Annuus Ha412HOChr01 neg1 ANN_24 4000 3000 2000 1000 ANN_41 4000 3000 IBD distance Inversion genotype Different Same 1000 ANN_59 4000 3000 2000 100 150 MB

Annuus Ha412HOChr01 neg1 ANN_41 ANN_59 ANN_24 2500 5000 IBD[genotype == 2] – IBD[genotype == 0] 4000 • inverted normal Genomic region IBD[genotype == different] - IBD[genotype == same] 3000 2000 IBD distance Inversion Genotype 1000 2000 --1000 inverted normal Genomic region 1000 -Population counts sign 0_derived 2_derived 0 -2_derived 0_derived

Signal

Genomic region

