

Annuus Ha412HOChr16 neg1 ANN\_45 ANN\_55 4000 IBD[genotype == 2] – IBD[genotype == 0] -2000 · inverted normal Genomic region KS1A KS2A IBD[genotype == different] - IBD[genotype == same] 1000 500 Inversion Genotype -1000 normal inverted Genomic region Population counts sign 0\_derived 2\_derived

0\_derived

Signal

2\_derived

ANN\_18

ANN\_60

MK1

Genomic region

5000

4000

3000

2000

1000

5000

4000 -

IBD distance

1000

5000

4000 -

3000

2000 -

1000 -

