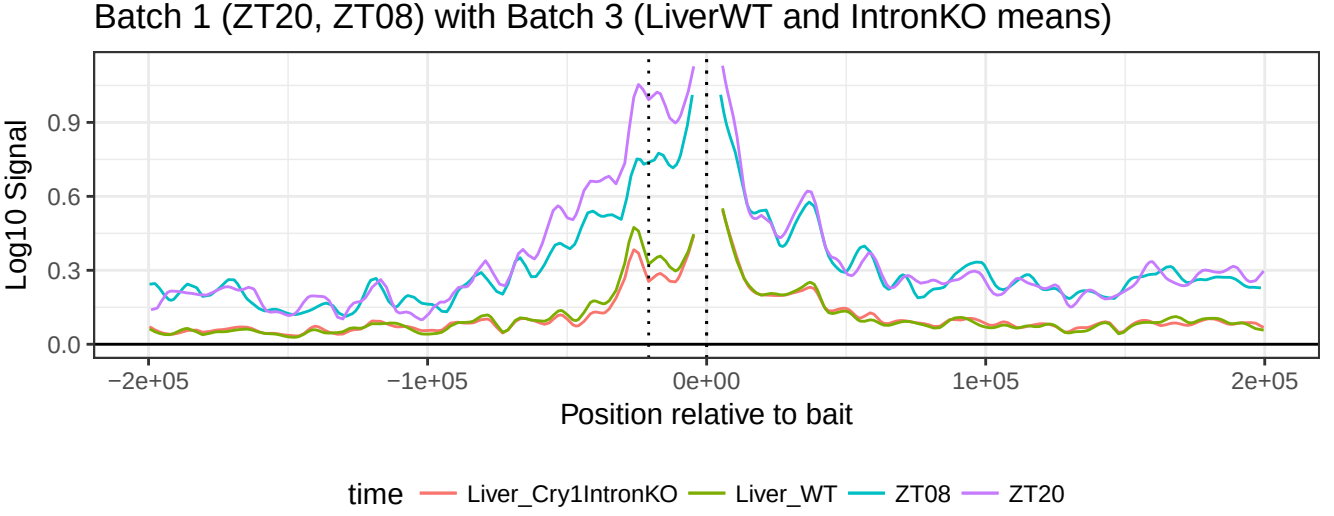
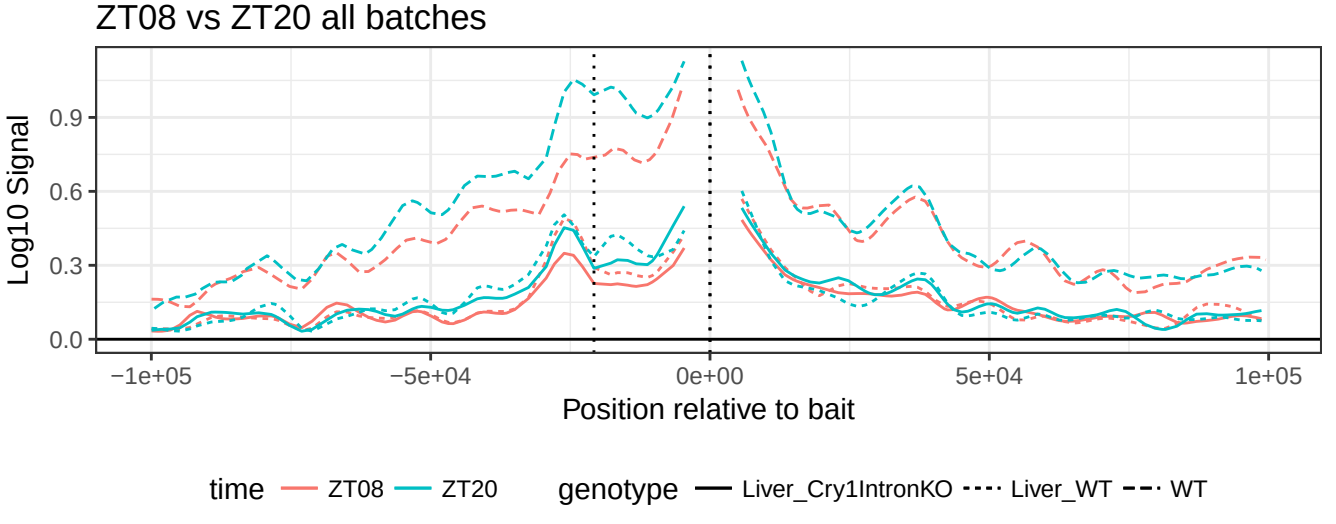
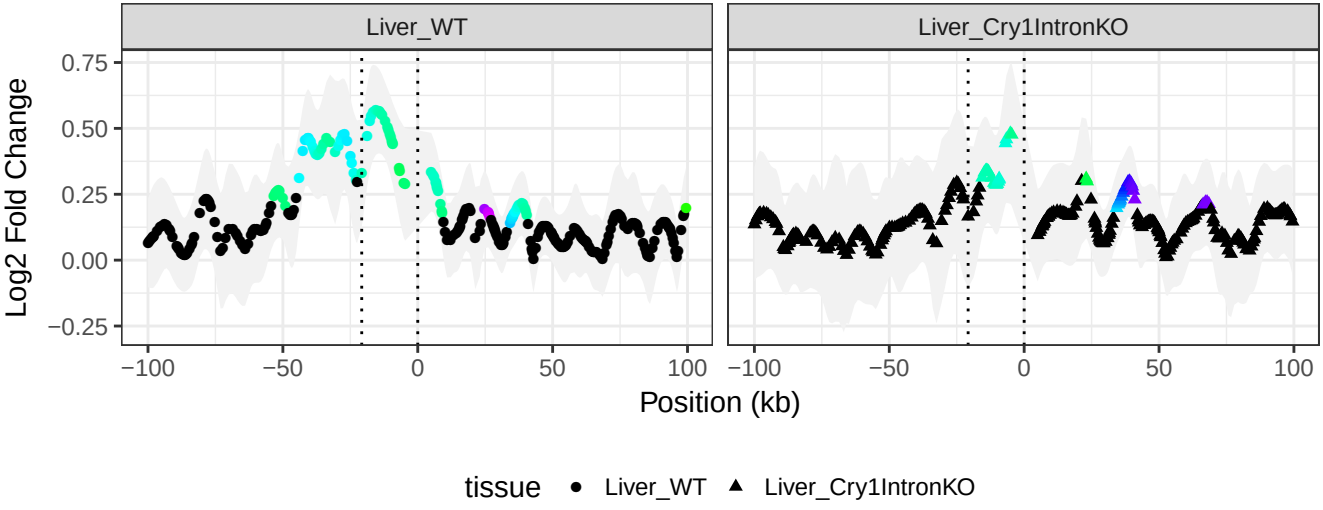
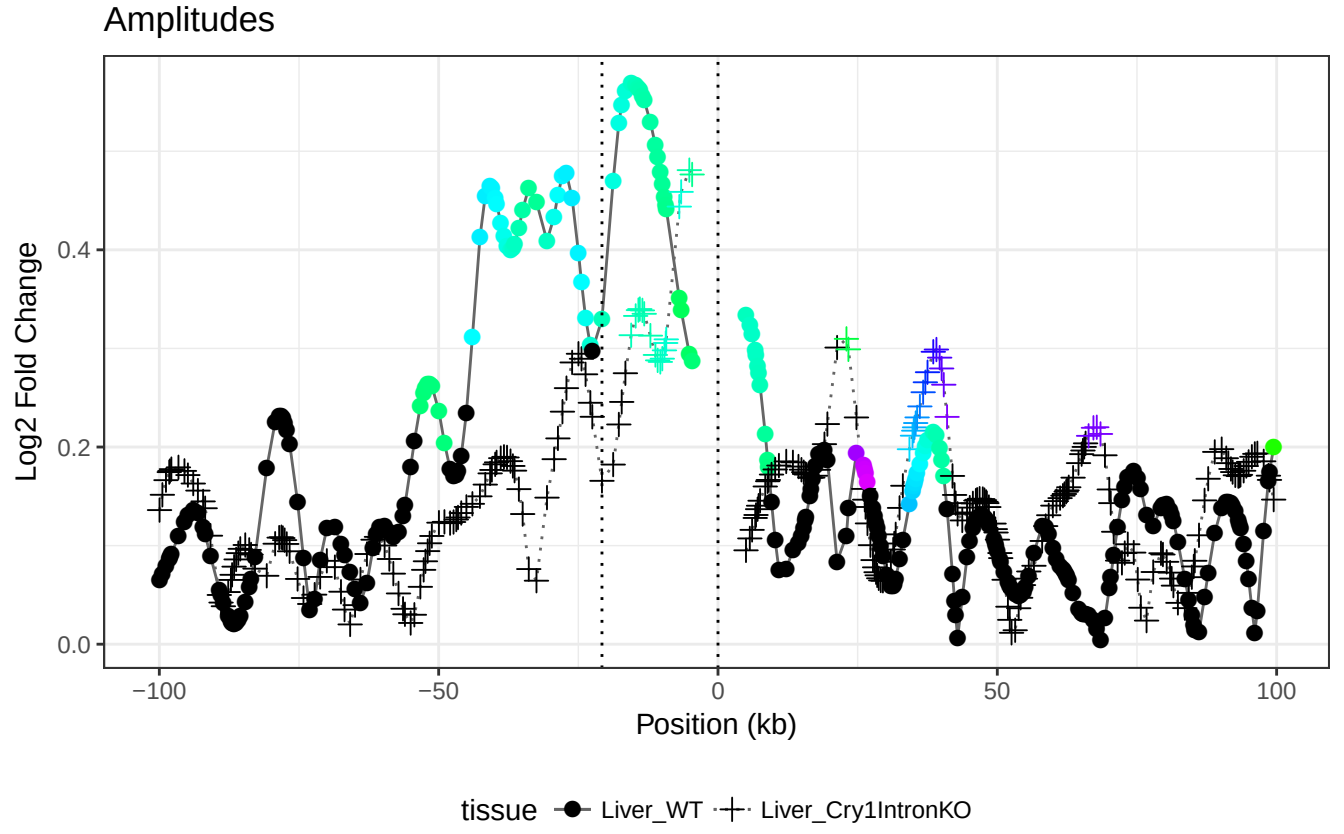
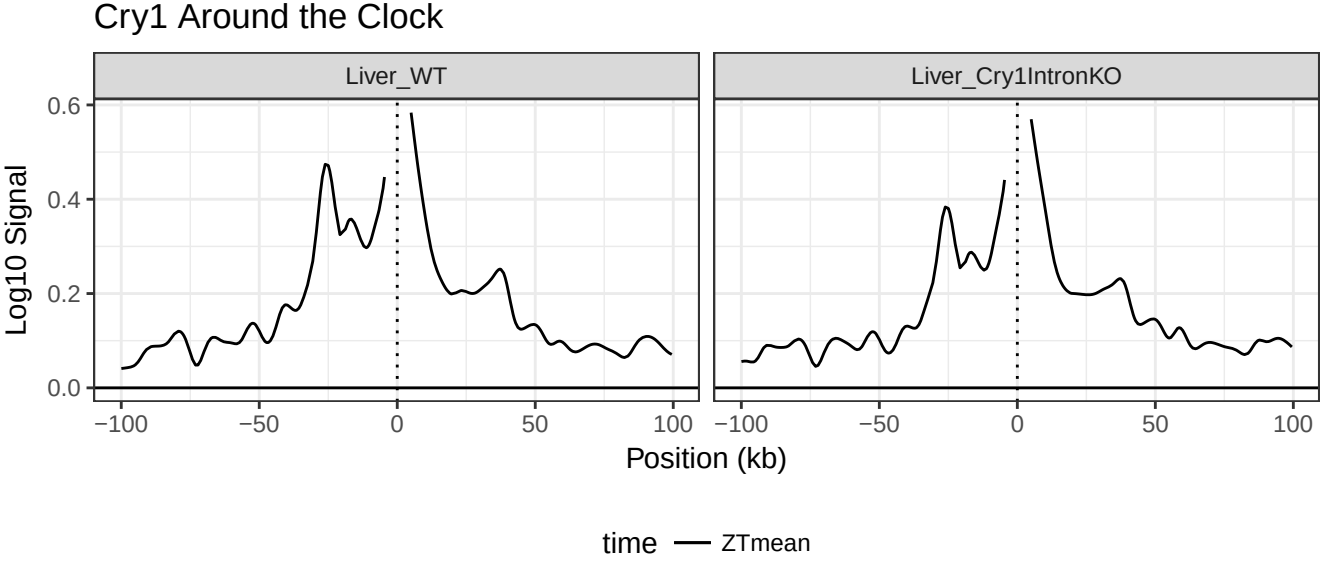
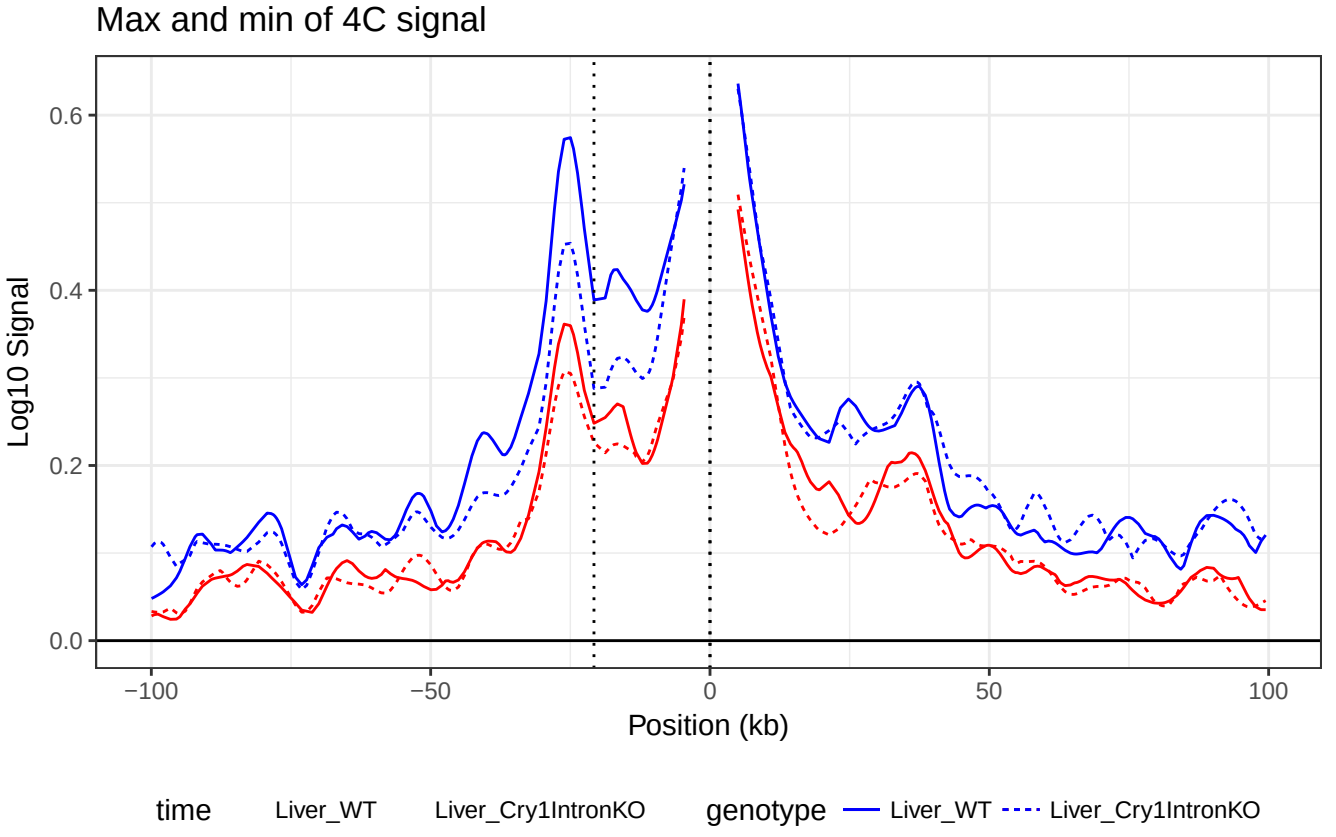

Batch 1 (ZT20, ZT08) with Batch 3 (LiverWT and IntronKO means)
Log10 Signal
0.9
0.6
0.3
0.0
−2e+05
−1e+05
0e+00
1e+05
2e+05
Position relative to bait
time
Liver_Cry1IntronKO
Liver_WT
ZT08
ZT20

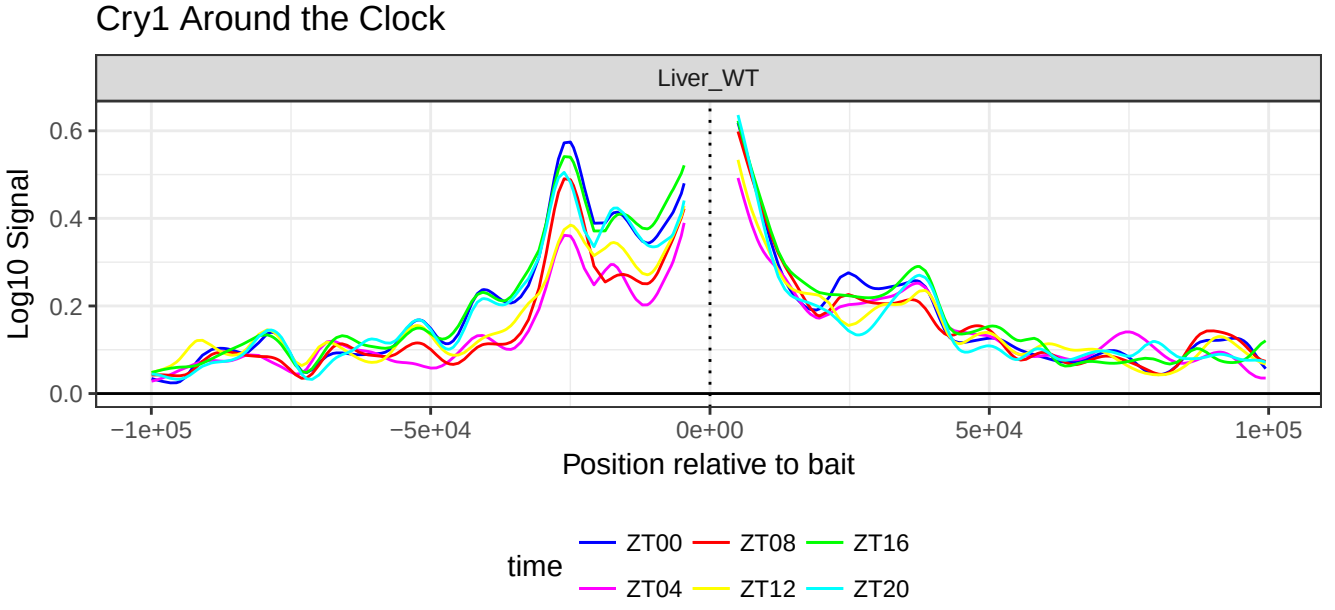

ZT08 vs ZT20 all batches
Log10 Signal
0.9
0.6
0.3
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT08
ZT20
genotype
Liver_Cry1IntronKO
Liver_WT
WT

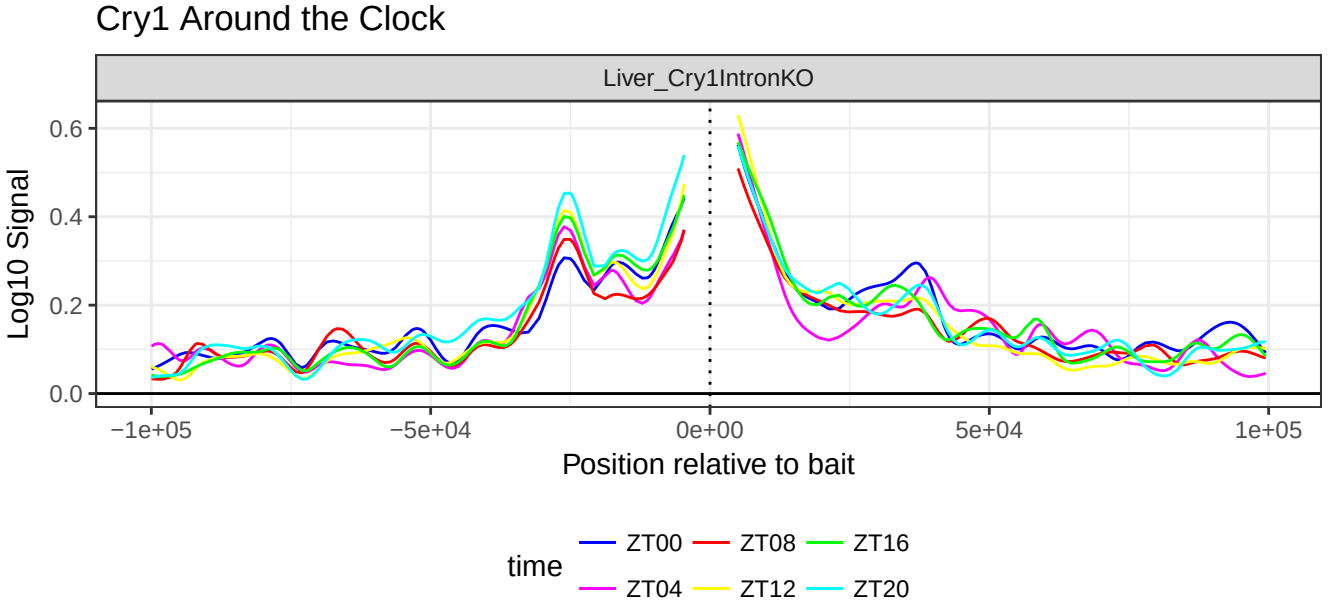

Liver_WT
Liver_Cry1IntronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−0.25
−100
−50
0
50
100
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

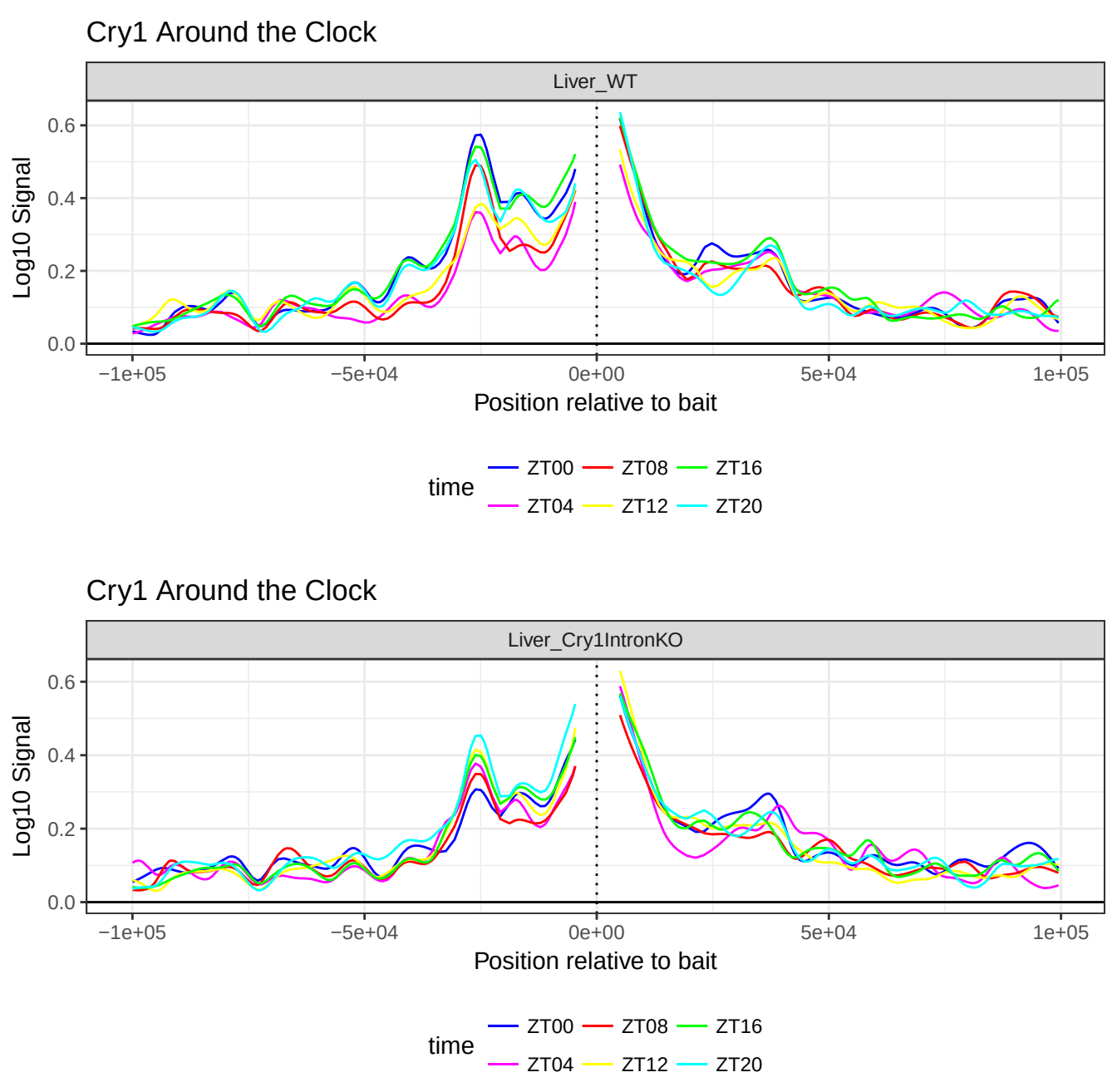

Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

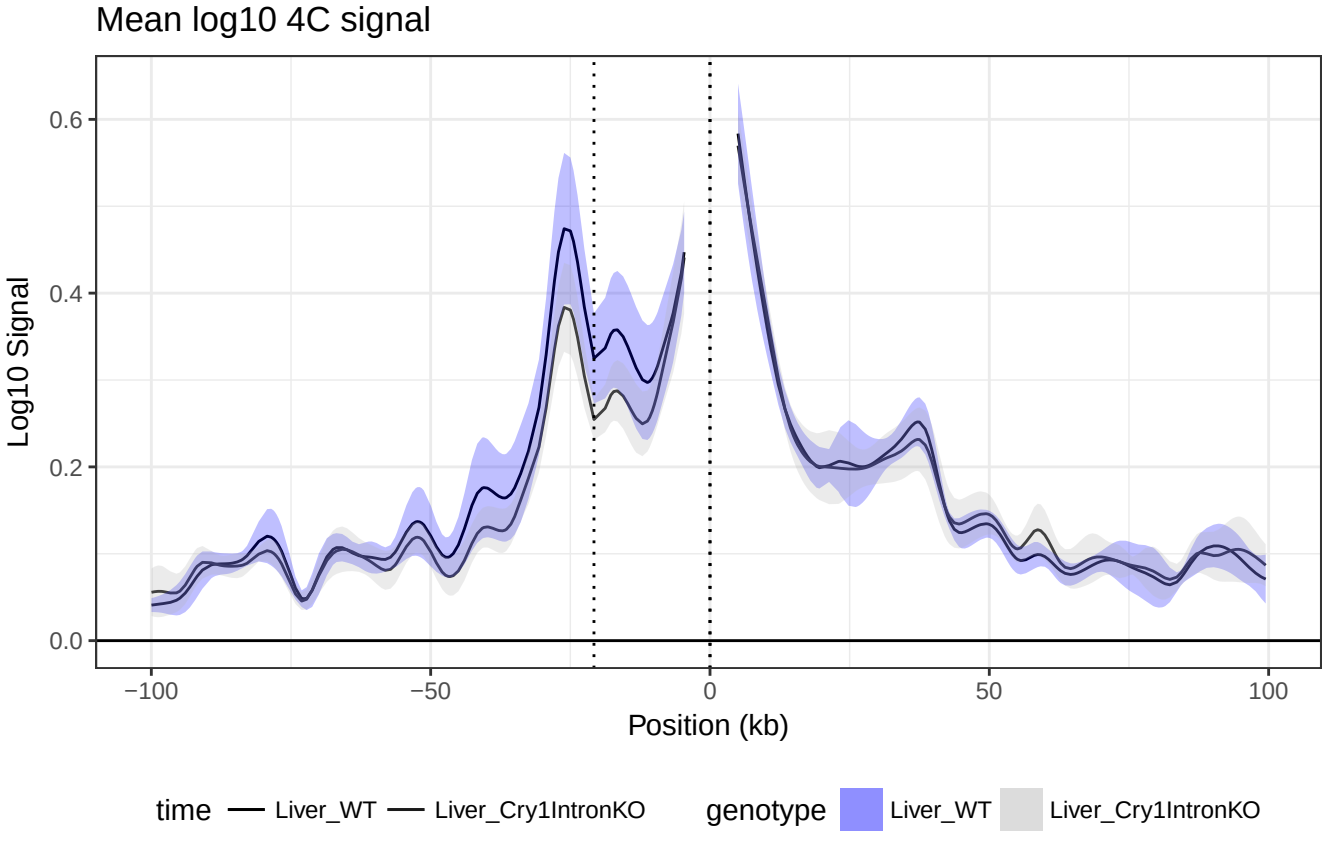

Cry1 Around the Clock
Liver_WT
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
time
ZTmean

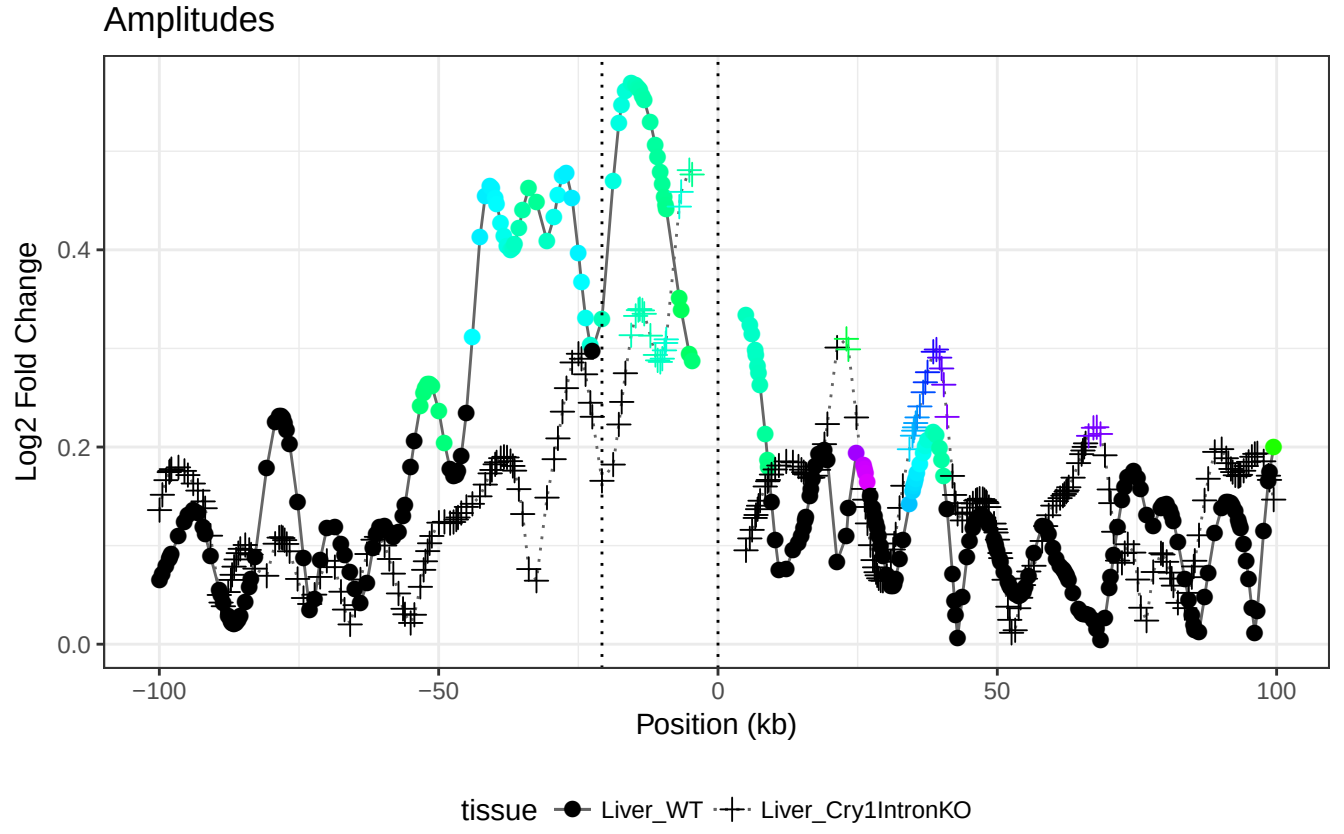

Max and min of 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO

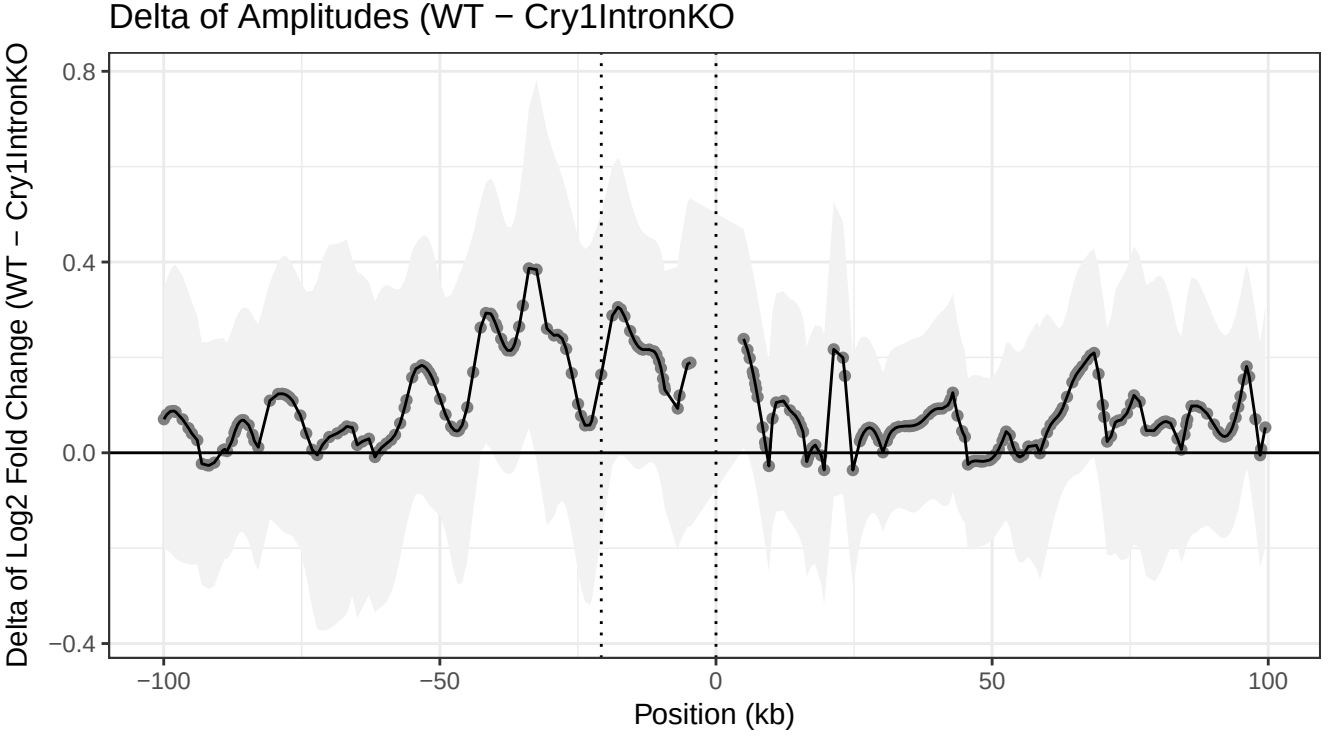

Cry1 Around the Clock
Liver_WT
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

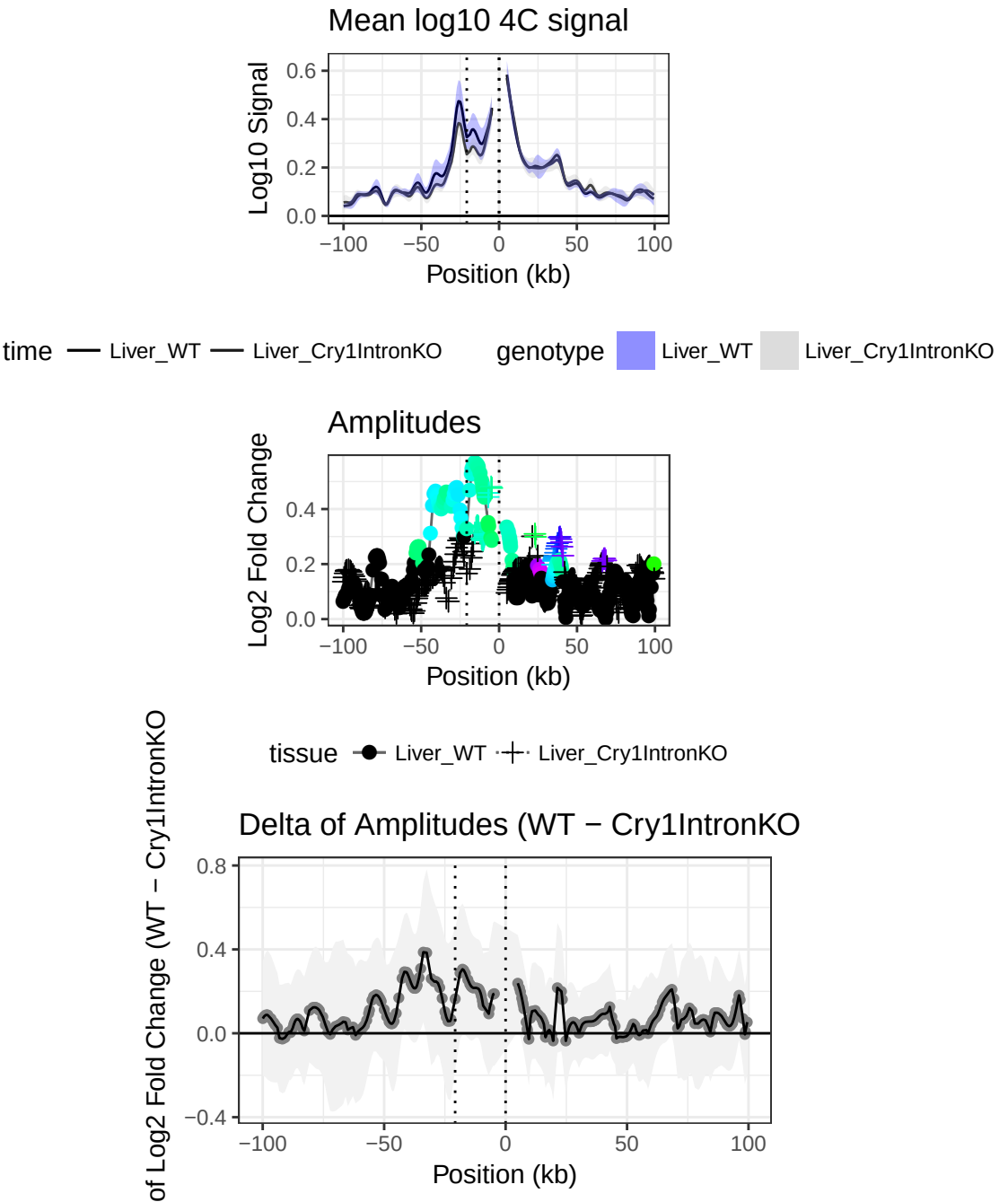

Cry1 Around the Clock
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

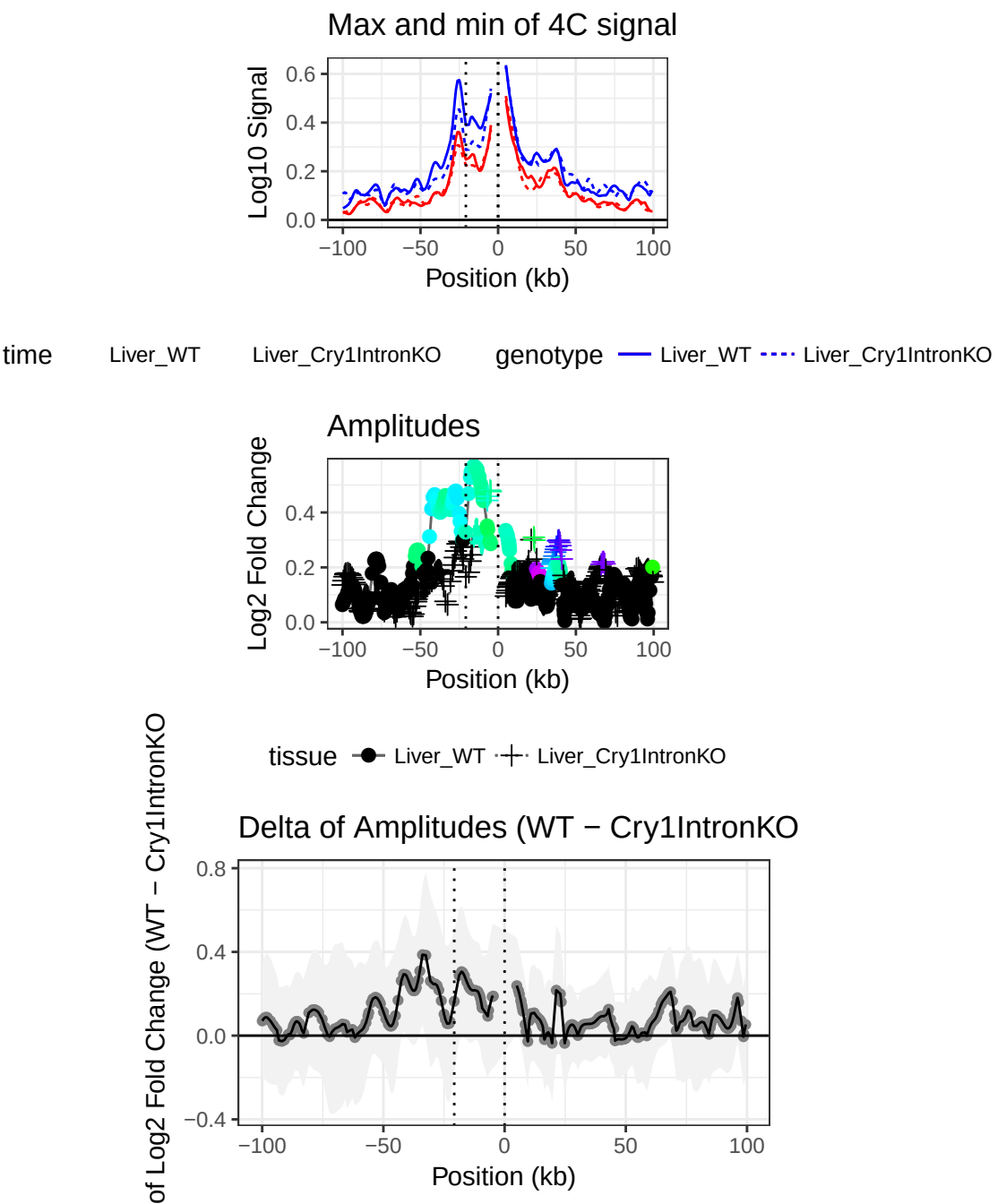

Cry1 Around the Clock
Liver_WT
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20
Cry1 Around the Clock
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

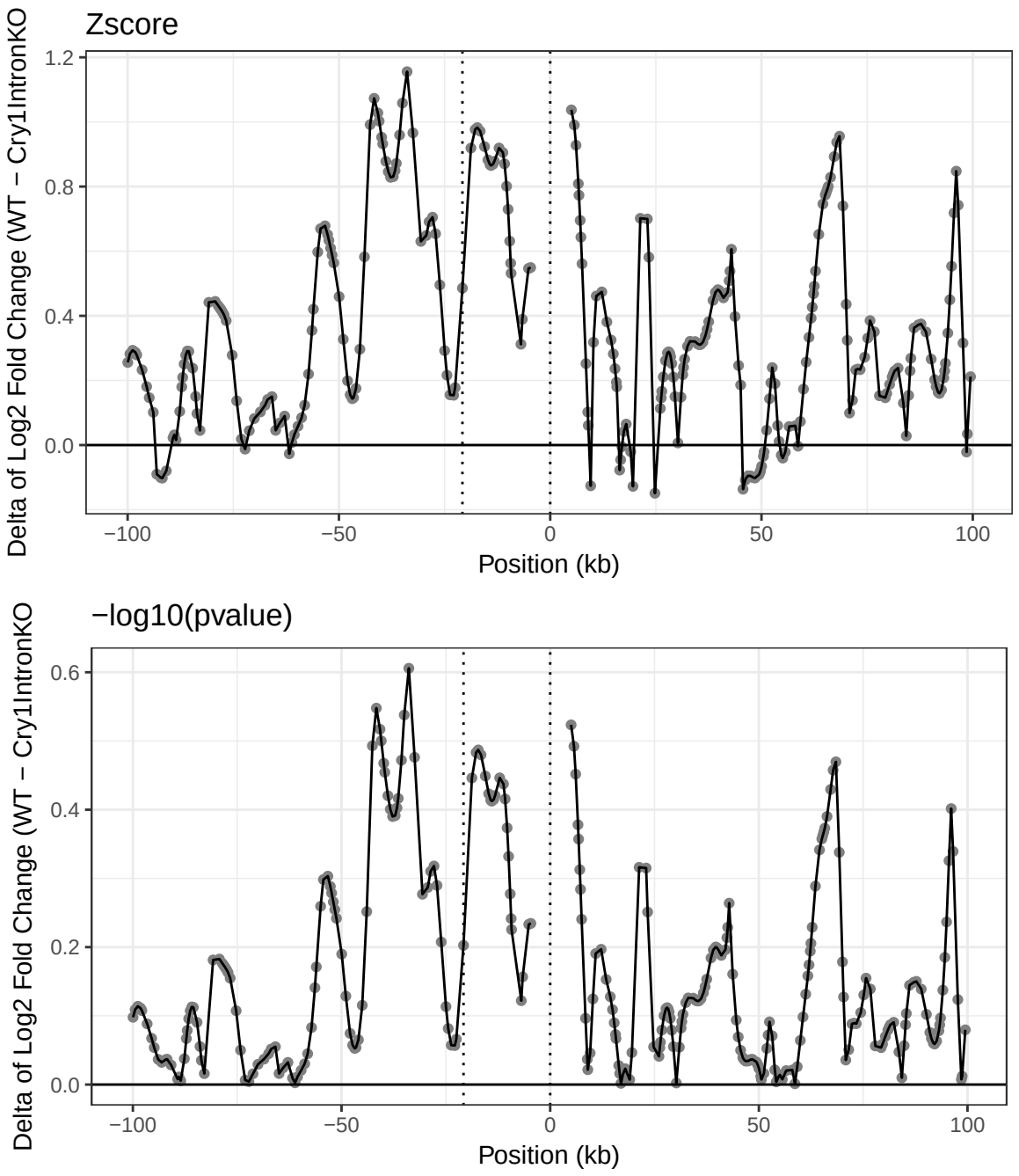

Mean log10 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO

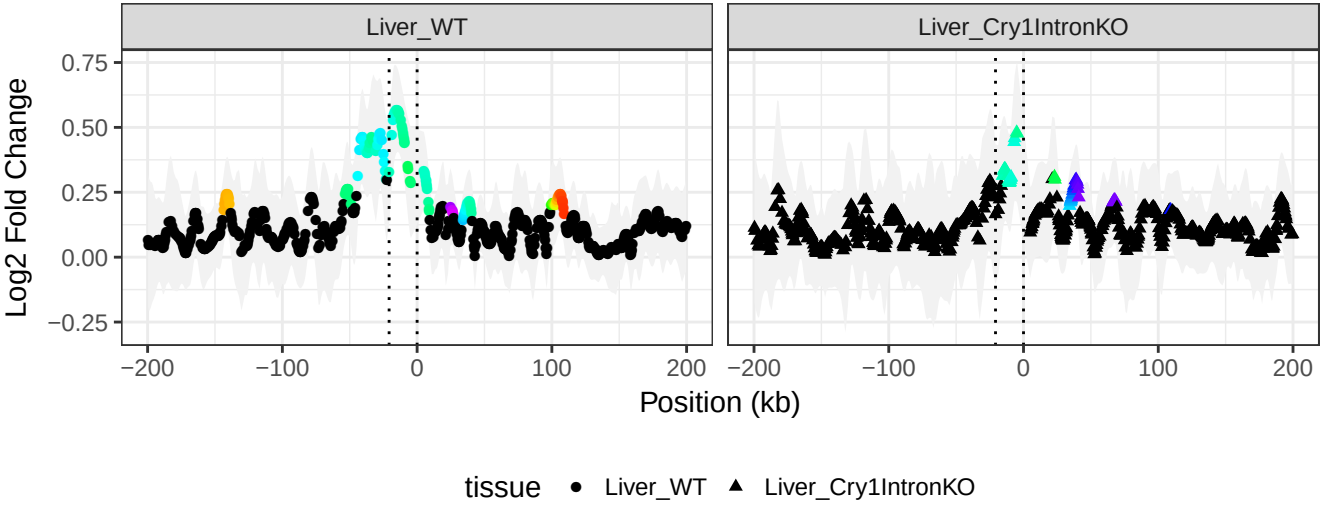

Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

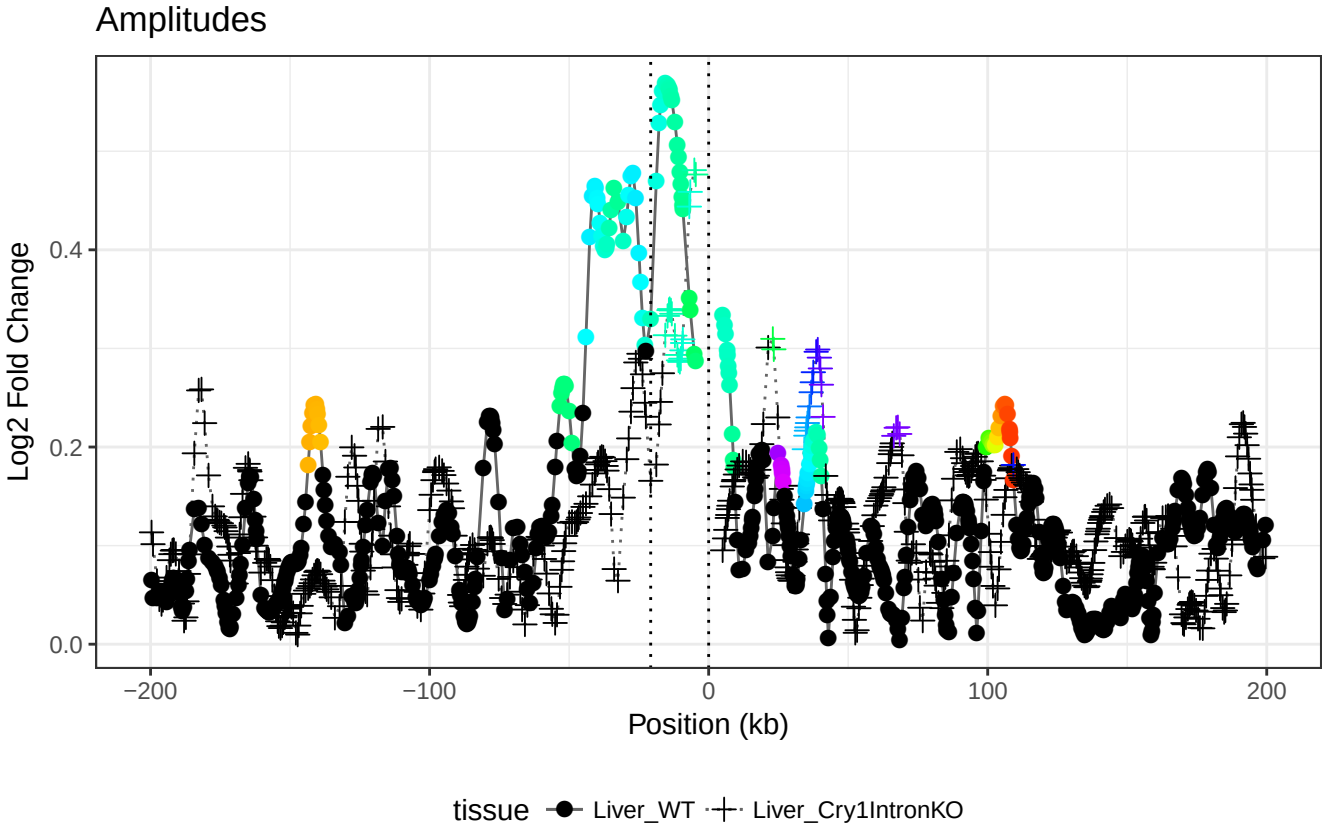

Delta of Amplitudes (WT − Cry1IntronKO
Delta of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−100
−50
0
50
100
Position (kb)

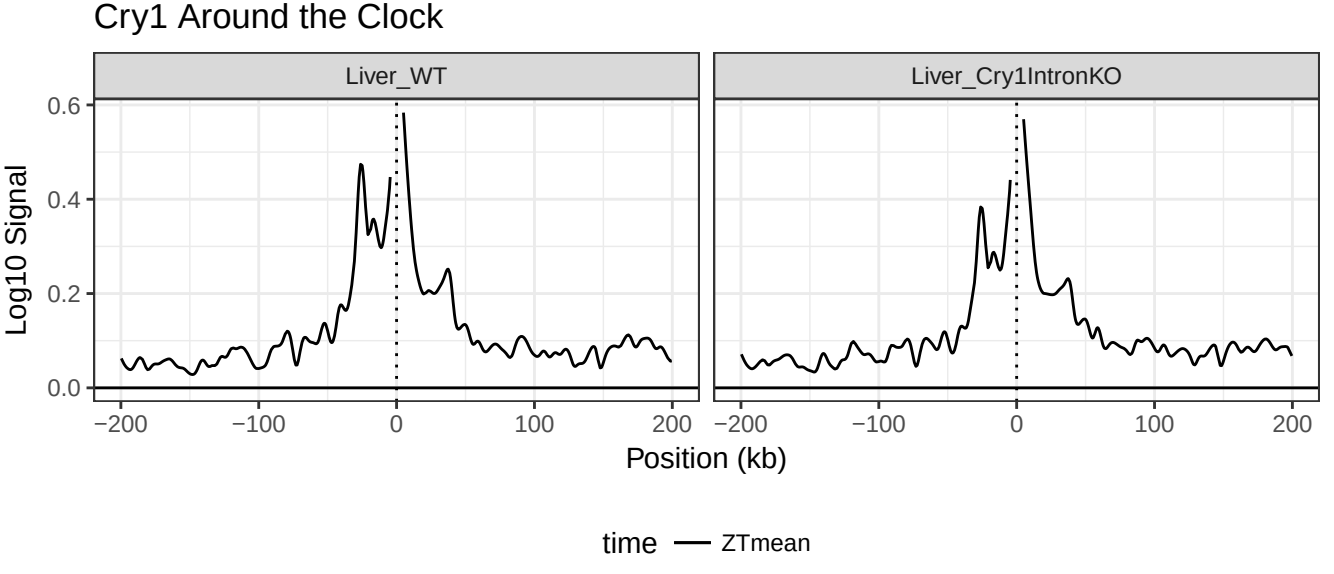

Mean log10 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO
Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO
Delta of Amplitudes (WT − Cry1IntronKO
of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−100
−50
0
50
100
Position (kb)

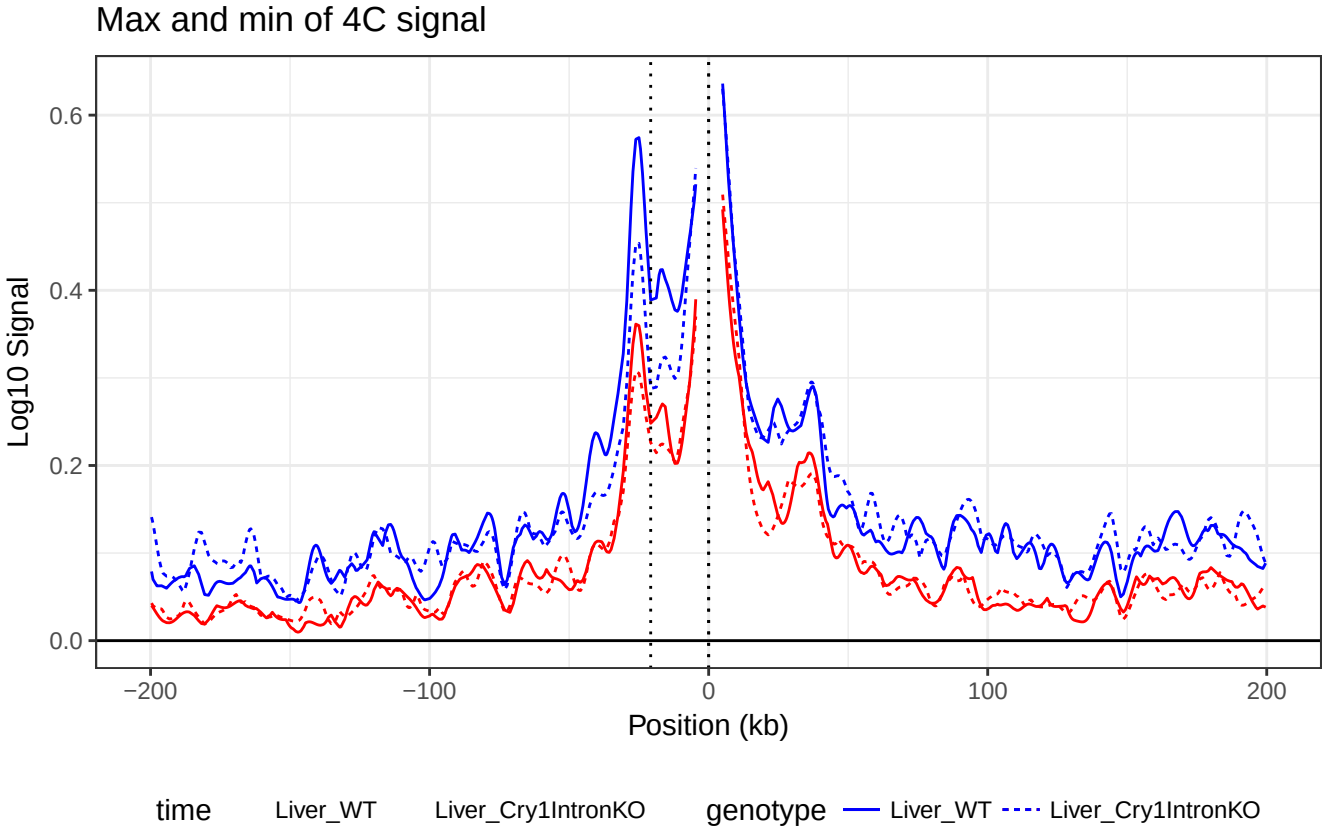

Max and min of 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO
Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO
Delta of Amplitudes (WT − Cry1IntronKO
of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−100
−50
0
50
100
Position (kb)

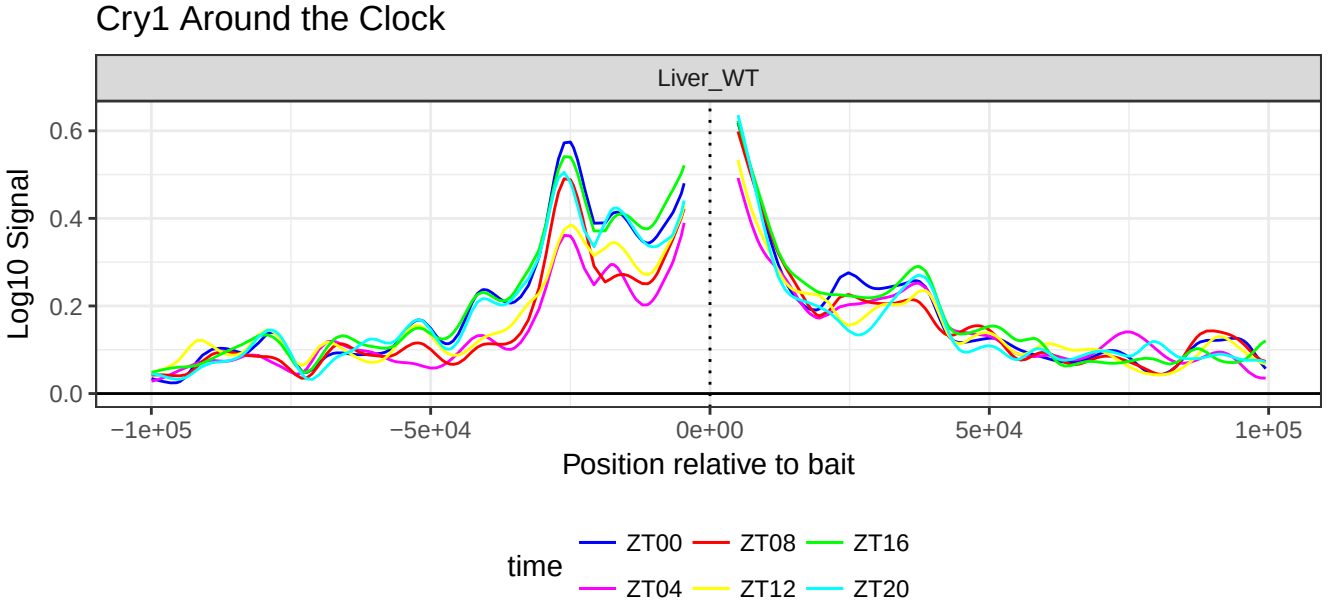

Zscore
Delta of Log2 Fold Change (WT − Cry1IntronKO
1.2
0.8
0.4
0.0
−100
−50
0
50
100
Position (kb)
−log10(pvalue)
Delta of Log2 Fold Change (WT − Cry1IntronKO
0.6
0.4
0.2
0.0
−100
−50
0
50
100
Position (kb)

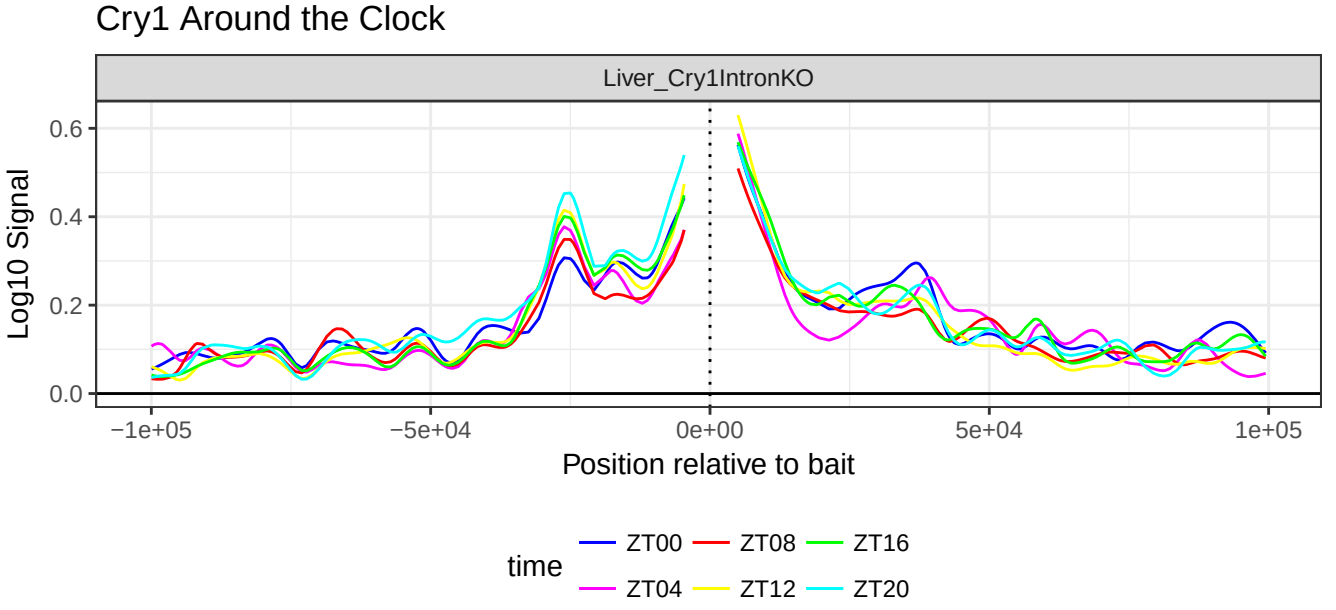

Liver_WT
Liver_Cry1IntronKO
Log2 Fold Change
0.75
0.50
0.25
0.00
−0.25
−200
−100
0
100
200
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

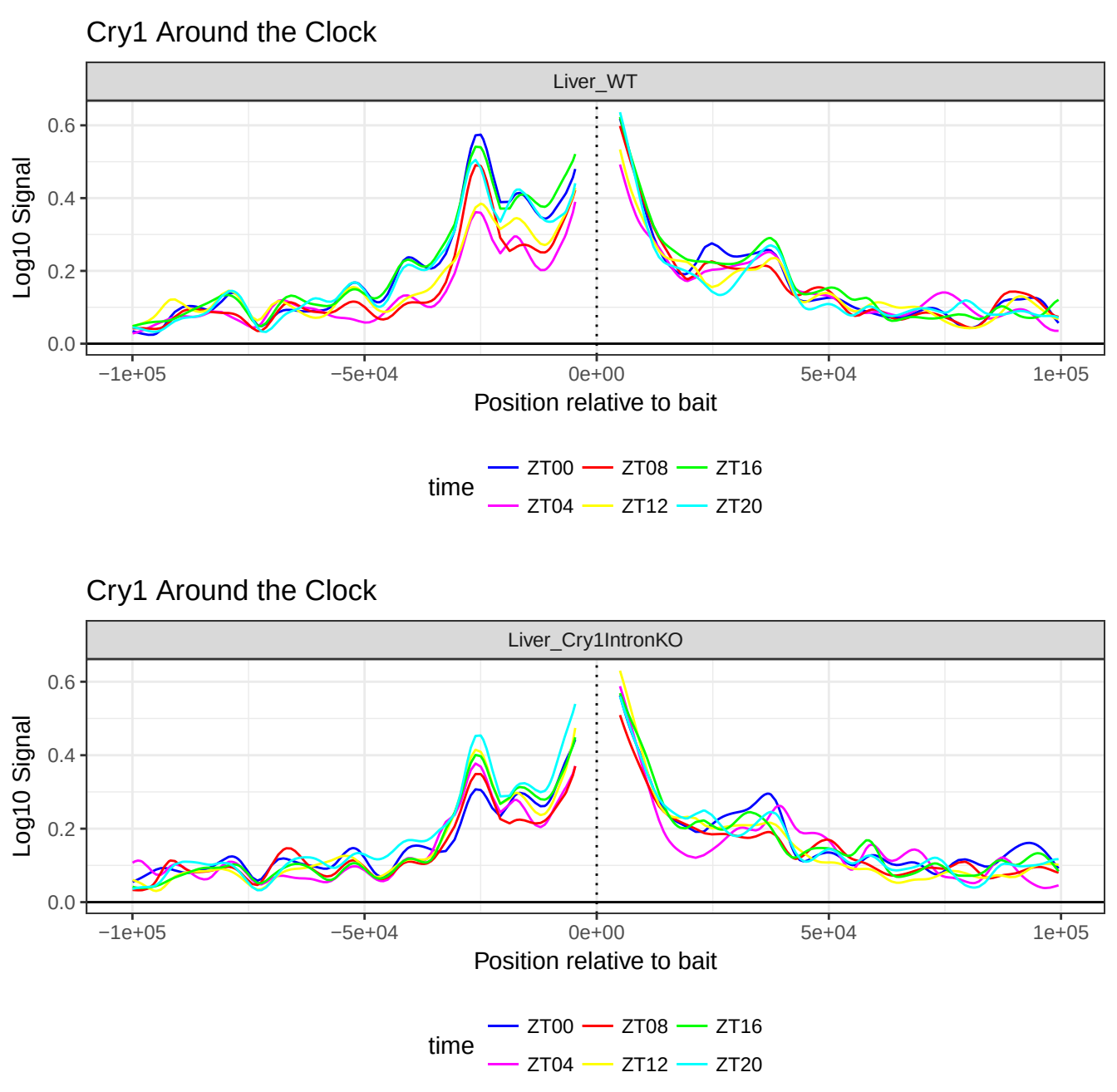

Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

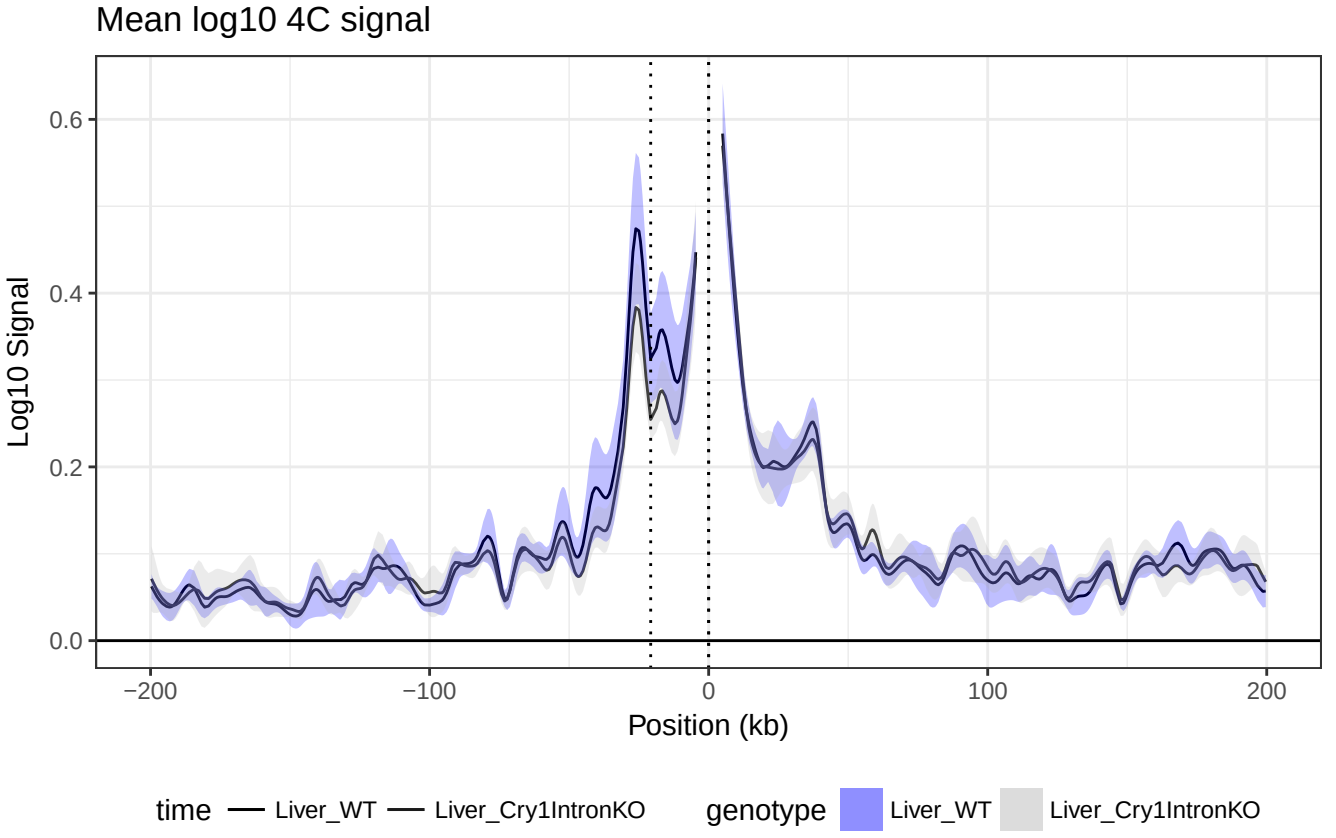

Cry1 Around the Clock
Liver_WT
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
time
ZTmean

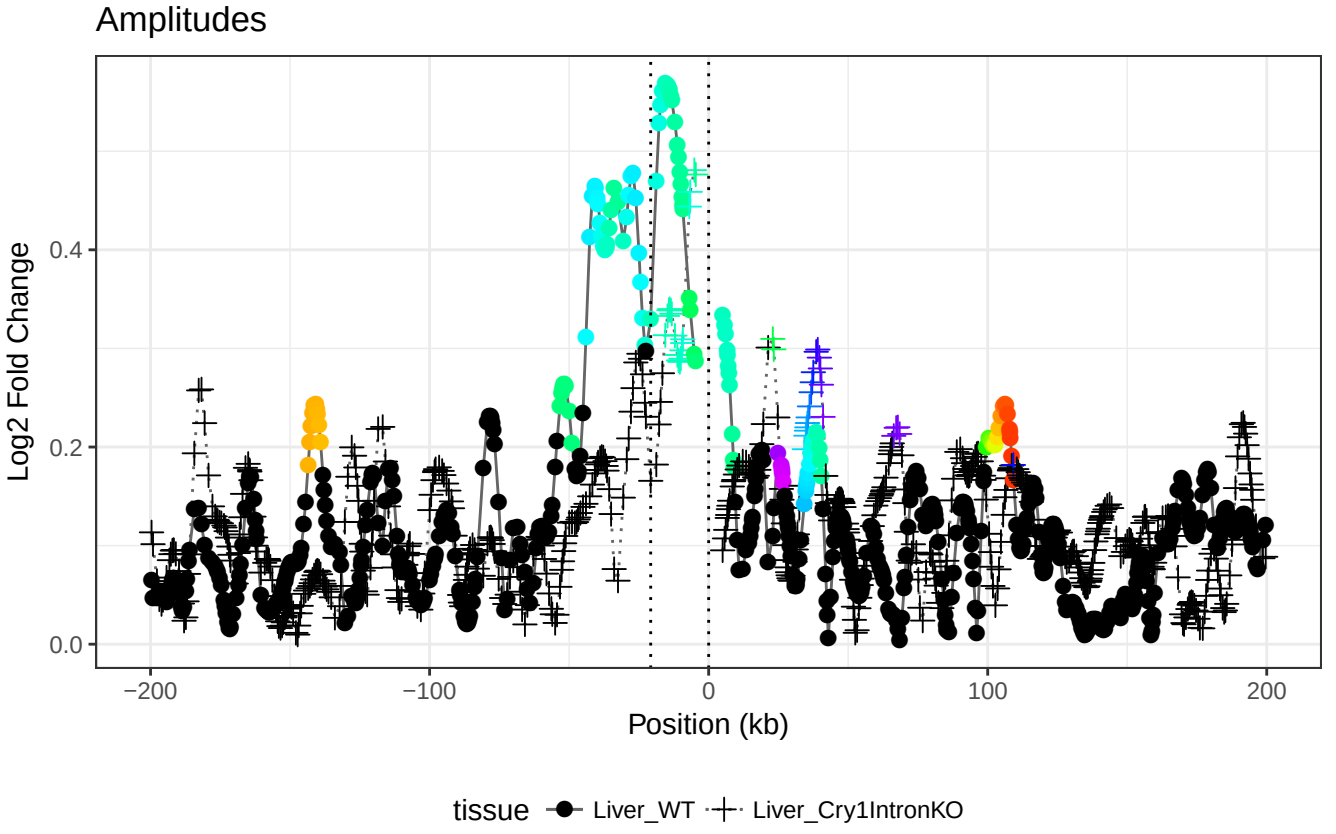

Max and min of 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO

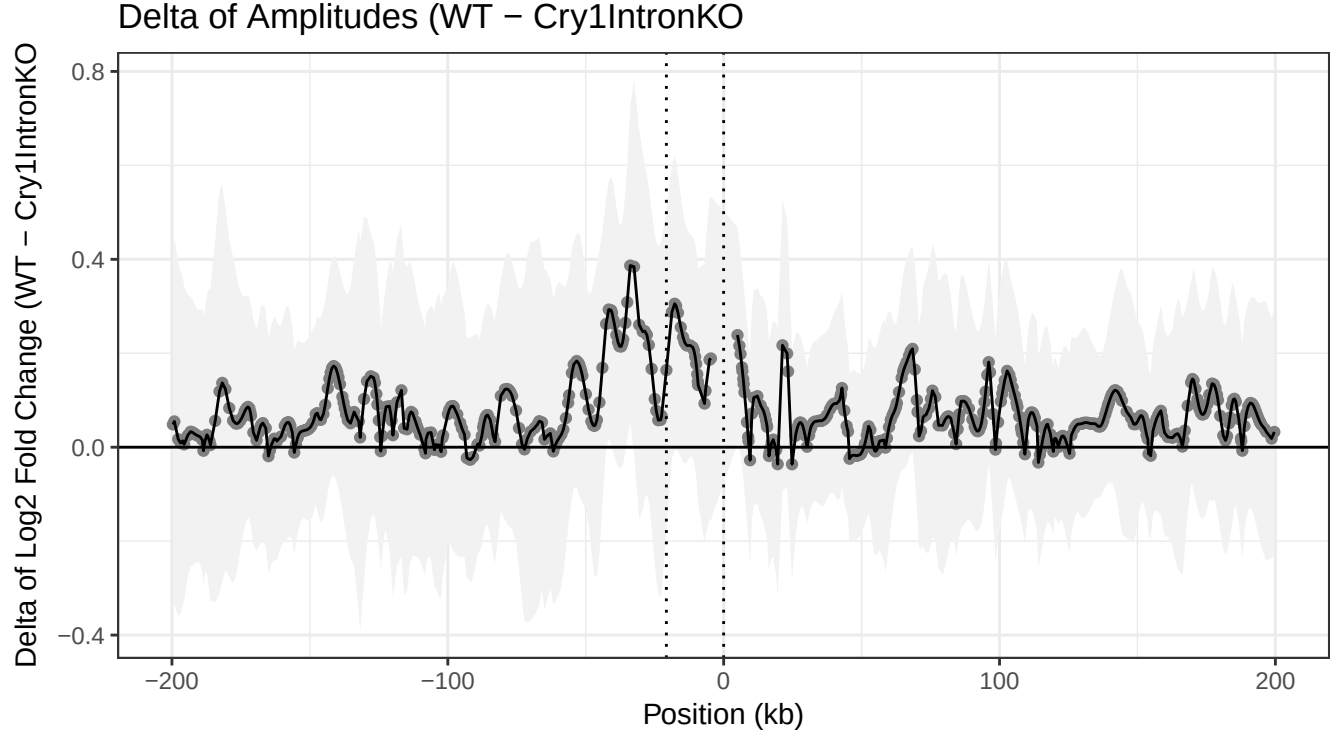

Cry1 Around the Clock
Liver_WT
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

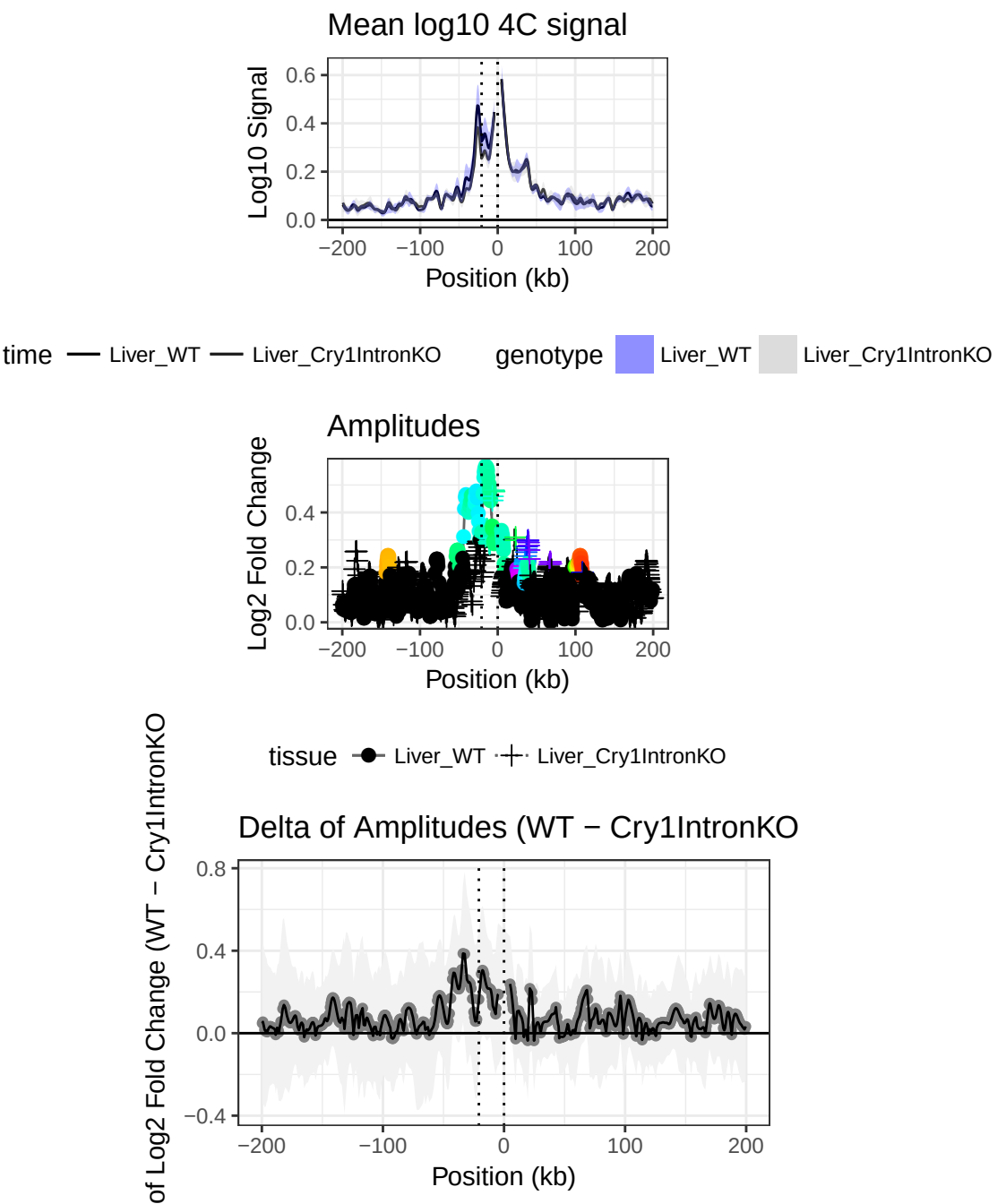

Cry1 Around the Clock
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

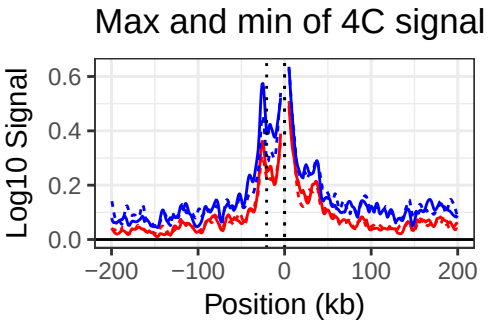

Cry1 Around the Clock
Liver_WT
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20
Cry1 Around the Clock
Liver_Cry1IntronKO
Log10 Signal
0.6
0.4
0.2
0.0
−1e+05
−5e+04
0e+00
5e+04
1e+05
Position relative to bait
time
ZT00
ZT08
ZT16
ZT04
ZT12
ZT20

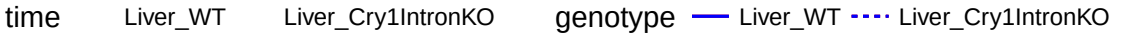

Mean log10 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO

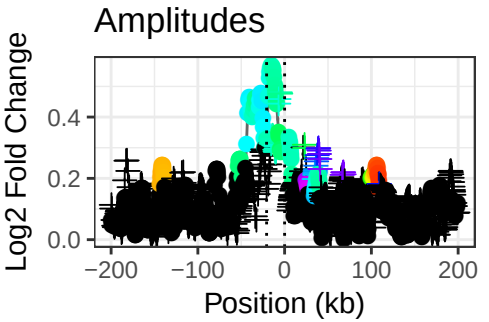

Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO

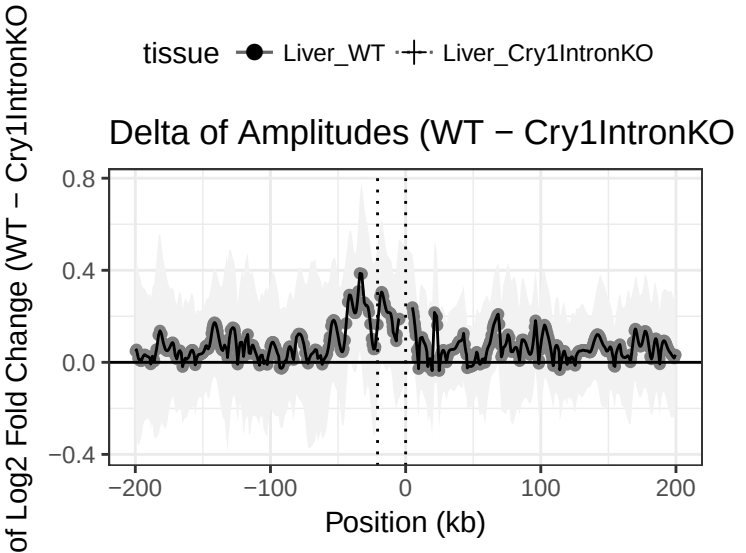

Delta of Amplitudes (WT − Cry1IntronKO
Delta of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−200
−100
0
100
200
Position (kb)

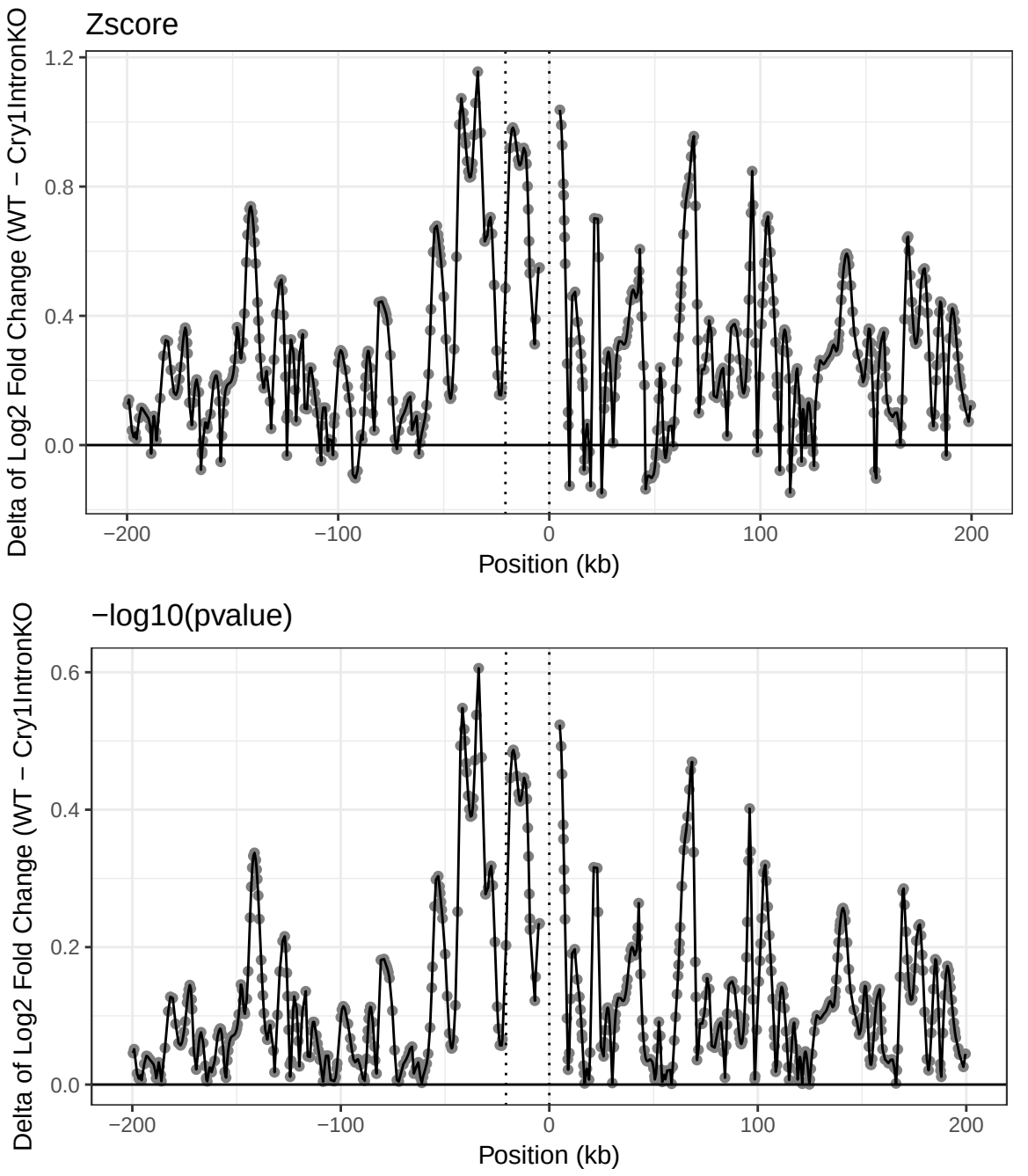

Mean log10 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO
Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)
tissue
Liver_WT
Liver_Cry1IntronKO
Delta of Amplitudes (WT − Cry1IntronKO
of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−200
−100
0
100
200
Position (kb)


Max and min of 4C signal
Log10 Signal
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)


time
Liver_WT
Liver_Cry1IntronKO
genotype
Liver_WT
Liver_Cry1IntronKO


Amplitudes
Log2 Fold Change
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)


tissue
Liver_WT
Liver_Cry1IntronKO
Delta of Amplitudes (WT − Cry1IntronKO
of Log2 Fold Change (WT − Cry1IntronKO
0.8
0.4
0.0
−0.4
−200
−100
0
100
200
Position (kb)


Zscore
Delta of Log2 Fold Change (WT − Cry1IntronKO
1.2
0.8
0.4
0.0
−200
−100
0
100
200
Position (kb)
−log10(pvalue)
Delta of Log2 Fold Change (WT − Cry1IntronKO
0.6
0.4
0.2
0.0
−200
−100
0
100
200
Position (kb)