD7</i>	NM_001011670	rs10783915	5.19E-04	pink	0.28904	
<i>CHCHD8</i>	NM_016565	rs11220	7.35E-03	pink	0.45415	
<i>CHD1</i>	NM_001270	rs4905752	8.91E-04	pink	0.40921	

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<i>CHD5</i>	NM_015557	rs6500756	1.34E-03	pink	0.53951	
<i>CHRM1</i>	NM_000738	rs6858066	7.16E-03	pink	0.20012	
<i>CHRNA1</i>	NM_000079	rs1028304	7.65E-02	pink	0.72412	
<i>CHST2</i>	NM_004267	rs1476736	4.14E-02	pink	0.07989	
<i>CHTF18</i>	NM_022092	rs571870	3.70E-02	pink	0.23464	
<i>CKS1B</i>	NM_001826	rs2239466	2.27E-03	pink	0.55350	
<i>CKS2</i>	NM_001827	rs11137559	4.74E-05	pink	0.36331	
<i>CLASP2</i>	NM_015097	rs729424	3.22E-03	pink	0.81149	
<i>CLDN3</i>	NM_001306	rs1561104	1.71E-03	pink	0.12186	
<i>CLGN</i>	NM_004362	rs2961693	9.90E-03	pink	0.21798	
<i>CLN6</i>	NM_017882	rs7767963	1.88E-03	pink	0.12858	
<i>CLSTN3</i>	NM_014718	rs4689606	1.68E-04	pink	0.19571	
<i>CMTM4</i>	NM_178818	rs1471504	4.02E-03	pink	0.08363	
<i>CNFN</i>	NM_032488	rs1410117	3.98E-03	pink	0.15361	
<i>CNGA3</i>	NM_001298	rs12789711	7.81E-03	pink	0.08767	
<i>CNTFR</i>	NM_001842	rs558317	2.00E-04	pink	0.21190	
<i>CNTN2</i>	NM_005076	rs9787334	5.66E-02	pink	0.65542	
<i>COL11A1</i>	NM_080629	rs7543626	3.26E-04	pink	0.73109	
<i>COL11A2</i>	NM_080681	rs4427132	6.01E-03	pink	0.03726	
<i>COL8A1</i>	NM_001850	rs17611664	2.65E-03	pink	0.61207	
<i>COL8A1</i>	NM_020351	rs17611664	2.65E-03	pink	0.59043	
<i>COL9A1</i>	NM_001851	rs212165	2.00E-03	pink	0.65680	
<i>COLQ</i>	NM_080539	rs11203713	2.98E-04	pink	0.57964	
<i>COTL1</i>	NM_021149	rs4662179	9.26E-03	pink	0.68973	
<i>CRKRS</i>	NM_016507	NA	NA	pink	0.15301	
<i>CRLF3</i>	NM_015986	rs7721783	9.63E-03	pink	0.36218	
<i>CROP</i>	NM_016424	NA	NA	pink	0.20291	
<i>CTHRC1</i>	NM_138455	rs9300981	1.36E-02	pink	0.05881	
<i>CTPS2</i>	NM_019857	NA	NA	pink	0.07579	
<i>CTSC</i>	NM_148170	rs645063	4.75E-03	pink	0.05445	
<i>CTSK</i>	NM_000396	rs1478366	1.51E-03	pink	0.36659	
<i>CTSO</i>	NM_001334	rs9307938	3.87E-06	pink	0.47441	
<i>CUTL2</i>	NM_015267	NA	NA	pink	0.16509	
<i>CYP2E1</i>	NM_000773	rs10164986	2.31E-02	pink	0.15952	
<i>CYP2U1</i>	NM_183075	rs10499980	1.67E-02	pink	0.56463	
<i>CYYR1</i>	NM_052954	rs2830244	1.41E-03	pink	0.39909	
<i>D15Wsu75e</i>	NM_015704	NA	NA	pink	0.68105	
<i>DAB2IP</i>	NM_032552	rs4296799	3.73E-03	pink	0.14694	
<i>DCDC2</i>	NM_016356	rs9553499	2.13E-03	pink	0.59861	
<i>DDX11</i>	NM_030653	rs221981	5.47E-03	pink	0.61265	autism
<i>DDX20</i>	NM_007204	rs197414	7.12E-03	pink	0.09177	
<i>DEK</i>	NM_003472	rs7788359	5.73E-03	pink	0.18195	
<i>DENND1A</i>	NM_024820	rs314946	7.77E-05	pink	0.81300	
<i>DEPDC1B</i>	NM_018369	rs2726555	1.51E-03	pink	0.44156	
<i>DEPDC4</i>	NM_152317	rs1441383	3.46E-03	pink	0.03718	
<i>DERL3</i>	NM_001002862	rs11886927	4.97E-02	pink	0.03822	
<i>DFNB31</i>	NM_015404	rs6908592	2.62E-03	pink	0.60576	
<i>DGCR13</i>	NM_001024733	NA	NA	pink	0.77126	
<i>DGKA</i>	NM_201554	rs11003452	1.17E-02	pink	0.07001	

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<i>DGKB</i>	NM_004080	rs727668	1.24E-03	pink	0.83832	
<i>DGKD</i>	NM_152879	rs838709	1.46E-02	pink	0.21104	
<i>DGKI</i>	NM_004717	rs1571332	1.28E-03	pink	0.43269	
<i>DHODH</i>	NM_001361	rs2919744	1.14E-02	pink	0.62254	
<i>DHODH</i>	NM_001025193	NA	NA	pink	0.30176	
<i>DHRS10</i>	NM_016246	NA	NA	pink	0.03719	
<i>DIP2A</i>	NM_206889	rs17118127	4.87E-03	pink	0.07064	
<i>DIP2A</i>	NM_206890	rs17118127	4.87E-03	pink	0.54109	
<i>DIPA</i>	NM_006848	NA	NA	pink	0.20894	
<i>DIRAS2</i>	NM_017594	rs16918472	6.91E-03	pink	0.79738	
<i>DMN</i>	NM_145728	NA	NA	pink	0.25362	
<i>DMXL2</i>	NM_015263	rs7755833	2.55E-04	pink	0.21072	
<i>DNA2L</i>	XM_938629	NA	NA	pink	0.44303	
<i>DNAH7</i>	NM_018897	rs12136149	6.38E-03	pink	0.32831	
<i>DNAI1</i>	NM_012144	rs11156868	2.26E-03	pink	0.19103	
<i>DNER</i>	NM_139072	rs7551537	1.12E-03	pink	0.98859	
<i>DNM1</i>	NM_004408	rs9853945	1.21E-03	pink	0.06962	
<i>DNM1L</i>	NM_005690	rs1958023	1.42E-03	pink	0.14340	
<i>DNMT3B</i>	NM_006892	rs12915554	1.15E-03	pink	0.21128	
<i>DOCK3</i>	NM_004947	rs17504439	7.67E-04	pink	0.15147	
<i>DOCK5</i>	NM_024940	rs859202	5.28E-04	pink	0.52268	
<i>DPH2</i>	NM_001384	rs7326252	1.49E-04	pink	0.28470	
<i>DPH2</i>	NM_001384	rs7326252	1.49E-04	pink	0.28647	
<i>DPP10</i>	NM_001004360	rs2254527	4.43E-04	pink	0.25821	autism
<i>DRD4</i>	NM_000797	rs13381806	8.14E-03	pink	0.36013	
<i>DYRK3</i>	NM_003582	rs13390018	1.40E-01	pink	0.20356	
<i>E2F8</i>	NM_024680	rs1193329	2.36E-03	pink	0.47552	
<i>ECD</i>	NM_007265	rs7087762	8.13E-03	pink	0.64210	
<i>ECE2</i>	NM_014693	rs17139	9.80E-03	pink	0.05802	
<i>EDG4</i>	NM_004720	NA	NA	pink	0.48603	
<i>EFS</i>	NM_005864	rs940013	3.25E-03	pink	0.51162	
<i>EGF</i>	NM_001963	rs12705796	1.33E-03	pink	0.16057	
<i>EIF2C4</i>	NM_017629	rs17203014	2.17E-04	pink	0.28532	
<i>EIF4G1</i>	NM_004953	rs11733679	3.32E-02	pink	0.41692	
<i>ELF2</i>	NM_201999	rs6577995	5.22E-03	pink	0.61105	
<i>ELF3</i>	NM_004433	rs10737576	7.13E-02	pink	0.15720	
<i>ELOVL1</i>	NM_022821	rs2838281	5.13E-04	pink	0.68754	
<i>ENAH</i>	NM_018212	rs2203733	2.03E-02	pink	0.14428	
<i>ENPP3</i>	NM_005021	rs1478091	1.06E-03	pink	0.35283	
<i>ENPP4</i>	NM_014936	rs7926726	4.26E-04	pink	0.19589	
<i>ENTPD7</i>	NM_020354	rs10069803	8.62E-03	pink	0.27904	
<i>EPC1</i>	NM_025209	rs10136259	5.97E-05	pink	0.30551	
<i>EPHA3</i>	NM_005233	rs10801723	4.06E-03	pink	0.37826	
<i>EPHA3</i>	NM_182644	rs6551408	8.14E-03	pink	0.20341	
<i>EPHA4</i>	NM_004438	rs751128	1.38E-02	pink	0.50584	
<i>EPHB4</i>	NM_004444	rs4851274	5.44E-03	pink	0.65818	
<i>EPHX2</i>	NM_001979	rs10506018	4.81E-03	pink	0.60731	
<i>EPR1</i>	NR_002219	rs11159071	1.02E-02	pink	0.66933	
<i>EPS8L1</i>	NM_133180	rs1353546	1.02E-02	pink	0.04140	

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<i>ESPL1</i>	NM_012291	rs1321507	7.52E-04	pink	0.32084
<i>ESRRG</i>	NM_206595	rs2576262	1.76E-03	pink	0.04937
<i>ETNK1</i>	NM_001039481	rs337475	3.36E-04	pink	0.40601
<i>ETNK1</i>	NM_001039481	rs337475	3.36E-04	pink	0.36146
<i>ETNK1</i>	NM_018638	rs337475	3.36E-04	pink	0.27185
<i>ETS1</i>	NM_005238	rs6917351	1.89E-03	pink	0.07118
<i>EXOSC9</i>	NM_001034194	rs10846569	2.39E-02	pink	0.74540
<i>EXTL1</i>	NM_004455	rs198845	1.85E-03	pink	0.21606
<i>EXTL3</i>	NM_001440	rs1996041	1.61E-02	pink	0.27859
<i>FABP3</i>	NM_004102	rs2596220	1.08E-02	pink	0.04954
<i>FAIM</i>	NM_018147	rs10106218	1.82E-03	pink	0.12954
<i>FALZ</i>	NM_004459	NA	NA	pink	0.16281
<i>FAM101B</i>	NM_182705	rs11991825	7.61E-03	pink	0.23766
<i>FAM111B</i>	NM_198947	rs946908	5.28E-03	pink	0.08750
<i>FAM122B</i>	NM_145284	NA	NA	pink	0.21135
<i>FAM40B</i>	NM_020704	rs12417154	5.85E-03	pink	0.09343
<i>FAM7A2</i>	NM_001039841	NA	NA	pink	0.45583
<i>FAM80A</i>	NM_173642	NA	NA	pink	0.20336
<i>FAM80B</i>	NM_020734	NA	NA	pink	0.47205
<i>FAM84A</i>	NM_145175	rs9821143	9.37E-03	pink	0.42488
<i>FANCA</i>	NM_001018112	rs2970358	8.34E-03	pink	0.14128
<i>FANCA</i>	NM_001018112	rs2970358	8.34E-03	pink	0.46482
<i>FAT</i>	NM_005245	NA	NA	pink	0.32467
<i>FBLIM1</i>	NM_001024215	rs8050881	2.84E-02	pink	0.81623
<i>FBLN2</i>	NM_001004019	rs2630453	2.38E-03	pink	0.34752
<i>FBLN5</i>	NM_006329	rs2013116	6.88E-03	pink	0.77002
<i>FBXL6</i>	NM_024555	rs979000	2.36E-02	pink	0.29032
<i>FBXO17</i>	NM_024907	rs9462957	6.28E-03	pink	0.01243
<i>FBXO17</i>	NM_024907	rs9462957	6.28E-03	pink	0.50982
<i>FBXO9</i>	NM_033480	rs2255107	8.63E-03	pink	0.13386
<i>FDXR</i>	NM_024417	rs1494797	3.86E-03	pink	0.06935
<i>FGD5</i>	NM_152536	rs5980083	1.19E-03	pink	0.41275
<i>FGF13</i>	NM_004114	NA	NA	pink	0.26170
<i>FGFR2</i>	NM_022971	NA	NA	pink	0.30752
<i>FIBP</i>	NM_198897	rs1367337	1.08E-01	pink	0.75039
<i>FKBPL</i>	NM_022110	rs1015362	1.48E-02	pink	0.13844
<i>FLCN</i>	NM_144997	rs2904670	6.38E-03	pink	0.38169
<i>FLJ10260</i>	NM_018042	NA	NA	pink	0.51689
<i>FLJ11151</i>	NM_018340	NA	NA	pink	0.02536
<i>FLJ11155</i>	NM_018342	NA	NA	pink	0.50348
<i>FLJ11184</i>	NM_018352	NA	NA	pink	0.02462
<i>FLJ11286</i>	NM_018381	NA	NA	pink	0.32755
<i>FLJ13909</i>	NM_025108	NA	NA	pink	0.88273
<i>FLJ14166</i>	NM_024565	NA	NA	pink	0.58490
<i>FLJ20105</i>	NM_017669	NA	NA	pink	0.11893
<i>FLJ20433</i>	NM_017820	NA	NA	pink	0.67567
<i>FLJ20718</i>	NM_182922	NA	NA	pink	0.44543
<i>FLJ20920</i>	NM_025149	NA	NA	pink	0.12608
<i>FLJ21106</i>	NM_025097	NA	NA	pink	0.43561

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<i>FLJ21839</i>	NM_021831	NA	NA	pink	0.34805	
<i>FLJ21865</i>	NM_022759	NA	NA	pink	0.35699	
<i>FLJ22624</i>	NM_024808	NA	NA	pink	0.70458	
<i>FLJ23191</i>	NM_024574	NA	NA	pink	0.19592	
<i>FLJ23834</i>	NM_152750	NA	NA	pink	0.47643	
<i>FLJ25067</i>	NM_152504	NA	NA	pink	0.22276	
<i>FLJ31659</i>	NM_153027	NA	NA	pink	0.89791	
<i>FLJ35119</i>	NM_175871	NA	NA	pink	0.24624	
<i>FLJ39599</i>	NM_173803	NA	NA	pink	0.04167	
<i>FLJ45909</i>	NM_198445	NA	NA	pink	0.06411	
<i>FLJ46082</i>	NM_207417	NA	NA	pink	0.41584	
<i>FLNA</i>	NM_001456	NA	NA	pink	0.24211	epilepsy
<i>FMN2</i>	NM_020066	rs12996794	4.25E-03	pink	0.61646	
<i>FMNL3</i>	NM_198900	rs7405268	1.54E-02	pink	0.65530	
<i>FOLR1</i>	NM_016725	rs1043149	4.19E-02	pink	0.24283	
<i>FO XO3A</i>	NM_001455	NA	NA	pink	0.51137	
<i>FSCN2</i>	NM_012418	rs10152417	1.53E-02	pink	0.26392	
<i>FSD1CL</i>	NM_207647	NA	NA	pink	0.10550	
<i>G3BP1</i>	NM_005754	rs4725434	9.55E-04	pink	0.08991	
<i>GABBR1</i>	NM_021905	NA	NA	pink	0.16764	epilepsy
<i>GADD45GIP1</i>	NM_052850	rs10960847	6.66E-03	pink	0.04281	
<i>GALNT10</i>	NM_017540	NA	NA	pink	0.06883	
<i>GALR1</i>	NM_001480	rs12943089	6.21E-03	pink	0.13366	
<i>GAS6</i>	NM_000820	rs4608128	3.36E-03	pink	0.63396	
<i>GCG</i>	NM_002054	rs10494417	2.09E-02	pink	0.10036	
<i>GCK</i>	NM_033508	rs6032661	1.04E-02	pink	0.03238	
<i>GCLM</i>	NM_002061	rs279968	1.04E-02	pink	0.27383	
<i>GEMIN6</i>	NM_024775	rs1393109	1.17E-03	pink	0.90420	
<i>GFM2</i>	NM_170681	rs555779	3.13E-03	pink	0.10736	
<i>GGN</i>	NM_152657	rs717091	2.07E-03	pink	0.11441	
<i>GK</i>	NM_203391	NA	NA	pink	0.13337	
<i>GLOXD1</i>	NM_032756	NA	NA	pink	0.14566	
<i>GLRX2</i>	NM_016066	rs2575819	6.60E-02	pink	0.26518	
<i>GLRX2</i>	NM_197962	rs2575819	6.60E-02	pink	0.52323	
<i>GLT8D2</i>	NM_031302	rs17035144	9.06E-04	pink	0.79567	
<i>GLUL</i>	NM_001033056	rs767002	7.90E-02	pink	0.76197	
<i>GLYATL2</i>	NM_145016	rs7142565	7.92E-03	pink	0.05110	
<i>GM2A</i>	NM_000405	rs3810715	2.04E-02	pink	0.72520	
<i>GMNN</i>	NM_015895	rs10248878	6.66E-03	pink	0.69506	
<i>GNAS</i>	NM_016592	rs2968217	2.91E-03	pink	0.30097	
<i>GNG11</i>	NM_004126	rs213669	6.86E-02	pink	0.95052	
<i>GNL3</i>	NM_206825	rs37787	7.65E-03	pink	0.56895	
<i>GNPNAT1</i>	NM_198066	rs6974261	4.00E-03	pink	0.06124	
<i>GNPTG</i>	NM_032520	rs1538721	1.48E-03	pink	0.78580	
<i>GOLGA8B</i>	NM_001023567	rs626326	2.24E-02	pink	0.08525	
<i>GPATC2</i>	NM_018040	NA	NA	pink	0.31683	
<i>GPC5</i>	NM_004466	rs11137559	4.74E-05	pink	0.21105	
<i>GPD1</i>	NM_005276	rs1555672	4.12E-03	pink	0.17059	
<i>GPR162</i>	NM_019858	rs10401027	3.77E-04	pink	0.51670	

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<i>GPR75</i>	NM_006794	rs483540	2.33E-02	pink	0.54154	
<i>GPR83</i>	NM_016540	rs9297912	5.75E-02	pink	0.22363	
<i>GPR98</i>	NR_003149	rs490812	1.44E-05	pink	0.03541	
<i>GRB10</i>	NM_001001555	rs6097043	9.55E-04	pink	0.19240	
<i>GRIA3</i>	NM_181894	NA	NA	pink	0.35852	
<i>GRIP1</i>	NM_021150	rs1471504	4.02E-03	pink	0.39708	
<i>GRP</i>	NM_001012513	rs2270003	1.44E-02	pink	0.02249	
<i>GSDMDC1</i>	NM_024736	NA	NA	pink	0.46371	
<i>GTPBP2</i>	NM_019096	rs766117	8.23E-03	pink	0.12776	
<i>GUCA1B</i>	NM_002098	rs441328	1.04E-02	pink	0.36586	
<i>H2BFS</i>	NM_017445	NA	NA	pink	0.63325	
<i>hCAP-D3</i>	NM_015261	NA	NA	pink	0.34228	
<i>HDC</i>	NM_002112	rs7405268	1.54E-02	pink	0.03742	
<i>HECA</i>	NM_016217	rs298461	4.21E-04	pink	0.15420	
<i>HEPACAM</i>	NM_152722	rs2717233	1.79E-02	pink	0.55082	
<i>HERC5</i>	NM_016323	rs1286899	6.26E-03	pink	0.86170	
<i>HGF</i>	NM_001010931	rs562770	2.43E-02	pink	0.18850	
<i>HIF1A</i>	NM_001530	rs198432	7.23E-03	pink	0.50620	
<i>HIST1H2AE</i>	NM_021052	rs768039	1.08E-02	pink	0.03514	
<i>HIST1H2BD</i>	NM_138720	rs16930371	8.98E-03	pink	0.37145	
<i>HIST2H4A</i>	NM_003548	NA	NA	pink	0.21831	
<i>HMGA2</i>	NM_003483	rs8052896	8.45E-03	pink	0.15666	
<i>HMGB1</i>	NM_002128	rs2394185	4.00E-03	pink	0.06835	
<i>HMGB2</i>	NM_002129	rs4494814	6.75E-02	pink	0.10588	
<i>HNMT</i>	NM_001024074	rs3817939	1.87E-02	pink	0.06736	
<i>HNT</i>	NM_001048209	NA	NA	pink	0.05182	
<i>HPS1</i>	NM_182639	rs1230157	3.70E-03	pink	0.14188	
<i>HSD3B7</i>	NM_025193	rs1702403	7.29E-03	pink	0.80689	
<i>HSPA4</i>	NM_002154	rs4731935	1.26E-02	pink	0.23399	
<i>HSPA4</i>	NM_198431	NA	NA	pink	0.67189	
<i>HSPB2</i>	NM_001541	rs5943245	9.84E-03	pink	0.06398	
<i>HYAL3</i>	NM_003549	rs2958944	4.08E-03	pink	0.07431	
<i>HYDIN</i>	NM_032821	rs17086457	8.19E-04	pink	0.71059	
<i>HYDIN</i>	XM_936224	NA	NA	pink	0.53398	
<i>IARS</i>	NM_002161	rs12429818	8.00E-03	pink	0.65445	
<i>IBRDC3</i>	NM_153341	NA	NA	pink	0.47809	
<i>ID4</i>	NM_001546	rs6947148	8.04E-03	pink	0.04511	
<i>IDE</i>	NM_004969	rs203132	1.89E-03	pink	0.53299	
<i>IDI1</i>	NM_004508	rs6442164	2.02E-02	pink	0.44194	
<i>IFI30</i>	NM_006332	rs7789571	1.08E-03	pink	0.36234	
<i>IFI35</i>	NM_005533	rs1858740	5.59E-04	pink	0.40057	
<i>IFIH1</i>	NM_022168	rs1347353	1.78E-02	pink	0.13613	
<i>IFRD2</i>	NM_006764	rs2958944	4.08E-03	pink	0.74119	
<i>IGSF1</i>	NM_001555	NA	NA	pink	0.33012	
<i>IGSF1</i>	NM_205833	NA	NA	pink	0.05595	
<i>IGSF3</i>	NM_001542	rs6703791	1.82E-02	pink	0.29542	
<i>IKIP</i>	NM_201612	NA	NA	pink	0.58349	
<i>IMMP2L</i>	NM_032549	rs3098728	1.00E-03	pink	0.54578	autism
<i>INADL</i>	NM_170605	NA	NA	pink	0.28128	

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<i>INCENP</i>	NM_001040694	rs10877932	8.91E-03	pink	0.82837	
<i>ING5</i>	NM_032329	rs2486542	7.63E-02	pink	0.18169	
<i>IQCD</i>	NM_138451	rs475620	2.34E-03	pink	0.27262	
<i>IQGAP1</i>	NM_003870	rs2202322	3.17E-03	pink	0.31219	
<i>IQGAP2</i>	NM_006633	rs7237754	2.27E-03	pink	0.04695	
<i>IQSEC2</i>	NM_015075	NA	NA	pink	0.47633	
<i>IRF1</i>	NM_002198	rs17051076	1.32E-02	pink	0.33283	
<i>IRX5</i>	NM_005853	rs10762553	1.57E-02	pink	0.05175	
<i>ITGA3</i>	NM_002204	rs875511	5.38E-03	pink	0.21485	
<i>ITSN1</i>	NM_001001132	rs7014743	3.43E-03	pink	0.31873	
<i>JAG2</i>	NM_145159	rs13124966	8.13E-03	pink	0.12729	
<i>JMJD3</i>	NM_001080424	NA	NA	pink	0.09045	
<i>KCNAB1</i>	NM_172159	rs2773218	6.00E-04	pink	0.15106	
<i>KCND1</i>	NM_004979	NA	NA	pink	0.36283	
<i>KCND3</i>	NM_172198	rs475620	2.34E-03	pink	0.06911	
<i>KCNJ10</i>	NM_002241	rs6556377	1.14E-02	pink	0.26511	
<i>KCNK2</i>	NM_001017425	rs17274552	1.30E-02	pink	0.10126	
<i>KCNK4</i>	NM_033310	rs2286614	1.30E-03	pink	0.28987	
<i>KCNMA1</i>	NM_001014797	rs7071575	2.75E-04	pink	0.11097	autism
<i>KCNN4</i>	NM_002250	rs11586980	2.38E-02	pink	0.36104	
<i>KCNT2</i>	NM_198503	rs13085410	2.33E-02	pink	0.39157	
<i>KDELC2</i>	NM_153705	rs2284290	4.36E-03	pink	0.79737	
<i>KIAA0523</i>	NM_015253	NA	NA	pink	0.40645	
<i>KIAA0980</i>	NM_025176	NA	NA	pink	0.05486	
<i>KIAA1324L</i>	NM_152748	rs4073109	2.66E-03	pink	0.36655	
<i>KIAA1407</i>	NM_020817	rs12408865	2.31E-02	pink	0.55697	
<i>KIAA1409</i>	NM_020818	rs4744038	4.97E-03	pink	0.60656	
<i>KIAA1505</i>	NM_020879	NA	NA	pink	0.78073	
<i>KIAA1683</i>	NM_025249	rs1495754	6.08E-03	pink	0.31419	
<i>KIAA1875</i>	NM_032529	NA	NA	pink	0.14085	
<i>KIAA1912</i>	XM_941554	NA	NA	pink	0.04056	
<i>KIAA2022</i>	NM_001008537	NA	NA	pink	0.57511	
<i>KIF18A</i>	NM_031217	rs16962901	2.78E-03	pink	0.83794	
<i>KIF23</i>	NM_138555	rs12327356	2.22E-03	pink	0.71637	
<i>KIF26B</i>	NM_018012	rs676292	7.91E-03	pink	0.30692	
<i>KIF5A</i>	NM_004984	rs1485677	4.53E-03	pink	0.29181	
<i>KIFC2</i>	NM_145754	rs9373448	7.74E-02	pink	0.55554	
<i>KIRREL</i>	NM_018240	rs7527735	9.08E-04	pink	0.07785	
<i>KLF11</i>	NM_003597	rs7211274	5.54E-03	pink	0.27252	
<i>KLHL17</i>	NM_198317	rs570869	9.34E-03	pink	0.06878	
<i>KLHL2</i>	NM_007246	rs7698056	2.88E-04	pink	0.43263	
<i>KLHL4</i>	NM_057162	NA	NA	pink	0.62511	
<i>KLK3</i>	NM_001030050	rs10888939	3.92E-03	pink	0.24845	
<i>KNTC2</i>	NM_006101	NA	NA	pink	0.67449	
<i>KPNA2</i>	NM_002266	rs2127047	1.90E-02	pink	0.66781	
<i>KRIT1</i>	NM_001013406	rs7166968	5.12E-04	pink	0.06682	
<i>KTN1</i>	NM_182926	rs1461796	1.11E-03	pink	0.29516	
<i>LAMA1</i>	NM_005559	rs6054715	7.17E-04	pink	0.53864	
<i>LAMA1</i>	NM_005559	rs6054715	7.17E-04	pink	0.32906	

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<i>LAMA3</i>	NM_000227	rs12517159	8.64E-04	pink	0.20287
<i>LAMB3</i>	NM_000228	rs16839586	3.28E-03	pink	0.26744
<i>LAMP2</i>	NM_002294	NA	NA	pink	0.91794
<i>LAMP2</i>	NM_013995	NA	NA	pink	0.67444
<i>LARP6</i>	NM_197958	rs6480263	3.28E-03	pink	0.81997
<i>LCTL</i>	NM_207338	rs1402142	5.48E-02	pink	0.28435
<i>LDHD</i>	NM_194436	rs10506680	9.80E-02	pink	0.24531
<i>LEFTY1</i>	NM_020997	rs1250905	2.96E-01	pink	0.08862
<i>LETM1</i>	NM_012318	rs7207686	1.99E-02	pink	0.61795
<i>LGALS12</i>	NM_033101	rs10507697	7.69E-03	pink	0.06524
<i>LGP2</i>	NM_024119	NA	NA	pink	0.06082
<i>LIMK1</i>	NM_016735	NA	NA	pink	0.37387
<i>LIN9</i>	NM_173083	rs6738983	6.43E-03	pink	0.29956
<i>LMBR1L</i>	NM_018113	rs1386271	5.26E-03	pink	0.17254
<i>LMBRD1</i>	NM_018368	rs1544442	1.08E-03	pink	0.86722
<i>LMO3</i>	NM_018640	rs12221081	4.45E-03	pink	0.37412
<i>LMTK3</i>	XM_936372	NA	NA	pink	0.54358
<i>LNX1</i>	NM_032622	rs17232701	1.79E-03	pink	0.25224
<i>LOC126147</i>	NM_145807	NA	NA	pink	0.36154
<i>LOC129607</i>	NM_207315	NA	NA	pink	0.06608
<i>LOC130940</i>	NM_138803	NA	NA	pink	0.33794
<i>LOC132241</i>	XM_934203	NA	NA	pink	0.42354
<i>LOC134997</i>	NR_000030	NA	NA	pink	0.48198
<i>LOC144404</i>	NM_001080825	NA	NA	pink	0.35026
<i>LOC144983</i>	NM_001011724	NA	NA	pink	0.09713
<i>LOC200810</i>	NM_001015050	NA	NA	pink	0.58403
<i>LOC201229</i>	NM_001076680	NA	NA	pink	0.42291
<i>LOC338799</i>	NR_002809	rs7129402	4.41E-02	pink	0.70487
<i>LOC348180</i>	XM_939188	NA	NA	pink	0.47520
<i>LOC349236</i>	NM_182635	NA	NA	pink	0.33033
<i>LOC387921</i>	NM_001017370	NA	NA	pink	0.18536
<i>LOC388610</i>	NM_001013642	NA	NA	pink	0.76802
<i>LOC389458</i>	NM_203393	NA	NA	pink	0.08789
<i>LOC400451</i>	NM_207446	NA	NA	pink	0.33858
<i>LOC400924</i>	NM_001013676	NA	NA	pink	0.19561
<i>LOC400986</i>	NM_001010914	NA	NA	pink	0.19232
<i>LOC402176</i>	NM_001011538	NA	NA	pink	0.17490
<i>LOC440145</i>	NM_001071775	NA	NA	pink	0.37967
<i>LOC441244</i>	XM_943658	NA	NA	pink	0.08702
<i>LOC492311</i>	NM_001007189	NA	NA	pink	0.65989
<i>LOC56902</i>	NM_020143	NA	NA	pink	0.40567
<i>LOC57228</i>	NM_001031628	NA	NA	pink	0.17062
<i>LOC606495</i>	NM_001031672	NA	NA	pink	0.12671
<i>LOC649431</i>	XM_943707	NA	NA	pink	0.11184
<i>LOC653098</i>	XM_925981	NA	NA	pink	0.31781
<i>LOC653417</i>	XM_927326	NA	NA	pink	0.10426
<i>LOC653723</i>	XM_929209	NA	NA	pink	0.33663
<i>LOC653744</i>	XM_929370	NA	NA	pink	0.33910
<i>LOC653803</i>	XM_376278	NA	NA	pink	0.20800

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<i>LOC89944</i>	NM_138342	NA	NA	pink	0.64274	
<i>LOC91353</i>	NM_001013618	NA	NA	pink	0.00797	
<i>LOC92689</i>	NM_138389	NA	NA	pink	0.18930	
<i>LPP</i>	NM_005578	rs2050664	1.59E-02	pink	0.79903	
<i>LRP1</i>	NM_002332	rs6763408	4.33E-03	pink	0.03400	
<i>LRRC24</i>	NM_001024678	rs1718075	8.40E-02	pink	0.08607	
<i>LRRC48</i>	NM_031294	rs7119188	5.06E-04	pink	0.53045	
<i>LSP1</i>	NM_001013255	rs1331297	4.26E-03	pink	0.20031	
<i>LTBP3</i>	NM_021070	rs11735072	2.52E-02	pink	0.22649	
<i>LTBP3</i>	XM_938706	NA	NA	pink	0.07857	
<i>MAEL</i>	NM_032858	rs10515910	1.20E-02	pink	0.11416	
<i>MAFF</i>	NM_012323	rs13288123	1.27E-03	pink	0.47871	
<i>MAN2A2</i>	NM_006122	rs825954	1.51E-02	pink	0.25123	
<i>MANEAL</i>	NM_001031740	rs17127036	1.66E-02	pink	0.20567	
<i>MANSC1</i>	NM_018050	rs4702867	6.85E-03	pink	0.32185	
<i>MAP1B</i>	NM_032010	NA	NA	pink	0.09979	
<i>MAP2</i>	NM_001039538	rs992029	2.46E-02	pink	0.33832	autism
<i>MAP4K4</i>	NM_145686	rs6539053	1.50E-03	pink	0.11250	
<i>MASTL</i>	NM_032844	rs2595372	4.38E-02	pink	0.52438	
<i>MBNL2</i>	NM_144778	rs17685664	5.46E-04	pink	0.06988	
<i>MCAM</i>	NM_006500	rs3747450	5.28E-02	pink	0.07276	
<i>MCC</i>	NM_002387	rs4839202	7.48E-04	pink	0.51729	
<i>MCF2</i>	NM_005369	NA	NA	pink	0.08752	
<i>MCTP1</i>	NM_001002796	rs203132	1.89E-03	pink	0.08487	
<i>MCTS1</i>	NM_014060	NA	NA	pink	0.02549	
<i>MDH1B</i>	NM_206892	NA	NA	pink	0.45346	
<i>ME1</i>	NM_002395	rs2788099	1.34E-03	pink	0.50600	
<i>MED12L</i>	NM_053002	rs10952377	4.47E-03	pink	0.16917	
<i>MET</i>	NM_000245	rs10850795	4.07E-03	pink	0.12520	autism
<i>MGAT4C</i>	NM_013244	rs10231543	2.57E-04	pink	0.16618	
<i>MGC13170</i>	NM_199249	rs6766861	8.05E-03	pink	0.75660	
<i>MGC15523</i>	NM_138570	NA	NA	pink	0.27290	
<i>MGC33648</i>	NM_153706	NA	NA	pink	0.59327	
<i>MGC72080</i>	NR_002822	rs1941867	2.11E-02	pink	0.21355	
<i>MICAL-L1</i>	NM_033386	NA	NA	pink	0.56244	
<i>MITF</i>	NM_198158	rs1790834	2.54E-02	pink	0.26549	
<i>MKI67</i>	NM_002417	rs7793239	2.51E-02	pink	0.37653	
<i>MLC1</i>	NM_015166	rs9535207	2.98E-04	pink	0.67104	
<i>MLF1</i>	NM_022443	rs1656377	7.42E-03	pink	0.20739	
<i>MLF1IP</i>	NM_024629	rs755535	1.52E-02	pink	0.42862	
<i>MLL</i>	NM_005933	rs6661142	5.24E-03	pink	0.11561	
<i>MLL5</i>	NM_018682	rs985453	8.93E-03	pink	0.23009	
<i>MMP16</i>	NM_005941	rs6551408	8.14E-03	pink	0.13788	
<i>MMP17</i>	NM_016155	rs1733874	8.12E-03	pink	0.56036	
<i>MMP3</i>	NM_002422	rs10778228	9.34E-04	pink	0.06549	
<i>MOSC2</i>	NM_017898	rs12133663	3.26E-03	pink	0.61114	
<i>MR1</i>	NM_001531	rs3747956	8.01E-02	pink	0.57109	
<i>MRE11A</i>	NM_005591	rs11107798	3.57E-02	pink	0.52000	
<i>MRPL11</i>	NM_170739	rs6730703	5.70E-03	pink	0.02668	

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<i>MRPL17</i>	NM_022061	rs1500545	2.32E-03	pink	0.84615
<i>MRPL20</i>	NM_017971	rs1538721	1.48E-03	pink	0.73910
<i>MRPL4</i>	NM_015956	rs2759630	4.12E-03	pink	0.15326
<i>MRPL4</i>	NM_146387	rs2759630	4.12E-03	pink	0.71555
<i>MRPL43</i>	NM_176792	rs2763531	4.14E-02	pink	0.26772
<i>MRPL47</i>	NM_020409	rs9685097	1.37E-02	pink	0.05624
<i>MRPS12</i>	NM_033363	rs2297198	4.00E-03	pink	0.69240
<i>MRPS30</i>	NM_016640	rs835750	4.64E-03	pink	0.60964
<i>MRRF</i>	NM_138777	rs1011151	1.48E-03	pink	0.06157
<i>MS4A6A</i>	NM_152851	rs17097088	3.14E-03	pink	0.00998
<i>MSH5</i>	NM_002441	rs4445	5.63E-03	pink	0.51180
<i>MSH5</i>	NM_172166	rs4445	5.63E-03	pink	0.15104
<i>MSI2</i>	NM_138962	rs4687554	2.45E-03	pink	0.37955
<i>MTM1</i>	NM_000252	NA	NA	pink	0.57402
<i>MTMR2</i>	NM_016156	rs6834248	4.90E-03	pink	0.11191
<i>MTMR7</i>	NM_004686	rs10503593	6.12E-04	pink	0.23563
<i>MTRR</i>	NM_002454	rs7703033	2.63E-03	pink	0.33250
<i>MYB</i>	NM_005375	rs1979573	5.74E-03	pink	0.38114
<i>MYC</i>	NM_002467	rs11242001	6.85E-03	pink	0.50601
<i>MYLK</i>	NM_053026	rs13015323	9.11E-03	pink	0.05255
<i>MYLK2</i>	NM_033118	rs11753654	4.48E-03	pink	0.01964
<i>MYO1C</i>	NM_001080779	rs1538721	1.48E-03	pink	0.22854
<i>MYO1C</i>	NM_033375	rs1538721	1.48E-03	pink	0.20496
<i>MYO3B</i>	NM_138995	rs2164963	1.64E-03	pink	0.01947
<i>MYOZ3</i>	NM_133371	rs1634079	1.82E-02	pink	0.02675
<i>MYR8</i>	NM_015011	NA	NA	pink	0.11556
<i>MYST4</i>	NM_012330	rs308927	6.64E-03	pink	0.31875
<i>NALP2</i>	NM_017852	NA	NA	pink	0.13941
<i>NCALD</i>	NM_032041	rs4135064	2.67E-03	pink	0.54993
<i>NDUFB1</i>	NM_004545	rs7166968	5.12E-04	pink	0.12558
<i>NEK2</i>	NM_002497	rs10497927	8.58E-03	pink	0.61235
<i>NETO1</i>	NM_138966	rs10997574	1.36E-03	pink	0.08665
<i>NETO1</i>	NM_138999	rs6566663	1.53E-03	pink	0.12844
<i>NFKB2</i>	NM_002502	rs4338031	2.79E-02	pink	0.20161
<i>NFKBIB</i>	NM_002503	rs2838407	1.35E-02	pink	0.17562
<i>NHLRC2</i>	NM_198514	rs2254527	4.43E-04	pink	0.34429
<i>NKD1</i>	NM_033119	rs974897	4.84E-04	pink	0.11135
<i>NME1-NME2</i>	NM_001018136	rs11702684	1.83E-03	pink	0.39380
<i>NME2</i>	NM_002512	rs11702684	1.83E-03	pink	0.16226
<i>NOC3L</i>	NM_022451	rs27524	1.49E-02	pink	0.53035
<i>NOC4L</i>	NM_024078	rs11246940	2.69E-02	pink	0.32387
<i>NOP5/NOP58</i>	NM_015934	NA	NA	pink	0.67296
<i>NOVA1</i>	NM_006491	rs4307059	1.07E-05	pink	0.31774
<i>NOXA1</i>	NM_006647	rs1347142	3.53E-02	pink	0.57456
<i>NPB</i>	NM_148896	rs1549118	2.16E-03	pink	0.11063
<i>NPM3</i>	NM_006993	rs11164767	6.55E-04	pink	0.84157
<i>NRG4</i>	NM_138573	rs555779	3.13E-03	pink	0.16552
<i>NRIP3</i>	NM_020645	rs10255740	2.11E-03	pink	0.70162
<i>NRM</i>	NM_007243	rs11150596	1.46E-02	pink	0.60020

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<i>NRP2</i>	NM_201264	rs849575	3.75E-02	pink	0.25142	autism
<i>NSD1</i>	NM_022455	rs4132381	3.88E-03	pink	0.29856	
<i>NTSR2</i>	NM_012344	rs1296025	4.06E-03	pink	0.10201	
<i>NUDT9P1</i>	NR_002779	rs3815058	2.25E-02	pink	0.26344	
<i>NUF2</i>	NM_031423	rs211002	4.48E-03	pink	0.47500	
<i>NUP210</i>	NM_024923	rs3785697	3.02E-04	pink	0.24588	
<i>NUP35</i>	NM_138285	rs10497621	2.01E-02	pink	0.20774	
<i>NUP50</i>	NM_153645	rs4714706	5.29E-03	pink	0.58654	
<i>NXPH3</i>	NM_007225	rs11696676	3.67E-03	pink	0.35478	
<i>NY-SAR-48</i>	NM_033417	NA	NA	pink	0.62132	
<i>ODF2</i>	NM_153437	rs9968804	4.02E-02	pink	0.60231	
<i>ODF2</i>	NM_153437	rs9968804	4.02E-02	pink	0.22849	
<i>OGN</i>	NM_014057	rs499927	6.51E-03	pink	0.18609	
<i>OPLAH</i>	NM_017570	rs10499238	2.22E-02	pink	0.75494	
<i>OR1C1</i>	NM_012353	rs10788766	1.36E-01	pink	0.02723	autism
<i>OR6B1</i>	NM_001005281	rs12201873	1.21E-01	pink	0.30039	
<i>OR7E156P</i>	NR_002171	rs2150031	6.09E-04	pink	0.71639	
<i>OSBPL2</i>	NM_144498	rs1353546	1.02E-02	pink	0.16831	
<i>OSBPL3</i>	NM_145322	rs2975186	1.78E-03	pink	0.25723	
<i>P18SRP</i>	NM_173829	NA	NA	pink	0.23728	
<i>P2RY1</i>	NM_002563	rs6597446	3.74E-02	pink	0.30107	
<i>P4HA2</i>	NM_001017974	rs4751145	6.29E-03	pink	0.32552	
<i>PACRG</i>	NM_001080379	rs1936075	6.98E-05	pink	0.48821	
<i>PACRG</i>	NM_152410	rs1936075	6.98E-05	pink	0.28923	
<i>PAK1IP1</i>	NM_017906	rs11784061	1.52E-03	pink	0.06077	
<i>PAK3</i>	NM_002578	NA	NA	pink	0.20727	
<i>PANK3</i>	NM_024594	rs9858485	9.37E-03	pink	0.32364	
<i>PAQR9</i>	NM_198504	rs2328518	2.76E-02	pink	0.34486	
<i>PCBP3</i>	NM_020528	rs7491248	1.35E-03	pink	0.22910	
<i>PCDH20</i>	NM_022843	rs2408109	2.64E-02	pink	0.85229	
<i>PCDHA3</i>	NM_018906	rs6577995	5.22E-03	pink	0.53870	
<i>PCDHA4</i>	NM_031500	rs16910093	1.87E-02	pink	0.06256	
<i>PCDHA7</i>	NM_031852	rs1267622	4.01E-02	pink	0.06070	
<i>PCDHAC1</i>	NM_031882	rs964942	2.65E-02	pink	0.40706	
<i>PCDHB10</i>	NM_018930	rs11924964	1.62E-01	pink	0.41113	
<i>PCDHB11</i>	NM_018931	rs11924964	1.62E-01	pink	0.03853	
<i>PCDHGC3</i>	NM_002588	rs1584783	5.70E-05	pink	0.10704	
<i>PCGF5</i>	NM_032373	rs4744038	4.97E-03	pink	0.69488	
<i>PCNA</i>	NM_182649	rs4765803	4.53E-04	pink	0.30837	
<i>PCNXL2</i>	NM_024938	NA	NA	pink	0.47820	
<i>PDE1C</i>	NM_005020	rs17508455	4.07E-04	pink	0.43956	
<i>PDE7B</i>	NM_018945	rs1364407	3.93E-03	pink	0.20188	
<i>PDLIM7</i>	NM_213636	rs10798623	9.50E-02	pink	0.93098	
<i>PEG10</i>	NM_001040152	rs279968	1.04E-02	pink	0.54228	
<i>PFAS</i>	NM_012393	rs3782681	3.20E-02	pink	0.57466	
<i>PGAP1</i>	NM_024989	rs1580820	4.66E-02	pink	0.09324	
<i>PGBD3</i>	NM_170753	rs16964864	4.21E-02	pink	0.14079	
<i>PGM5</i>	NM_021965	rs10506635	4.04E-03	pink	0.30935	
<i>PGM5</i>	NM_021965	rs10506635	4.04E-03	pink	0.19514	

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<i>PHACTR1</i>	NM_030948	rs10511576	6.01E-05	pink	0.54954	
<i>PHACTR3</i>	NM_080672	rs11852448	1.04E-03	pink	0.04975	
<i>PHF14</i>	NM_014660	rs985157	3.11E-03	pink	0.58133	
<i>PHF19</i>	NM_001009936	rs7841293	4.90E-02	pink	0.81494	
<i>PHF20L1</i>	NM_198513	rs10165601	9.66E-03	pink	0.23128	
<i>PHTF2</i>	NM_020432	rs1477264	4.79E-03	pink	0.18990	
<i>PILRA</i>	NM_178272	rs2286265	8.55E-03	pink	0.05371	
<i>PINX1</i>	NM_017884	rs2230906	8.40E-04	pink	0.42231	autism
<i>PIP5K1B</i>	NM_001031687	NA	NA	pink	0.15239	
<i>PITX2</i>	NM_153427	rs1349348	2.34E-02	pink	0.27391	
<i>PLAG1</i>	NM_002655	rs10783915	5.19E-04	pink	0.26936	
<i>PLAUR</i>	NM_001005376	rs12429253	7.70E-03	pink	0.74223	autism & epilepsy
<i>PLCH1</i>	NM_014996	rs1850847	2.79E-03	pink	0.31968	
<i>PLEKHA1</i>	NM_021622	rs10934622	9.94E-05	pink	0.20382	
<i>PLEKHH1</i>	NM_020715	rs4317552	9.80E-03	pink	0.73431	
<i>PLEKHJ1</i>	NM_018049	rs7127900	4.58E-03	pink	0.39682	
<i>PLK1</i>	NM_005030	rs13378562	2.72E-03	pink	0.34314	
<i>PLK2</i>	NM_006622	rs32617	1.30E-02	pink	0.07277	
<i>PLP2</i>	NM_002668	NA	NA	pink	0.06469	
<i>PLSCR1</i>	NM_021105	rs2134852	2.60E-02	pink	0.40130	
<i>PLXNA1</i>	NM_032242	rs339085	1.84E-02	pink	0.54250	
<i>PNRC1</i>	NM_006813	rs11743030	4.05E-06	pink	0.17677	
<i>POFUT1</i>	NM_172236	rs466767	1.64E-03	pink	0.06352	
<i>POL3S</i>	NM_001039503	NA	NA	pink	0.14728	
<i>POLA1</i>	NM_016937	NA	NA	pink	0.60357	
<i>POLD1</i>	NM_002691	rs160078	1.63E-03	pink	0.50967	
<i>POLE</i>	NM_006231	rs10988554	1.14E-02	pink	0.37508	
<i>POLR3D</i>	NM_001722	rs970348	1.73E-02	pink	0.56352	
<i>PORCN</i>	NM_022825	NA	NA	pink	0.02748	
<i>POU2F1</i>	NM_002697	rs573814	1.31E-02	pink	0.46232	
<i>PPAP2B</i>	NM_003713	rs9537662	3.67E-03	pink	0.41258	
<i>PPAP2B</i>	NM_177414	NA	NA	pink	0.89525	
<i>PPAP2C</i>	NM_177543	rs10967209	1.34E-02	pink	0.26326	
<i>PPAPDC1B</i>	NM_032483	rs1565866	9.24E-03	pink	0.64635	
<i>PPIL5</i>	NM_152329	rs11903014	9.25E-03	pink	0.89170	
<i>PPM2C</i>	NM_018444	NA	NA	pink	0.13174	
<i>PPP1R14A</i>	NM_033256	rs10506257	3.11E-02	pink	0.16340	
<i>PPP1R1B</i>	NM_032192	rs8096947	2.56E-02	pink	0.19447	
<i>PPP1R3B</i>	NM_024607	rs11715608	8.31E-04	pink	0.08590	
<i>PPP2R1B</i>	NM_181699	rs12705796	1.33E-03	pink	0.51702	
<i>PPP2R3B</i>	NM_199326	NA	NA	pink	0.35625	
<i>PRDM1</i>	NM_001198	rs1404784	1.49E-02	pink	0.29013	
<i>PRPF40B</i>	NM_001031698	rs12587756	7.30E-03	pink	0.07015	
<i>PRPS2</i>	NM_001039091	NA	NA	pink	0.66475	
<i>PRRT2</i>	NM_145239	rs6783723	6.17E-03	pink	0.31196	
<i>PRSS27</i>	NM_031948	rs17743926	6.96E-03	pink	0.44902	
<i>PSEN1</i>	NM_000021	rs1192250	1.34E-03	pink	0.04719	
<i>PSMD12</i>	NM_002816	rs17067237	5.67E-03	pink	0.58204	
<i>PSRC1</i>	NM_001032291	rs7654972	1.09E-02	pink	0.50206	

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<i>PSRC1</i>	NM_001032290	NA	NA	pink	0.01742
<i>PSTPIP2</i>	NM_024430	rs7000214	1.70E-03	pink	0.26997
<i>PTK2</i>	NM_153831	rs253438	2.11E-04	pink	0.77223
<i>PTPN3</i>	NM_002829	rs4627009	4.46E-03	pink	0.04551
<i>PTPRD</i>	NM_130391	rs10758979	3.28E-03	pink	0.40765
<i>PTPRD</i>	NM_130391	rs10758979	3.28E-03	pink	0.91671
<i>PTPRE</i>	NM_006504	rs1119738	1.39E-03	pink	0.19141
<i>PTPRG</i>	NM_002841	rs1286831	6.00E-04	pink	0.37956
<i>PURA</i>	NM_005859	rs12548855	1.71E-02	pink	0.31890
<i>PVRL1</i>	NM_203285	rs7604059	1.25E-02	pink	0.03359
<i>PXMP4</i>	NM_007238	rs10011864	4.49E-03	pink	0.37270
<i>PYCRL</i>	NM_023078	rs13419007	3.63E-02	pink	0.12654
<i>RAB11FIP4</i>	NM_032932	rs2992299	1.29E-03	pink	0.28612
<i>RAB15</i>	NM_198686	rs7188225	1.11E-03	pink	0.04452
<i>RAB3B</i>	NM_002867	rs2456207	4.36E-03	pink	0.07352
<i>RARRES1</i>	NM_002888	rs10515809	3.13E-02	pink	0.14420
<i>RASA1</i>	NM_022650	rs8016092	4.67E-03	pink	0.02123
<i>RASAL2</i>	NM_170692	rs4132381	3.88E-03	pink	0.36905
<i>RASD2</i>	NM_014310	rs4829329	7.06E-03	pink	0.68891
<i>RASSF5</i>	NM_182664	rs6693578	1.94E-03	pink	0.28599
<i>RAXL1</i>	NM_032753	NA	NA	pink	0.11873
<i>RBBP8</i>	NM_002894	rs2520355	6.82E-04	pink	0.42033
<i>RBL1</i>	NM_002895	rs4244559	1.03E-03	pink	0.37706
<i>RBM13</i>	NM_032509	NA	NA	pink	0.21385
<i>RBP7</i>	NM_052960	rs1859586	2.45E-03	pink	0.21560
<i>RDH12</i>	NM_152443	rs10996684	9.43E-03	pink	0.29238
<i>RDM1</i>	NM_001034836	rs6777902	1.62E-02	pink	0.10699
<i>RELB</i>	NM_006509	rs739431	8.66E-04	pink	0.42850
<i>RENBP</i>	NM_002910	NA	NA	pink	0.48457
<i>REPS2</i>	XM_942570	NA	NA	pink	0.21701
<i>RFC2</i>	NM_002914	rs11626364	1.12E-02	pink	0.50730
<i>RFC3</i>	NM_181558	rs10954906	1.42E-03	pink	0.29019
<i>RFFL</i>	NM_001017368	rs1264581	7.52E-03	pink	0.28620
<i>RFPL1S</i>	NR_002727	rs10138219	1.60E-02	pink	0.33027
<i>RFXANK</i>	NM_003721	rs2503349	2.70E-04	pink	0.36950
<i>RGAG4</i>	NM_001024455	NA	NA	pink	0.28137
<i>RGS11</i>	NM_183337	rs10967209	1.34E-02	pink	0.43311
<i>RGS2</i>	NM_002923	rs16834831	1.17E-01	pink	0.28871
<i>RGS3</i>	NM_144489	rs2662482	1.92E-02	pink	0.43711
<i>RIMS4</i>	NM_182970	rs1981008	4.49E-03	pink	0.18204
<i>RIT2</i>	NM_002930	rs1393109	1.17E-03	pink	0.11492
<i>RKHD3</i>	NM_032246	NA	NA	pink	0.79491
<i>RNASEH2A</i>	NM_006397	rs1024580	2.01E-03	pink	0.78471
<i>RNF36</i>	NM_182985	rs1078342	3.70E-02	pink	0.22035
<i>ROPN1L</i>	NM_031916	rs2662970	1.09E-02	pink	0.32582
<i>ROR1</i>	NM_005012	rs1034505	3.37E-03	pink	0.54429
<i>RPA3</i>	NM_002947	rs12448409	5.66E-06	pink	0.28643
<i>RPE65</i>	NM_000329	rs11581095	6.06E-03	pink	0.54109
<i>RPIB9</i>	NM_138290	NA	NA	pink	0.72112

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<i>RPL34</i>	NM_033625	rs9301445	1.01E-02	pink	0.30455	
<i>RPL36A</i>	NM_021029	NA	NA	pink	0.22939	
<i>RPRM</i>	NM_019845	rs4960657	8.88E-03	pink	0.75667	
<i>RPS6KA1</i>	NM_001006665	rs2992299	1.29E-03	pink	0.19300	
<i>RPS6KA3</i>	XM_944112	NA	NA	pink	0.31812	
<i>RRAGB</i>	NM_016656	NA	NA	pink	0.60850	
<i>RSHL3</i>	NM_001010892	NA	NA	pink	0.69725	
<i>RTN2</i>	NM_206902	NA	NA	pink	0.60600	
<i>RTN2</i>	NM_206902	NA	NA	pink	0.15657	
<i>RTN3</i>	NM_201429	rs2150031	6.09E-04	pink	0.21815	
<i>RTN4</i>	NM_007008	rs4239673	7.21E-03	pink	0.81438	
<i>RUFY2</i>	NM_001042417	rs6960495	3.22E-03	pink	0.09364	
<i>RUFY3</i>	NM_001037442	rs11823867	2.28E-03	pink	0.68394	
<i>S100A3</i>	NM_002960	rs9883613	3.23E-02	pink	0.06144	
<i>S100A4</i>	NM_002961	rs9883613	3.23E-02	pink	0.57535	
<i>S100A4</i>	NM_002961	rs9883613	3.23E-02	pink	0.23101	
<i>S100B</i>	NM_006272	rs1077216	1.10E-03	pink	0.31494	
<i>SART2</i>	NM_013352	NA	NA	pink	0.27219	
<i>SC4MOL</i>	NM_006745	rs7698056	2.88E-04	pink	0.31374	
<i>SC4MOL</i>	NM_006745	rs7698056	2.88E-04	pink	0.19092	
<i>SCAMP5</i>	NM_138967	rs12943089	6.21E-03	pink	0.64942	
<i>SCN1A</i>	NM_006920	rs1998168	1.08E-02	pink	0.37441	autism & epilepsy
<i>SCN3B</i>	NM_018400	rs3867146	1.81E-02	pink	0.12854	
<i>SCNN1B</i>	NM_000336	rs7218952	1.98E-03	pink	0.12653	
<i>SCNN1D</i>	NM_002978	rs8078073	5.87E-03	pink	0.27544	
<i>SCRT2</i>	NM_033129	rs936469	3.30E-03	pink	0.70939	
<i>SDC1</i>	NM_002997	rs11624594	8.09E-04	pink	0.87346	
<i>SEC24A</i>	NM_021982	rs1432288	9.99E-03	pink	0.07926	
<i>SEC24D</i>	NM_014822	rs2064570	1.05E-02	pink	0.37496	
<i>SELI</i>	NM_033505	NA	NA	pink	0.15868	
<i>SEMA3B</i>	NM_001005914	rs2282751	9.49E-04	pink	0.04993	
<i>SEMA6C</i>	NM_030913	rs4972269	5.76E-02	pink	0.36395	
<i>SEPN1</i>	NM_206926	rs4307059	1.07E-05	pink	0.83927	
<i>SERINC1</i>	NM_020755	rs4936810	7.47E-04	pink	0.62768	
<i>SERTAD3</i>	NM_203344	rs7699135	5.17E-03	pink	0.32588	
<i>SFPQ</i>	NM_005066	rs2834803	6.19E-03	pink	0.22466	
<i>SFXN3</i>	NM_030971	rs11190790	3.29E-02	pink	0.04089	
<i>SGK3</i>	NM_170709	rs11691501	5.17E-03	pink	0.21818	
<i>SH2D3C</i>	NM_170600	rs11018376	4.55E-03	pink	0.59801	
<i>SHC1</i>	NM_183001	rs2239466	2.27E-03	pink	0.61423	
<i>SHC3</i>	NM_016848	rs17731311	1.02E-03	pink	0.53862	
<i>SHMT1</i>	NM_004169	rs1178339	1.34E-04	pink	0.13377	
<i>SIX4</i>	NM_017420	rs1353546	1.02E-02	pink	0.30807	
<i>SLA/LP</i>	NM_016955	NA	NA	pink	0.06514	
<i>SLC15A3</i>	NM_016582	rs13064050	5.02E-03	pink	0.48984	
<i>SLC16A13</i>	NM_201566	rs10492951	2.73E-03	pink	0.03432	
<i>SLC16A4</i>	NM_004696	rs3797755	5.65E-03	pink	0.30576	
<i>SLC1A1</i>	NM_004170	rs12368152	8.50E-03	pink	0.36346	autism
<i>SLC1A2</i>	NM_004171	rs7120564	1.17E-03	pink	0.60444	epilepsy

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<i>SLC22A17</i>	NM_020372	rs2827617	2.59E-03	pink	0.49986
<i>SLC25A13</i>	NM_014251	rs4509239	2.31E-03	pink	0.40226
<i>SLC25A26</i>	NM_173471	rs10492203	5.23E-04	pink	0.20925
<i>SLC25A27</i>	NM_004277	rs17118127	4.87E-03	pink	0.29919
<i>SLC25A34</i>	NM_207348	rs8050881	2.84E-02	pink	0.19069
<i>SLC29A1</i>	NM_001078174	rs4942369	8.99E-03	pink	0.51115
<i>SLC2A4RG</i>	NM_020062	rs17828306	1.22E-03	pink	0.78651
<i>SLC2A9</i>	NM_001001290	rs2654718	2.71E-03	pink	0.20828
<i>SLC35D1</i>	NM_015139	rs4542295	5.39E-03	pink	0.33623
<i>SLC35E4</i>	NM_001001479	rs1064019	4.99E-02	pink	0.38803
<i>SLC39A3</i>	NM_213568	rs17743926	6.96E-03	pink	0.18908
<i>SLC43A2</i>	NM_152346	rs1514687	1.83E-03	pink	0.70772
<i>SLC45A1</i>	NM_001080397	rs11606763	1.07E-02	pink	0.26768
<i>SLC4A2</i>	NM_003040	rs9288706	2.21E-02	pink	0.21116
<i>SLC6A12</i>	NM_003044	rs727056	2.01E-03	pink	0.81595
<i>SLC6A20</i>	NM_022405	rs13033787	1.09E-02	pink	0.07549
<i>SLC7A6</i>	NM_001076785	rs8064579	6.41E-03	pink	0.21710
<i>SLC7A6</i>	NM_003983	rs8064579	6.41E-03	pink	0.15959
<i>SMARCD2</i>	NM_003077	NA	NA	pink	0.39813
<i>SMC2L1</i>	NM_006444	rs2725762	2.61E-02	pink	0.62953
<i>SMC6L1</i>	NM_024624	NA	NA	pink	0.20972
<i>SNORD36A</i>	NR_002448	rs7428024	2.75E-02	pink	0.23253
<i>SNRPB</i>	NM_003091	rs11715813	1.90E-02	pink	0.92590
<i>SNX16</i>	NM_022133	rs972827	1.26E-03	pink	0.73063
<i>SOX12</i>	NM_006943	rs10967209	1.34E-02	pink	0.56923
<i>SPAG8</i>	NM_001039592	rs2942382	3.35E-03	pink	0.10426
<i>SPAG8</i>	NM_172312	rs2942382	3.35E-03	pink	0.06714
<i>SPAG9</i>	NM_172345	NA	NA	pink	0.79220
<i>SPG7</i>	NM_199367	rs1493007	1.13E-02	pink	0.21451
<i>SPINT2</i>	NM_021102	rs5765901	1.16E-02	pink	0.36779
<i>SPRED3</i>	NM_001042522	rs717091	2.07E-03	pink	0.05696
<i>SPRY1</i>	NM_005841	rs7108303	2.25E-02	pink	0.05830
<i>SPRY2</i>	NM_005842	rs7816685	2.41E-02	pink	0.54113
<i>SPSB3</i>	NM_080861	rs1124200	4.46E-03	pink	0.81663
<i>SPTBN1</i>	NM_003128	rs8003961	1.82E-03	pink	0.51589
<i>SPTLC2</i>	NM_004863	rs11643648	6.88E-04	pink	0.33262
<i>SREBF1</i>	NM_004176	rs11683808	5.07E-03	pink	0.39615
<i>SS18</i>	NM_001007559	rs6452027	7.50E-04	pink	0.27559
<i>SS18L1</i>	NM_015558	NA	NA	pink	0.73123
<i>SSFA2</i>	NM_006751	rs11729166	1.37E-02	pink	0.35551
<i>SSH1</i>	NM_018984	rs2267882	8.29E-03	pink	0.33800
<i>ST6GALNAC2</i>	NM_006456	rs10125617	5.51E-02	pink	0.09532
<i>ST8SIA4</i>	NM_175052	rs12428596	6.52E-03	pink	0.07026
<i>STARD13</i>	NM_178006	rs10136259	5.97E-05	pink	0.64728
<i>STARD7</i>	NM_020151	rs2888124	5.76E-03	pink	0.11919
<i>STEAP2</i>	NM_152999	rs1897832	2.73E-03	pink	0.55085
<i>STEAP2</i>	NM_152999	rs1897832	2.73E-03	pink	0.37941
<i>STEAP3</i>	NM_182915	rs17750541	4.58E-03	pink	0.24261
<i>STGC3</i>	NM_001006608	NA	NA	pink	0.04263

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<i>STIL</i>	NM_003035	rs7324484	1.04E-03	pink	0.59611	
<i>STOX1</i>	NM_152709	rs12883168	5.01E-03	pink	0.64691	
<i>STRBP</i>	NM_018387	rs13015323	9.11E-03	pink	0.47999	
<i>SUHW4</i>	NM_001002844	NA	NA	pink	0.39025	
<i>SUHW4</i>	NM_001002844	NA	NA	pink	0.19019	
<i>SULT1A3</i>	NM_003166	NA	NA	pink	0.19467	
<i>SULT1C2</i>	NM_006588	NA	NA	pink	0.64536	
<i>SURF2</i>	NM_017503	rs4241365	2.68E-02	pink	0.08419	
<i>SYN1</i>	NM_006950	NA	NA	pink	0.09907	epilepsy
<i>SYNE2</i>	NM_015180	rs7825567	6.08E-04	pink	0.16031	
<i>SYNE2</i>	NM_015180	rs7825567	6.08E-04	pink	0.27180	
<i>SYNGR1</i>	NM_145731	rs11070241	4.65E-03	pink	0.57968	
<i>SYNGR1</i>	NM_145738	rs11070241	4.65E-03	pink	0.51408	
<i>SYNJ1</i>	NM_203446	rs6756581	8.38E-04	pink	0.39321	
<i>SYT1</i>	NM_005639	rs10793345	1.70E-04	pink	0.94398	
<i>SYTL2</i>	NM_206930	rs4907105	8.62E-03	pink	0.56898	
<i>TACR1</i>	NM_001058	rs2242258	1.30E-03	pink	0.03888	
<i>TACR1</i>	NM_015727	rs2242258	1.30E-03	pink	0.03668	
<i>TADA2L</i>	NM_133439	NA	NA	pink	0.37064	
<i>TAF1B</i>	NM_005680	rs1859586	2.45E-03	pink	0.58789	
<i>TAGLN</i>	NM_001001522	rs2145357	2.99E-03	pink	0.85385	
<i>TARS</i>	NM_152295	rs6462481	2.99E-03	pink	0.25160	
<i>TBRG4</i>	NM_199122	rs6775113	4.72E-03	pink	0.74208	
<i>TCF19</i>	NM_001077511	rs1557275	3.13E-03	pink	0.57367	
<i>TCF19</i>	NM_007109	rs1557275	3.13E-03	pink	0.33149	
<i>TDP1</i>	NM_018319	rs10801723	4.06E-03	pink	0.39374	
<i>TFAP2B</i>	NM_003221	rs17504439	7.67E-04	pink	0.44425	
<i>TFAP2C</i>	NM_003222	rs11003452	1.17E-02	pink	0.24281	
<i>TFCP2L1</i>	NM_014553	rs1537510	9.04E-03	pink	0.18219	
<i>TGFBR3</i>	NM_003243	rs10083274	1.18E-03	pink	0.29598	
<i>THRA</i>	NM_199334	rs2016520	7.04E-04	pink	0.95040	
<i>THRAP2</i>	NM_015335	NA	NA	pink	0.03511	
<i>THSD1</i>	NM_018676	rs627860	1.22E-03	pink	0.14041	
<i>TIMM17A</i>	NM_006335	rs13012419	2.89E-03	pink	0.34249	
<i>TLE3</i>	NM_005078	rs7765600	2.29E-03	pink	0.63662	
<i>TLE6</i>	NM_024760	rs8078781	1.59E-04	pink	0.45312	
<i>TLN2</i>	NM_015059	rs1450774	6.51E-03	pink	0.16260	
<i>TLR5</i>	NM_003268	rs4674556	3.82E-02	pink	0.13960	
<i>TMEM104</i>	NM_017728	rs12883168	5.01E-03	pink	0.28855	
<i>TMEM164</i>	NM_032227	NA	NA	pink	0.14393	
<i>TMEM20</i>	NM_153226	rs749974	2.90E-02	pink	0.50475	
<i>TMEM93</i>	NM_001014764	rs7883545	2.53E-04	pink	0.32421	
<i>TMPO</i>	NM_003276	rs4121680	5.17E-03	pink	0.14916	
<i>TMSL8</i>	NM_021992	NA	NA	pink	0.15234	
<i>TNFAIP8L1</i>	NM_152362	rs754814	2.75E-02	pink	0.89390	
<i>TNFRSF10B</i>	NM_003842	rs940009	1.18E-03	pink	0.07675	
<i>TNFRSF10B</i>	NM_147187	rs940009	1.18E-03	pink	0.22702	
<i>TNFRSF10D</i>	NM_003840	rs4655128	3.78E-03	pink	0.20893	
<i>TNFRSF25</i>	NM_148973	NA	NA	pink	0.29287	

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<i>TNKS</i>	NM_003747	rs2654718	2.71E-03	pink	0.09712
<i>TNNI3K</i>	NM_015978	rs7087762	8.13E-03	pink	0.40693
<i>TNRC6B</i>	NM_001024843	rs1393109	1.17E-03	pink	0.43411
<i>TOE1</i>	NM_025077	rs12498156	2.49E-02	pink	0.15637
<i>TOM1L2</i>	NM_144678	NA	NA	pink	0.69019
<i>TOP1MT</i>	NM_052963	rs7625382	4.45E-02	pink	0.23438
<i>TOP1MT</i>	XM_944877	NA	NA	pink	0.34749
<i>TP53I11</i>	NM_006034	rs718798	1.35E-03	pink	0.04377
<i>TP53TG3</i>	NM_016212	NA	NA	pink	0.05122
<i>TPM1</i>	NM_001018008	rs6011530	1.02E-03	pink	0.23806
<i>TPTE2</i>	NM_130785	rs16979870	6.88E-03	pink	0.09418
<i>TRA16</i>	NM_176880	NA	NA	pink	0.71087
<i>TRA1P2</i>	XR_000203	NA	NA	pink	0.09867
<i>TRAF3</i>	NM_003300	rs7306825	1.60E-03	pink	0.42506
<i>TRAPPC2</i>	NM_001011658	NA	NA	pink	0.16131
<i>TRDMT1</i>	NM_176083	NA	NA	pink	0.46433
<i>TRIM2</i>	NM_015271	rs9288286	4.68E-03	pink	0.56745
<i>TRIM22</i>	NM_006074	rs6926631	1.52E-02	pink	0.63992
<i>TRIM36</i>	NM_018700	rs4613914	4.28E-04	pink	0.47490
<i>TRIM69</i>	NM_080745	rs1078342	3.70E-02	pink	0.58996
<i>TRPM8</i>	NM_024080	rs2885478	2.88E-02	pink	0.16618
<i>TRSPAP1</i>	NM_017846	NA	NA	pink	0.40316
<i>TSGA2</i>	NM_080860	NA	NA	pink	0.27774
<i>TSPAN13</i>	NM_014399	rs1076113	1.77E-03	pink	0.47291
<i>TSPAN17</i>	NM_130465	rs9970167	8.19E-02	pink	0.30209
<i>TSPAN33</i>	NM_178562	rs7026747	1.56E-03	pink	0.41457
<i>TTC18</i>	NM_145170	rs1374879	1.14E-02	pink	0.23383
<i>TTC21A</i>	NM_145755	rs2638863	5.33E-03	pink	0.45616
<i>TUBG1</i>	XM_944510	NA	NA	pink	0.27621
<i>TXNDC5</i>	NM_030810	rs10976618	7.71E-03	pink	0.73619
<i>TXNDC9</i>	NM_005783	rs1572860	2.72E-02	pink	0.13496
<i>U2AF1</i>	NM_001025203	rs10506255	3.21E-02	pink	0.06149
<i>UAP1</i>	NM_003115	rs9985638	4.58E-02	pink	0.34686
<i>UBC</i>	NM_021009	rs7893717	1.11E-01	pink	0.36134
<i>UBE2C</i>	NM_181802	rs7284581	6.72E-03	pink	0.27653
<i>UBE2D3</i>	NM_181892	rs28253	2.88E-02	pink	0.06997
<i>UBE2I</i>	NM_194261	rs10809917	2.22E-03	pink	0.18252
<i>UBE2L3</i>	NM_198157	NA	NA	pink	0.21049
<i>UCK2</i>	NM_012474	rs2814472	9.71E-03	pink	0.93190
<i>UCN</i>	NM_003353	rs10506018	4.81E-03	pink	0.33535
<i>UFD1L</i>	NM_001035247	rs2824335	1.12E-02	pink	0.36679
<i>UHMK1</i>	NM_175866	rs2962393	4.97E-03	pink	0.38652
<i>ULK2</i>	NM_014683	rs12517159	8.64E-04	pink	0.18050
<i>UNC5D</i>	NM_080872	rs2701516	1.79E-04	pink	0.59180
<i>UPF2</i>	NM_080599	rs1975349	2.68E-03	pink	0.03235
<i>URB</i>	NM_199511	NA	NA	pink	0.34160
<i>URB</i>	NM_199512	NA	NA	pink	0.07455
<i>USP13</i>	NM_003940	rs2584401	3.22E-02	pink	0.32940
<i>USP48</i>	NM_001032730	rs6452027	7.50E-04	pink	0.12273

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<i>USP53</i>	NM_019050	rs798997	2.68E-02	pink	0.33985
<i>USP6</i>	NM_004505	rs6053063	3.84E-05	pink	0.02184
<i>UTP15</i>	NM_032175	rs7099452	2.00E-02	pink	0.25481
<i>VAPA</i>	NM_003574	rs1557978	1.34E-02	pink	0.61253
<i>VARS</i>	NM_006295	rs1951688	5.61E-03	pink	0.12758
<i>VEZT</i>	NM_017599	rs499927	6.51E-03	pink	0.02827
<i>VIP</i>	NM_194435	rs3757070	4.09E-03	pink	0.28342
<i>WDR17</i>	NM_181265	rs1921481	1.01E-02	pink	0.16216
<i>WDR19</i>	NM_025132	rs1393109	1.17E-03	pink	0.92698
<i>WDR23</i>	NM_025230	NA	NA	pink	0.70168
<i>WDR33</i>	NM_001006623	rs339085	1.84E-02	pink	0.42924
<i>WDR4</i>	NM_033661	rs16830039	2.16E-02	pink	0.36438
<i>WDR46</i>	NM_005452	rs1187061	9.45E-03	pink	0.93498
<i>WDR49</i>	NM_178824	rs12530468	3.15E-03	pink	0.42544
<i>WDR5</i>	NM_017588	rs10268066	2.35E-02	pink	0.34954
<i>WDR51A</i>	NM_015426	NA	NA	pink	0.93065
<i>WDR55</i>	NM_017706	rs4727011	2.87E-02	pink	0.67758
<i>WDR62</i>	NM_173636	rs7955255	1.45E-03	pink	0.25623
<i>WDR74</i>	XM_936269	NA	NA	pink	0.61199
<i>WDSUB1</i>	NM_152528	rs409359	1.64E-02	pink	0.57476
<i>WHSC1</i>	NM_007331	rs1331297	4.26E-03	pink	0.51894
<i>WIPF1</i>	NM_001077269	rs11939600	2.09E-02	pink	0.14447
<i>WSB1</i>	NM_134264	NA	NA	pink	0.10564
<i>XPO4</i>	NM_022459	rs4982360	8.06E-04	pink	0.02911
<i>XPOT</i>	NM_007235	rs10274542	2.63E-02	pink	0.43529
<i>YTHDC1</i>	NM_133370	rs12891349	1.26E-02	pink	0.27452
<i>ZADH1</i>	NM_152444	NA	NA	pink	0.26816
<i>ZBTB16</i>	NM_006006	rs11259844	3.54E-04	pink	0.32115
<i>ZBTB7B</i>	NM_015872	rs17428	3.35E-03	pink	0.34696
<i>ZBTB8OS</i>	NM_178547	rs896503	3.28E-03	pink	0.19853
<i>ZDHHC1</i>	NM_013304	rs11936348	6.95E-03	pink	0.61159
<i>ZDHHC2</i>	NM_016353	rs2959618	1.92E-03	pink	0.15744
<i>ZFHX4</i>	NM_024721	rs8003641	2.25E-03	pink	0.22560
<i>ZKSCAN1</i>	NM_003439	rs17418706	1.67E-04	pink	0.14448
<i>ZMAT1</i>	NM_032441	NA	NA	pink	0.15454
<i>ZMYND10</i>	NM_015896	rs2143725	1.37E-02	pink	0.15882
<i>ZNF174</i>	NM_003450	rs7060694	6.36E-03	pink	0.26037
<i>ZNF179</i>	NM_007148	NA	NA	pink	0.33726
<i>ZNF224</i>	NM_013398	rs17722373	1.53E-03	pink	0.21445
<i>ZNF239</i>	NM_005674	rs10506255	3.21E-02	pink	0.65120
<i>ZNF334</i>	NM_018102	rs6932104	1.35E-02	pink	0.35521
<i>ZNF342</i>	NM_145288	NA	NA	pink	0.83569
<i>ZNF367</i>	NM_153695	rs4905752	8.91E-04	pink	0.05464
<i>ZNF418</i>	NM_133460	rs11520658	8.13E-03	pink	0.14788
<i>ZNF433</i>	NM_152602	NA	NA	pink	0.68862
<i>ZNF441</i>	NM_152355	rs1296025	4.06E-03	pink	0.65458
<i>ZNF502</i>	NM_033210	rs7904676	8.30E-03	pink	0.64993
<i>ZNF509</i>	NM_145291	NA	NA	pink	0.11279
<i>ZNF599</i>	NM_001007248	rs10483056	1.71E-03	pink	0.56152

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<i>ZNF606</i>	NM_025027	rs2150031	6.09E-04	pink	0.77299
<i>ZNF651</i>	NM_145166	NA	NA	pink	0.33159
<i>ZNF695</i>	NM_020394	rs2379189	3.73E-01	pink	0.18171
<i>ZNF702</i>	NM_024924	NA	NA	pink	0.06068
<i>ZNF704</i>	NM_001033723	rs1079242	1.06E-03	pink	0.56575
<i>ZNF767</i>	NM_024910	NA	NA	pink	0.08762
<i>ZNF91</i>	NM_003430	rs10757418	9.84E-04	pink	0.80470
<i>ZWINT</i>	NM_032997	rs32617	1.30E-02	pink	0.66565
<i>ALPK3</i>	NM_020778	rs4662179	9.26E-03	purple	0.12458
<i>ATF3</i>	NM_004024	NA	NA	purple	0.42855
<i>ATP11B</i>	NM_014616	rs13001300	2.43E-03	purple	0.57494
<i>ATP7B</i>	NM_000053	rs6063947	7.02E-03	purple	0.85018
<i>AZGP1</i>	NM_001185	rs4919128	3.53E-03	purple	0.66601
<i>BMP8B</i>	NM_001720	rs16869484	1.46E-02	purple	0.75441
<i>C16orf50</i>	NM_032269	NA	NA	purple	1.00000
<i>CCNB1IP1</i>	NM_182852	rs11739635	3.90E-03	purple	0.67615
<i>CD1E</i>	NM_030893	rs11712650	8.51E-03	purple	0.19772
<i>CLDN20</i>	NM_001001346	rs2209354	9.46E-04	purple	0.28249
<i>DPCR1</i>	NM_080870	rs749767	8.95E-04	purple	0.44834
<i>ERO1LB</i>	NM_019891	rs3768105	1.92E-01	purple	0.23944
<i>FLJ21159</i>	NM_024826	NA	NA	purple	0.23284
<i>FOLR1</i>	NM_016730	NA	NA	purple	0.37593
<i>FXN</i>	NM_181425	rs13416248	8.59E-03	purple	0.89791
<i>GJC1</i>	NM_152219	NA	NA	purple	0.39568
<i>HOOK3</i>	NM_032410	rs1981008	4.49E-03	purple	0.43244
<i>HOXB8</i>	NM_024016	rs6447330	3.43E-03	purple	0.89037
<i>HOXD3</i>	NM_006898	rs12760731	1.07E-01	purple	0.75548
<i>IGFL3</i>	NM_207393	rs10140352	3.80E-03	purple	0.34754
<i>LHFPL3</i>	NM_199000	rs13221774	7.15E-04	purple	0.23007
<i>LOC399898</i>	NM_001013666	NA	NA	purple	0.28604
<i>LOC653281</i>	XM_926684	NA	NA	purple	0.28262
<i>MAPK15</i>	NM_139021	rs10935500	4.88E-02	purple	0.61730
<i>MUC7</i>	NM_152291	rs7960038	1.80E-02	purple	0.59620
<i>MYOZ1</i>	NM_021245	rs10429583	2.16E-02	purple	0.26851
<i>OR2H2</i>	NM_007160	rs9508667	1.17E-02	purple	0.95621
<i>PGAM5</i>	NM_138575	rs12521868	4.28E-02	purple	0.25014
<i>PLA2G10</i>	NM_003561	rs9821143	9.37E-03	purple	0.28904
<i>RSPO3</i>	NM_032784	rs1683723	1.85E-02	purple	0.64813
<i>SCGB1C1</i>	NM_145651	rs727056	2.01E-03	purple	0.15093
<i>SEMG1</i>	NM_003007	rs2239770	4.74E-03	purple	0.80910
<i>SHOX2</i>	NM_006884	rs10455771	5.65E-02	purple	0.38830
<i>SIGLEC12</i>	NM_053003	rs1543109	1.80E-02	purple	0.20276
<i>TNXA</i>	NR_001284	rs12454634	3.11E-03	purple	0.17427
<i>TPP2</i>	NM_003291	rs11720318	5.23E-04	purple	0.83606
<i>ZAP70</i>	NM_001079	rs7517899	9.97E-03	purple	0.70083
<i>ZNF611</i>	NM_030972	rs10747826	2.33E-02	purple	0.18253
<i>ACCN3</i>	NM_020322	rs496220	6.69E-02	red	0.73656
<i>ADAMDEC1</i>	NM_014479	rs11074618	5.03E-03	red	0.50357
<i>ADIPOQ</i>	NM_004797	rs172818	1.03E-03	red	0.45681

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<i>AKT3</i>	NM_181690	rs10927067	1.47E-02	red	0.29553	
<i>ALPPL2</i>	NM_031313	rs12067652	2.30E-01	red	0.48847	
<i>ANKZF1</i>	NM_018089	rs10799	3.21E-02	red	0.30063	
<i>B3GALT7</i>	NM_198540	NA	NA	red	0.20560	
<i>C14orf115</i>	NM_018228	NA	NA	red	0.16187	
<i>C14orf68</i>	NM_207117	NA	NA	red	0.85632	
<i>CA9</i>	NM_001216	rs286435	2.29E-03	red	0.37429	
<i>CACNA1I</i>	NM_001003406	rs1858740	5.59E-04	red	0.65818	
<i>CCDC60</i>	NM_178499	rs3802881	9.06E-03	red	0.83218	
<i>CEP290</i>	NM_025114	rs4533056	9.53E-03	red	0.64454	
<i>DMD</i>	NM_004010	NA	NA	red	0.38775	
<i>DNAJC5G</i>	NM_173650	rs2199664	3.80E-02	red	0.33010	
<i>DUSP13</i>	NM_016364	rs830786	4.12E-03	red	0.20443	
<i>ELA3B</i>	NM_007352	NA	NA	red	0.45065	
<i>FCGR3B</i>	NM_000570	rs409359	1.64E-02	red	0.74214	
<i>FLJ30934</i>	NM_152760	NA	NA	red	0.49266	
<i>FLJ35725</i>	NM_001031742	NA	NA	red	0.35330	
<i>FLJ36779</i>	NM_152571	NA	NA	red	0.82762	
<i>GCM1</i>	NM_003643	rs12910429	9.21E-03	red	0.27079	
<i>GPR34</i>	NM_001033513	NA	NA	red	0.22272	
<i>HCN4</i>	NM_005477	rs7174643	9.97E-04	red	0.44599	
<i>HLA-DQB2</i>	NM_182549	NA	NA	red	0.60524	
<i>HOXA6</i>	NM_024014	rs9554090	6.33E-03	red	0.17869	
<i>HOXC6</i>	NM_153693	rs37787	7.65E-03	red	0.65936	
<i>IL16</i>	NM_172217	rs7171517	2.38E-03	red	0.38234	
<i>IL1F5</i>	NM_173170	rs7329468	3.74E-03	red	0.72351	
<i>IL1RL1</i>	NM_016232	rs7306825	1.60E-03	red	0.07698	
<i>IL21R</i>	NM_181078	rs1555453	3.00E-03	red	0.12930	
<i>ISLR</i>	NM_201526	rs543827	1.06E-02	red	0.34929	
<i>KCND2</i>	NM_012281	rs3794208	3.30E-03	red	0.25748	
<i>KIAA1920</i>	NM_052919	NA	NA	red	0.55533	
<i>KIF6</i>	NM_145027	rs9369119	6.13E-04	red	0.48336	
<i>KLK1</i>	NM_002257	rs1023880	1.62E-03	red	0.47321	
<i>KLK11</i>	NM_006853	rs1485677	4.53E-03	red	0.46870	
<i>KRT17</i>	NM_000422	rs7146299	1.13E-02	red	0.12637	
<i>KRT3</i>	NM_057088	rs4711976	1.35E-02	red	0.38650	
<i>KRTHB4</i>	NM_033045	NA	NA	red	0.61349	
<i>L3MBTL3</i>	NM_001007102	rs6486676	1.41E-03	red	0.73675	
<i>LOC51149</i>	NM_001017987	NA	NA	red	0.49056	
<i>MRAP</i>	NM_206898	rs10971038	1.71E-02	red	0.47685	
<i>OAS1</i>	NM_002534	rs1361133	1.25E-02	red	0.57386	
<i>OPRM1</i>	NM_001008505	rs9288286	4.68E-03	red	1.00000	autism
<i>OR4C13</i>	NM_001001955	rs10495983	2.57E-03	red	0.48377	
<i>OR4K13</i>	NM_001004714	rs367842	1.13E-05	red	0.20813	
<i>OR52N2</i>	NM_001005174	rs16864085	1.45E-02	red	0.25612	
<i>OR8D1</i>	NM_001002917	rs972931	3.24E-02	red	0.17241	
<i>PAGE4</i>	NM_007003	NA	NA	red	0.18610	
<i>PAX9</i>	NM_006194	rs4833144	1.24E-04	red	0.68800	
<i>PECAM1</i>	NM_000442	rs10411879	5.55E-04	red	0.46450	

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<i>PTPN5</i>	NM_001039970	rs4721719	7.51E-03	red	0.09220
<i>RBP5</i>	NM_031491	rs4689606	1.68E-04	red	0.36831
<i>S100A7L2</i>	NM_001045479	rs7781309	1.39E-02	red	0.59127
<i>SC4MOL</i>	NM_001017369	rs7698056	2.88E-04	red	0.26453
<i>SDPR</i>	NM_004657	rs6444517	1.72E-02	red	0.64695
<i>SIPA1L3</i>	NM_015073	rs8140396	3.46E-03	red	0.49103
<i>THSD4</i>	NM_024817	rs17087818	2.83E-05	red	0.23979
<i>TNFRSF9</i>	NM_001561	rs7703033	2.63E-03	red	0.58094
<i>TRPV3</i>	NM_145068	rs16844401	2.61E-03	red	0.16899
<i>USH3A</i>	NM_052995	NA	NA	red	0.86971
<i>VN1R2</i>	NM_173856	rs10515989	6.29E-03	red	0.60110
<i>WISP2</i>	NM_003881	rs4812854	4.78E-03	red	0.16752
<i>ZNF41</i>	NM_007130	NA	NA	red	0.72549
	7-Mar NM_005885	NA	NA	royalblue	0.62314
	5-Sep NM_080417	NA	NA	royalblue	0.53420
<i>ABHD11</i>	NM_148914	NA	NA	royalblue	0.44917
<i>ABLIM1</i>	NM_001003407	rs1544155	1.48E-04	royalblue	0.38318
<i>ABLIM1</i>	NM_006720	rs6908592	2.62E-03	royalblue	0.57042
<i>ACAT2</i>	NM_005891	rs9833196	8.31E-04	royalblue	0.30296
<i>ACCN4</i>	NM_018674	rs4846355	1.02E-01	royalblue	0.33317
<i>ACCN4</i>	NM_018674	rs4846355	1.02E-01	royalblue	0.25837
<i>ACOT12</i>	NM_130767	rs1859678	9.69E-03	royalblue	0.92869
<i>ACOT9</i>	NM_001033583	NA	NA	royalblue	0.91843
<i>ACOT9</i>	NM_001037171	NA	NA	royalblue	0.36424
<i>ACSS2</i>	NM_001076552	rs1869824	8.47E-04	royalblue	0.85620
<i>ACSS2</i>	NM_018677	rs1869824	8.47E-04	royalblue	0.21343
<i>ACSS2</i>	NM_139274	NA	NA	royalblue	0.85220
<i>ACVR1</i>	NM_001105	rs929779	3.80E-03	royalblue	0.83557
<i>ADAM12</i>	NM_003474	rs9491849	4.77E-05	royalblue	0.41986
<i>ADAM12</i>	NM_021641	rs9491849	4.77E-05	royalblue	0.29133
<i>ADAMTS14</i>	NM_139155	rs1727668	5.62E-03	royalblue	0.35509
<i>ADAMTS9</i>	NM_182920	rs7188225	1.11E-03	royalblue	0.87964
<i>ADH4</i>	NM_000670	rs12428596	6.52E-03	royalblue	0.26104
<i>ADPN</i>	NM_025225	NA	NA	royalblue	0.30853
<i>AFF3</i>	NM_002285	rs10509714	1.22E-03	royalblue	0.63149
<i>AFTIPHILIN</i>	NM_203437	rs8052896	8.45E-03	royalblue	0.55517
<i>AIFM1</i>	NM_145813	NA	NA	royalblue	0.82104
<i>AK5</i>	NM_012093	rs17100458	1.90E-03	royalblue	0.73681
<i>AK5</i>	NM_174858	rs17100458	1.90E-03	royalblue	0.19427
<i>ALDH16A1</i>	NM_153329	rs11003452	1.17E-02	royalblue	0.37323
<i>ALDH1A2</i>	NM_170696	rs1023880	1.62E-03	royalblue	0.43878
<i>ALKBH8</i>	NM_138775	rs803520	1.94E-02	royalblue	0.56204
<i>ALPL</i>	NM_000478	rs2443768	1.63E-03	royalblue	0.66470
<i>ALS2CR4</i>	NM_152388	rs1914261	2.57E-01	royalblue	0.81712
<i>AMBN</i>	NM_016519	rs6995985	6.34E-03	royalblue	0.81437
<i>AMBN</i>	NM_016519	rs6995985	6.34E-03	royalblue	0.90731
<i>AMD1</i>	NM_001033059	rs4627009	4.46E-03	royalblue	0.44338
<i>AMD1</i>	NM_001634	rs4627009	4.46E-03	royalblue	0.67615
<i>AMH</i>	NM_000479	rs7127900	4.58E-03	royalblue	0.54345

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<i>ANGPT2</i>	NM_001147	rs1428986	1.31E-03	royalblue	0.30514
<i>ANKDD1A</i>	NM_182703	rs10507697	7.69E-03	royalblue	0.64697
<i>ANKRD12</i>	NM_015208	rs293184	3.31E-03	royalblue	0.48739
<i>ANKRD34</i>	NM_001039888	NA	NA	royalblue	0.34318
<i>ANKRD38</i>	NM_181712	NA	NA	royalblue	0.67672
<i>ANKRD39</i>	NM_016466	rs879311	1.08E-02	royalblue	0.35219
<i>ANKRD44</i>	NM_153697	rs7426655	4.79E-03	royalblue	0.05697
<i>ANKRD50</i>	NM_020337	rs3935197	1.44E-03	royalblue	0.57433
<i>ANKRD9</i>	NM_152326	rs7631720	4.06E-03	royalblue	0.75073
<i>ANKS1B</i>	NM_020140	rs1474620	1.64E-03	royalblue	0.71703
<i>AP3B2</i>	NM_004644	rs6473199	6.57E-03	royalblue	0.39892
<i>APBB3</i>	NM_006051	rs2318331	2.42E-02	royalblue	0.39332
<i>APBB3</i>	NM_133173	rs2318331	2.42E-02	royalblue	0.38144
<i>APC2</i>	NM_005883	rs1514687	1.83E-03	royalblue	0.60668
<i>APITD1</i>	NM_199295	NA	NA	royalblue	0.43506
<i>APOE</i>	NM_000041	rs12196609	2.43E-02	royalblue	0.90134
<i>APOL4</i>	NM_030643	rs13205210	8.21E-03	royalblue	0.57276
<i>APRT</i>	NM_000485	rs9300794	6.56E-03	royalblue	0.83670
<i>ARHGAP20</i>	NM_020809	rs12677646	1.51E-03	royalblue	0.79214
<i>ARHGAP29</i>	NM_004815	rs7316331	1.99E-03	royalblue	0.11492
<i>ARID3A</i>	NM_005224	rs570869	9.34E-03	royalblue	0.64512
<i>ARL4D</i>	NM_001661	rs1560422	1.24E-03	royalblue	0.50555
<i>ARL9</i>	NM_206919	rs890632	1.36E-03	royalblue	0.60740
<i>ARPP-21</i>	NM_001025068	NA	NA	royalblue	0.38316
<i>ASB6</i>	NM_177999	rs3780695	1.95E-02	royalblue	0.53994
<i>ASB9</i>	NM_024087	NA	NA	royalblue	0.45685
<i>ASCC3L1</i>	NM_014014	NA	NA	royalblue	0.72491
<i>ASL</i>	NM_001024943	rs1471504	4.02E-03	royalblue	0.38366
<i>ASL</i>	NM_001024943	rs1471504	4.02E-03	royalblue	0.34643
<i>ASTN2</i>	NM_014010	rs1688615	1.33E-03	royalblue	0.67085
<i>ATAD3B</i>	NM_031921	rs1514687	1.83E-03	royalblue	0.38227
<i>ATBF1</i>	NM_006885	NA	NA	royalblue	0.52571
<i>ATIC</i>	NM_004044	rs10495069	1.05E-01	royalblue	0.78957
<i>ATP2B4</i>	NM_001684	rs16852152	2.74E-02	royalblue	0.84098
<i>ATP5G1</i>	NM_005175	rs4942369	8.99E-03	royalblue	0.19401
<i>ATRN</i>	NM_139322	rs7883545	2.53E-04	royalblue	0.22034
<i>ATRNL1</i>	NM_207303	rs4920888	1.10E-03	royalblue	0.41546
<i>AVEN</i>	NM_020371	rs2124748	3.20E-05	royalblue	0.29946
<i>AVPI1</i>	NM_021732	rs17418706	1.67E-04	royalblue	0.78013
<i>B3GNTL1</i>	NM_001009905	rs9309801	4.00E-03	royalblue	0.59725
<i>BAMBI</i>	NM_012342	rs4893602	4.60E-04	royalblue	0.78251
<i>BCAN</i>	NM_021948	rs11971331	3.29E-02	royalblue	0.97069
<i>BCAT2</i>	NM_001190	rs12582022	5.55E-03	royalblue	0.83031
<i>BCMO1</i>	NM_017429	rs2717536	5.33E-03	royalblue	0.53817
<i>BGN</i>	NM_001711	NA	NA	royalblue	0.92360
<i>BIN3</i>	NM_018688	rs5970839	8.87E-03	royalblue	0.29658
<i>BLCAP</i>	NM_006698	rs286411	7.75E-04	royalblue	0.64649
<i>BMP2</i>	NM_001200	rs1054060	4.04E-03	royalblue	0.70123
<i>BMPR2</i>	NM_001204	rs12025272	8.58E-02	royalblue	0.43390

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<i>BOC</i>	NM_033254	rs786990	7.19E-03	royalblue	0.33972	
<i>BRI3BP</i>	NM_080626	rs2611428	4.50E-03	royalblue	0.25810	
<i>BRI3BP</i>	XM_941876	NA	NA	royalblue	0.62885	
<i>BRWD1</i>	NM_033656	rs9369119	6.13E-04	royalblue	0.19962	
<i>BRWD1</i>	NM_001007246	rs5758108	8.73E-03	royalblue	0.77404	
<i>BSN</i>	NM_003458	rs7755833	2.55E-04	royalblue	0.81271	
<i>BST2</i>	NM_004335	rs5993462	2.74E-03	royalblue	0.49874	
<i>BTBD5</i>	NM_017658	NA	NA	royalblue	0.41588	
<i>BTD</i>	NM_000060	rs2543154	1.88E-03	royalblue	0.55300	
<i>BUB1B</i>	NM_001211	rs1565866	9.24E-03	royalblue	0.40004	
<i>BUB3</i>	NM_001007793	rs2001966	5.62E-02	royalblue	0.48031	
<i>BZRAP1</i>	NM_004758	rs13235506	4.95E-03	royalblue	0.46976	autism
<i>C10orf125</i>	NM_198472	rs801553	5.73E-02	royalblue	0.91471	
<i>C10orf13</i>	NM_152429	NA	NA	royalblue	0.84058	
<i>C10orf67</i>	NM_153714	rs2116227	5.35E-03	royalblue	0.71829	
<i>C10orf90</i>	NM_001004298	rs2255177	7.69E-04	royalblue	0.66534	
<i>C12orf24</i>	NM_013300	rs2273669	1.49E-02	royalblue	0.81819	
<i>C12orf28</i>	NM_182530	NA	NA	royalblue	0.36816	
<i>C12orf34</i>	NM_032829	rs2676370	3.20E-04	royalblue	0.27136	
<i>C12orf46</i>	NM_152321	NA	NA	royalblue	0.52989	
<i>C12orf48</i>	NM_017915	rs7584650	6.66E-03	royalblue	0.46954	
<i>C14orf126</i>	NM_080664	rs11129434	4.41E-03	royalblue	0.43367	
<i>C14orf143</i>	NM_145231	rs6551408	8.14E-03	royalblue	0.44807	
<i>C18orf22</i>	NM_024805	NA	NA	royalblue	0.71061	
<i>C18orf34</i>	NM_198995	rs4308905	1.83E-04	royalblue	0.35961	
<i>C18orf51</i>	NM_001044369	NA	NA	royalblue	0.94405	
<i>C18orf51</i>	XM_058931	NA	NA	royalblue	0.96627	
<i>C19orf30</i>	NM_174947	NA	NA	royalblue	0.76104	
<i>C1orf106</i>	NM_018265	rs2062847	1.59E-01	royalblue	0.60743	
<i>C1orf183</i>	NM_019099	rs11102329	4.76E-03	royalblue	0.26045	
<i>C1orf2</i>	NM_006589	NA	NA	royalblue	0.77658	
<i>C1orf2</i>	NM_198264	NA	NA	royalblue	0.25399	
<i>C1orf21</i>	NM_030806	rs2871262	2.86E-02	royalblue	0.72384	
<i>C1orf94</i>	NM_032884	rs6628850	7.17E-03	royalblue	0.84641	
<i>C1orf97</i>	NM_032705	NA	NA	royalblue	0.15749	
<i>C1QBP</i>	NM_001212	rs2074437	4.33E-02	royalblue	0.91800	
<i>C1QTNF5</i>	NM_015645	rs13129382	3.82E-02	royalblue	0.91852	
<i>C1R</i>	NM_001733	rs7031605	3.14E-03	royalblue	0.92449	
<i>C1S</i>	NM_001734	rs7857570	5.91E-03	royalblue	0.95033	
<i>C1S</i>	NM_201442	rs7857570	5.91E-03	royalblue	0.86904	
<i>C20orf100</i>	NM_032883	NA	NA	royalblue	0.86124	
<i>C20orf58</i>	NM_152864	NA	NA	royalblue	0.79905	
<i>C21orf127</i>	NM_013240	rs4820853	9.72E-03	royalblue	0.45935	
<i>C21orf34</i>	NM_001005732	NA	NA	royalblue	0.67229	
<i>C21orf56</i>	NM_032261	rs1374748	2.16E-03	royalblue	0.42694	
<i>C21orf63</i>	NM_058187	rs1958023	1.42E-03	royalblue	0.61237	
<i>C21orf7</i>	NM_020152	rs17509178	3.93E-03	royalblue	0.78122	
<i>C22orf16</i>	NM_213720	NA	NA	royalblue	0.58891	
<i>C3AR1</i>	NM_004054	rs10795588	3.16E-02	royalblue	0.16996	

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<i>C4orf18</i>	NM_016613	NA	NA	royalblue	0.88906	
<i>C4orf18</i>	NM_016613	NA	NA	royalblue	0.57418	
<i>C5orf16</i>	NM_173828	NA	NA	royalblue	0.37042	
<i>C6orf139</i>	NM_018132	NA	NA	royalblue	0.10133	
<i>C6orf152</i>	NM_181714	NA	NA	royalblue	0.20877	
<i>C6orf26</i>	NM_001039651	rs4445	5.63E-03	royalblue	0.62074	
<i>C6orf32</i>	NM_015864	NA	NA	royalblue	0.74839	
<i>C7orf24</i>	NM_024051	NA	NA	royalblue	0.57478	
<i>C8orf13</i>	NM_053279	NA	NA	royalblue	0.88052	
<i>C8orf34</i>	NM_052958	rs17086457	8.19E-04	royalblue	0.72733	
<i>C8orf58</i>	NM_001013842	rs7061317	7.69E-03	royalblue	0.15424	
<i>C9orf114</i>	NM_016390	rs2997922	1.51E-03	royalblue	0.78983	
<i>C9orf127</i>	NM_016446	NA	NA	royalblue	0.84211	
<i>C9orf23</i>	NM_148179	rs13356779	8.15E-04	royalblue	0.41322	
<i>C9orf72</i>	NM_018325	rs10501086	2.08E-02	royalblue	0.44802	
<i>CA12</i>	NM_001218	rs1036244	6.36E-03	royalblue	0.70180	
<i>CA8</i>	NM_004056	rs6090305	8.03E-03	royalblue	0.22208	
<i>CACNB2</i>	NM_201572	rs2717756	3.20E-04	royalblue	0.27219	
<i>CACNB2</i>	NM_201572	rs2717756	3.20E-04	royalblue	0.71665	
<i>CACNG3</i>	NM_006539	rs4800869	8.40E-04	royalblue	0.55097	
<i>CALB2</i>	NM_001740	rs12506592	2.82E-02	royalblue	0.94242	
<i>CALB2</i>	NM_007088	rs12506592	2.82E-02	royalblue	0.25719	
<i>CAMK1</i>	NM_003656	rs12774125	7.78E-04	royalblue	0.52884	
<i>CAMK1D</i>	NM_020397	rs10511576	6.01E-05	royalblue	0.29498	
<i>CASP7</i>	NM_033338	rs546464	1.13E-03	royalblue	0.64427	
<i>CASP7</i>	NM_033340	rs546464	1.13E-03	royalblue	0.14574	
<i>CASQ1</i>	NM_001231	rs929779	3.80E-03	royalblue	0.59161	
<i>CBFA2T2</i>	NM_005093	rs1902334	5.48E-04	royalblue	0.62024	
<i>CBS</i>	NM_000071	rs4802256	1.44E-02	royalblue	0.66472	autism
<i>CCDC22</i>	NM_014008	NA	NA	royalblue	0.15599	
<i>CCDC34</i>	NM_030771	rs1555453	3.00E-03	royalblue	0.77102	
<i>CCDC34</i>	NM_030771	rs1555453	3.00E-03	royalblue	0.60335	
<i>CCDC58</i>	NM_001017928	rs701034	9.69E-03	royalblue	0.28374	
<i>CCNE1</i>	NM_001238	rs6457797	1.34E-02	royalblue	0.19184	
<i>CCT6A</i>	NM_001762	rs12058859	5.70E-03	royalblue	0.22851	
<i>CD24</i>	NM_013230	NA	NA	royalblue	0.91966	
<i>CD276</i>	XM_945867	NA	NA	royalblue	0.24603	
<i>CD2AP</i>	NM_012120	rs10165893	7.51E-04	royalblue	0.57657	
<i>CD59</i>	NM_203329	rs8093306	4.11E-03	royalblue	0.50071	
<i>CD8A</i>	NM_001768	rs6662699	5.22E-03	royalblue	0.41779	
<i>CD8A</i>	NM_171827	rs6662699	5.22E-03	royalblue	0.50880	
<i>CD9</i>	NM_001769	rs872460	8.34E-03	royalblue	0.51542	
<i>CDC42EP4</i>	NM_012121	rs11620883	6.07E-04	royalblue	0.50203	
<i>CDC6</i>	NM_001254	rs12053698	8.68E-04	royalblue	0.42863	
<i>CDC7</i>	NM_003503	rs1941436	5.56E-02	royalblue	0.38362	
<i>CDH1</i>	NM_004360	rs2137704	4.09E-03	royalblue	0.29972	
<i>CDK3</i>	NM_001258	rs6995985	6.34E-03	royalblue	0.21079	
<i>CDKL4</i>	NM_001009565	rs10888650	7.90E-04	royalblue	0.30461	
<i>CDKN1C</i>	NM_000076	rs11251532	3.96E-03	royalblue	0.34483	

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<i>CDKN2C</i>	NM_078626	rs1341980	2.14E-02	royalblue	0.50936	
<i>CER1</i>	NM_005454	rs11794846	2.27E-02	royalblue	0.08675	
<i>CFI</i>	NM_000204	rs12637194	2.03E-02	royalblue	0.90432	
<i>CGI-96</i>	NM_015703	NA	NA	royalblue	0.25343	
<i>CHEK2</i>	NM_007194	rs765709	5.76E-03	royalblue	0.38127	
<i>CHGB</i>	NM_001819	rs1836583	7.69E-03	royalblue	0.89412	
<i>CHRFAM7A</i>	NM_139320	rs1331894	6.96E-04	royalblue	0.50782	
<i>CHRNA1</i>	NM_001039523	rs1028304	7.65E-02	royalblue	0.34812	
<i>CHRNA7</i>	NM_000746	rs12407717	2.22E-03	royalblue	0.52302	autism
<i>CHST8</i>	NM_022467	rs1393109	1.17E-03	royalblue	0.22129	
<i>CHST9</i>	NM_031422	rs16910190	5.48E-04	royalblue	0.90023	
<i>CKAP2</i>	NM_018204	rs1321507	7.52E-04	royalblue	0.19190	
<i>CKMT2</i>	NM_001825	rs10514740	8.57E-03	royalblue	0.12128	
<i>CLDN23</i>	NM_194284	rs1876611	4.93E-03	royalblue	0.90140	
<i>CLEC4A</i>	NM_194448	rs962731	6.93E-04	royalblue	0.20598	
<i>CLSTN2</i>	NM_022131	rs1864003	3.42E-04	royalblue	0.67426	
<i>CLU</i>	NM_001831	rs11074865	5.19E-02	royalblue	0.37132	
<i>CLU</i>	NM_203339	rs11074865	5.19E-02	royalblue	0.96971	
<i>CMTM7</i>	NM_181472	rs533873	1.94E-03	royalblue	0.24165	
<i>CMTM8</i>	NM_178868	rs5927970	8.70E-04	royalblue	0.27287	
<i>CNGA3</i>	NM_001298	rs12789711	7.81E-03	royalblue	0.46681	
<i>CNGA3</i>	NM_001298	rs12789711	7.81E-03	royalblue	0.52351	
<i>CNTFR</i>	NM_147164	rs558317	2.00E-04	royalblue	0.29252	
<i>CNTFR</i>	NM_147164	rs558317	2.00E-04	royalblue	0.87817	
<i>CNTN6</i>	NM_014461	rs4640842	1.68E-04	royalblue	0.61464	
<i>COL16A1</i>	NM_001856	rs17508455	4.07E-04	royalblue	0.35194	
<i>COL22A1</i>	NM_152888	rs6892936	1.10E-03	royalblue	0.47187	
<i>COL27A1</i>	NM_032888	rs763229	6.19E-04	royalblue	0.40790	
<i>COL9A2</i>	NM_001852	rs2285427	1.31E-03	royalblue	0.48782	
<i>COL9A3</i>	NM_001853	rs4784182	1.09E-02	royalblue	0.58005	
<i>COLEC12</i>	NM_130386	rs4742002	5.89E-05	royalblue	0.91567	
<i>CORO2B</i>	NM_006091	rs11077554	5.15E-03	royalblue	0.41385	
<i>CPLX1</i>	NM_006651	rs11908221	9.26E-03	royalblue	0.87092	
<i>CPLX2</i>	NM_006650	rs11939600	2.09E-02	royalblue	0.46613	
<i>CPM</i>	NM_001005502	rs1550805	6.93E-03	royalblue	0.31842	
<i>CRABP2</i>	NM_001878	rs12621256	1.53E-03	royalblue	0.43776	
<i>CRB1</i>	NM_201253	rs1345529	2.04E-02	royalblue	0.85071	
<i>CRIM1</i>	NM_016441	rs752775	3.98E-03	royalblue	0.87108	
<i>CRIP1</i>	NM_001311	rs12370774	3.07E-02	royalblue	0.19404	
<i>CRISPLD1</i>	NM_031461	rs1817182	7.07E-04	royalblue	0.63804	
<i>CRTAC1</i>	NM_018058	rs7169026	1.96E-03	royalblue	0.51373	
<i>CRY1</i>	NM_004075	rs6726474	3.39E-03	royalblue	0.37888	
<i>CRYM</i>	NM_001888	rs1105377	9.75E-03	royalblue	0.45487	
<i>CSEN</i>	NM_013434	rs6834248	4.90E-03	royalblue	0.55772	
<i>CSF1</i>	NM_172212	rs7398343	1.51E-03	royalblue	0.24150	
<i>CSF1R</i>	NM_005211	rs500294	1.40E-05	royalblue	0.43497	
<i>CSNK2A1</i>	NM_177559	rs4742002	5.89E-05	royalblue	0.24362	
<i>CSPG4</i>	NM_001897	rs6566045	1.95E-05	royalblue	0.43838	
<i>CSRP2</i>	NM_001321	rs2068434	1.57E-02	royalblue	0.83728	

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<i>CSTF1</i>	NM_001324	rs17117895	8.40E-04	royalblue	0.13729	
<i>CTF8</i>	NM_001040144	NA	NA	royalblue	0.12302	
<i>CTSB</i>	NM_001908	rs1296025	4.06E-03	royalblue	0.81106	
<i>CTSF</i>	NM_003793	rs2275998	8.05E-03	royalblue	0.95352	
<i>CTTN</i>	NM_005231	rs11931604	3.70E-02	royalblue	0.33801	
<i>CUGBP2</i>	NM_001025076	NA	NA	royalblue	0.42852	
<i>CUL7</i>	NM_014780	rs1027413	2.09E-02	royalblue	0.33869	
<i>CUTL1</i>	NM_001913	NA	NA	royalblue	0.17479	
<i>CYP1B1</i>	NM_000104	rs12194275	3.66E-03	royalblue	0.28707	
<i>DACT1</i>	NM_016651	rs3772985	1.16E-02	royalblue	0.73440	
<i>DACT1</i>	NM_016651	rs3772985	1.16E-02	royalblue	0.72263	
<i>DACT2</i>	NM_214462	rs1412788	3.28E-02	royalblue	0.67961	
<i>DAPK1</i>	NM_004938	rs6551408	8.14E-03	royalblue	0.49797	autism
<i>DARC</i>	NM_002036	rs6921468	7.71E-02	royalblue	0.74199	
<i>DARS2</i>	NM_018122	rs2281486	1.90E-02	royalblue	0.50709	
<i>DAXX</i>	NM_001350	rs6462474	5.77E-03	royalblue	0.43801	
<i>DBC1</i>	NM_014618	rs7095989	5.20E-03	royalblue	0.94095	
<i>DBNDD1</i>	NM_001042610	rs2142195	2.46E-02	royalblue	0.76343	
<i>DCAMKL2</i>	NM_001040260	NA	NA	royalblue	0.89316	
<i>DCAMKL2</i>	NM_152619	NA	NA	royalblue	0.95253	
<i>DCBLD1</i>	NM_173674	rs6661142	5.24E-03	royalblue	0.62907	
<i>DCPS</i>	NM_014026	rs314961	1.16E-04	royalblue	0.26187	
<i>DDIT3</i>	NM_004083	rs991335	1.99E-02	royalblue	0.52828	
<i>DDX11</i>	NM_004399	rs221981	5.47E-03	royalblue	0.17823	
<i>DENND1A</i>	NM_024820	rs314946	7.77E-05	royalblue	0.14427	
<i>DERPC</i>	NM_017804	NA	NA	royalblue	0.34078	
<i>DGKG</i>	NM_001346	rs1558910	1.32E-02	royalblue	0.47963	
<i>DHCR7</i>	NM_001360	rs13416248	8.59E-03	royalblue	0.64992	autism
<i>DHDH</i>	NM_014475	rs12606138	6.48E-04	royalblue	0.45894	
<i>DHRS3</i>	NM_004753	rs1111059	2.46E-04	royalblue	0.96212	
<i>DIO3</i>	NM_001362	rs7986646	1.98E-02	royalblue	0.77304	
<i>DKFZP564J0863</i>	NM_015459	NA	NA	royalblue	0.67296	
<i>DKFZp586l1420</i>	NR_002186	rs261946	1.85E-02	royalblue	0.64184	
<i>DLAT</i>	NM_001931	rs2949000	7.91E-03	royalblue	0.42570	
<i>DLX2</i>	NM_004405	rs17726121	6.87E-03	royalblue	0.51661	autism
<i>DLX5</i>	NM_005221	rs10508029	2.42E-02	royalblue	0.76925	
<i>DNAH11</i>	NM_003777	rs12582514	2.64E-04	royalblue	0.34991	
<i>DNAH9</i>	NM_001372	rs2304402	1.24E-03	royalblue	0.31895	
<i>DNAH9</i>	NM_001372	rs2304402	1.24E-03	royalblue	0.07251	
<i>DNAJC1</i>	NM_022365	rs2473322	3.38E-03	royalblue	0.17057	
<i>DNAPT6</i>	NM_015535	NA	NA	royalblue	0.72756	
<i>DNASE1L2</i>	NM_001374	rs4430511	1.16E-02	royalblue	0.13275	
<i>DOCK1</i>	NM_001380	rs674768	2.96E-03	royalblue	0.37648	
<i>DOCK11</i>	NM_144658	NA	NA	royalblue	0.48236	
<i>DPAGT1</i>	NM_001382	rs7441935	5.88E-02	royalblue	0.27901	
<i>DSCR1L2</i>	NM_013441	NA	NA	royalblue	0.17605	
<i>DSCR2</i>	NM_003720	NA	NA	royalblue	0.41139	
<i>DSCR6</i>	NM_018962	rs218428	1.69E-02	royalblue	0.57819	
<i>DUSP23</i>	NM_017823	rs10081235	3.95E-02	royalblue	0.63842	

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<i>DUSP8</i>	NM_004420	rs2745580	1.20E-02	royalblue	0.57765
<i>EBP</i>	NM_006579	NA	NA	royalblue	0.86475
<i>ECGF1</i>	NM_001953	NA	NA	royalblue	0.35631
<i>EDG2</i>	NM_001401	NA	NA	royalblue	0.24875
<i>EDN3</i>	NM_207034	rs1755834	1.03E-03	royalblue	0.74945
<i>EFNB1</i>	NM_004429	NA	NA	royalblue	0.65644
<i>EHD2</i>	NM_014601	rs2257216	3.37E-03	royalblue	0.13834
<i>EIF2AK4</i>	NM_001013703	rs4290385	3.28E-03	royalblue	0.60840
<i>EIF3S8</i>	NM_001037808	NA	NA	royalblue	0.16945
<i>EIF4EBP1</i>	NM_004095	rs4290385	3.28E-03	royalblue	0.37139
<i>EIF5A</i>	NM_001970	rs724940	1.79E-02	royalblue	0.93764
<i>ELK3</i>	NM_005230	rs720183	1.27E-03	royalblue	0.39498
<i>EME1</i>	NM_152463	rs13033787	1.09E-02	royalblue	0.37839
<i>EMID1</i>	NM_133455	rs2831062	2.05E-03	royalblue	0.95757
<i>EMILIN2</i>	NM_032048	rs6793237	3.34E-03	royalblue	0.51449
<i>ENOSF1</i>	NM_017512	rs12222447	3.62E-03	royalblue	0.65003
<i>ENTPD6</i>	NM_001247	rs4820681	1.61E-03	royalblue	0.55749
<i>EPHB2</i>	NM_004442	rs940009	1.18E-03	royalblue	0.74479
<i>EPHB2</i>	NM_017449	rs940009	1.18E-03	royalblue	0.56398
<i>ERGIC1</i>	NM_001031711	rs792965	3.98E-02	royalblue	0.42908
<i>EXOSC4</i>	NM_019037	rs10499238	2.22E-02	royalblue	0.44153
<i>EXOSC5</i>	NM_020158	rs11702684	1.83E-03	royalblue	0.36296
<i>EXPH5</i>	NM_015065	rs8676	3.88E-03	royalblue	0.23540
<i>EYA2</i>	NM_005244	rs6066149	2.75E-03	royalblue	0.43908
<i>EYA2</i>	NM_172112	NA	NA	royalblue	0.96809
<i>F3</i>	NM_001993	rs10515226	1.80E-02	royalblue	0.65971
<i>FAM107B</i>	NM_031453	rs7304054	2.77E-03	royalblue	0.80906
<i>FAM20C</i>	XM_928334	NA	NA	royalblue	0.47256
<i>FAM35A</i>	NM_019054	rs277742	4.38E-03	royalblue	0.40020
<i>FAM46A</i>	NM_017633	rs17083964	7.74E-03	royalblue	0.73688
<i>FAM49A</i>	NM_030797	rs5992126	2.11E-03	royalblue	0.35074
<i>FAM72A</i>	NM_207418	NA	NA	royalblue	0.34026
<i>FAM86A</i>	NM_201400	rs1479478	2.00E-03	royalblue	0.66757
<i>FAM86A</i>	NM_201598	rs1479478	2.00E-03	royalblue	0.70161
<i>FANCB</i>	NM_001018113	NA	NA	royalblue	0.20711
<i>FANCC</i>	NM_000136	rs12640523	3.49E-04	royalblue	0.17521
<i>FANCD2</i>	NM_001018115	rs6432057	2.89E-03	royalblue	0.44682
<i>FANCG</i>	NM_004629	rs136206	6.58E-03	royalblue	0.57531
<i>FARP1</i>	NM_005766	rs1474620	1.64E-03	royalblue	0.61537
<i>FARP1</i>	NM_001001715	rs16894821	7.60E-03	royalblue	0.42252
<i>FARSLA</i>	NM_004461	NA	NA	royalblue	0.53275
<i>FBXL14</i>	NM_152441	rs2745580	1.20E-02	royalblue	0.31352
<i>FCGRT</i>	NM_004107	rs8003961	1.82E-03	royalblue	0.68562
<i>FCRLM1</i>	NM_032738	NA	NA	royalblue	0.41053
<i>FGF3</i>	NM_005247	rs9944985	2.33E-04	royalblue	0.61161
<i>FHOD3</i>	NM_025135	rs2124748	3.20E-05	royalblue	0.90098
<i>FKSG24</i>	NM_032683	NA	NA	royalblue	0.47798
<i>FLJ10081</i>	NM_017991	NA	NA	royalblue	0.70284
<i>FLJ10490</i>	NM_018111	NA	NA	royalblue	0.10412

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<i>FLJ10661</i>	NM_152563	NA	NA	royalblue	0.58931
<i>FLJ11171</i>	NM_018348	NA	NA	royalblue	0.64057
<i>FLJ14466</i>	NM_032790	NA	NA	royalblue	0.29776
<i>FLJ20035</i>	NM_017631	NA	NA	royalblue	0.40561
<i>FLJ20160</i>	NM_017694	NA	NA	royalblue	0.68006
<i>FLJ20516</i>	NM_017858	NA	NA	royalblue	0.46543
<i>FLJ22184</i>	XM_940456	NA	NA	royalblue	0.61379
<i>FLJ22349</i>	NM_024821	NA	NA	royalblue	0.19031
<i>FLJ25084</i>	NM_152792	NA	NA	royalblue	0.46456
<i>FLJ32745</i>	NM_144978	NA	NA	royalblue	0.66529
<i>FLJ36748</i>	NM_152406	NA	NA	royalblue	0.50674
<i>FLJ43806</i>	NM_201628	NA	NA	royalblue	0.45152
<i>FLJ90013</i>	NM_153365	NA	NA	royalblue	0.63161
<i>FLRT1</i>	NM_013280	rs7825567	6.08E-04	royalblue	0.83426
<i>FNDC5</i>	NM_153756	rs4799438	1.08E-02	royalblue	0.74313
<i>FRMD5</i>	NM_001031729	NA	NA	royalblue	0.62316
<i>FSD1</i>	NM_024333	rs16989445	8.12E-04	royalblue	0.36995
<i>FSD1</i>	NM_024333	rs16989445	8.12E-04	royalblue	0.34494
<i>FSD1</i>	NM_024333	rs16989445	8.12E-04	royalblue	0.33894
<i>FUT8</i>	NM_178154	rs5918959	5.22E-08	royalblue	0.48493
<i>FZD8</i>	NM_031866	rs1077644	1.27E-03	royalblue	0.65846
<i>G1P3</i>	NM_002038	rs11049169	1.86E-02	royalblue	0.74183
<i>G6PD</i>	NM_000402	NA	NA	royalblue	0.87997
<i>GABARAPL1</i>	NM_031412	rs2759630	4.12E-03	royalblue	0.59716
<i>GABRA5</i>	NM_000810	rs1910962	3.46E-03	royalblue	0.69589
<i>GALE</i>	NM_000403	rs12475813	1.12E-02	royalblue	0.39505
<i>GALE</i>	NM_000403	rs12475813	1.12E-02	royalblue	0.04832
<i>GALNT10</i>	NM_198321	rs10011174	3.13E-03	royalblue	0.69847
<i>GALNTL4</i>	NM_198516	rs7931254	1.71E-03	royalblue	0.34690
<i>GAS1</i>	NM_002048	rs7778127	2.63E-02	royalblue	0.21932
<i>GAS7</i>	NM_201432	rs3786095	1.84E-04	royalblue	0.24626
<i>GBP5</i>	NM_052942	rs7747355	2.33E-02	royalblue	0.31918
<i>GBX2</i>	NM_001485	rs1327896	2.30E-01	royalblue	0.29431
<i>GDF10</i>	NM_004962	rs8006920	1.24E-02	royalblue	0.57102
<i>GDPD2</i>	NM_017711	NA	NA	royalblue	0.90027
<i>GFAP</i>	NM_002055	rs1325545	4.05E-03	royalblue	0.94947
<i>GFRA2</i>	NM_001495	rs7318731	1.46E-03	royalblue	0.90129
<i>GIYD1</i>	NM_001014999	NA	NA	royalblue	0.40634
<i>GIYD1</i>	NM_001014999	NA	NA	royalblue	0.44747
<i>GLDC</i>	NM_000170	rs4813802	1.63E-04	royalblue	0.86798
<i>GLDN</i>	NM_181789	rs10484961	2.42E-03	royalblue	0.42200
<i>GLUL</i>	NM_001033044	rs767002	7.90E-02	royalblue	0.55134
<i>GMPPA</i>	NM_013335	rs13026308	8.26E-02	royalblue	0.65408
<i>GMPPA</i>	NM_205847	rs13026308	8.26E-02	royalblue	0.38746
<i>GMPPB</i>	NM_021971	rs9296619	1.78E-02	royalblue	0.76598
<i>GNA14</i>	NM_004297	rs7171517	2.38E-03	royalblue	0.80152
<i>GPATCH4</i>	NM_182679	rs4352688	1.24E-01	royalblue	0.56080
<i>GPC2</i>	NM_152742	rs17782474	2.82E-02	royalblue	0.37542
<i>GPI</i>	NM_000175	rs9369119	6.13E-04	royalblue	0.79481

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<i>GPR109B</i>	NM_006018	rs10066937	6.89E-02	royalblue	0.10416	
<i>GPR154</i>	NM_207172	NA	NA	royalblue	0.56863	
<i>GPR176</i>	NM_007223	rs7081464	1.72E-03	royalblue	0.63868	
<i>GPR177</i>	NM_001002292	NA	NA	royalblue	0.41679	
<i>GPR177</i>	NM_001002292	NA	NA	royalblue	0.79942	
<i>GPR177</i>	NM_024911	NA	NA	royalblue	0.96303	
<i>GPR30</i>	NM_001031682	NA	NA	royalblue	0.76442	
<i>GPR30</i>	NM_001039966	NA	NA	royalblue	0.67237	
<i>GPR30</i>	NM_001505	NA	NA	royalblue	0.21640	
<i>GPR37</i>	NM_005302	rs11785137	6.57E-02	royalblue	0.91562	
<i>GPX3</i>	NM_002084	rs496220	6.69E-02	royalblue	0.92931	
<i>GRAMD1C</i>	NM_017577	rs8453	4.20E-03	royalblue	0.21345	
<i>GRHL3</i>	NM_021180	rs12523750	1.53E-02	royalblue	0.35947	
<i>GRHL3</i>	NM_021180	rs12523750	1.53E-02	royalblue	0.32887	
<i>GRHL3</i>	NM_198173	rs12523750	1.53E-02	royalblue	0.13864	
<i>GRK4</i>	NM_001004057	rs8078781	1.59E-04	royalblue	0.46599	
<i>GRM8</i>	NM_000845	rs9401829	9.28E-04	royalblue	0.46391	autism
<i>GSTO1</i>	NM_004832	rs7792872	8.49E-03	royalblue	0.89670	
<i>GSTT2</i>	NM_000854	NA	NA	royalblue	0.21021	
<i>GUCY1A2</i>	NM_000855	rs2079135	1.00E-04	royalblue	0.72482	
<i>GUCY1B3</i>	NM_000857	rs451851	1.16E-02	royalblue	0.43213	
<i>GYG2</i>	NM_003918	NA	NA	royalblue	0.41291	
<i>GYS1</i>	NM_002103	rs12454023	7.90E-04	royalblue	0.19531	
<i>H3F3B</i>	NM_005324	rs17148885	3.61E-02	royalblue	0.92344	
<i>HCP1</i>	NM_080669	NA	NA	royalblue	0.45434	
<i>HERC1</i>	NM_003922	rs17828306	1.22E-03	royalblue	0.42023	
<i>HIF1A</i>	NM_181054	rs198432	7.23E-03	royalblue	0.24622	
<i>HIST1H3C</i>	NM_003531	rs7721783	9.63E-03	royalblue	0.27056	
<i>HIST3H2A</i>	NM_033445	rs6758183	1.44E-01	royalblue	0.31655	
<i>HK1</i>	NM_000188	rs13416248	8.59E-03	royalblue	0.22955	
<i>HKDC1</i>	NM_025130	rs4737995	1.48E-03	royalblue	0.31894	
<i>HMBS</i>	NM_000190	rs7441935	5.88E-02	royalblue	0.85446	
<i>HMBS</i>	NM_001024382	rs7441935	5.88E-02	royalblue	0.79773	
<i>HNT</i>	NM_016522	NA	NA	royalblue	0.69354	
<i>HOM-TES-103</i>	NM_080731	NA	NA	royalblue	0.38753	
<i>HPCA</i>	NM_002143	rs219208	1.12E-02	royalblue	0.23765	
<i>HRASLS3</i>	NM_007069	NA	NA	royalblue	0.78014	
<i>HSD11B1</i>	NM_181755	rs10804160	6.04E-03	royalblue	0.75367	autism
<i>HSD11B1</i>	NM_181755	rs10804160	6.04E-03	royalblue	0.62903	
<i>HSPC159</i>	NM_014181	rs7788331	1.15E-02	royalblue	0.15464	
<i>HTATIP</i>	NM_182709	NA	NA	royalblue	0.38573	
<i>HTATIP2</i>	NM_006410	rs4982360	8.06E-04	royalblue	0.58374	
<i>ICAM3</i>	NM_002162	rs17808345	4.98E-02	royalblue	0.88493	
<i>ID3</i>	NM_002167	rs2828169	1.35E-03	royalblue	0.78022	
<i>IDS</i>	NM_000202	NA	NA	royalblue	0.86456	
<i>IFI27</i>	NM_005532	rs13154274	1.86E-02	royalblue	0.31252	
<i>IFI6</i>	NM_022872	rs11049169	1.86E-02	royalblue	0.82612	
<i>IGSF4</i>	NM_014333	NA	NA	royalblue	0.87140	
<i>IL17RD</i>	NM_001080973	NA	NA	royalblue	0.60936	

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<i>IL18BP</i>	NM_173042	rs1967880	2.43E-02	royalblue	0.17923	
<i>IL1F7</i>	NM_014439	rs7798992	2.80E-02	royalblue	0.43325	
<i>IL7R</i>	NM_002185	rs8078319	1.68E-02	royalblue	0.17424	
<i>IMP4</i>	NM_033416	rs12776148	2.13E-02	royalblue	0.76808	
<i>INHBB</i>	NM_002193	rs10092747	7.74E-03	royalblue	0.91219	
<i>INSM1</i>	NM_002196	rs11624594	8.09E-04	royalblue	0.75222	
<i>ITGB3BP</i>	NM_014288	rs2877427	2.21E-03	royalblue	0.31853	
<i>ITGB4</i>	NM_001005731	rs1351419	4.06E-04	royalblue	0.61491	
<i>ITPA</i>	NM_033453	rs334763	8.24E-03	royalblue	0.64363	
<i>JAG2</i>	NM_002226	rs13124966	8.13E-03	royalblue	0.44063	
<i>JMJD1C</i>	NM_004241	rs17767008	2.02E-03	royalblue	0.42577	autism
<i>JMJD1C</i>	NM_032776	rs17767008	2.02E-03	royalblue	0.39495	
<i>K6HF</i>	NM_004693	NA	NA	royalblue	0.24352	
<i>KAL1</i>	NM_000216	NA	NA	royalblue	0.93192	
<i>KCND3</i>	NM_004980	rs475620	2.34E-03	royalblue	0.29489	
<i>KCNIP1</i>	NM_014592	rs7591026	6.64E-03	royalblue	0.95983	
<i>KCNIP4</i>	NM_001035004	rs579096	1.65E-04	royalblue	0.76652	
<i>KCNIP4</i>	NM_147182	rs579096	1.65E-04	royalblue	0.37469	
<i>KCNK10</i>	NM_021161	rs645063	4.75E-03	royalblue	0.88373	
<i>KCNK10</i>	NM_021161	rs645063	4.75E-03	royalblue	0.28886	
<i>KCNK2</i>	NM_001017425	rs17274552	1.30E-02	royalblue	0.94965	
<i>KCNN3</i>	NM_170782	rs1385253	2.14E-03	royalblue	0.71632	
<i>KCTD17</i>	NM_024681	rs2942382	3.35E-03	royalblue	0.16378	
<i>KDELC1</i>	NM_024089	rs10778237	1.41E-03	royalblue	0.44184	
<i>KDELR3</i>	NM_006855	rs9306949	1.63E-03	royalblue	0.53425	
<i>KDELR3</i>	NM_016657	rs9306949	1.63E-03	royalblue	0.87784	
<i>KDELR3</i>	NM_016657	rs9306949	1.63E-03	royalblue	0.15772	
<i>KIAA0241</i>	NM_015060	NA	NA	royalblue	0.31759	
<i>KIAA0274</i>	NM_014845	NA	NA	royalblue	0.56295	
<i>KIAA0513</i>	NM_014732	rs1452243	2.22E-02	royalblue	0.52011	
<i>KIAA1199</i>	NM_018689	rs7071575	2.75E-04	royalblue	0.43871	
<i>KIAA1217</i>	NM_019590	rs2975186	1.78E-03	royalblue	0.31133	
<i>KIAA1324</i>	NM_020775	rs944178	2.04E-03	royalblue	0.13899	
<i>KIAA1344</i>	NM_020784	NA	NA	royalblue	0.65120	
<i>KIAA1434</i>	NM_019593	NA	NA	royalblue	0.29222	
<i>KIAA1600</i>	NM_020940	NA	NA	royalblue	0.59194	
<i>KIAA1754L</i>	NM_001008949	NA	NA	royalblue	0.57887	
<i>KIAA1944</i>	NM_133448	NA	NA	royalblue	0.19035	
<i>KIAA1958</i>	NM_133465	rs959619	1.78E-03	royalblue	0.50114	
<i>KIAA2026</i>	NM_001017969	rs13257249	3.89E-03	royalblue	0.60004	
<i>KIF17</i>	NM_020816	rs510395	1.06E-02	royalblue	0.60382	
<i>KITLG</i>	NM_000899	rs9300794	6.56E-03	royalblue	0.34579	
<i>KLF9</i>	NM_001206	rs17780422	1.28E-03	royalblue	0.91456	
<i>KLHDC4</i>	NM_017566	rs4073109	2.66E-03	royalblue	0.56005	
<i>KLHL4</i>	NM_019117	NA	NA	royalblue	0.41688	
<i>KSP37</i>	NM_031950	NA	NA	royalblue	0.97076	
<i>LAMA2</i>	NM_000426	rs3807120	5.20E-04	royalblue	0.60344	
<i>LAMA4</i>	NM_002290	rs10817103	6.23E-03	royalblue	0.62372	
<i>LAMB1</i>	NM_002291	rs6943225	8.55E-03	royalblue	0.15687	autism

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<i>LASS4</i>	NM_024552	rs962731	6.93E-04	royalblue	0.29596	
<i>LDB2</i>	NM_001290	rs10508507	1.28E-03	royalblue	0.71305	
<i>LFNG</i>	NM_001040168	rs9663489	1.39E-02	royalblue	0.52882	
<i>LFNG</i>	NM_002304	rs9663489	1.39E-02	royalblue	0.83186	
<i>LIME1</i>	NM_017806	rs17828306	1.22E-03	royalblue	0.16590	
<i>LOC124512</i>	XM_940962	NA	NA	royalblue	0.62658	
<i>LOC138046</i>	NM_173848	NA	NA	royalblue	0.85339	
<i>LOC143543</i>	NR_002197	NA	NA	royalblue	0.14175	
<i>LOC150223</i>	NM_001017964	NA	NA	royalblue	0.40521	
<i>LOC158160</i>	NM_001031744	NA	NA	royalblue	0.67974	
<i>LOC158160</i>	NM_182829	NA	NA	royalblue	0.75054	
<i>LOC283377</i>	NM_207344	NA	NA	royalblue	0.71877	
<i>LOC283755</i>	NM_001024682	NA	NA	royalblue	0.43138	
<i>LOC283871</i>	NM_001042371	NA	NA	royalblue	0.32625	
<i>LOC284434</i>	NM_001007525	NA	NA	royalblue	0.88700	
<i>LOC349136</i>	NM_198285	NA	NA	royalblue	0.83635	
<i>LOC401152</i>	NM_001001701	NA	NA	royalblue	0.57259	
<i>LOC497190</i>	NM_001011880	NA	NA	royalblue	0.80311	
<i>LOC51334</i>	NM_016644	NA	NA	royalblue	0.81570	
<i>LOC650000</i>	XM_942166	NA	NA	royalblue	0.26555	
<i>LOC92196</i>	NM_001017920	NA	NA	royalblue	0.52754	
<i>LOX</i>	NM_002317	rs2715954	2.53E-02	royalblue	0.83505	
<i>LRFN5</i>	NM_152447	rs7955255	1.45E-03	royalblue	0.28214	autism
<i>LRRC4C</i>	NM_020929	rs3783167	2.13E-04	royalblue	0.41310	
<i>LRRTM4</i>	NM_024993	rs17100458	1.90E-03	royalblue	0.60477	
<i>LSS</i>	NM_001001438	rs2839159	6.83E-04	royalblue	0.16660	
<i>LTB4DH</i>	NM_012212	NA	NA	royalblue	0.70171	
<i>LTBP3</i>	NM_021070	rs11735072	2.52E-02	royalblue	0.89999	
<i>LY96</i>	NM_015364	rs2134837	8.66E-04	royalblue	0.72435	
<i>LYPD1</i>	NM_144586	rs6596148	2.00E-02	royalblue	0.41829	
<i>M-RIP</i>	NM_201274	NA	NA	royalblue	0.61448	
<i>MAFB</i>	NM_005461	rs17456364	9.15E-03	royalblue	0.92763	
<i>MAGI1</i>	NM_004742	rs11131036	7.78E-04	royalblue	0.32765	
<i>MAGI3</i>	NM_020965	NA	NA	royalblue	0.53597	
<i>MAMDC2</i>	NM_153267	rs7173049	7.74E-04	royalblue	0.92846	
<i>MAP3K14</i>	NM_003954	rs9369223	5.00E-03	royalblue	0.78817	
<i>MAP4K2</i>	NM_004579	rs17180532	3.75E-02	royalblue	0.79499	
<i>MAP7</i>	NM_003980	rs10496744	3.40E-03	royalblue	0.39092	
<i>MAPT</i>	NM_016834	rs10742587	2.09E-03	royalblue	0.54169	
<i>MASS1</i>	NM_032119	rs490812	1.44E-05	royalblue	0.36945	
<i>MATR3</i>	NM_199189	rs4825011	2.48E-02	royalblue	0.55868	
<i>MBNL2</i>	NM_207304	rs17685664	5.46E-04	royalblue	0.42968	
<i>MBOAT2</i>	NM_138799	rs11715608	8.31E-04	royalblue	0.51771	
<i>MC5R</i>	NM_005913	rs2114199	3.17E-03	royalblue	0.47872	
<i>MDGA1</i>	NM_153487	rs16994165	1.04E-03	royalblue	0.61957	
<i>ME3</i>	NM_006680	rs1529952	2.79E-04	royalblue	0.42604	
<i>MEGF10</i>	NM_032446	rs17165035	3.03E-03	royalblue	0.81471	
<i>METRN</i>	NM_024042	rs12222447	3.62E-03	royalblue	0.79524	
<i>MGC15416</i>	NM_138418	NA	NA	royalblue	0.42310	

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<i>MGC26856</i>	NM_152779	NA	NA	royalblue	0.48114
<i>MGC3101</i>	NM_024043	rs2142195	2.46E-02	royalblue	0.87803
<i>MGC34761</i>	NM_173619	NA	NA	royalblue	0.48029
<i>MGC5242</i>	NM_024033	NA	NA	royalblue	0.55366
<i>MGC61571</i>	NM_182523	NA	NA	royalblue	0.32343
<i>MGC70863</i>	NM_203302	NA	NA	royalblue	0.51703
<i>MGEA5</i>	NM_012215	rs11164767	6.55E-04	royalblue	0.82541
<i>MICB</i>	NM_005931	rs1279007	1.57E-02	royalblue	0.10283
<i>mimitin</i>	NM_174889	NA	NA	royalblue	0.39432
<i>MKKS</i>	NM_170784	rs280502	3.39E-02	royalblue	0.23307
<i>MLL3</i>	NM_170606	rs11687663	3.96E-04	royalblue	0.51251
<i>MLLT1</i>	NM_005934	rs749005	4.38E-03	royalblue	0.55018
<i>MMP16</i>	NM_022564	NA	NA	royalblue	0.25584
<i>MMRN1</i>	NM_007351	rs7068816	1.11E-02	royalblue	0.87610
<i>MN1</i>	NM_002430	rs9512503	1.41E-03	royalblue	0.54851
<i>MND1</i>	NM_032117	rs1881690	7.96E-04	royalblue	0.58302
<i>MOBK12B</i>	NM_024761	rs1555453	3.00E-03	royalblue	0.90020
<i>MPP4</i>	NM_033066	rs7519922	1.01E-01	royalblue	0.97093
<i>MPP6</i>	NM_016447	rs1910962	3.46E-03	royalblue	0.62128
<i>MPPED2</i>	NM_001584	rs4422383	2.46E-03	royalblue	0.72691
<i>MRE11A</i>	NM_005590	rs11107798	3.57E-02	royalblue	0.20992
<i>MRFAP1L1</i>	NM_152301	NA	NA	royalblue	0.72111
<i>MRPL19</i>	NM_014763	rs2013022	3.24E-02	royalblue	0.32319
<i>MRPL24</i>	NM_024540	rs799761	1.58E-02	royalblue	0.63786
<i>MRPL35</i>	NM_145644	rs10735255	1.01E-02	royalblue	0.79672
<i>MRPS18A</i>	NM_018135	rs1175222	9.94E-03	royalblue	0.56928
<i>MRPS34</i>	NM_023936	rs1124200	4.46E-03	royalblue	0.47859
<i>MRRF</i>	NM_138777	rs1011151	1.48E-03	royalblue	0.65995
<i>MT1F</i>	NM_005949	rs373532	3.49E-02	royalblue	0.58412
<i>MT1H</i>	NM_005951	rs1900418	3.10E-02	royalblue	0.12596
<i>MTFR1</i>	NM_014637	rs4856953	1.02E-02	royalblue	0.33024
<i>MTG1</i>	NM_138384	rs1467334	2.58E-02	royalblue	0.66056
<i>MTMR2</i>	NM_201281	rs6834248	4.90E-03	royalblue	0.59506
<i>MTSS1</i>	NM_014751	rs314946	7.77E-05	royalblue	0.83108
<i>MTTP</i>	NM_000253	rs4727484	9.33E-03	royalblue	0.50030
<i>MVK</i>	NM_000431	rs1036214	1.01E-02	royalblue	0.73232
<i>MYBPHL</i>	NM_001010985	rs7654972	1.09E-02	royalblue	0.80025
<i>MYCBP</i>	NM_012333	rs2317512	4.22E-02	royalblue	0.61399
<i>MYLIP</i>	NM_013262	rs10803414	1.93E-03	royalblue	0.42818
<i>MYLK</i>	NM_005965	NA	NA	royalblue	0.50983
<i>MYO5C</i>	NM_018728	rs2282751	9.49E-04	royalblue	0.62655
<i>MYOHD1</i>	NM_001033580	NA	NA	royalblue	0.52771
<i>MYT1</i>	NM_004535	rs3755827	7.47E-04	royalblue	0.97880
<i>NANOS1</i>	NM_199461	rs10787899	4.68E-02	royalblue	0.46305
<i>NCAM1</i>	NM_001076682	rs4839202	7.48E-04	royalblue	0.28550
<i>NCAM1</i>	NM_181351	rs4839202	7.48E-04	royalblue	0.63430
<i>NCAM2</i>	NM_004540	rs12582514	2.64E-04	royalblue	0.55480
<i>NCOA7</i>	NM_181782	rs10818964	7.06E-03	royalblue	0.59482
<i>NEDD4L</i>	NM_015277	rs12606138	6.48E-04	royalblue	0.84439

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<i>NEXN</i>	NM_144573	rs4708333	8.30E-04	royalblue	0.61750	
<i>NF2</i>	NM_181828	rs2831462	8.61E-05	royalblue	0.39105	
<i>NF2</i>	NM_181831	rs2831462	8.61E-05	royalblue	0.38071	
<i>NFIA</i>	NM_005595	rs7078432	3.23E-03	royalblue	0.45607	
<i>NFIC</i>	NM_005597	rs16844401	2.61E-03	royalblue	0.19780	
<i>NFIL3</i>	NM_005384	rs883121	7.10E-03	royalblue	0.53365	
<i>NFKB2</i>	NM_002502	rs4338031	2.79E-02	royalblue	0.23255	
<i>NINJ1</i>	NM_004148	rs43059	3.36E-02	royalblue	0.47104	
<i>NME1</i>	NM_198175	rs11702684	1.83E-03	royalblue	0.60916	
<i>NME2</i>	NM_001018138	rs11702684	1.83E-03	royalblue	0.33499	
<i>NME4</i>	NM_005009	rs7749710	2.85E-02	royalblue	0.74389	
<i>NMNAT3</i>	NM_178177	rs12641953	4.40E-05	royalblue	0.64403	
<i>NNAT</i>	NM_005386	rs7988209	1.93E-02	royalblue	0.89942	
<i>NNAT</i>	NM_005386	rs7988209	1.93E-02	royalblue	0.94594	
<i>NP</i>	NM_000270	NA	NA	royalblue	0.77939	
<i>NPAS2</i>	NM_002518	rs17611664	2.65E-03	royalblue	0.44314	autism
<i>NPPA</i>	NM_006172	rs210920	1.57E-02	royalblue	0.50646	
<i>NQO1</i>	NM_000903	rs17425781	5.38E-03	royalblue	0.96466	
<i>NR2E1</i>	NM_003269	rs537111	5.40E-05	royalblue	0.48943	
<i>NRGN</i>	NM_006176	rs1011151	1.48E-03	royalblue	0.67603	
<i>NRN1</i>	NM_016588	rs10775385	4.14E-03	royalblue	0.56383	
<i>NTHL1</i>	NM_002528	rs2108636	3.73E-03	royalblue	0.39391	
<i>NTNG2</i>	NM_032536	rs1377296	8.24E-03	royalblue	0.43804	
<i>NUDT22</i>	NM_032344	rs1059440	3.07E-03	royalblue	0.64778	
<i>NUP155</i>	NM_004298	rs2843964	3.45E-03	royalblue	0.39475	
<i>NXN</i>	NM_022463	rs7937869	1.25E-03	royalblue	0.76642	
<i>NYD-SP18</i>	NM_032599	NA	NA	royalblue	0.30179	
<i>OACT2</i>	XM_938724	NA	NA	royalblue	0.49147	
<i>OASL</i>	NM_003733	rs2064570	1.05E-02	royalblue	0.11806	
<i>OLFML3</i>	NM_020190	rs352074	2.39E-03	royalblue	0.92055	
<i>OLIG2</i>	NM_005806	rs1539849	2.47E-02	royalblue	0.81282	
<i>OPCML</i>	NM_001012393	rs9321351	8.08E-05	royalblue	0.30727	
<i>OPRS1</i>	NM_147160	NA	NA	royalblue	0.51255	
<i>OTOF</i>	NM_194248	rs12031946	6.41E-04	royalblue	0.14000	
<i>OXCT2</i>	NM_022120	rs16869484	1.46E-02	royalblue	0.44959	
<i>P2RX5</i>	NM_175081	rs12455601	2.10E-02	royalblue	0.20512	
<i>P2RY13</i>	NM_176894	rs17204376	6.22E-02	royalblue	0.17482	
<i>PAICS</i>	NM_006452	rs10160419	1.18E-02	royalblue	0.65587	
<i>PALM</i>	NM_002579	rs12222447	3.62E-03	royalblue	0.53863	
<i>PAPLN</i>	NM_173462	rs6919752	2.19E-02	royalblue	0.66029	
<i>PAPSS2</i>	NM_004670	rs12704506	2.99E-02	royalblue	0.71273	
<i>PARVB</i>	NM_013327	rs1981008	4.49E-03	royalblue	0.31013	
<i>PBX1</i>	NM_002585	rs3736200	9.21E-03	royalblue	0.50516	
<i>PC-3</i>	NM_001044264	NA	NA	royalblue	0.12494	
<i>PCDH17</i>	NM_014459	NA	NA	royalblue	0.44513	
<i>PCDH9</i>	NM_020403	rs10492203	5.23E-04	royalblue	0.34035	autism
<i>PCDHA2</i>	NM_031495	rs16910093	1.87E-02	royalblue	0.38611	
<i>PCDHB2</i>	NM_018936	rs11762357	1.14E-01	royalblue	0.91771	
<i>PCDHB4</i>	NM_018938	rs7722330	2.45E-01	royalblue	0.69190	

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<i>PCDHB9</i>	NM_019119	rs11924964	1.62E-01	royalblue	0.36368	
<i>PCDHGC3</i>	NM_002588	rs1584783	5.70E-05	royalblue	0.13160	
<i>PCGF2</i>	NM_007144	rs1994582	8.85E-03	royalblue	0.91965	
<i>PCNA</i>	NM_182649	rs4765803	4.53E-04	royalblue	0.26867	
<i>PCSK1N</i>	NM_013271	NA	NA	royalblue	0.93686	
<i>PCYT2</i>	NM_002861	rs1549118	2.16E-03	royalblue	0.50080	
<i>PDCD8</i>	NM_004208	NA	NA	royalblue	0.78635	
<i>PDCD8</i>	NM_004208	NA	NA	royalblue	0.37480	
<i>PDE8B</i>	NM_001029851	rs1176811	1.63E-03	royalblue	0.20888	
<i>PDGFD</i>	NM_025208	rs7543626	3.26E-04	royalblue	0.95325	
<i>PDGFD</i>	NM_025208	rs7543626	3.26E-04	royalblue	0.94471	
<i>PDGFRB</i>	NM_002609	rs6865659	3.97E-02	royalblue	0.76143	
<i>PDIA5</i>	NM_006810	rs2717233	1.79E-02	royalblue	0.96050	
<i>PDK3</i>	NM_005391	NA	NA	royalblue	0.44936	
<i>PELI2</i>	NM_021255	rs159076	9.14E-04	royalblue	0.98418	
<i>PGBD5</i>	NM_024554	rs1715826	6.87E-02	royalblue	0.86597	
<i>PGM5</i>	XM_936702	NA	NA	royalblue	0.34160	
<i>PHKA2</i>	NM_000292	NA	NA	royalblue	0.66290	
<i>PIPOX</i>	NM_016518	rs1394764	3.89E-03	royalblue	0.40822	
<i>PKIB</i>	NM_032471	rs7973103	2.61E-03	royalblue	0.88122	
<i>PKM2</i>	NM_002654	rs12883168	5.01E-03	royalblue	0.35973	
<i>PLA2G12A</i>	NM_030821	rs2158844	1.48E-03	royalblue	0.47095	
<i>PLA2G3</i>	NM_015715	rs12547428	6.04E-03	royalblue	0.83161	
<i>PLCB4</i>	NM_000933	rs7780856	9.27E-04	royalblue	0.33254	
<i>PLEKHA1</i>	NM_001001974	rs10934622	9.94E-05	royalblue	0.24507	
<i>PLEKHG4</i>	NM_015432	rs4883777	4.45E-02	royalblue	0.46538	
<i>PLTP</i>	NM_006227	rs1979470	1.64E-02	royalblue	0.92722	
<i>PLXNC1</i>	NM_005761	rs10991869	6.66E-03	royalblue	0.49323	
<i>PNCK</i>	NM_198452	NA	NA	royalblue	0.45049	
<i>PNKP</i>	NM_007254	rs17745017	3.69E-02	royalblue	0.64858	
<i>PNOC</i>	NM_006228	rs2092018	2.59E-03	royalblue	0.94234	
<i>POLA2</i>	NM_002689	rs11923135	2.07E-02	royalblue	0.72620	
<i>POLE4</i>	NM_019896	rs2134837	8.66E-04	royalblue	0.73141	
<i>POLR2J</i>	NM_006234	rs17548007	3.13E-02	royalblue	0.33499	
<i>POLR3G</i>	NM_006467	rs11743030	4.05E-06	royalblue	0.19167	
<i>POLR3K</i>	NM_016310	rs11542478	1.10E-02	royalblue	0.49862	
<i>POU3F4</i>	NM_000307	NA	NA	royalblue	0.36288	
<i>PPARGC1A</i>	NM_013261	rs4346460	1.56E-03	royalblue	0.55649	
<i>PPGB</i>	NM_000308	NA	NA	royalblue	0.65200	
<i>PPM1B</i>	NM_001033556	rs1984192	5.50E-04	royalblue	0.26349	
<i>PPM1G</i>	NM_177983	rs4923447	1.03E-02	royalblue	0.21624	
<i>PPY</i>	NM_002722	rs7292804	3.12E-02	royalblue	0.58718	
<i>PRDM16</i>	NM_022114	rs8078781	1.59E-04	royalblue	0.54541	
<i>PRIM1</i>	NM_000946	rs7174662	5.01E-04	royalblue	0.74663	
<i>PRIM2A</i>	NM_000947	NA	NA	royalblue	0.30386	
<i>PRKCB1</i>	NM_002738	NA	NA	royalblue	0.84335	autism
<i>PRKCB1</i>	NM_212535	NA	NA	royalblue	0.38975	
<i>PRKCB1</i>	NM_212535	NA	NA	royalblue	0.57941	
<i>PRKCQ</i>	NM_006257	rs4813802	1.63E-04	royalblue	0.51633	

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<i>PRKX</i>	NM_005044	NA	NA	royalblue	0.56530	
<i>PRPS2</i>	NM_002765	NA	NA	royalblue	0.62776	
<i>PRRX1</i>	NM_006902	rs4131005	1.86E-03	royalblue	0.41739	
<i>PSD3</i>	NM_206909	rs2717756	3.20E-04	royalblue	0.41028	
<i>PSMC3IP</i>	NM_016556	rs4290385	3.28E-03	royalblue	0.41667	
<i>PTGS1</i>	NM_080591	rs11785137	6.57E-02	royalblue	0.70313	
<i>PTK2B</i>	NM_173176	rs967144	1.52E-03	royalblue	0.37498	
<i>PTPRK</i>	NM_002844	rs9827714	2.48E-04	royalblue	0.62817	
<i>PTPRO</i>	NM_030671	rs4416821	2.73E-03	royalblue	0.88774	
<i>PTPRT</i>	NM_007050	rs3783167	2.13E-04	royalblue	0.67231	
<i>PXN</i>	NM_002859	rs1688615	1.33E-03	royalblue	0.23889	
<i>PYGB</i>	NM_002862	rs12893752	8.55E-03	royalblue	0.43978	
<i>PYGL</i>	NM_002863	rs913465	3.20E-03	royalblue	0.19669	
<i>QPCTL</i>	NM_017659	rs3914729	1.70E-03	royalblue	0.80748	
<i>RAB32</i>	NM_006834	rs2673862	2.98E-02	royalblue	0.53385	
<i>RAD51L3</i>	NM_002878	rs4422383	2.46E-03	royalblue	0.25969	
<i>RAD51L3</i>	NM_002878	rs4422383	2.46E-03	royalblue	0.50378	
<i>RAD54B</i>	NM_012415	rs11626041	5.00E-03	royalblue	0.63254	
<i>RANBP1</i>	NM_002882	rs2717756	3.20E-04	royalblue	0.46191	
<i>RANGAP1</i>	NM_002883	rs704787	1.07E-02	royalblue	0.90291	
<i>RARRES3</i>	NM_004585	rs10274542	2.63E-02	royalblue	0.96740	
<i>RASA3</i>	NM_007368	rs9855853	7.41E-04	royalblue	0.64338	
<i>RASAL2</i>	NM_004841	rs3116565	7.72E-02	royalblue	0.33363	
<i>RASD1</i>	NM_016084	rs12408879	1.49E-02	royalblue	0.97743	
<i>RASGRF2</i>	NM_006909	rs12574041	4.77E-04	royalblue	0.76943	
<i>RASGRP3</i>	NM_170672	rs10941060	6.61E-03	royalblue	0.42296	
<i>RASL11B</i>	NM_023940	rs6838718	5.14E-03	royalblue	0.60806	
<i>RBM33</i>	NM_001008408	NA	NA	royalblue	0.61194	
<i>RBMS2</i>	NM_002898	rs1461796	1.11E-03	royalblue	0.56783	
<i>RBP1</i>	NM_002899	rs9698057	6.58E-03	royalblue	0.84744	
<i>RCBTB2</i>	NM_001268	rs12902281	1.29E-02	royalblue	0.81455	
<i>RCOR2</i>	NM_173587	rs4253945	4.53E-02	royalblue	0.54539	
<i>RDBP</i>	NM_002904	rs631108	2.14E-03	royalblue	0.57851	
<i>RDH5</i>	NM_002905	rs17117895	8.40E-04	royalblue	0.79465	
<i>RECQL</i>	NM_002907	rs12582514	2.64E-04	royalblue	0.34324	
<i>REEP4</i>	NM_025232	rs10022239	5.45E-03	royalblue	0.43565	
<i>RERE</i>	NM_012102	rs10758979	3.28E-03	royalblue	0.36297	
<i>RERE</i>	NM_012102	rs10758979	3.28E-03	royalblue	0.40661	
<i>RFC2</i>	NM_181471	rs11626364	1.12E-02	royalblue	0.61809	
<i>RGS12</i>	NM_002926	rs9854706	2.71E-03	royalblue	0.79442	
<i>RGS19</i>	NM_005873	rs11668315	1.08E-02	royalblue	0.82343	
<i>RHBDL1</i>	NM_003961	rs2606246	9.69E-03	royalblue	0.58708	
<i>RIC3</i>	NM_024557	rs6638761	3.62E-03	royalblue	0.62611	
<i>RIMS3</i>	NM_014747	rs887496	1.09E-02	royalblue	0.92791	autism
<i>RNF128</i>	NM_024539	NA	NA	royalblue	0.60002	
<i>ROBO2</i>	NM_002942	rs10162548	1.37E-03	royalblue	0.84665	
<i>ROM1</i>	NM_000327	rs7827230	1.68E-02	royalblue	0.54295	
<i>RPL13</i>	NM_033251	rs9310061	4.85E-02	royalblue	0.52016	
<i>RPL14</i>	NM_001034996	rs2852753	2.88E-02	royalblue	0.19890	

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<i>RPL23A</i>	NM_000984	rs13435868	2.54E-02	royalblue	0.33125	
<i>RPL36</i>	NM_015414	rs1430004	9.11E-03	royalblue	0.45015	
<i>RPL8</i>	NM_033301	rs445122	1.02E-01	royalblue	0.86477	
<i>RPP25</i>	NM_017793	rs1481853	4.93E-03	royalblue	0.80286	
<i>RPS24</i>	NM_001026	rs228513	1.18E-02	royalblue	0.67025	
<i>RPS6KA2</i>	NM_021135	rs355186	2.61E-03	royalblue	0.40305	autism
<i>RPS6KA2</i>	NM_021135	rs355186	2.61E-03	royalblue	0.66595	
<i>RRAGB</i>	NM_006064	NA	NA	royalblue	0.67387	
<i>RSBN1</i>	NM_018364	rs9374425	3.99E-03	royalblue	0.86623	
<i>RSU1</i>	NM_152724	rs4321183	9.42E-04	royalblue	0.27206	
<i>RTKN</i>	NM_001015056	rs6700161	2.10E-02	royalblue	0.42532	
<i>RTN1</i>	NM_021136	rs6850334	2.73E-05	royalblue	0.62568	
<i>RUVBL1</i>	NM_003707	rs3807120	5.20E-04	royalblue	0.82142	
<i>S100A11</i>	NM_005620	rs12209310	5.99E-02	royalblue	0.73503	
<i>S100A13</i>	NM_001024210	rs2071262	5.24E-03	royalblue	0.22408	
<i>SAMD9L</i>	NM_152703	rs1374475	2.70E-03	royalblue	0.51128	
<i>SATB1</i>	NM_002971	rs4832433	2.86E-03	royalblue	0.12690	
<i>SCD5</i>	NM_001037582	rs11139500	1.35E-03	royalblue	0.35749	
<i>SCFD2</i>	NM_152540	rs2397376	4.77E-04	royalblue	0.52420	autism
<i>SCGN</i>	NM_006998	rs4787774	2.93E-03	royalblue	0.94059	
<i>SCLY</i>	NM_016510	rs2152556	6.56E-02	royalblue	0.42837	
<i>SCUBE2</i>	NM_020974	rs11715608	8.31E-04	royalblue	0.53262	
<i>SELENBP1</i>	NM_003944	rs11938874	8.23E-03	royalblue	0.71884	
<i>SEMA5B</i>	NM_001031702	rs10934622	9.94E-05	royalblue	0.98899	
<i>SERINC2</i>	NM_178865	rs9567440	2.15E-02	royalblue	0.24671	
<i>SERPINA3</i>	NM_001085	rs279968	1.04E-02	royalblue	0.85798	
<i>SERTAD4</i>	NM_019605	rs1473696	6.71E-02	royalblue	0.51253	
<i>SESN3</i>	NM_144665	rs11021062	3.33E-04	royalblue	0.36373	
<i>SETBP1</i>	NM_015559	rs764444	9.46E-04	royalblue	0.48310	
<i>SEZ6</i>	NM_178860	rs9809320	1.75E-02	royalblue	0.43073	
<i>SFXN2</i>	NM_178858	rs9655780	4.57E-02	royalblue	0.38208	
<i>SGK</i>	NM_005627	NA	NA	royalblue	0.80440	
<i>SH3BGRL2</i>	NM_031469	rs4945473	3.91E-03	royalblue	0.96889	
<i>SH3D19</i>	NM_001009555	rs10952377	4.47E-03	royalblue	0.48195	
<i>SH3PXD2B</i>	NM_001017995	rs17283355	5.62E-03	royalblue	0.40234	
<i>SHC1</i>	NM_183001	rs2239466	2.27E-03	royalblue	0.42501	
<i>SHD</i>	NM_020209	rs12248154	4.03E-03	royalblue	0.80325	
<i>SHKBP1</i>	NM_138392	rs393569	1.14E-02	royalblue	0.42026	
<i>SHQ1</i>	NM_018130	rs7618979	3.44E-03	royalblue	0.61898	
<i>SIPA1</i>	NM_1532538	NA	NA	royalblue	0.12950	
<i>SIPA1</i>	NM_1532538	NA	NA	royalblue	0.43116	
<i>SKP2</i>	NM_005983	rs4833144	1.24E-04	royalblue	0.66039	
<i>SKP2</i>	NM_032637	rs4833144	1.24E-04	royalblue	0.53215	
<i>SLC13A5</i>	NM_177550	rs6597220	2.26E-02	royalblue	0.84157	
<i>SLC16A9</i>	NM_194298	rs6011530	1.02E-03	royalblue	0.90572	
<i>SLC17A8</i>	NM_139319	rs7016814	5.29E-03	royalblue	0.34195	
<i>SLC19A1</i>	NM_003056	NA	NA	royalblue	0.51488	
<i>SLC22A18</i>	NM_002555	rs11251532	3.96E-03	royalblue	0.83015	
<i>SLC25A10</i>	NM_012140	rs11622293	4.00E-03	royalblue	0.50534	

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<i>SLC26A6</i>	NM_134426	rs752870	3.68E-02	royalblue	0.30717	
<i>SLC26A6</i>	NM_134426	rs752870	3.68E-02	royalblue	0.14009	
<i>SLC26A7</i>	NM_052832	rs9294508	2.68E-03	royalblue	0.55932	
<i>SLC29A1</i>	NM_004955	rs4942369	8.99E-03	royalblue	0.39297	
<i>SLC29A2</i>	NM_001532	rs264682	5.46E-02	royalblue	0.30603	
<i>SLC2A13</i>	NM_052885	rs2154778	8.11E-04	royalblue	0.25733	
<i>SLC2A5</i>	NM_003039	rs11715608	8.31E-04	royalblue	0.81716	
<i>SLC2A6</i>	NM_017585	rs4625063	1.04E-03	royalblue	0.81130	
<i>SLC35F2</i>	NM_017515	rs502398	6.69E-05	royalblue	0.53903	
<i>SLC38A1</i>	NM_030674	rs718798	1.35E-03	royalblue	0.55155	
<i>SLC38A1</i>	NM_030674	rs718798	1.35E-03	royalblue	0.43452	
<i>SLC43A3</i>	NM_017611	rs10489618	3.84E-02	royalblue	0.42454	
<i>SLC43A3</i>	NM_199329	rs10489618	3.84E-02	royalblue	0.12804	
<i>SLC44A1</i>	NM_022109	NA	NA	royalblue	0.92744	
<i>SLC44A5</i>	NM_152697	rs2160880	1.85E-03	royalblue	0.59638	
<i>SLC6A11</i>	NM_014229	rs1807318	3.84E-04	royalblue	0.14264	
<i>SLC6A20</i>	NM_020208	rs13033787	1.09E-02	royalblue	0.10989	
<i>SLC6A20</i>	NM_020208	rs13033787	1.09E-02	royalblue	0.48470	
<i>SLC8A3</i>	NM_183002	rs17086457	8.19E-04	royalblue	0.63020	
<i>SLC9A9</i>	NM_173653	rs879740	4.60E-03	royalblue	0.84129	autism
<i>SLCO4A1</i>	NM_016354	rs1574119	7.14E-03	royalblue	0.45441	
<i>SMAD6</i>	NM_005585	rs10132229	9.16E-03	royalblue	0.44392	
<i>SMOC2</i>	NM_022138	rs10936537	2.50E-05	royalblue	0.71663	
<i>SMYD3</i>	NM_022743	rs10924537	2.01E-02	royalblue	0.79387	
<i>SNCA</i>	NM_000345	rs17731311	1.02E-03	royalblue	0.78856	
<i>SNCA</i>	NM_007308	rs17731311	1.02E-03	royalblue	0.89367	
<i>SNF1LK</i>	NM_173354	NA	NA	royalblue	0.68980	
<i>SNTG1</i>	NM_018967	rs1028145	8.24E-05	royalblue	0.74060	
<i>SNX5</i>	NM_152227	rs7119188	5.06E-04	royalblue	0.76742	
<i>SOCS2</i>	NM_003877	rs1015197	7.48E-03	royalblue	0.88713	
<i>SORD</i>	NM_003104	rs1027413	2.09E-02	royalblue	0.48750	
<i>SORT1</i>	NM_002959	rs1811388	3.70E-03	royalblue	0.76989	
<i>SPAG9</i>	NM_172345	NA	NA	royalblue	0.52347	
<i>SPATA13</i>	NM_153023	rs2828169	1.35E-03	royalblue	0.23555	
<i>SPATA6</i>	NM_019073	rs2255532	1.51E-03	royalblue	0.62632	
<i>SPC25</i>	NM_020675	rs13215678	1.92E-02	royalblue	0.52052	
<i>SPEN</i>	NM_015001	rs17487930	1.01E-02	royalblue	0.55765	
<i>SPON1</i>	NM_006108	rs11023030	1.12E-03	royalblue	0.98731	
<i>SRD5A1</i>	NM_001047	rs1054060	4.04E-03	royalblue	0.67696	
<i>SRPX2</i>	NM_014467	NA	NA	royalblue	0.78862	
<i>SSBP3</i>	NM_018070	rs2126756	7.34E-03	royalblue	0.71864	
<i>SSH2</i>	NM_033389	rs859202	5.28E-04	royalblue	0.57575	
<i>SSSCA1</i>	NM_006396	rs11735072	2.52E-02	royalblue	0.54935	
<i>ST18</i>	NM_014682	rs10418719	8.32E-04	royalblue	0.84101	
<i>ST3GAL6</i>	NM_006100	rs11613360	3.74E-03	royalblue	0.52512	
<i>ST6GALNAC5</i>	NM_030965	rs10162548	1.37E-03	royalblue	0.34181	
<i>STAC2</i>	NM_198993	rs9292557	1.94E-03	royalblue	0.44235	
<i>STAT4</i>	NM_003151	rs7601754	5.94E-03	royalblue	0.44836	
<i>STC1</i>	NM_003155	rs2828169	1.35E-03	royalblue	0.90289	

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<i>STIM1</i>	NM_003156	rs13338087	2.44E-03	royalblue	0.43799
<i>STXBP6</i>	NM_014178	rs9553499	2.13E-03	royalblue	0.98761
<i>SULF1</i>	NM_015170	rs902726	1.23E-03	royalblue	0.96785
<i>SUSD4</i>	NM_001037175	rs851212	1.69E-02	royalblue	0.64704
<i>SYDE1</i>	NM_033025	rs433463	6.55E-03	royalblue	0.64918
<i>SYT6</i>	NM_205848	rs12201804	2.28E-03	royalblue	0.92277
<i>SYTL5</i>	NM_138780	NA	NA	royalblue	0.48422
<i>TAC3</i>	NM_001006667	NA	NA	royalblue	0.85804
<i>TAGLN2</i>	NM_003564	rs1432679	1.85E-02	royalblue	0.73951
<i>TARBP2</i>	NM_134324	rs2456207	4.36E-03	royalblue	0.53124
<i>TBC1D9</i>	NM_015130	rs253438	2.11E-04	royalblue	0.50010
<i>TCEB3</i>	NM_003198	rs9965582	1.61E-03	royalblue	0.47487
<i>TCF4</i>	NM_003199	rs8017705	3.36E-03	royalblue	0.55462
<i>TCN2</i>	NM_000355	rs2175835	1.03E-02	royalblue	0.33154
<i>TCP1</i>	NM_030752	rs1604643	2.52E-03	royalblue	0.60985
<i>TEAD4</i>	NM_003213	rs8078781	1.59E-04	royalblue	0.17707
<i>TEAD4</i>	NM_201441	rs8078781	1.59E-04	royalblue	0.59790
<i>TF</i>	NM_001063	rs6430516	3.38E-02	royalblue	1.00000
<i>TFB1M</i>	NM_016020	rs2209354	9.46E-04	royalblue	0.63214
<i>TFPI</i>	NM_006287	rs172818	1.03E-03	royalblue	0.81167
<i>TFPI</i>	NM_001032281	rs322405	8.35E-03	royalblue	0.56206
<i>TGFB111</i>	NM_015927	rs207410	2.15E-02	royalblue	0.43863
<i>THBS4</i>	NM_003248	rs7171517	2.38E-03	royalblue	0.52057
<i>THG1L</i>	NM_017872	rs9307938	3.87E-06	royalblue	0.23898
<i>TIAM2</i>	NM_001010927	rs2209354	9.46E-04	royalblue	0.97464
<i>TIMM8A</i>	NM_004085	NA	NA	royalblue	0.19996
<i>TJP2</i>	NM_004817	rs212165	2.00E-03	royalblue	0.16068
<i>TLE4</i>	NM_007005	rs4842935	3.19E-03	royalblue	0.34166
<i>TM4SF1</i>	NM_014220	rs10935749	8.41E-02	royalblue	0.97038
<i>TM4SF18</i>	NM_138786	rs9831865	7.15E-03	royalblue	0.68914
<i>TMEM100</i>	NM_018286	rs6561644	2.03E-02	royalblue	0.25008
<i>TMEM109</i>	NM_024092	rs1570023	6.84E-02	royalblue	0.82149
<i>TMEM154</i>	NM_152680	rs10752611	4.22E-02	royalblue	0.86057
<i>TMEM46</i>	NM_001007538	NA	NA	royalblue	0.90694
<i>TMEM48</i>	NM_018087	rs17232701	1.79E-03	royalblue	0.53202
<i>TMEM51</i>	NM_018022	rs6921502	4.85E-03	royalblue	0.45939
<i>TMEM55A</i>	NM_018710	rs17265668	4.76E-03	royalblue	0.43637
<i>TMEM64</i>	NM_001008495	rs10010423	2.32E-02	royalblue	0.40550
<i>TMEM71</i>	NM_144649	rs10165601	9.66E-03	royalblue	0.41829
<i>TMEM86A</i>	NM_153347	rs801521	2.36E-03	royalblue	0.31155
<i>TMEM88</i>	NM_203411	rs7202021	7.38E-03	royalblue	0.36695
<i>TMEM91</i>	NM_001042595	rs6609437	2.19E-02	royalblue	0.33119
<i>TMEM97</i>	NM_014573	rs2116227	5.35E-03	royalblue	0.90303
<i>TMPRSS5</i>	NM_030770	rs6537756	2.18E-02	royalblue	0.67864
<i>TMPRSS7</i>	XM_938469	NA	NA	royalblue	0.25868
<i>TMTC2</i>	NM_152588	rs1079242	1.06E-03	royalblue	0.58720
<i>TMTC4</i>	NM_032813	rs6706188	3.31E-03	royalblue	0.59321
<i>TMTC4</i>	NM_032813	rs6706188	3.31E-03	royalblue	0.63819
<i>TNFAIP8</i>	NM_001077654	rs2782209	2.02E-03	royalblue	0.44496

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<i>TNFRSF10A</i>	NM_003844	rs5970701	2.73E-03	royalblue	0.33935
<i>TNRC4</i>	NM_007185	NA	NA	royalblue	0.89344
<i>TNRC9</i>	NM_001080430	NA	NA	royalblue	0.90432
<i>TNS1</i>	NM_022648	rs3791943	2.91E-03	royalblue	0.81444
<i>TNS3</i>	NM_022748	rs7324484	1.04E-03	royalblue	0.80304
<i>TOLLIP</i>	NM_019009	rs4975596	1.69E-03	royalblue	0.62127
<i>TP53I11</i>	NM_006034	rs718798	1.35E-03	royalblue	0.34425
<i>TPM2</i>	NM_003289	rs12471144	3.83E-03	royalblue	0.89733
<i>TPM3</i>	NM_153649	rs2870518	1.16E-02	royalblue	0.55227
<i>TPP1</i>	NM_000391	rs2555141	2.76E-04	royalblue	0.90899
<i>TRAF7</i>	NM_032271	rs6972752	7.25E-03	royalblue	0.23664
<i>TRIM13</i>	NM_001007278	rs6987448	2.62E-03	royalblue	0.31509
<i>TRIM5</i>	NM_033034	rs1430004	9.11E-03	royalblue	0.53867
<i>TRIM5</i>	NM_033093	rs1430004	9.11E-03	royalblue	0.68832
<i>TRIM52</i>	NM_032765	rs767002	7.90E-02	royalblue	0.25519
<i>TRIP10</i>	NM_004240	rs1054060	4.04E-03	royalblue	0.64130
<i>TRO</i>	NM_177557	NA	NA	royalblue	0.53699
<i>TRPM3</i>	NM_001007470	rs1192250	1.34E-03	royalblue	0.49640
<i>TRUB2</i>	NM_015679	rs7301892	3.88E-04	royalblue	0.27925
<i>TSPAN14</i>	NM_030927	rs12828323	8.19E-03	royalblue	0.36964
<i>TSPAN15</i>	NM_012339	rs1002171	8.07E-03	royalblue	0.60119
<i>TSPYL2</i>	NM_022117	NA	NA	royalblue	0.51863
<i>TSRC1</i>	NM_025008	NA	NA	royalblue	0.50291
<i>TSRC1</i>	NM_025008	NA	NA	royalblue	0.33227
<i>TTC14</i>	NM_133462	rs966299	6.80E-02	royalblue	0.40826
<i>TTC14</i>	NM_133462	rs966299	6.80E-02	royalblue	0.32345
<i>TTLL12</i>	NM_015140	rs9999533	8.95E-03	royalblue	0.55786
<i>TTLL3</i>	NM_015644	NA	NA	royalblue	0.23517
<i>TXNIP</i>	NM_006472	rs5966481	7.94E-02	royalblue	0.52626
<i>UBE1</i>	NM_153280	NA	NA	royalblue	0.26894
<i>UBE2L6</i>	NM_198183	rs7544695	9.77E-03	royalblue	0.27960
<i>UCHL5</i>	NM_015984	rs2286896	8.31E-02	royalblue	0.69498
<i>UIP1</i>	NM_207107	NA	NA	royalblue	0.35943
<i>UNG</i>	NM_080911	rs4397377	1.43E-02	royalblue	0.43485
<i>UNQ3045</i>	NM_207409	NA	NA	royalblue	0.45937
<i>UNQ5810</i>	NM_207384	NA	NA	royalblue	0.48433
<i>UPB1</i>	NM_016327	rs7218952	1.98E-03	royalblue	0.48889
<i>URP2</i>	NM_031471	NA	NA	royalblue	0.14234
<i>VISA</i>	NM_020746	NA	NA	royalblue	0.31798
<i>VLDLR</i>	NM_001018056	rs16870061	6.02E-03	royalblue	0.71924
<i>VMP</i>	NM_080723	NA	NA	royalblue	0.81329
<i>VPS13B</i>	NM_017890	rs1567663	1.52E-03	royalblue	0.25087
<i>VPS13D</i>	NM_015378	rs16858854	3.01E-03	royalblue	0.45468
<i>VPS41</i>	NM_014396	rs1393109	1.17E-03	royalblue	0.46096
<i>VPS41</i>	NM_014396	rs1393109	1.17E-03	royalblue	0.28934
<i>VRK1</i>	NM_003384	rs772161	1.19E-03	royalblue	0.63769
<i>VWCE</i>	NM_152718	rs13379701	2.08E-02	royalblue	0.50015
<i>WBSCR17</i>	NM_022479	rs1544442	1.08E-03	royalblue	0.59474
<i>WBSCR27</i>	NM_152559	rs7099452	2.00E-02	royalblue	0.47921

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<i>WDR12</i>	NM_018256	rs17406900	2.45E-01	royalblue	0.90662
<i>WDR67</i>	NM_145647	rs10934622	9.94E-05	royalblue	0.36036
<i>WNK2</i>	NM_006648	rs4379388	1.23E-03	royalblue	0.70345
<i>WNK4</i>	NM_032387	rs2609463	6.34E-03	royalblue	0.85975
<i>XKR8</i>	NM_018053	rs1389155	7.18E-03	royalblue	0.56024
<i>XRCC3</i>	NM_005432	rs12314194	3.33E-03	royalblue	0.65242
<i>XTP3TPA</i>	NM_024096	NA	NA	royalblue	0.66651
<i>YAF2</i>	NM_001012424	NA	NA	royalblue	0.63185
<i>YWHAB</i>	NM_003404	rs7558605	1.43E-02	royalblue	0.54893
<i>ZMYND11</i>	NM_212479	rs727056	2.01E-03	royalblue	0.32596
<i>ZNF10</i>	NM_015394	rs10488211	1.78E-02	royalblue	0.55750
<i>ZNF135</i>	NM_003436	rs4557294	3.45E-03	royalblue	0.61018
<i>ZNF235</i>	NM_004234	rs6987448	2.62E-03	royalblue	0.39828
<i>ZNF254</i>	NM_004876	NA	NA	royalblue	0.48030
<i>ZNF264</i>	NM_003417	rs6551665	1.34E-03	royalblue	0.37854
<i>ZNF274</i>	NM_016324	rs7145302	2.64E-02	royalblue	0.70198
<i>ZNF287</i>	NM_020653	rs12740413	3.85E-03	royalblue	0.45904
<i>ZNF300</i>	NM_052860	rs5970014	4.51E-02	royalblue	0.51747
<i>ZNF346</i>	NM_012279	rs7615453	7.38E-03	royalblue	0.21528
<i>ZNF350</i>	NM_021632	rs950844	1.89E-02	royalblue	0.46468
<i>ZNF395</i>	NM_018660	rs2092018	2.59E-03	royalblue	0.87731
<i>ZNF471</i>	NM_020813	rs17291829	2.46E-02	royalblue	0.44677
<i>ZNF493</i>	NM_001076678	rs7003897	2.76E-03	royalblue	0.13266
<i>ZNF533</i>	NM_152520	NA	NA	royalblue	0.21841
<i>ZNF585A</i>	NM_199126	rs1359186	5.54E-03	royalblue	0.64284
<i>ZNF713</i>	NM_182633	rs17150526	9.71E-03	royalblue	0.26980
<i>ZSCAN2</i>	NM_001007072	rs9602198	2.10E-03	royalblue	0.21041
<i>ZSCAN2</i>	NM_017894	rs12998947	6.99E-03	royalblue	0.13354
<i>ZWILCH</i>	NM_017975	rs8052896	8.45E-03	royalblue	0.53741
	4-Mar NM_178450	NA	NA	salmon	0.98132
	4-Mar NM_178450	NA	NA	salmon	0.75655
	4-Mar XM_938009	NA	NA	salmon	0.98178
<i>ABCC3</i>	NM_020037	NA	NA	salmon	0.73405
<i>ABCE1</i>	NM_001040876	rs471172	9.45E-02	salmon	0.77419
<i>ACYP2</i>	NM_138448	rs1498821	3.94E-04	salmon	0.71230
<i>ALS2CR13</i>	NM_173511	NA	NA	salmon	0.71367
<i>AMMECR1</i>	NM_001025580	NA	NA	salmon	0.77389
<i>AMMECR1</i>	NM_001025580	NA	NA	salmon	0.84120
<i>ANG</i>	NM_001145	rs10811336	6.91E-04	salmon	0.92163
<i>ANTXR2</i>	NM_058172	rs2123268	4.99E-03	salmon	0.48048
<i>ANXA2</i>	NM_001002857	rs10515989	6.29E-03	salmon	0.93777
<i>APBA2</i>	NM_005503	rs11015249	4.52E-03	salmon	0.55555
<i>APCDD1</i>	NM_153000	rs10946418	2.38E-03	salmon	0.81527
<i>APLP1</i>	NM_005166	rs325833	1.03E-02	salmon	0.46205
<i>AQP11</i>	NM_173039	rs12630466	1.87E-03	salmon	0.80031
<i>ARHGDI3</i>	NM_001175	rs5980109	1.83E-03	salmon	0.79818
<i>ARSG</i>	NM_014960	rs2286614	1.30E-03	salmon	0.49571
<i>ARSJ</i>	NM_024590	rs8453	4.20E-03	salmon	0.97663
<i>ARX</i>	NM_139058	NA	NA	salmon	0.79918

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<i>B3GALT4</i>	NM_003782	rs1187061	9.45E-03	salmon	0.51525	
<i>B3GNT1</i>	NM_006577	NA	NA	salmon	0.62362	
<i>BAZ1A</i>	NM_182648	rs5971861	4.99E-03	salmon	0.67610	
<i>BCCIP</i>	NM_078468	rs6534554	7.29E-02	salmon	0.71209	
<i>BCL11A</i>	NM_138559	rs7071102	6.66E-03	salmon	0.88197	
<i>BCL11B</i>	NM_022898	rs10893131	5.51E-03	salmon	0.89832	
<i>BLM</i>	NM_000057	rs4552364	2.42E-03	salmon	0.47282	
<i>BMPR1B</i>	NM_001203	rs749458	8.79E-04	salmon	0.54202	
<i>BTN3A1</i>	NM_007048	rs9512503	1.41E-03	salmon	0.77830	
<i>BXDC2</i>	NM_018321	NA	NA	salmon	0.74051	
<i>BYSL</i>	NM_004053	rs665657	6.82E-03	salmon	0.82212	
<i>C10orf107</i>	NM_173554	rs11520658	8.13E-03	salmon	0.76347	
<i>C10orf32</i>	NM_144591	rs1449045	1.46E-02	salmon	0.90634	
<i>C10orf65</i>	NM_138413	NA	NA	salmon	0.73803	
<i>C14orf130</i>	NM_175748	NA	NA	salmon	0.65870	
<i>C14orf44</i>	NM_152445	NA	NA	salmon	0.48368	
<i>C1QTNF4</i>	NM_031909	rs1410117	3.98E-03	salmon	0.49941	
<i>C21orf62</i>	NM_019596	rs4799438	1.08E-02	salmon	0.85738	
<i>C2orf11</i>	NM_144629	NA	NA	salmon	0.91255	
<i>C4orf9</i>	NM_003703	NA	NA	salmon	0.61649	
<i>C5orf4</i>	NM_016348	NA	NA	salmon	0.88803	
<i>C6orf134</i>	NM_024909	NA	NA	salmon	0.89256	
<i>C8orf70</i>	NM_016010	NA	NA	salmon	0.61180	
<i>C9orf45</i>	NM_030814	NA	NA	salmon	0.69264	
<i>C9orf88</i>	NM_022833	rs12414590	1.73E-03	salmon	0.53171	
<i>CALCOCO1</i>	NM_020898	rs8030739	2.47E-03	salmon	0.40905	
<i>CAMK2D</i>	NM_172115	rs987694	1.13E-03	salmon	0.75686	
<i>CAMK2D</i>	NM_172128	rs987694	1.13E-03	salmon	0.68906	
<i>CAMTA1</i>	NM_015215	rs12448409	5.66E-06	salmon	0.97286	
<i>CAPN2</i>	NM_001748	rs751128	1.38E-02	salmon	0.58404	
<i>CASC1</i>	NM_018272	rs12893752	8.55E-03	salmon	0.60935	
<i>CD74</i>	NM_001025158	rs11797944	7.37E-03	salmon	0.51594	
<i>CD74</i>	NM_004355	rs11797944	7.37E-03	salmon	0.52091	
<i>CDCA1</i>	NM_145697	rs211002	4.48E-03	salmon	0.40388	
<i>CDK2</i>	NM_001798	rs11003452	1.17E-02	salmon	0.67420	
<i>CGI-115</i>	NM_016052	NA	NA	salmon	0.88561	
<i>CHI3L2</i>	NM_004000	rs2289321	1.75E-03	salmon	0.96728	
<i>CMKOR1</i>	NM_020311	rs6689433	3.09E-02	salmon	0.96233	
<i>CNAP1</i>	NM_014865	NA	NA	salmon	0.38820	
<i>CNIH3</i>	NM_152495	rs4654060	2.50E-02	salmon	0.82846	
<i>CSNK1D</i>	NM_139062	rs9343544	9.36E-03	salmon	0.53336	
<i>CTNNAL1</i>	NM_003798	rs7782005	4.21E-03	salmon	0.80483	
<i>CXCR7</i>	NM_001047841	NA	NA	salmon	0.97111	
<i>CXorf44</i>	NM_138362	NA	NA	salmon	0.89882	
<i>DCX</i>	NM_178151	NA	NA	salmon	0.84994	epilepsy
<i>DDIT4</i>	NM_019058	rs10506680	9.80E-02	salmon	0.66947	
<i>DDX54</i>	NM_024072	rs11102329	4.76E-03	salmon	0.58515	
<i>DHCR24</i>	NM_014762	rs4239673	7.21E-03	salmon	0.77958	
<i>DHX37</i>	NM_032656	rs736456	3.32E-03	salmon	0.70093	

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<i>DIAPH3</i>	NM_030932	rs6850334	2.73E-05	salmon	0.45042	
<i>DNAJB9</i>	NM_012328	rs6594323	7.59E-03	salmon	0.85848	
<i>DTL</i>	NM_016448	rs3738449	1.17E-01	salmon	0.33101	
<i>ELAVL3</i>	NM_001420	rs2454803	2.37E-02	salmon	0.71460	
<i>EMP1</i>	NM_001423	rs7740162	1.42E-03	salmon	0.72328	
<i>EPB41L1</i>	NM_012156	rs4829329	7.06E-03	salmon	0.57391	
<i>ETFB</i>	NM_001014763	rs4802787	2.64E-03	salmon	0.79335	
<i>ETV4</i>	NM_001986	rs7981122	4.30E-03	salmon	0.85576	
<i>ETV4</i>	NM_001986	rs7981122	4.30E-03	salmon	0.84733	
<i>F2RL1</i>	NM_005242	rs4324976	1.38E-02	salmon	0.64101	
<i>FAM129B</i>	NM_001035534	rs12414590	1.73E-03	salmon	0.66752	
<i>FAM14A</i>	NM_032036	NA	NA	salmon	0.75356	
<i>FGF11</i>	NM_004112	rs6463669	3.78E-03	salmon	0.66248	
<i>FHOD1</i>	NM_013241	rs17184725	5.24E-02	salmon	0.65471	
<i>FLJ13391</i>	NM_032181	NA	NA	salmon	0.82589	
<i>FLJ20152</i>	NM_019000	NA	NA	salmon	0.84710	
<i>FLJ30046</i>	NM_144595	NA	NA	salmon	0.83241	
<i>FLJ37440</i>	NM_153214	NA	NA	salmon	0.49987	
<i>FLJ45557</i>	NM_001039762	NA	NA	salmon	0.55340	
<i>FLJ90166</i>	NM_153360	NA	NA	salmon	0.94776	
<i>FMNL3</i>	NM_198900	rs7405268	1.54E-02	salmon	0.61261	
<i>FOSL1</i>	NM_005438	rs10878503	6.50E-02	salmon	0.71448	
<i>FSTL1</i>	NM_007085	rs2781107	1.33E-02	salmon	0.55509	
<i>GABRB3</i>	XM_937254	NA	NA	salmon	0.56570	autism & epilepsy
<i>GADD45G</i>	NM_006705	rs2013116	6.88E-03	salmon	0.83415	
<i>GDAP1L1</i>	NM_024034	rs6672120	1.14E-02	salmon	0.79711	
<i>GNG4</i>	NM_004485	rs6431586	3.45E-04	salmon	0.63124	
<i>GNL3</i>	NM_014366	rs37787	7.65E-03	salmon	0.83226	
<i>GNL3</i>	NM_206826	rs37787	7.65E-03	salmon	0.82868	
<i>GPATCH4</i>	NM_182679	rs4352688	1.24E-01	salmon	0.72914	
<i>GPATCH4</i>	NM_182679	rs4352688	1.24E-01	salmon	0.81275	
<i>GRWD1</i>	NM_031485	rs1288592	6.73E-04	salmon	0.86156	
<i>GSG2</i>	NM_031965	rs13270179	4.41E-03	salmon	0.56404	
<i>GSH2</i>	NM_133267	NA	NA	salmon	0.34012	
<i>HAS3</i>	NM_005329	rs7753849	4.68E-04	salmon	0.80382	
<i>HCAP-G</i>	NM_022346	NA	NA	salmon	0.47803	
<i>HCP5</i>	NM_006674	rs2253204	1.34E-02	salmon	0.84225	
<i>HELLS</i>	NM_018063	rs9516775	1.68E-02	salmon	0.57236	
<i>HEY2</i>	NM_012259	rs9398785	1.50E-02	salmon	0.55092	
<i>HGF</i>	NM_001010932	rs6473199	6.57E-03	salmon	0.62579	
<i>HHAT</i>	NM_018194	rs2223630	2.17E-02	salmon	0.43211	
<i>HLA-DMB</i>	NM_002118	rs154973	8.12E-03	salmon	0.84728	
<i>HLA-DRA</i>	NM_019111	rs648166	1.71E-03	salmon	0.85527	
<i>HLA-DRB3</i>	NM_022555	NA	NA	salmon	0.69819	
<i>HMFN0839</i>	NM_032717	NA	NA	salmon	0.69401	
<i>HOMER2</i>	NM_004839	rs9986815	1.09E-03	salmon	1.00000	
<i>HSP90AA1</i>	NM_001017963	rs6539053	1.50E-03	salmon	0.68034	
<i>IFI44L</i>	NM_006820	rs7071575	2.75E-04	salmon	0.70305	
<i>IGF2BP2</i>	NM_006548	rs2603724	1.46E-02	salmon	0.78063	

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<i>IGF2BP3</i>	NM_006547	rs10757418	9.84E-04	salmon	0.92406
<i>IKIP</i>	NM_201612	NA	NA	salmon	0.51712
<i>IL1RAP</i>	NM_134470	rs6434455	3.67E-03	salmon	0.58537
<i>IL4R</i>	NM_000418	rs967144	1.52E-03	salmon	0.95427
<i>INTS6</i>	NM_001039938	rs17504439	7.67E-04	salmon	0.48921
<i>IPO4</i>	NM_024658	rs11564334	1.22E-02	salmon	0.66025
<i>ISG20</i>	NM_002201	rs1010308	1.49E-02	salmon	0.63798
<i>ISGF3G</i>	NM_006084	NA	NA	salmon	0.92284
<i>JPH1</i>	NM_020647	rs2688607	7.30E-04	salmon	0.89738
<i>KCNB1</i>	NM_004975	rs7324484	1.04E-03	salmon	0.62952
<i>KCNJ16</i>	NM_018658	rs17827524	2.65E-03	salmon	0.68655
<i>KCNMA1</i>	NM_002247	rs7071575	2.75E-04	salmon	0.53816
<i>KIAA0427</i>	NM_014772	rs9819635	2.10E-03	salmon	0.81690
<i>KIAA0690</i>	NM_015179	NA	NA	salmon	0.57220
<i>KIF11</i>	NM_004523	rs203132	1.89E-03	salmon	0.39985
<i>KIF21B</i>	NM_017596	rs4915471	5.01E-03	salmon	0.55293
<i>KLF11</i>	XM_938887	NA	NA	salmon	0.62089
<i>KNTC1</i>	NM_014708	rs2809898	5.07E-03	salmon	0.54279
<i>Kua</i>	NM_199129	NA	NA	salmon	0.72219
<i>LEPREL2</i>	NM_014262	rs10401027	3.77E-04	salmon	0.67706
<i>LHPP</i>	NM_022126	rs10818964	7.06E-03	salmon	0.67243
<i>LIN7A</i>	NM_004664	rs2373478	1.24E-03	salmon	0.55906
<i>LMO3</i>	NM_018640	rs12221081	4.45E-03	salmon	0.97339
<i>LNK</i>	NM_005475	NA	NA	salmon	0.93082
<i>LOC113179</i>	NM_138422	NA	NA	salmon	0.42524
<i>LOC144404</i>	XM_0848521	NA	NA	salmon	0.33531
<i>LOC150084</i>	NM_001080444	NA	NA	salmon	0.83929
<i>LOC153222</i>	NM_153607	NA	NA	salmon	0.87445
<i>LOC201229</i>	XM_942296	NA	NA	salmon	0.46903
<i>LOC352909</i>	NM_001031802	NA	NA	salmon	0.33653
<i>LOC389816</i>	NM_001013653	NA	NA	salmon	0.84849
<i>LOC389816</i>	XM_939320	NA	NA	salmon	0.82633
<i>LOC619208</i>	NM_001033564	NA	NA	salmon	0.49499
<i>LOC643995</i>	XM_930156	NA	NA	salmon	0.68003
<i>LOC90639</i>	NM_001031617	NA	NA	salmon	0.49426
<i>LPL</i>	NM_000237	rs12874295	8.48E-03	salmon	0.82479
<i>LRRC8C</i>	NM_032270	rs490812	1.44E-05	salmon	0.88658
<i>LTV1</i>	NM_032860	rs9386051	7.83E-03	salmon	0.72841
<i>LYAR</i>	NM_017816	rs456859	7.47E-03	salmon	0.48200
<i>MAP4</i>	NM_030885	rs1959545	3.01E-03	salmon	0.97603
<i>MAPKAP1</i>	NM_001006618	rs4646703	1.03E-02	salmon	0.90456
<i>MAST1</i>	NM_014975	rs1024580	2.01E-03	salmon	0.50024
<i>MCM8</i>	NM_032485	rs13257249	3.89E-03	salmon	0.44410
<i>MEIS2</i>	NM_170677	rs4244559	1.03E-03	salmon	0.77905
<i>MEIS2</i>	NM_020149	NA	NA	salmon	0.97647
<i>MGC52110</i>	NM_001008215	NA	NA	salmon	0.89903
<i>MLC1</i>	NM_139202	rs9535207	2.98E-04	salmon	0.53774
<i>MLLT7</i>	NM_005938	NA	NA	salmon	0.69350
<i>MMP24</i>	NM_006690	rs10954906	1.42E-03	salmon	0.69888

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<i>MSH5</i>	XM_936150	NA	NA	salmon	0.65947	
<i>MST150</i>	NM_032947	NA	NA	salmon	0.76353	
<i>MSX1</i>	NM_002448	rs2570583	1.09E-02	salmon	0.97243	
<i>MT</i>	NM_173467	NA	NA	salmon	0.46417	
<i>MTHFD1L</i>	NM_015440	rs11687663	3.96E-04	salmon	0.82986	
<i>MX1</i>	NM_002462	rs497561	5.03E-03	salmon	0.29578	
<i>MYCBP2</i>	NM_015057	rs1176811	1.63E-03	salmon	0.63331	
<i>MYCN</i>	NM_005378	rs3008725	1.73E-02	salmon	0.76307	
<i>MYOM2</i>	NM_003970	rs2108636	3.73E-03	salmon	0.81869	
<i>NCALD</i>	NM_001040626	rs17035144	9.06E-04	salmon	0.95430	
<i>NCALD</i>	NM_032041	rs4135064	2.67E-03	salmon	0.94279	
<i>NDUFV3</i>	NM_021075	rs6463175	8.12E-03	salmon	0.49423	
<i>NEFM</i>	NM_005382	rs9507503	6.28E-03	salmon	0.89801	
<i>NELL2</i>	NM_006159	rs9533761	1.46E-03	salmon	0.52441	
<i>NES</i>	NM_006617	rs4621673	3.35E-02	salmon	0.83028	
<i>NKX2-2</i>	NM_002509	rs6576599	2.41E-02	salmon	0.80805	
<i>NKX3-1</i>	NM_006167	rs1041350	9.81E-03	salmon	0.45269	
<i>NOC2L</i>	NM_015658	rs570869	9.34E-03	salmon	0.59845	
<i>NOL1</i>	NM_006170	NA	NA	salmon	0.71634	
<i>NOL1</i>	NM_006170	NA	NA	salmon	0.65180	
<i>NOL3</i>	NM_003946	rs10498525	1.72E-02	salmon	0.43478	
<i>NOL6</i>	NM_139235	rs6462481	2.99E-03	salmon	0.83917	
<i>NOV</i>	NM_002514	rs10984184	1.01E-01	salmon	0.69417	
<i>NPC1</i>	NM_000271	rs727919	2.33E-03	salmon	0.51486	
<i>NPDC1</i>	NM_015392	rs3763662	4.10E-03	salmon	0.62475	
<i>NPTXR</i>	NM_058178	NA	NA	salmon	0.44449	
<i>NUSAP1</i>	NM_018454	rs4237674	4.20E-03	salmon	0.37018	
<i>PARP6</i>	NM_020213	NA	NA	salmon	0.80289	
<i>PAX6</i>	NM_001604	rs10011864	4.49E-03	salmon	0.59321	
<i>PBXIP1</i>	NM_020524	rs2239466	2.27E-03	salmon	0.69929	
<i>PDLIM7</i>	NM_213636	rs10798623	9.50E-02	salmon	0.73872	
<i>PHF19</i>	NM_015651	rs2897737	3.36E-02	salmon	0.95616	
<i>PHF19</i>	NM_001009936	rs7841293	4.90E-02	salmon	0.85547	
<i>PHLDA2</i>	NM_003311	rs11719615	4.78E-03	salmon	0.63826	
<i>PIF1</i>	NM_025049	rs10409409	1.57E-03	salmon	0.69034	
<i>PINK1</i>	NM_032409	rs579096	1.65E-04	salmon	0.87914	
<i>PLA2G7</i>	NM_005084	rs1413077	2.50E-02	salmon	0.38034	
<i>PLAUR</i>	NM_001005376	rs12429253	7.70E-03	salmon	0.95433	autism & epilepsy
<i>PLAUR</i>	NM_002659	rs12429253	7.70E-03	salmon	0.87118	autism & epilepsy
<i>PLCD1</i>	NM_006225	rs17127036	1.66E-02	salmon	0.52409	
<i>PLCL2</i>	NM_015184	rs2959618	1.92E-03	salmon	0.73783	
<i>PLEK</i>	NM_002664	rs872369	2.73E-03	salmon	0.87541	
<i>PMM2</i>	NM_000303	rs4562389	5.38E-03	salmon	0.67486	
<i>POP1</i>	NM_015029	rs1441383	3.46E-03	salmon	0.45185	
<i>PPP1R1C</i>	XM_945023	NA	NA	salmon	0.60424	
<i>PRKCDBP</i>	NM_145040	rs1548842	1.35E-03	salmon	0.73180	
<i>PRMT2</i>	NM_001535	rs1077216	1.10E-03	salmon	0.88581	
<i>PRMT2</i>	NM_206962	rs1077216	1.10E-03	salmon	0.80562	
<i>PROK2</i>	NM_021935	rs12154743	9.38E-03	salmon	0.51246	

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<i>PRSS23</i>	NM_007173	rs1560977	1.01E-02	salmon	0.84301	
<i>PSCD1</i>	NM_017456	NA	NA	salmon	0.81073	
<i>PSD</i>	NM_002779	rs6978452	6.41E-03	salmon	0.21459	
<i>PTPLA</i>	NM_014241	rs11683808	5.07E-03	salmon	0.80567	
<i>PUS7</i>	NM_019042	rs156135	2.06E-02	salmon	0.82625	
<i>PVRL3</i>	NM_015480	rs7124625	1.00E-02	salmon	0.90854	
<i>RAB7L1</i>	NM_003929	rs947211	7.99E-02	salmon	0.91503	
<i>RAD51</i>	NM_002875	rs10512692	6.11E-03	salmon	0.88891	
<i>RASEF</i>	NM_152573	rs13144896	1.33E-02	salmon	0.74918	
<i>RBBP8</i>	NM_203291	rs2520355	6.82E-04	salmon	0.95570	
<i>RCOR3</i>	NM_018254	rs6540679	2.26E-01	salmon	0.84761	
<i>RECQL4</i>	NM_004260	rs1718075	8.40E-02	salmon	0.46480	
<i>RFC3</i>	NM_181558	rs10954906	1.42E-03	salmon	0.79851	
<i>FGMA</i>	NM_020211	rs2013116	6.88E-03	salmon	0.83559	
<i>RGN</i>	NM_152869	NA	NA	salmon	0.59588	
<i>RGS16</i>	NM_002928	rs3849612	2.82E-02	salmon	0.80081	
<i>RGS20</i>	NM_170587	rs930185	4.24E-03	salmon	0.69872	
<i>RHOJ</i>	NM_020663	rs1467422	6.27E-04	salmon	0.65120	
<i>RN7SK</i>	NR_001445	NA	NA	salmon	0.58946	
<i>RNF150</i>	NM_020724	rs5954988	3.49E-03	salmon	0.79538	
<i>RNU3IP2</i>	NM_004704	NA	NA	salmon	0.72446	
<i>S100A16</i>	NM_080388	rs2071262	5.24E-03	salmon	0.84171	
<i>SAP18</i>	NM_005870	rs2073854	3.23E-03	salmon	0.94200	
<i>SBK1</i>	NM_001024401	rs2614048	1.98E-03	salmon	0.91863	
<i>SCG3</i>	NM_013243	rs9296619	1.78E-02	salmon	0.83956	
<i>SDC2</i>	NM_002998	rs16894821	7.60E-03	salmon	0.66776	autism
<i>SERPINF1</i>	NM_002615	rs4876121	1.76E-02	salmon	0.79012	
<i>SLC40A1</i>	NM_014585	rs6733858	2.60E-02	salmon	0.79669	
<i>SLC4A7</i>	NM_003615	rs10506018	4.81E-03	salmon	0.77635	
<i>SMPD3</i>	NM_018667	rs9541141	1.01E-02	salmon	0.70910	
<i>SNAP25</i>	NM_130811	rs11249984	8.36E-04	salmon	0.40333	
<i>SOX13</i>	NM_005686	rs2037679	2.76E-02	salmon	0.71844	
<i>SOX4</i>	NM_003107	rs7280944	5.01E-03	salmon	0.89086	
<i>SPRED3</i>	NM_001039616	rs717091	2.07E-03	salmon	0.73945	
<i>SPTAN1</i>	NM_003127	rs4750717	6.40E-03	salmon	0.55663	
<i>SRGAP3</i>	NM_001033117	rs11715608	8.31E-04	salmon	0.85984	
<i>SRPK2</i>	NM_182691	rs3866247	4.42E-03	salmon	0.96340	
<i>ST7</i>	NM_018412	rs1999930	1.34E-04	salmon	0.88852	autism
<i>STAT1</i>	NM_139266	rs3771300	1.83E-02	salmon	0.71207	
<i>STK32A</i>	NM_145001	rs2166819	1.32E-02	salmon	0.77908	
<i>STON1</i>	NM_006873	rs2255532	1.51E-03	salmon	0.82733	
<i>STOX2</i>	NM_020225	rs1978953	3.64E-02	salmon	0.69556	
<i>STS-1</i>	NM_032873	NA	NA	salmon	0.96614	
<i>SVIL</i>	NM_003174	rs2394180	9.99E-04	salmon	0.84637	
<i>SVIL</i>	NM_003174	rs2394180	9.99E-04	salmon	0.93986	
<i>SYT17</i>	NM_016524	rs2503349	2.70E-04	salmon	0.83780	autism
<i>SYTL2</i>	NM_206929	rs4907105	8.62E-03	salmon	0.84778	
<i>TACC1</i>	NM_006283	rs10512692	6.11E-03	salmon	0.84849	
<i>TBC1D14</i>	NM_020773	rs6054715	7.17E-04	salmon	0.66292	

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<i>TBL1X</i>	NM_005647	NA	NA	salmon	0.84236
<i>TFPI2</i>	NM_006528	rs17750365	1.01E-02	salmon	0.76847
<i>TGFB111</i>	NM_015927	rs207410	2.15E-02	salmon	0.86932
<i>TGIF</i>	NM_003244	rs10758256	6.29E-03	salmon	0.49926
<i>TGIF1</i>	NM_170695	rs10758256	6.29E-03	salmon	0.74785
<i>TH</i>	NM_000360	rs6972752	7.25E-03	salmon	0.64362
<i>THBS2</i>	NM_003247	rs551037	2.35E-03	salmon	0.78008
<i>THOC4</i>	NM_005782	rs1549118	2.16E-03	salmon	0.63803
<i>TKTL1</i>	NM_012253	NA	NA	salmon	0.91999
<i>TLR4</i>	NM_138557	NA	NA	salmon	0.91387
<i>TM4SF11</i>	NM_015993	NA	NA	salmon	0.86520
<i>TMC7</i>	NM_024847	rs16979870	6.88E-03	salmon	0.87167
<i>TMEM16A</i>	NM_018043	NA	NA	salmon	0.93179
<i>TMEM35</i>	NM_021637	NA	NA	salmon	0.79791
<i>TNC</i>	NM_002160	rs10934301	1.61E-03	salmon	0.55511
<i>TNFRSF21</i>	NM_014452	rs2426147	2.64E-03	salmon	0.90915
<i>TOB2</i>	NM_016272	rs1506174	1.34E-03	salmon	0.32136
<i>TOMM34</i>	NM_006809	rs9533529	1.84E-02	salmon	0.78136
<i>TOMM40</i>	NM_006114	rs12196609	2.43E-02	salmon	0.78454
<i>TPMT</i>	NM_000367	rs1495754	6.08E-03	salmon	0.72482
<i>TPST1</i>	NM_003596	rs10513964	5.92E-03	salmon	0.86478
<i>TRIB1</i>	NM_025195	rs2402851	1.94E-02	salmon	0.96180
<i>TRIM36</i>	NM_001017397	rs4613914	4.28E-04	salmon	0.86121
<i>TRIM36</i>	NM_001017397	rs4613914	4.28E-04	salmon	0.92847
<i>TSC22D3</i>	NM_001015881	NA	NA	salmon	0.61198
<i>TSC22D3</i>	NM_004089	NA	NA	salmon	0.88458
<i>TSC22D3</i>	NM_004089	NA	NA	salmon	0.96028
<i>TTC9B</i>	NM_152479	rs6063100	1.39E-02	salmon	0.86675
<i>TUBB2C</i>	NM_006088	rs4520207	4.82E-03	salmon	0.85794
<i>UHRF1</i>	NM_013282	rs966062	9.36E-03	salmon	0.53790
<i>UNQ470</i>	NM_198573	NA	NA	salmon	0.79361
<i>VAMP2</i>	NM_014232	rs2149111	1.36E-02	salmon	0.81648
<i>VEGF</i>	NM_001025366	rs17641380	1.36E-02	salmon	0.71280
<i>WDR1</i>	NM_017491	rs17439103	2.79E-04	salmon	0.60314
<i>WDR74</i>	NM_018093	rs7254212	1.74E-02	salmon	0.82226
<i>YPEL1</i>	NM_013313	rs8043036	2.42E-03	salmon	0.88443
<i>YPEL3</i>	NM_031477	rs2137856	1.50E-03	salmon	0.90524
<i>ZBTB5</i>	NM_014872	rs2835624	1.01E-02	salmon	0.72806
<i>ZNF291</i>	NM_020843	NA	NA	salmon	0.82769
<i>ZNF397</i>	NM_032347	rs35043	3.34E-03	salmon	0.80096
<i>ZNF440L</i>	NM_001012753	NA	NA	salmon	0.62010
<i>ZNF442</i>	NM_030824	rs220000	1.48E-02	salmon	0.71809
<i>ZNF540</i>	NM_152606	rs4812854	4.78E-03	salmon	0.55366
<i>ZNF627</i>	NM_145295	rs1016322	6.70E-03	salmon	0.77215
<i>ZNF655</i>	NM_024061	rs992708	1.48E-02	salmon	0.21460
<i>ZSCAN2</i>	NM_181877	rs9602198	2.10E-03	salmon	0.75076
<i>ZWINT</i>	NM_001005413	rs32617	1.30E-02	salmon	0.85296
<i>ABCC1</i>	NM_019900	rs17487930	1.01E-02	seagreen	0.02230
<i>AMY2B</i>	NM_020978	rs2399931	4.14E-03	seagreen	0.00499

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<i>AMZ2</i>	NM_001033574	rs1059440	3.07E-03	seagreen	0.00038	
<i>APOBEC3F</i>	NM_001006666	rs11759115	9.81E-03	seagreen	0.00115	
<i>BAI1</i>	NM_001702	rs1422711	2.22E-02	seagreen	0.36767	
<i>C10orf35</i>	NM_145306	rs1132845	9.57E-03	seagreen	0.77039	
<i>C14orf140</i>	NM_024643	NA	NA	seagreen	0.37269	
<i>C1orf158</i>	NM_152290	rs917580	2.02E-02	seagreen	0.32146	
<i>C6orf190</i>	NM_001010923	NA	NA	seagreen	0.00623	
<i>CDK6</i>	NM_001259	rs2035115	2.21E-03	seagreen	0.84633	
<i>CNN1</i>	NM_001299	rs7931254	1.71E-03	seagreen	0.42400	
<i>CYP4F8</i>	NM_007253	rs4416821	2.73E-03	seagreen	0.01739	
<i>DCTN1</i>	NM_004082	rs732765	5.08E-02	seagreen	0.02104	
<i>DICER1</i>	NM_030621	rs10992489	5.27E-03	seagreen	0.00035	
<i>FBN2</i>	NM_001999	rs6917351	1.89E-03	seagreen	0.82747	
<i>FLJ10916</i>	NM_018271	NA	NA	seagreen	0.20050	
<i>FLJ20581</i>	NM_017888	NA	NA	seagreen	0.01097	
<i>FLNB</i>	NM_001457	rs12598492	2.35E-03	seagreen	0.32058	
<i>GPC4</i>	NM_001448	NA	NA	seagreen	0.98521	
<i>HAK</i>	NM_052947	NA	NA	seagreen	1.00000	
<i>HSD17B6</i>	NM_003725	rs7174662	5.01E-04	seagreen	0.27573	
<i>HSF4</i>	NM_001538	rs2371382	9.10E-02	seagreen	0.01387	
<i>HSPE1</i>	NM_002157	rs12027362	1.12E-01	seagreen	0.03565	
<i>INHA</i>	NM_002191	rs7547751	4.46E-02	seagreen	0.23255	
<i>LMO1</i>	NM_002315	rs6640047	1.13E-03	seagreen	0.82261	
<i>LOC606724</i>	NR_002454	NA	NA	seagreen	0.00660	
<i>MFAP5</i>	NM_003480	rs7257704	4.56E-03	seagreen	0.69590	
<i>NDUFV3</i>	NM_001001503	rs6463175	8.12E-03	seagreen	0.03218	
<i>NOS1AP</i>	NM_014697	rs6781001	3.08E-03	seagreen	0.19964	autism
<i>NTSR2</i>	NM_012344	rs1296025	4.06E-03	seagreen	0.09813	
<i>NXT2</i>	NM_018698	NA	NA	seagreen	0.00820	
<i>OPRL1</i>	NM_000913	rs1491963	5.12E-03	seagreen	0.33712	
<i>OR4P4</i>	NM_001004124	rs1909749	1.13E-02	seagreen	0.00028	
<i>OXGR1</i>	NM_080818	rs11188059	1.84E-02	seagreen	0.01759	
<i>PAFAH1B2</i>	NM_002572	rs1064583	1.48E-04	seagreen	0.07759	
<i>PCNXL2</i>	NM_024938	NA	NA	seagreen	0.04576	
<i>PHF12</i>	NM_020889	rs1426891	1.57E-03	seagreen	0.04062	
<i>PPFIA2</i>	NM_003625	rs12574041	4.77E-04	seagreen	0.21532	
<i>PRG-3</i>	NM_207299	NA	NA	seagreen	0.35402	
<i>PTPRN</i>	NM_002846	rs11892648	7.99E-03	seagreen	0.19927	
<i>RECQL5</i>	NM_001003715	rs3846030	2.55E-02	seagreen	0.07140	
<i>RP1-32F7.2</i>	NM_173698	NA	NA	seagreen	0.00853	
<i>RTN1</i>	NM_206852	rs11603417	9.13E-05	seagreen	0.81129	
<i>SLC13A3</i>	NM_001011554	rs1340649	4.04E-05	seagreen	0.00169	
<i>SLC7A5</i>	NM_003486	rs1124611	1.43E-02	seagreen	0.83376	
<i>SMOX</i>	NM_175842	rs12601993	3.04E-03	seagreen	0.02322	
<i>SORCS1</i>	NM_001013031	rs6643458	5.10E-05	seagreen	0.77451	
<i>SORCS1</i>	NM_052918	rs6643458	5.10E-05	seagreen	0.79837	
<i>SPAG1</i>	NM_003114	rs11765661	5.04E-03	seagreen	0.00846	
<i>SYNGR3</i>	NM_004209	rs901494	1.68E-02	seagreen	0.46483	
<i>THAP7</i>	NM_030573	rs9368091	2.99E-03	seagreen	0.00282	

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<i>THBS1</i>	NM_003246	rs13302352	2.28E-04	seagreen	0.68910	
<i>TPPP</i>	NM_007030	rs7937869	1.25E-03	seagreen	0.17118	
<i>WDHD1</i>	NM_001008396	rs2126756	7.34E-03	seagreen	0.06769	
<i>WISP1</i>	NM_080838	rs1982342	8.98E-03	seagreen	0.02322	
<i>WNT9B</i>	NM_003396	rs441328	1.04E-02	seagreen	0.00073	
<i>ZDHHC22</i>	NM_174976	rs720863	1.90E-02	seagreen	0.02584	
<i>ZNF655</i>	NM_001009958	rs992708	1.48E-02	seagreen	0.00378	
	8-Sep NM_001011553	NA	NA	skyblue	0.05990	
<i>ABHD5</i>	NM_016006	rs766117	8.23E-03	skyblue	0.26517	
<i>ACVR2B</i>	NM_001106	rs9838614	4.95E-03	skyblue	0.01247	
<i>ADCY8</i>	NM_001115	rs1478091	1.06E-03	skyblue	0.26477	
<i>AKAP6</i>	NM_004274	rs2124748	3.20E-05	skyblue	0.25756	
<i>ANKRD40</i>	NM_052855	rs2839040	1.91E-02	skyblue	0.20513	
<i>AP1G2</i>	NM_003917	rs7873393	3.21E-02	skyblue	0.21649	
<i>AQP3</i>	NM_004925	rs12154760	1.49E-02	skyblue	0.07939	
<i>ARF1</i>	NM_001024226	rs3820624	8.24E-02	skyblue	0.14592	
<i>ARHGAP28</i>	NM_001010000	rs10492951	2.73E-03	skyblue	0.11585	
<i>ATE1</i>	NM_007041	rs720203	9.18E-03	skyblue	0.32088	
<i>B3GALT3</i>	NM_033169	rs1784597	3.04E-02	skyblue	0.26280	
<i>BCR</i>	NM_004327	rs6452027	7.50E-04	skyblue	0.02520	
<i>BHLHB5</i>	NM_152414	NA	NA	skyblue	0.26635	
<i>BLOC1S2</i>	NM_001001342	rs2749065	6.47E-03	skyblue	0.23401	
<i>BRF1</i>	NM_001519	rs3822292	1.19E-02	skyblue	0.24689	
<i>C14orf118</i>	NM_017926	rs2083868	8.13E-03	skyblue	0.39946	
<i>C14orf150</i>	NM_001008726	NA	NA	skyblue	0.02577	
<i>C20orf46</i>	NM_018354	rs6078117	5.46E-03	skyblue	0.38391	
<i>C21orf55</i>	NM_001040192	NA	NA	skyblue	0.09277	
<i>C21orf58</i>	NM_058180	rs929693	7.99E-03	skyblue	0.07326	
<i>C3orf28</i>	NM_014367	NA	NA	skyblue	0.29588	
<i>C6orf157</i>	NM_198920	NA	NA	skyblue	0.03076	
<i>C9orf50</i>	NM_199350	rs3780695	1.95E-02	skyblue	0.03081	
<i>C9orf95</i>	NM_017881	rs17105732	1.86E-03	skyblue	0.18398	
<i>CACHD1</i>	NM_020925	rs17767008	2.02E-03	skyblue	0.87904	
<i>CACNB4</i>	NM_001005747	rs2870518	1.16E-02	skyblue	0.03272	epilepsy
<i>CADPS</i>	NM_003716	rs7084300	1.44E-04	skyblue	0.14643	
<i>CAPN11</i>	NM_007058	rs7326252	1.49E-04	skyblue	0.07095	
<i>CAPN3</i>	NM_173087	rs6072705	3.47E-03	skyblue	0.25808	
<i>CAPN9</i>	NM_016452	rs12038826	7.60E-03	skyblue	0.04582	
<i>CAPS</i>	NM_004058	rs32566	8.67E-03	skyblue	0.03947	
<i>CBFA2T2</i>	NM_001032999	rs1902334	5.48E-04	skyblue	0.01482	
<i>CCDC57</i>	NM_198082	rs4853333	9.60E-03	skyblue	0.37558	
<i>CDC14A</i>	NM_033313	rs4851346	2.71E-03	skyblue	0.15644	
<i>CDCA7</i>	NM_031942	rs4233164	1.74E-02	skyblue	0.63719	
<i>CDH17</i>	NM_004063	rs6834248	4.90E-03	skyblue	0.00697	
<i>CDH26</i>	NM_021810	rs9856128	2.04E-02	skyblue	0.06585	
<i>CEL</i>	NM_001807	rs2073821	7.06E-03	skyblue	0.19338	
<i>CLK1</i>	NM_001024646	NA	NA	skyblue	0.62582	
<i>COG3</i>	NM_031431	rs10421474	3.38E-03	skyblue	0.16091	
<i>COL1A1</i>	NM_000088	rs7699135	5.17E-03	skyblue	0.46640	

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<i>COL6A2</i>	NM_001849	rs131100	1.02E-02	skyblue	0.18970	
<i>CORT</i>	NM_001302	rs10946418	2.38E-03	skyblue	0.35747	
<i>CPA1</i>	NM_001868	rs7793239	2.51E-02	skyblue	0.00313	
<i>CPB1</i>	NM_001871	rs1546632	4.81E-04	skyblue	0.04056	
<i>CRELD1</i>	NM_001031717	rs1859586	2.45E-03	skyblue	0.03429	
<i>CSMD3</i>	NM_052900	rs11259844	3.54E-04	skyblue	0.24636	
<i>CXXC6</i>	NM_030625	NA	NA	skyblue	0.83912	
<i>DAPK2</i>	NM_014326	rs1286831	6.00E-04	skyblue	0.08446	
<i>DHRS8</i>	NM_016245	NA	NA	skyblue	0.52774	
<i>DIDO1</i>	NM_080796	rs10510858	6.33E-03	skyblue	0.10632	
<i>DNAJB4</i>	NM_007034	rs1207868	2.88E-02	skyblue	0.04560	
<i>DSG1</i>	NM_001942	rs9554090	6.33E-03	skyblue	0.04349	
<i>DUSP26</i>	NM_024025	rs11009311	8.60E-03	skyblue	0.43060	
<i>DYNLT3</i>	NM_006520	NA	NA	skyblue	0.12074	
<i>EAF2</i>	NM_018456	rs1078305	8.18E-03	skyblue	0.13685	
<i>ECHDC1</i>	NM_018479	rs10101666	2.07E-03	skyblue	0.04171	
<i>EFNA4</i>	NM_182690	rs11156577	1.11E-04	skyblue	0.27332	
<i>ELMO2</i>	NM_133171	rs11082688	1.18E-02	skyblue	0.25495	
<i>ENAH</i>	NM_018212	rs2203733	2.03E-02	skyblue	0.72381	
<i>EPB41</i>	NM_203343	rs13098112	2.76E-03	skyblue	0.06772	
<i>EPB41L4B</i>	NM_018424	rs10505135	3.90E-03	skyblue	0.19608	
<i>FAIM</i>	NM_001033031	rs10106218	1.82E-03	skyblue	0.05623	
<i>FAM49B</i>	NM_016623	rs2480452	2.05E-03	skyblue	0.07145	
<i>FBXO44</i>	NM_001014765	rs2561624	2.30E-03	skyblue	0.01829	
<i>FBXO44</i>	NM_183412	rs2561624	2.30E-03	skyblue	0.37070	
<i>FGF12</i>	NM_004113	rs4687332	5.50E-03	skyblue	0.33850	
<i>FLJ22531</i>	NM_024650	NA	NA	skyblue	0.75234	
<i>FLJ23588</i>	NM_198856	NA	NA	skyblue	0.00699	
<i>FLJ25006</i>	NM_144610	NA	NA	skyblue	0.47534	
<i>FLJ32679</i>	NM_001012452	NA	NA	skyblue	0.10248	
<i>FLJ42957</i>	NM_207436	NA	NA	skyblue	0.09137	
<i>FLJ90834</i>	NM_173578	NA	NA	skyblue	0.01163	
<i>FPGT</i>	NM_003838	rs920901	4.85E-02	skyblue	0.15943	
<i>FRYL</i>	NM_015030	rs1460200	1.12E-03	skyblue	0.20533	
<i>FUT5</i>	NM_002034	rs2222831	5.19E-03	skyblue	0.05521	
<i>GABRG2</i>	NM_000816	rs1722636	1.20E-02	skyblue	0.17979	epilepsy
<i>GADD45B</i>	NM_015675	rs17793630	1.95E-02	skyblue	0.08566	
<i>GALNT2</i>	NM_004481	rs940339	3.52E-02	skyblue	0.08265	
<i>GCGR</i>	NM_000160	NA	NA	skyblue	0.08951	
<i>GDNF</i>	NM_000514	rs744713	6.45E-03	skyblue	0.02054	
<i>GMPPB</i>	NM_021971	rs9296619	1.78E-02	skyblue	0.61166	
<i>GMPPR2</i>	NM_016576	rs2828169	1.35E-03	skyblue	0.45972	
<i>GPR124</i>	NM_032777	rs6733157	1.89E-02	skyblue	0.00862	
<i>GPT</i>	NM_005309	rs1527237	1.29E-01	skyblue	0.05714	
<i>HBM</i>	NM_001003938	rs7502120	6.14E-03	skyblue	0.04102	
<i>HCG3</i>	NM_001001394	NA	NA	skyblue	0.02255	
<i>HERC2P2</i>	XR_000517	NA	NA	skyblue	0.05304	
<i>HIP1R</i>	NM_003959	rs11199183	3.25E-02	skyblue	0.07081	
<i>HLA-DRB6</i>	NR_001298	rs2858814	5.43E-02	skyblue	0.17807	

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<i>ID12</i>	NM_033261	rs9951158	1.49E-02	skyblue	0.01285
<i>IL15</i>	NM_172174	rs4662472	2.42E-02	skyblue	0.41505
<i>IRX1</i>	NM_024337	rs2880892	1.71E-04	skyblue	0.10693
<i>IRX2</i>	NM_033267	rs956764	2.69E-03	skyblue	0.02182
<i>ITGA1</i>	NM_181501	rs2456207	4.36E-03	skyblue	0.02917
<i>KCNAB3</i>	NM_004732	rs4787079	4.27E-03	skyblue	0.09065
<i>KCNK10</i>	NM_138317	rs645063	4.75E-03	skyblue	0.25997
<i>KIAA0802</i>	NM_015210	rs7257704	4.56E-03	skyblue	0.09051
<i>KIAA0961</i>	NM_014898	NA	NA	skyblue	0.04947
<i>KIF13A</i>	NM_022113	rs7119188	5.06E-04	skyblue	0.07885
<i>KIF3A</i>	NM_007054	rs4837492	1.08E-03	skyblue	0.28328
<i>KITLG</i>	NM_000899	rs9300794	6.56E-03	skyblue	0.53465
<i>L3MBTL</i>	NM_015478	NA	NA	skyblue	0.48279
<i>LCE1F</i>	NM_178354	rs2536085	9.59E-03	skyblue	0.01902
<i>LCOR</i>	NM_032440	rs10892901	3.08E-03	skyblue	0.52461
<i>LGI1</i>	NM_005097	rs11626041	5.00E-03	skyblue	0.17581
<i>LILRA2</i>	NM_006866	rs272407	1.37E-02	skyblue	0.00822
<i>LMNB1</i>	NM_005573	rs1946053	3.38E-02	skyblue	0.49466
<i>LOC113444</i>	NM_138428	NA	NA	skyblue	0.10205
<i>LOC388503</i>	NM_001013640	NA	NA	skyblue	0.36880
<i>LOC400707</i>	NM_001013673	NA	NA	skyblue	0.02342
<i>LOC401286</i>	NM_001023565	NA	NA	skyblue	0.24963
<i>LOC440350</i>	NM_001018122	NA	NA	skyblue	0.24679
<i>LOC440926</i>	NR_002315	rs7607927	1.75E-03	skyblue	0.33817
<i>LOC643196</i>	XM_931397	NA	NA	skyblue	0.18584
<i>LOC644890</i>	XM_927975	NA	NA	skyblue	0.04444
<i>LOC654084</i>	XM_938984	NA	NA	skyblue	0.82360
<i>LOC727936</i>	NM_001080393	NA	NA	skyblue	0.07679
<i>LSS</i>	NM_001001438	rs2839159	6.83E-04	skyblue	0.10273
<i>LST1</i>	NM_205837	rs942343	5.09E-02	skyblue	0.05458
<i>LTB4R2</i>	NM_019839	rs10966105	7.85E-03	skyblue	0.05512
<i>MAFG</i>	NM_002359	rs2302944	6.24E-03	skyblue	0.24263
<i>MFAP2</i>	NM_017459	rs2188015	2.23E-03	skyblue	0.00819
<i>MGC14141</i>	NM_032928	NA	NA	skyblue	0.61005
<i>MGC23280</i>	NM_144683	NA	NA	skyblue	0.26640
<i>MGC23985</i>	NM_206966	NA	NA	skyblue	0.01398
<i>MGC2408</i>	NM_032331	rs17139	9.80E-03	skyblue	0.15013
<i>MGC33486</i>	XM_938846	NA	NA	skyblue	0.02993
<i>MGC33887</i>	NM_145036	rs6011530	1.02E-03	skyblue	0.41525
<i>MPP3</i>	NM_001932	rs10888650	7.90E-04	skyblue	0.34459
<i>MRPL1</i>	NM_020236	rs1344085	1.39E-03	skyblue	0.19782
<i>MTMR3</i>	NM_153050	rs11840398	1.32E-03	skyblue	0.90643
<i>MXRA8</i>	NM_032348	rs2734791	4.55E-02	skyblue	0.86061
<i>NET1</i>	NM_005863	rs1386067	5.06E-03	skyblue	0.22548
<i>NFATC3</i>	NM_173163	rs11077554	5.15E-03	skyblue	0.09754
<i>NIPBL</i>	NM_015384	rs13288123	1.27E-03	skyblue	0.09184
<i>NKIRAS2</i>	NM_001001349	rs2835624	1.01E-02	skyblue	0.02445
<i>NOL6</i>	NM_022917	rs6462481	2.99E-03	skyblue	0.03578
<i>NRXN3</i>	NM_004796	rs10793345	1.70E-04	skyblue	0.55777

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<i>NUDCD1</i>	NM_032869	rs7076021	1.68E-03	skyblue	0.05420	
<i>ODZ3</i>	NM_001080477	rs4651255	1.26E-03	skyblue	0.28323	
<i>OPHN1</i>	NM_002547	NA	NA	skyblue	0.79492	autism
<i>OVCA2</i>	NM_080822	rs1331297	4.26E-03	skyblue	0.07273	
<i>PAP2</i>	NM_001010861	NA	NA	skyblue	0.34573	
<i>PAP2D</i>	NM_001037317	NA	NA	skyblue	0.20209	
<i>PBOV1</i>	NM_021635	rs16840318	3.75E-02	skyblue	0.11026	
<i>PCDHA6</i>	NM_031849	rs6577995	5.22E-03	skyblue	0.07333	
<i>PCDHB12</i>	NM_018932	rs1382020	1.81E-01	skyblue	0.83470	
<i>PCDHB13</i>	NM_018933	rs5907996	5.94E-02	skyblue	0.85591	
<i>PCDHB18</i>	NR_001281	rs2471083	4.36E-02	skyblue	1.00000	
<i>PCDHGA10</i>	NM_032090	rs988446	5.78E-02	skyblue	0.07556	
<i>PCDHGB4</i>	NM_032098	rs9698057	6.58E-03	skyblue	0.10638	
<i>PI16</i>	NM_153370	rs7146299	1.13E-02	skyblue	0.05884	
<i>PMP22</i>	NM_000304	rs12774668	4.83E-03	skyblue	0.03771	
<i>POLR2J2</i>	NM_145325	NA	NA	skyblue	0.16300	
<i>POLR3H</i>	NM_001018051	NA	NA	skyblue	0.04747	
<i>PPM1B</i>	NM_001033557	rs1984192	5.50E-04	skyblue	0.35811	
<i>PPM1L</i>	NM_139245	rs11962721	6.53E-03	skyblue	0.08616	
<i>PRLR</i>	NM_000949	rs2701516	1.79E-04	skyblue	0.00761	
<i>RALGPS2</i>	NM_018037	NA	NA	skyblue	0.02808	
<i>RCCD1</i>	NM_033544	rs2622629	3.07E-02	skyblue	0.00947	
<i>RCE1</i>	NM_001032279	rs2180448	9.40E-03	skyblue	0.21646	
<i>REP15</i>	NM_001029874	rs3806624	2.98E-02	skyblue	0.04269	
<i>RG9MTD1</i>	NM_017819	rs11190790	3.29E-02	skyblue	0.04202	
<i>RHBDF2</i>	NM_024599	rs2161675	9.49E-03	skyblue	0.02204	
<i>RIF1</i>	NM_018151	rs6464268	1.27E-02	skyblue	0.10567	
<i>RRBP1</i>	NM_001042576	rs4504735	1.34E-03	skyblue	0.17836	
<i>RSC1A1</i>	NM_006511	rs1558139	4.30E-02	skyblue	0.23472	
<i>RSU1</i>	NM_152724	rs4321183	9.42E-04	skyblue	0.09868	
<i>SAA2</i>	NM_030754	rs4832551	3.05E-02	skyblue	0.06162	
<i>SCGB1D2</i>	NM_006551	rs12450534	8.80E-03	skyblue	0.01319	
<i>SCN3A</i>	NM_006922	rs3820390	1.03E-02	skyblue	0.05161	
<i>SDC3</i>	XM_944729	NA	NA	skyblue	0.01169	
<i>SEC24B</i>	NM_006323	rs1019753	7.01E-03	skyblue	0.25544	
<i>SEMA4A</i>	NM_022367	rs1294092	2.59E-02	skyblue	0.04976	
<i>SERINC3</i>	NM_198941	rs225436	3.99E-03	skyblue	0.01015	
<i>SFTPD</i>	NM_003019	rs224912	1.12E-03	skyblue	0.02359	
<i>SH2D3C</i>	NM_005489	rs11018376	4.55E-03	skyblue	0.04060	
<i>SLC12A5</i>	NM_020708	rs2297198	4.00E-03	skyblue	0.44642	epilepsy
<i>SLC22A18AS</i>	NM_007105	rs11251532	3.96E-03	skyblue	0.10006	
<i>SLC25A45</i>	NM_001077241	rs2073801	2.58E-03	skyblue	0.05424	
<i>SLC26A7</i>	NM_134266	rs9294508	2.68E-03	skyblue	0.02488	
<i>SLC35F3</i>	XM_939358	NA	NA	skyblue	0.03185	
<i>SLC36A3</i>	NM_181774	rs3810715	2.04E-02	skyblue	0.05075	
<i>SMAD1</i>	NM_001003688	rs7707452	1.37E-02	skyblue	0.18746	
<i>SMC1L1</i>	NM_006306	NA	NA	skyblue	0.56802	
<i>SNRP70</i>	NM_001009820	NA	NA	skyblue	0.35249	
<i>SNX12</i>	NM_013346	NA	NA	skyblue	0.03873	

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<i>SNX15</i>	NM_013306	rs10277011	2.06E-02	skyblue	0.22729
<i>SOCS5</i>	NM_014011	rs6827925	4.00E-03	skyblue	0.32974
<i>SPRN</i>	NM_001012508	rs2024704	1.33E-03	skyblue	0.02687
<i>SPTBN4</i>	NM_025213	rs6429566	4.80E-03	skyblue	0.23511
<i>SREBF1</i>	NM_001005291	rs11683808	5.07E-03	skyblue	0.01491
<i>SS18</i>	NM_005637	rs6452027	7.50E-04	skyblue	0.10155
<i>STRN</i>	NM_003162	rs13288123	1.27E-03	skyblue	0.07991
<i>SULF2</i>	NM_018837	rs2428684	4.57E-03	skyblue	0.70869
<i>TAF5L</i>	NM_014409	rs6701445	1.03E-02	skyblue	0.06093
<i>TDRD1</i>	NM_198795	rs763229	6.19E-04	skyblue	0.01959
<i>TGFBR2</i>	NM_001024847	rs586594	1.15E-03	skyblue	0.02763
<i>TMEM53</i>	NM_024587	rs718798	1.35E-03	skyblue	0.38763
<i>TMSB4Y</i>	NM_004202	NA	NA	skyblue	0.00359
<i>TNFRSF6B</i>	NM_032945	rs1533356	6.28E-03	skyblue	0.51027
<i>TOM1L2</i>	NM_144678	NA	NA	skyblue	0.28240
<i>TOP1P2</i>	NR_001283	rs4452416	6.48E-03	skyblue	0.03835
<i>TPD52</i>	NM_001025253	rs6473199	6.57E-03	skyblue	0.00483
<i>TPTE2</i>	NM_130785	rs16979870	6.88E-03	skyblue	0.01243
<i>TRAK1</i>	NM_001042646	rs729559	3.22E-03	skyblue	0.45455
<i>TRHR</i>	NM_003301	rs3098728	1.00E-03	skyblue	0.01362
<i>TRIM56</i>	NM_030961	rs1567663	1.52E-03	skyblue	0.12064
<i>TRIM6</i>	NM_001003818	rs732007	1.07E-03	skyblue	0.01042
<i>UNQ2541</i>	NM_203347	NA	NA	skyblue	0.07830
<i>USP20</i>	NM_006676	rs12547913	6.95E-03	skyblue	0.00899
<i>VIP</i>	NM_003381	rs3757070	4.09E-03	skyblue	0.08354
<i>WDSOF1</i>	NM_015420	NA	NA	skyblue	0.01429
<i>XRN1</i>	NM_019001	rs1422711	2.22E-02	skyblue	0.90981
<i>ZNF33A</i>	NM_006974	rs8113143	6.69E-03	skyblue	0.98787
<i>ZNF544</i>	NM_014480	rs2127047	1.90E-02	skyblue	0.01317
<i>ZNF561</i>	NM_152289	rs7072434	6.86E-03	skyblue	0.15207
<i>ZNF580</i>	NM_207115	rs8051621	8.52E-03	skyblue	0.02712
<i>ZNF596</i>	NM_001042416	rs727056	2.01E-03	skyblue	0.09486
<i>ZNF805</i>	NM_001023563	rs6858066	7.16E-03	skyblue	0.52821
<i>ZNF83</i>	NM_018300	rs10401904	6.68E-03	skyblue	0.70830
<i>ACSS1</i>	NM_032501	rs10946735	4.77E-03	tan	0.02613
<i>ACTN2</i>	NM_001103	rs10925206	5.69E-03	tan	0.34095
<i>C10orf79</i>	NM_025145	rs6726474	3.39E-03	tan	0.03666
<i>C10orf87</i>	NM_144587	NA	NA	tan	0.02696
<i>C14orf103</i>	NM_018036	NA	NA	tan	0.04379
<i>C8orf42</i>	NM_175075	rs4742002	5.89E-05	tan	0.80976
<i>C8orf45</i>	NM_173518	rs10146772	1.07E-02	tan	0.53917
<i>CAMKV</i>	NM_024046	rs10940390	2.67E-02	tan	0.76019
<i>CDK5RAP3</i>	NM_176095	NA	NA	tan	0.34069
<i>CLTA</i>	NM_007096	rs4833144	1.24E-04	tan	0.04113
<i>CRABP1</i>	NM_004378	rs2914143	8.05E-03	tan	0.00500
<i>CSAD</i>	NM_015989	rs627860	1.22E-03	tan	0.75026
<i>CSTF1</i>	NM_001033522	rs17117895	8.40E-04	tan	0.06732
<i>DENND1B</i>	NM_144977	rs2488389	3.20E-03	tan	0.01784
<i>DKK3</i>	NM_013253	rs279141	2.87E-03	tan	0.79896

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<i>DMD</i>	NM_004006	NA	NA	tan	0.04801
<i>EGFR</i>	NM_201284	rs1461796	1.11E-03	tan	0.01020
<i>FAM81A</i>	NM_152450	rs2964206	2.22E-03	tan	0.05683
<i>FLJ45803</i>	NM_207429	NA	NA	tan	0.06684
<i>FNDC1</i>	NM_032532	rs2932988	4.58E-03	tan	0.05811
<i>GAD1</i>	NM_000817	rs16858988	6.89E-02	tan	0.84719
<i>GJB3</i>	NM_001005752	rs6457797	1.34E-02	tan	0.01514
<i>GNAO1</i>	NM_138736	rs930185	4.24E-03	tan	0.00641
<i>GOLGA8A</i>	NM_181077	rs533873	1.94E-03	tan	0.48111
<i>GSDML</i>	NM_018530	NA	NA	tan	0.70629
<i>IL15RA</i>	NM_172200	rs7007868	5.01E-03	tan	0.00083
<i>KCNH3</i>	NM_012284	rs4774557	1.66E-03	tan	0.30153
<i>KLK3</i>	NM_001030050	rs10888939	3.92E-03	tan	0.00221
<i>LHX5</i>	NM_022363	rs4839202	7.48E-04	tan	0.03776
<i>LOC653319</i>	NM_001040715	NA	NA	tan	0.71787
<i>LOC653745</i>	XM_929376	NA	NA	tan	0.03771
<i>LYPD5</i>	NM_001031749	rs4609919	1.79E-02	tan	0.00083
<i>MAGI2</i>	NM_012301	rs10793345	1.70E-04	tan	0.00120
<i>MEG3</i>	XR_000943	NA	NA	tan	0.56132
<i>MITF</i>	NM_198159	rs7905556	1.96E-02	tan	0.04232
<i>MMP19</i>	NM_001032360	NA	NA	tan	0.06208
<i>NAP1L1</i>	NM_139207	rs1374879	1.14E-02	tan	0.05554
<i>NEDD9</i>	NM_182966	rs2242451	3.01E-03	tan	0.00159
<i>NFATC2IP</i>	NM_032815	rs2057954	1.04E-02	tan	0.00054
<i>NFKBIZ</i>	NM_001005474	rs10076146	2.85E-02	tan	0.95790
<i>OSBPL1A</i>	NM_018030	rs12590446	6.77E-04	tan	0.00050
<i>PC</i>	NM_000920	rs10492203	5.23E-04	tan	0.02399
<i>PH-4</i>	NM_017732	NA	NA	tan	0.41831
<i>PICALM</i>	NM_007166	rs7000150	5.01E-03	tan	0.03637
<i>PPARG</i>	NM_138712	rs11787776	4.51E-03	tan	0.66480
<i>PSMD4</i>	NM_153822	NA	NA	tan	0.03278
<i>PSPH</i>	NM_004577	rs10888939	3.92E-03	tan	0.45221
<i>RASGRF1</i>	NM_153815	rs11643648	6.88E-04	tan	0.00073
<i>RCN3</i>	NM_020650	rs8003961	1.82E-03	tan	0.00327
<i>SEC14L4</i>	NM_174977	rs13098112	2.76E-03	tan	0.00772
<i>SF1</i>	NM_201997	rs8039508	4.09E-02	tan	0.44750
<i>SLC25A19</i>	NM_021734	rs6452722	2.57E-02	tan	0.14339
<i>SLN</i>	NM_003063	rs1028220	3.13E-02	tan	0.37238
<i>SORD</i>	NM_003104	rs1027413	2.09E-02	tan	0.04088
<i>SSTR2</i>	NM_001050	rs11581095	6.06E-03	tan	0.33865
<i>TAF5L</i>	NM_001025247	rs2273574	1.01E-01	tan	0.00488
<i>TBC1D3B</i>	NM_001001417	rs7034481	2.50E-02	tan	0.56719
<i>TMEM17</i>	NM_198276	rs12422918	5.14E-03	tan	0.79254
<i>USP49</i>	NM_018561	rs4632397	1.20E-03	tan	0.30823
<i>WHSC1L1</i>	NM_023034	rs8113143	6.69E-03	tan	0.02256
<i>WSB1</i>	NM_134265	rs337475	3.36E-04	tan	1.00000
<i>XRN1</i>	NM_001042604	rs1422711	2.22E-02	tan	0.01764
<i>ZNF96</i>	NM_014724	NA	NA	tan	0.11647
	6-Sep NM_002688	NA	NA	turquoise	0.15315

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<i>A4GALT</i>	NM_017436	rs10742587	2.09E-03	turquoise	0.13917	
<i>ACADS</i>	NM_000017	rs10892559	1.97E-02	turquoise	0.36021	
<i>ACTG2</i>	NM_001615	rs10081518	2.16E-03	turquoise	0.81377	
<i>ADAMTS1</i>	NM_006988	rs9554090	6.33E-03	turquoise	0.20727	
<i>ADORA1</i>	NM_000674	rs12135643	2.43E-02	turquoise	0.01796	
<i>ADORA2A</i>	NM_000675	rs2531860	1.38E-03	turquoise	0.11663	autism
<i>ADRA1B</i>	NM_000679	rs7624303	9.13E-03	turquoise	0.03233	
<i>APC</i>	NM_000038	rs475620	2.34E-03	turquoise	0.03440	autism
<i>ARID4A</i>	NM_002892	rs10747826	2.33E-02	turquoise	0.26396	
<i>ARID4A</i>	NM_023000	rs10747826	2.33E-02	turquoise	0.26374	
<i>ARID5A</i>	NM_212481	rs2579502	7.23E-03	turquoise	0.08685	
<i>ARID5A</i>	NM_212481	rs2579502	7.23E-03	turquoise	0.03499	
<i>ARL4</i>	NM_005738	rs2075508	2.61E-02	turquoise	0.75831	
<i>B3GAT2</i>	NM_080742	rs10780684	9.94E-04	turquoise	0.74612	
<i>BARD1</i>	NM_000465	rs10932568	4.44E-02	turquoise	0.72988	
<i>BRUNOL4</i>	XM_943559	NA	NA	turquoise	0.87869	
<i>BTG3</i>	NM_006806	rs7036338	1.77E-02	turquoise	0.04945	
<i>C10orf132</i>	NM_001010917	NA	NA	turquoise	0.36218	
<i>C16orf60</i>	NM_018455	NA	NA	turquoise	0.82299	
<i>C1orf108</i>	NM_024595	NA	NA	turquoise	0.14327	
<i>C1orf88</i>	NM_181643	rs6542368	1.12E-02	turquoise	0.23827	
<i>C20orf133</i>	NM_001033086	NA	NA	turquoise	0.51662	
<i>C21orf88</i>	NM_153754	NA	NA	turquoise	0.11214	
<i>C8orf46</i>	NM_152765	rs981369	8.29E-03	turquoise	0.21840	
<i>CA4</i>	NM_000717	rs6025643	1.37E-02	turquoise	0.11063	
<i>CACNA1C</i>	NM_000719	rs12985186	1.69E-04	turquoise	0.36768	autism
<i>CACNG2</i>	NM_006078	rs7120564	1.17E-03	turquoise	0.33753	epilepsy
<i>CADPS</i>	NM_183394	rs7084300	1.44E-04	turquoise	0.76126	
<i>CAMK2G</i>	NM_172169	rs2242258	1.30E-03	turquoise	0.87942	
<i>CAST1</i>	NM_015576	NA	NA	turquoise	0.75749	
<i>CCDC3</i>	NM_031455	rs13145438	8.10E-04	turquoise	0.47533	
<i>CCDC65</i>	NM_033124	rs698334	1.06E-03	turquoise	0.10778	
<i>CCKBR</i>	NM_176875	rs749005	4.38E-03	turquoise	0.32642	
<i>CCR7</i>	NM_001838	rs1077644	1.27E-03	turquoise	0.09344	
<i>CD247</i>	NM_198053	rs3820390	1.03E-02	turquoise	0.21660	
<i>CDCA4</i>	NM_017955	rs3924892	1.64E-02	turquoise	0.92693	
<i>CDKN2B</i>	NM_078487	rs7954180	7.51E-03	turquoise	0.04235	
<i>CDKN2C</i>	NM_001262	rs1341980	2.14E-02	turquoise	0.28940	
<i>CEACAM1</i>	NM_001024912	rs10165893	7.51E-04	turquoise	0.24260	
<i>CENPF</i>	NM_016343	rs1505374	8.92E-02	turquoise	0.72912	
<i>CHN2</i>	NM_004067	rs1958979	1.19E-03	turquoise	0.86788	
<i>CLTB</i>	NM_007097	rs1321776	1.23E-02	turquoise	0.31528	
<i>CNTNAP4</i>	NM_033401	rs2134837	8.66E-04	turquoise	0.74841	
<i>COL1A2</i>	NM_000089	rs11107845	4.18E-03	turquoise	0.79038	
<i>COL23A1</i>	NM_173465	rs625820	1.32E-02	turquoise	0.24625	
<i>COLQ</i>	NM_080540	NA	NA	turquoise	0.20556	
<i>COMTD1</i>	NM_144589	rs720863	1.90E-02	turquoise	0.34791	
<i>CPA4</i>	NM_016352	rs1487608	3.32E-03	turquoise	0.62393	
<i>CPNE6</i>	NM_006032	rs1041350	9.81E-03	turquoise	0.44674	

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<i>CRMP1</i>	NM_001014809	rs13257249	3.89E-03	turquoise	0.79979	
<i>CTNNA2</i>	NM_004389	rs12574041	4.77E-04	turquoise	0.95179	
<i>CXCR4</i>	NM_003467	rs322240	4.82E-02	turquoise	0.12363	
<i>CXXC4</i>	NM_025212	rs1890227	3.09E-03	turquoise	0.19057	
<i>CYP26B1</i>	NM_019885	rs17780422	1.28E-03	turquoise	1.00000	
<i>CYP27B1</i>	NM_000785	rs12586157	1.48E-03	turquoise	0.03951	
<i>CYP2J2</i>	NM_000775	rs6842739	2.98E-03	turquoise	0.13751	
<i>DDX31</i>	NM_138620	rs4645436	2.58E-03	turquoise	0.09836	
<i>DISP2</i>	NM_033510	rs1002675	6.21E-04	turquoise	0.14309	
<i>DOT1L</i>	NM_032482	rs7127900	4.58E-03	turquoise	0.08545	
<i>DRD3</i>	NM_000796	rs10787493	1.50E-02	turquoise	0.71878	
<i>DSCAML1</i>	NM_020693	rs10934301	1.61E-03	turquoise	0.14395	
<i>DYRK1B</i>	NM_006484	rs6066149	2.75E-03	turquoise	0.14725	
<i>ECM2</i>	NM_001393	rs203132	1.89E-03	turquoise	0.53204	
<i>EEF1D</i>	NM_032378	rs13419007	3.63E-02	turquoise	0.25604	
<i>ELK4</i>	NM_001973	rs6661827	1.42E-02	turquoise	0.08153	
<i>ELL3</i>	NM_025165	rs7000214	1.70E-03	turquoise	0.19425	
<i>EMILIN1</i>	NM_007046	rs9554090	6.33E-03	turquoise	0.33183	
<i>EPAS1</i>	NM_001430	rs2839159	6.83E-04	turquoise	0.09788	
<i>EPHB1</i>	NM_004441	rs1364407	3.93E-03	turquoise	0.37119	
<i>ESPN</i>	NM_031475	rs9931078	4.00E-03	turquoise	0.03973	
<i>EZH2</i>	NM_004456	rs1995392	2.07E-03	turquoise	0.65362	
<i>FAIM</i>	NM_001033030	rs10106218	1.82E-03	turquoise	0.19339	
<i>FAM19A2</i>	NM_178539	rs13064050	5.02E-03	turquoise	0.27662	
<i>FAM5C</i>	NM_199051	rs16861729	3.76E-03	turquoise	0.05740	
<i>FBXO15</i>	NM_152676	rs11931604	3.70E-02	turquoise	0.56088	
<i>FLJ20097</i>	NM_017667	NA	NA	turquoise	0.13880	
<i>FLJ23588</i>	NM_022785	NA	NA	turquoise	0.37346	
<i>FLJ30596</i>	NM_153013	NA	NA	turquoise	0.80010	
<i>FLJ32206</i>	NM_152497	NA	NA	turquoise	0.23745	
<i>FLJ33590</i>	NM_173821	NA	NA	turquoise	0.27038	
<i>FLRT2</i>	NM_013231	rs2011360	9.75E-04	turquoise	0.52125	
<i>FN5</i>	NM_020179	NA	NA	turquoise	0.12201	
<i>FRAT1</i>	NM_005479	rs4735521	1.75E-02	turquoise	0.14324	
<i>FRMPD4</i>	NM_014728	NA	NA	turquoise	0.34981	autism
<i>FSTL5</i>	NM_020116	rs1936075	6.98E-05	turquoise	0.80066	
<i>GAD1</i>	NM_013445	rs16858988	6.89E-02	turquoise	0.85042	
<i>GAL</i>	NM_015973	rs12681862	1.04E-02	turquoise	0.89592	
<i>GALNTL2</i>	NM_054110	rs10803414	1.93E-03	turquoise	0.73972	
<i>GCHFR</i>	NM_005258	rs1393109	1.17E-03	turquoise	0.49289	
<i>GRIK1</i>	NM_000830	rs2394180	9.99E-04	turquoise	0.23625	
<i>GRIK1</i>	NM_000830	rs2394180	9.99E-04	turquoise	0.31449	
<i>GRIN1</i>	NM_007327	rs11776870	2.45E-03	turquoise	0.66966	
<i>GRM3</i>	NM_000840	rs2213468	1.14E-03	turquoise	0.77517	
<i>GRRP1</i>	NM_024869	rs2830038	6.21E-05	turquoise	0.15181	
<i>HERC6</i>	NM_001013005	NA	NA	turquoise	0.67360	
<i>HIST1H2BD</i>	NM_138720	rs16930371	8.98E-03	turquoise	0.12120	
<i>HIST1H2BG</i>	NM_003518	rs768039	1.08E-02	turquoise	0.04054	
<i>HIST1H4H</i>	NM_003543	rs11247870	7.51E-03	turquoise	0.09402	

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<i>HOMER1</i>	NM_004272	rs11594398	2.12E-03	turquoise	0.10336	
<i>HPCAL4</i>	NM_016257	rs10483056	1.71E-03	turquoise	0.27359	
<i>HS3ST5</i>	NM_153612	rs12201804	2.28E-03	turquoise	0.40373	autism
<i>IER2</i>	NM_004907	rs401326	1.14E-02	turquoise	0.13476	
<i>IFIT3</i>	NM_001031683	rs11203078	1.70E-02	turquoise	0.25968	
<i>IGFBP7</i>	NM_001553	rs11852448	1.04E-03	turquoise	0.76714	
<i>IGSF21</i>	NM_032880	rs2717756	3.20E-04	turquoise	0.75065	
<i>IKIP</i>	NM_153687	NA	NA	turquoise	0.18512	
<i>IL1RAPL1</i>	NM_014271	NA	NA	turquoise	0.32161	autism
<i>IQCG</i>	NM_032263	rs1455357	7.94E-02	turquoise	0.39674	
<i>IRF5</i>	NM_002200	NA	NA	turquoise	0.37698	
<i>ITGB8</i>	NM_002214	rs4982360	8.06E-04	turquoise	0.24216	
<i>JAKMIP2</i>	NM_014790	rs2373177	2.16E-04	turquoise	0.12724	
<i>JPH3</i>	NM_020655	rs10735255	1.01E-02	turquoise	0.95447	
<i>JPH4</i>	NM_032452	rs3794764	2.81E-03	turquoise	0.32220	
<i>JUP</i>	NM_002230	rs9306949	1.63E-03	turquoise	0.21402	
<i>KBTBD7</i>	NM_032138	rs2293690	2.67E-02	turquoise	0.07389	
<i>KCNT1</i>	NM_020822	rs545617	2.30E-03	turquoise	0.26290	
<i>KCTD16</i>	NM_020768	rs17409	3.18E-03	turquoise	0.33925	
<i>KIAA0368</i>	NM_001080398	rs11195623	1.06E-03	turquoise	0.63698	
<i>KIAA0460</i>	NM_015203	NA	NA	turquoise	0.05302	
<i>KIAA1576</i>	NM_020927	NA	NA	turquoise	0.29287	
<i>KIAA1904</i>	NM_052906	NA	NA	turquoise	0.41784	
<i>KIF15</i>	NM_020242	rs6508902	1.67E-03	turquoise	0.46578	
<i>KLHL3</i>	NM_017415	rs1123819	6.72E-03	turquoise	0.33883	
<i>LAT2</i>	NM_022040	NA	NA	turquoise	0.05651	
<i>LIAS</i>	NM_194451	rs2638863	5.33E-03	turquoise	0.10319	
<i>LIMK2</i>	NM_001031801	rs953326	2.56E-03	turquoise	0.38803	
<i>LIMK2</i>	NM_001031801	rs953326	2.56E-03	turquoise	0.48742	
<i>LIMK2</i>	NM_016733	rs953326	2.56E-03	turquoise	0.37666	
<i>LOC649387</i>	XM_945040	NA	NA	turquoise	0.41063	
<i>LOC728269</i>	NM_001080790	NA	NA	turquoise	0.02830	
<i>LOC90167</i>	NM_194277	NA	NA	turquoise	0.73243	
<i>LOXL4</i>	NM_032211	rs2282432	1.89E-03	turquoise	0.46891	
<i>LRRRC6</i>	NM_012472	rs9419204	3.32E-04	turquoise	0.28271	
<i>LRRN6A</i>	NM_032808	NA	NA	turquoise	0.66862	
<i>MED8</i>	NM_001001651	NA	NA	turquoise	0.68395	
<i>MFSD4</i>	NM_181644	rs12080053	6.38E-03	turquoise	0.04146	
<i>MGC13024</i>	NM_152288	NA	NA	turquoise	0.09362	
<i>MGC13057</i>	NM_032321	NA	NA	turquoise	0.44906	
<i>MGC33530</i>	NM_182546	NA	NA	turquoise	0.40416	
<i>MMP28</i>	NM_001032278	rs4867304	6.85E-03	turquoise	0.86057	
<i>MTUS1</i>	NM_020749	rs7241299	1.26E-02	turquoise	0.32881	
<i>MXI1</i>	NM_005962	rs11613438	6.58E-03	turquoise	0.72506	
<i>MYH9</i>	NM_002473	rs13219307	6.54E-03	turquoise	0.61476	
<i>MYT1L</i>	NM_015025	rs7568465	2.41E-03	turquoise	0.47875	
<i>NAPB</i>	NM_022080	rs10757418	9.84E-04	turquoise	0.92974	
<i>NDRG1</i>	NM_006096	rs6986474	4.53E-03	turquoise	0.22424	
<i>NDRG4</i>	NM_020465	rs890632	1.36E-03	turquoise	0.11369	

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<i>NEDD4</i>	NM_006154	rs7236804	3.46E-03	turquoise	0.05014	
<i>NEK11</i>	NM_145910	rs1605327	2.31E-02	turquoise	0.77362	
<i>NGEF</i>	NM_019850	rs12409696	2.19E-02	turquoise	0.07612	
<i>NIN</i>	NM_016350	rs2282751	9.49E-04	turquoise	0.19363	
<i>NIN</i>	NM_182945	NA	NA	turquoise	0.16697	
<i>NMU</i>	NM_006681	rs991335	1.99E-02	turquoise	0.26299	
<i>NOTCH4</i>	NM_004557	rs5927970	8.70E-04	turquoise	0.08194	
<i>NOX3</i>	NM_015718	rs1885560	1.33E-03	turquoise	0.38646	
<i>NRP2</i>	NM_018534	rs2241153	2.00E-02	turquoise	0.20784	
<i>NRP2</i>	NM_201264	rs849575	3.75E-02	turquoise	0.21111	
<i>NRXN1</i>	NM_138735	rs739431	8.66E-04	turquoise	0.59804	autism
<i>NTN4</i>	NM_021229	rs4538949	3.16E-03	turquoise	0.79270	
<i>NUP188</i>	NM_015354	rs10014141	1.10E-02	turquoise	0.75462	
<i>NUP98</i>	NM_139131	rs8046065	2.38E-03	turquoise	0.09913	
<i>OLFM1</i>	NM_006334	rs2317349	5.99E-02	turquoise	0.25052	
<i>OLFM4</i>	NM_006418	rs7586951	3.12E-02	turquoise	0.33050	
<i>OLFML2A</i>	NM_182487	rs2299542	1.64E-02	turquoise	0.36614	
<i>OR111</i>	NM_001004713	rs268379	1.31E-03	turquoise	0.01775	
<i>PABPC5</i>	NM_080832	NA	NA	turquoise	0.03782	
<i>PACIN1</i>	NM_020804	rs558317	2.00E-04	turquoise	0.78831	
<i>PCDH7</i>	NM_002589	rs2313742	2.10E-04	turquoise	0.07805	
<i>PCGF6</i>	NM_032154	rs4946582	3.63E-03	turquoise	0.03308	
<i>PDE4D</i>	NM_006203	rs1080256	6.99E-05	turquoise	0.67906	
<i>PDE4DIP</i>	NM_001002811	rs1422711	2.22E-02	turquoise	0.17797	
<i>PDGFRA</i>	NM_006206	rs2133471	4.41E-03	turquoise	0.22592	
<i>PDLIM1</i>	NM_020992	rs12640523	3.49E-04	turquoise	0.68041	
<i>PDZRN3</i>	XM_946222	NA	NA	turquoise	0.12154	
<i>PIM3</i>	NM_001001852	rs9591249	1.63E-02	turquoise	0.37432	
<i>PKNOX2</i>	NM_022062	rs6758687	4.42E-03	turquoise	0.23918	
<i>PLCD4</i>	NM_032726	rs11806418	4.69E-02	turquoise	0.40090	
<i>PLCXD3</i>	NM_001005473	rs12584909	3.64E-04	turquoise	0.30004	
<i>PLEKHA6</i>	NM_014935	rs6722215	7.79E-03	turquoise	0.47288	
<i>PPAPDC3</i>	NM_032728	rs2260983	7.12E-03	turquoise	0.15656	
<i>PPP2R2C</i>	NM_181876	rs1428986	1.31E-03	turquoise	0.97416	
<i>PPP2R2C</i>	NM_181876	rs1428986	1.31E-03	turquoise	0.82257	
<i>PPT2</i>	NM_138717	rs1531746	2.37E-02	turquoise	0.09789	
<i>PRG-3</i>	NM_017753	NA	NA	turquoise	0.69859	
<i>PRKDC</i>	NM_006904	rs8092993	5.16E-03	turquoise	0.43998	
<i>PROCR</i>	NM_006404	rs7845697	9.22E-03	turquoise	0.21491	
<i>PTDSR</i>	NM_015167	NA	NA	turquoise	0.63540	
<i>PTHR2</i>	NM_005048	NA	NA	turquoise	0.85976	
<i>PUS1</i>	NM_001002019	rs4863907	2.93E-02	turquoise	0.08134	
<i>RAB33B</i>	NM_031296	rs2471083	4.36E-02	turquoise	0.17645	
<i>RARRES1</i>	NM_206963	rs10515809	3.13E-02	turquoise	0.65362	
<i>RGC32</i>	NM_014059	NA	NA	turquoise	0.88424	
<i>RGS9BP</i>	NM_207391	rs1952566	5.27E-02	turquoise	0.19283	
<i>RIMBP2</i>	NM_015347	rs3021211	1.18E-03	turquoise	0.37645	
<i>RLN3</i>	NM_080864	rs11718142	1.16E-02	turquoise	0.18293	
<i>RP13-15M17.2</i>	NM_001010866	NA	NA	turquoise	0.13350	

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<i>RUNX2</i>	NM_001024630	rs875511	5.38E-03	turquoise	0.27036	
<i>SCARA3</i>	NM_182826	rs929620	1.23E-02	turquoise	0.77825	
<i>SEMA3A</i>	NM_006080	rs12057062	4.63E-03	turquoise	0.70395	
<i>SH3GL3</i>	NM_003027	rs1079242	1.06E-03	turquoise	0.50793	
<i>SHB</i>	NM_003028	rs7081464	1.72E-03	turquoise	0.79650	
<i>SLC22A15</i>	NM_018420	rs12202641	1.70E-04	turquoise	0.82080	
<i>SLC22A5</i>	NM_003060	rs10988554	1.14E-02	turquoise	0.40618	
<i>SLC36A1</i>	NM_078483	rs4134337	1.56E-02	turquoise	0.13509	
<i>SLC5A3</i>	NM_006933	rs5971861	4.99E-03	turquoise	0.06634	
<i>SLC9A6</i>	NM_006359	NA	NA	turquoise	0.76356	autism
<i>SLITRK5</i>	NM_015567	rs1414007	1.10E-02	turquoise	0.18504	
<i>SMC2</i>	NM_001042550	rs2725762	2.61E-02	turquoise	0.20995	
<i>SMC4</i>	NM_001002800	rs1898871	4.37E-02	turquoise	0.65605	
<i>SNX10</i>	NM_013322	rs2830038	6.21E-05	turquoise	0.19253	
<i>SORCS1</i>	NM_001013031	rs6643458	5.10E-05	turquoise	0.53771	
<i>SP4</i>	NM_003112	rs10437776	2.43E-03	turquoise	0.28952	
<i>SPARCL1</i>	NM_004684	rs2142195	2.46E-02	turquoise	0.31149	
<i>SPATA20</i>	NM_022827	rs2965069	1.04E-03	turquoise	0.64664	
<i>SPC24</i>	NM_182513	rs1547222	2.21E-02	turquoise	0.82161	
<i>SPTBN4</i>	NM_025213	rs6429566	4.80E-03	turquoise	0.55979	
<i>ST3GAL1</i>	NM_173344	rs7628262	1.36E-02	turquoise	0.67113	
<i>STAMBPL1</i>	NM_020799	rs1370018	9.49E-03	turquoise	0.41173	
<i>STARD10</i>	NM_006645	rs1727668	5.62E-03	turquoise	0.23136	
<i>STK6P</i>	NR_001587	NA	NA	turquoise	0.03309	
<i>STX1A</i>	NM_004603	rs10868936	3.18E-02	turquoise	0.22042	
<i>SULT4A1</i>	NM_176874	NA	NA	turquoise	0.45431	
<i>SYT13</i>	NM_020826	rs12712937	3.03E-03	turquoise	0.63419	
<i>TAGLN</i>	NM_003186	rs2145357	2.99E-03	turquoise	0.95182	
<i>TBC1D17</i>	NM_024682	rs4811794	7.05E-02	turquoise	0.09011	
<i>TCBA1</i>	NM_153355	NA	NA	turquoise	0.40657	
<i>TESC</i>	NM_017899	rs763229	6.19E-04	turquoise	0.88237	
<i>THAP8</i>	NM_152658	rs7955255	1.45E-03	turquoise	0.06400	
<i>TMEM107</i>	NM_032354	rs2149111	1.36E-02	turquoise	0.82122	
<i>TMIE</i>	NM_147196	rs17118127	4.87E-03	turquoise	0.11361	
<i>TOP2A</i>	NM_001067	rs2942382	3.35E-03	turquoise	0.82402	
<i>TP53INP1</i>	NM_033285	rs11854727	2.92E-03	turquoise	0.41755	
<i>TRAF4</i>	NM_004295	rs2339940	1.46E-02	turquoise	0.04734	
<i>TRSPAP1</i>	NR_003109	NA	NA	turquoise	0.18838	
<i>TXNDC4</i>	NM_015051	NA	NA	turquoise	0.12807	
<i>VASP</i>	NM_001008736	NA	NA	turquoise	0.32599	
<i>VAV3</i>	NM_006113	rs8676	3.88E-03	turquoise	0.13341	
<i>VAX1</i>	NM_199131	rs10774538	1.20E-02	turquoise	0.25947	
<i>WDR31</i>	NM_145241	rs3827739	3.63E-02	turquoise	0.13433	
<i>WDR69</i>	NM_178821	rs13405511	4.91E-02	turquoise	0.87089	
<i>WDRPUH</i>	NM_145054	rs2654718	2.71E-03	turquoise	0.31704	
<i>WTIP</i>	NM_001080436	rs4989895	1.27E-02	turquoise	0.14338	
<i>WTIP</i>	XM_059037	NA	NA	turquoise	0.12504	
<i>XKR4</i>	NM_052898	rs860324	8.88E-04	turquoise	0.77753	
<i>YBX2</i>	NM_015982	rs724940	1.79E-02	turquoise	0.20420	

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<i>YPEL2</i>	NM_001005404	rs2133471	4.41E-03	turquoise	0.27501	
<i>ZNF167</i>	NM_025169	rs6932104	1.35E-02	turquoise	0.10628	
<i>ZNF323</i>	NM_030899	rs2831524	2.91E-03	turquoise	0.07212	
<i>ZNF404</i>	NM_001033719	rs2015487	8.89E-02	turquoise	0.59636	
<i>ZNF425</i>	NM_001001661	rs10935663	2.96E-02	turquoise	0.17798	
<i>ZNF575</i>	NM_174945	rs9591249	1.63E-02	turquoise	0.06755	
<i>ZNF658</i>	NM_033160	rs9369223	5.00E-03	turquoise	0.14385	
	4-Sep NM_019106	NA	NA	yellow	0.92147	
<i>ABAT</i>	NM_020686	rs7257704	4.56E-03	yellow	0.97071	
<i>ABHD14A</i>	NM_015407	rs6499586	1.02E-02	yellow	0.68906	
<i>ADA</i>	NM_000022	rs7214096	8.86E-03	yellow	0.84753	autism
<i>ADAM12</i>	NM_021641	rs9491849	4.77E-05	yellow	0.79961	
<i>AGT</i>	NM_000029	rs7582313	8.84E-02	yellow	0.95374	
<i>AKR1C3</i>	NM_003739	rs5961642	2.79E-03	yellow	0.92197	
<i>ALK</i>	NM_004304	rs2394180	9.99E-04	yellow	0.91102	
<i>ANKS1B</i>	NM_181670	rs1474620	1.64E-03	yellow	0.83118	
<i>APEX2</i>	NM_014481	NA	NA	yellow	0.86816	
<i>APOBEC3B</i>	NM_004900	rs12908846	8.60E-03	yellow	0.89315	
<i>APRT</i>	NM_001030018	rs9300794	6.56E-03	yellow	0.76910	
<i>AQP4</i>	NM_004028	rs10485011	1.02E-02	yellow	0.84114	
<i>ATAD3A</i>	NM_018188	rs7602332	2.50E-03	yellow	0.74883	
<i>ATCAY</i>	NM_033064	rs6052147	2.63E-03	yellow	0.88374	
<i>ATP1B2</i>	NM_001678	rs6108011	2.68E-02	yellow	0.91642	
<i>AXIN2</i>	NM_004655	rs1981138	1.67E-02	yellow	0.85625	
<i>BAIAP3</i>	NM_003933	rs1538721	1.48E-03	yellow	0.95635	
<i>BAZ2B</i>	NM_013450	rs9833196	8.31E-04	yellow	0.76298	
<i>BCAN</i>	NM_198427	rs11971331	3.29E-02	yellow	0.93133	
<i>BCAR3</i>	NM_003567	rs11107845	4.18E-03	yellow	0.74369	
<i>BCL11A</i>	NM_022893	rs7071102	6.66E-03	yellow	0.84798	
<i>BCL11A</i>	NM_138553	NA	NA	yellow	0.85864	
<i>BEX2</i>	NM_032621	NA	NA	yellow	0.87221	
<i>BID</i>	NM_001196	rs11057006	6.42E-03	yellow	0.76240	
<i>BID</i>	NM_197967	rs11057006	6.42E-03	yellow	0.75120	
<i>BOP1</i>	NM_015201	rs4681527	2.57E-02	yellow	0.95826	
<i>BRI3BP</i>	NM_080626	rs2611428	4.50E-03	yellow	0.74823	
<i>BTG1</i>	NM_001731	rs1957082	2.29E-02	yellow	0.91089	
<i>C14orf149</i>	NM_144581	rs2412907	9.49E-04	yellow	0.93888	
<i>C15orf23</i>	NM_033286	rs4530278	4.17E-03	yellow	0.95384	
<i>C15orf27</i>	NM_152335	rs2955742	3.09E-03	yellow	0.84136	
<i>C18orf56</i>	NM_001012716	rs7298096	1.07E-02	yellow	0.64253	
<i>C19orf4</i>	NM_012109	NA	NA	yellow	0.89725	
<i>C1orf24</i>	NM_022083	NA	NA	yellow	0.93490	
<i>C1QL1</i>	NM_006688	rs11577388	5.16E-03	yellow	0.73679	
<i>C20orf27</i>	NM_017874	NA	NA	yellow	0.82128	
<i>C3orf26</i>	NM_032359	rs11765661	5.04E-03	yellow	0.86136	
<i>C4orf34</i>	NM_174921	rs2836850	5.12E-04	yellow	0.88064	
<i>C6orf153</i>	NM_033112	NA	NA	yellow	0.82235	
<i>C8orf4</i>	NM_020130	rs7972858	8.65E-03	yellow	0.80722	
<i>CAMK2B</i>	NM_172080	rs7326252	1.49E-04	yellow	0.73581	

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<i>CASP3</i>	NM_032991	rs11683056	5.15E-02	yellow	0.89805	
<i>CASP7</i>	NM_033339	rs546464	1.13E-03	yellow	0.75630	
<i>CCPG1</i>	NM_004748	rs17832328	4.52E-03	yellow	0.97058	
<i>CD151</i>	NM_004357	rs11908221	9.26E-03	yellow	0.95819	
<i>CD151</i>	NM_139030	rs11908221	9.26E-03	yellow	0.75077	
<i>CD38</i>	NM_001775	rs13193457	2.41E-03	yellow	0.90643	
<i>CD97</i>	NM_078481	rs13081924	1.52E-02	yellow	0.82799	
<i>CEBPD</i>	NM_005195	rs9535207	2.98E-04	yellow	0.91879	
<i>CEP68</i>	NM_015147	rs17750984	1.23E-02	yellow	0.76325	
<i>CEP70</i>	NM_024491	rs6954902	1.26E-02	yellow	0.87786	
<i>CGI-96</i>	NM_015703	NA	NA	yellow	0.83159	
<i>CHEK1</i>	NM_001274	rs13015323	9.11E-03	yellow	0.93074	
<i>CLIC1</i>	NM_001288	rs7787057	1.24E-02	yellow	0.94956	
<i>CLU</i>	NM_001831	rs11074865	5.19E-02	yellow	0.86774	
<i>COPS6</i>	NM_006833	rs1335270	6.02E-03	yellow	0.63919	
<i>CPT1C</i>	NM_152359	rs930185	4.24E-03	yellow	0.82217	
<i>CPVL</i>	NM_031311	rs4893602	4.60E-04	yellow	0.79952	
<i>CREG1</i>	NM_003851	rs221726	7.09E-02	yellow	0.97744	
<i>CRYL1</i>	NM_015974	rs11739635	3.90E-03	yellow	0.90290	
<i>CSMD2</i>	NM_052896	rs923881	1.80E-03	yellow	0.75691	
<i>CSNK1E</i>	NM_152221	rs7146299	1.13E-02	yellow	0.69281	
<i>CSPG5</i>	NM_006574	rs698334	1.06E-03	yellow	0.88602	
<i>CTSC</i>	NM_001814	rs645063	4.75E-03	yellow	0.95820	
<i>CTSC</i>	NM_001814	rs645063	4.75E-03	yellow	0.97696	
<i>CUGBP2</i>	NM_006561	NA	NA	yellow	0.90792	
<i>CYB5R2</i>	NM_016229	rs12448409	5.66E-06	yellow	0.79528	
<i>CYP21A2</i>	NM_000500	rs12454634	3.11E-03	yellow	0.90302	
<i>CYP26A1</i>	NM_057157	rs10786069	1.66E-02	yellow	0.86692	
<i>CYP46A1</i>	NM_006668	rs1441383	3.46E-03	yellow	0.86818	
<i>CYP4V2</i>	NM_207352	rs2595381	3.61E-02	yellow	0.83475	
<i>D4S234E</i>	NM_014392	rs350181	3.32E-03	yellow	0.99452	
<i>DBX2</i>	NM_001004329	rs766117	8.23E-03	yellow	0.88951	
<i>DCAMKL1</i>	NM_004734	NA	NA	yellow	0.95896	
<i>DDX10</i>	NM_004398	rs1999487	4.23E-03	yellow	0.80163	
<i>DLEC1</i>	NM_007337	rs11070241	4.65E-03	yellow	0.91058	
<i>DLX1</i>	NM_178120	rs13390848	5.30E-02	yellow	0.95686	autism
<i>DLX1</i>	NM_001038493	rs13390848	5.30E-02	yellow	0.70319	
<i>DMRT2</i>	NM_181872	rs789029	4.51E-03	yellow	0.59767	
<i>DNASE2</i>	NM_001375	rs1469217	5.93E-03	yellow	0.81671	
<i>DSU</i>	NM_018000	NA	NA	yellow	0.93223	
<i>EDN3</i>	NM_207033	rs1755834	1.03E-03	yellow	0.82254	
<i>ELAVL3</i>	NM_001420	rs2454803	2.37E-02	yellow	0.94428	
<i>ELAVL4</i>	NM_021952	rs6944602	5.99E-03	yellow	0.92221	
<i>Ells1</i>	NM_152793	NA	NA	yellow	0.97658	
<i>EMG1</i>	NM_006331	rs2149642	3.22E-03	yellow	0.65829	
<i>EML1</i>	NM_004434	rs17418706	1.67E-04	yellow	0.97495	
<i>EML1</i>	NM_004434	rs17418706	1.67E-04	yellow	0.91521	
<i>EPB41L4B</i>	NM_019114	rs10505135	3.90E-03	yellow	0.82053	
<i>FAM20C</i>	NM_020223	rs11991825	7.61E-03	yellow	0.56696	

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<i>FASN</i>	NM_004104	rs17098287	3.30E-03	yellow	0.80986
<i>FBN3</i>	NM_032447	rs4747647	1.20E-02	yellow	0.86801
<i>FLJ13912</i>	NM_022770	NA	NA	yellow	0.86869
<i>FLJ90805</i>	NM_173633	NA	NA	yellow	0.89959
<i>FLYWCH1</i>	NM_032296	rs11719615	4.78E-03	yellow	0.84026
<i>FOLR1</i>	NM_016724	rs1043149	4.19E-02	yellow	0.96943
<i>FOLR1</i>	NM_016724	rs1043149	4.19E-02	yellow	0.98240
<i>FYN</i>	NM_153047	rs475620	2.34E-03	yellow	0.83070
<i>FZD9</i>	NM_003508	rs17731153	1.57E-04	yellow	0.88383
<i>G3BP1</i>	NM_198395	rs4725434	9.55E-04	yellow	0.79723
<i>G6PD</i>	NM_000402	NA	NA	yellow	0.83309
<i>GAP43</i>	NM_002045	rs10934301	1.61E-03	yellow	0.79960
<i>GAS6</i>	NM_000820	rs4608128	3.36E-03	yellow	0.91584
<i>GAS6</i>	XM_942084	NA	NA	yellow	0.95645
<i>GATS</i>	NM_178831	rs2157372	9.21E-03	yellow	0.97118
<i>GDPD5</i>	NM_030792	rs1789250	9.51E-04	yellow	0.94691
<i>GLT25D1</i>	NM_024656	rs878545	6.43E-03	yellow	0.89155
<i>GLYCTK</i>	NM_145262	rs11973288	2.41E-02	yellow	0.83866
<i>GPNMB</i>	NM_001005340	rs7864583	4.09E-03	yellow	0.92908
<i>GPNMB</i>	NM_002510	rs7864583	4.09E-03	yellow	0.97661
<i>GPR37L1</i>	NM_004767	rs3795596	1.61E-01	yellow	0.96299
<i>GYG2</i>	NM_003918	NA	NA	yellow	0.90166
<i>H2AFY</i>	NM_138609	rs9857979	8.80E-04	yellow	0.81026
<i>HLA-E</i>	NM_005516	rs4867276	5.35E-03	yellow	0.81200
<i>HMMR</i>	NM_012484	rs4856711	3.15E-02	yellow	0.79406
<i>HPRT1</i>	NM_000194	NA	NA	yellow	0.94236
<i>HSA9761</i>	NM_014473	NA	NA	yellow	0.83741
<i>IBRDC1</i>	NM_152553	NA	NA	yellow	0.83739
<i>ID1</i>	NM_181353	rs7997640	6.64E-03	yellow	0.77972
<i>IER3</i>	NM_052815	NA	NA	yellow	0.92507
<i>IGFBP5</i>	NM_000599	rs2067041	6.96E-02	yellow	0.89647
<i>IGSF3</i>	NM_001542	rs6703791	1.82E-02	yellow	0.93000
<i>IGSF4B</i>	NM_021189	NA	NA	yellow	0.89952
<i>IL1RAP</i>	NM_002182	rs6434455	3.67E-03	yellow	0.79888
<i>IRAK1</i>	NM_001025243	NA	NA	yellow	0.84202
<i>ITGA3</i>	NM_002204	rs875511	5.38E-03	yellow	0.81280
<i>ITGB4</i>	NM_001005619	rs1351419	4.06E-04	yellow	0.80956
<i>KCNIP1</i>	NM_014592	rs7591026	6.64E-03	yellow	0.74305
<i>KCNJ13</i>	NM_002242	rs7564410	3.17E-01	yellow	0.80115
<i>KCNK2</i>	NM_001017424	rs17274552	1.30E-02	yellow	0.70120
<i>KIAA0256</i>	NM_014701	NA	NA	yellow	0.92540
<i>KIAA0828</i>	NM_015328	NA	NA	yellow	0.84713
<i>KIDINS220</i>	NM_020738	rs688523	3.62E-03	yellow	0.82249
<i>KIF3C</i>	NM_002254	rs4307059	1.07E-05	yellow	0.75204
<i>KLF12</i>	NM_007249	rs10879852	1.42E-03	yellow	0.93327
<i>LAMA2</i>	NM_000426	rs3807120	5.20E-04	yellow	0.82479
<i>LGR4</i>	NM_018490	rs10506018	4.81E-03	yellow	0.83109
<i>LIX1</i>	NM_153234	rs9556658	4.81E-03	yellow	0.85941
<i>LOC144501</i>	NM_182507	NA	NA	yellow	0.84337

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<i>LOC285016</i>	NM_001002919	NA	NA	yellow	0.88476	
<i>LOC388419</i>	NM_001080466	NA	NA	yellow	0.87030	
<i>LOC402055</i>	NM_001013694	NA	NA	yellow	0.74430	
<i>LOC91689</i>	NM_033318	NA	NA	yellow	0.92233	
<i>LPHN1</i>	NM_014921	rs724015	7.97E-03	yellow	0.86811	
<i>LY6H</i>	NM_002347	rs1476736	4.14E-02	yellow	0.92973	
<i>LY6H</i>	XM_937329	NA	NA	yellow	0.92641	
<i>MAP6</i>	NM_207577	rs2134837	8.66E-04	yellow	0.82739	
<i>MAPK10</i>	NM_138980	rs3860946	3.01E-03	yellow	0.98562	
<i>MAPK10</i>	NM_138980	rs3860946	3.01E-03	yellow	0.88207	
<i>MAPK10</i>	NM_138980	rs3860946	3.01E-03	yellow	0.86712	
<i>MAPK4</i>	NM_002747	rs2839159	6.83E-04	yellow	0.84139	
<i>MAPKAP1</i>	NM_001006618	rs4646703	1.03E-02	yellow	0.65359	
<i>MAPT</i>	NM_016841	rs10742587	2.09E-03	yellow	1.00000	
<i>METTL7A</i>	NM_014033	rs2498472	2.44E-02	yellow	0.75340	
<i>MOAP1</i>	NM_022151	rs12594014	1.40E-02	yellow	0.85670	
<i>MRCL3</i>	NM_006471	NA	NA	yellow	0.80601	
<i>MRPL12</i>	NM_002949	rs10162548	1.37E-03	yellow	0.79110	
<i>MRRF</i>	NM_138777	rs1011151	1.48E-03	yellow	0.84313	
<i>MTHFD1</i>	NM_005956	rs1002446	2.32E-03	yellow	0.83367	
<i>MUM1</i>	NM_032853	rs10809917	2.22E-03	yellow	0.75411	
<i>MVD</i>	NM_002461	rs4932449	1.87E-02	yellow	0.84228	
<i>MXD4</i>	NM_006454	rs17659078	6.92E-03	yellow	0.92930	
<i>MYO5A</i>	NM_000259	rs913465	3.20E-03	yellow	0.81440	
<i>MYOHD1</i>	NM_001033580	NA	NA	yellow	0.74298	
<i>NCOA1</i>	NM_147223	rs2975186	1.78E-03	yellow	0.95359	
<i>NCOA3</i>	NM_006534	rs10493120	4.23E-03	yellow	0.87024	
<i>NDVIP1</i>	NM_030571	rs891989	2.61E-02	yellow	0.80672	
<i>NEFL</i>	NM_006158	rs10248878	6.66E-03	yellow	0.92577	
<i>NETO1</i>	NM_153181	rs10997574	1.36E-03	yellow	0.97115	
<i>NETO1</i>	NM_138999	rs6566663	1.53E-03	yellow	0.95578	
<i>NME1</i>	NM_000269	rs11702684	1.83E-03	yellow	0.70074	
<i>NME1</i>	NM_198175	rs11702684	1.83E-03	yellow	0.89473	
<i>NRXN2</i>	NM_015080	rs1034505	3.37E-03	yellow	0.92006	
<i>NSDHL</i>	NM_015922	NA	NA	yellow	0.91969	
<i>NT5E</i>	NM_002526	rs10735255	1.01E-02	yellow	0.85844	
<i>OLFM2</i>	NM_058164	rs3786095	1.84E-04	yellow	0.66330	
<i>OMG</i>	NM_002544	rs17309356	6.70E-03	yellow	0.95697	
<i>OSBPL10</i>	NM_017784	rs17508455	4.07E-04	yellow	0.76324	
<i>P2RX4</i>	NM_175568	NA	NA	yellow	0.78902	
<i>PA2G4</i>	NM_006191	rs354211	4.79E-03	yellow	0.79799	
<i>PAK1</i>	NM_002576	rs1176811	1.63E-03	yellow	0.94299	
<i>PAQR6</i>	NM_024897	rs1444676	4.40E-02	yellow	0.90991	
<i>PAQR6</i>	NM_198406	rs1444676	4.40E-02	yellow	0.95025	
<i>PCDH9</i>	NM_020403	rs10492203	5.23E-04	yellow	0.70446	autism
<i>PCOLCE2</i>	NM_013363	rs9484795	3.31E-02	yellow	0.84013	
<i>PCP4</i>	NM_006198	rs3783167	2.13E-04	yellow	0.93724	
<i>PDLIM3</i>	NM_014476	rs9832000	2.27E-02	yellow	0.91617	
<i>PFKP</i>	NM_002627	rs2551043	3.62E-03	yellow	0.85092	

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<i>PHKG1</i>	NM_006213	rs3741414	1.07E-02	yellow	0.88957	
<i>PHYHIPL</i>	NM_032439	rs7071102	6.66E-03	yellow	0.99707	
<i>PKM2</i>	NM_182470	rs12883168	5.01E-03	yellow	0.58066	
<i>PLEKHA7</i>	NM_175058	rs4321183	9.42E-04	yellow	0.87637	
<i>PLS1</i>	NM_002670	rs358660	1.12E-02	yellow	0.97380	
<i>PLTP</i>	NM_006227	rs1979470	1.64E-02	yellow	0.88437	
<i>PODXL2</i>	NM_015720	rs11242001	6.85E-03	yellow	0.94131	
<i>PPP1R13B</i>	NM_015316	rs7543626	3.26E-04	yellow	0.85473	
<i>PPP1R1B</i>	NM_181505	rs8096947	2.56E-02	yellow	0.94222	
<i>PPP2R2B</i>	NM_181676	rs2272714	5.79E-03	yellow	0.90092	
<i>PPP2R2B</i>	NM_181676	rs2272714	5.79E-03	yellow	0.86443	
<i>PRG2</i>	NM_024888	NA	NA	yellow	0.84548	
<i>PRODH</i>	NM_016335	rs13278771	1.55E-02	yellow	0.90419	
<i>PRPH</i>	NM_006262	rs12902281	1.29E-02	yellow	0.81378	
<i>PRRX1</i>	NM_022716	rs4131005	1.86E-03	yellow	0.76744	
<i>PSMC3IP</i>	NM_016556	rs4290385	3.28E-03	yellow	0.83482	
<i>PSRC1</i>	NM_001005290	rs7654972	1.09E-02	yellow	0.85442	
<i>PTGDS</i>	NM_000954	rs13405108	6.17E-03	yellow	0.97393	
<i>PTP4A3</i>	NM_007079	rs10935427	5.83E-03	yellow	0.93688	
<i>PTP4A3</i>	NM_007079	rs10935427	5.83E-03	yellow	0.86897	
<i>PTPRF</i>	NM_130440	rs1175222	9.94E-03	yellow	0.86507	
<i>PTPRO</i>	NM_030670	rs4416821	2.73E-03	yellow	0.83102	
<i>PTPRT</i>	NM_133170	rs3783167	2.13E-04	yellow	0.76729	
<i>RAFTLIN</i>	NM_015150	NA	NA	yellow	0.94348	
<i>BBPMS</i>	NM_001008712	rs4422383	2.46E-03	yellow	0.79703	
<i>RDH10</i>	NM_172037	rs9894295	9.47E-04	yellow	0.75886	
<i>RFC4</i>	NM_002916	rs322407	2.11E-03	yellow	0.94242	
<i>RFC4</i>	NM_002916	rs322407	2.11E-03	yellow	0.90149	
<i>RFC5</i>	NM_007370	rs6703791	1.82E-02	yellow	0.88099	
<i>RGS17</i>	NM_012419	rs755763	2.95E-03	yellow	0.92150	
<i>RIPK2</i>	NM_003821	rs17015982	5.05E-03	yellow	0.72315	
<i>RND3</i>	NM_005168	rs1844895	1.48E-02	yellow	0.86584	
<i>RNF128</i>	NM_194463	NA	NA	yellow	0.74921	
<i>RP11-19J3.3</i>	NM_001012267	NA	NA	yellow	0.70445	
<i>RPIP8</i>	NM_006695	NA	NA	yellow	0.97271	
<i>RPL29</i>	NM_000992	rs1789597	2.94E-02	yellow	0.91034	
<i>RPL6</i>	NM_001024662	rs4627009	4.46E-03	yellow	0.86237	
<i>RPS7</i>	NM_001011	rs17636496	2.72E-02	yellow	0.84917	
<i>RRAGB</i>	NM_006064	NA	NA	yellow	0.99039	
<i>RTN3</i>	NM_201430	rs2150031	6.09E-04	yellow	0.96064	
<i>RUVBL2</i>	NM_006666	rs11714003	1.47E-03	yellow	0.87819	
<i>SERPINH1</i>	NM_001235	rs4746136	1.80E-02	yellow	0.79507	
<i>SEZ6L2</i>	NM_201575	rs7640634	1.64E-02	yellow	0.92493	autism
<i>SHC1</i>	NM_003029	rs2239466	2.27E-03	yellow	0.80506	
<i>SHMT1</i>	NM_148918	rs1178339	1.34E-04	yellow	0.93532	
<i>SLC11A2</i>	NM_000617	rs10257300	9.30E-03	yellow	0.93303	
<i>SLC16A6</i>	NM_004694	rs2244625	2.78E-03	yellow	0.64555	
<i>SLC1A5</i>	NM_005628	rs6499586	1.02E-02	yellow	0.78478	
<i>SLC23A2</i>	NM_005116	rs6712088	3.32E-03	yellow	0.68222	

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<i>SLC38A3</i>	NM_006841	rs739431	8.66E-04	yellow	0.85704	
<i>SLC39A12</i>	NM_152725	rs7788359	5.73E-03	yellow	0.85639	
<i>SLC44A3</i>	NM_152369	rs4379388	1.23E-03	yellow	0.96196	
<i>SLC5A6</i>	NM_021095	rs11564037	7.57E-03	yellow	0.93200	
<i>SLC6A1</i>	NM_003042	rs985157	3.11E-03	yellow	0.81542	
<i>SLD5</i>	NM_032336	NA	NA	yellow	0.75517	
<i>SLITL2</i>	NM_138440	NA	NA	yellow	0.96856	
<i>SMS</i>	NM_004595	NA	NA	yellow	0.97045	
<i>SNAI2</i>	NM_003068	rs4793772	2.21E-02	yellow	0.80846	
<i>SNN</i>	NM_003498	rs17221495	1.68E-02	yellow	0.66908	
<i>SNRK</i>	NM_017719	rs6073692	5.17E-03	yellow	0.79750	
<i>SNTA1</i>	NM_003098	rs1278947	2.95E-02	yellow	0.95661	
<i>SPOCK2</i>	NM_014767	rs3780610	2.24E-02	yellow	0.89562	
<i>SRC</i>	NM_005417	rs2834772	4.08E-03	yellow	0.83167	
<i>SRM</i>	NM_003132	rs7194545	5.96E-03	yellow	0.77807	
<i>SRPX</i>	NM_006307	NA	NA	yellow	0.90987	
<i>SSBP3</i>	NM_145716	rs2126756	7.34E-03	yellow	0.75918	
<i>STC2</i>	NM_003714	rs17726121	6.87E-03	yellow	0.90706	
<i>SUV39H1</i>	NM_003173	NA	NA	yellow	0.77285	
<i>SYN1</i>	NM_006950	NA	NA	yellow	0.82835	epilepsy
<i>TBRG4</i>	NM_004749	rs6775113	4.72E-03	yellow	0.63005	
<i>TBRG4</i>	NM_030900	rs6775113	4.72E-03	yellow	0.90861	
<i>TBX2</i>	NM_005994	rs2968217	2.91E-03	yellow	0.79205	
<i>THOP1</i>	NM_003249	rs4765996	2.33E-03	yellow	0.84624	
<i>TIMP4</i>	NM_003256	rs2438583	2.47E-02	yellow	0.80103	
<i>TLE2</i>	NM_003260	rs8078781	1.59E-04	yellow	0.95116	
<i>TMEM108</i>	NM_023943	rs10093875	1.13E-03	yellow	0.73267	
<i>TRIM47</i>	NM_033452	rs1967880	2.43E-02	yellow	0.86358	
<i>TTYH2</i>	NM_052869	rs10784893	1.04E-02	yellow	0.86872	
<i>TUBG1</i>	NM_001070	rs4290385	3.28E-03	yellow	0.98632	
<i>TUBG1</i>	NM_001070	rs4290385	3.28E-03	yellow	0.86444	
<i>TXNDC5</i>	NM_022085	NA	NA	yellow	0.90540	
<i>UCP2</i>	NM_003355	rs1328855	5.23E-03	yellow	0.79964	
<i>VARS</i>	NM_006295	rs1951688	5.61E-03	yellow	0.78475	
<i>VASH1</i>	NM_014909	rs308927	6.64E-03	yellow	0.95108	autism
<i>VSNL1</i>	NM_003385	rs4504735	1.34E-03	yellow	0.77687	
<i>WDFY2</i>	NM_052950	rs1261117	4.60E-03	yellow	0.92541	
<i>WDR34</i>	NM_052844	rs6486676	1.41E-03	yellow	0.72632	
<i>WNT7A</i>	NM_004625	rs4757211	2.21E-03	yellow	0.63803	
<i>YPEL4</i>	NM_145008	rs950844	1.89E-02	yellow	0.86005	
<i>ZDHHC16</i>	NM_032327	rs1441383	3.46E-03	yellow	0.84710	
<i>ZFP37</i>	NM_003408	rs987694	1.13E-03	yellow	0.89434	
<i>ZNF177</i>	NM_003451	rs2168856	1.27E-02	yellow	0.91226	
<i>ZNF274</i>	NM_016324	rs7145302	2.64E-02	yellow	0.79652	
<i>ZNF447</i>	NM_023926	NA	NA	yellow	0.93013	
<i>ZNF484</i>	NM_031486	rs10992489	5.27E-03	yellow	0.79262	
<i>ZNF545</i>	NM_133466	NA	NA	yellow	0.82785	
<i>ZNF573</i>	NM_152360	rs7558605	1.43E-02	yellow	0.80801	
<i>ZNF706</i>	NM_001042511	rs7306825	1.60E-03	yellow	0.83390	

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<i>ZNF706</i>	NM_016096	rs7306825	1.60E-03	yellow	0.90069
<i>ZWILCH</i>	NR_003105	rs8052896	8.45E-03	yellow	0.91128

Supplementary Table 7**Gene ontology of ASD-related modules****Black Module**

Category	Term	Pvalue
GOTERM_BP_ALL	GO:0002504~antigen processing and presentation of peptide or polysaccharide antigen via MHC class II	2.61E-08
GOTERM_BP_ALL	GO:0007242~intracellular signaling cascade	6.18E-08
GOTERM_MF_ALL	GO:0005515~protein binding	2.13E-07
GOTERM_BP_ALL	GO:0009966~regulation of signal transduction	4.53E-07
GOTERM_BP_ALL	GO:0010646~regulation of cell communication	7.00E-07
GOTERM_BP_ALL	GO:0042325~regulation of phosphorylation	1.03E-06
GOTERM_BP_ALL	GO:0043549~regulation of kinase activity	1.68E-06
GOTERM_MF_ALL	GO:0032395~MHC class II receptor activity	1.85E-06
GOTERM_CC_ALL	GO:0044459~plasma membrane part	2.11E-06
GOTERM_BP_ALL	GO:0051174~regulation of phosphorus metabolic process	2.11E-06
GOTERM_BP_ALL	GO:0019220~regulation of phosphate metabolic process	2.11E-06
GOTERM_CC_ALL	GO:0042613~MHC class II protein complex	3.00E-06
GOTERM_BP_ALL	GO:0051338~regulation of transferase activity	3.29E-06
GOTERM_BP_ALL	GO:0045859~regulation of protein kinase activity	3.51E-06
GOTERM_BP_ALL	GO:0043407~negative regulation of MAP kinase activity	5.07E-06
GOTERM_BP_ALL	GO:0006469~negative regulation of protein kinase activity	7.11E-06
KEGG_PATHWAY	hsa04672:Intestinal immune network for IgA production	7.15E-06
GOTERM_BP_ALL	GO:0007243~protein kinase cascade	8.45E-06
GOTERM_BP_ALL	GO:0033673~negative regulation of kinase activity	9.66E-06
GOTERM_BP_ALL	GO:0000165~MAPKKK cascade	1.15E-05
GOTERM_BP_ALL	GO:0048869~cellular developmental process	1.17E-05
GOTERM_BP_ALL	GO:0030154~cell differentiation	1.51E-05
GOTERM_BP_ALL	GO:0051348~negative regulation of transferase activity	1.72E-05
GOTERM_MF_ALL	GO:0019887~protein kinase regulator activity	2.09E-05
GOTERM_BP_ALL	GO:0006796~phosphate metabolic process	2.53E-05
GOTERM_BP_ALL	GO:0006793~phosphorus metabolic process	2.53E-05
GOTERM_MF_ALL	GO:0019900~kinase binding	4.05E-05
KEGG_PATHWAY	hsa04010:MAPK signaling pathway	4.13E-05
GOTERM_BP_ALL	GO:0048731~system development	4.18E-05

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GENETIC_ASSOCIATION_DB_DISEASE	measles	4.92E-05
GOTERM_BP_ALL	GO:0048856~anatomical structure development	5.22E-05
GOTERM_MF_ALL	GO:0004860~protein kinase inhibitor activity	5.92E-05
GOTERM_MF_ALL	GO:0019207~kinase regulator activity	6.50E-05
GOTERM_MF_ALL	GO:0019210~kinase inhibitor activity	6.95E-05
GOTERM_MF_ALL	GO:0004672~protein kinase activity	7.15E-05
GOTERM_BP_ALL	GO:0048519~negative regulation of biological process	7.80E-05
GOTERM_BP_ALL	GO:0043405~regulation of MAP kinase activity	8.08E-05
GOTERM_BP_ALL	GO:0044092~negative regulation of molecular function	8.41E-05
GOTERM_BP_ALL	GO:0048518~positive regulation of biological process	8.70E-05
GOTERM_MF_ALL	GO:0016301~kinase activity	9.02E-05
GOTERM_BP_ALL	GO:0048468~cell development	1.08E-04
GOTERM_MF_ALL	GO:0019901~protein kinase binding	1.19E-04
GOTERM_BP_ALL	GO:0007165~signal transduction	1.28E-04
GOTERM_BP_ALL	GO:0048522~positive regulation of cellular process	1.37E-04
GOTERM_BP_ALL	GO:0045785~positive regulation of cell adhesion	1.41E-04
GOTERM_BP_ALL	GO:0006468~protein amino acid phosphorylation	1.63E-04
GOTERM_BP_ALL	GO:0016043~cellular component organization	1.64E-04
GOTERM_BP_ALL	GO:0009653~anatomical structure morphogenesis	1.66E-04
GOTERM_CC_ALL	GO:0005886~plasma membrane	1.77E-04
GOTERM_BP_ALL	GO:0019882~antigen processing and presentation	1.94E-04
GOTERM_BP_ALL	GO:0042326~negative regulation of phosphorylation	1.96E-04
GOTERM_MF_ALL	GO:0016772~transferase activity, transferring phosphorus-containing groups	2.15E-04
GOTERM_BP_ALL	GO:0048514~blood vessel morphogenesis	2.21E-04
GENETIC_ASSOCIATION_DB_DISEASE	bipolar disorder	2.50E-04
GOTERM_BP_ALL	GO:0010563~negative regulation of phosphorus metabolic process	2.84E-04
GOTERM_BP_ALL	GO:0045936~negative regulation of phosphate metabolic process	2.84E-04
GOTERM_BP_ALL	GO:0001666~response to hypoxia	2.91E-04
KEGG_PATHWAY	hsa05310:Asthma	2.95E-04
GOTERM_BP_ALL	GO:0032502~developmental process	2.98E-04
KEGG_PATHWAY	hsa04612:Antigen processing and presentation	3.36E-04
KEGG_PATHWAY	hsa05410:Hypertrophic cardiomyopathy (HCM)	3.36E-04
GOTERM_BP_ALL	GO:0042221~response to chemical stimulus	3.37E-04
GOTERM_BP_ALL	GO:0019886~antigen processing and presentation of exogenous peptide antigen via MHC class II	3.81E-04
GOTERM_BP_ALL	GO:0002495~antigen processing and presentation of peptide antigen via MHC class II	3.81E-04

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GOTERM_BP_ALL	GO:0070482~response to oxygen levels	4.14E-04
GOTERM_BP_ALL	GO:0051239~regulation of multicellular organismal process	4.35E-04
GOTERM_BP_ALL	GO:0007275~multicellular organismal development	4.69E-04
GOTERM_MF_ALL	GO:0016773~phosphotransferase activity, alcohol group as acceptor	4.76E-04
GOTERM_CC_ALL	GO:0044464~cell part	5.08E-04
GOTERM_CC_ALL	GO:0005623~cell	5.15E-04
KEGG_PATHWAY	hsa05416:Viral myocarditis	5.18E-04
GOTERM_BP_ALL	GO:0048583~regulation of response to stimulus	5.58E-04
GOTERM_BP_ALL	GO:0050732~negative regulation of peptidyl-tyrosine phosphorylation	5.63E-04
GOTERM_CC_ALL	GO:0042611~MHC protein complex	6.10E-04
GOTERM_BP_ALL	GO:0007154~cell communication	6.16E-04
GOTERM_MF_ALL	GO:0005488~binding	6.71E-04
GOTERM_BP_ALL	GO:0048585~negative regulation of response to stimulus	6.93E-04
GOTERM_CC_ALL	GO:0030054~cell junction	7.17E-04
GOTERM_MF_ALL	GO:0005102~receptor binding	7.26E-04
KEGG_PATHWAY	hsa05330:Allograft rejection	7.52E-04
GOTERM_BP_ALL	GO:0065009~regulation of molecular function	7.78E-04
GOTERM_BP_ALL	GO:0001568~blood vessel development	9.30E-04
GOTERM_BP_ALL	GO:0043086~negative regulation of catalytic activity	9.75E-04
GOTERM_BP_ALL	GO:0016310~phosphorylation	9.81E-04
GOTERM_BP_ALL	GO:0048513~organ development	1.03E-03
GENETIC_ASSOCIATION_DB_DISEASE	leukemia	1.04E-03
GOTERM_MF_ALL	GO:0019899~enzyme binding	1.05E-03
GOTERM_BP_ALL	GO:0002478~antigen processing and presentation of exogenous peptide antigen	1.08E-03
GOTERM_MF_ALL	GO:0008092~cytoskeletal protein binding	1.11E-03
KEGG_PATHWAY	hsa05332:Graft-versus-host disease	1.12E-03
GOTERM_BP_ALL	GO:0048699~generation of neurons	1.14E-03
GOTERM_BP_ALL	GO:0048523~negative regulation of cellular process	1.15E-03
GOTERM_BP_ALL	GO:0001944~vasculature development	1.17E-03
GOTERM_MF_ALL	GO:0004674~protein serine/threonine kinase activity	1.22E-03
GOTERM_BP_ALL	GO:0022008~neurogenesis	1.24E-03
GOTERM_CC_ALL	GO:0048471~perinuclear region of cytoplasm	1.25E-03
GOTERM_BP_ALL	GO:0042594~response to starvation	1.28E-03
GENETIC_ASSOCIATION_DB_DISEASE	infection, post allograft	1.29E-03
GENETIC_ASSOCIATION_DB_DISEASE	berylliosis	1.29E-03

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GOTERM_CC_ALL	GO:0031252~cell leading edge	1.34E-03
GOTERM_BP_ALL	GO:0022607~cellular component assembly	1.42E-03
GOTERM_BP_ALL	GO:0043412~biopolymer modification	1.43E-03
GOTERM_BP_ALL	GO:0050790~regulation of catalytic activity	1.45E-03
GOTERM_BP_ALL	GO:0031100~organ regeneration	1.50E-03
GOTERM_BP_ALL	GO:0032879~regulation of localization	1.50E-03
GOTERM_MF_ALL	GO:0030234~enzyme regulator activity	1.58E-03
GOTERM_BP_ALL	GO:0031669~cellular response to nutrient levels	1.58E-03
GOTERM_BP_ALL	GO:0050794~regulation of cellular process	1.58E-03
KEGG_PATHWAY	hsa04940:Type I diabetes mellitus	1.60E-03
KEGG_PATHWAY	hsa05200:Pathways in cancer	1.66E-03
GOTERM_BP_ALL	GO:0009967~positive regulation of signal transduction	1.73E-03
GOTERM_BP_ALL	GO:0010647~positive regulation of cell communication	1.80E-03
GOTERM_BP_ALL	GO:0050789~regulation of biological process	1.85E-03
KEGG_PATHWAY	hsa04144:Endocytosis	1.86E-03
GOTERM_BP_ALL	GO:0030182~neuron differentiation	2.04E-03
GOTERM_BP_ALL	GO:0006950~response to stress	2.06E-03
GOTERM_BP_ALL	GO:0031099~regeneration	2.22E-03
GOTERM_BP_ALL	GO:0019884~antigen processing and presentation of exogenous antigen	2.27E-03
GOTERM_BP_ALL	GO:0006928~cell motion	2.29E-03
GOTERM_BP_ALL	GO:0050896~response to stimulus	2.41E-03
GOTERM_BP_ALL	GO:0042127~regulation of cell proliferation	2.53E-03
GOTERM_BP_ALL	GO:0043687~post-translational protein modification	2.70E-03
GENETIC_ASSOCIATION_DB_DISEASE	cardiomyopathy	2.73E-03
GOTERM_CC_ALL	GO:0005625~soluble fraction	2.75E-03
GOTERM_BP_ALL	GO:0046627~negative regulation of insulin receptor signaling pathway	2.80E-03
GOTERM_CC_ALL	GO:0005912~adherens junction	2.87E-03
GOTERM_BP_ALL	GO:0001933~negative regulation of protein amino acid phosphorylation	2.93E-03
GOTERM_BP_ALL	GO:0007399~nervous system development	3.14E-03
GENETIC_ASSOCIATION_DB_DISEASE	antiphospholipid syndrome	3.19E-03
GOTERM_CC_ALL	GO:0009898~internal side of plasma membrane	3.19E-03
GOTERM_BP_ALL	GO:0009267~cellular response to starvation	3.30E-03
KEGG_PATHWAY	hsa04510:Focal adhesion	3.34E-03
GOTERM_CC_ALL	GO:0042995~cell projection	3.37E-03
GOTERM_BP_ALL	GO:0035295~tube development	3.56E-03

Supplementary Table 7

GOTERM_BP_ALL	GO:0070271~protein complex biogenesis	3.69E-03
GOTERM_BP_ALL	GO:0006461~protein complex assembly	3.69E-03
GOTERM_BP_ALL	GO:0043067~regulation of programmed cell death	3.77E-03
GOTERM_BP_ALL	GO:0007169~transmembrane receptor protein tyrosine kinase signaling pathway	3.80E-03
GOTERM_BP_ALL	GO:0010941~regulation of cell death	3.90E-03
GENETIC_ASSOCIATION_DB_DISEASE	hepatosplenic schistosomiasis japonica	3.91E-03
KEGG_PATHWAY	hsa05320:Autoimmune thyroid disease	3.98E-03
GOTERM_MF_ALL	GO:0030291~protein serine/threonine kinase inhibitor activity	3.98E-03
GENETIC_ASSOCIATION_DB_DISEASE	hepatocellular carcinoma	4.06E-03
GOTERM_MF_ALL	GO:0004713~protein tyrosine kinase activity	4.11E-03
GOTERM_BP_ALL	GO:0065007~biological regulation	4.14E-03
GOTERM_CC_ALL	GO:0005924~cell-substrate adherens junction	4.33E-03
GOTERM_BP_ALL	GO:0008285~negative regulation of cell proliferation	4.37E-03
GOTERM_BP_ALL	GO:0044085~cellular component biogenesis	4.53E-03
GOTERM_BP_ALL	GO:0009987~cellular process	4.54E-03
GOTERM_BP_ALL	GO:0002376~immune system process	4.57E-03
KEGG_PATHWAY	hsa05412:Arrhythmogenic right ventricular cardiomyopathy (ARVC)	4.85E-03
GOTERM_BP_ALL	GO:0030155~regulation of cell adhesion	4.93E-03
GOTERM_BP_ALL	GO:0050793~regulation of developmental process	4.98E-03
GOTERM_MF_ALL	GO:0032555~purine ribonucleotide binding	4.99E-03
GOTERM_MF_ALL	GO:0032553~ribonucleotide binding	4.99E-03
GOTERM_BP_ALL	GO:0006464~protein modification process	5.18E-03
GOTERM_BP_ALL	GO:0009628~response to abiotic stimulus	5.23E-03
GOTERM_BP_ALL	GO:0033554~cellular response to stress	5.23E-03
GOTERM_BP_ALL	GO:0046626~regulation of insulin receptor signaling pathway	5.63E-03
GOTERM_BP_ALL	GO:0048584~positive regulation of response to stimulus	5.67E-03
GOTERM_BP_ALL	GO:0007267~cell-cell signaling	5.73E-03
GOTERM_CC_ALL	GO:0070161~anchoring junction	5.76E-03
GOTERM_CC_ALL	GO:0030055~cell-substrate junction	5.87E-03
GOTERM_BP_ALL	GO:0044057~regulation of system process	6.05E-03
GOTERM_BP_ALL	GO:0007167~enzyme linked receptor protein signaling pathway	6.09E-03
GOTERM_BP_ALL	GO:0048666~neuron development	6.09E-03
GOTERM_BP_ALL	GO:0042981~regulation of apoptosis	6.29E-03
GENETIC_ASSOCIATION_DB_DISEASE	scleroderma; jaundice	6.41E-03
GOTERM_BP_ALL	GO:0000188~inactivation of MAPK activity	6.53E-03

Supplementary Table 7

GOTERM_MF_ALL	GO:0022843~voltage-gated cation channel activity	6.65E-03
GOTERM_CC_ALL	GO:0045121~membrane raft	6.78E-03
GOTERM_BP_ALL	GO:0051674~localization of cell	7.05E-03
GOTERM_BP_ALL	GO:0048870~cell motility	7.05E-03
GOTERM_BP_ALL	GO:0007010~cytoskeleton organization	7.11E-03
GOTERM_BP_ALL	GO:0002682~regulation of immune system process	7.14E-03
GOTERM_BP_ALL	GO:0051716~cellular response to stimulus	7.22E-03
GOTERM_BP_ALL	GO:0001570~vasculogenesis	7.43E-03
GOTERM_BP_ALL	GO:0045059~positive thymic T cell selection	7.45E-03
KEGG_PATHWAY	hsa05221:Acute myeloid leukemia	7.61E-03
GOTERM_BP_ALL	GO:0048646~anatomical structure formation involved in morphogenesis	7.66E-03
GOTERM_BP_ALL	GO:0016477~cell migration	7.77E-03
GOTERM_BP_ALL	GO:0001525~angiogenesis	7.83E-03
GOTERM_BP_ALL	GO:0031668~cellular response to extracellular stimulus	8.09E-03
GOTERM_BP_ALL	GO:0009888~tissue development	8.13E-03
GOTERM_CC_ALL	GO:0001726~ruffle	8.48E-03
GOTERM_MF_ALL	GO:0008047~enzyme activator activity	8.66E-03
GOTERM_BP_ALL	GO:0043065~positive regulation of apoptosis	8.71E-03
GOTERM_BP_ALL	GO:0040011~locomotion	9.01E-03
KEGG_PATHWAY	hsa05222:Small cell lung cancer	9.02E-03
GOTERM_CC_ALL	GO:0005737~cytoplasm	9.12E-03
GOTERM_BP_ALL	GO:0043068~positive regulation of programmed cell death	9.22E-03
GENETIC_ASSOCIATION_DB_DISEASE	cirrhosis, primary biliary	9.45E-03
GENETIC_ASSOCIATION_DB_DISEASE	cytokine resposne	9.45E-03
GENETIC_ASSOCIATION_DB_DISEASE	Plasmodium falciparum infection	9.45E-03
GENETIC_ASSOCIATION_DB_DISEASE	leishmaniasis	9.45E-03
GENETIC_ASSOCIATION_DB_DISEASE	mediterranean visceral leishmaniasis	9.45E-03
GOTERM_BP_ALL	GO:0010942~positive regulation of cell death	9.65E-03
GENETIC_ASSOCIATION_DB_DISEASE	retinopathy, diabetic	9.92E-03
GOTERM_BP_ALL	GO:0001822~kidney development	1.06E-02
GOTERM_MF_ALL	GO:0017076~purine nucleotide binding	1.14E-02
GOTERM_BP_ALL	GO:0010033~response to organic substance	1.14E-02
GOTERM_BP_ALL	GO:0030030~cell projection organization	1.16E-02
GOTERM_BP_ALL	GO:0048511~rhythmic process	1.17E-02
KEGG_PATHWAY	hsa05414:Dilated cardiomyopathy	1.19E-02

Supplementary Table 7

GOTERM_MF_ALL	GO:0032947~protein complex scaffold	1.20E-02
GOTERM_MF_ALL	GO:0050998~nitric-oxide synthase binding	1.23E-02
GENETIC_ASSOCIATION_DB_DISEASE	endometriosis	1.24E-02
GOTERM_BP_ALL	GO:0043368~positive T cell selection	1.24E-02
GOTERM_BP_ALL	GO:0045597~positive regulation of cell differentiation	1.25E-02
GOTERM_BP_ALL	GO:0045595~regulation of cell differentiation	1.26E-02
GOTERM_MF_ALL	GO:0005070~SH3/SH2 adaptor activity	1.37E-02
GOTERM_CC_ALL	GO:0005925~focal adhesion	1.38E-02
GOTERM_CC_ALL	GO:0043005~neuron projection	1.38E-02
KEGG_PATHWAY	hsa05322:Systemic lupus erythematosus	1.39E-02
GOTERM_BP_ALL	GO:0033674~positive regulation of kinase activity	1.40E-02
GOTERM_BP_ALL	GO:0008284~positive regulation of cell proliferation	1.43E-02
GENETIC_ASSOCIATION_DB_DISEASE	nasopharyngeal cancer	1.48E-02
GOTERM_CC_ALL	GO:0031226~intrinsic to plasma membrane	1.48E-02
GOTERM_BP_ALL	GO:0065003~macromolecular complex assembly	1.49E-02
GOTERM_BP_ALL	GO:0031667~response to nutrient levels	1.52E-02
GOTERM_BP_ALL	GO:0051051~negative regulation of transport	1.54E-02
GOTERM_BP_ALL	GO:0048732~gland development	1.54E-02
GOTERM_BP_ALL	GO:0030029~actin filament-based process	1.61E-02
GOTERM_BP_ALL	GO:0001932~regulation of protein amino acid phosphorylation	1.61E-02
GOTERM_BP_ALL	GO:0043933~macromolecular complex subunit organization	1.62E-02
GOTERM_BP_ALL	GO:0030097~hemopoiesis	1.67E-02
GOTERM_BP_ALL	GO:0007610~behavior	1.67E-02
GOTERM_BP_ALL	GO:0048002~antigen processing and presentation of peptide antigen	1.67E-02
GOTERM_BP_ALL	GO:0009893~positive regulation of metabolic process	1.70E-02
GOTERM_MF_ALL	GO:0003779~actin binding	1.70E-02
GOTERM_BP_ALL	GO:0045580~regulation of T cell differentiation	1.72E-02
GOTERM_BP_ALL	GO:0030705~cytoskeleton-dependent intracellular transport	1.72E-02
GOTERM_BP_ALL	GO:0007166~cell surface receptor linked signal transduction	1.73E-02
GENETIC_ASSOCIATION_DB_DISEASE	celiac disease	1.78E-02
GOTERM_BP_ALL	GO:0051347~positive regulation of transferase activity	1.79E-02
GOTERM_CC_ALL	GO:0005887~integral to plasma membrane	1.83E-02
GOTERM_BP_ALL	GO:0044093~positive regulation of molecular function	1.84E-02
GOTERM_BP_ALL	GO:0045768~positive regulation of anti-apoptosis	1.84E-02
GOTERM_BP_ALL	GO:0022409~positive regulation of cell-cell adhesion	1.85E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0002520~immune system development	1.86E-02
GOTERM_BP_ALL	GO:0001655~urogenital system development	1.98E-02
GOTERM_BP_ALL	GO:0007568~aging	1.98E-02
KEGG_PATHWAY	hsa04514:Cell adhesion molecules (CAMs)	2.01E-02
GOTERM_BP_ALL	GO:0000904~cell morphogenesis involved in differentiation	2.03E-02
GOTERM_BP_ALL	GO:0006917~induction of apoptosis	2.04E-02
GOTERM_BP_ALL	GO:0051049~regulation of transport	2.04E-02
GOTERM_BP_ALL	GO:0007611~learning or memory	2.06E-02
GOTERM_BP_ALL	GO:0000902~cell morphogenesis	2.07E-02
GOTERM_BP_ALL	GO:0012502~induction of programmed cell death	2.08E-02
GOTERM_BP_ALL	GO:0032989~cellular component morphogenesis	2.12E-02
GOTERM_BP_ALL	GO:0006955~immune response	2.12E-02
GOTERM_CC_ALL	GO:0032587~ruffle membrane	2.18E-02
GOTERM_BP_ALL	GO:0031116~positive regulation of microtubule polymerization	2.20E-02
GOTERM_BP_ALL	GO:0008354~germ cell migration	2.20E-02
GOTERM_BP_ALL	GO:0045596~negative regulation of cell differentiation	2.20E-02
GOTERM_BP_ALL	GO:0043085~positive regulation of catalytic activity	2.29E-02
GOTERM_MF_ALL	GO:0005524~ATP binding	2.32E-02
GOTERM_BP_ALL	GO:0051249~regulation of lymphocyte activation	2.35E-02
GOTERM_MF_ALL	GO:0000166~nucleotide binding	2.37E-02
GOTERM_BP_ALL	GO:0001936~regulation of endothelial cell proliferation	2.39E-02
GOTERM_BP_ALL	GO:0009887~organ morphogenesis	2.40E-02
GENETIC_ASSOCIATION_DB_DISEASE	autism	2.45E-02
GOTERM_BP_ALL	GO:0042493~response to drug	2.45E-02
GENETIC_ASSOCIATION_DB_DISEASE	Crohn's disease ulcerative colitis	2.46E-02
GOTERM_BP_ALL	GO:0006996~organelle organization	2.47E-02
GOTERM_BP_ALL	GO:0050863~regulation of T cell activation	2.50E-02
GOTERM_BP_ALL	GO:0016311~dephosphorylation	2.51E-02
GOTERM_BP_ALL	GO:0000278~mitotic cell cycle	2.51E-02
GOTERM_MF_ALL	GO:0033549~MAP kinase phosphatase activity	2.52E-02
GOTERM_MF_ALL	GO:0017017~MAP kinase tyrosine/serine/threonine phosphatase activity	2.52E-02
GOTERM_MF_ALL	GO:0004857~enzyme inhibitor activity	2.56E-02
GOTERM_BP_ALL	GO:0031112~positive regulation of microtubule polymerization or depolymerization	2.56E-02
GOTERM_BP_ALL	GO:0031113~regulation of microtubule polymerization	2.56E-02
GOTERM_BP_ALL	GO:0045061~thymic T cell selection	2.56E-02

Supplementary Table 7

GOTERM_CC_ALL	GO:0005622~intracellular	2.58E-02
GOTERM_BP_ALL	GO:0007067~mitosis	2.59E-02
GOTERM_BP_ALL	GO:0000280~nuclear division	2.59E-02
GOTERM_BP_ALL	GO:0046324~regulation of glucose import	2.60E-02
GOTERM_BP_ALL	GO:0009719~response to endogenous stimulus	2.62E-02
GOTERM_BP_ALL	GO:0051146~striated muscle cell differentiation	2.63E-02
GOTERM_BP_ALL	GO:0003018~vascular process in circulatory system	2.63E-02
GOTERM_CC_ALL	GO:0044424~intracellular part	2.64E-02
GOTERM_BP_ALL	GO:0022403~cell cycle phase	2.65E-02
GOTERM_BP_ALL	GO:0051093~negative regulation of developmental process	2.67E-02
GOTERM_BP_ALL	GO:0051301~cell division	2.69E-02
GOTERM_BP_ALL	GO:0030036~actin cytoskeleton organization	2.72E-02
GOTERM_BP_ALL	GO:0000087~M phase of mitotic cell cycle	2.72E-02
GOTERM_BP_ALL	GO:0051726~regulation of cell cycle	2.74E-02
GOTERM_BP_ALL	GO:0042692~muscle cell differentiation	2.79E-02
GOTERM_BP_ALL	GO:0014070~response to organic cyclic substance	2.79E-02
GOTERM_BP_ALL	GO:0010827~regulation of glucose transport	2.81E-02
GOTERM_MF_ALL	GO:0032559~adenyl ribonucleotide binding	2.82E-02
GOTERM_BP_ALL	GO:0009991~response to extracellular stimulus	2.86E-02
GOTERM_BP_ALL	GO:0045860~positive regulation of protein kinase activity	2.86E-02
GENETIC_ASSOCIATION_DB_DISEASE	psoriasis	2.92E-02
GOTERM_CC_ALL	GO:0005811~lipid particle	2.93E-02
GOTERM_BP_ALL	GO:0031098~stress-activated protein kinase signaling pathway	2.93E-02
GOTERM_BP_ALL	GO:0048534~hemopoietic or lymphoid organ development	3.00E-02
GENETIC_ASSOCIATION_DB_DISEASE	prostate cancer	3.01E-02
GOTERM_BP_ALL	GO:0001657~ureteric bud development	3.03E-02
GOTERM_MF_ALL	GO:0030674~protein binding, bridging	3.03E-02
GENETIC_ASSOCIATION_DB_DISEASE	graft-versus-host disease	3.07E-02
GOTERM_MF_ALL	GO:0005244~voltage-gated ion channel activity	3.08E-02
GOTERM_MF_ALL	GO:0022832~voltage-gated channel activity	3.08E-02
GOTERM_BP_ALL	GO:0051704~multi-organism process	3.10E-02
GOTERM_MF_ALL	GO:0022836~gated channel activity	3.13E-02
GENETIC_ASSOCIATION_DB_DISEASE	biliary atresia	3.18E-02
GOTERM_MF_ALL	GO:0016740~transferase activity	3.21E-02
GOTERM_BP_ALL	GO:0048285~organelle fission	3.24E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0045767~regulation of anti-apoptosis	3.26E-02
GOTERM_BP_ALL	GO:0045619~regulation of lymphocyte differentiation	3.26E-02
GOTERM_BP_ALL	GO:0030879~mammary gland development	3.26E-02
GOTERM_BP_ALL	GO:0040012~regulation of locomotion	3.27E-02
GOTERM_CC_ALL	GO:0031941~filamentous actin	3.33E-02
GOTERM_BP_ALL	GO:0051270~regulation of cell motion	3.37E-02
GOTERM_BP_ALL	GO:0048545~response to steroid hormone stimulus	3.37E-02
GOTERM_MF_ALL	GO:0005261~cation channel activity	3.52E-02
GOTERM_MF_ALL	GO:0060090~molecular adaptor activity	3.52E-02
GOTERM_CC_ALL	GO:0031410~cytoplasmic vesicle	3.55E-02
GOTERM_BP_ALL	GO:0032501~multicellular organismal process	3.64E-02
GOTERM_BP_ALL	GO:0010604~positive regulation of macromolecule metabolic process	3.66E-02
GENETIC_ASSOCIATION_DB_DISEASE	obesity	3.67E-02
GOTERM_BP_ALL	GO:0051241~negative regulation of multicellular organismal process	3.73E-02
GOTERM_MF_ALL	GO:0016538~cyclin-dependent protein kinase regulator activity	3.74E-02
GENETIC_ASSOCIATION_DB_DISEASE	diabetes mellitus	3.76E-02
GOTERM_BP_ALL	GO:0002684~positive regulation of immune system process	3.82E-02
GOTERM_MF_ALL	GO:0008176~tRNA (guanine-N7-)-methyltransferase activity	3.83E-02
GENETIC_ASSOCIATION_DB_DISEASE	kidney cancer	3.85E-02
GOTERM_BP_ALL	GO:0001765~membrane raft formation	3.86E-02
GOTERM_BP_ALL	GO:0051365~cellular response to potassium ion starvation	3.86E-02
GOTERM_MF_ALL	GO:0019992~diacylglycerol binding	3.87E-02
GOTERM_BP_ALL	GO:0002694~regulation of leukocyte activation	3.94E-02
GOTERM_CC_ALL	GO:0034702~ion channel complex	3.94E-02
GOTERM_BP_ALL	GO:0050730~regulation of peptidyl-tyrosine phosphorylation	3.97E-02
GENETIC_ASSOCIATION_DB_DISEASE	Alzheimer's Disease	4.05E-02
GOTERM_MF_ALL	GO:0004714~transmembrane receptor protein tyrosine kinase activity	4.06E-02
GOTERM_BP_ALL	GO:0007017~microtubule-based process	4.09E-02
GOTERM_BP_ALL	GO:0007155~cell adhesion	4.16E-02
GOTERM_BP_ALL	GO:0051094~positive regulation of developmental process	4.16E-02
GOTERM_BP_ALL	GO:0009790~embryonic development	4.16E-02
GOTERM_MF_ALL	GO:0005003~ephrin receptor activity	4.19E-02
GOTERM_CC_ALL	GO:0044456~synapse part	4.19E-02
GOTERM_BP_ALL	GO:0022610~biological adhesion	4.21E-02
GOTERM_BP_ALL	GO:0030324~lung development	4.26E-02

Supplementary Table 7

GOTERM_MF_ALL	GO:0004725~protein tyrosine phosphatase activity	4.30E-02
GOTERM_BP_ALL	GO:0048609~reproductive process in a multicellular organism	4.30E-02
GOTERM_BP_ALL	GO:0032504~multicellular organism reproduction	4.30E-02
GOTERM_BP_ALL	GO:0010035~response to inorganic substance	4.34E-02
GOTERM_MF_ALL	GO:0008138~protein tyrosine/serine/threonine phosphatase activity	4.45E-02
GOTERM_BP_ALL	GO:0030334~regulation of cell migration	4.52E-02
GENETIC_ASSOCIATION_DB_DISEASE	multiple sclerosis	4.55E-02
GOTERM_BP_ALL	GO:0006916~anti-apoptosis	4.55E-02
GENETIC_ASSOCIATION_DB_DISEASE	nephropathy in other diseases	4.57E-02
GOTERM_BP_ALL	GO:0030323~respiratory tube development	4.58E-02
KEGG_PATHWAY	hsa04722:Neurotrophin signaling pathway	4.60E-02
GOTERM_BP_ALL	GO:0043069~negative regulation of programmed cell death	4.61E-02
GOTERM_MF_ALL	GO:0001883~purine nucleoside binding	4.64E-02
GOTERM_MF_ALL	GO:0030295~protein kinase activator activity	4.65E-02
GOTERM_MF_ALL	GO:0046873~metal ion transmembrane transporter activity	4.65E-02
GOTERM_BP_ALL	GO:0060548~negative regulation of cell death	4.66E-02
GOTERM_BP_ALL	GO:0001937~negative regulation of endothelial cell proliferation	4.72E-02
GOTERM_BP_ALL	GO:0044087~regulation of cellular component biogenesis	4.73E-02
GOTERM_BP_ALL	GO:0050678~regulation of epithelial cell proliferation	4.76E-02
GOTERM_BP_ALL	GO:0051179~localization	4.89E-02

Pink Module

Category	Term	PValue
GOTERM_CC_ALL	GO:0000793~condensed chromosome	3.88E-06
GOTERM_CC_ALL	GO:0012505~endomembrane system	6.03E-06
GOTERM_CC_ALL	GO:0005694~chromosome	8.27E-06
GOTERM_MF_ALL	GO:0008092~cytoskeletal protein binding	1.26E-05
GOTERM_BP_ALL	GO:0007049~cell cycle	2.29E-05
GOTERM_CC_ALL	GO:0005737~cytoplasm	3.05E-05
GOTERM_CC_ALL	GO:0044427~chromosomal part	4.46E-05
GOTERM_CC_ALL	GO:0042995~cell projection	1.04E-04
GOTERM_CC_ALL	GO:0044459~plasma membrane part	1.15E-04
GOTERM_CC_ALL	GO:0044446~intracellular organelle part	1.76E-04

Supplementary Table 7

GOTERM_BP_ALL	GO:0022402~cell cycle process	2.01E-04
GOTERM_MF_ALL	GO:0005515~protein binding	2.12E-04
GOTERM_MF_ALL	GO:0003779~actin binding	2.21E-04
GOTERM_CC_ALL	GO:0044422~organelle part	2.58E-04
GOTERM_BP_ALL	GO:0007059~chromosome segregation	2.73E-04
GOTERM_BP_ALL	GO:0022403~cell cycle phase	3.12E-04
GOTERM_CC_ALL	GO:0044464~cell part	3.32E-04
GOTERM_CC_ALL	GO:0044424~intracellular part	3.33E-04
GOTERM_CC_ALL	GO:0044432~endoplasmic reticulum part	3.37E-04
GOTERM_CC_ALL	GO:0005623~cell	3.40E-04
GOTERM_CC_ALL	GO:0031252~cell leading edge	3.79E-04
GOTERM_MF_ALL	GO:0001882~nucleoside binding	4.80E-04
GOTERM_CC_ALL	GO:0043228~non-membrane-bounded organelle	4.80E-04
GOTERM_CC_ALL	GO:0043232~intracellular non-membrane-bounded organelle	4.80E-04
GOTERM_MF_ALL	GO:0030554~adenyl nucleotide binding	4.81E-04
GOTERM_BP_ALL	GO:0016043~cellular component organization	4.83E-04
GOTERM_CC_ALL	GO:0044444~cytoplasmic part	5.53E-04
GOTERM_MF_ALL	GO:0001883~purine nucleoside binding	5.72E-04
GOTERM_CC_ALL	GO:0005789~endoplasmic reticulum membrane	5.93E-04
GOTERM_CC_ALL	GO:0042175~nuclear envelope-endoplasmic reticulum network	6.18E-04
GOTERM_MF_ALL	GO:0005516~calmodulin binding	6.72E-04
GOTERM_CC_ALL	GO:0044428~nuclear part	7.24E-04
GOTERM_CC_ALL	GO:0000228~nuclear chromosome	7.98E-04
GOTERM_CC_ALL	GO:0005622~intracellular	8.33E-04
GOTERM_MF_ALL	GO:0032559~adenyl ribonucleotide binding	8.78E-04
GOTERM_CC_ALL	GO:0005886~plasma membrane	9.52E-04
GOTERM_BP_ALL	GO:0006297~nucleotide-excision repair, DNA gap filling	1.04E-03
GOTERM_MF_ALL	GO:0005524~ATP binding	1.20E-03
GOTERM_BP_ALL	GO:0006260~DNA replication	1.26E-03
GOTERM_MF_ALL	GO:0017076~purine nucleotide binding	1.28E-03
GOTERM_CC_ALL	GO:0005829~cytosol	1.32E-03
GOTERM_BP_ALL	GO:0007167~enzyme linked receptor protein signaling pathway	1.46E-03
GOTERM_CC_ALL	GO:0000794~condensed nuclear chromosome	1.92E-03
GOTERM_MF_ALL	GO:0032553~ribonucleotide binding	2.11E-03
GOTERM_MF_ALL	GO:0032555~purine ribonucleotide binding	2.11E-03

Supplementary Table 7

GOTERM_BP_ALL	GO:0000226~microtubule cytoskeleton organization	2.12E-03
KEGG_PATHWAY	hsa03030:DNA replication	2.13E-03
GOTERM_CC_ALL	GO:0043005~neuron projection	2.28E-03
GOTERM_BP_ALL	GO:0000278~mitotic cell cycle	2.47E-03
GOTERM_CC_ALL	GO:0000775~chromosome, centromeric region	2.54E-03
GOTERM_BP_ALL	GO:0000279~M phase	2.79E-03
GOTERM_BP_ALL	GO:0042490~mechanoreceptor differentiation	2.80E-03
GOTERM_BP_ALL	GO:0007017~microtubule-based process	2.86E-03
GOTERM_CC_ALL	GO:0031981~nuclear lumen	2.90E-03
GOTERM_CC_ALL	GO:0000267~cell fraction	3.46E-03
GOTERM_CC_ALL	GO:0043025~cell soma	3.47E-03
GOTERM_CC_ALL	GO:0031227~intrinsic to endoplasmic reticulum membrane	3.57E-03
GOTERM_CC_ALL	GO:0070013~intracellular organelle lumen	3.99E-03
GOTERM_MF_ALL	GO:0016772~transferase activity, transferring phosphorus-containing groups	4.21E-03
GOTERM_BP_ALL	GO:0006996~organelle organization	4.27E-03
GOTERM_CC_ALL	GO:0031090~organelle membrane	4.40E-03
GOTERM_CC_ALL	GO:0043233~organelle lumen	4.47E-03
GOTERM_CC_ALL	GO:0000779~condensed chromosome, centromeric region	4.90E-03
GOTERM_BP_ALL	GO:0007169~transmembrane receptor protein tyrosine kinase signaling pathway	5.39E-03
GOTERM_BP_ALL	GO:0006305~DNA alkylation	5.91E-03
GOTERM_BP_ALL	GO:0006306~DNA methylation	5.91E-03
GOTERM_BP_ALL	GO:0060113~inner ear receptor cell differentiation	5.91E-03
GOTERM_BP_ALL	GO:0006519~cellular amino acid and derivative metabolic process	6.04E-03
GOTERM_MF_ALL	GO:0005509~calcium ion binding	6.31E-03
GOTERM_CC_ALL	GO:0005654~nucleoplasm	6.52E-03
GOTERM_CC_ALL	GO:0045202~synapse	6.57E-03
GOTERM_CC_ALL	GO:0005624~membrane fraction	6.90E-03
GOTERM_MF_ALL	GO:0016301~kinase activity	6.94E-03
GOTERM_MF_ALL	GO:0000166~nucleotide binding	7.07E-03
GOTERM_MF_ALL	GO:0005488~binding	7.10E-03
GOTERM_CC_ALL	GO:0000777~condensed chromosome kinetochore	7.28E-03
GOTERM_CC_ALL	GO:0031974~membrane-enclosed lumen	7.61E-03
GOTERM_BP_ALL	GO:0032989~cellular component morphogenesis	8.06E-03
GOTERM_CC_ALL	GO:0030054~cell junction	8.35E-03
GOTERM_MF_ALL	GO:0015171~amino acid transmembrane transporter activity	8.57E-03

Supplementary Table 7

KEGG_PATHWAY	hsa00561:Glycerolipid metabolism	9.10E-03
GOTERM_CC_ALL	GO:0005626~insoluble fraction	9.11E-03
GOTERM_BP_ALL	GO:0046903~secretion	9.39E-03
GOTERM_BP_ALL	GO:0000731~DNA synthesis during DNA repair	9.44E-03
GOTERM_BP_ALL	GO:0050910~detection of mechanical stimulus involved in sensory perception of sound	9.44E-03
GOTERM_CC_ALL	GO:0005635~nuclear envelope	9.68E-03
GOTERM_BP_ALL	GO:0007010~cytoskeleton organization	1.01E-02
GOTERM_BP_ALL	GO:0007589~body fluid secretion	1.01E-02
GOTERM_CC_ALL	GO:0030496~midbody	1.03E-02
GOTERM_BP_ALL	GO:0009308~amine metabolic process	1.10E-02
GOTERM_BP_ALL	GO:0044106~cellular amine metabolic process	1.10E-02
GOTERM_CC_ALL	GO:0031300~intrinsic to organelle membrane	1.11E-02
GOTERM_CC_ALL	GO:0000776~kinetochore	1.12E-02
GOTERM_MF_ALL	GO:0003824~catalytic activity	1.14E-02
GOTERM_BP_ALL	GO:0006259~DNA metabolic process	1.19E-02
GOTERM_CC_ALL	GO:0030425~dendrite	1.27E-02
GOTERM_BP_ALL	GO:0009064~glutamine family amino acid metabolic process	1.31E-02
GOTERM_BP_ALL	GO:0051129~negative regulation of cellular component organization	1.32E-02
GOTERM_BP_ALL	GO:0051321~meiotic cell cycle	1.32E-02
GOTERM_MF_ALL	GO:0016773~phosphotransferase activity, alcohol group as acceptor	1.36E-02
GOTERM_BP_ALL	GO:0006793~phosphorus metabolic process	1.37E-02
GOTERM_BP_ALL	GO:0006796~phosphate metabolic process	1.37E-02
GOTERM_BP_ALL	GO:0006468~protein amino acid phosphorylation	1.37E-02
GOTERM_CC_ALL	GO:0001726~ruffle	1.42E-02
GOTERM_BP_ALL	GO:0048285~organelle fission	1.44E-02
GOTERM_CC_ALL	GO:0033267~axon part	1.48E-02
GOTERM_CC_ALL	GO:0043229~intracellular organelle	1.48E-02
GOTERM_BP_ALL	GO:0051320~S phase	1.53E-02
GOTERM_BP_ALL	GO:0000084~S phase of mitotic cell cycle	1.53E-02
GOTERM_CC_ALL	GO:0005856~cytoskeleton	1.59E-02
GOTERM_BP_ALL	GO:0051329~interphase of mitotic cell cycle	1.63E-02
GOTERM_BP_ALL	GO:0006865~amino acid transport	1.63E-02
GOTERM_CC_ALL	GO:0043226~organelle	1.66E-02
GOTERM_MF_ALL	GO:0046943~carboxylic acid transmembrane transporter activity	1.68E-02
GOTERM_BP_ALL	GO:0000910~cytokinesis	1.68E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0043412~biopolymer modification	1.69E-02
GOTERM_MF_ALL	GO:0030234~enzyme regulator activity	1.70E-02
GOTERM_BP_ALL	GO:0009987~cellular process	1.72E-02
GOTERM_BP_ALL	GO:0048839~inner ear development	1.73E-02
KEGG_PATHWAY	hsa04360:Axon guidance	1.74E-02
GOTERM_MF_ALL	GO:0005342~organic acid transmembrane transporter activity	1.80E-02
GOTERM_MF_ALL	GO:0051020~GTPase binding	1.86E-02
GOTERM_BP_ALL	GO:0046942~carboxylic acid transport	1.86E-02
GOTERM_BP_ALL	GO:0007127~meiosis I	1.89E-02
GOTERM_MF_ALL	GO:0008047~enzyme activator activity	1.91E-02
GOTERM_CC_ALL	GO:0030424~axon	1.91E-02
GOTERM_CC_ALL	GO:0005657~replication fork	1.92E-02
GOTERM_BP_ALL	GO:0006520~cellular amino acid metabolic process	1.93E-02
GOTERM_BP_ALL	GO:0015849~organic acid transport	1.96E-02
GOTERM_MF_ALL	GO:0030695~GTPase regulator activity	1.97E-02
GOTERM_CC_ALL	GO:0030027~lamellipodium	1.98E-02
GOTERM_BP_ALL	GO:0051325~interphase	1.99E-02
GOTERM_BP_ALL	GO:0043583~ear development	2.02E-02
GOTERM_BP_ALL	GO:0007268~synaptic transmission	2.06E-02
GOTERM_CC_ALL	GO:0016020~membrane	2.06E-02
GOTERM_MF_ALL	GO:0016740~transferase activity	2.09E-02
GOTERM_BP_ALL	GO:0007051~spindle organization	2.11E-02
GOTERM_BP_ALL	GO:0006304~DNA modification	2.12E-02
GOTERM_MF_ALL	GO:0046873~metal ion transmembrane transporter activity	2.12E-02
GENETIC_ASSOCIATION_DB_DISEASE	schizophrenia	2.13E-02
GOTERM_MF_ALL	GO:0005272~sodium channel activity	2.14E-02
GOTERM_CC_ALL	GO:0005954~calcium- and calmodulin-dependent protein kinase complex	2.20E-02
GOTERM_BP_ALL	GO:0043687~post-translational protein modification	2.24E-02
KEGG_PATHWAY	hsa00564:Glycerophospholipid metabolism	2.53E-02
GOTERM_MF_ALL	GO:0060589~nucleoside-triphosphatase regulator activity	2.59E-02
GOTERM_CC_ALL	GO:0005887~integral to plasma membrane	2.67E-02
KEGG_PATHWAY	hsa03430:Mismatch repair	2.72E-02
GOTERM_BP_ALL	GO:0015813~L-glutamate transport	2.75E-02
GOTERM_BP_ALL	GO:0050974~detection of mechanical stimulus involved in sensory perception	2.75E-02
GOTERM_BP_ALL	GO:0051327~M phase of meiotic cell cycle	2.82E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0007126~meiosis	2.82E-02
GOTERM_MF_ALL	GO:0042803~protein homodimerization activity	2.85E-02
GOTERM_CC_ALL	GO:0043198~dendritic shaft	2.90E-02
GOTERM_BP_ALL	GO:0006464~protein modification process	2.94E-02
GOTERM_BP_ALL	GO:0000902~cell morphogenesis	2.97E-02
GOTERM_BP_ALL	GO:0051179~localization	3.05E-02
GOTERM_CC_ALL	GO:0043679~nerve terminal	3.06E-02
GOTERM_MF_ALL	GO:0005275~amine transmembrane transporter activity	3.11E-02
GOTERM_MF_ALL	GO:0005261~cation channel activity	3.16E-02
GOTERM_CC_ALL	GO:0031226~intrinsic to plasma membrane	3.19E-02
GOTERM_CC_ALL	GO:0005663~DNA replication factor C complex	3.19E-02
GOTERM_CC_ALL	GO:0009986~cell surface	3.24E-02
GOTERM_CC_ALL	GO:0044454~nuclear chromosome part	3.30E-02
GOTERM_MF_ALL	GO:0046983~protein dimerization activity	3.33E-02
GOTERM_BP_ALL	GO:0006268~DNA unwinding during replication	3.37E-02
GOTERM_BP_ALL	GO:0010171~body morphogenesis	3.37E-02
GOTERM_BP_ALL	GO:0000280~nuclear division	3.44E-02
GOTERM_BP_ALL	GO:0007067~mitosis	3.44E-02
GOTERM_MF_ALL	GO:0022892~substrate-specific transporter activity	3.45E-02
GOTERM_BP_ALL	GO:0000087~M phase of mitotic cell cycle	3.72E-02
GOTERM_MF_ALL	GO:0004143~diacylglycerol kinase activity	3.75E-02
GOTERM_BP_ALL	GO:0048015~phosphoinositide-mediated signaling	3.77E-02
GOTERM_MF_ALL	GO:0022891~substrate-specific transmembrane transporter activity	3.79E-02
GOTERM_BP_ALL	GO:0010721~negative regulation of cell development	3.79E-02
GOTERM_BP_ALL	GO:0000070~mitotic sister chromatid segregation	3.80E-02
GOTERM_BP_ALL	GO:0007205~activation of protein kinase C activity by G-protein coupled receptor protein signaling pathway	3.80E-02
GOTERM_BP_ALL	GO:0040029~regulation of gene expression, epigenetic	3.88E-02
GOTERM_BP_ALL	GO:0050000~chromosome localization	4.05E-02
GOTERM_BP_ALL	GO:0051303~establishment of chromosome localization	4.05E-02
GOTERM_BP_ALL	GO:0015800~acidic amino acid transport	4.05E-02
GOTERM_MF_ALL	GO:0015179~L-amino acid transmembrane transporter activity	4.17E-02
GOTERM_BP_ALL	GO:0000819~sister chromatid segregation	4.21E-02
GOTERM_CC_ALL	GO:0016323~basolateral plasma membrane	4.21E-02
GOTERM_BP_ALL	GO:0016310~phosphorylation	4.25E-02
GOTERM_BP_ALL	GO:0033043~regulation of organelle organization	4.38E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0007173~epidermal growth factor receptor signaling pathway	4.44E-02
GOTERM_BP_ALL	GO:0048468~cell development	4.44E-02
GOTERM_BP_ALL	GO:0006333~chromatin assembly or disassembly	4.70E-02
GENETIC_ASSOCIATION_DB_DISEASE	temperament	4.75E-02
GOTERM_BP_ALL	GO:0050982~detection of mechanical stimulus	4.79E-02
GOTERM_BP_ALL	GO:0008634~negative regulation of survival gene product expression	4.81E-02
GOTERM_BP_ALL	GO:0010632~regulation of epithelial cell migration	4.81E-02
GOTERM_BP_ALL	GO:0031503~protein complex localization	4.81E-02
GOTERM_BP_ALL	GO:0015810~aspartate transport	4.81E-02
GOTERM_CC_ALL	GO:0043231~intracellular membrane-bounded organelle	4.86E-02
GOTERM_BP_ALL	GO:0051338~regulation of transferase activity	4.88E-02
GOTERM_BP_ALL	GO:0001764~neuron migration	4.88E-02
GOTERM_CC_ALL	GO:0044425~membrane part	4.99E-02

Royal blue Module

Category	Term	PValue
GOTERM_BP_ALL	GO:0007155~cell adhesion	7.42E-06
GOTERM_BP_ALL	GO:0022610~biological adhesion	7.76E-06
KEGG_PATHWAY	hsa00230:Purine metabolism	1.11E-04
GOTERM_BP_ALL	GO:0007399~nervous system development	2.21E-04
GOTERM_BP_ALL	GO:0048731~system development	2.56E-04
GOTERM_CC_ALL	GO:0005578~proteinaceous extracellular matrix	3.88E-04
GOTERM_CC_ALL	GO:0044459~plasma membrane part	4.61E-04
GOTERM_CC_ALL	GO:0031012~extracellular matrix	6.03E-04
GOTERM_BP_ALL	GO:0048856~anatomical structure development	6.18E-04
GOTERM_MF_ALL	GO:0005509~calcium ion binding	6.93E-04
GOTERM_MF_ALL	GO:0005515~protein binding	7.55E-04
GOTERM_BP_ALL	GO:0032502~developmental process	1.16E-03
GOTERM_BP_ALL	GO:0007275~multicellular organismal development	1.34E-03
GOTERM_BP_ALL	GO:0005996~monosaccharide metabolic process	1.87E-03
GOTERM_BP_ALL	GO:0022008~neurogenesis	2.30E-03
GOTERM_BP_ALL	GO:0042445~hormone metabolic process	2.30E-03
GOTERM_BP_ALL	GO:0006979~response to oxidative stress	2.54E-03

Supplementary Table 7

GOTERM_BP_ALL	GO:0001755~neural crest cell migration	2.56E-03
GOTERM_BP_ALL	GO:0014033~neural crest cell differentiation	2.74E-03
GOTERM_BP_ALL	GO:0014032~neural crest cell development	2.74E-03
GOTERM_CC_ALL	GO:0005886~plasma membrane	2.84E-03
GOTERM_BP_ALL	GO:0006006~glucose metabolic process	3.02E-03
GOTERM_BP_ALL	GO:0030182~neuron differentiation	4.12E-03
GOTERM_MF_ALL	GO:0016772~transferase activity, transferring phosphorus-containing groups	4.36E-03
GOTERM_BP_ALL	GO:0044275~cellular carbohydrate catabolic process	4.45E-03
GOTERM_BP_ALL	GO:0019318~hexose metabolic process	5.04E-03
GOTERM_BP_ALL	GO:0001667~ameboidal cell migration	5.06E-03
GOTERM_BP_ALL	GO:0007167~enzyme linked receptor protein signaling pathway	5.10E-03
GOTERM_MF_ALL	GO:0005488~binding	5.56E-03
GOTERM_CC_ALL	GO:0044421~extracellular region part	5.58E-03
GOTERM_CC_ALL	GO:0048471~perinuclear region of cytoplasm	5.75E-03
GOTERM_BP_ALL	GO:0048699~generation of neurons	5.96E-03
GOTERM_BP_ALL	GO:0045597~positive regulation of cell differentiation	6.25E-03
GOTERM_BP_ALL	GO:0014031~mesenchymal cell development	6.82E-03
GOTERM_BP_ALL	GO:0048762~mesenchymal cell differentiation	6.82E-03
GOTERM_BP_ALL	GO:0060485~mesenchyme development	7.60E-03
GOTERM_BP_ALL	GO:0016051~carbohydrate biosynthetic process	8.86E-03
GOTERM_MF_ALL	GO:0016779~nucleotidyltransferase activity	9.01E-03
GOTERM_CC_ALL	GO:0031225~anchored to membrane	9.37E-03
GOTERM_MF_ALL	GO:0008013~beta-catenin binding	9.62E-03
GOTERM_BP_ALL	GO:0046164~alcohol catabolic process	9.79E-03
GENETIC_ASSOCIATION_DB_DISEASE	colorectal cancer	1.02E-02
GOTERM_BP_ALL	GO:0006720~isoprenoid metabolic process	1.08E-02
GOTERM_BP_ALL	GO:0034599~cellular response to oxidative stress	1.08E-02
GOTERM_MF_ALL	GO:0005102~receptor binding	1.14E-02
GOTERM_BP_ALL	GO:0051094~positive regulation of developmental process	1.22E-02
GOTERM_BP_ALL	GO:0040012~regulation of locomotion	1.23E-02
GOTERM_MF_ALL	GO:0016740~transferase activity	1.29E-02
GOTERM_BP_ALL	GO:0009890~negative regulation of biosynthetic process	1.30E-02
GOTERM_BP_ALL	GO:0046165~alcohol biosynthetic process	1.35E-02
GOTERM_CC_ALL	GO:0046658~anchored to plasma membrane	1.38E-02
GOTERM_MF_ALL	GO:0016918~retinal binding	1.42E-02

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GOTERM_BP_ALL	GO:0006066~alcohol metabolic process	1.44E-02
GOTERM_BP_ALL	GO:0010646~regulation of cell communication	1.44E-02
GOTERM_BP_ALL	GO:0007156~homophilic cell adhesion	1.45E-02
GOTERM_BP_ALL	GO:0010817~regulation of hormone levels	1.49E-02
KEGG_PATHWAY	hsa00240:Pyrimidine metabolism	1.49E-02
GOTERM_BP_ALL	GO:0031327~negative regulation of cellular biosynthetic process	1.54E-02
GOTERM_BP_ALL	GO:0006310~DNA recombination	1.57E-02
GOTERM_BP_ALL	GO:0007178~transmembrane receptor protein serine/threonine kinase signaling pathway	1.57E-02
GOTERM_CC_ALL	GO:0019898~extrinsic to membrane	1.62E-02
GOTERM_CC_ALL	GO:0005593~FACIT collagen	1.73E-02
GOTERM_MF_ALL	GO:0015291~secondary active transmembrane transporter activity	1.74E-02
GOTERM_BP_ALL	GO:0006776~vitamin A metabolic process	1.84E-02
GOTERM_BP_ALL	GO:0001523~retinoid metabolic process	1.84E-02
GOTERM_BP_ALL	GO:0016101~diterpenoid metabolic process	1.84E-02
GOTERM_BP_ALL	GO:0030334~regulation of cell migration	1.91E-02
GOTERM_BP_ALL	GO:0009892~negative regulation of metabolic process	1.92E-02
GOTERM_MF_ALL	GO:0005083~small GTPase regulator activity	2.09E-02
GOTERM_BP_ALL	GO:0006275~regulation of DNA replication	2.12E-02
GOTERM_BP_ALL	GO:0030278~regulation of ossification	2.25E-02
GOTERM_CC_ALL	GO:0044420~extracellular matrix part	2.26E-02
GOTERM_BP_ALL	GO:0016052~carbohydrate catabolic process	2.26E-02
GOTERM_BP_ALL	GO:0007263~nitric oxide mediated signal transduction	2.30E-02
GOTERM_MF_ALL	GO:0008092~cytoskeletal protein binding	2.42E-02
GOTERM_BP_ALL	GO:0046364~monosaccharide biosynthetic process	2.43E-02
GOTERM_BP_ALL	GO:0045669~positive regulation of osteoblast differentiation	2.45E-02
GOTERM_BP_ALL	GO:0006695~cholesterol biosynthetic process	2.45E-02
GOTERM_BP_ALL	GO:0006721~terpenoid metabolic process	2.45E-02
GOTERM_CC_ALL	GO:0031226~intrinsic to plasma membrane	2.45E-02
GOTERM_MF_ALL	GO:0005201~extracellular matrix structural constituent	2.53E-02
GOTERM_MF_ALL	GO:0060589~nucleoside-triphosphatase regulator activity	2.59E-02
GOTERM_MF_ALL	GO:0070568~guanylyltransferase activity	2.62E-02
GOTERM_BP_ALL	GO:0051270~regulation of cell motion	2.64E-02
GOTERM_MF_ALL	GO:0050681~androgen receptor binding	2.64E-02
GOTERM_BP_ALL	GO:0031324~negative regulation of cellular metabolic process	2.71E-02
GOTERM_BP_ALL	GO:0010558~negative regulation of macromolecule biosynthetic process	2.72E-02

Supplementary Table 7

GOTERM_BP_ALL	GO:0051130~positive regulation of cellular component organization	3.09E-02
GOTERM_BP_ALL	GO:0051052~regulation of DNA metabolic process	3.16E-02
GOTERM_BP_ALL	GO:0009966~regulation of signal transduction	3.19E-02
GOTERM_BP_ALL	GO:0050850~positive regulation of calcium-mediated signaling	3.31E-02
GOTERM_BP_ALL	GO:0019320~hexose catabolic process	3.32E-02
GOTERM_MF_ALL	GO:0030695~GTPase regulator activity	3.36E-02
GOTERM_BP_ALL	GO:0050793~regulation of developmental process	3.37E-02
GOTERM_BP_ALL	GO:0042476~odontogenesis	3.40E-02
GOTERM_CC_ALL	GO:0005606~laminin-1 complex	3.42E-02
GOTERM_MF_ALL	GO:0016301~kinase activity	3.44E-02
GOTERM_BP_ALL	GO:0034637~cellular carbohydrate biosynthetic process	3.55E-02
GOTERM_MF_ALL	GO:0005536~glucose binding	3.56E-02
GOTERM_BP_ALL	GO:0045859~regulation of protein kinase activity	3.69E-02
GOTERM_BP_ALL	GO:0046365~monosaccharide catabolic process	3.80E-02
GOTERM_BP_ALL	GO:0009987~cellular process	3.85E-02
GOTERM_MF_ALL	GO:0008134~transcription factor binding	3.90E-02
GOTERM_MF_ALL	GO:0051427~hormone receptor binding	3.91E-02
GOTERM_BP_ALL	GO:0007169~transmembrane receptor protein tyrosine kinase signaling pathway	3.98E-02
KEGG_PATHWAY	hsa03440:Homologous recombination	4.07E-02
GOTERM_MF_ALL	GO:0019205~nucleobase, nucleoside, nucleotide kinase activity	4.07E-02
GOTERM_CC_ALL	GO:0005737~cytoplasm	4.35E-02
KEGG_PATHWAY	hsa00620:Pyruvate metabolism	4.40E-02
GOTERM_CC_ALL	GO:0030934~anchoring collagen	4.43E-02
GOTERM_BP_ALL	GO:0030501~positive regulation of bone mineralization	4.51E-02
GENETIC_ASSOCIATION_DB_DISEASE	cerebrovascular disease	4.56E-02
GOTERM_CC_ALL	GO:0043232~intracellular non-membrane-bounded organelle	4.58E-02
GOTERM_CC_ALL	GO:0043228~non-membrane-bounded organelle	4.58E-02
GOTERM_BP_ALL	GO:0007179~transforming growth factor beta receptor signaling pathway	4.59E-02
GOTERM_BP_ALL	GO:0051338~regulation of transferase activity	4.65E-02
GOTERM_BP_ALL	GO:0048869~cellular developmental process	4.78E-02
GOTERM_CC_ALL	GO:0005576~extracellular region	4.90E-02
GOTERM_BP_ALL	GO:0000302~response to reactive oxygen species	4.90E-02
GOTERM_BP_ALL	GO:0034754~cellular hormone metabolic process	4.93E-02
GOTERM_BP_ALL	GO:0008284~positive regulation of cell proliferation	4.97E-02
GENETIC_ASSOCIATION_DB_DISEASE	<i>schizophrenia</i>	5.86E-02

Supplementary Table 7

Turquoise Module

Category	Term	PValue
GOTERM_CC_ALL	GO:0043005~neuron projection	1.27E-06
GOTERM_BP_ALL	GO:0007399~nervous system development	5.41E-06
GOTERM_BP_ALL	GO:0019226~transmission of nerve impulse	9.69E-06
GOTERM_BP_ALL	GO:0000904~cell morphogenesis involved in differentiation	1.47E-05
GOTERM_CC_ALL	GO:0042995~cell projection	1.69E-05
GOTERM_BP_ALL	GO:0048812~neuron projection morphogenesis	1.81E-05
GOTERM_BP_ALL	GO:0048468~cell development	2.02E-05
GOTERM_BP_ALL	GO:0031175~neuron projection development	2.37E-05
GOTERM_BP_ALL	GO:0065008~regulation of biological quality	2.45E-05
GOTERM_CC_ALL	GO:0030424~axon	2.57E-05
GOTERM_BP_ALL	GO:0007268~synaptic transmission	2.67E-05
GOTERM_BP_ALL	GO:0044057~regulation of system process	3.33E-05
GOTERM_BP_ALL	GO:0007409~axonogenesis	3.62E-05
GOTERM_BP_ALL	GO:0030030~cell projection organization	6.80E-05
GOTERM_BP_ALL	GO:0048858~cell projection morphogenesis	7.20E-05
GOTERM_BP_ALL	GO:0048667~cell morphogenesis involved in neuron differentiation	7.52E-05
GOTERM_BP_ALL	GO:0051239~regulation of multicellular organismal process	1.07E-04
GOTERM_BP_ALL	GO:0048666~neuron development	1.09E-04
GOTERM_BP_ALL	GO:0032990~cell part morphogenesis	1.10E-04
GOTERM_BP_ALL	GO:0048731~system development	1.24E-04
GOTERM_CC_ALL	GO:0045202~synapse	1.30E-04
GOTERM_BP_ALL	GO:0000902~cell morphogenesis	1.83E-04
GOTERM_MF_ALL	GO:0046982~protein heterodimerization activity	2.01E-04
GOTERM_CC_ALL	GO:0030425~dendrite	2.07E-04
GOTERM_BP_ALL	GO:0032412~regulation of ion transmembrane transporter activity	2.30E-04
GOTERM_BP_ALL	GO:0048519~negative regulation of biological process	2.32E-04
GOTERM_BP_ALL	GO:0048856~anatomical structure development	2.35E-04
GOTERM_BP_ALL	GO:0060134~prepulse inhibition	2.35E-04
GOTERM_BP_ALL	GO:0034765~regulation of ion transmembrane transport	2.71E-04
GOTERM_BP_ALL	GO:0022898~regulation of transmembrane transporter activity	3.17E-04

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GOTERM_BP_ALL	GO:0048523~negative regulation of cellular process	3.46E-04
GOTERM_BP_ALL	GO:0007275~multicellular organismal development	3.68E-04
GOTERM_BP_ALL	GO:0034762~regulation of transmembrane transport	3.69E-04
GOTERM_BP_ALL	GO:0032501~multicellular organismal process	4.20E-04
GOTERM_BP_ALL	GO:0007154~cell communication	4.28E-04
GOTERM_CC_ALL	GO:0042734~presynaptic membrane	4.67E-04
GOTERM_BP_ALL	GO:0032989~cellular component morphogenesis	5.31E-04
GOTERM_BP_ALL	GO:0007267~cell-cell signaling	5.84E-04
GOTERM_BP_ALL	GO:0022008~neurogenesis	5.96E-04
GOTERM_BP_ALL	GO:0008285~negative regulation of cell proliferation	7.19E-04
GOTERM_BP_ALL	GO:0007610~behavior	7.92E-04
GOTERM_BP_ALL	GO:0032409~regulation of transporter activity	8.09E-04
GOTERM_MF_ALL	GO:0005246~calcium channel regulator activity	8.61E-04
GOTERM_BP_ALL	GO:0001964~startle response	1.04E-03
GOTERM_BP_ALL	GO:0042592~homeostatic process	1.25E-03
GOTERM_BP_ALL	GO:0032502~developmental process	1.28E-03
GOTERM_BP_ALL	GO:0030182~neuron differentiation	1.39E-03
GOTERM_BP_ALL	GO:0043269~regulation of ion transport	1.56E-03
GOTERM_BP_ALL	GO:0050804~regulation of synaptic transmission	1.58E-03
GOTERM_BP_ALL	GO:0060079~regulation of excitatory postsynaptic membrane potential	1.74E-03
GOTERM_BP_ALL	GO:0001975~response to amphetamine	1.74E-03
GOTERM_BP_ALL	GO:0016043~cellular component organization	1.83E-03
GOTERM_CC_ALL	GO:0014069~postsynaptic density	1.95E-03
GOTERM_BP_ALL	GO:0009416~response to light stimulus	1.96E-03
GOTERM_BP_ALL	GO:0048699~generation of neurons	1.96E-03
GOTERM_MF_ALL	GO:0046983~protein dimerization activity	1.99E-03
GOTERM_BP_ALL	GO:0030154~cell differentiation	2.00E-03
GOTERM_BP_ALL	GO:0050801~ion homeostasis	2.05E-03
GOTERM_BP_ALL	GO:0007626~locomotory behavior	2.09E-03
GOTERM_BP_ALL	GO:0048878~chemical homeostasis	2.14E-03
GOTERM_BP_ALL	GO:0051899~membrane depolarization	2.21E-03
GOTERM_BP_ALL	GO:0007411~axon guidance	2.34E-03
GOTERM_BP_ALL	GO:0051969~regulation of transmission of nerve impulse	2.40E-03
GOTERM_CC_ALL	GO:0044463~cell projection part	2.50E-03
GOTERM_BP_ALL	GO:0055074~calcium ion homeostasis	2.62E-03

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GOTERM_BP_ALL	GO:0008016~regulation of heart contraction	2.78E-03
GOTERM_BP_ALL	GO:0050877~neurological system process	2.88E-03
GOTERM_BP_ALL	GO:0031644~regulation of neurological system process	3.02E-03
GOTERM_BP_ALL	GO:0060078~regulation of postsynaptic membrane potential	3.07E-03
GOTERM_BP_ALL	GO:0010959~regulation of metal ion transport	3.68E-03
GOTERM_CC_ALL	GO:0044459~plasma membrane part	3.80E-03
GOTERM_CC_ALL	GO:0005856~cytoskeleton	3.82E-03
GOTERM_BP_ALL	GO:0032102~negative regulation of response to external stimulus	3.84E-03
GOTERM_MF_ALL	GO:0035254~glutamate receptor binding	3.86E-03
GOTERM_BP_ALL	GO:0048869~cellular developmental process	3.88E-03
GOTERM_BP_ALL	GO:0009314~response to radiation	4.10E-03
GOTERM_CC_ALL	GO:0005626~insoluble fraction	4.11E-03
GOTERM_BP_ALL	GO:0065007~biological regulation	4.17E-03
GOTERM_BP_ALL	GO:0009653~anatomical structure morphogenesis	4.27E-03
GOTERM_BP_ALL	GO:0030534~adult behavior	4.30E-03
GOTERM_BP_ALL	GO:0008542~visual learning	4.38E-03
GOTERM_BP_ALL	GO:0003008~system process	4.43E-03
GOTERM_BP_ALL	GO:0055065~metal ion homeostasis	4.47E-03
GOTERM_BP_ALL	GO:0032879~regulation of localization	4.54E-03
GOTERM_CC_ALL	GO:0033267~axon part	4.55E-03
GOTERM_MF_ALL	GO:0030674~protein binding, bridging	4.65E-03
GOTERM_MF_ALL	GO:0016247~channel regulator activity	4.92E-03
GOTERM_BP_ALL	GO:0030856~regulation of epithelial cell differentiation	5.41E-03
GOTERM_BP_ALL	GO:0030858~positive regulation of epithelial cell differentiation	5.58E-03
GOTERM_CC_ALL	GO:0005624~membrane fraction	6.04E-03
GOTERM_BP_ALL	GO:0016192~vesicle-mediated transport	6.38E-03
GOTERM_CC_ALL	GO:0005813~centrosome	6.42E-03
GOTERM_BP_ALL	GO:0007632~visual behavior	6.58E-03
GOTERM_BP_ALL	GO:0006939~smooth muscle contraction	7.22E-03
GOTERM_BP_ALL	GO:0009628~response to abiotic stimulus	7.48E-03
KEGG_PATHWAY	hsa04020:Calcium signaling pathway	7.66E-03
GOTERM_BP_ALL	GO:0006873~cellular ion homeostasis	7.78E-03
GOTERM_CC_ALL	GO:0031252~cell leading edge	7.82E-03
GOTERM_BP_ALL	GO:0007417~central nervous system development	7.85E-03
GOTERM_BP_ALL	GO:0006874~cellular calcium ion homeostasis	8.50E-03

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GOTERM_BP_ALL	GO:0008217~regulation of blood pressure	8.64E-03
GOTERM_BP_ALL	GO:0055082~cellular chemical homeostasis	8.73E-03
GOTERM_BP_ALL	GO:0040011~locomotion	8.74E-03
GOTERM_BP_ALL	GO:0006816~calcium ion transport	8.84E-03
GOTERM_CC_ALL	GO:0031253~cell projection membrane	8.86E-03
GOTERM_BP_ALL	GO:0051049~regulation of transport	9.21E-03
GOTERM_MF_ALL	GO:0003682~chromatin binding	9.39E-03
GOTERM_BP_ALL	GO:0019932~second-messenger-mediated signaling	9.60E-03
GOTERM_CC_ALL	GO:0005913~cell-cell adherens junction	9.80E-03
GOTERM_BP_ALL	GO:0060081~membrane hyperpolarization	9.98E-03
GOTERM_BP_ALL	GO:0007631~feeding behavior	1.03E-02
GOTERM_BP_ALL	GO:0055080~cation homeostasis	1.03E-02
GOTERM_BP_ALL	GO:0055066~di-, tri-valent inorganic cation homeostasis	1.05E-02
GOTERM_BP_ALL	GO:0007050~cell cycle arrest	1.06E-02
GOTERM_CC_ALL	GO:0044456~synapse part	1.09E-02
GOTERM_BP_ALL	GO:0042127~regulation of cell proliferation	1.12E-02
GOTERM_BP_ALL	GO:0001525~angiogenesis	1.15E-02
GOTERM_BP_ALL	GO:0043576~regulation of respiratory gaseous exchange	1.17E-02
GOTERM_BP_ALL	GO:0007229~integrin-mediated signaling pathway	1.20E-02
GOTERM_BP_ALL	GO:0006875~cellular metal ion homeostasis	1.21E-02
GOTERM_BP_ALL	GO:0007204~elevation of cytosolic calcium ion concentration	1.23E-02
GOTERM_BP_ALL	GO:0010648~negative regulation of cell communication	1.25E-02
GOTERM_BP_ALL	GO:0046903~secretion	1.25E-02
GOTERM_CC_ALL	GO:0005887~integral to plasma membrane	1.27E-02
GENETIC_ASSOCIATION_DB_DISEASE	panic disorder	1.28E-02
GOTERM_BP_ALL	GO:0006323~DNA packaging	1.28E-02
GOTERM_CC_ALL	GO:0005815~microtubule organizing center	1.29E-02
GOTERM_BP_ALL	GO:0001568~blood vessel development	1.30E-02
GOTERM_BP_ALL	GO:0060341~regulation of cellular localization	1.30E-02
GOTERM_BP_ALL	GO:0048646~anatomical structure formation involved in morphogenesis	1.36E-02
GOTERM_BP_ALL	GO:0014075~response to amine stimulus	1.36E-02
GOTERM_MF_ALL	GO:0008092~cytoskeletal protein binding	1.38E-02
GOTERM_BP_ALL	GO:0019725~cellular homeostasis	1.44E-02
GOTERM_BP_ALL	GO:0001944~vasculature development	1.50E-02
GENETIC_ASSOCIATION_DB_DISEASE	attention deficit disorder conduct disorder oppositional defiant disorder	1.56E-02

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KEGG_PATHWAY	hsa05412:Arrhythmogenic right ventricular cardiomyopathy (ARVC)	1.57E-02
GOTERM_BP_ALL	GO:0051480~cytosolic calcium ion homeostasis	1.59E-02
GOTERM_CC_ALL	GO:0000267~cell fraction	1.59E-02
GOTERM_CC_ALL	GO:0031226~intrinsic to plasma membrane	1.64E-02
GOTERM_BP_ALL	GO:0051276~chromosome organization	1.69E-02
GOTERM_MF_ALL	GO:0005515~protein binding	1.70E-02
GOTERM_BP_ALL	GO:0050789~regulation of biological process	1.72E-02
GOTERM_BP_ALL	GO:0043062~extracellular structure organization	1.74E-02
GOTERM_BP_ALL	GO:0014072~response to isoquinoline alkaloid	1.75E-02
GOTERM_BP_ALL	GO:0043278~response to morphine	1.75E-02
GOTERM_BP_ALL	GO:0048514~blood vessel morphogenesis	1.79E-02
GOTERM_BP_ALL	GO:0010646~regulation of cell communication	1.81E-02
GOTERM_BP_ALL	GO:0014070~response to organic cyclic substance	1.82E-02
GOTERM_BP_ALL	GO:0006928~cell motion	1.90E-02
GOTERM_CC_ALL	GO:0015629~actin cytoskeleton	1.95E-02
GOTERM_BP_ALL	GO:0060402~calcium ion transport into cytosol	1.97E-02
GOTERM_BP_ALL	GO:0032228~regulation of synaptic transmission, GABAergic	1.97E-02
GOTERM_CC_ALL	GO:0031982~vesicle	1.98E-02
GOTERM_BP_ALL	GO:0043065~positive regulation of apoptosis	2.06E-02
GOTERM_CC_ALL	GO:0044427~chromosomal part	2.13E-02
GOTERM_BP_ALL	GO:0043068~positive regulation of programmed cell death	2.16E-02
GOTERM_BP_ALL	GO:0060401~cytosolic calcium ion transport	2.20E-02
GOTERM_BP_ALL	GO:0010942~positive regulation of cell death	2.23E-02
GOTERM_BP_ALL	GO:0015674~di-, tri-valent inorganic cation transport	2.32E-02
GOTERM_BP_ALL	GO:0051966~regulation of synaptic transmission, glutamatergic	2.44E-02
GOTERM_CC_ALL	GO:0045211~postsynaptic membrane	2.44E-02
GOTERM_CC_ALL	GO:0031988~membrane-bounded vesicle	2.47E-02
GOTERM_BP_ALL	GO:0030005~cellular di-, tri-valent inorganic cation homeostasis	2.48E-02
GOTERM_BP_ALL	GO:0009896~positive regulation of catabolic process	2.50E-02
GOTERM_CC_ALL	GO:0031012~extracellular matrix	2.57E-02
GOTERM_BP_ALL	GO:0016477~cell migration	2.59E-02
KEGG_PATHWAY	hsa04360:Axon guidance	2.62E-02
GOTERM_BP_ALL	GO:0022402~cell cycle process	2.64E-02
GOTERM_CC_ALL	GO:0005694~chromosome	2.66E-02
GOTERM_BP_ALL	GO:0043279~response to alkaloid	2.78E-02

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GOTERM_BP_ALL	GO:0007155~cell adhesion	2.80E-02
GOTERM_BP_ALL	GO:0022610~biological adhesion	2.83E-02
GOTERM_BP_ALL	GO:0001775~cell activation	2.85E-02
GOTERM_BP_ALL	GO:0051051~negative regulation of transport	2.87E-02
GOTERM_CC_ALL	GO:0031410~cytoplasmic vesicle	2.89E-02
GOTERM_BP_ALL	GO:0008015~blood circulation	2.90E-02
GOTERM_BP_ALL	GO:0003013~circulatory system process	2.90E-02
GOTERM_BP_ALL	GO:0051179~localization	3.09E-02
GOTERM_BP_ALL	GO:0030001~metal ion transport	3.15E-02
GOTERM_BP_ALL	GO:0048518~positive regulation of biological process	3.16E-02
GOTERM_BP_ALL	GO:0042133~neurotransmitter metabolic process	3.21E-02
GOTERM_BP_ALL	GO:0002027~regulation of heart rate	3.21E-02
GENETIC_ASSOCIATION_DB_DISEASE	anxiety response	3.41E-02
GOTERM_CC_ALL	GO:0031256~leading edge membrane	3.41E-02
GOTERM_CC_ALL	GO:0044430~cytoskeletal part	3.44E-02
GOTERM_CC_ALL	GO:0012505~endomembrane system	3.46E-02
GOTERM_BP_ALL	GO:0009719~response to endogenous stimulus	3.51E-02
GOTERM_BP_ALL	GO:0009894~regulation of catabolic process	3.53E-02
GOTERM_BP_ALL	GO:0022403~cell cycle phase	3.56E-02
GOTERM_BP_ALL	GO:0040012~regulation of locomotion	3.62E-02
GOTERM_CC_ALL	GO:0043232~intracellular non-membrane-bounded organelle	3.69E-02
GOTERM_CC_ALL	GO:0043228~non-membrane-bounded organelle	3.69E-02
GOTERM_BP_ALL	GO:0051588~regulation of neurotransmitter transport	3.77E-02
GOTERM_BP_ALL	GO:0030073~insulin secretion	3.77E-02
GOTERM_BP_ALL	GO:0048585~negative regulation of response to stimulus	3.88E-02
GOTERM_BP_ALL	GO:0007612~learning	4.03E-02
GOTERM_BP_ALL	GO:0045785~positive regulation of cell adhesion	4.03E-02
GOTERM_BP_ALL	GO:0007215~glutamate signaling pathway	4.07E-02
GOTERM_BP_ALL	GO:0030261~chromosome condensation	4.07E-02
GOTERM_CC_ALL	GO:0016023~cytoplasmic membrane-bounded vesicle	4.11E-02
GOTERM_BP_ALL	GO:0030198~extracellular matrix organization	4.13E-02
GOTERM_CC_ALL	GO:0005578~proteinaceous extracellular matrix	4.21E-02
GOTERM_BP_ALL	GO:0030003~cellular cation homeostasis	4.21E-02
GOTERM_BP_ALL	GO:0006812~cation transport	4.26E-02
GOTERM_BP_ALL	GO:0003014~renal system process	4.37E-02

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GOTERM_BP_ALL	GO:0050905~neuromuscular process	4.38E-02
GOTERM_BP_ALL	GO:0051674~localization of cell	4.44E-02
GOTERM_BP_ALL	GO:0048870~cell motility	4.44E-02
GOTERM_BP_ALL	GO:0007346~regulation of mitotic cell cycle	4.45E-02
GOTERM_CC_ALL	GO:0005912~adherens junction	4.47E-02
GOTERM_BP_ALL	GO:0045595~regulation of cell differentiation	4.54E-02
GOTERM_BP_ALL	GO:0045732~positive regulation of protein catabolic process	4.68E-02
GOTERM_MF_ALL	GO:0004714~transmembrane receptor protein tyrosine kinase activity	4.72E-02
GOTERM_MF_ALL	GO:0001609~adenosine receptor activity, G-protein coupled	4.74E-02
GOTERM_BP_ALL	GO:0010243~response to organic nitrogen	4.74E-02
KEGG_PATHWAY	hsa04080:Neuroactive ligand-receptor interaction	4.79E-02
GOTERM_BP_ALL	GO:0007389~pattern specification process	4.86E-02
GOTERM_BP_ALL	GO:0032101~regulation of response to external stimulus	4.89E-02
GOTERM_CC_ALL	GO:0030133~transport vesicle	4.97E-02

Supplementary Table 8**Sequences of primers utilized in qRT-PCR and in situ hybridization****qRT-PCR**

Gene Symbol	Forward	Reverse
<i>AHI1</i>	AGCAAGCAGGCAGAAAAGTC	GCATTCGGCAGCTCTTAAC
<i>AUTS2</i>	GCTGCAGCTCATGACAGAGA	CCGAGCCTCAGTGTTCCAGAT
<i>CACNA1C</i>	CCAGGGAGGCAGTTCCAC	TGGTGACCTCGATGAACTTG
<i>DHCR7</i>	CATTGACATCTGCCATGACC	ACAGGTCCTTCTGGTGGTTG
<i>FZD9</i>	CCATCTCCCCTAATGAGCCT	CTGCATCCCCTAGAGACAGC
<i>GABRB3</i>	TCAGCCACTCGATTGTCAAG	CATGGTTTCCGAAGTCAACA
<i>LIMK1</i>	TGTTCTCCTTTGGGATCGTC	CTCCCAGAAACCTCTGTCCA
<i>MECP2</i>	CACGGAAGCTTAAGCAAAGG	CATTAGGGTCCAGGGATGTG
<i>NLGN3</i>	TGTTTTTGGGGTTCCTATGG	GGCCTTGGTGTGAATGAACT
<i>NRXN1</i>	GGATTCTTCAATGGCGATGT	TTCAGGCTTGGGTGACTACC
<i>NRXN3 2/3 5'</i>	TCTATCGTCCCCTGTTTCC	ACCAAGATGCCATCCTTCAC
<i>NRXN3 1 5'</i>	CCTCACCAGATGGCTTCATT	TTGTGCCACTGGTTGTCATT
<i>NRXN3 All 3'</i>	TTGTTGAATGTGAGCCGAGT	GGCGTACAGGAGGATCAAGA
<i>PTEN</i>	CGGTGTCATAATGTCTTTCAGC	TGAAGGCGTATACAGGAACAAT
<i>SHANK3</i>	CAGCAGCTGAACAAGGACAC	GGCCTCACCGAGTACGAG
<i>TSC1</i>	ACCCAGGTGTTTGAATTGGA	GGTCTTGGTCTCACCGTTGT
<i>UBE3A</i>	CATTTCCACAGCCCTCAGTT	GACGACATTGAAGCTAGCCG

in situ hybridization

Gene Symbol	Forward	Reverse
<i>NRXN1</i>	GGGAAAAATTGGAGTTAAGTTTAATGTTGG	GTGCTAGTAGCCAGGGTCGTGGTAGTCTCC
<i>NRXN3</i>	GAGCTTGGCAGCTCGAGAGGAGAATGTGGC	GGGCTTCCTCCTACATAGAAGAAGTCGTCC