

$-\log_{10}(P\text{-value})$

20  
15  
10  
5  
0

5.8

6.0

6.2

6.4

6.6

6.8

7.0

chr 12 physical position (MB)

ANO2

VWF

CD9

PLK4

EKHG6

SCNN1A

LTBR

CD27-AS1

CD27

VAMP1

TAPBPL

SCARNA10

NCAPD2

IFFO1

GAPDH

MRPL51

SCARNA11

CHD4

LPAR5

ING4

ZNF384

PIANP

COPS7A

MLF2

PTMS

CD4

GNB3

CDCA3

RPL13P5

SPSB2

LRRC23

USP5

C12orf57

DSTNP2

MIR1

ATN1

PH

ENO2

LPC

SCARNA

PH

RP1-102E24.8

TNFRSF1A

SCNN1A

LTBR

CD27-AS1

CD27

VAMP1

TAPBPL

SCARNA10

NCAPD2

IFFO1

GAPDH

MRPL51

SCARNA11

CHD4

LPAR5

ING4

EM

PLK4

EKHG6

SCNN1A

LTBR

CD27-AS1

CD27

VAMP1

TAPBPL

SCARNA10

NCAPD2

IFFO1

GAPDH

MRPL51

SCARNA11

CHD4

LPAR5

ING4

CDCA3

RPL13P5

SPSB2

LRRC23

USP5

C12orf57

DSTNP2

MIR1

ATN1

PH

ENO2

LPC

SCARNA

PH