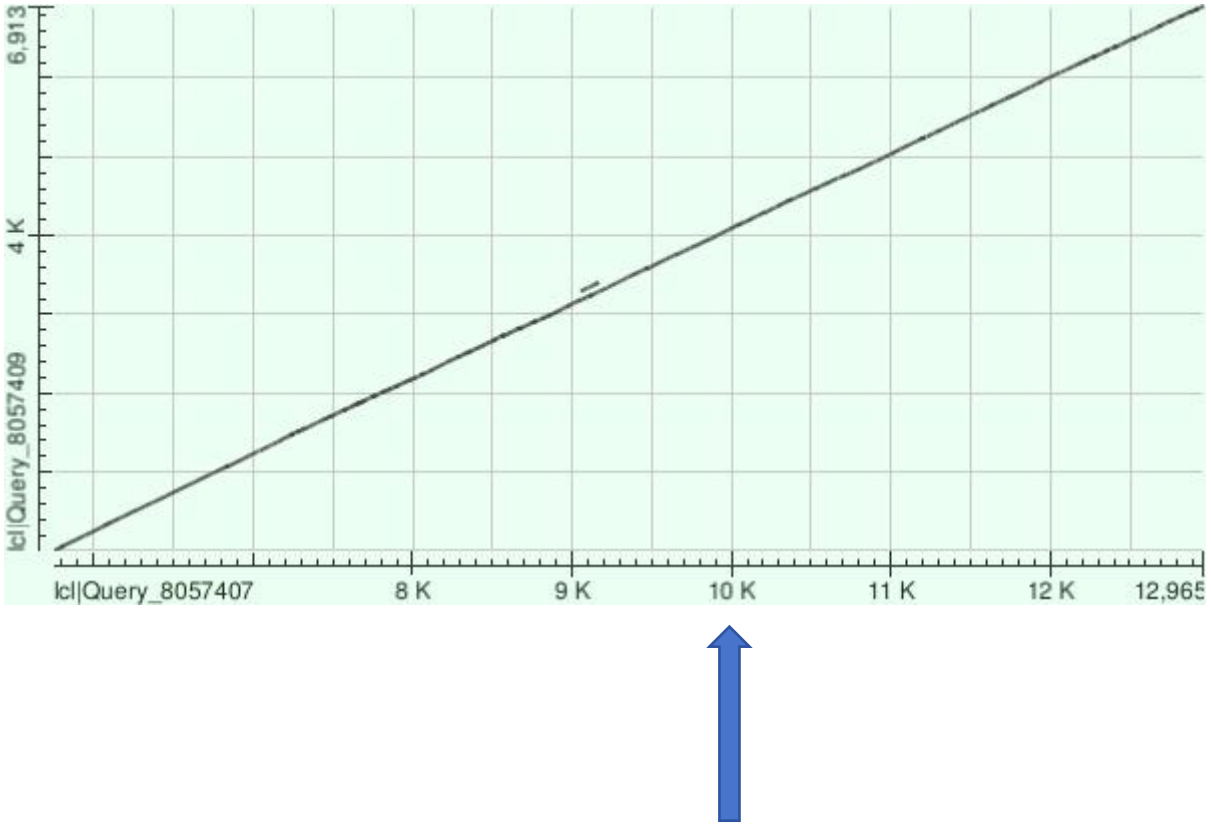
We extracted the flanking sequences on both sides of the SV breakpoint and reconstructed the reference genome sequence. The length of the flanking sequence is 10kb, so the length of the reconstructed sequence is 20kb. We used BLASTN to pairwise alignment the supporting LRS read for this SV with the reconstructed sequence. Dotplot shows that this LRS read supports this SV.

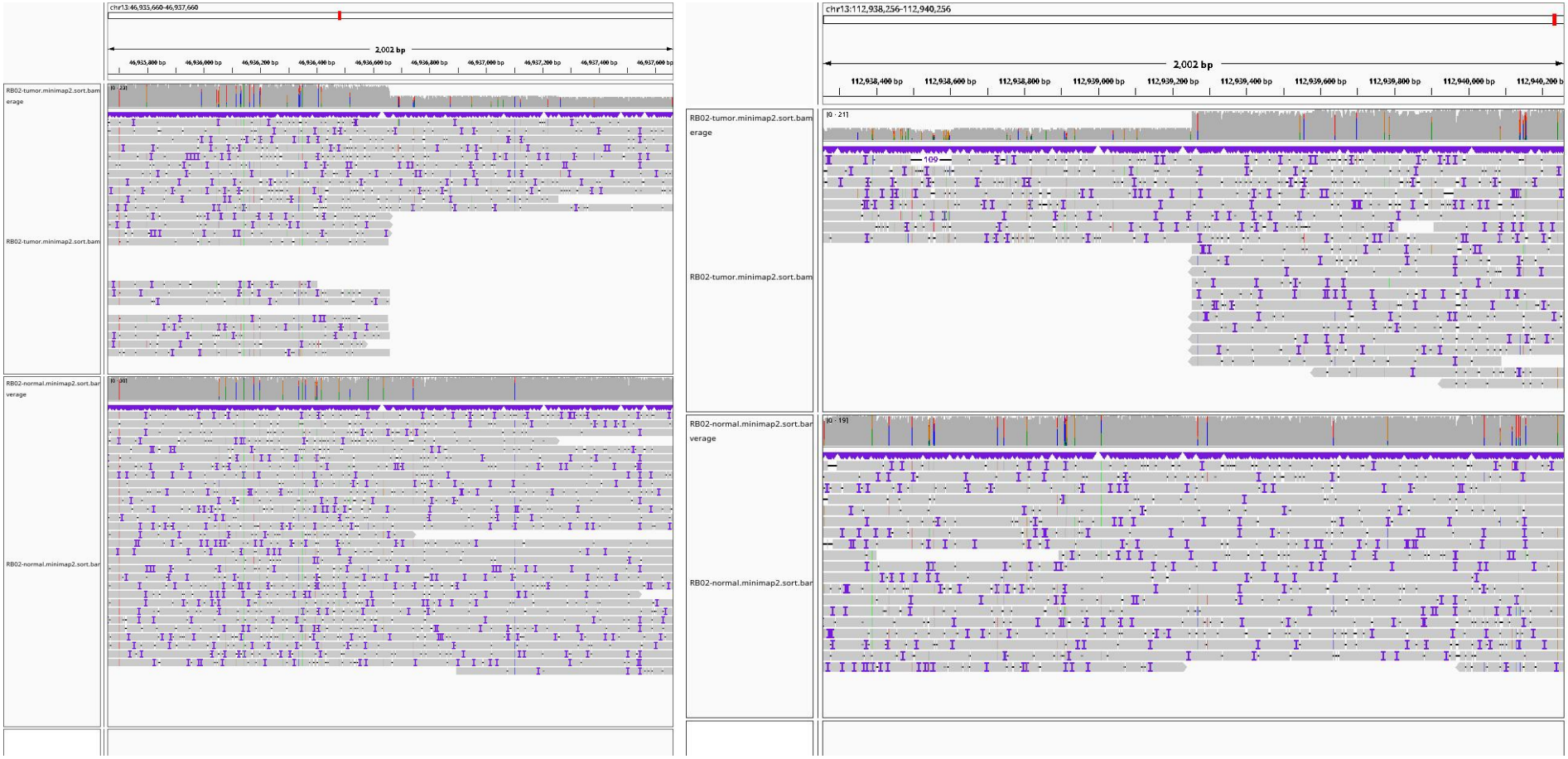
The name is: Sample _ Chromosome _ Start _ Chromosome _ End _ SV length _ SV type.

RB02_chr13_46936660_chr13_112939256_-66002596_DEL
Read Dotplot evidence

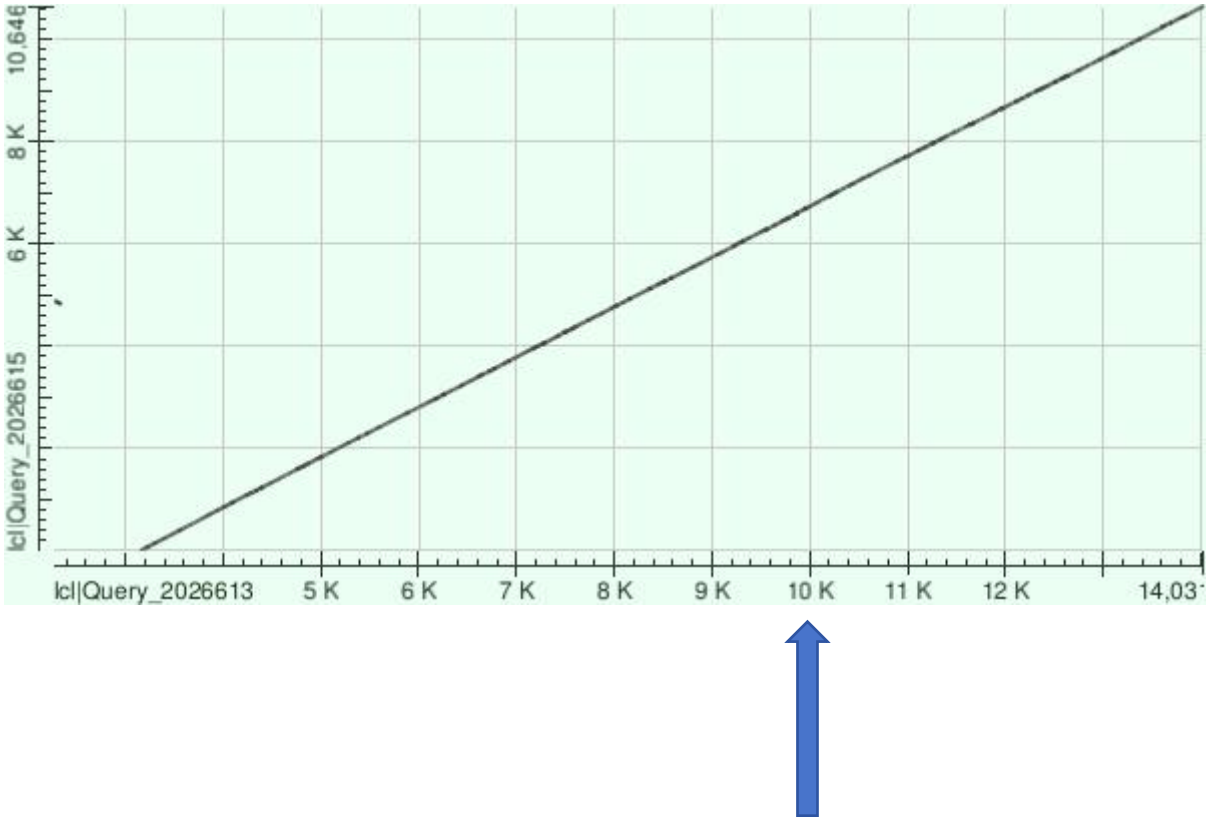


RB02_chr13_46936660_chr13_112939256_-66002596_DEL

SV Breakpoints IGV evidence (start, end)

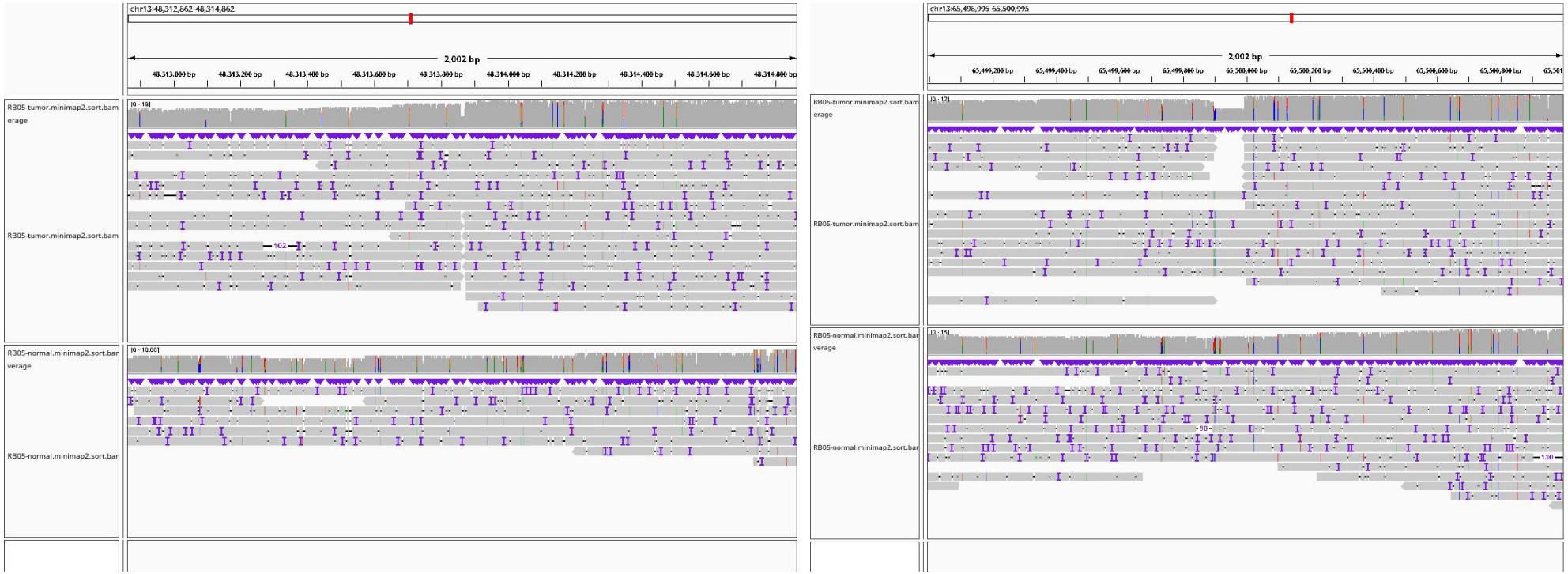


RB05_chr13_48313862_chr13_65499995_-17186133_DEL
Read Dotplot evidence

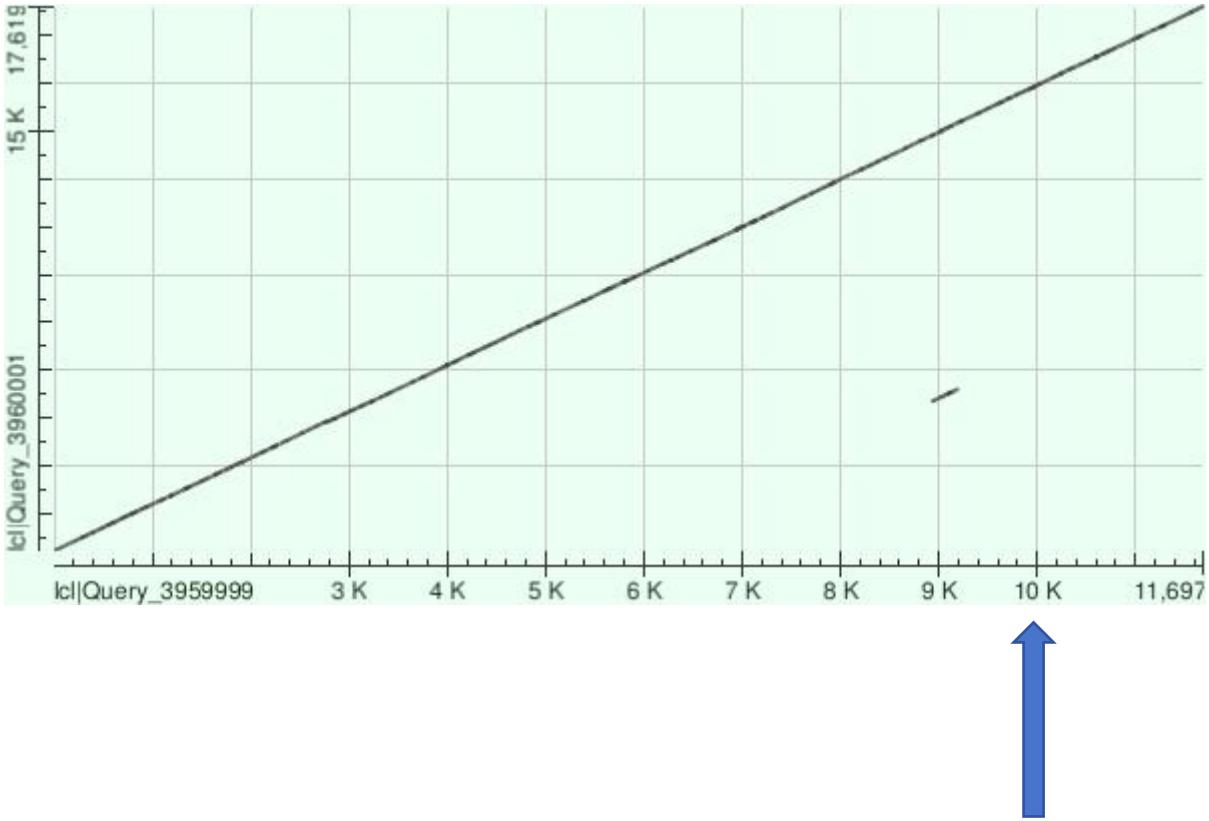


RB05_chr13_48313862_chr13_65499995_-17186133_DEL

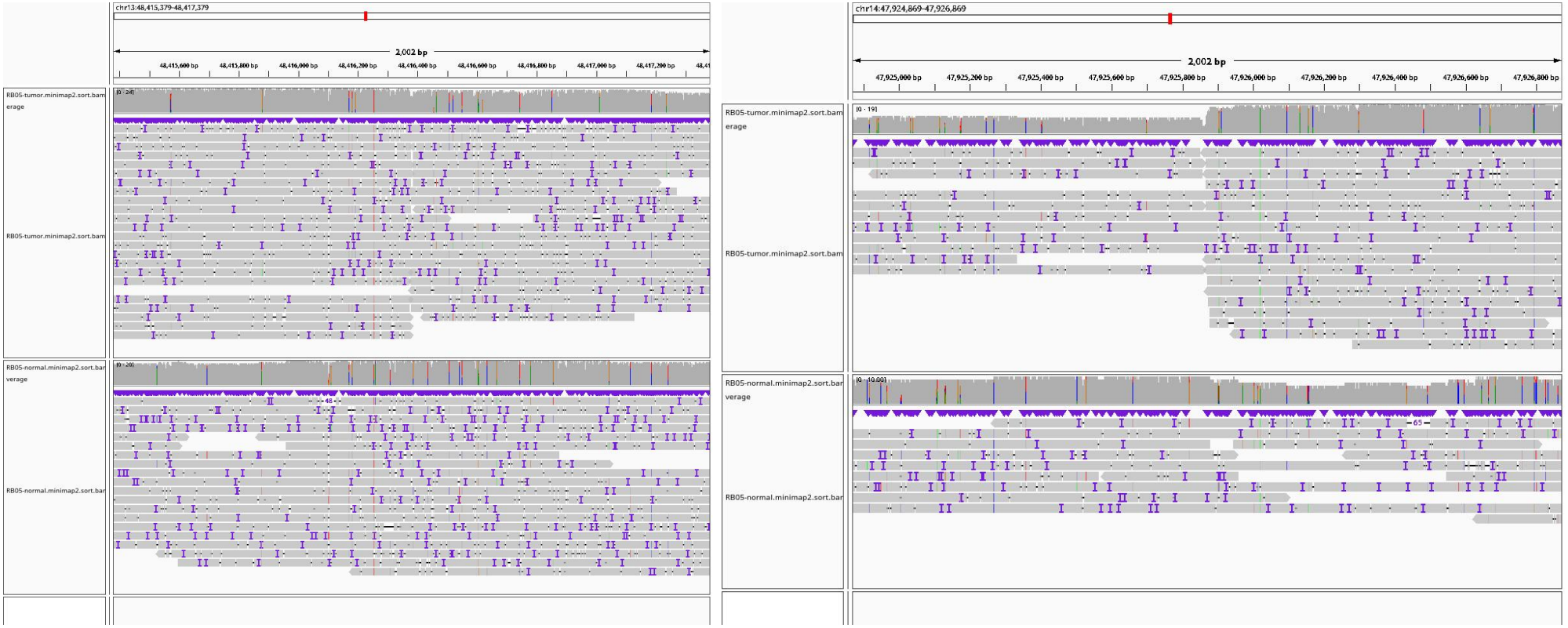
SV Breakpoints IGV evidence (start, end)



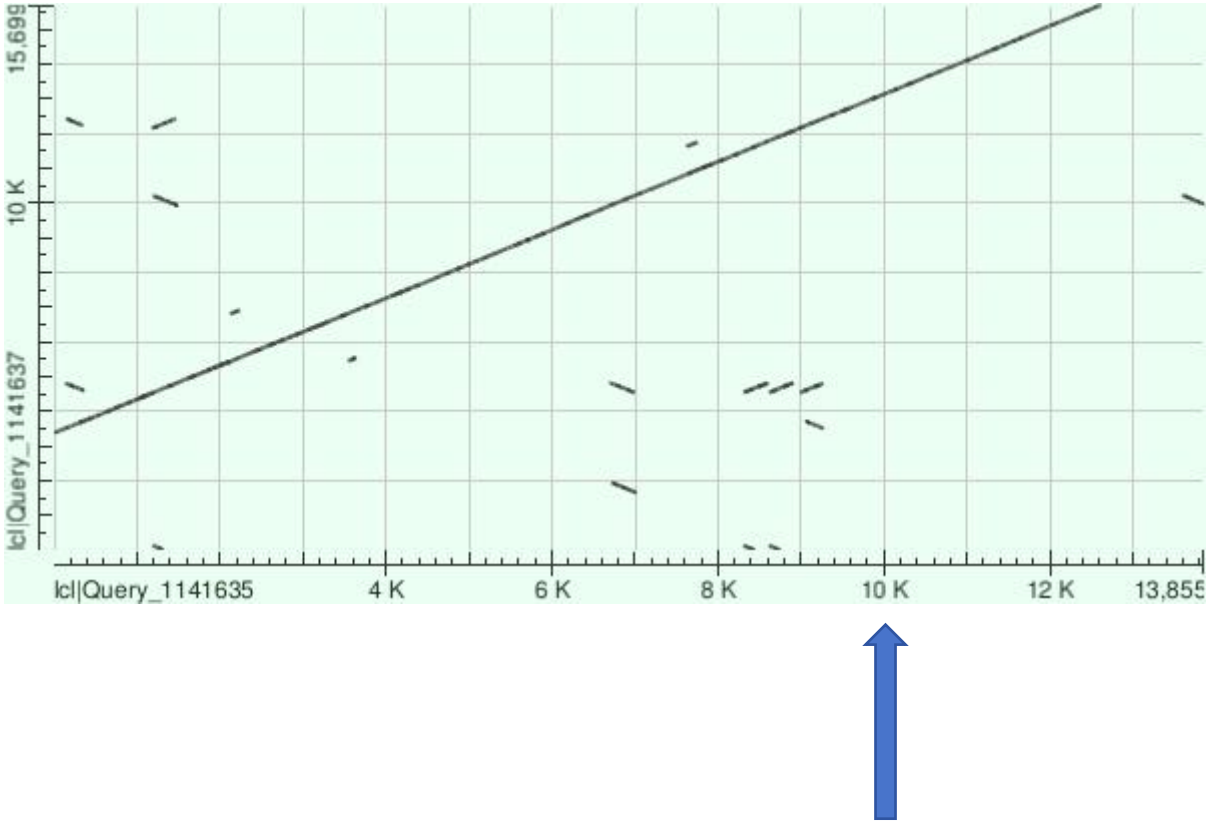
RB05_chr13_48416379_chr14_47925869_1_TRA
Read Dotplot evidence



RB05_chr13_48416379_chr14_47925869_1_TRA
SV Breakpoints IGV evidence (start, end)



RB13_chr13_45113734_chr13_79334343_-34220609_DEL
Read Dotplot evidence



RB13_chr13_45113734_chr13_79334343_-34220609_DEL
SV Breakpoints IGV evidence (start, end)