

CIGAR_Excisions

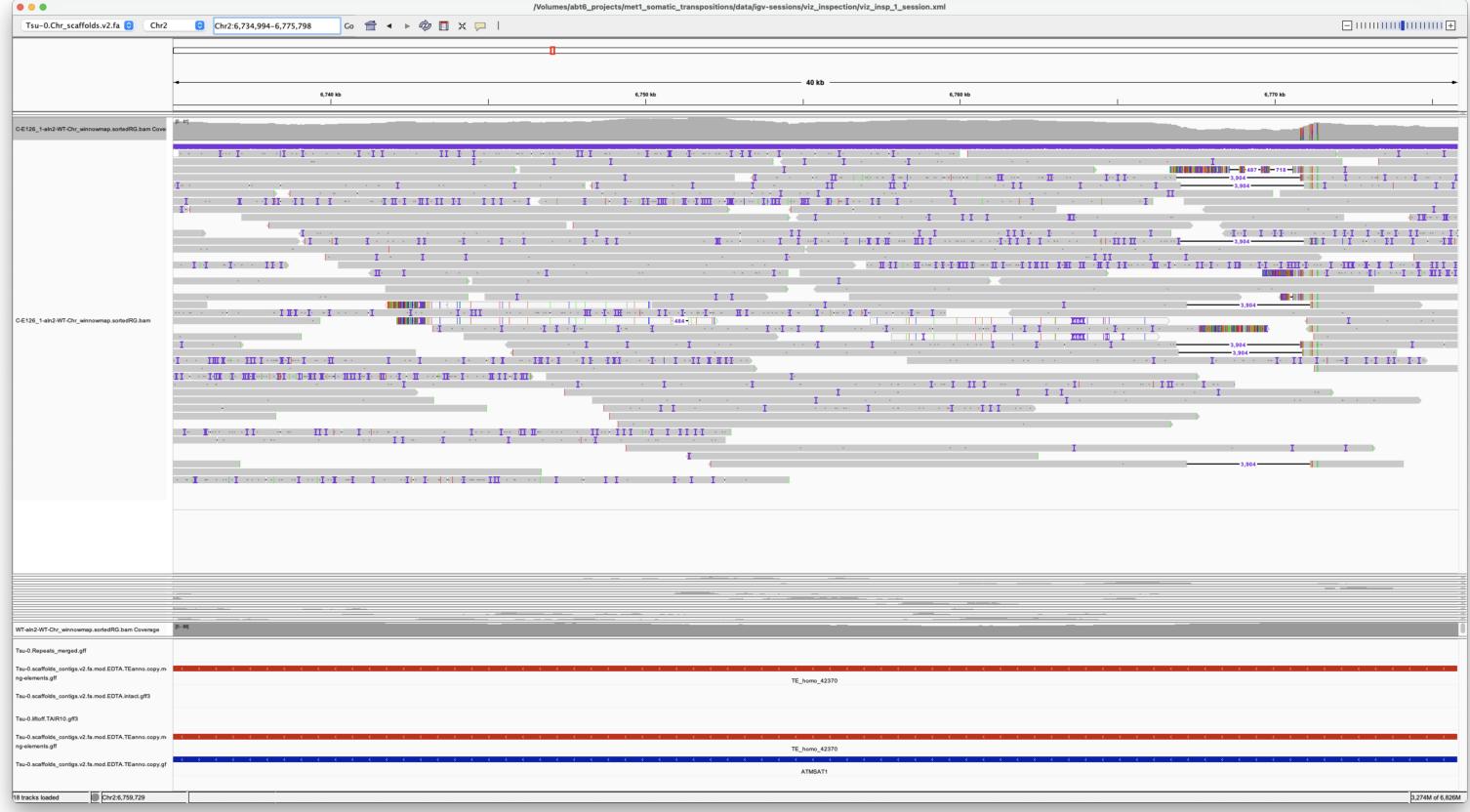
Only deletions that match 99% with a TE

Merged elements

"SatCEN" = satellite or centromeric rearrangements – not to be trusted

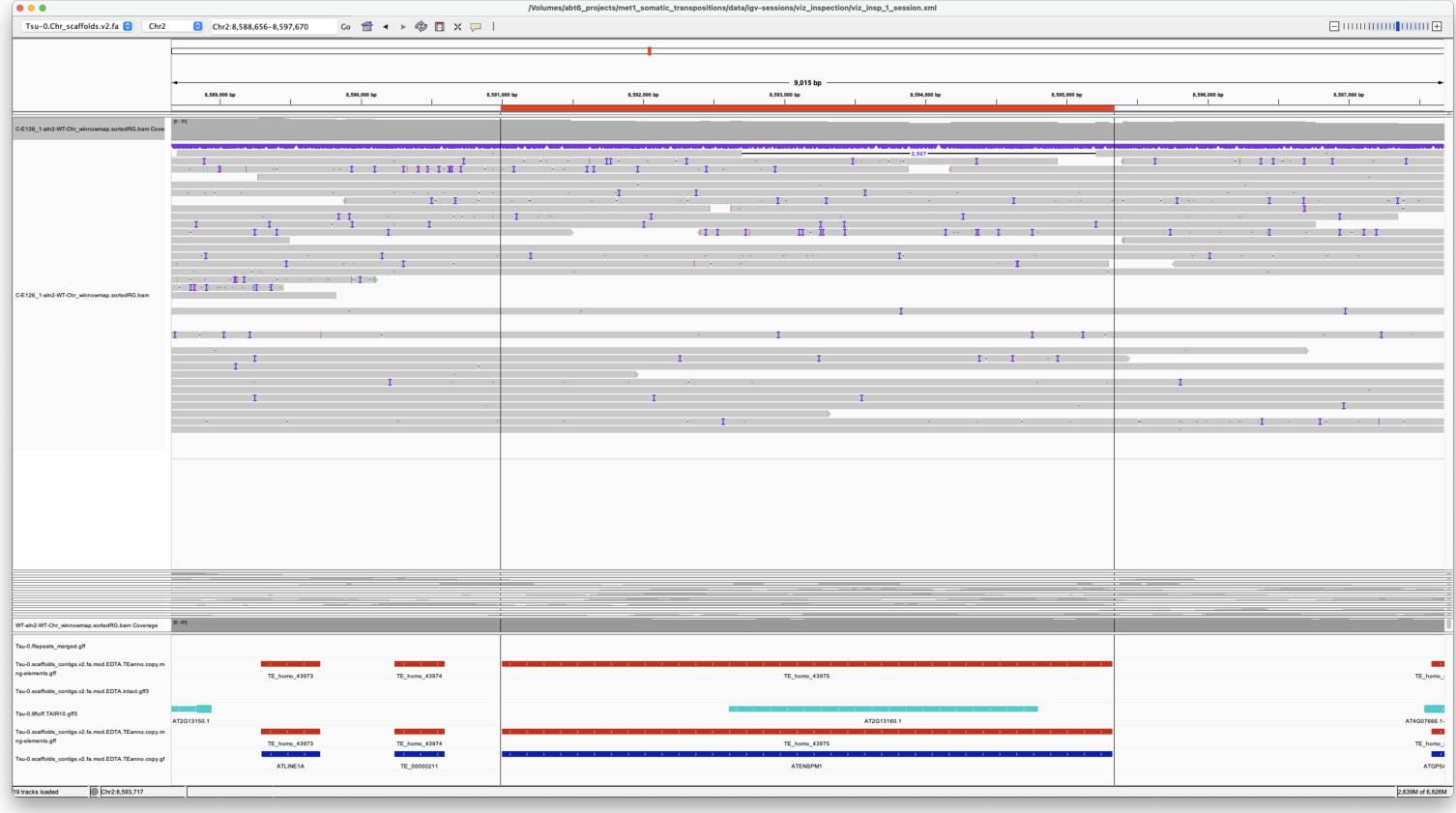
met1_01

Chr2 6734994 6775798 ATMSAT1 met1_01



SatCEN

Chr2 8591002 8595324 ATENSPM1 met1_01



internal deletion not associated to insertions

There is also the possibility this is misannotation

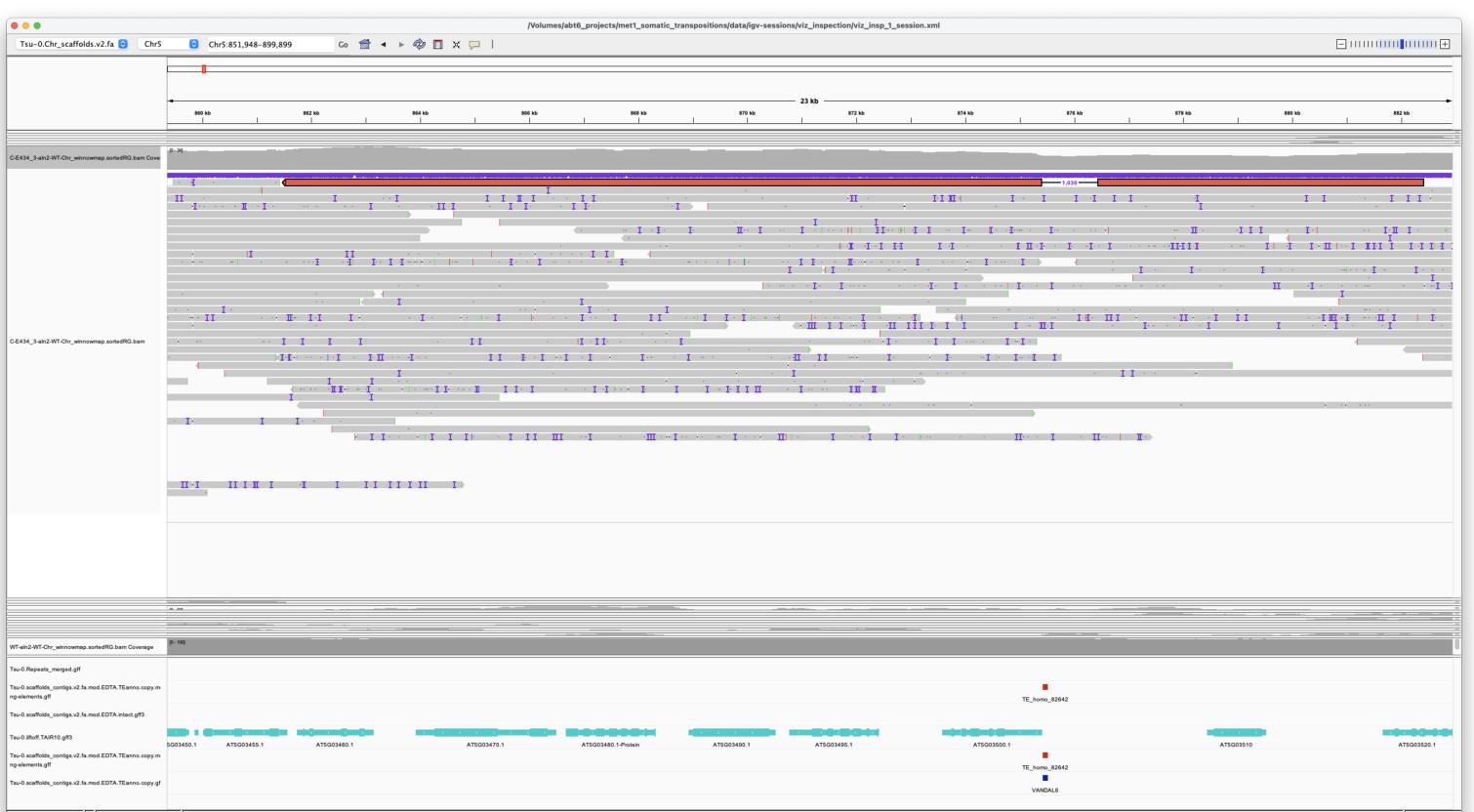
Rearrangement

Chr5 19152829 19160826 VANDAL21 met1_0



met1_03

Chr5 875414 876434 PAC met1_03

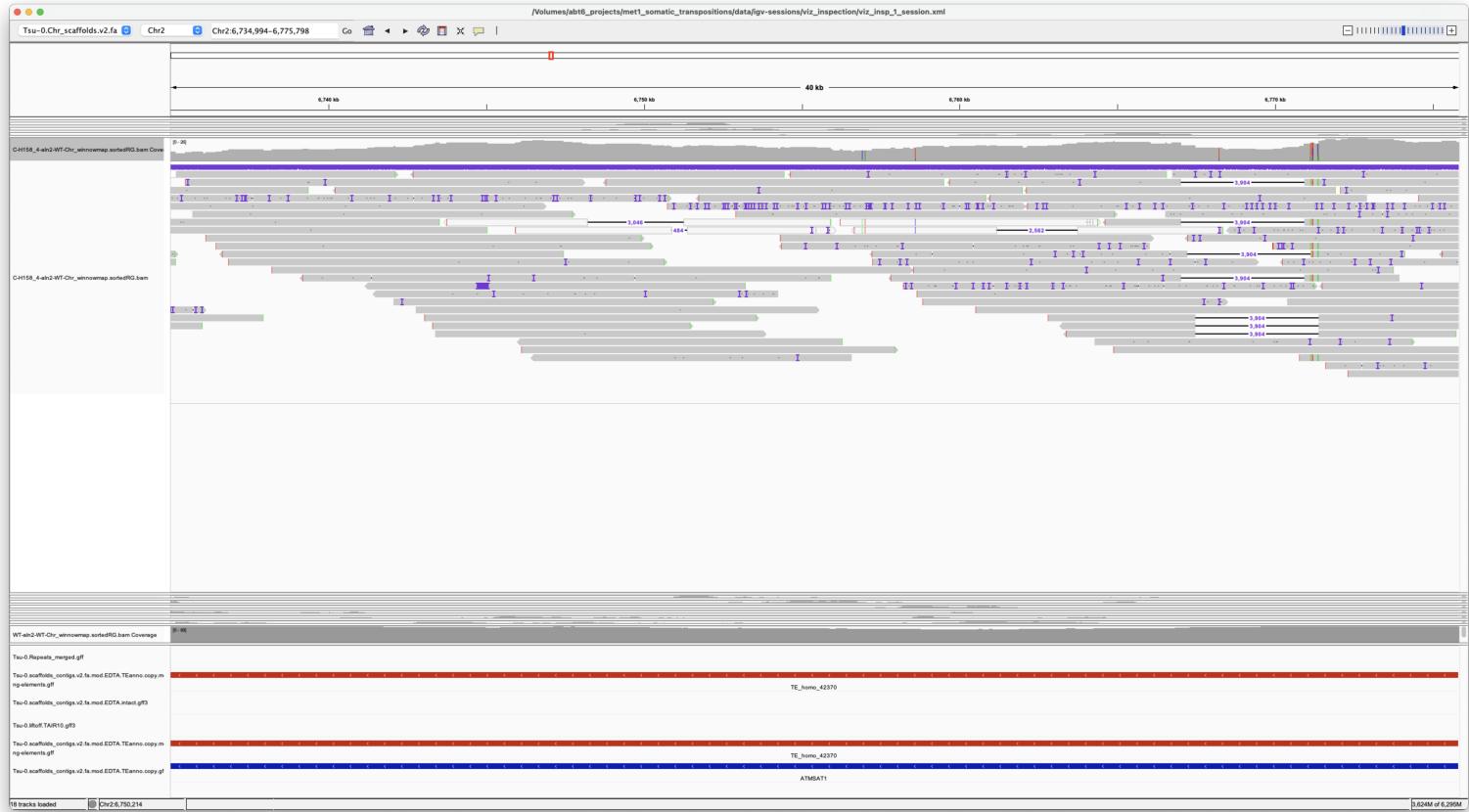


Annotation of putative Pack-Type missing from bottom tracks

Confirmed

met1_04

Chr2 6734994 6775798 ATMSAT1 met1_04



SatCEN

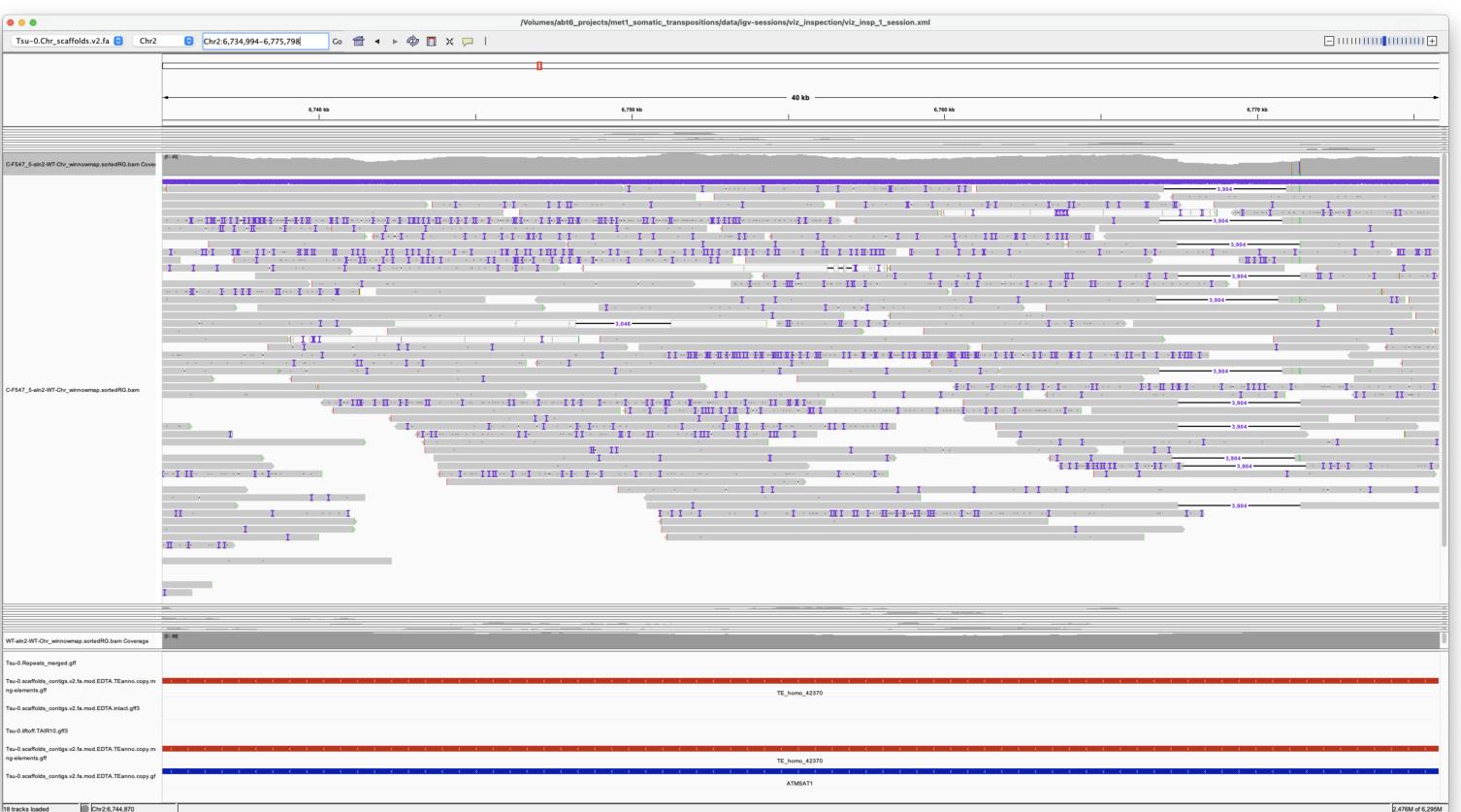
Chr5 19152829 19160826 VANDAL21 met1_04



Internal deletion

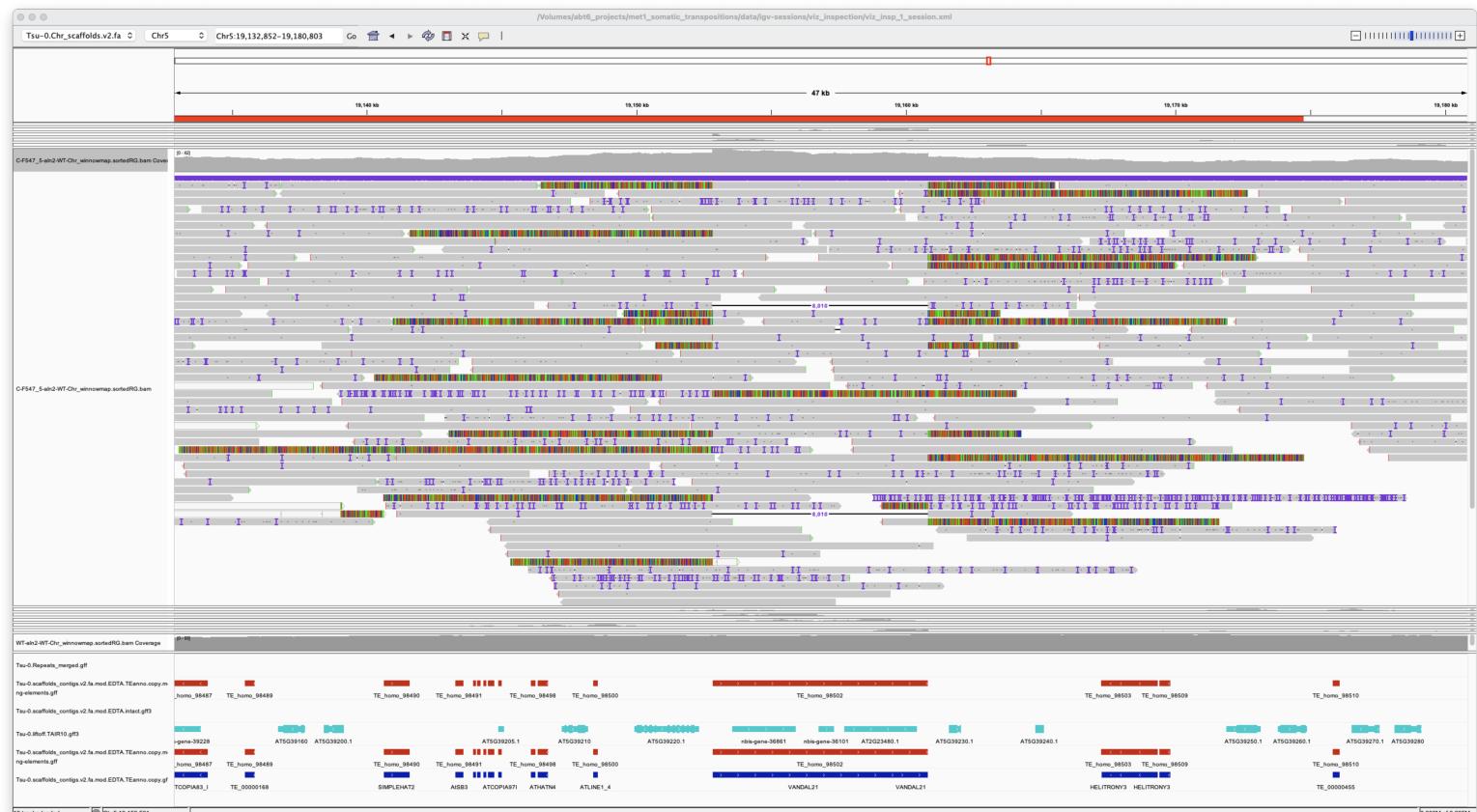
met1_05

Chr2 6734994 6775798 ATMSAT1 met1_05



SatCEN

Chr5 19152829 19160826 VANDAL21 met1_05

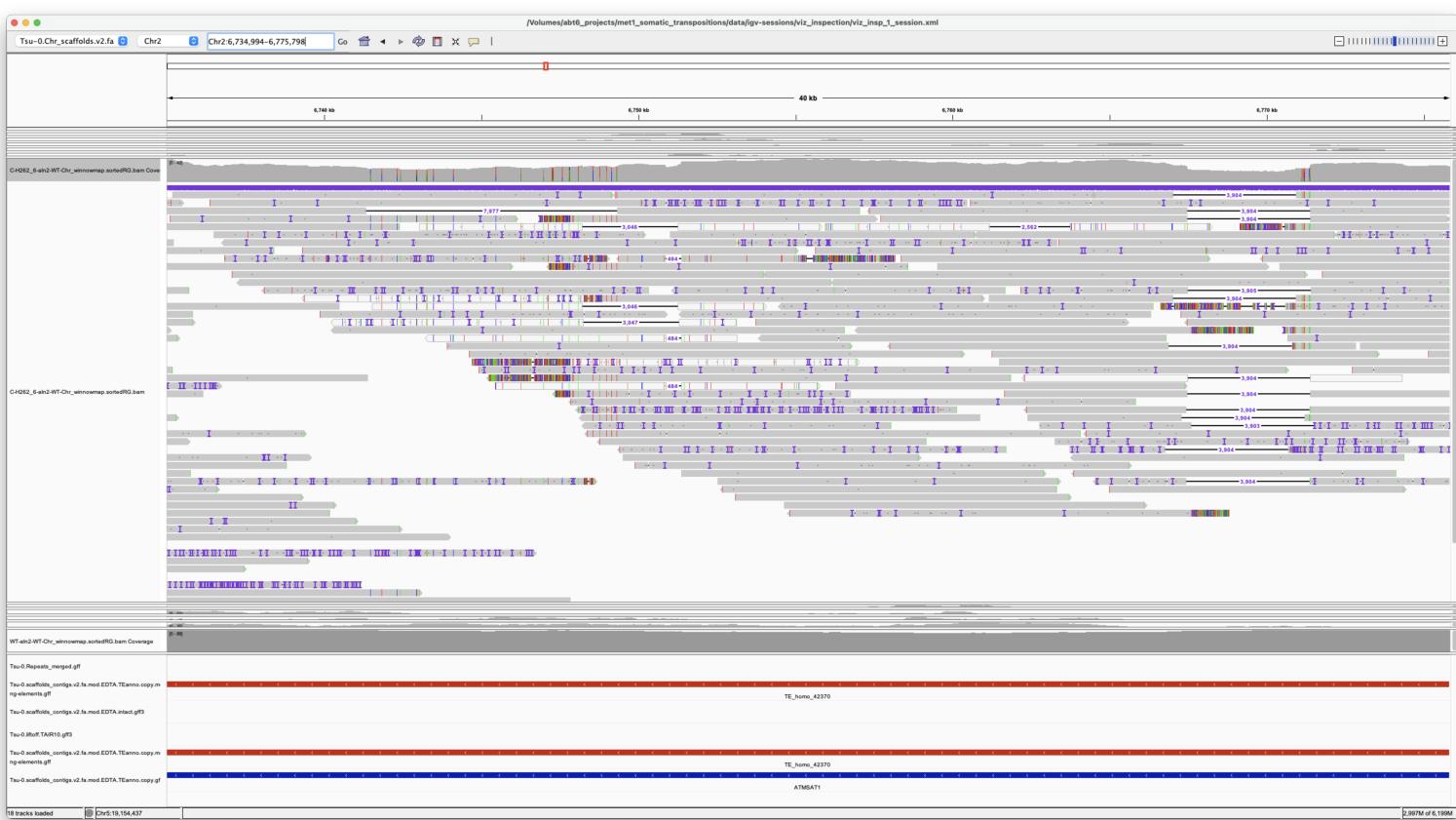


2x

Confirmed

met1_06

Chr2 6734994 6775798 ATMSAT1 met1_06



SatCEN

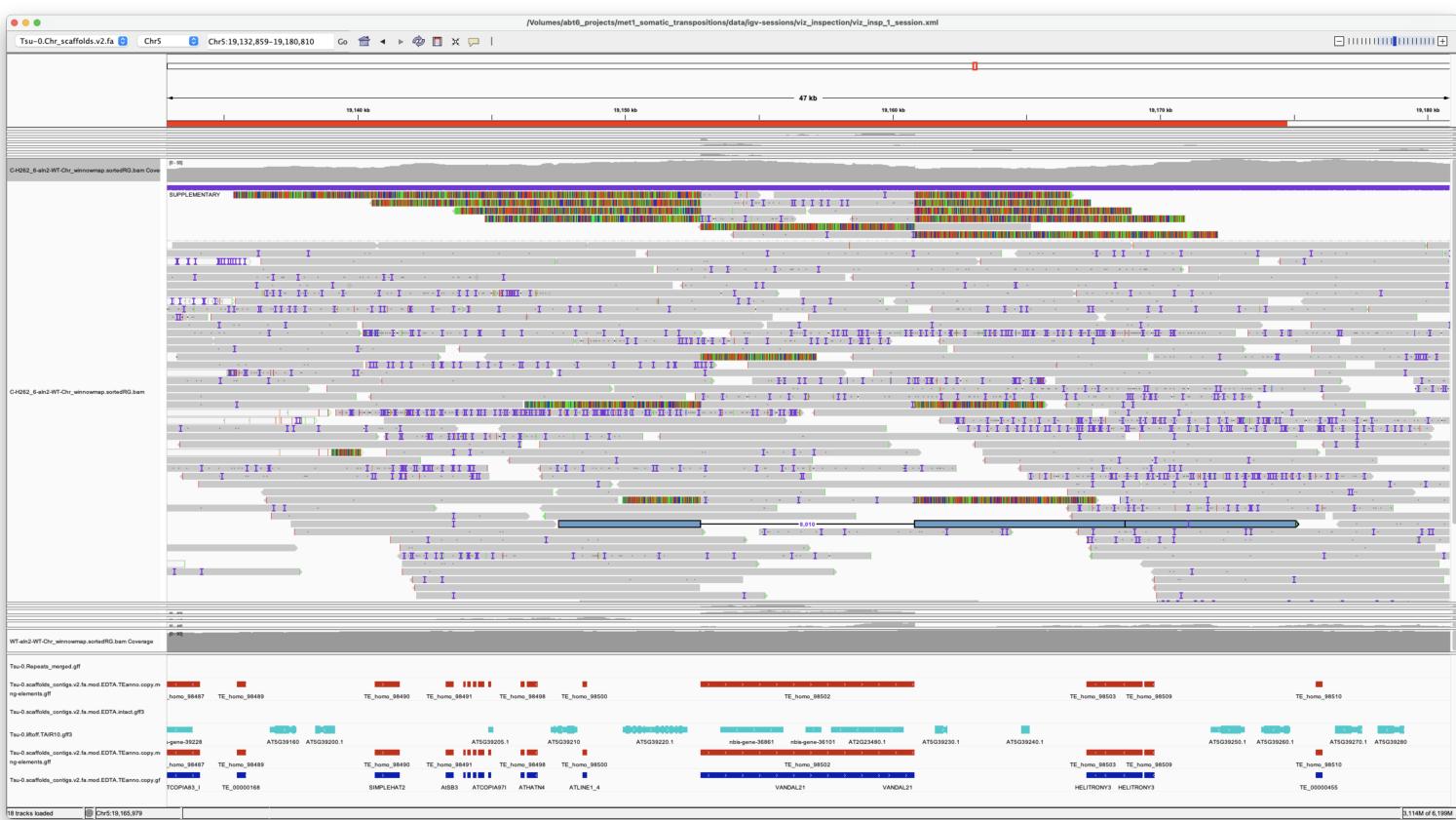
Chr3 16344522 16352497 VANDAL6 met1_06



internal deletion

Rearrangement

Chr5 19152829 19160826 VANDAL21 met1_06



met1_07

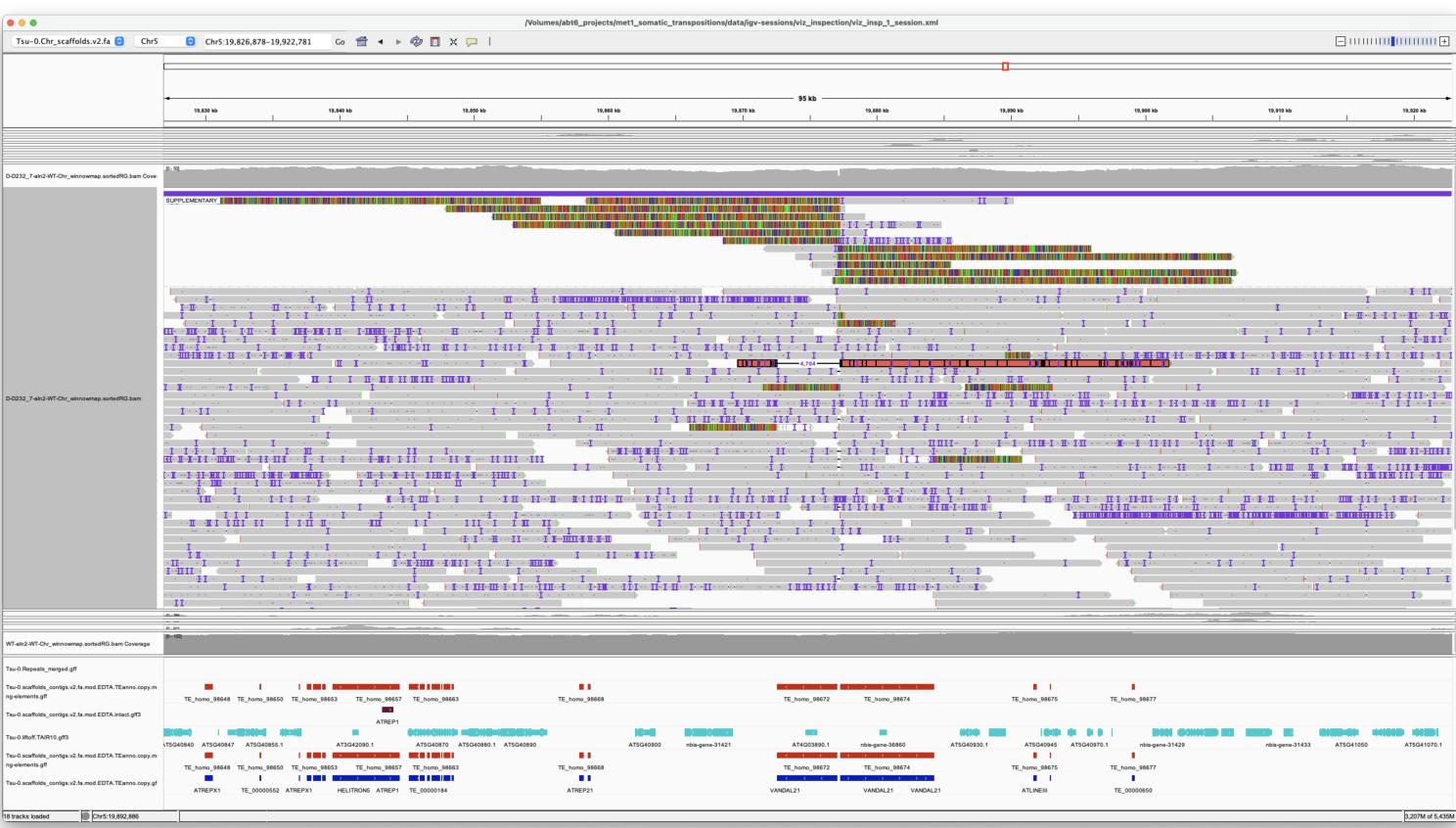
Chr5 19152829 19160826 VANDAL21 met1_07



Internal deletion

Rearrangement

Chr5 19872565 19877095 VANDAL21 met1_07

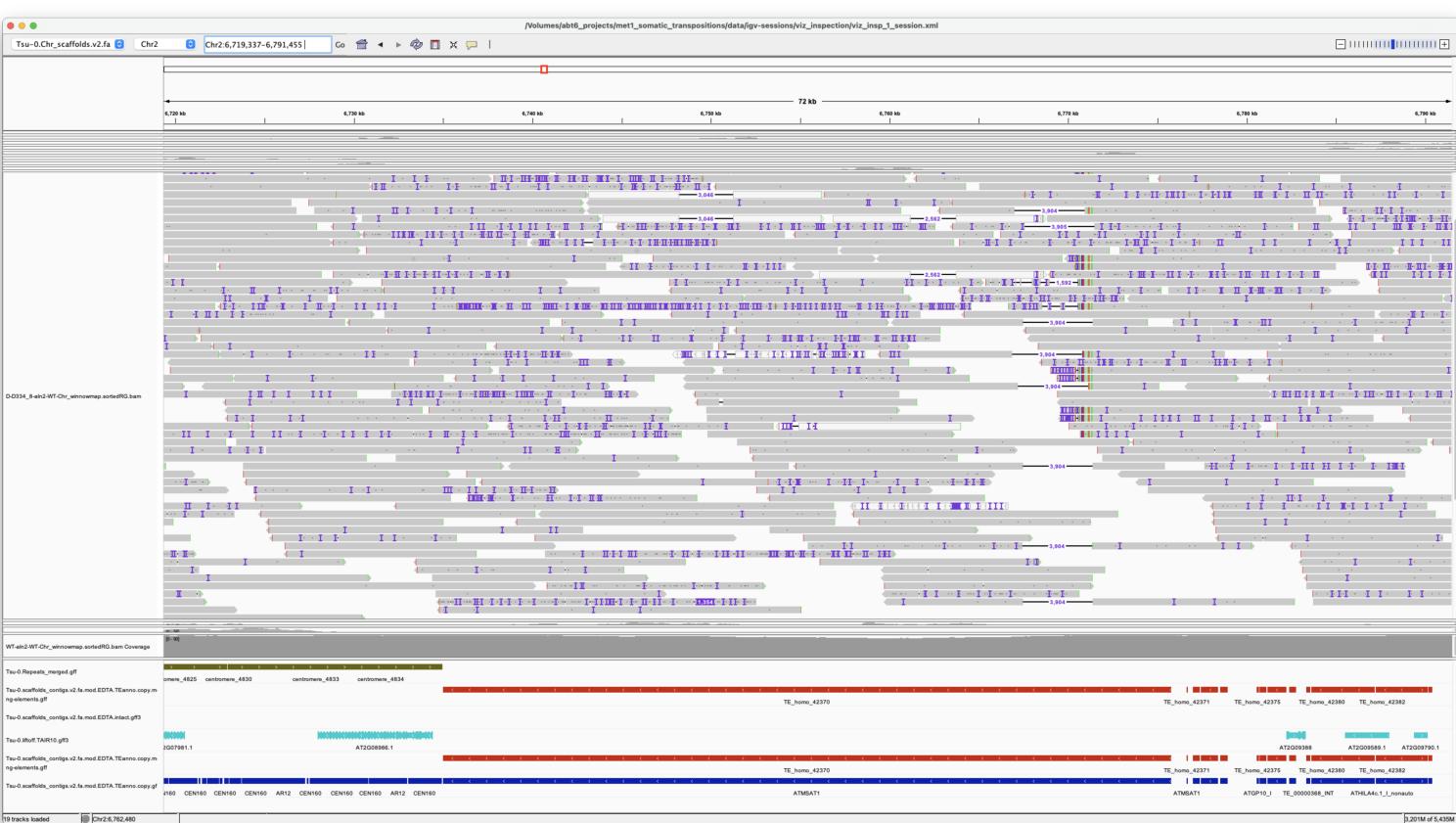


Hypermutable region, probable alternative transposition involved

Excluded

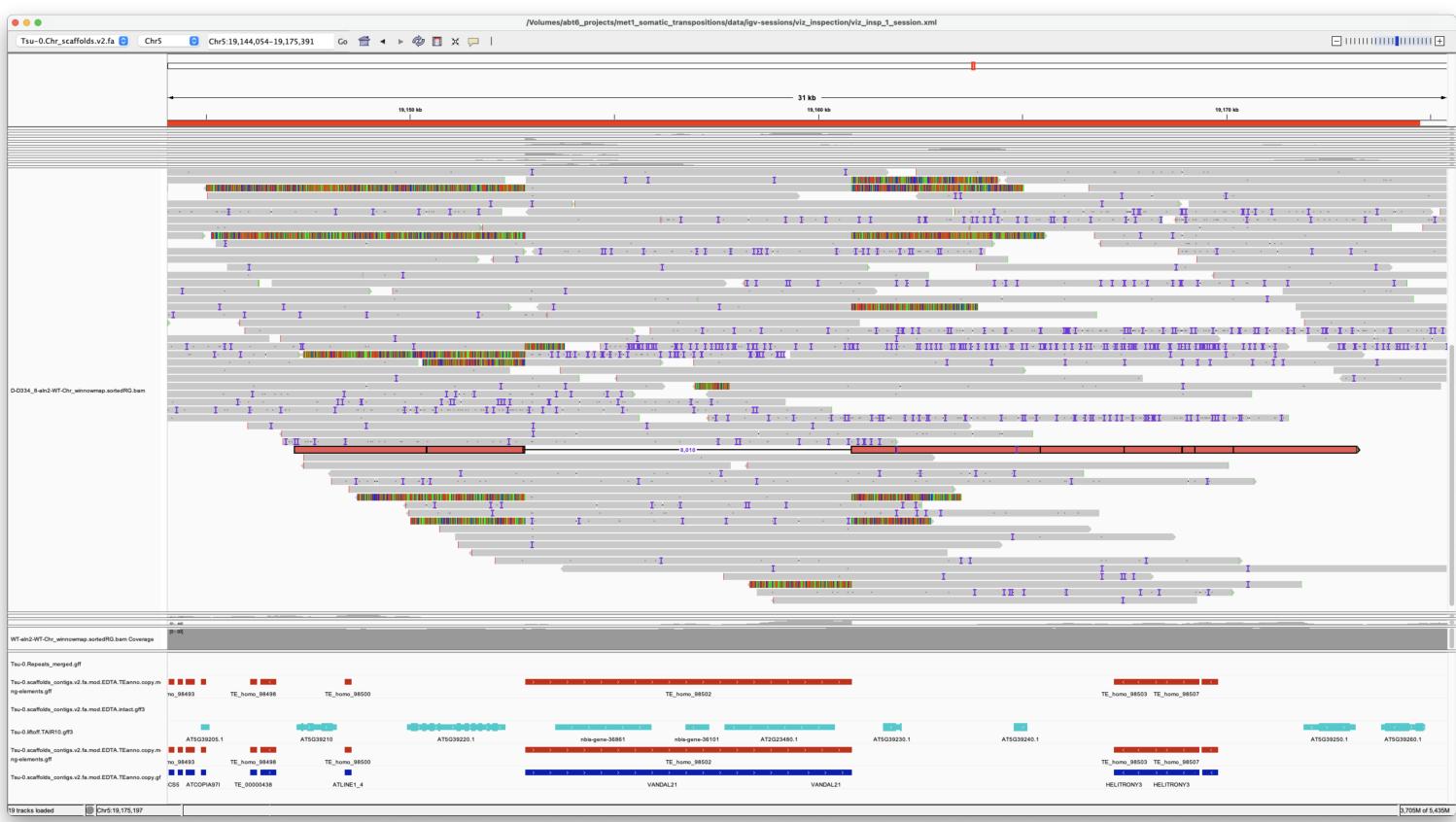
met1_08

Chr2 6734994 6775798 ATMSAT1 met1_08



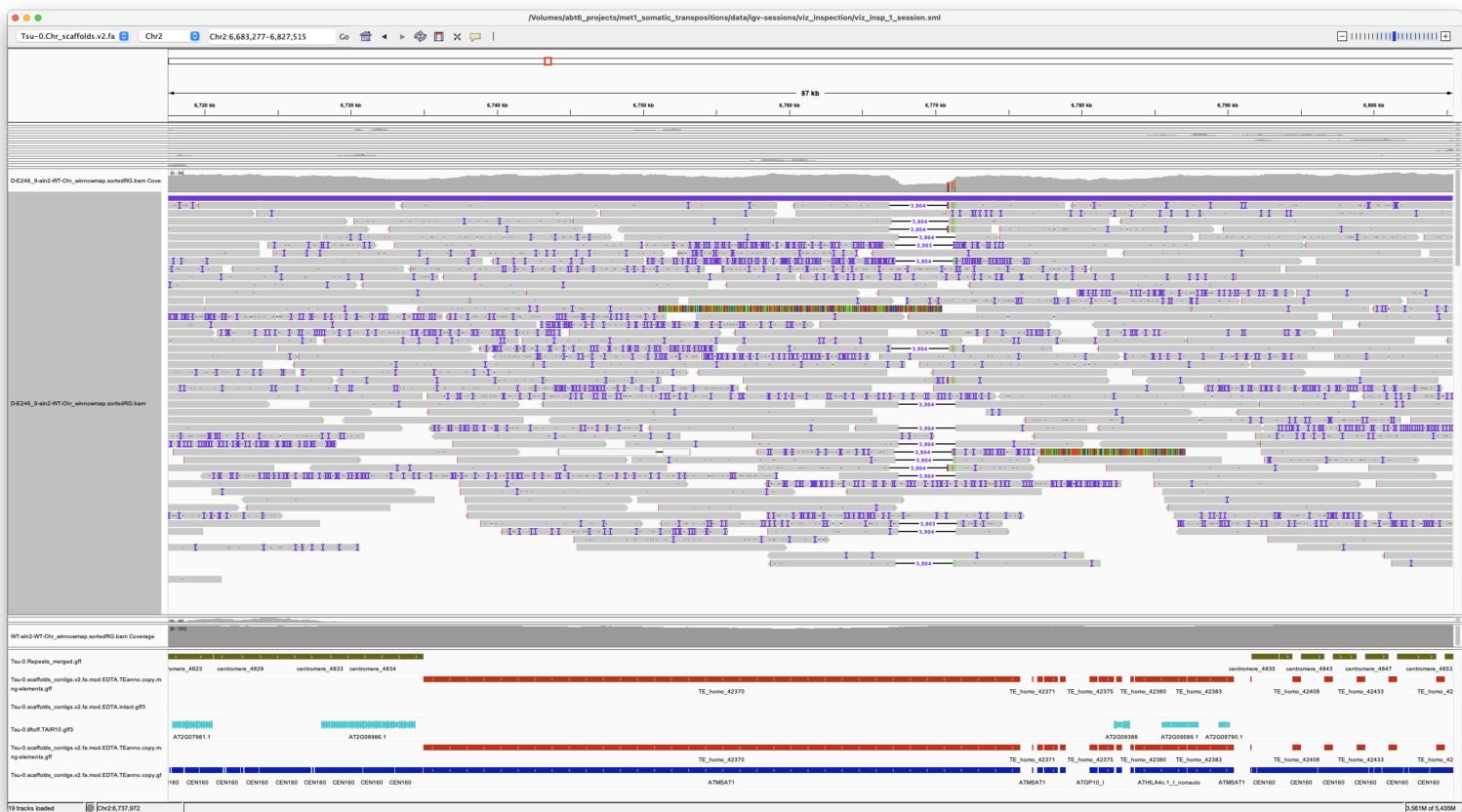
SatCEN

Chr5 19152829 19160826 VANDAL21 met1_08



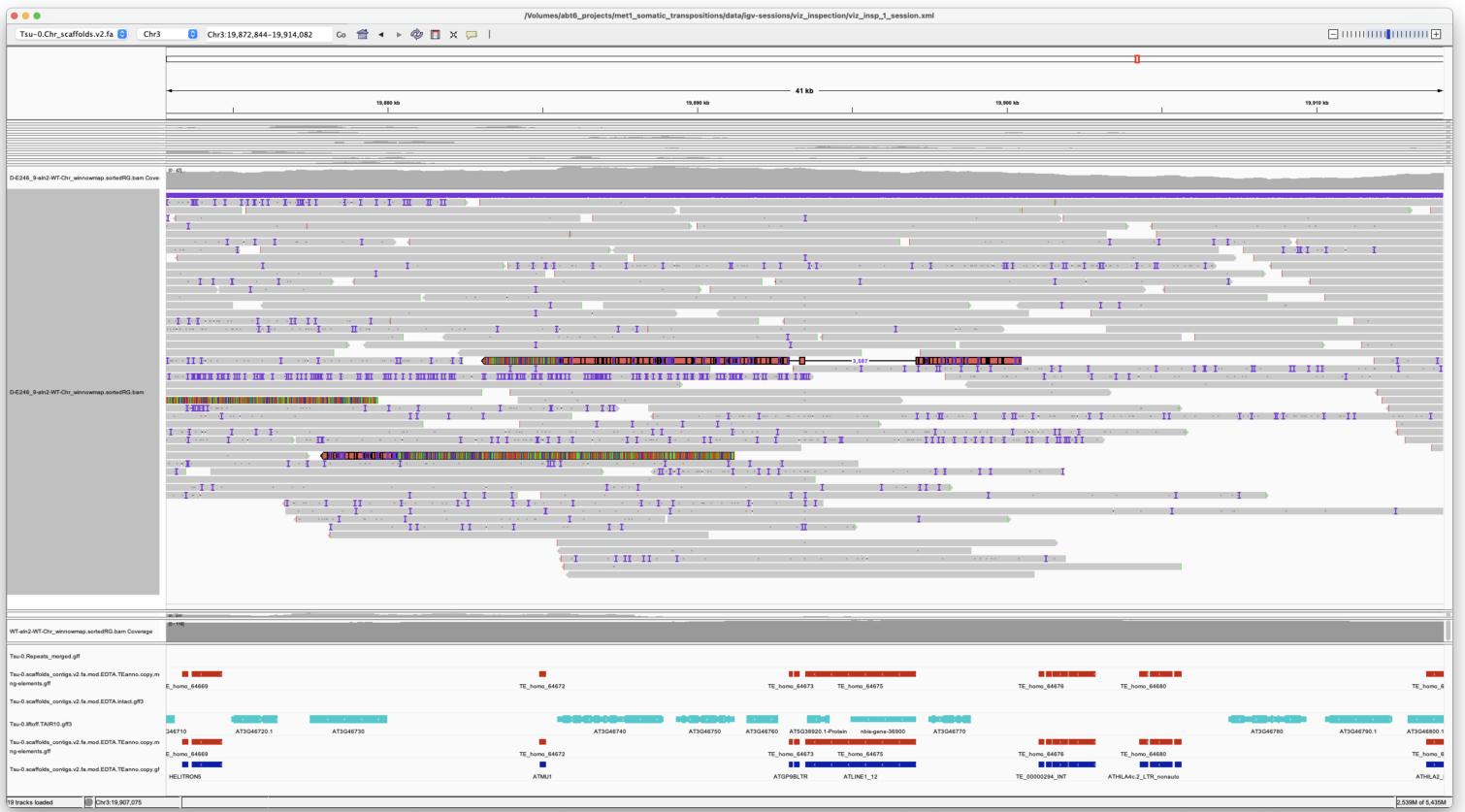
met1_09

Chr2 6734994 6775798 ATMSAT1 met1_09



SatCEN

Chr3 19893498 19897077 ATLINE1_12 met1_09



Weird, interesting Rearrangement

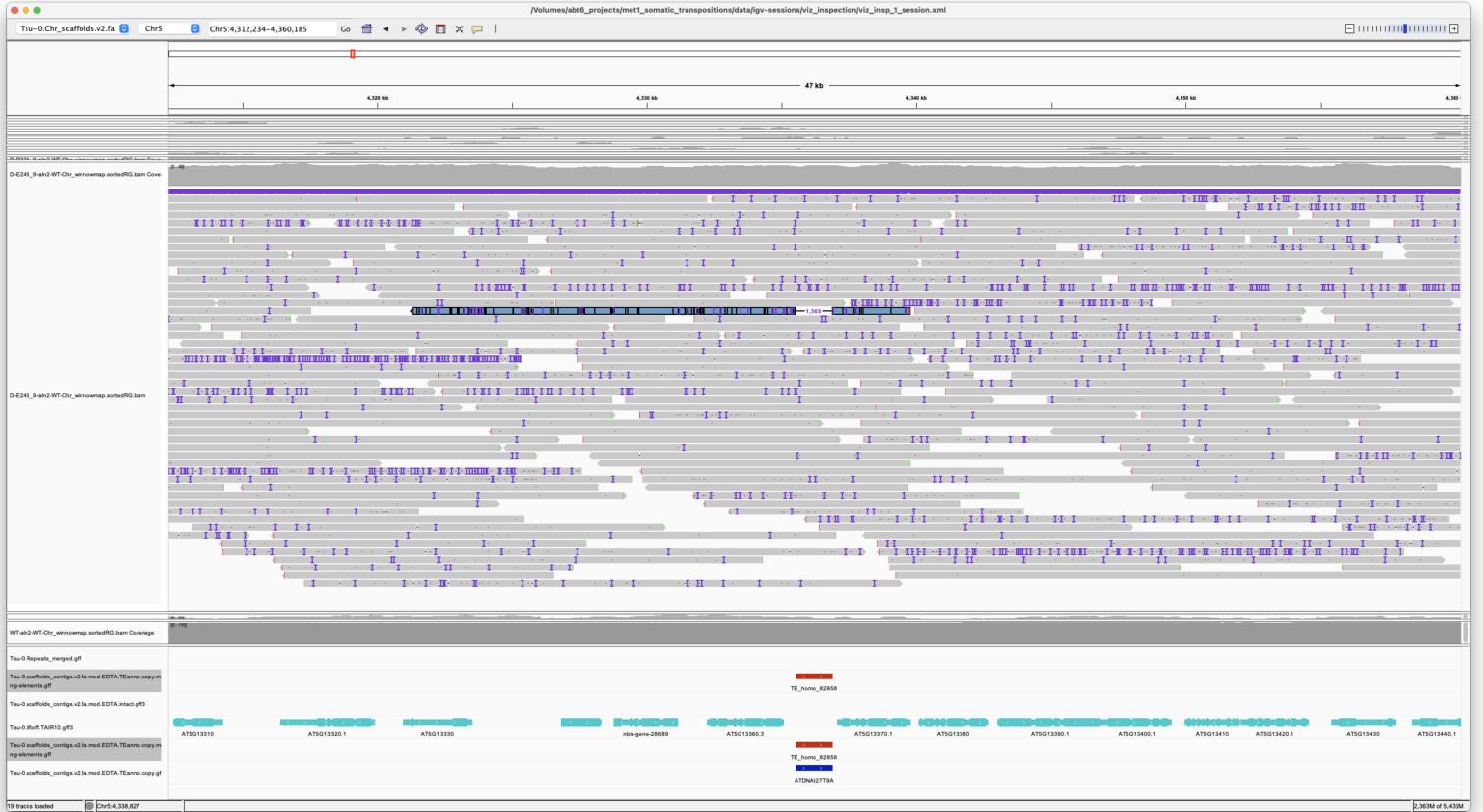
but confirmed that the deletion is overlapping perfectly with the annotated TE, which is a LINE and shouldnt be excided but..

probably something weird going on here OR ARTIFACT!!

There is also a supplementary alignment on the left, THEREFORE:

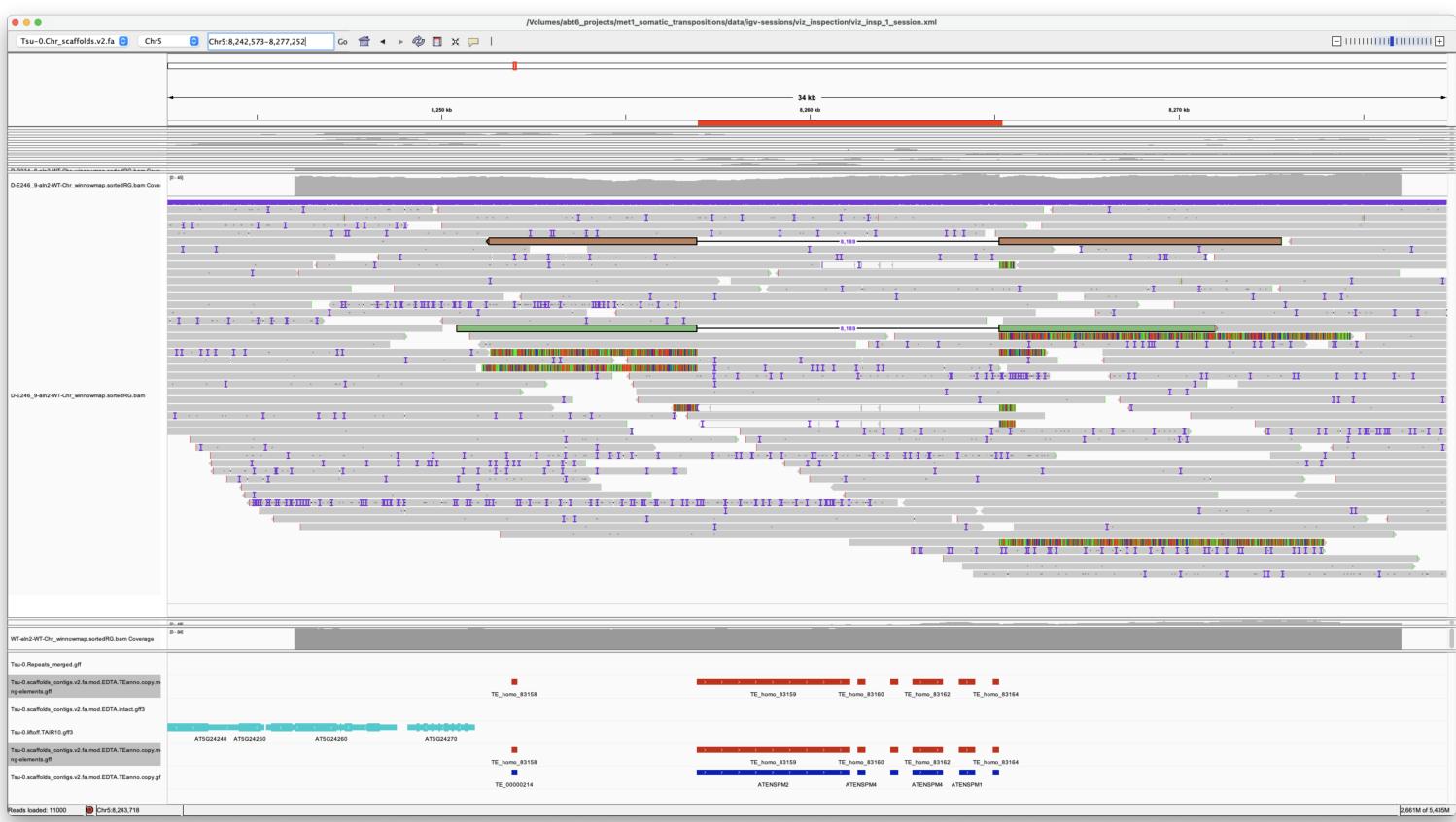
Not Confirmed

Chr5 4335532 4336888 ATDNAI2T79A met1_09



Seems real because it coinciding with the underlying annotation BUT there are no evidences of this element to insert in any met1 individual plant

Chr5 8256939 8265133 CAC2A met1_09

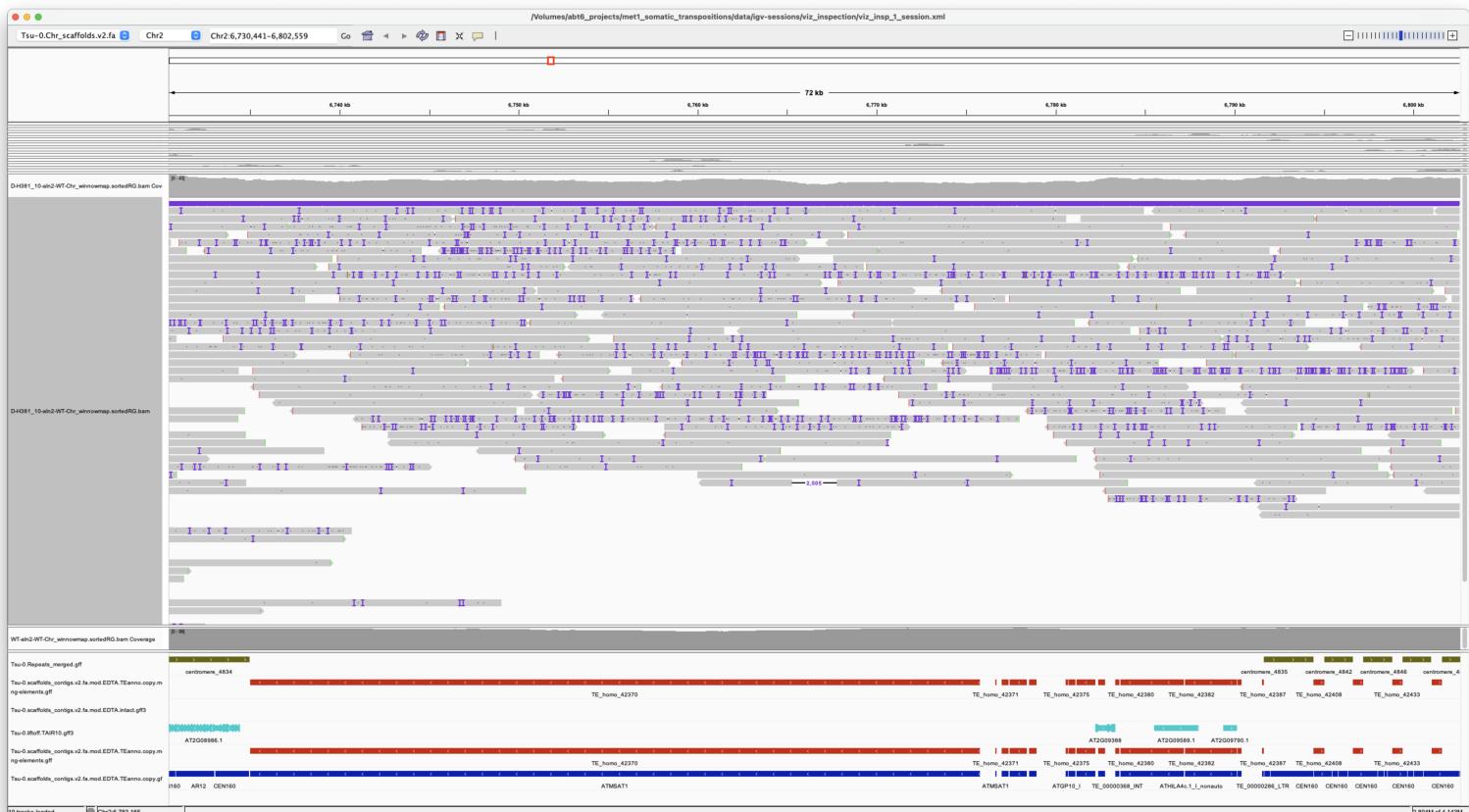


2x coverage

Confirmed

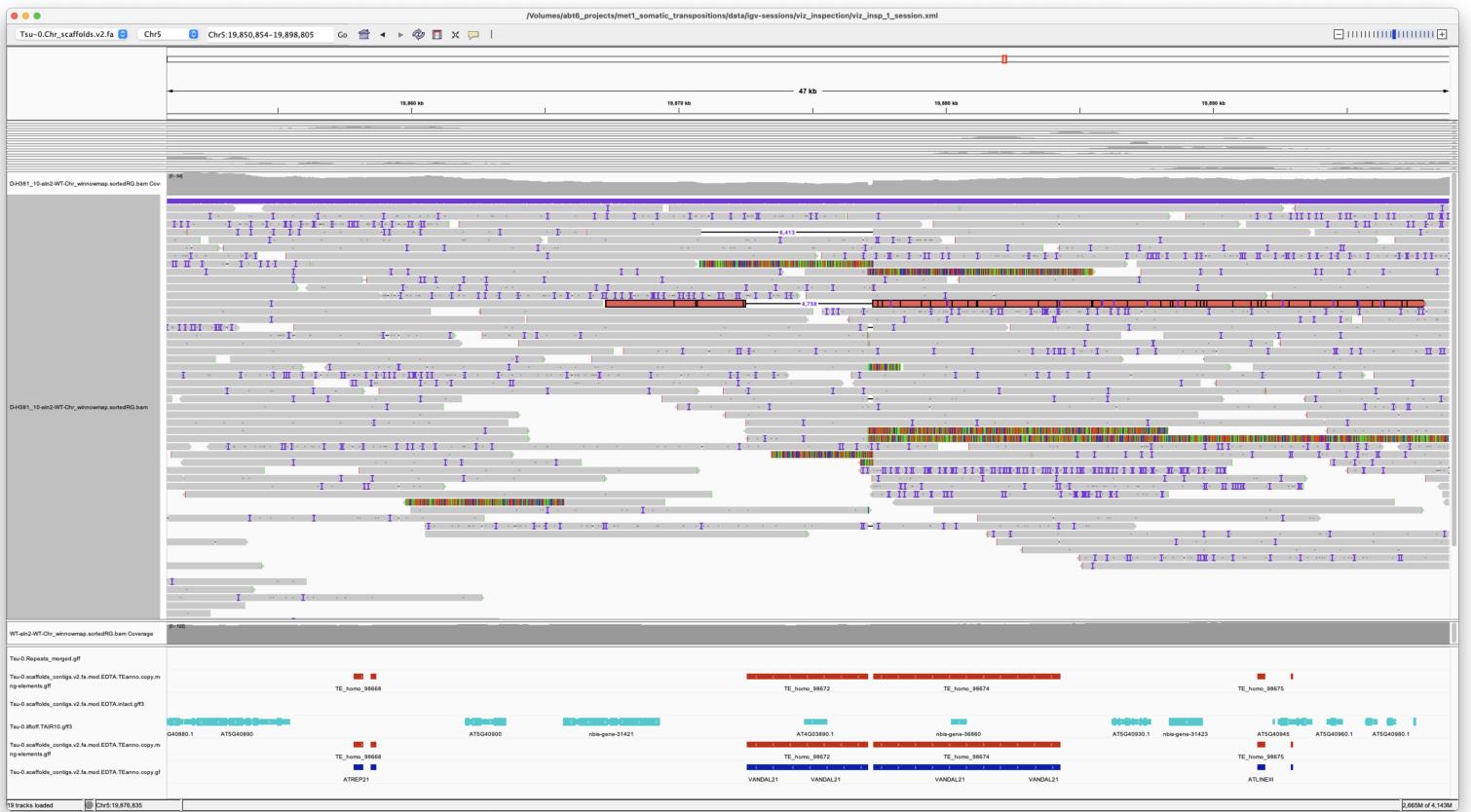
met1_10

Chr 6734994 6775798 ATMSAT1 met1_10



SATELLITE

Chr5 19872565 19877095 VANDAL21 met1_10



~200bp to the right of the element are also cut.

In this locus there are several rearrangements! this could be easily one of them

Not Confirmed

WT