

Annuus Ha412HOChr15 pos1 ANN\_18 ANN\_23 ANN\_06 2000 -IBD[genotype == 2] – IBD[genotype == 0] 5000 4000 3000 2000 inverted normal Genomic region IBD[genotype == different] - IBD[genotype == same] 1000 3000 2000 IBD distance Inversion Genotype ANN\_35 ANN\_31 1000 -5000 4000 inverted normal Genomic region 3000 2000 sign 0\_derived 2\_derived 1000 -2\_derived 0\_derived Genomic region Signal

