chr1
PRKCAB
CEP122
lncRNA
Spring
Autumn
chr2
LRRC8C
lncRNA
ANKZF1
chr3
chr4
PRICKLE
RHO
MAGI1A
chr5
-log10P
Genome position (Mb)

chr6
RNASEL3
PCDH1B
Spring
Autumn
Chr6 inversion
chr7
AQP3A
NOL6
SLC12A2
chr8
CBIN17
chr9
FAM168A
P2RY6
KCNJ5
ST3GAL4
chr10
SEC16B
ZNF648
GNG12
GADD45AB
GLULA
-log10P
Genome position (Mb)

chr11
Spring
Autumn
chr12
PRLRA
NEDD4L
HNRNPD1
SCD5
TMEM150C
ENOPH1
MYH
MMYH1
PRLRA
Chr12 inversion
chr13
SRF
RMDN2
CBLN3
CBLN3
chr14
chr15
-log10P
Genome position (Mb)

chr16
ITLN1
GPR22A
DUS4L
BCAP29
SLCO1C1
COG5
PDE3A
GOLGB1
lncRNA
LLPH
HCLS1
Spring
Autumn
ITLN1
chr17
F13A1
U5
LY86
FZD8A
FUCL
CDH20
CDH20
Chr17 inversion
Chr17 inversion
F13A1
U5
chr18
TMEM252
NDUFAF2
ARFIP1
CBLN3
CBLN11
si:ch211-63p21.8
CBLN3
SLC12A10.3
ARFIP1
FHDC1
TMEM252
NDUFAF2
CBLN3
chr19
chr20
-log10P
Genome position (Mb)

chr21
Spring
Autumn
chr22
CASP21
ZP2
Spring
CASP21
ZP2
Autumn
chr23
Spring
Chr23 inversion
Autumn
chr24
FOXG1
SULT6B1
Spring
Autumn
chr25
Spring
Autumn
-log10P
Genome position (Mb)

chr26
ENSCHAG00000026061
Spring
Autumn
-log10P
100
80
60
40
20
0
3
6
9
12
Genome position (Mb)