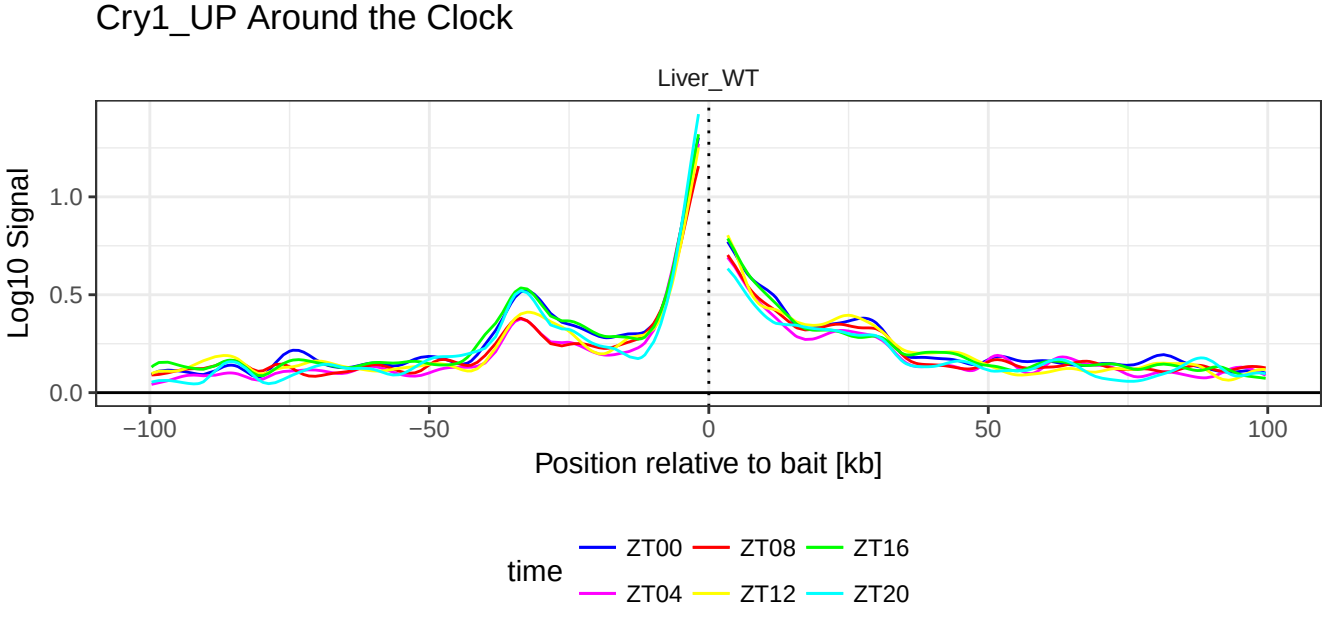
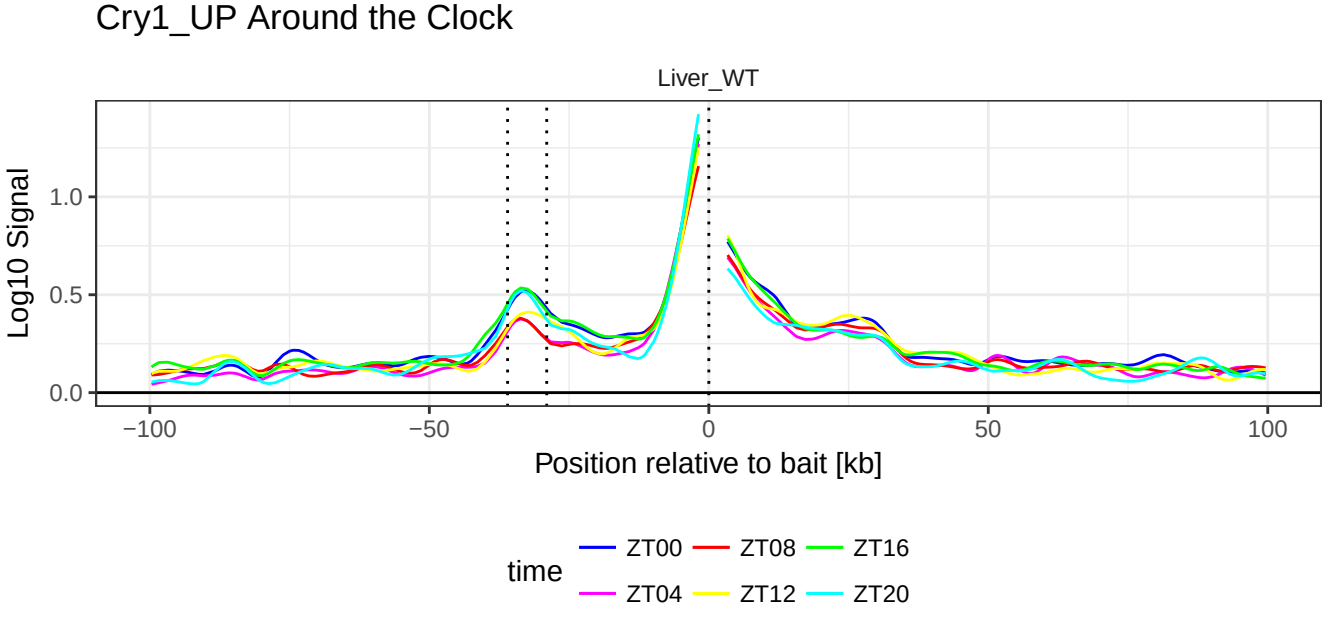
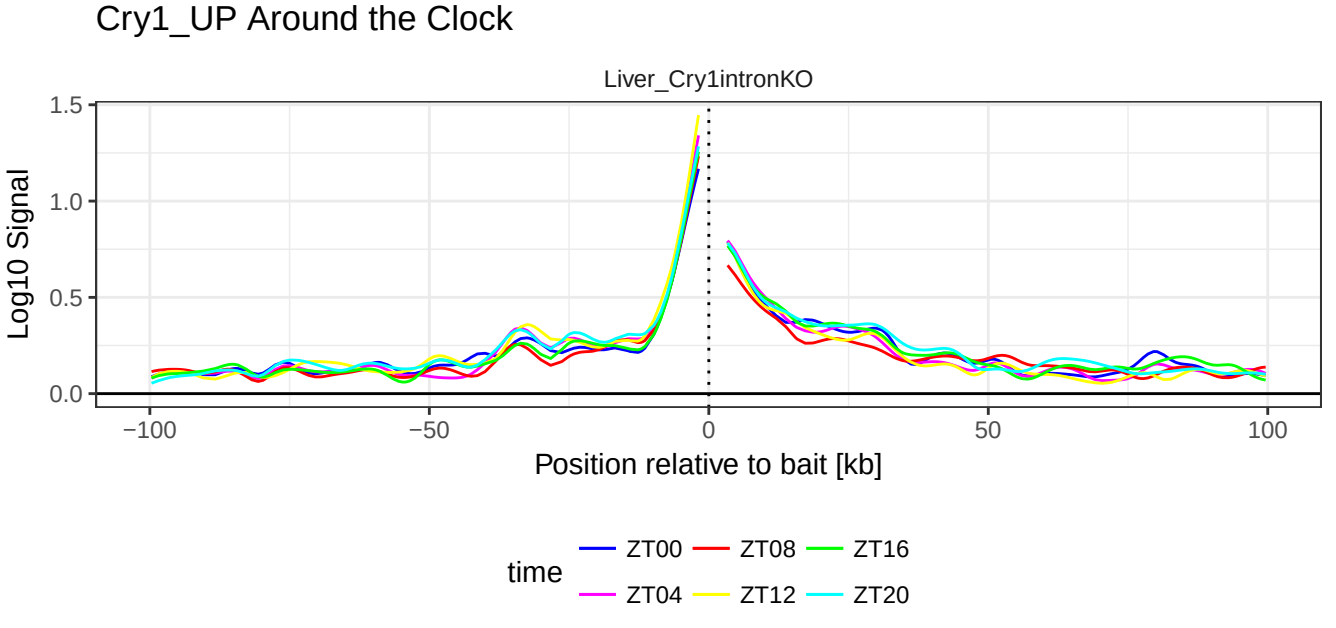
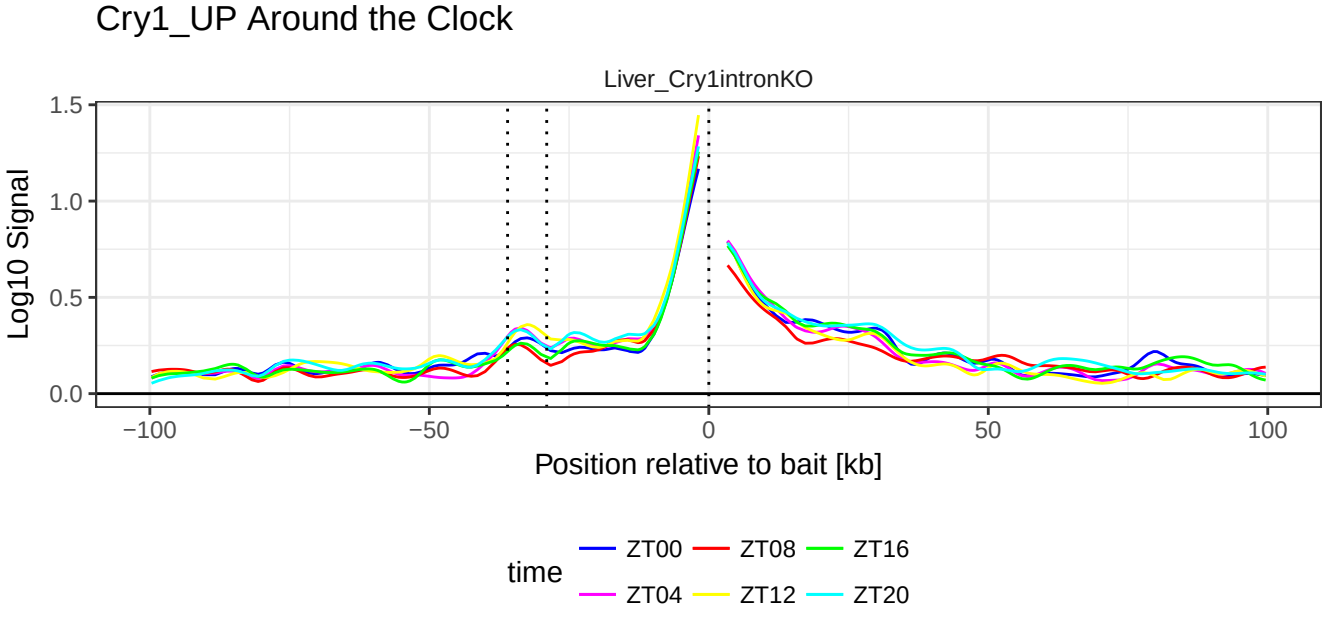
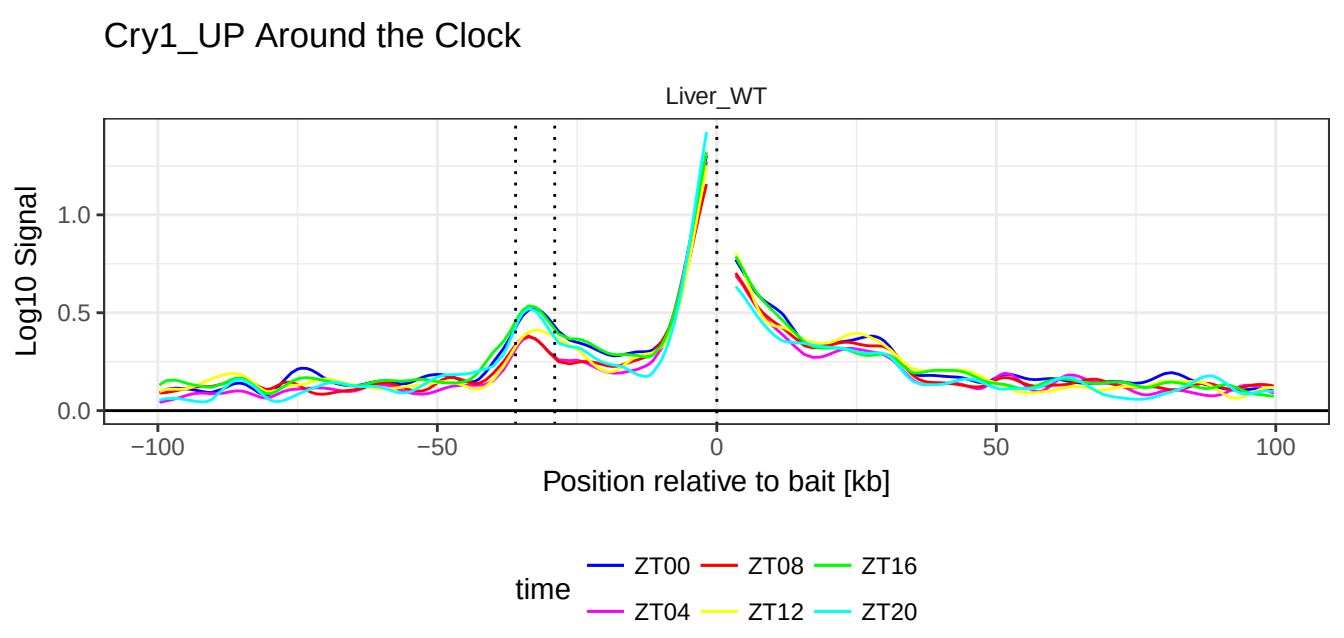
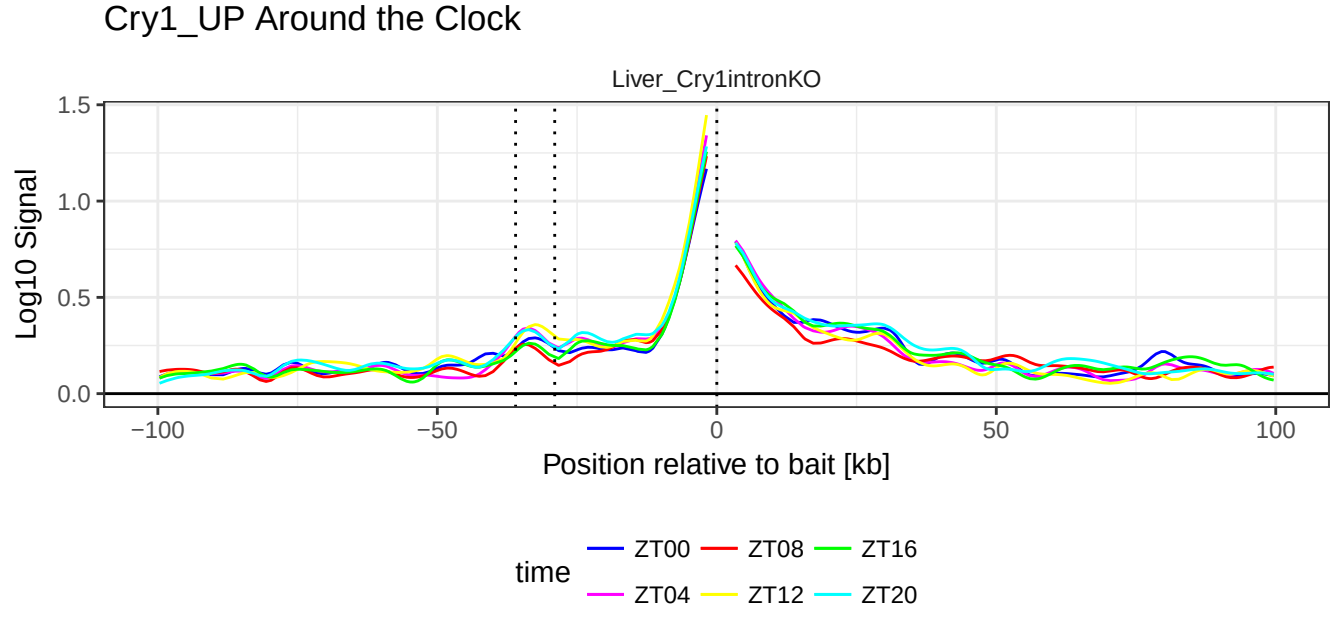

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

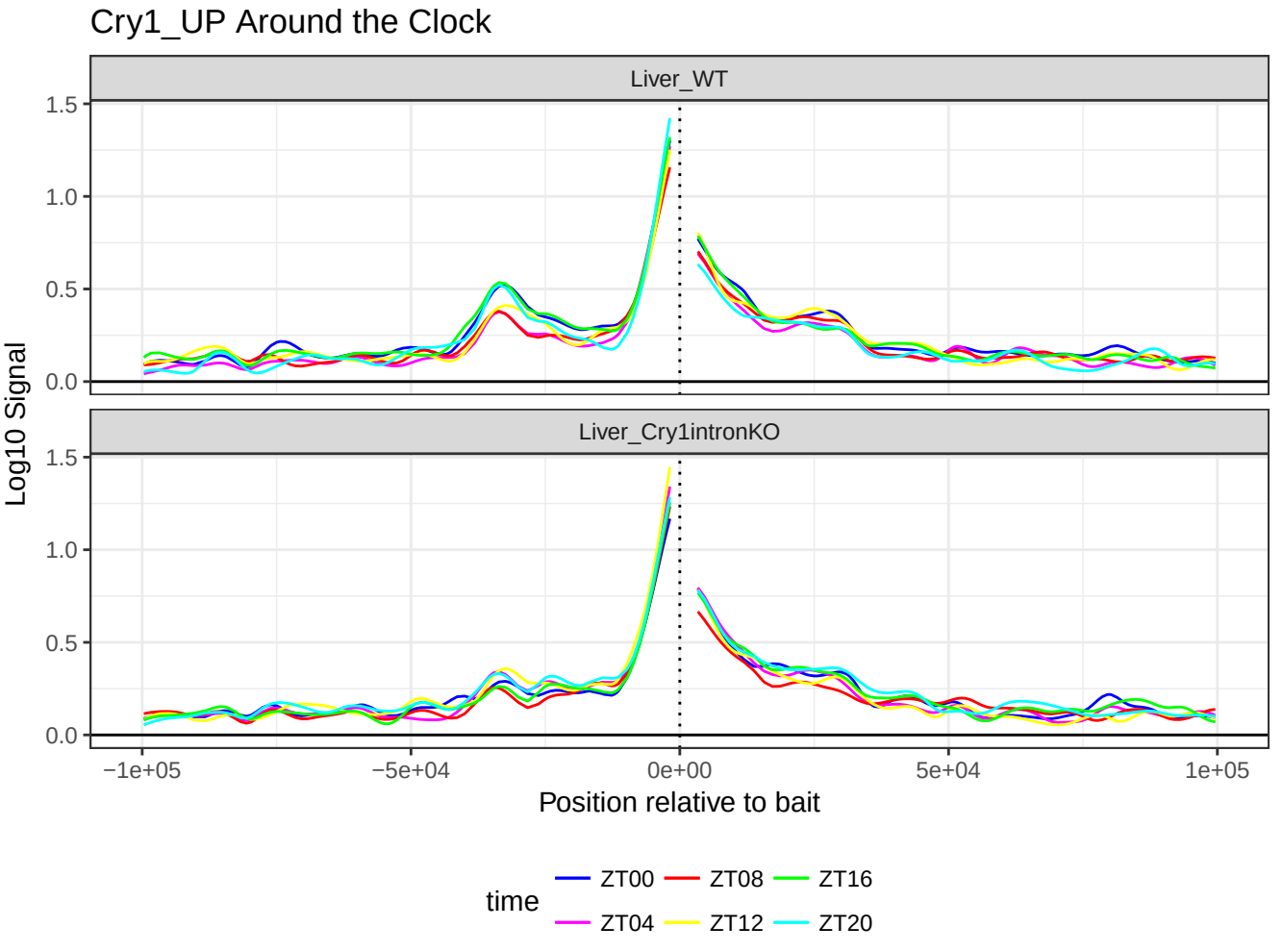

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

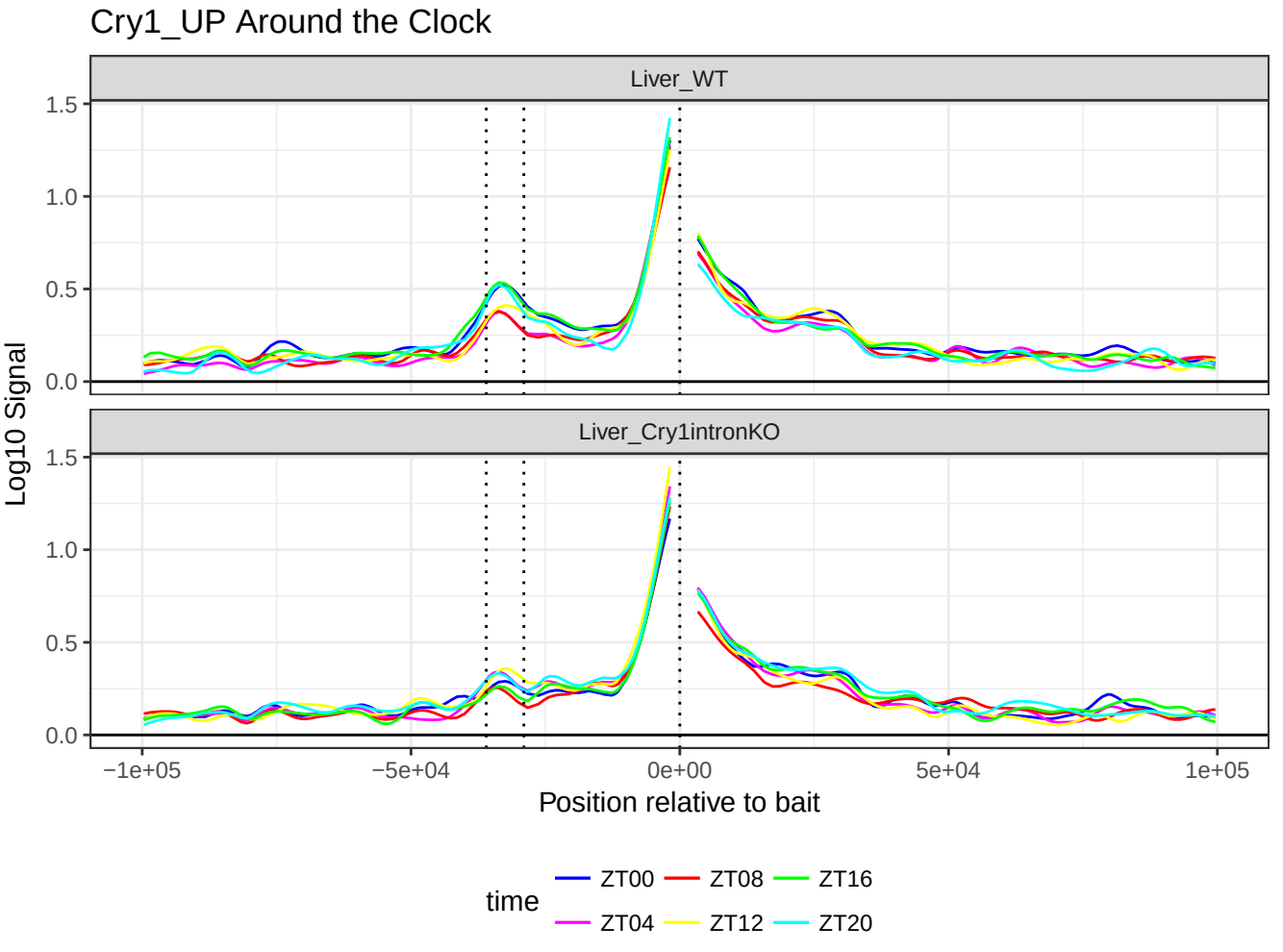

Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

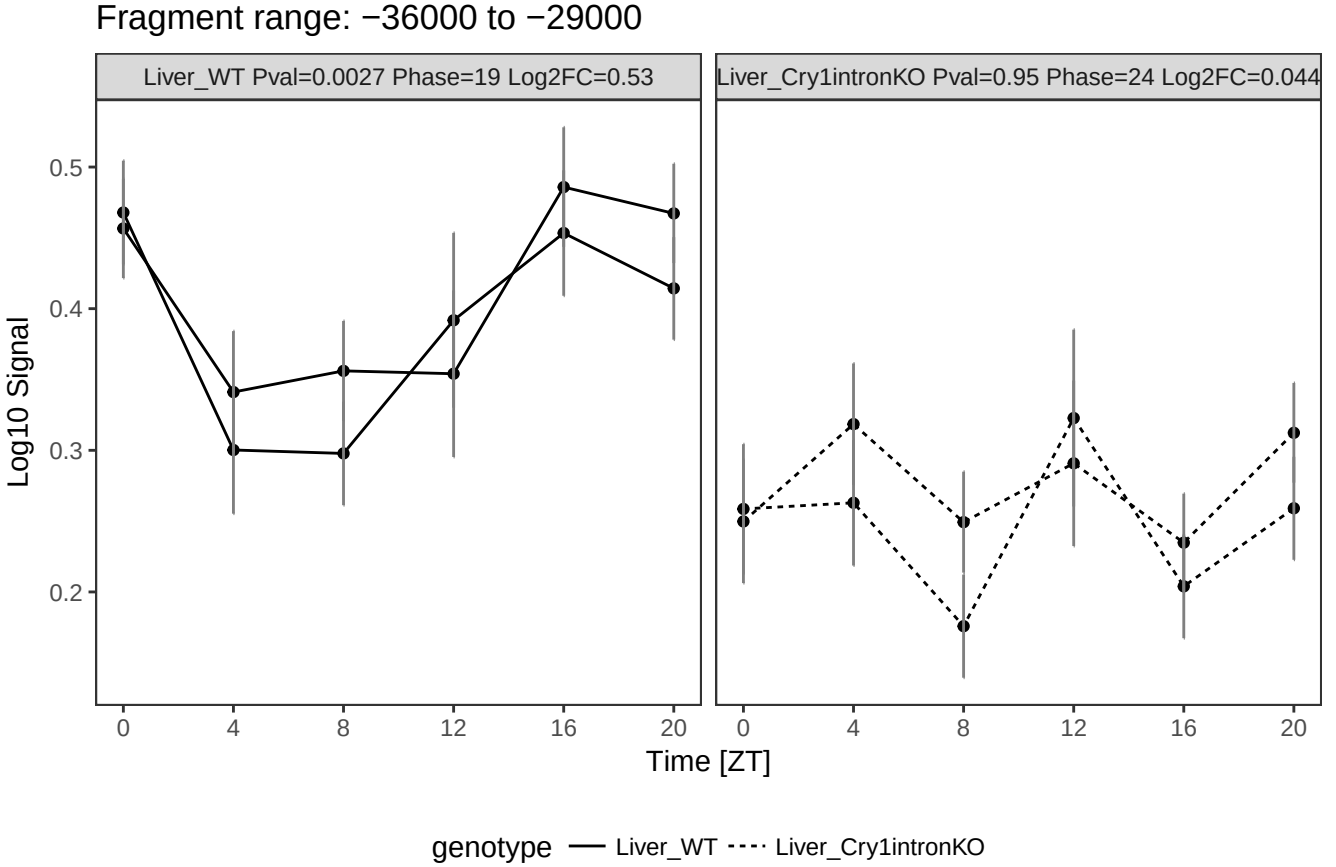

Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

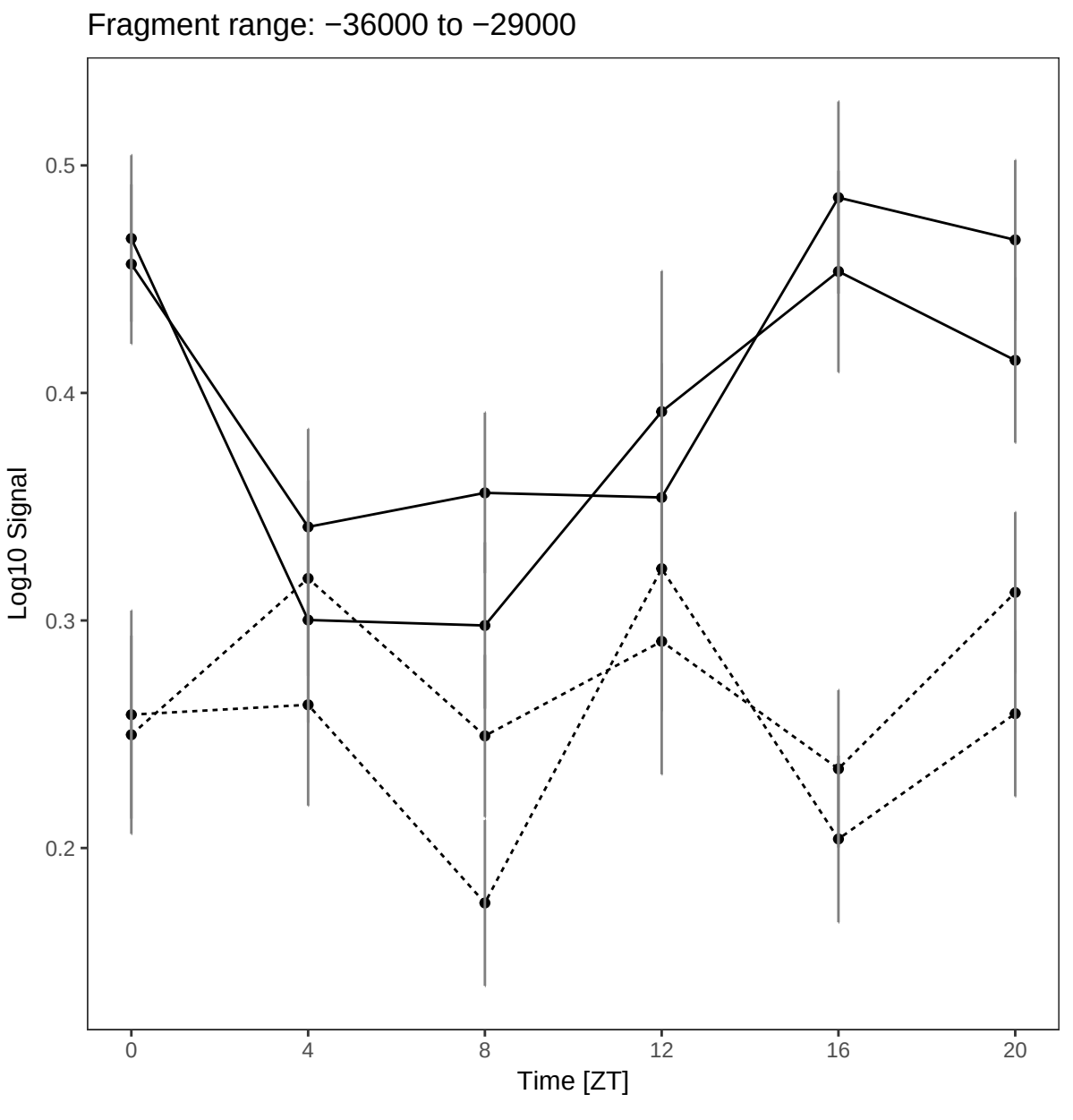

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

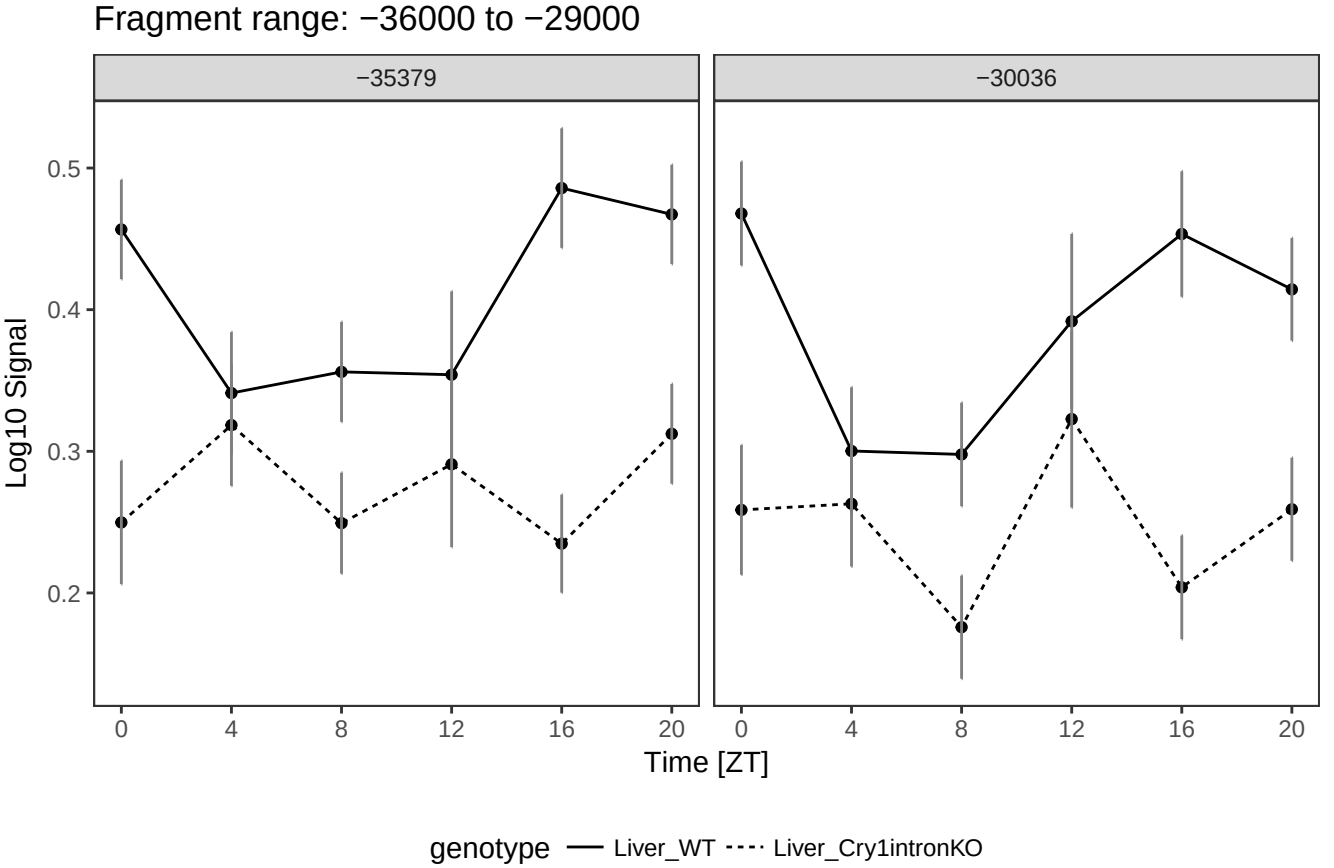

Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−100
−50
0
50
100
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

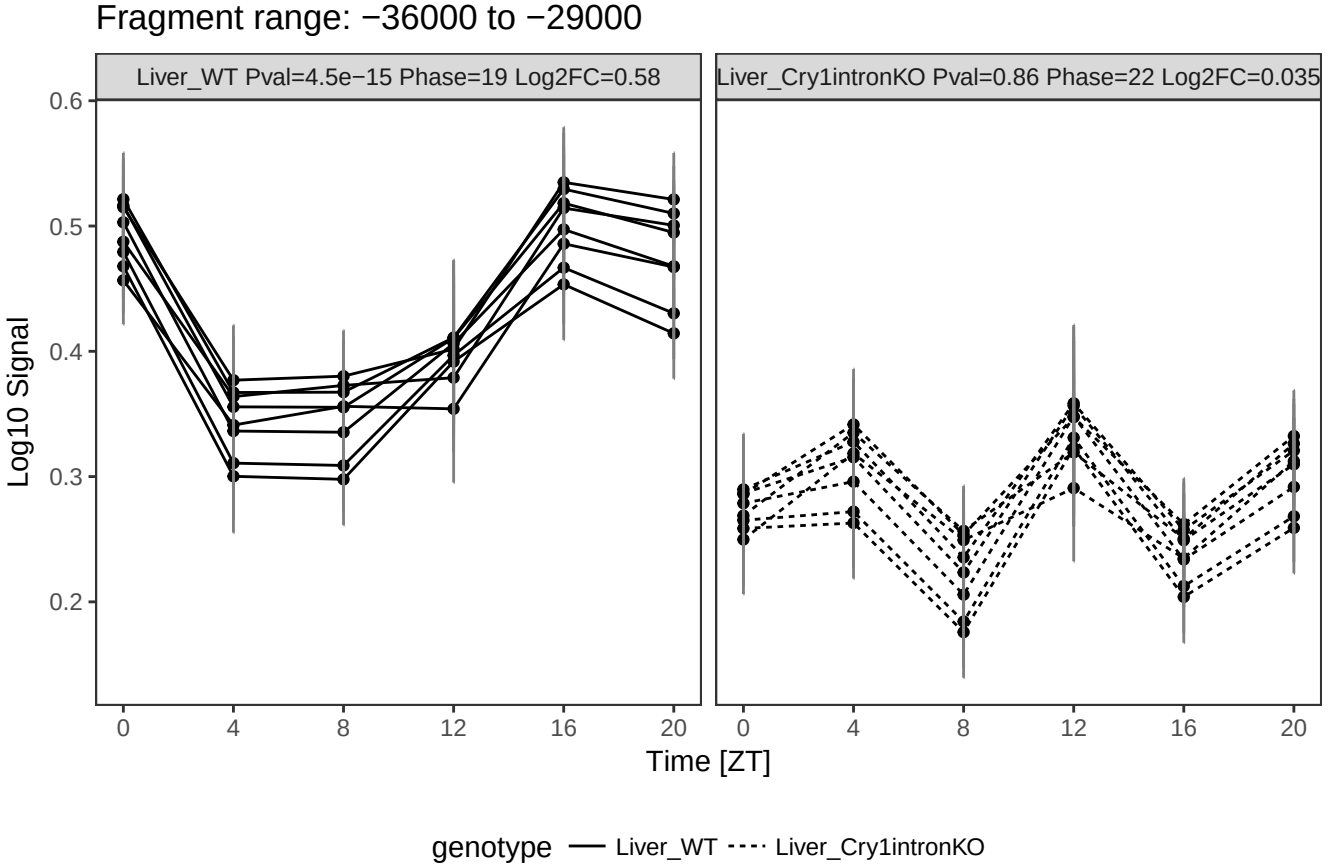

Cry1_UP Around the Clock
Liver_WT
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

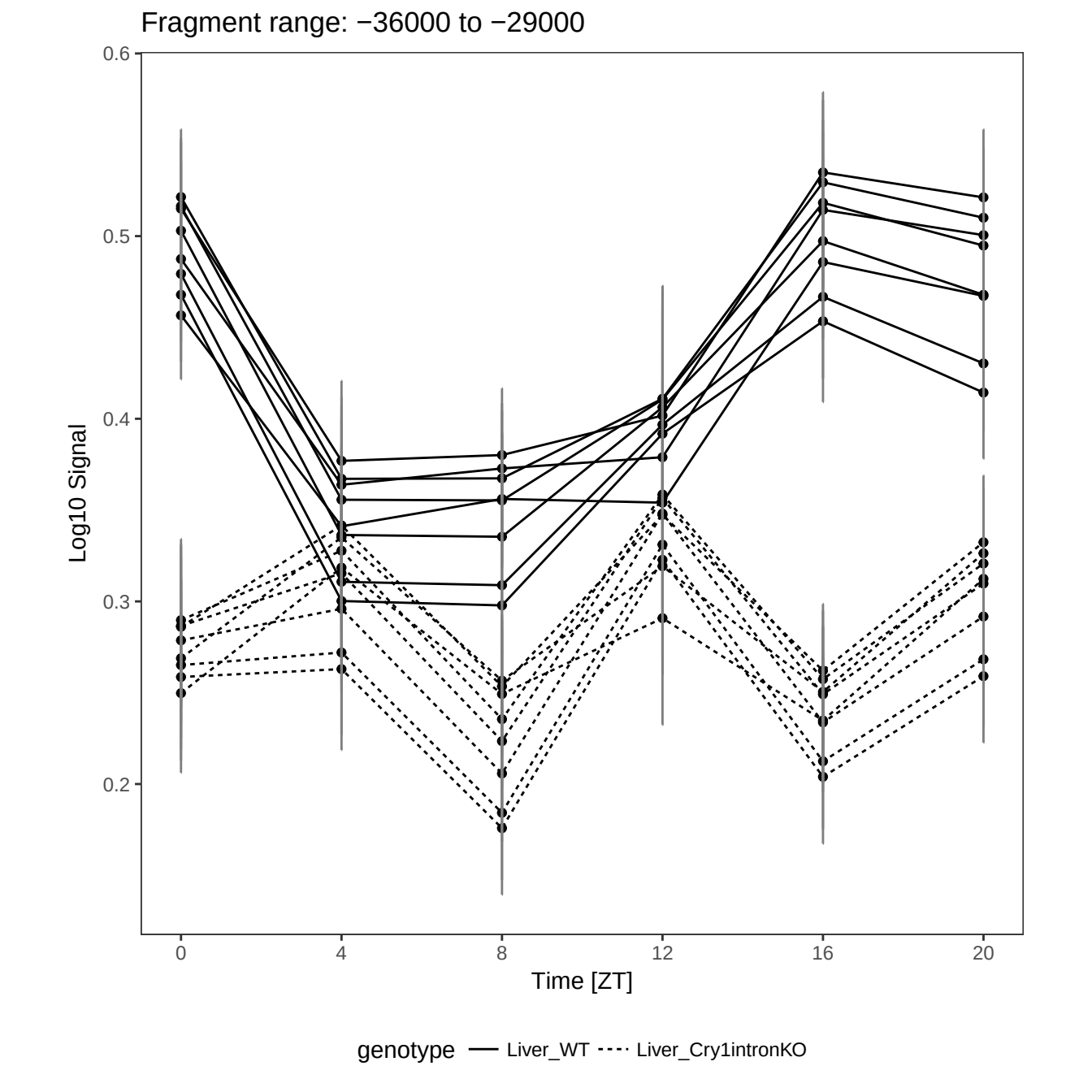

Cry1_UP Around the Clock
Liver_WT
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

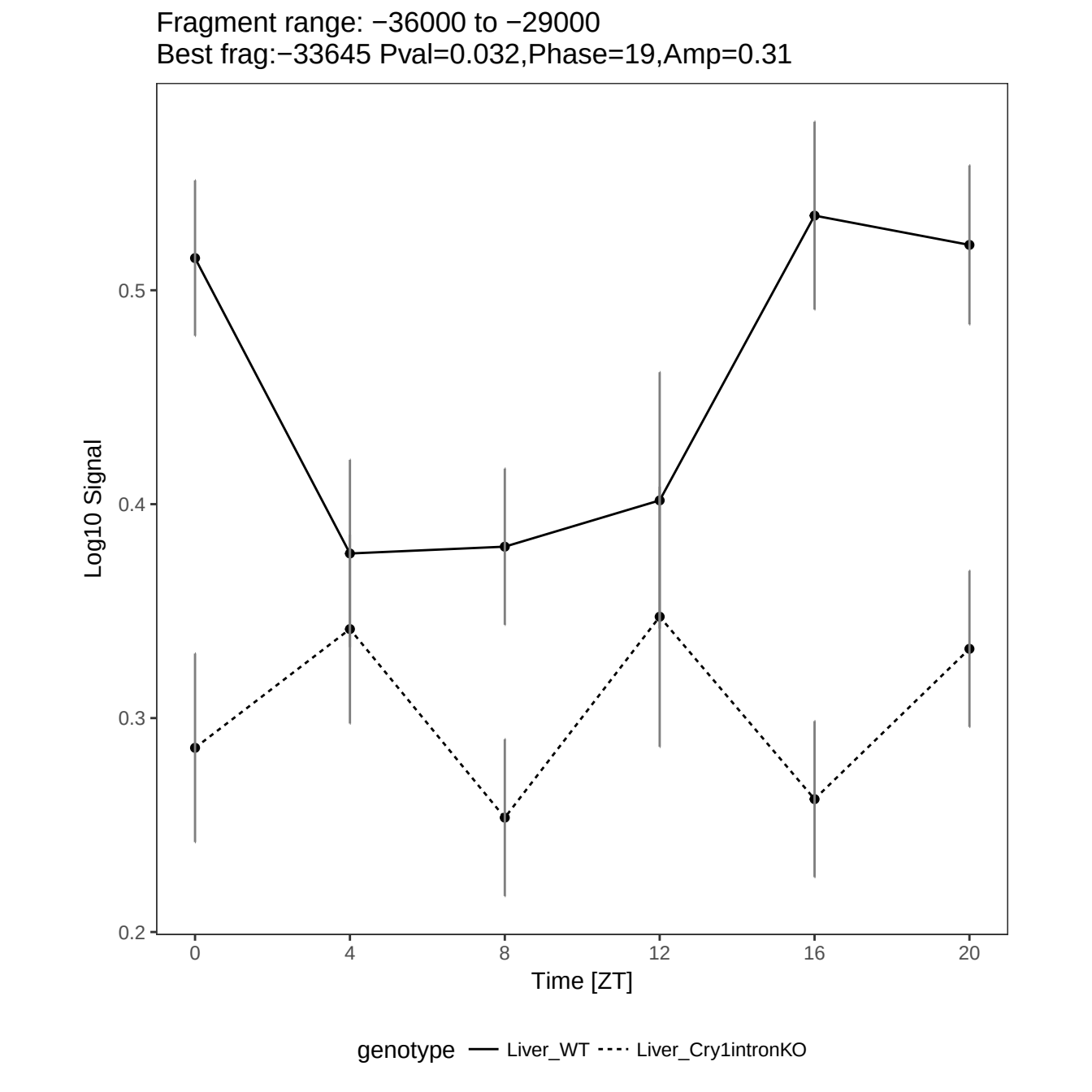

Fragment range: −36000 to −29000
Liver_WT Pval=0.0027 Phase=19 Log2FC=0.53
Liver_Cry1intronKO Pval=0.95 Phase=24 Log2FC=0.044
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

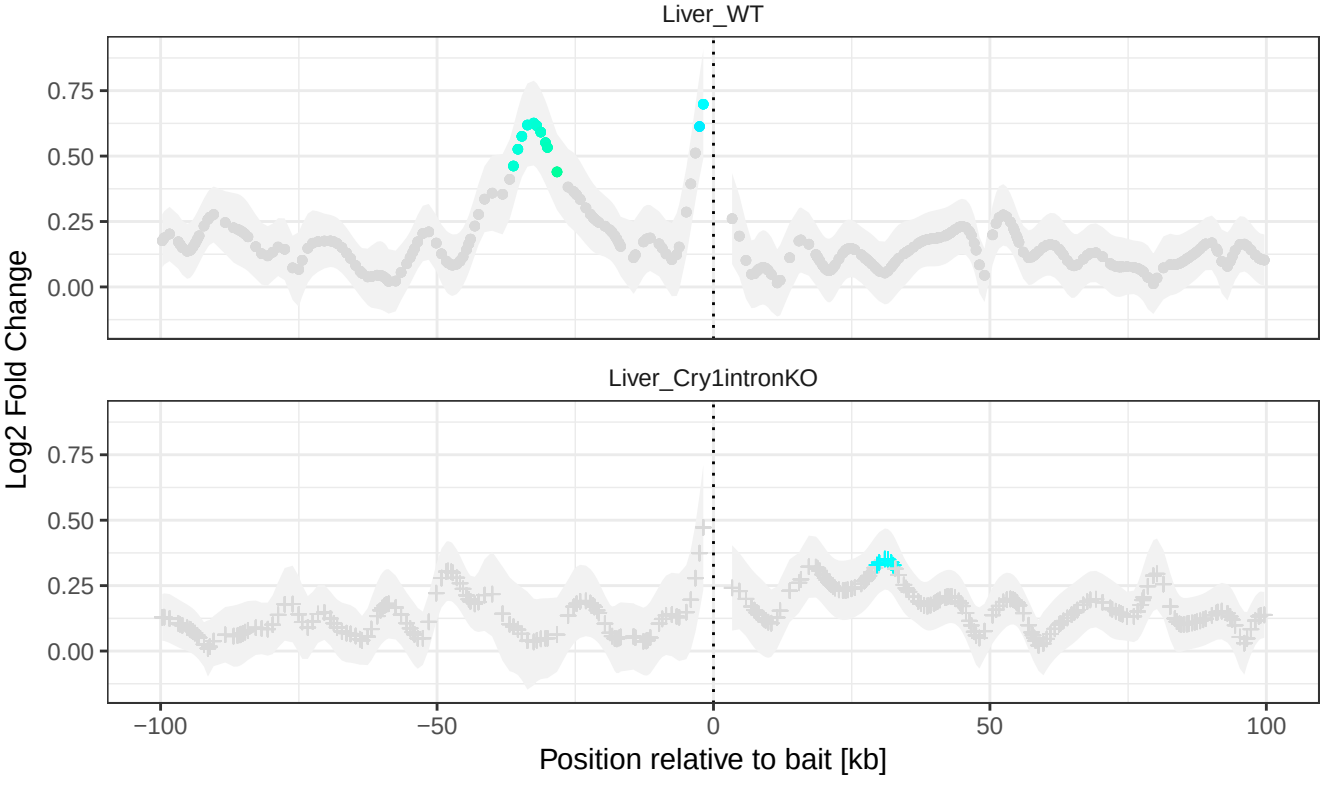

Fragment range: −36000 to −29000
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

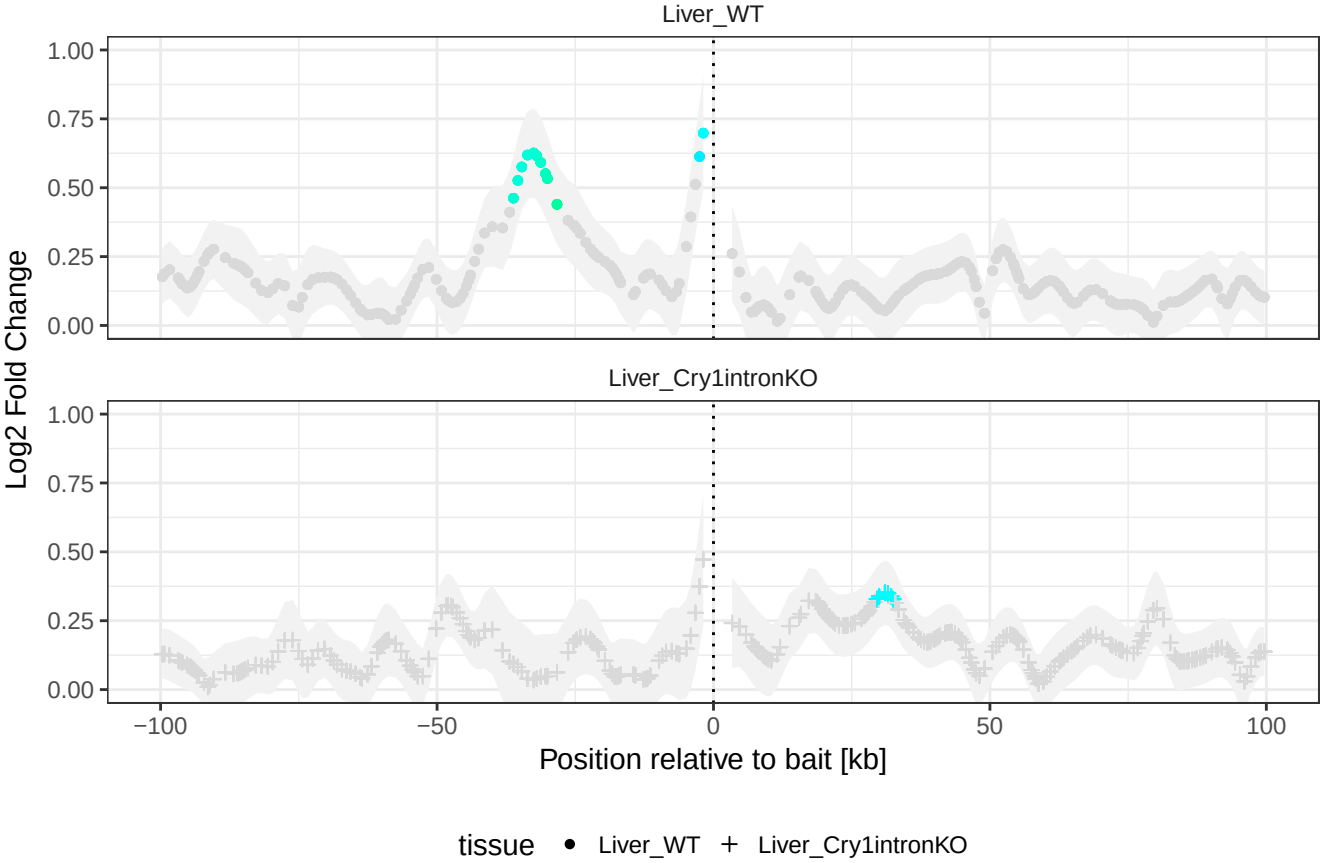

Fragment range: −36000 to −29000
−35379
−30036
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

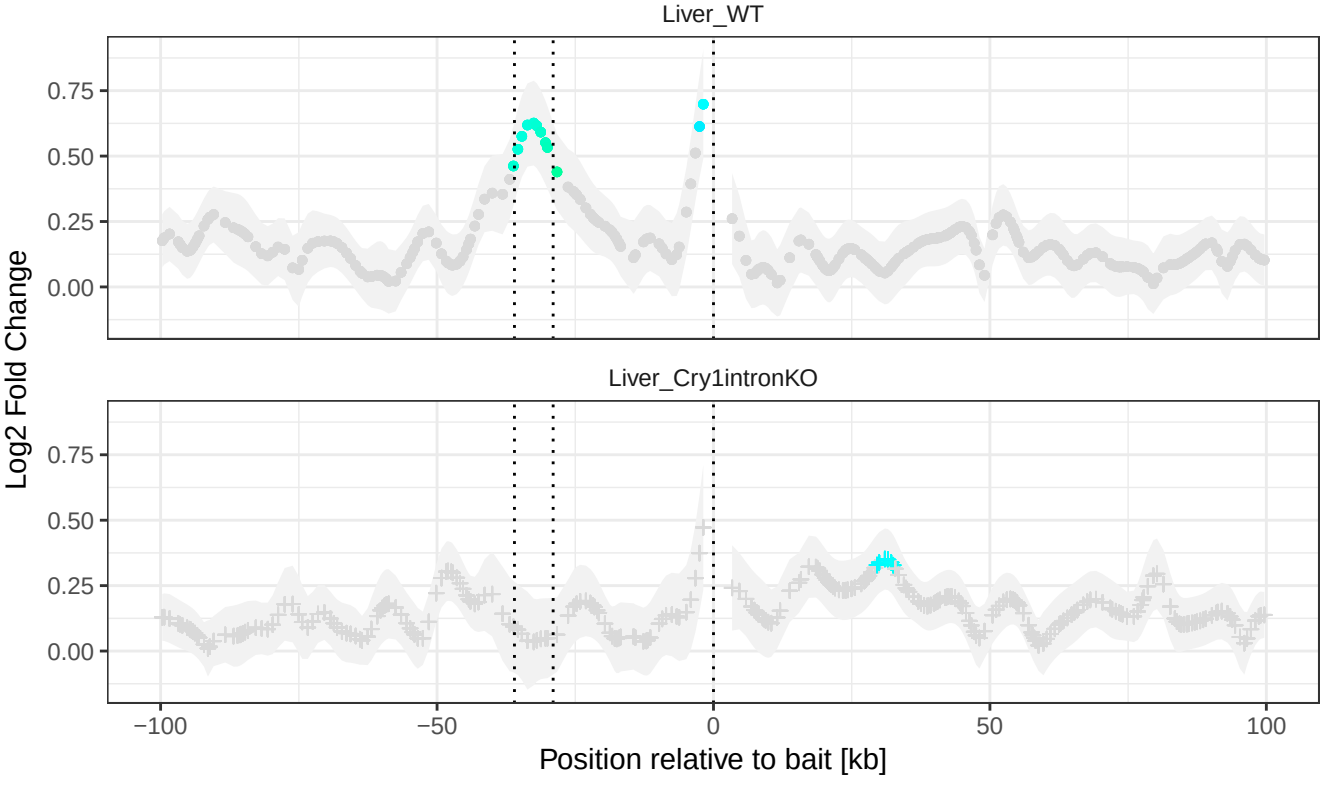

Fragment range: −36000 to −29000
Liver_WT Pval=4.5e−15 Phase=19 Log2FC=0.58
Liver_Cry1intronKO Pval=0.86 Phase=22 Log2FC=0.035
Log10 Signal
0.6
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

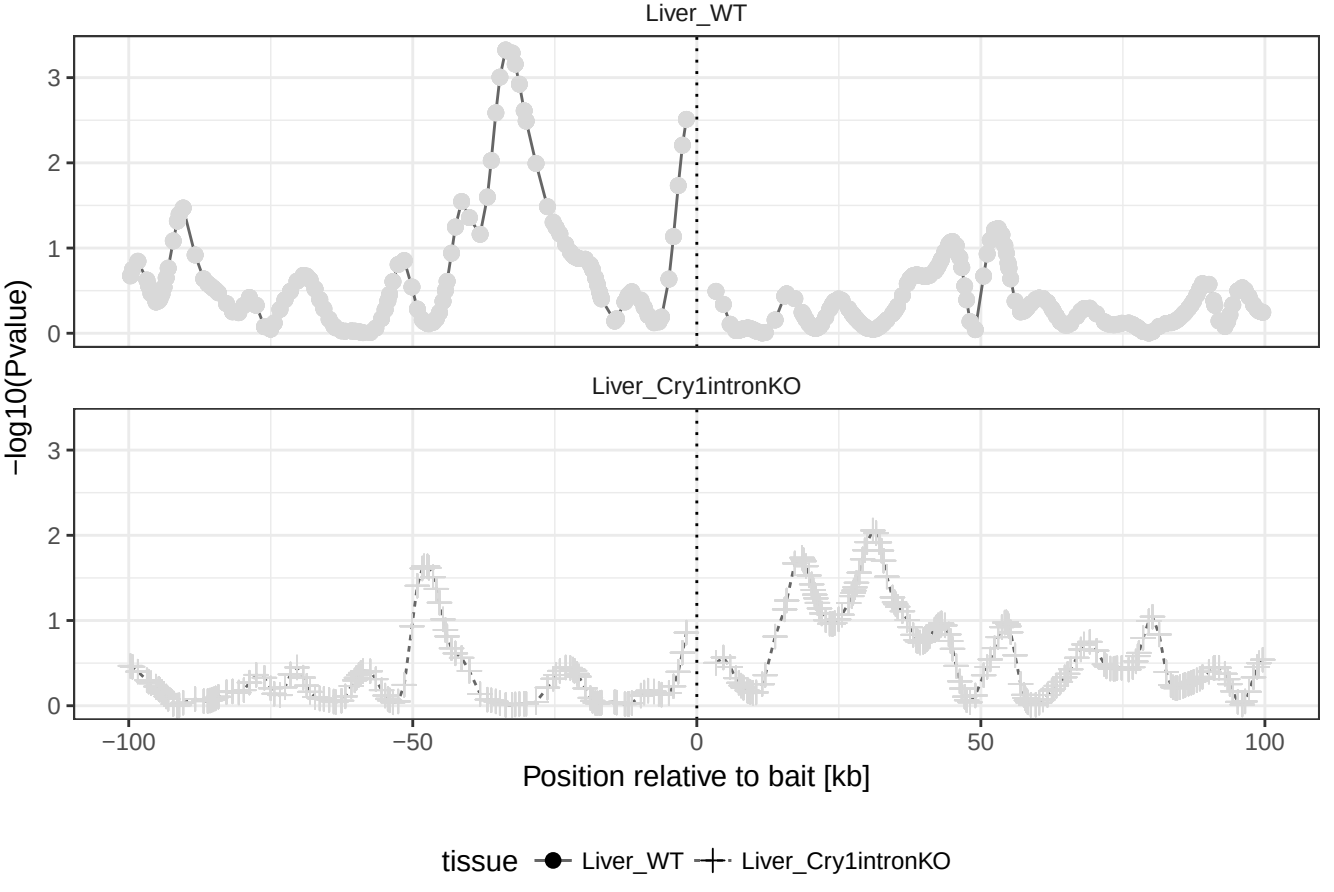

Fragment range: −36000 to −29000
Log10 Signal
0.6
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

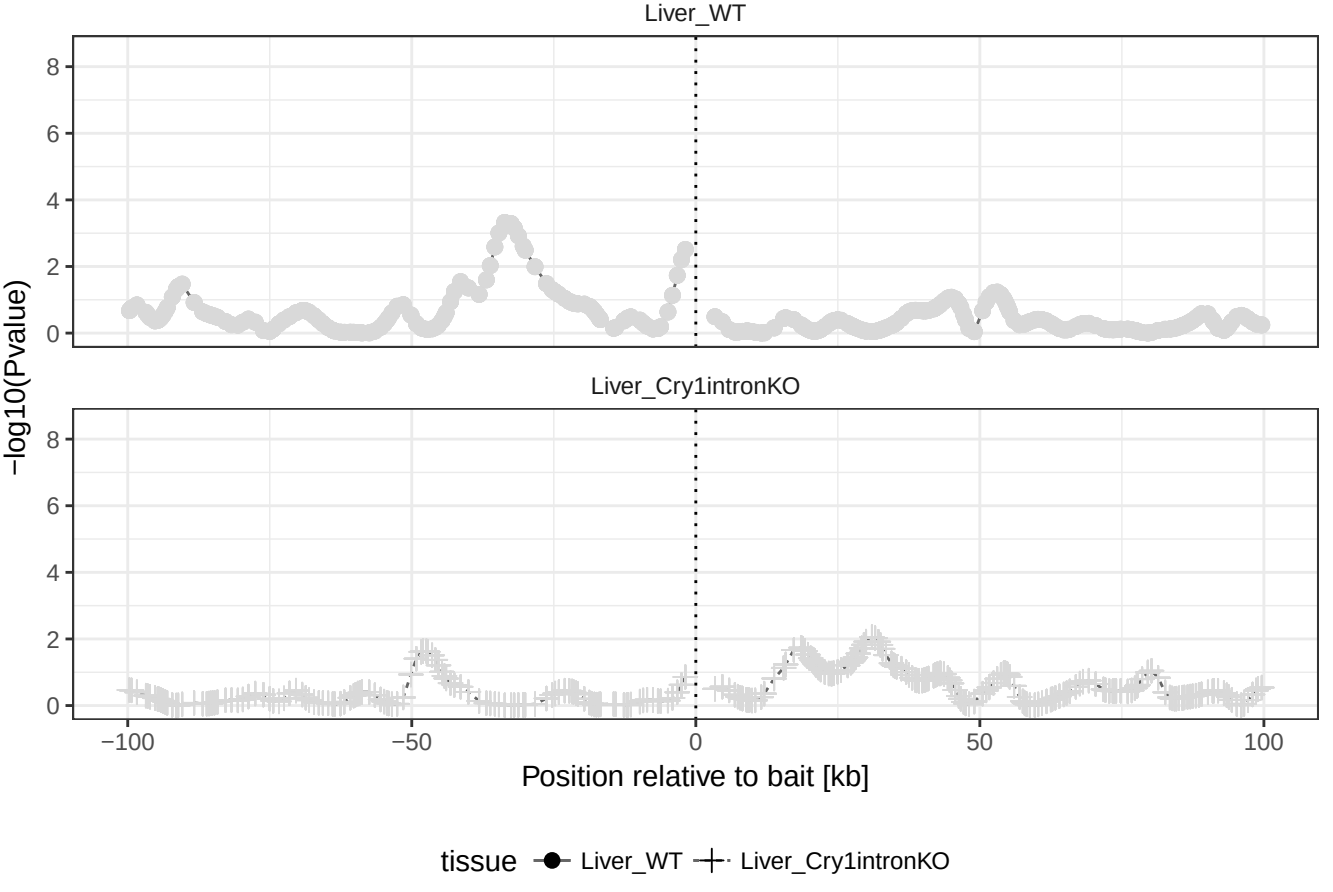

Fragment range: −36000 to −29000
Best frag:−33645 Pval=0.032,Phase=19,Amp=0.31
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

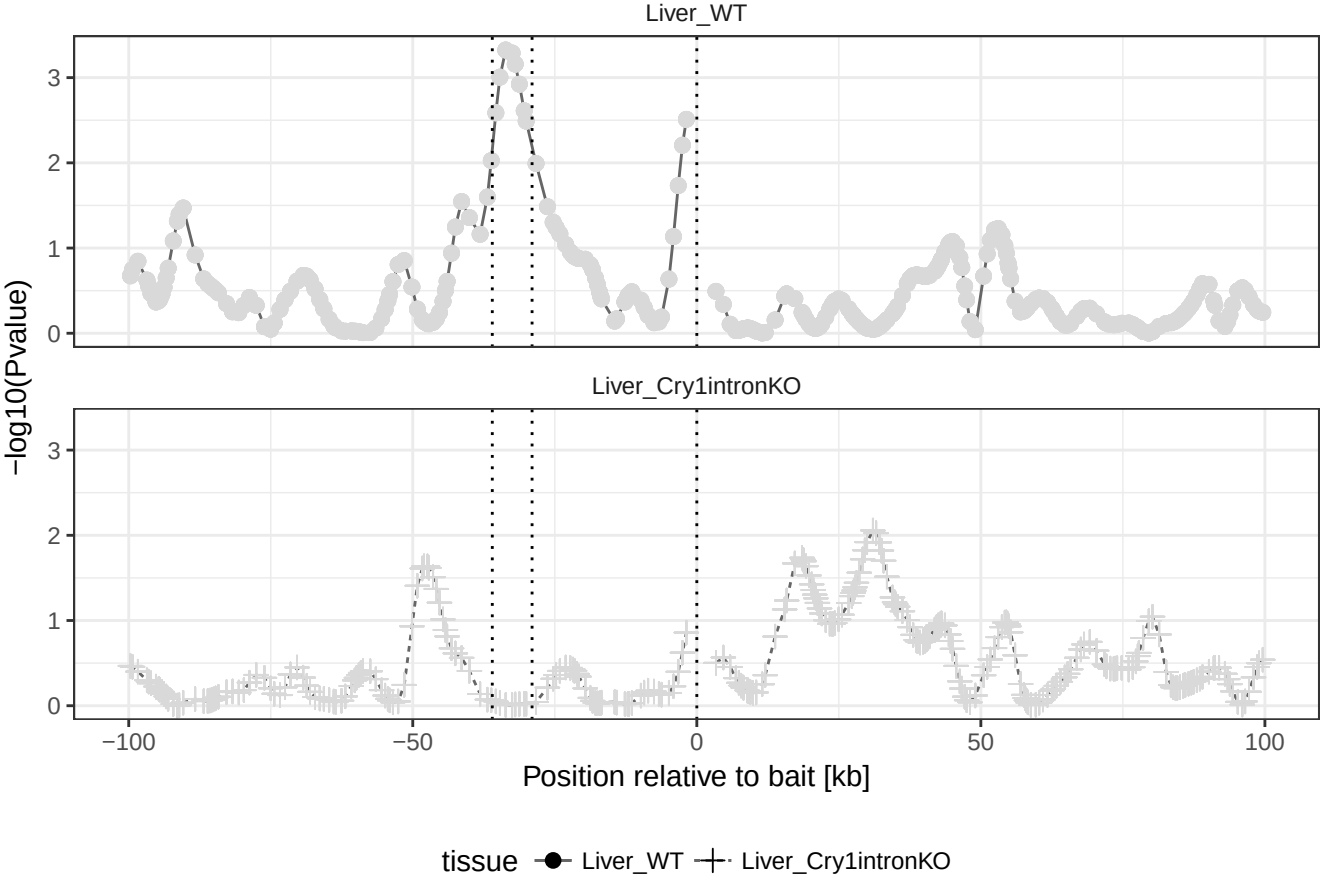

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

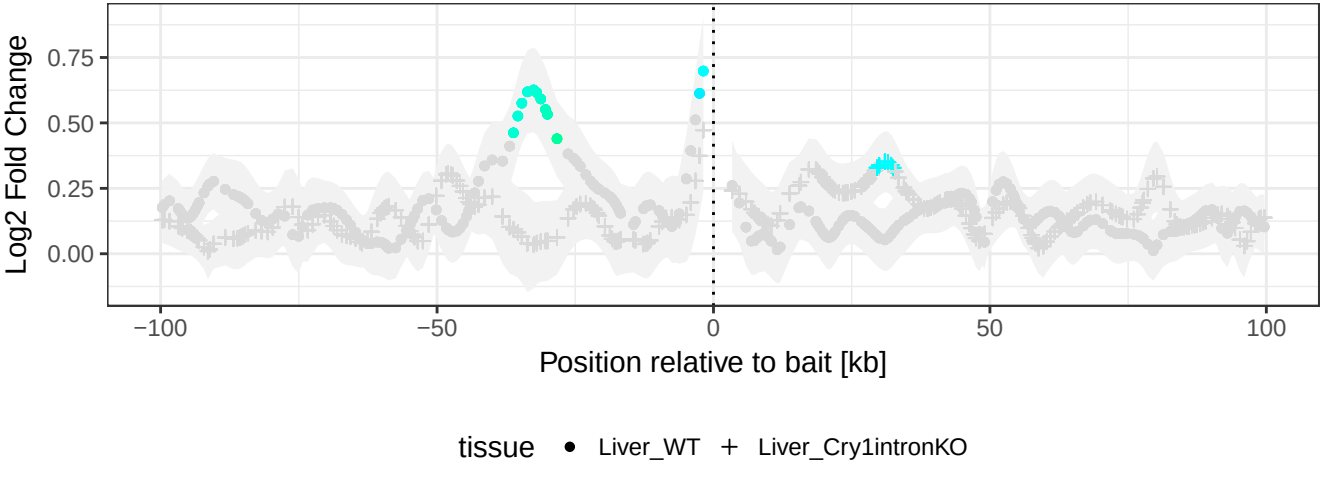

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
1.00
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

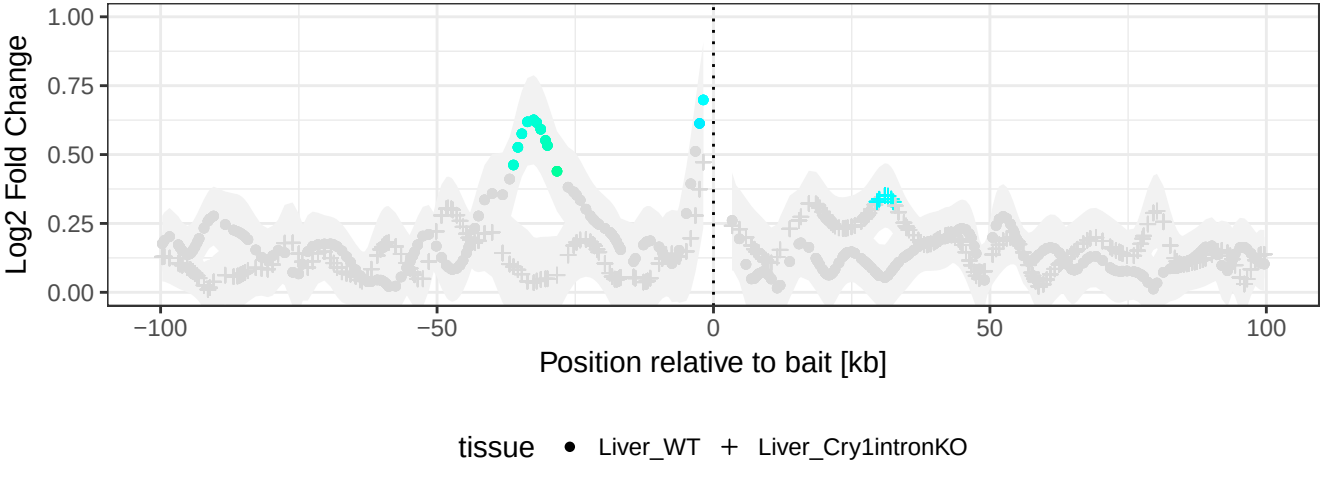

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

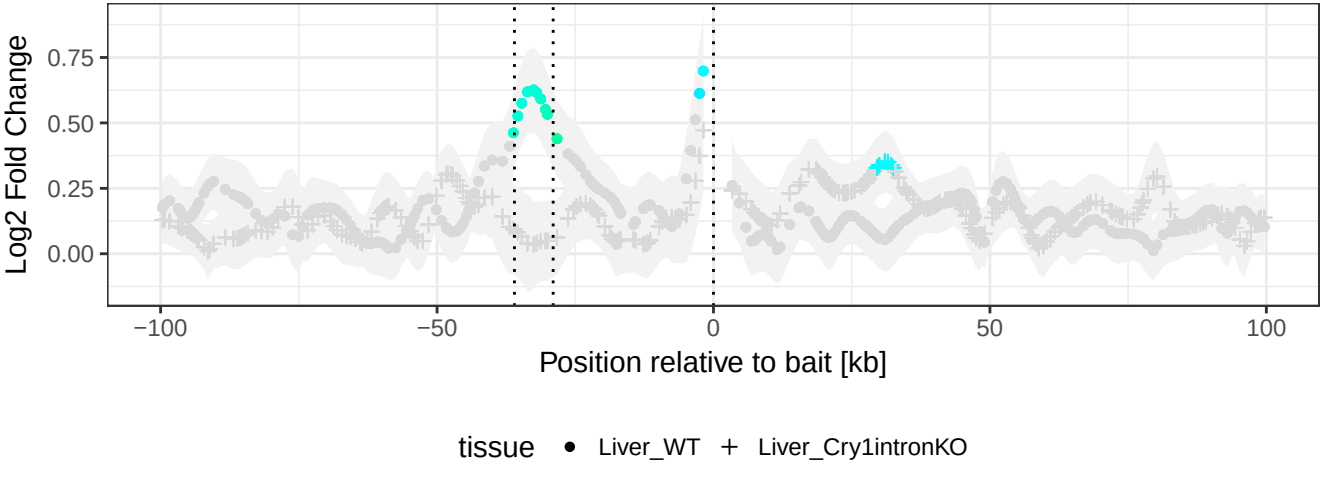

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
1
2
3
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

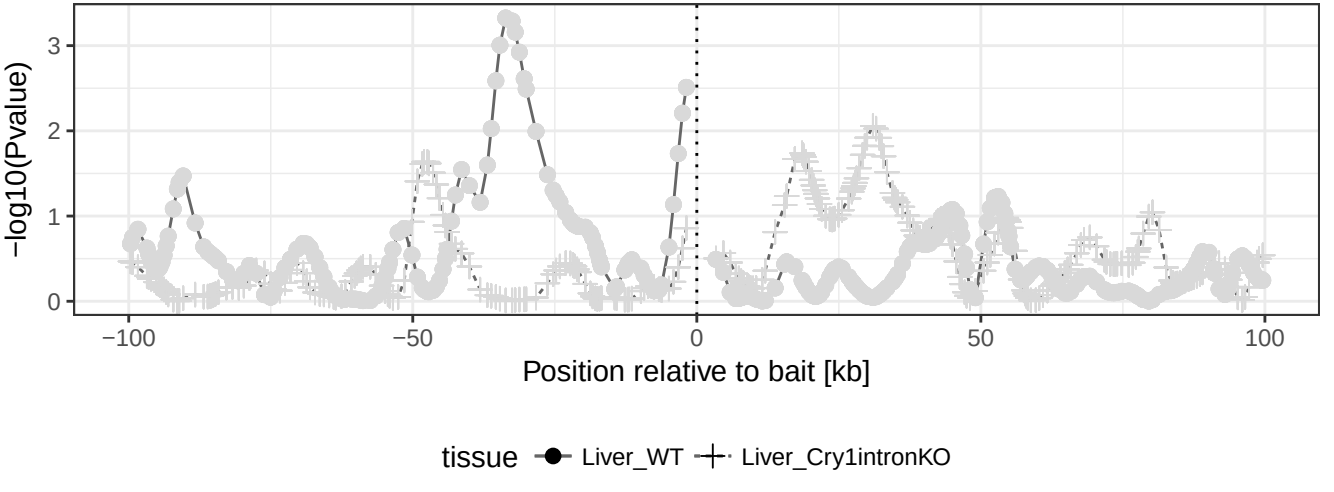

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
2
4
6
8
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

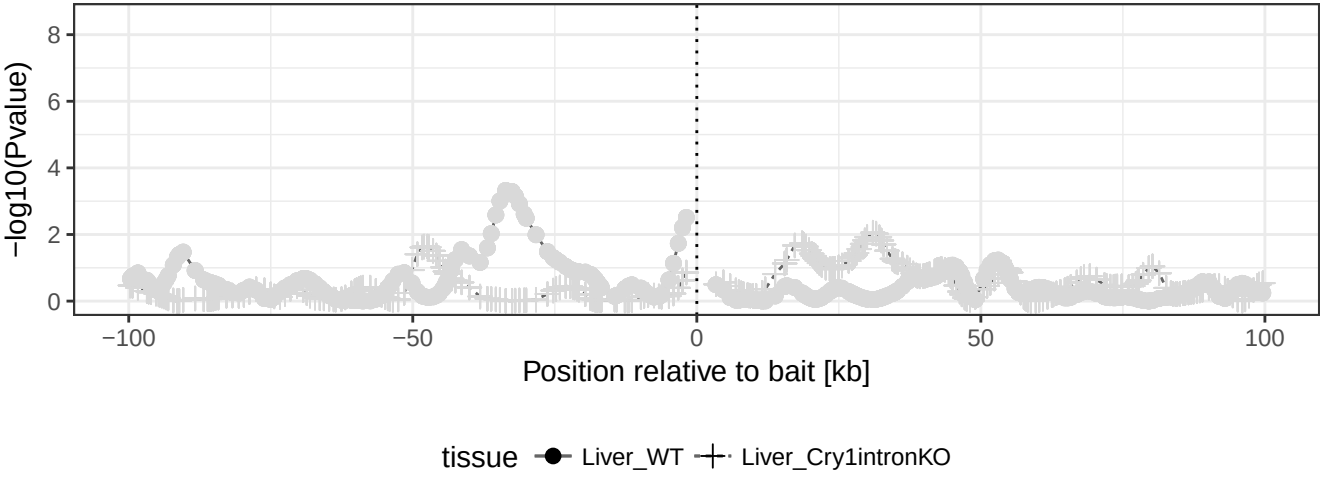

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
1
2
3
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

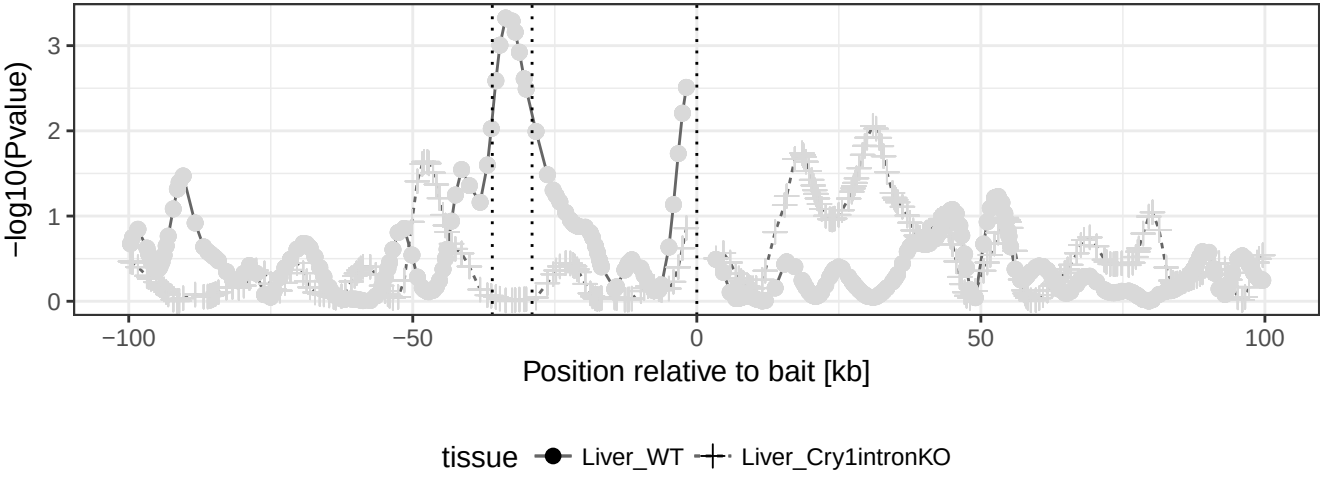

Log2 Fold Change
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

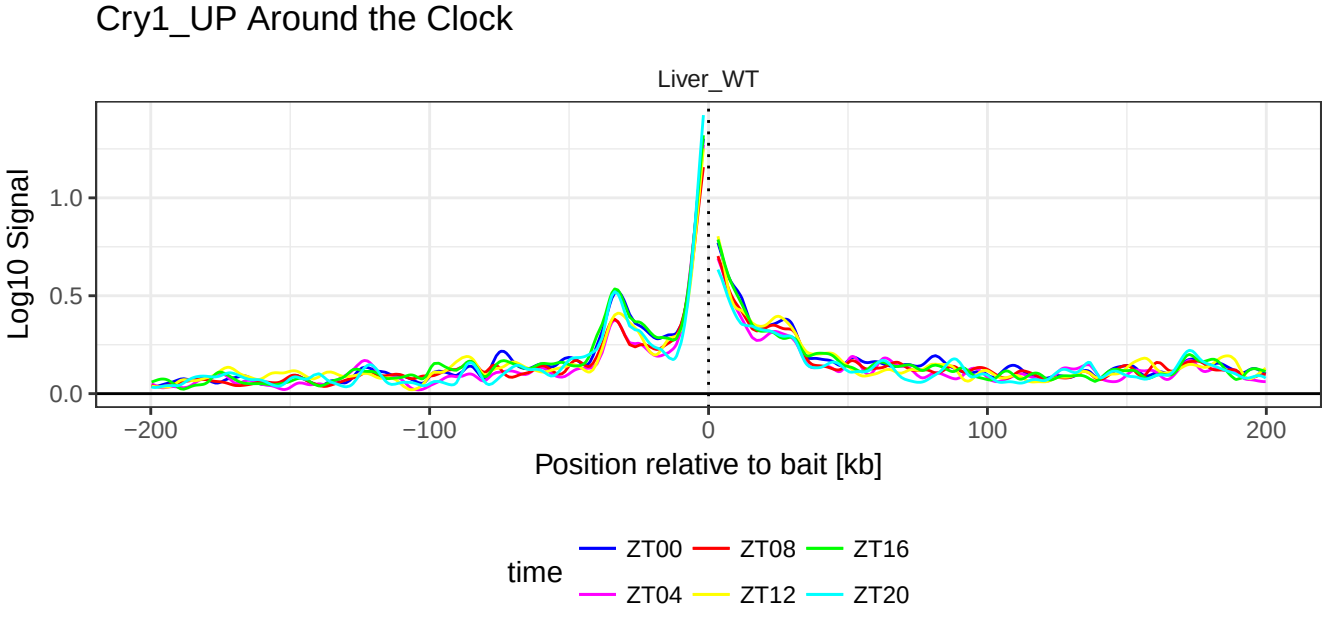

Log2 Fold Change
1.00
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

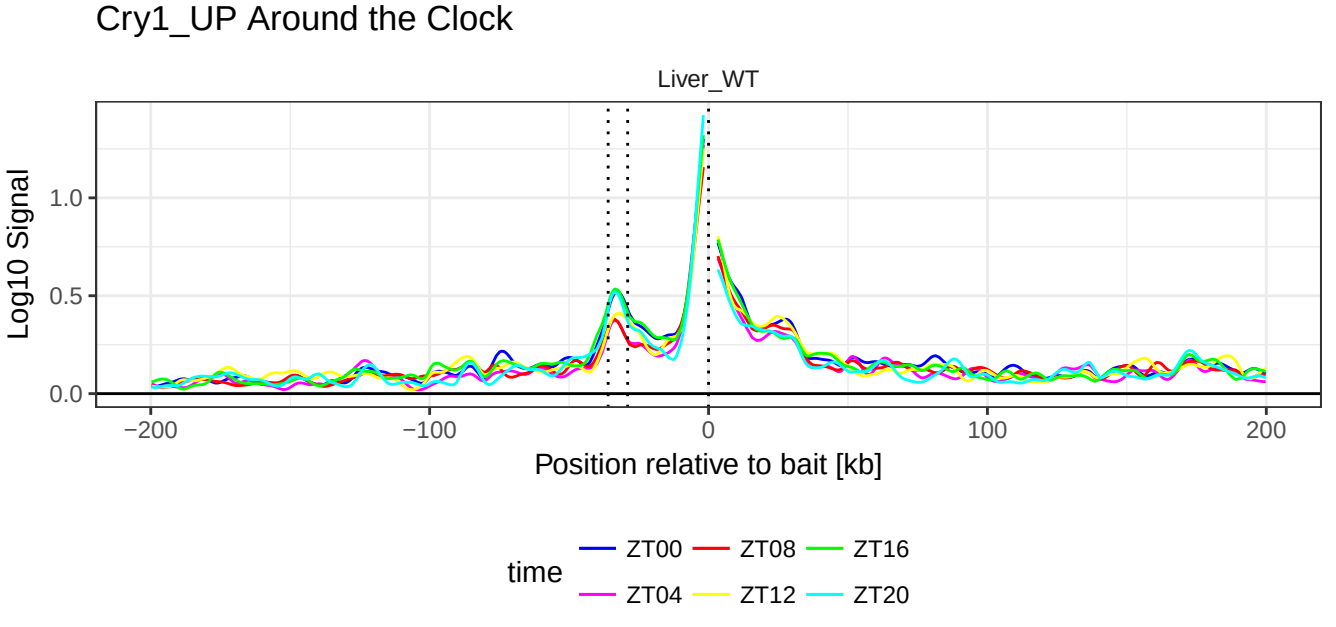

Log2 Fold Change
0.75
0.50
0.25
0.00
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

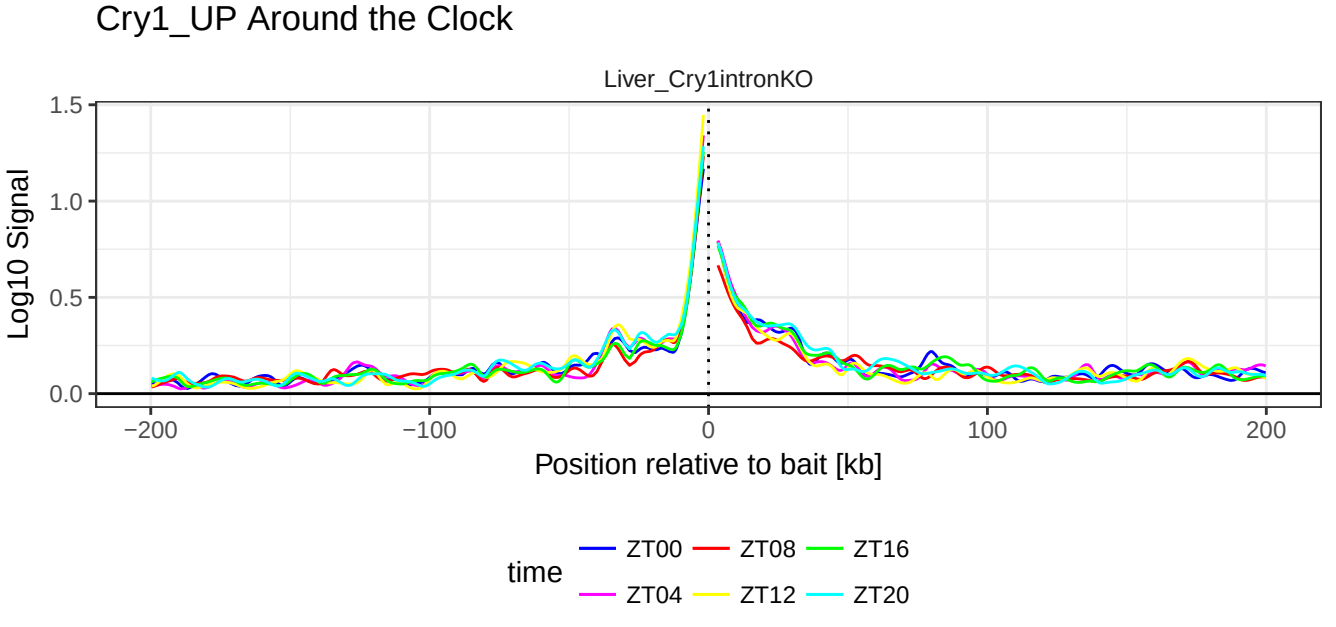

−log10(Pvalue)
3
2
1
0
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

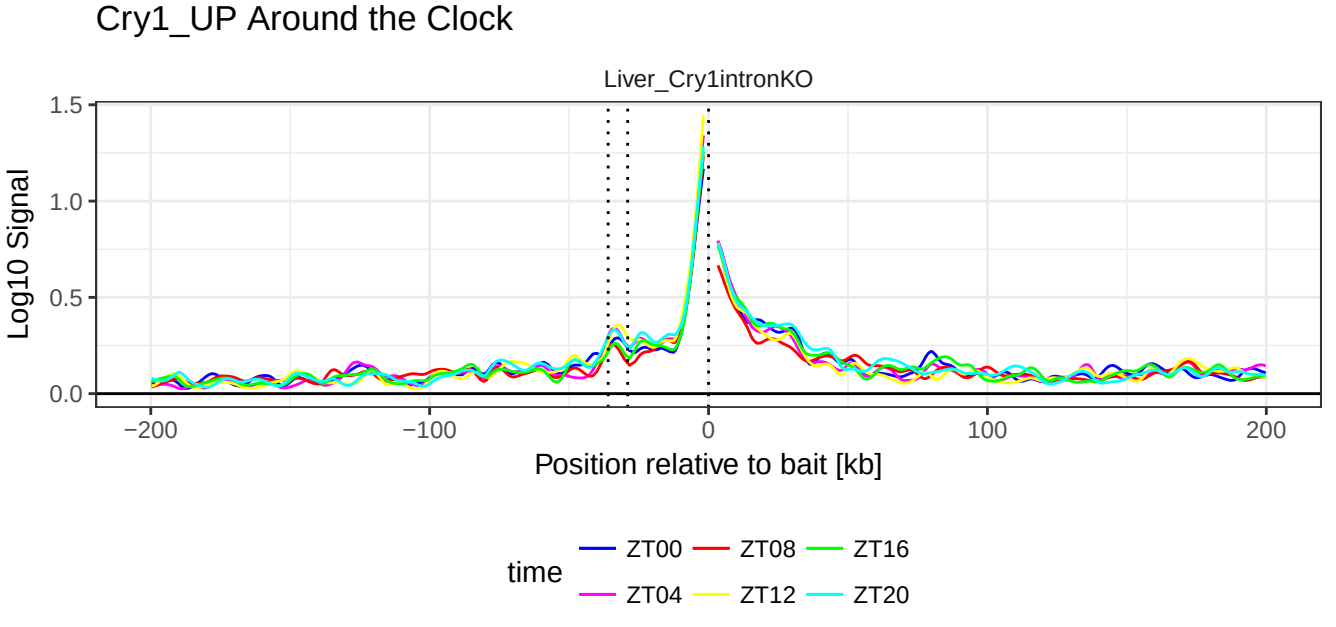

−log10(Pvalue)
8
6
4
2
0
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

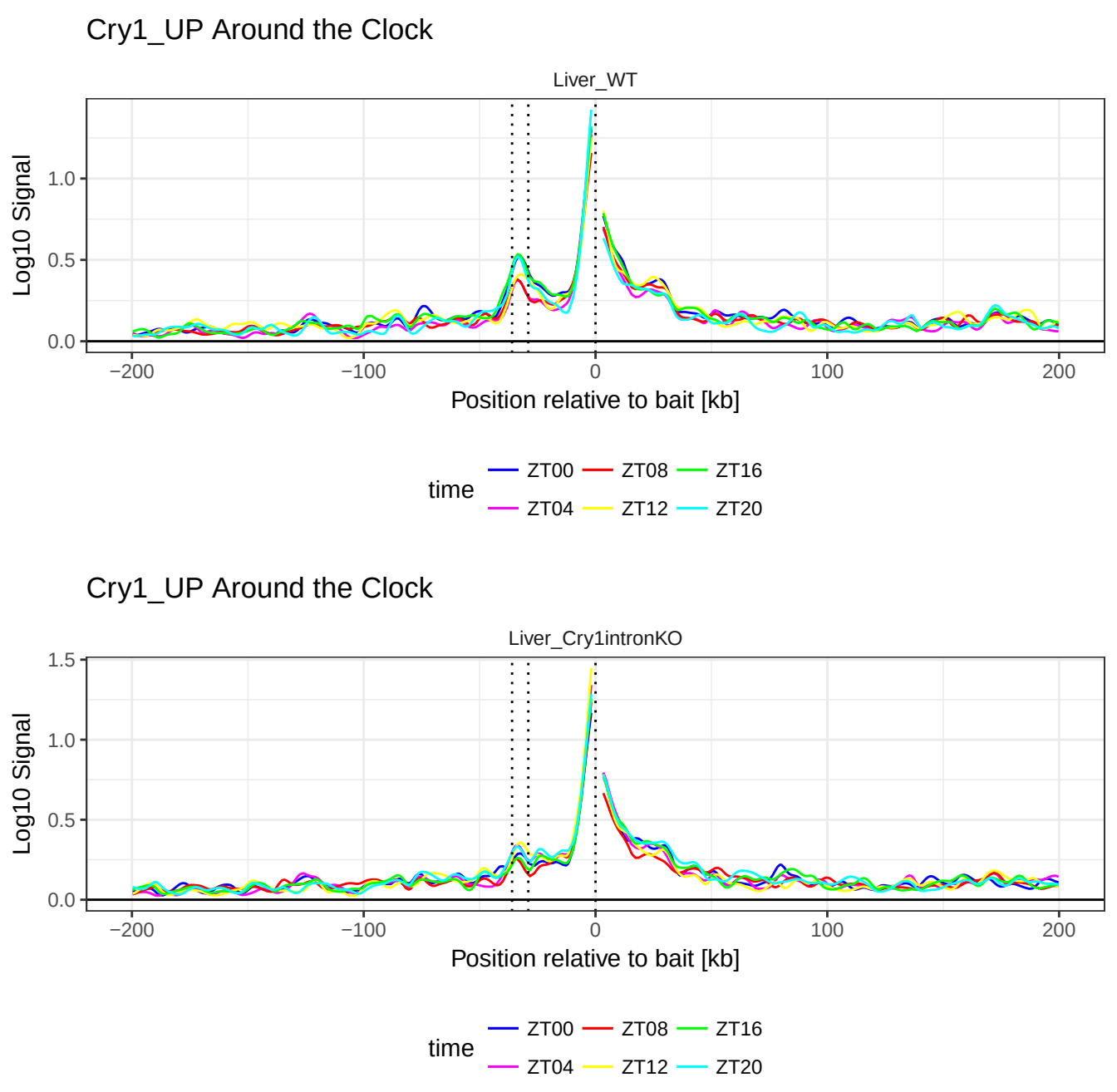

−log10(Pvalue)
3
2
1
0
−100
−50
0
50
100
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

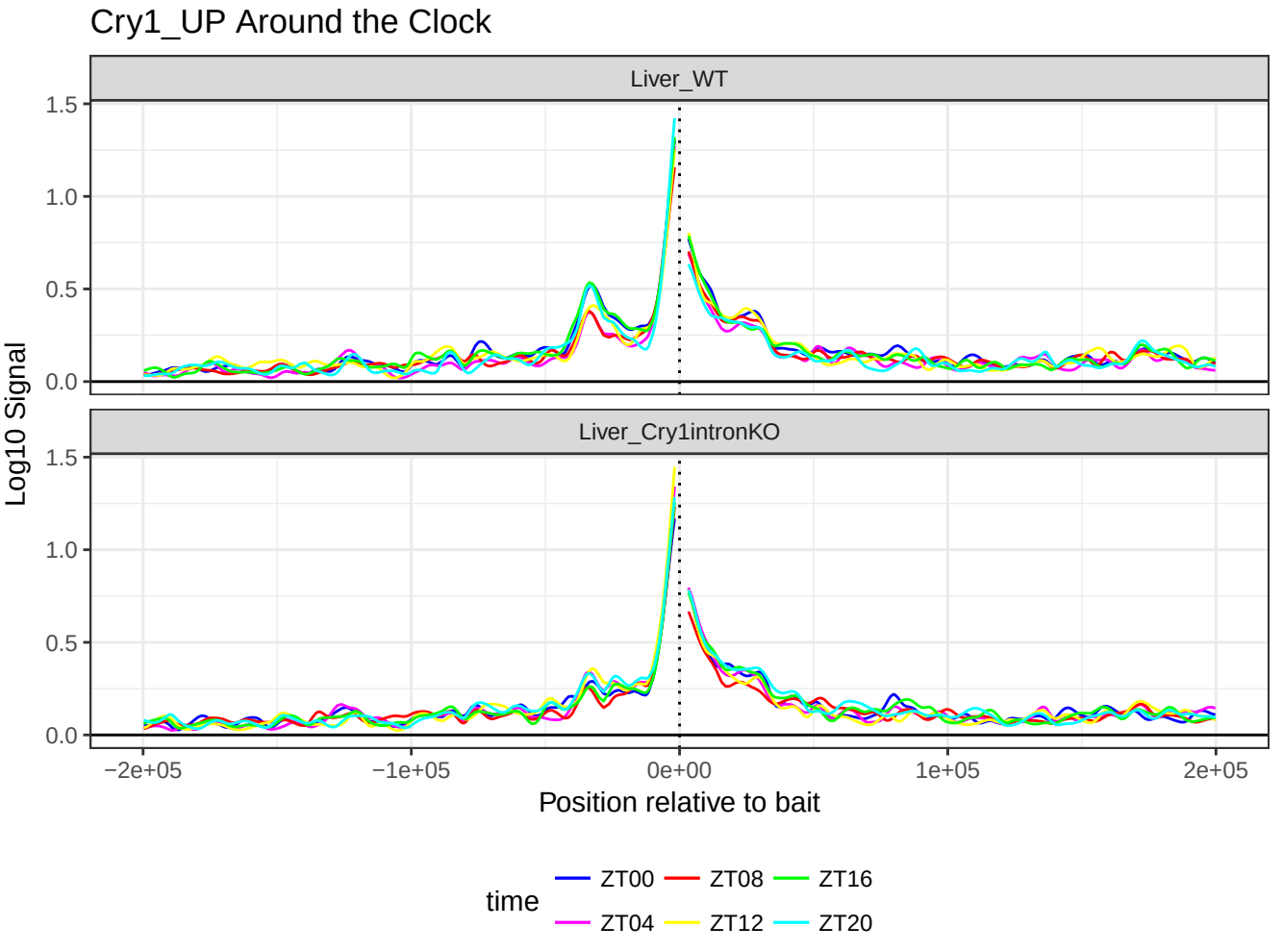

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

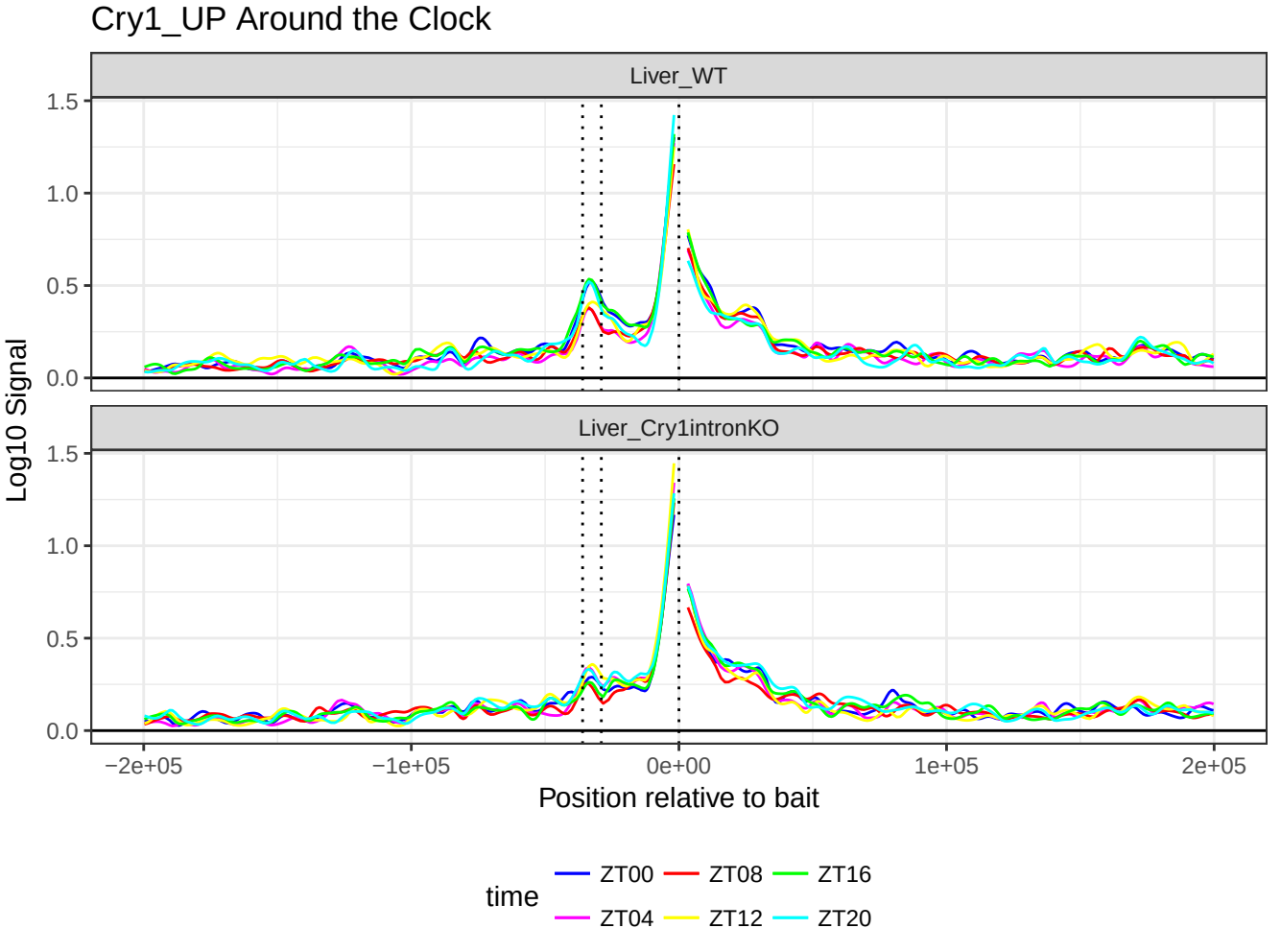

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

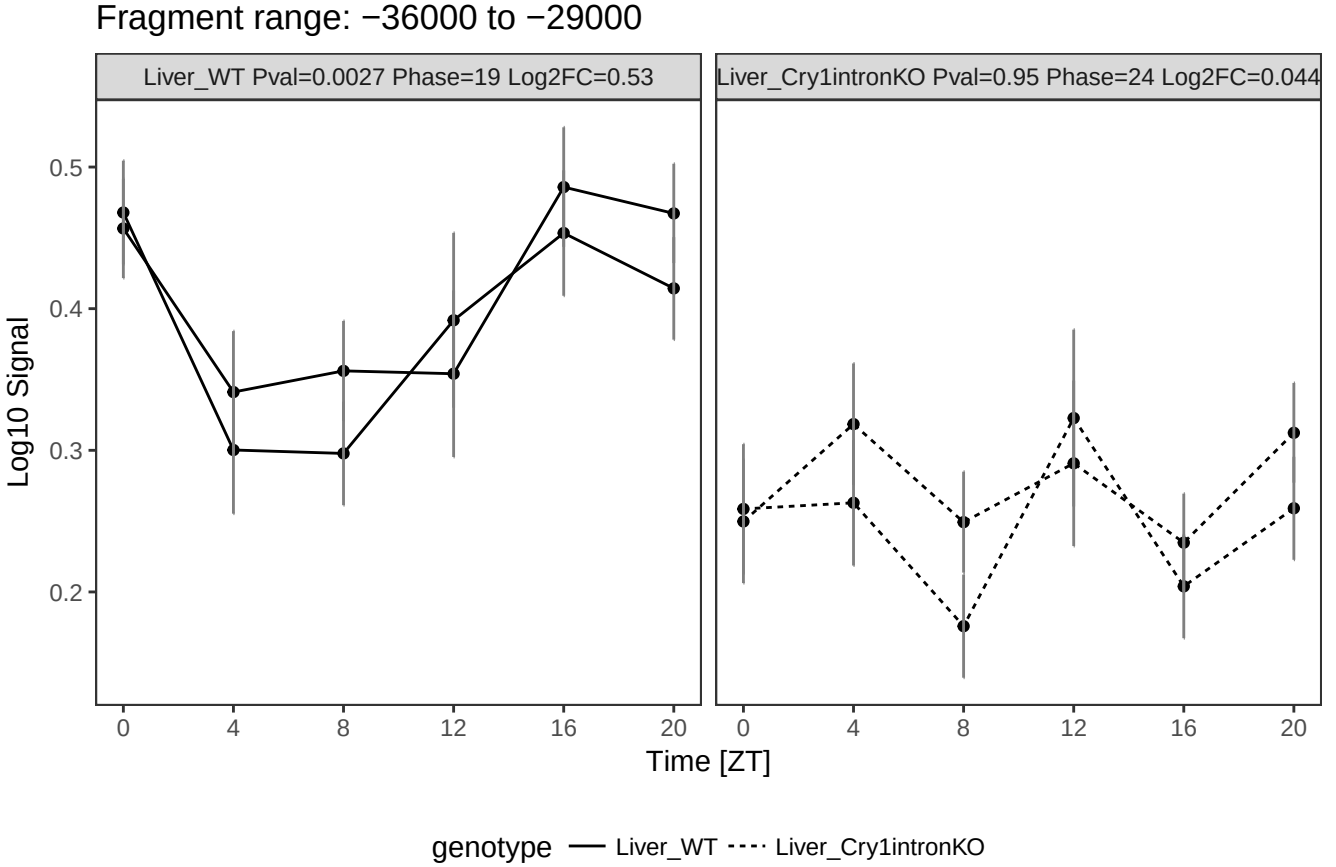

Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

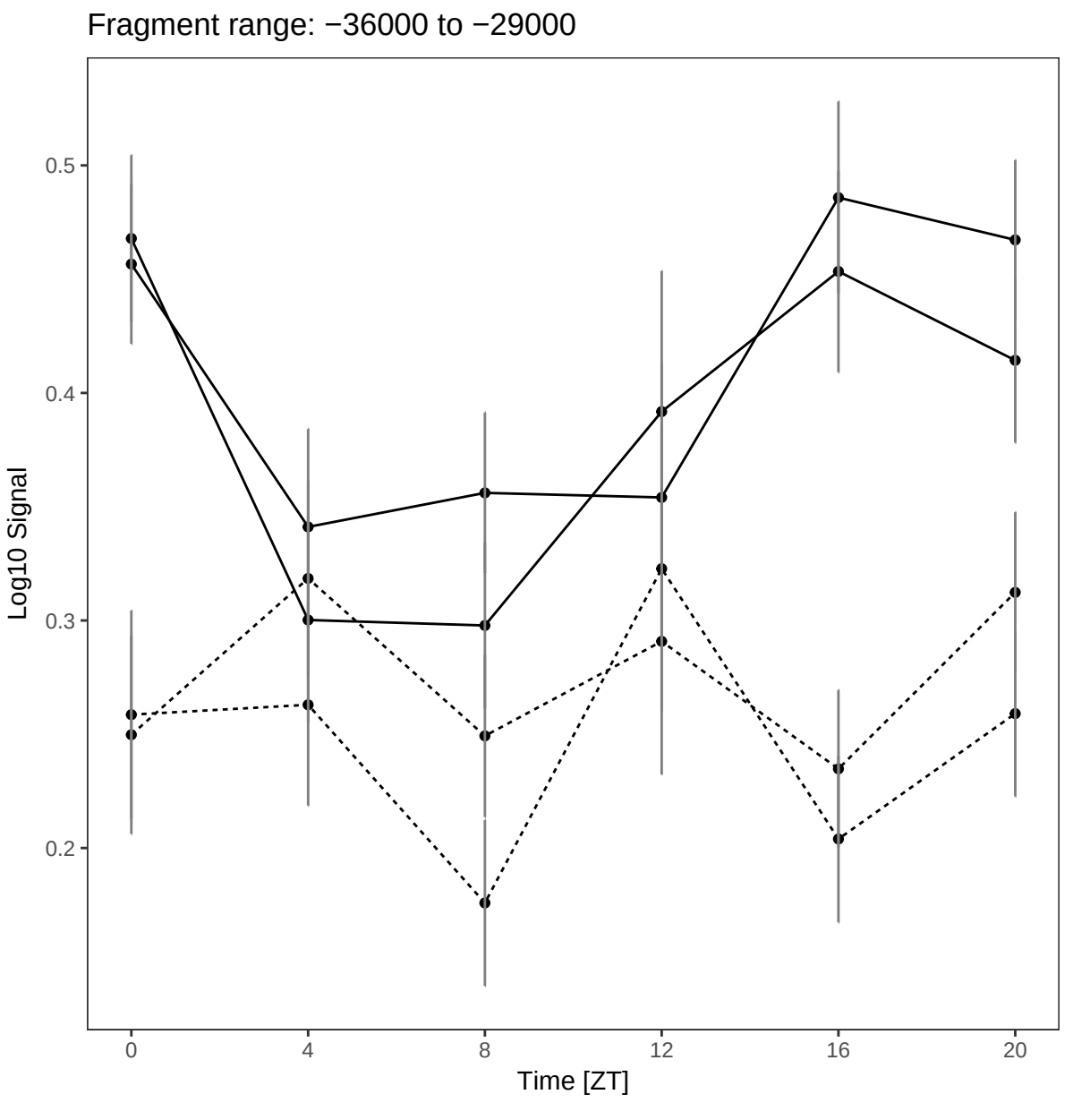

Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

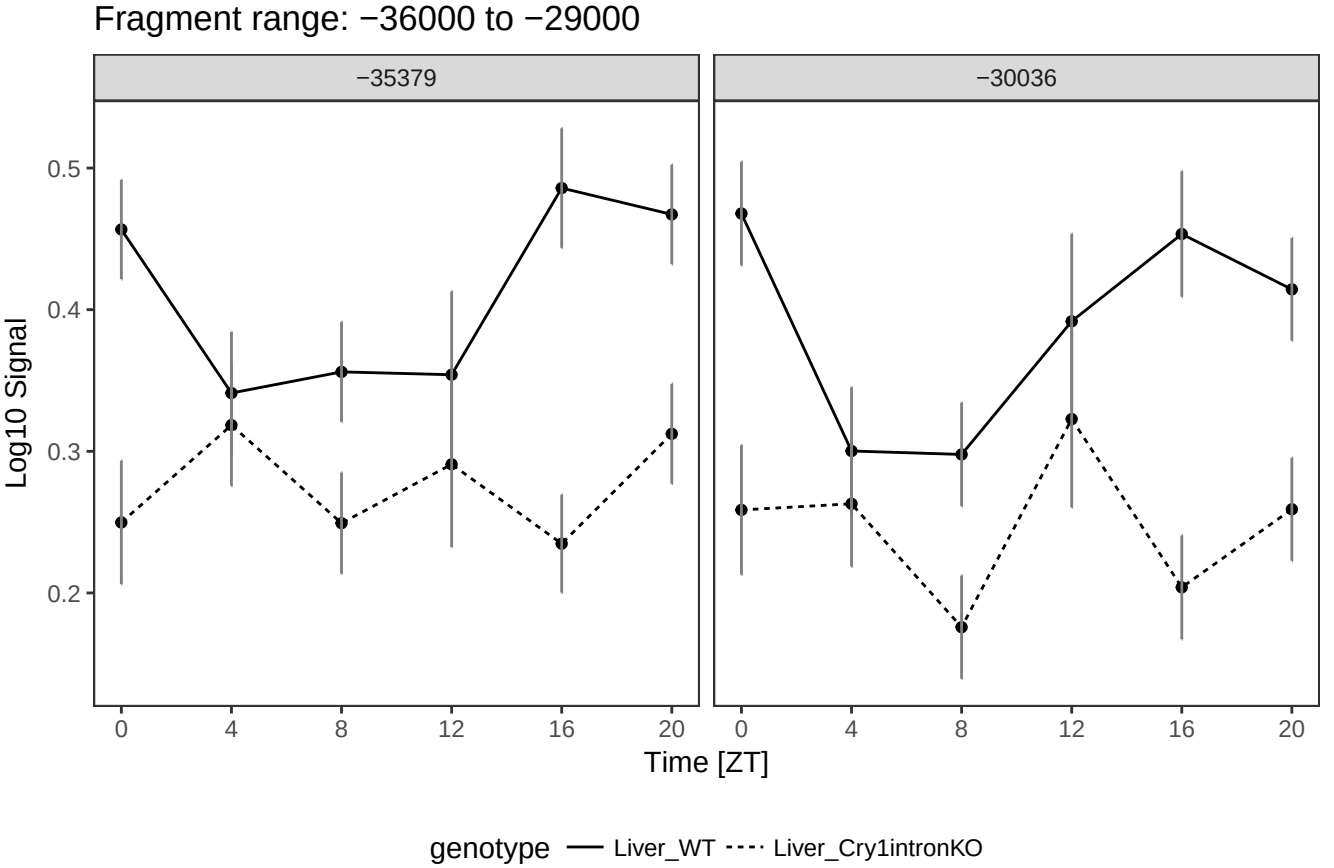

Cry1_UP Around the Clock
Liver_WT
Log10 Signal
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20
Cry1_UP Around the Clock
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−200
−100
0
100
200
Position relative to bait [kb]
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

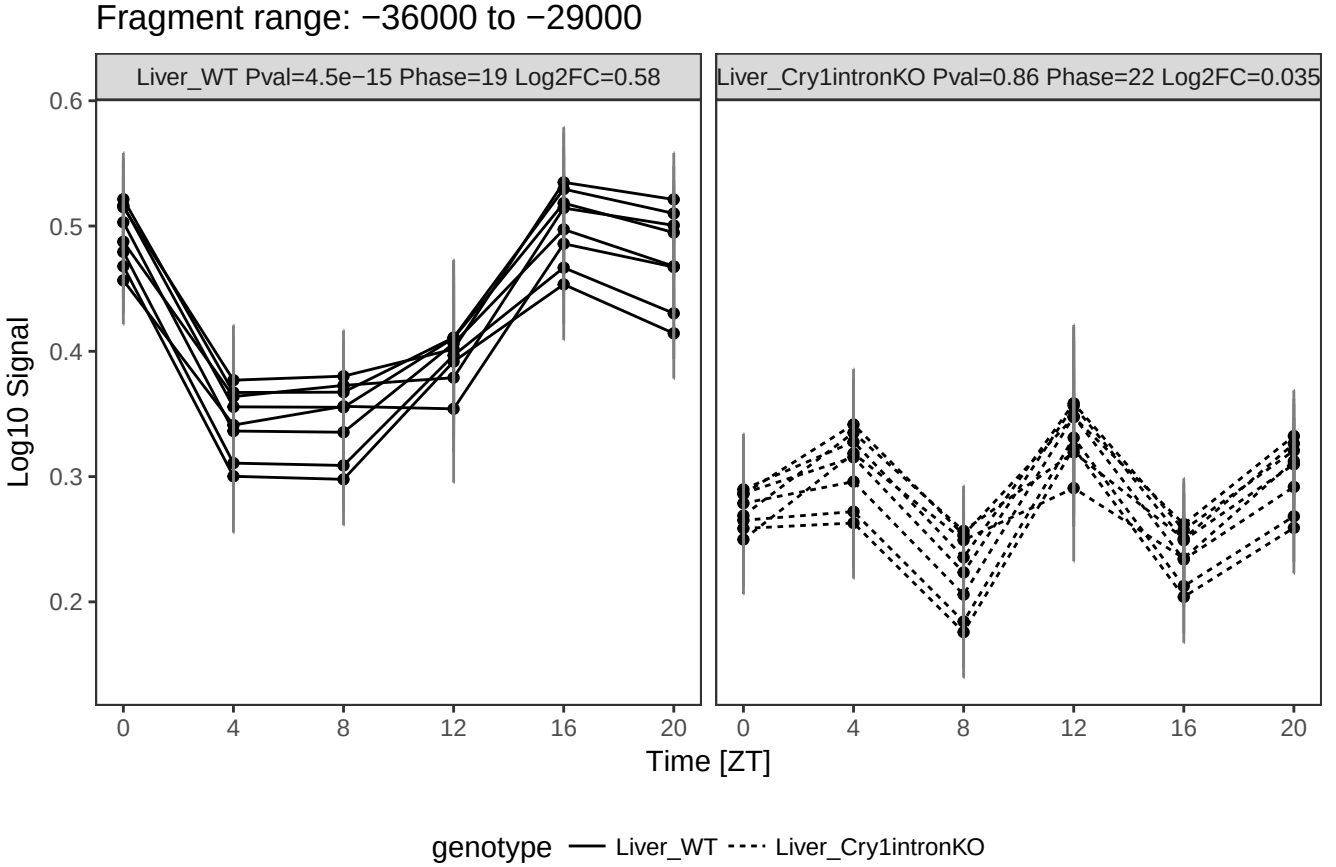

Cry1_UP Around the Clock
Liver_WT
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−2e+05
−1e+05
0e+00
1e+05
2e+05
Position relative to bait
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

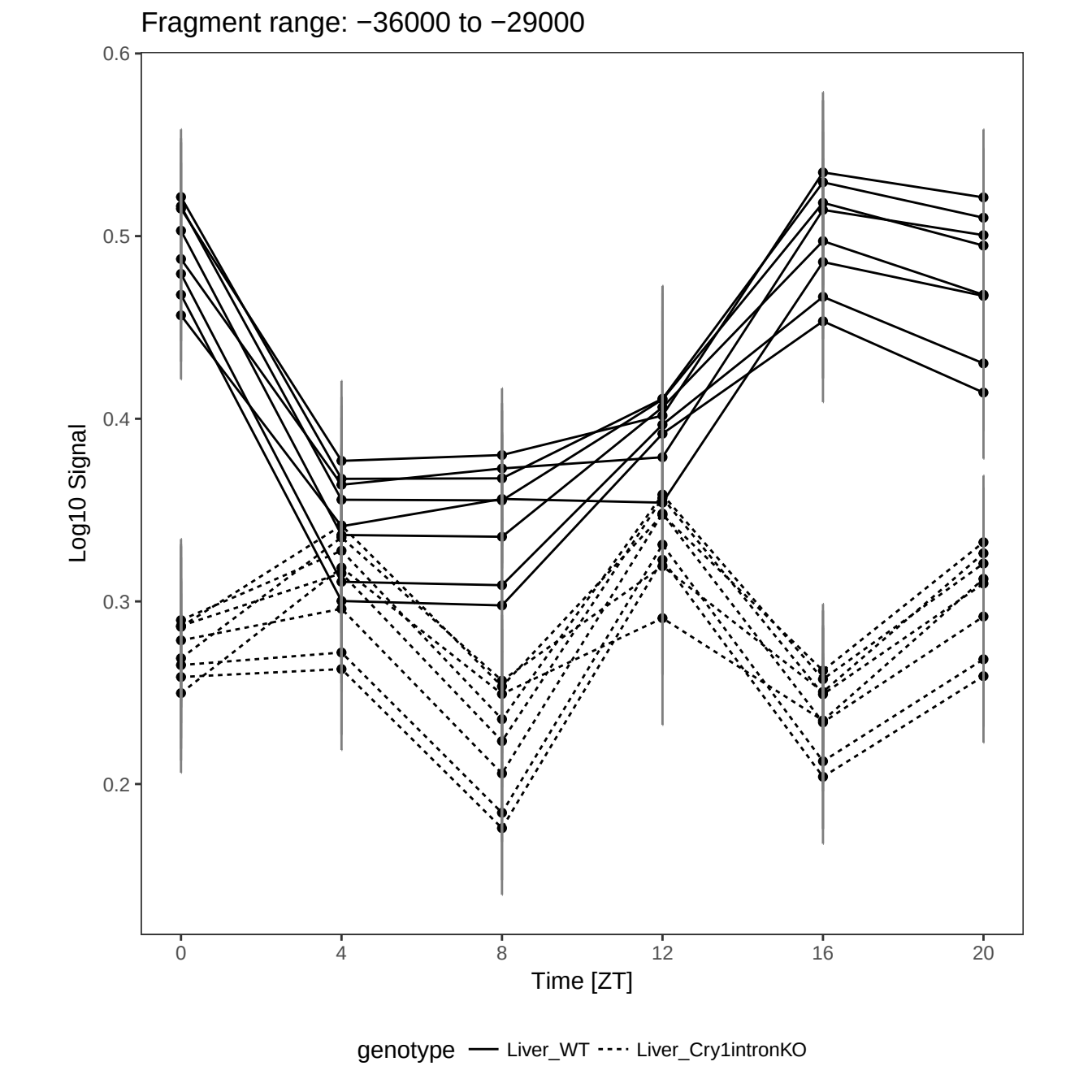

Cry1_UP Around the Clock
Liver_WT
Liver_Cry1intronKO
Log10 Signal
1.5
1.0
0.5
0.0
−2e+05
−1e+05
0e+00
1e+05
2e+05
Position relative to bait
time
ZT00
ZT04
ZT08
ZT12
ZT16
ZT20

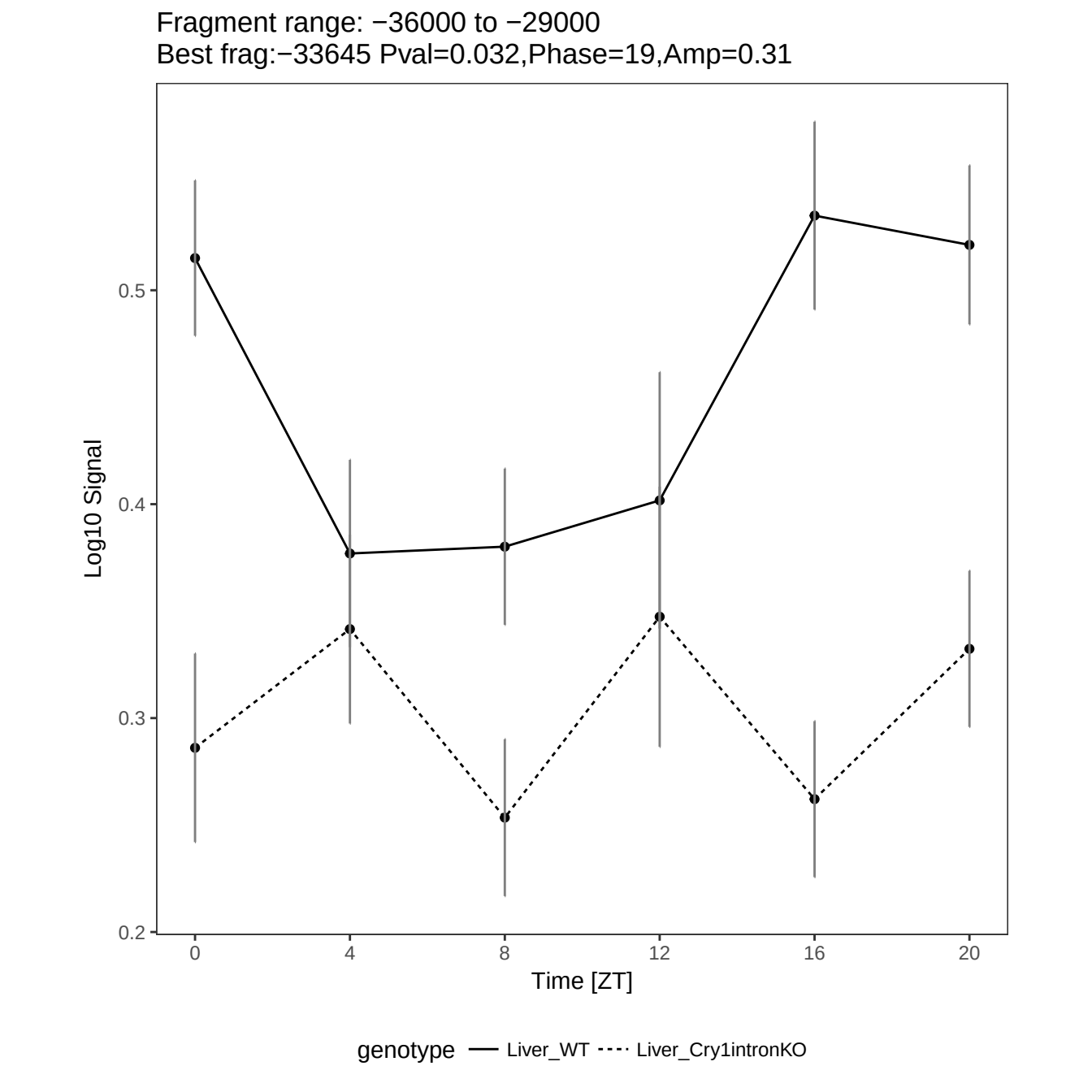

Fragment range: −36000 to −29000
Liver_WT Pval=0.0027 Phase=19 Log2FC=0.53
Liver_Cry1intronKO Pval=0.95 Phase=24 Log2FC=0.044
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

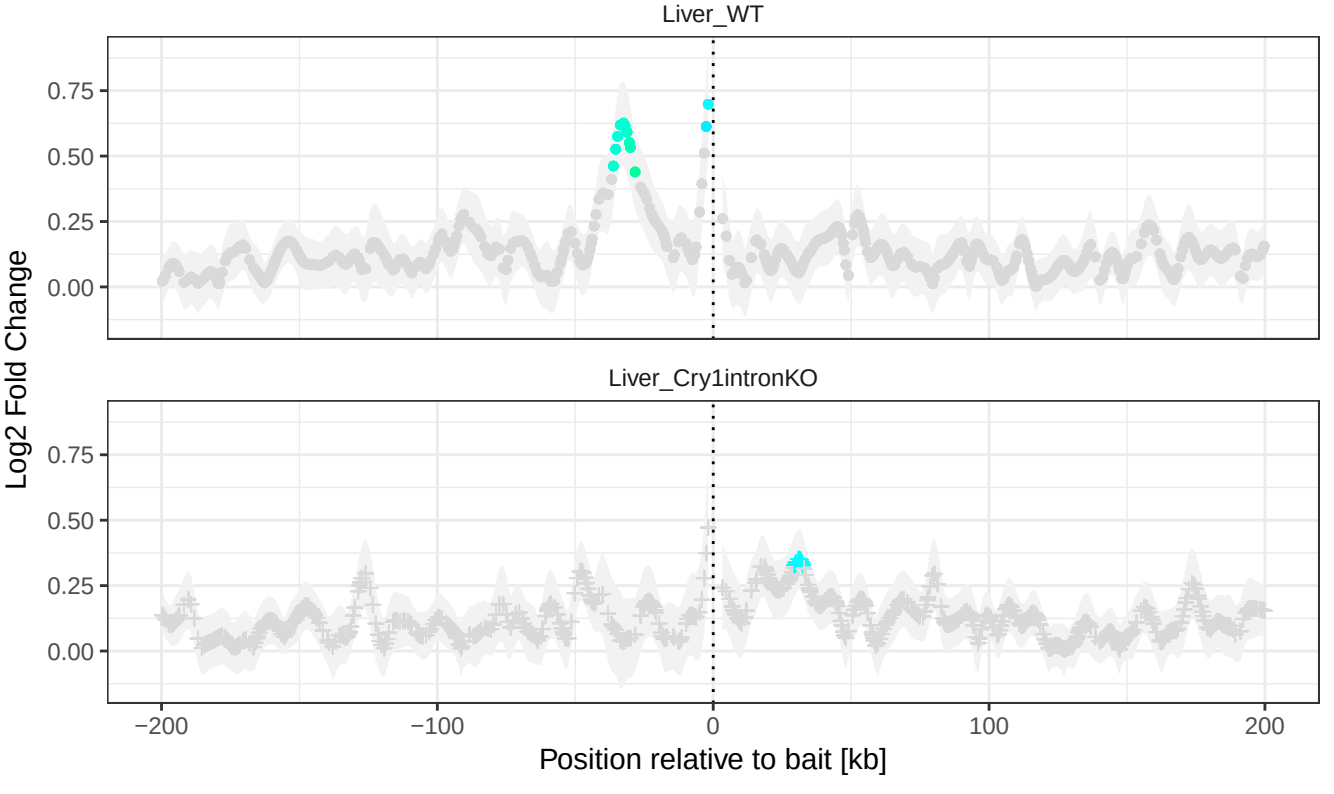

Fragment range: −36000 to −29000
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

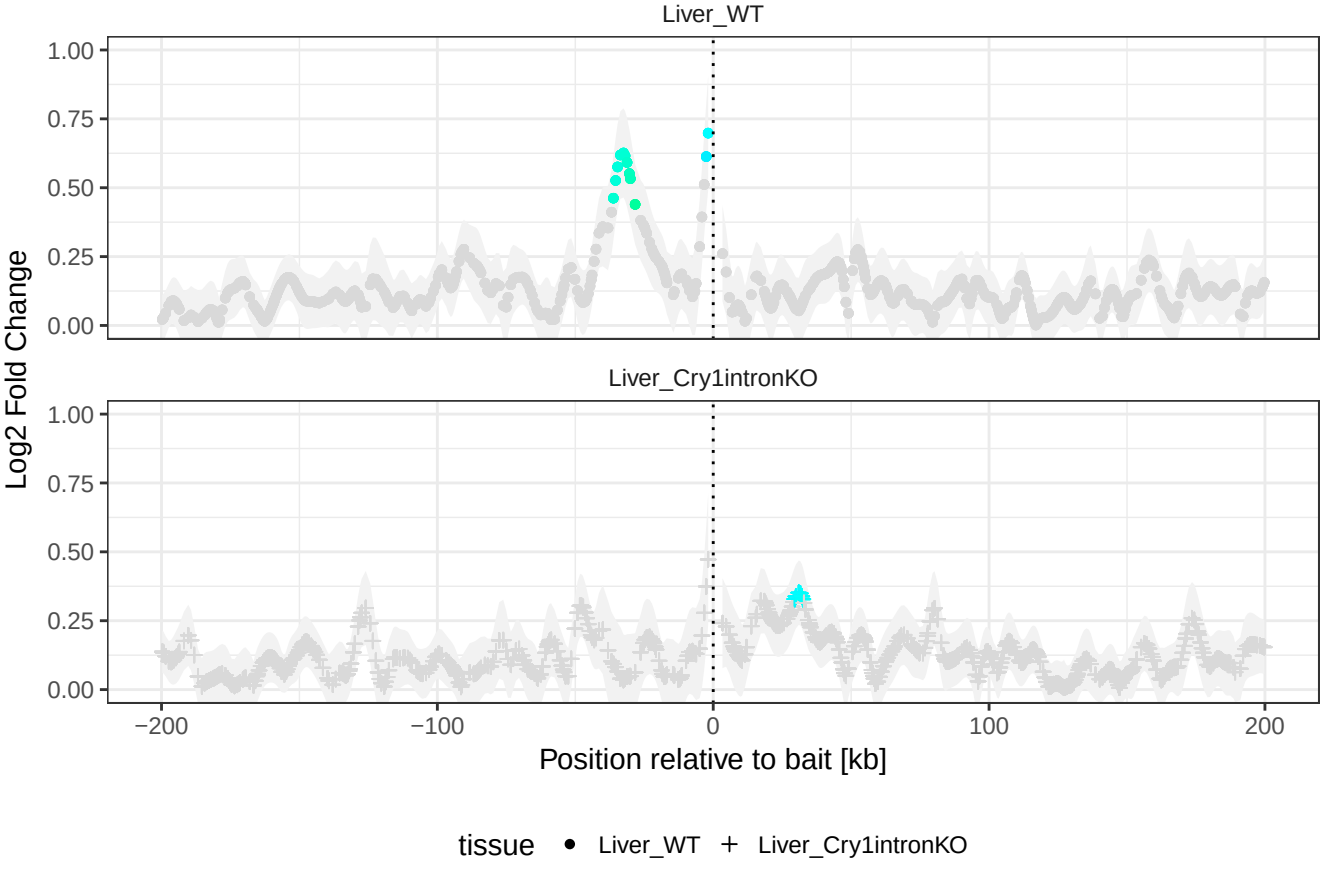

Fragment range: −36000 to −29000
−35379
−30036
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

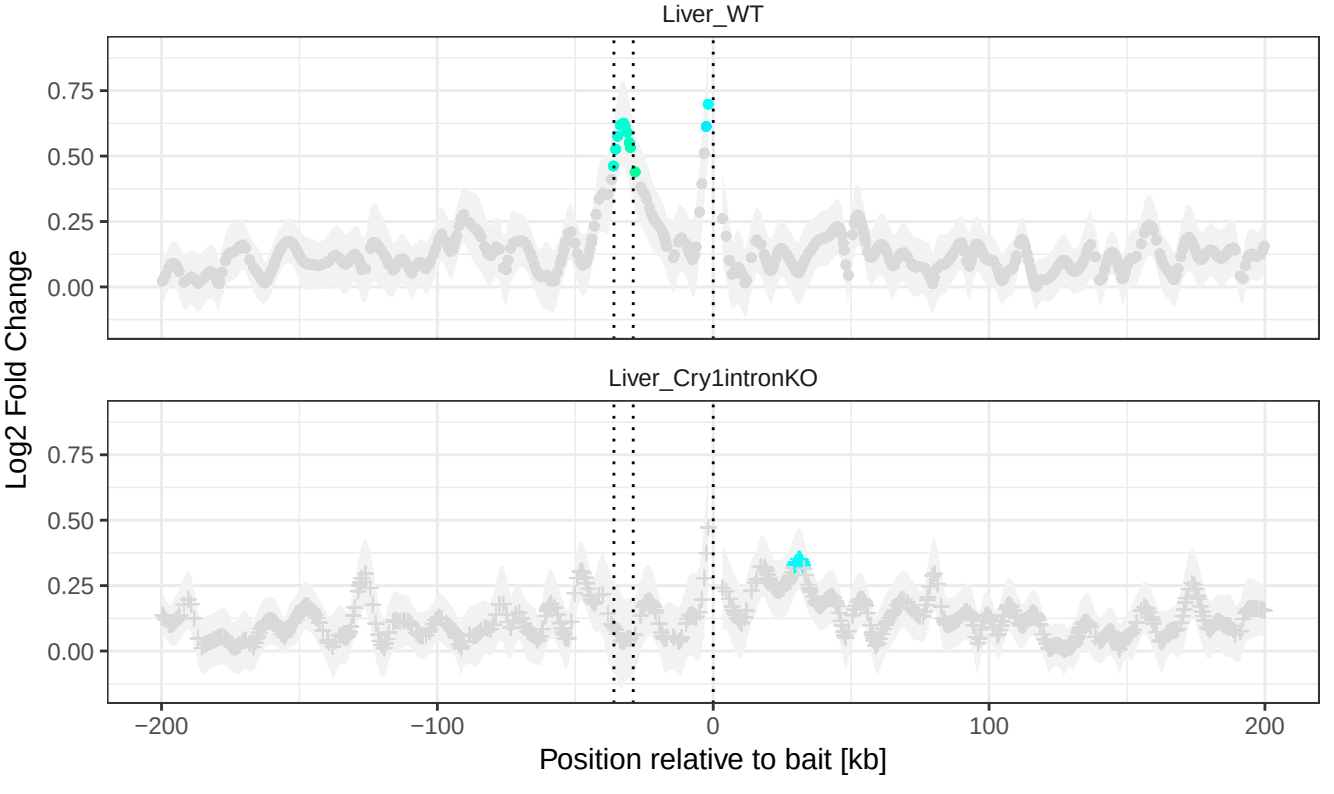

Fragment range: −36000 to −29000
Liver_WT Pval=4.5e−15 Phase=19 Log2FC=0.58
Liver_Cry1intronKO Pval=0.86 Phase=22 Log2FC=0.035
Log10 Signal
0.6
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

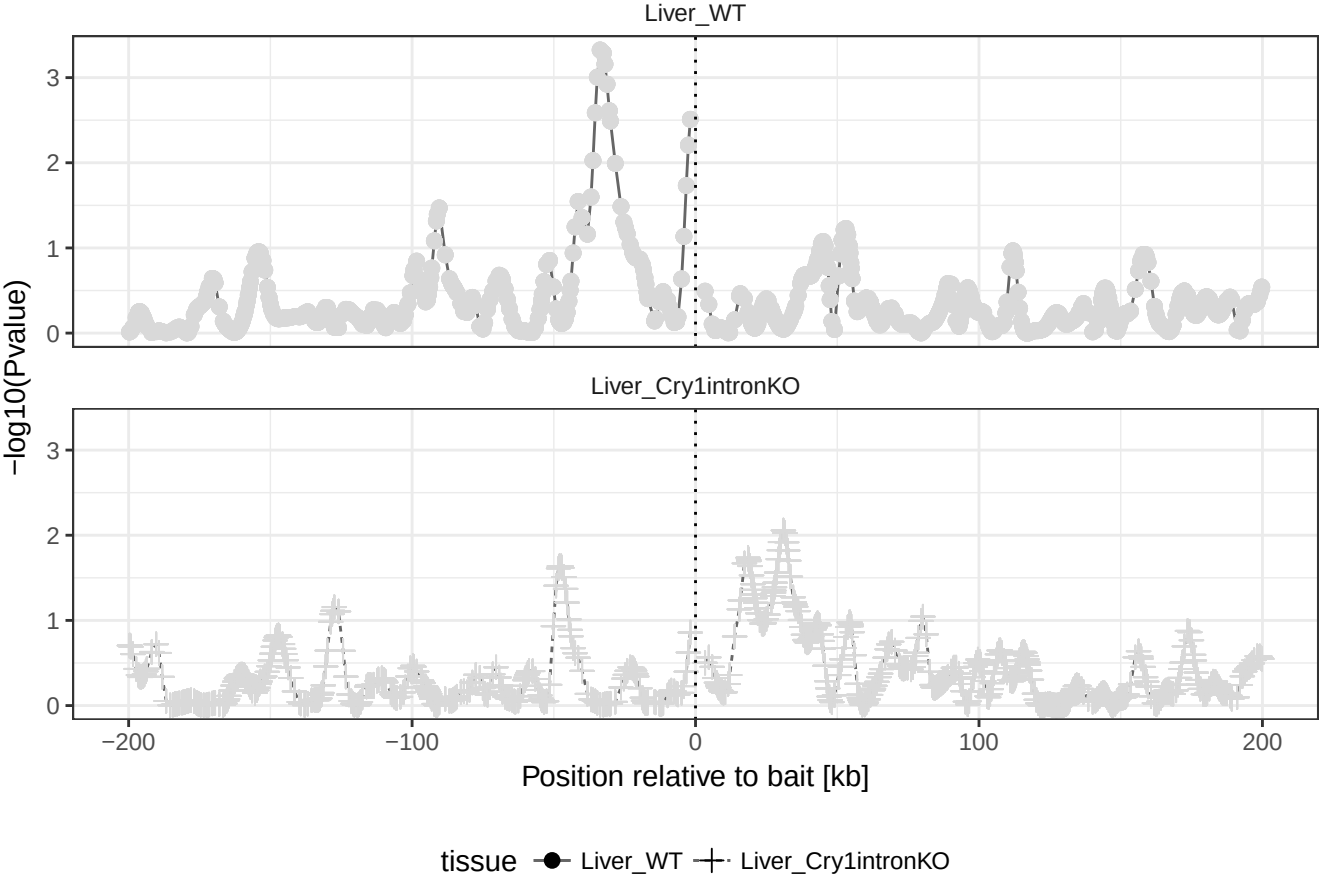

Fragment range: −36000 to −29000
Log10 Signal
0.6
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

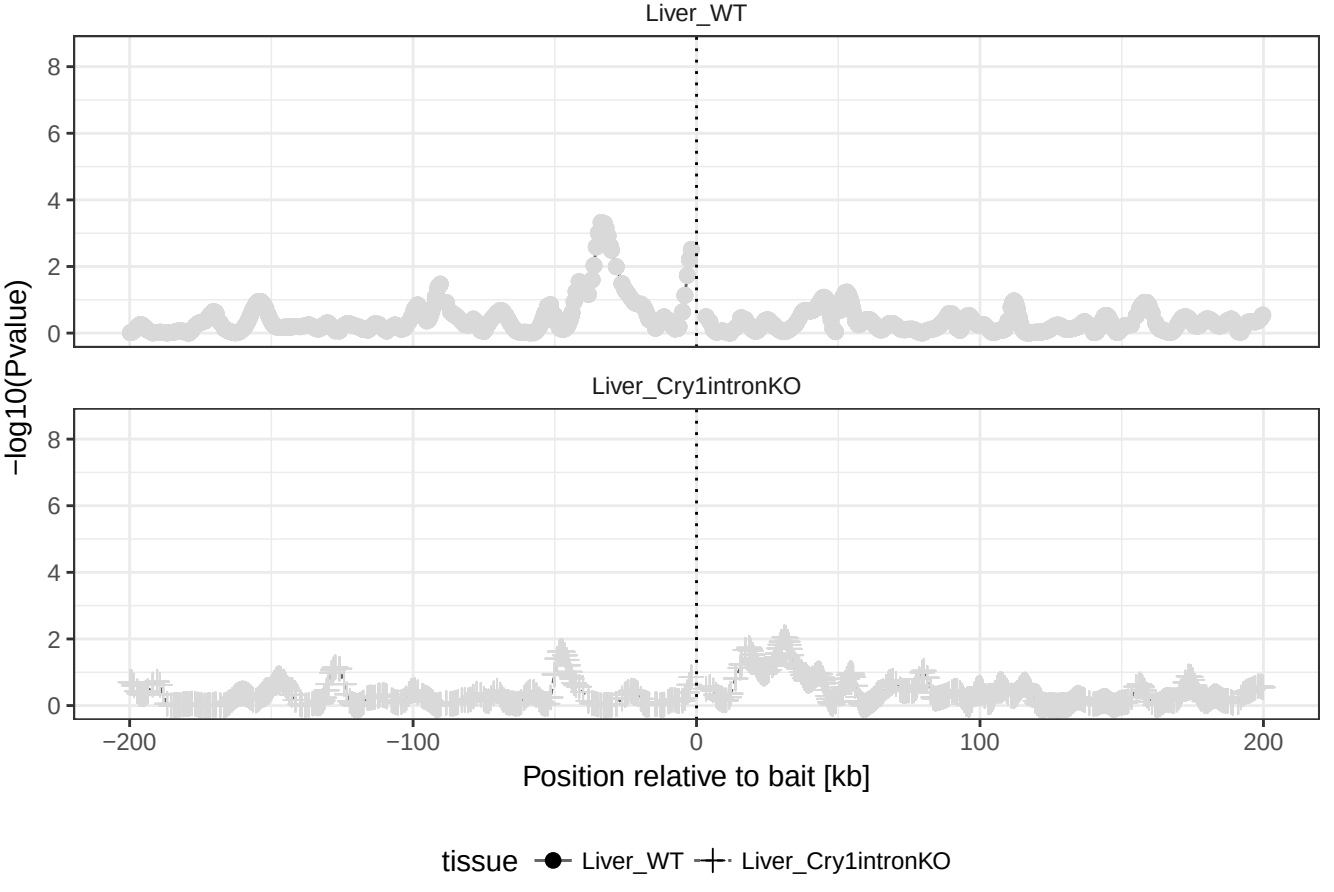

Fragment range: −36000 to −29000
Best frag:−33645 Pval=0.032,Phase=19,Amp=0.31
Log10 Signal
0.5
0.4
0.3
0.2
0
4
8
12
16
20
Time [ZT]
genotype
Liver_WT
Liver_Cry1intronKO

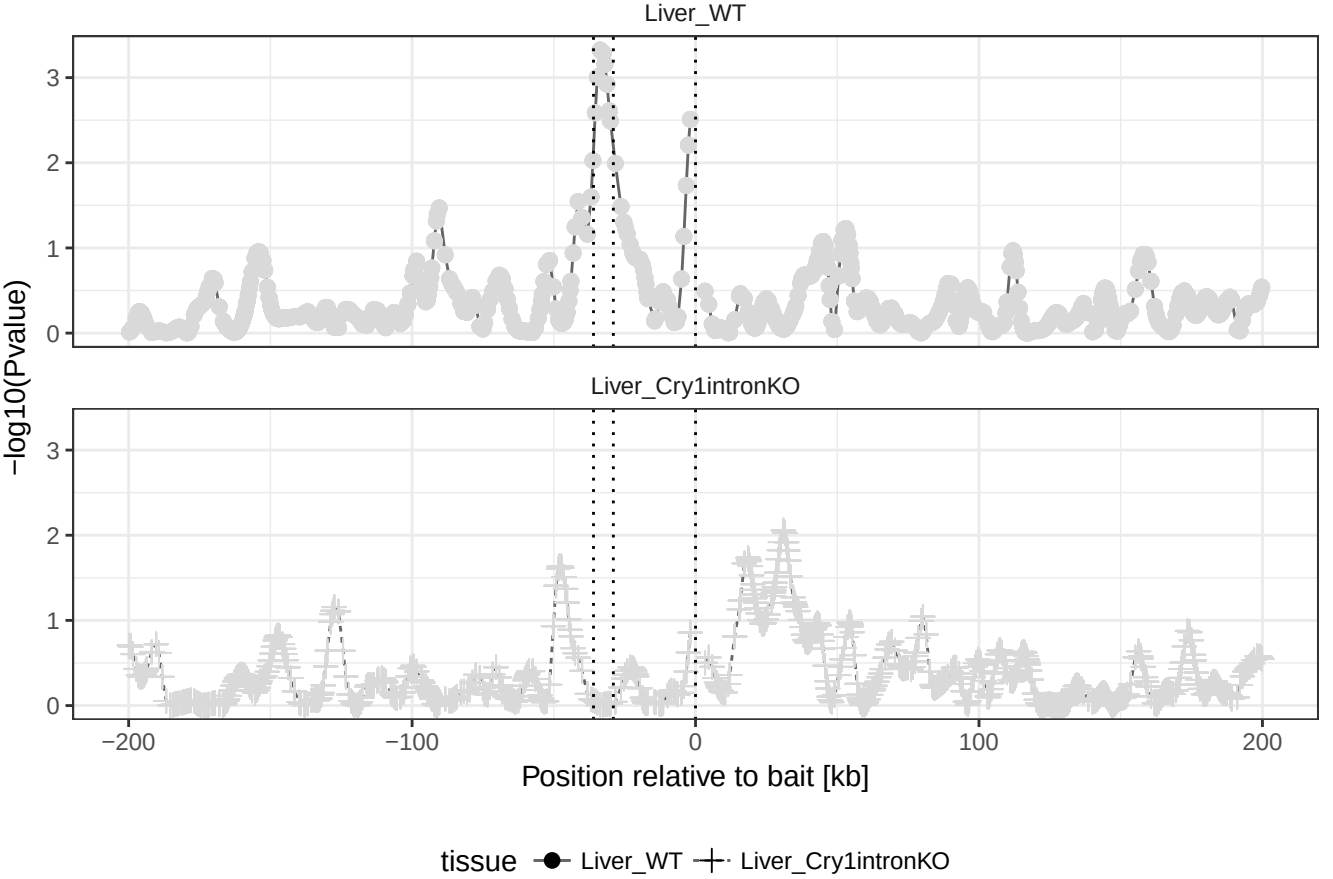

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

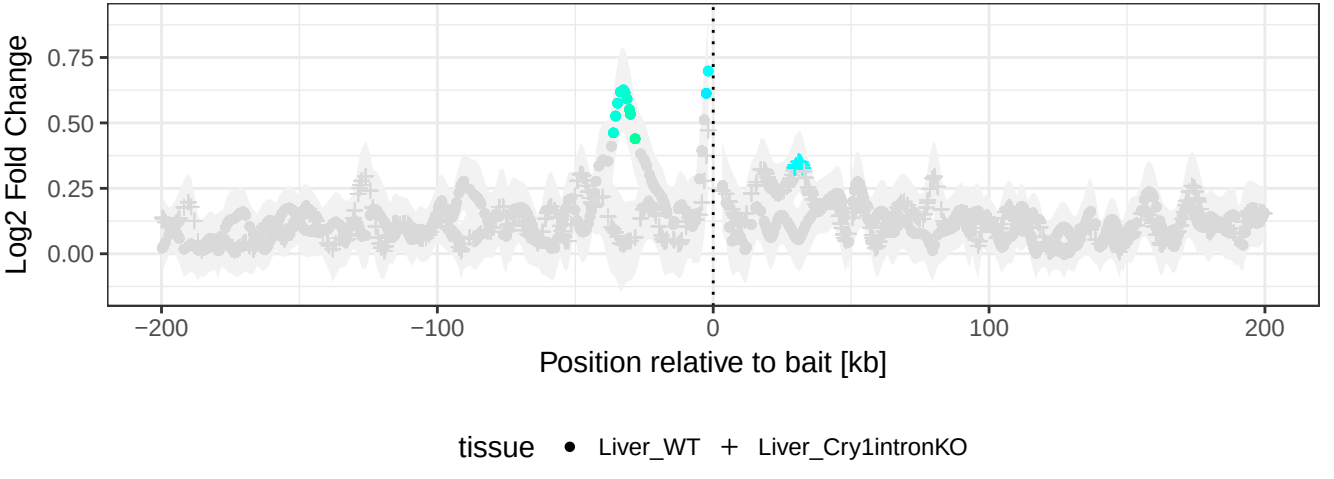

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
1.00
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

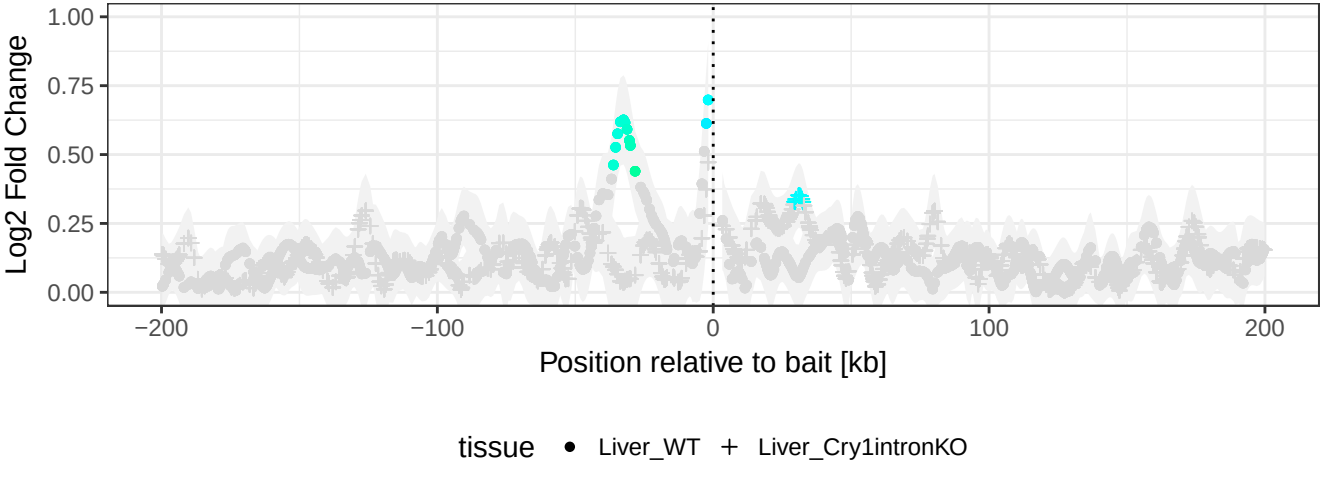

Liver_WT
Liver_Cry1intronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

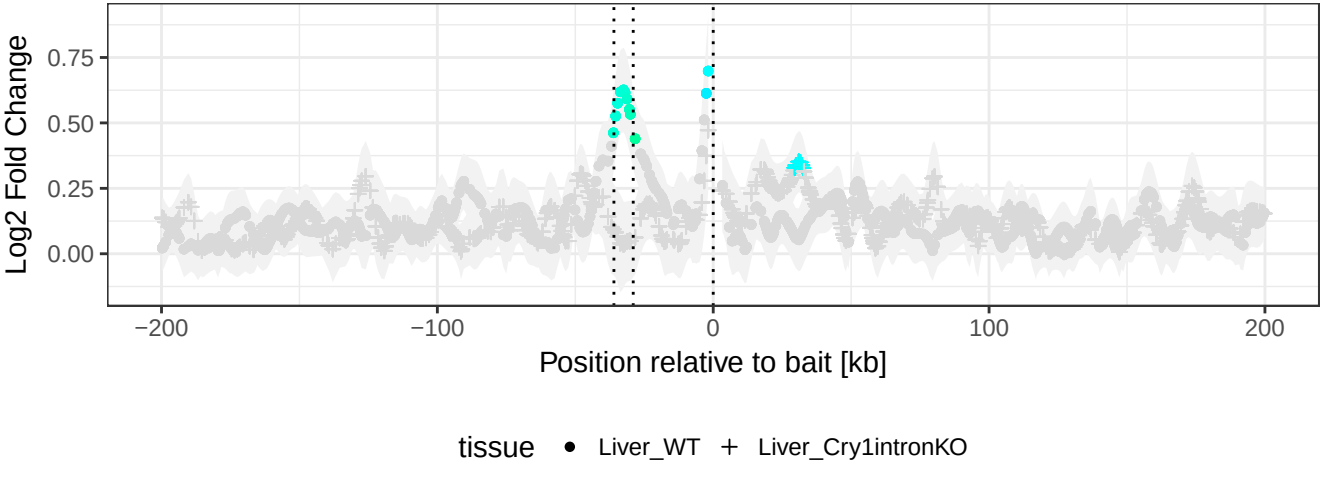

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
1
2
3
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

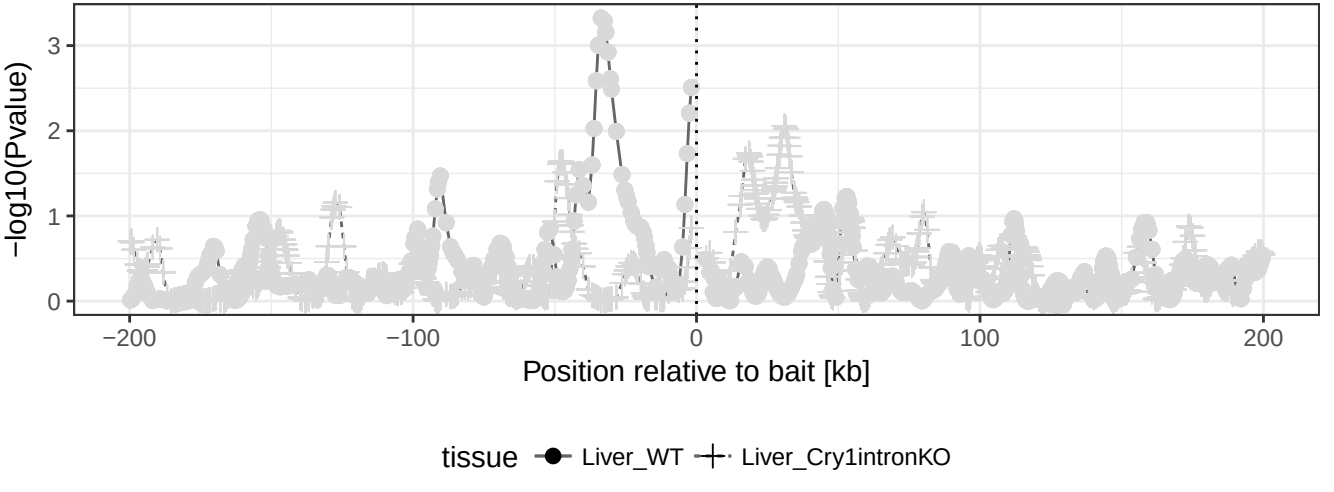

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
2
4
6
8
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

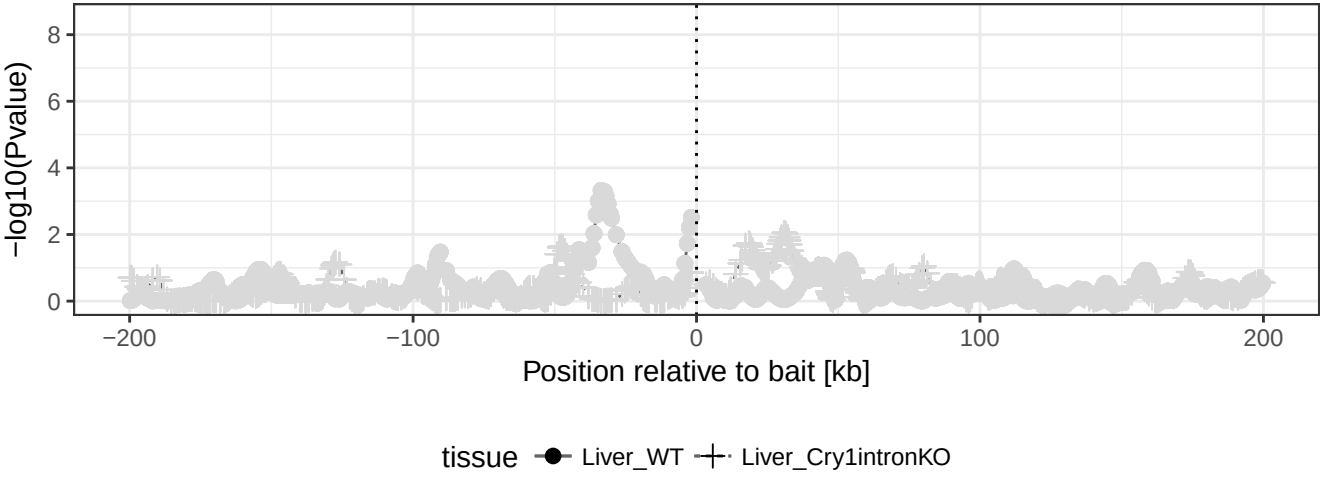

Liver_WT
Liver_Cry1intronKO
−log10(Pvalue)
0
1
2
3
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO

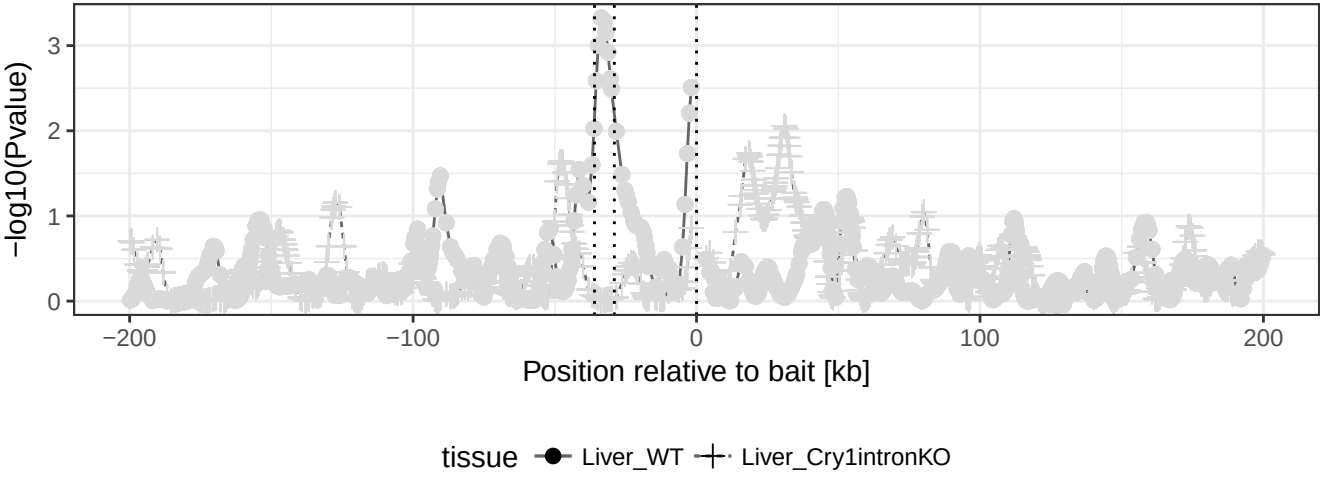

Log2 Fold Change
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO


Log2 Fold Change
1.00
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO


Log2 Fold Change
0.75
0.50
0.25
0.00
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO


−log10(Pvalue)
3
2
1
0
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO


−log10(Pvalue)
8
6
4
2
0
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO


−log10(Pvalue)
3
2
1
0
−200
−100
0
100
200
Position relative to bait [kb]
tissue
Liver_WT
Liver_Cry1intronKO