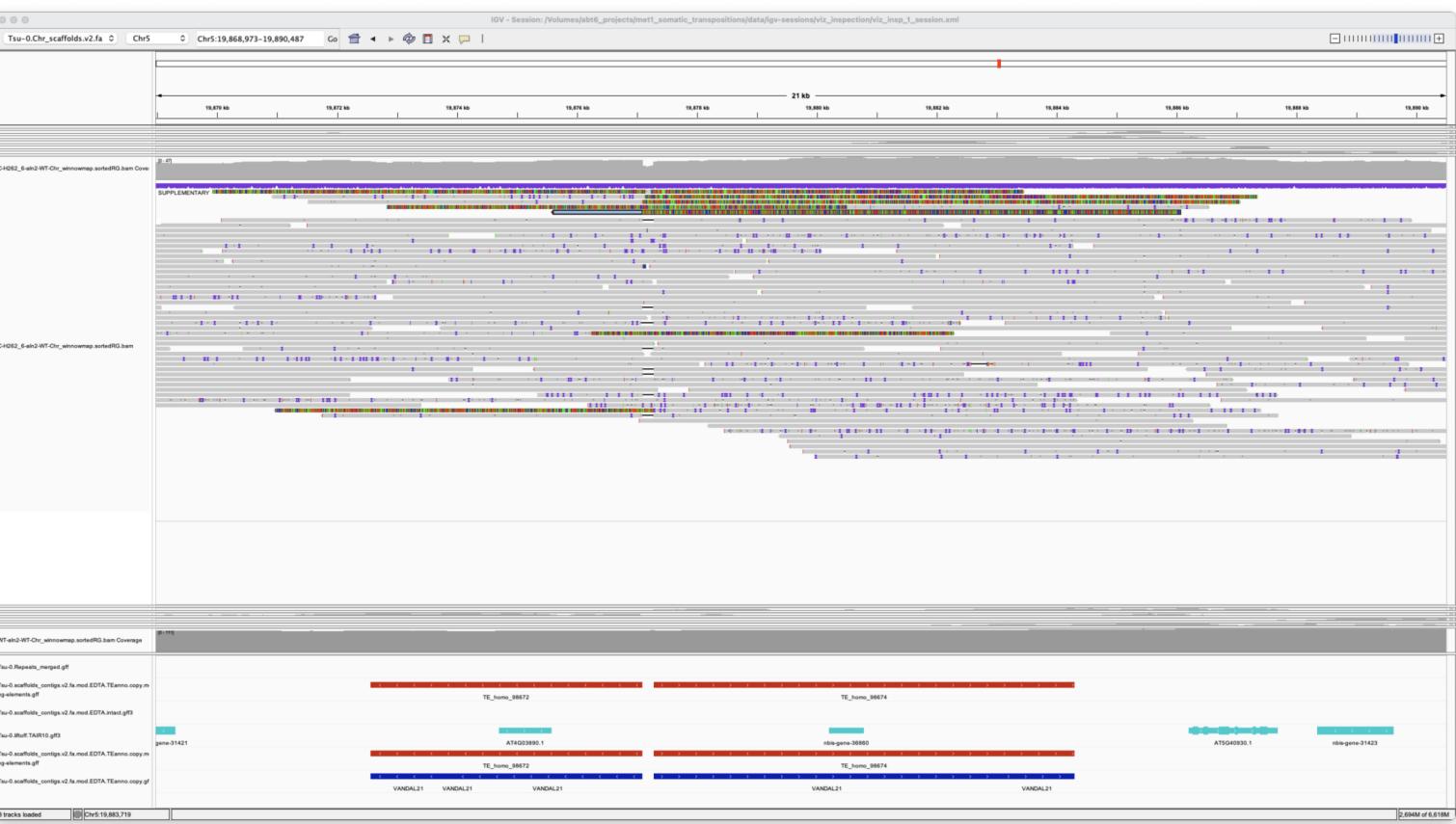
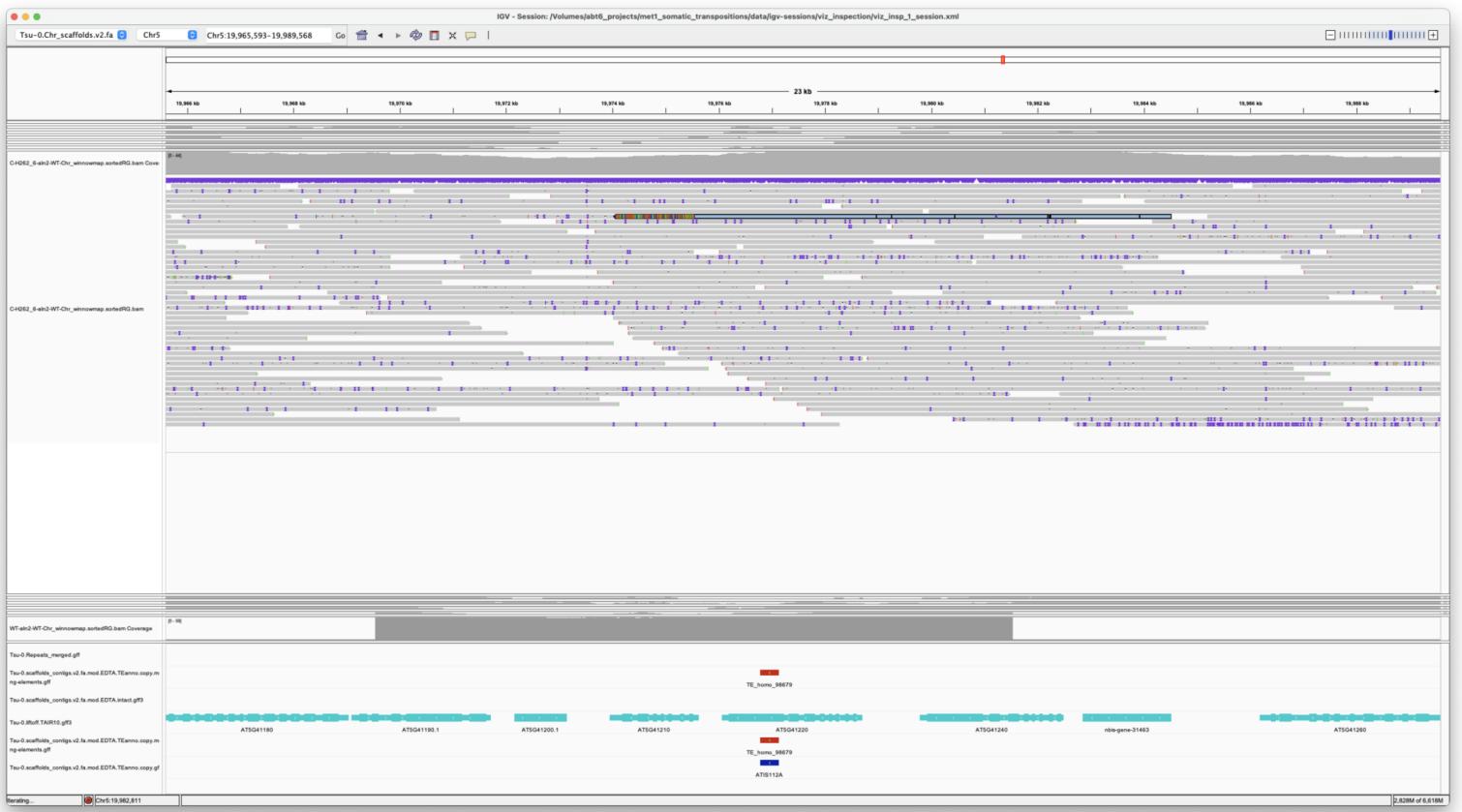


Partial

Confirmed

Chr5 19975545 19975545 + 1 Chr5:19872565;19877095;VANDAL21 m64079_240212_113350/1247781/ccs met1_06



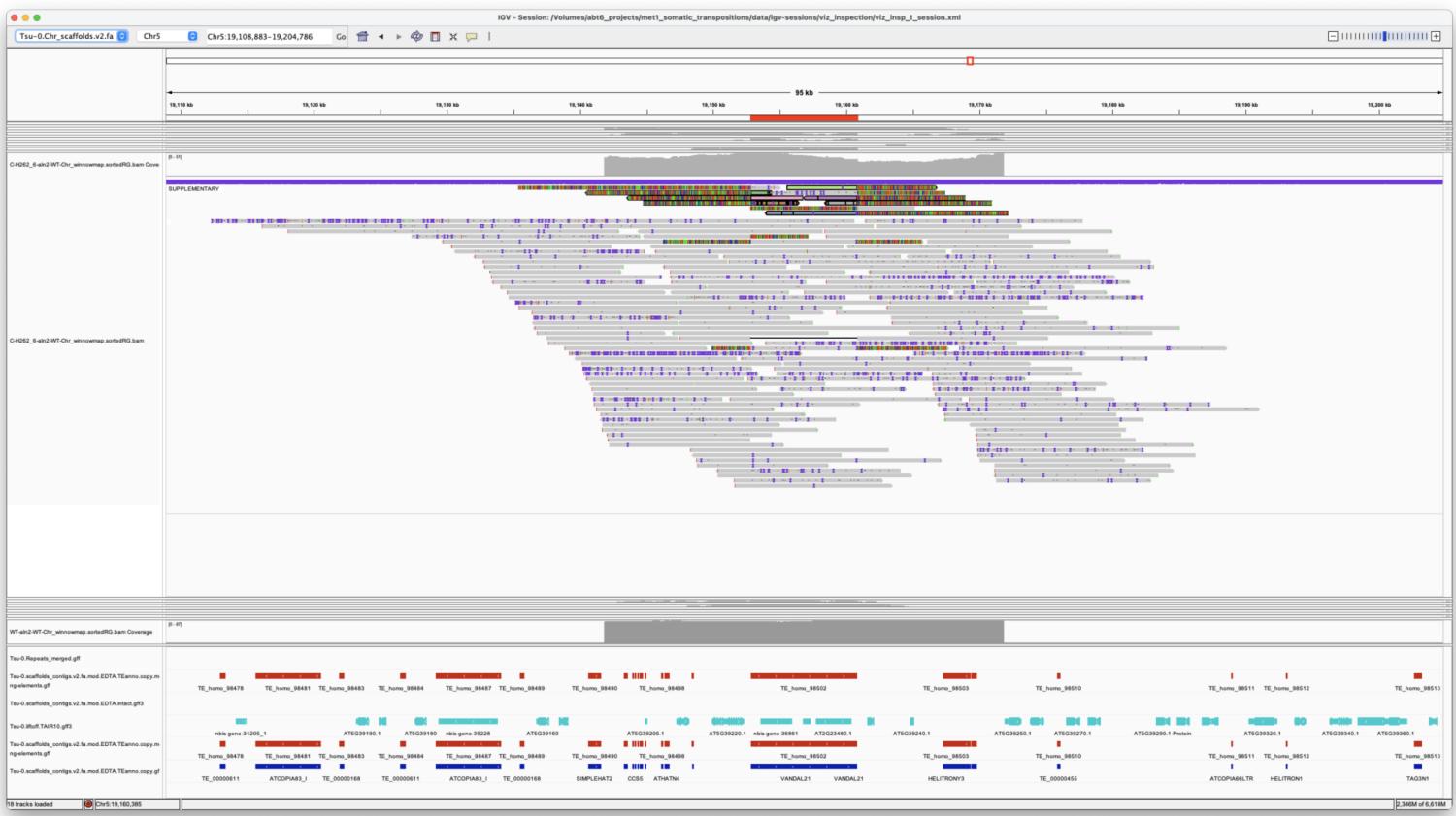
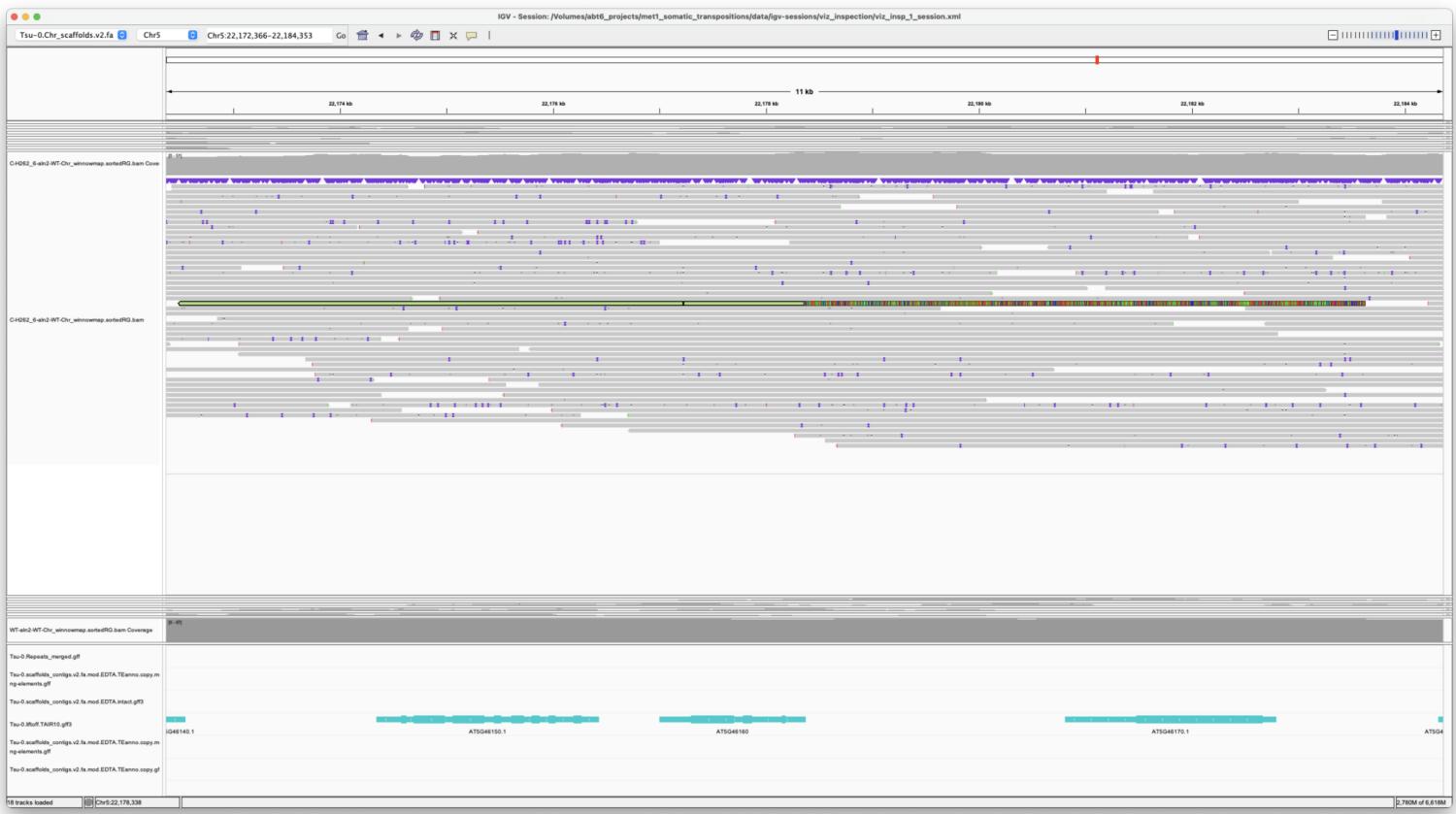
I don't trust this to be an insertion!!

Hypermutable region

Rearrangement

unsupported

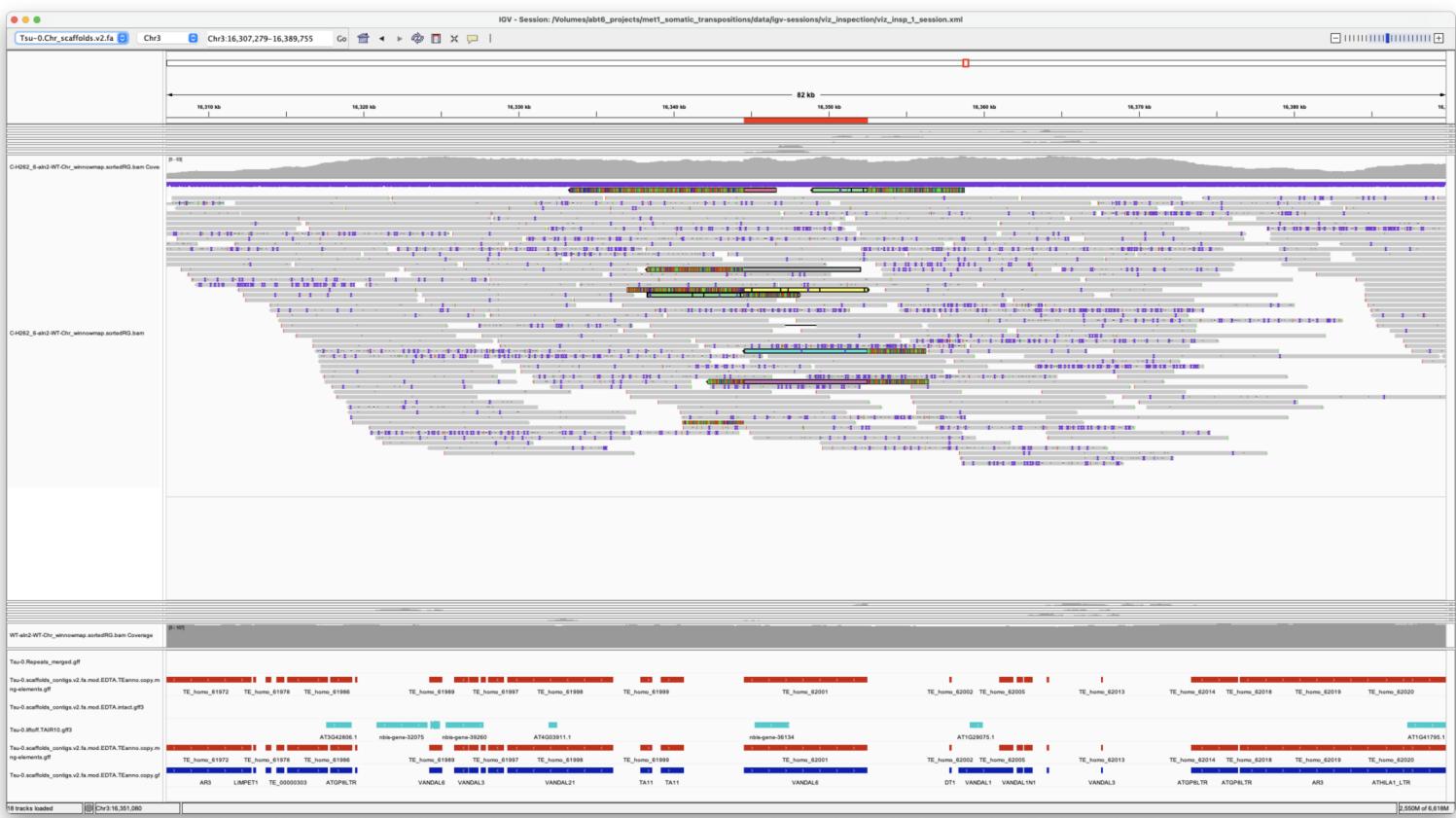
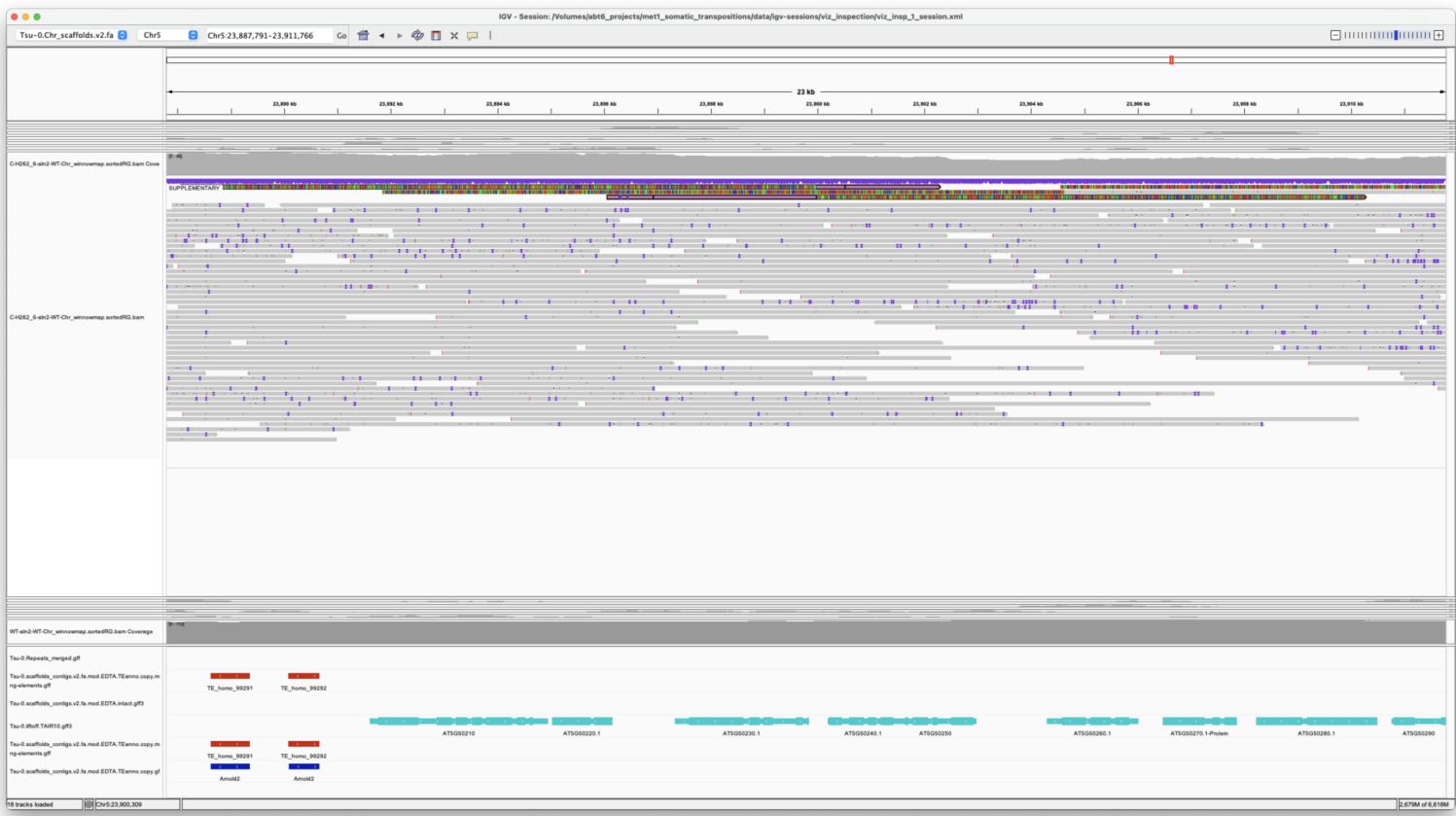
Chr5 22178360 22178360 - 1 Chr5;19152829;19160826;VANDAL21 m64079_221220_112036/156108083/ccs met1_06



Partial

Confirmed

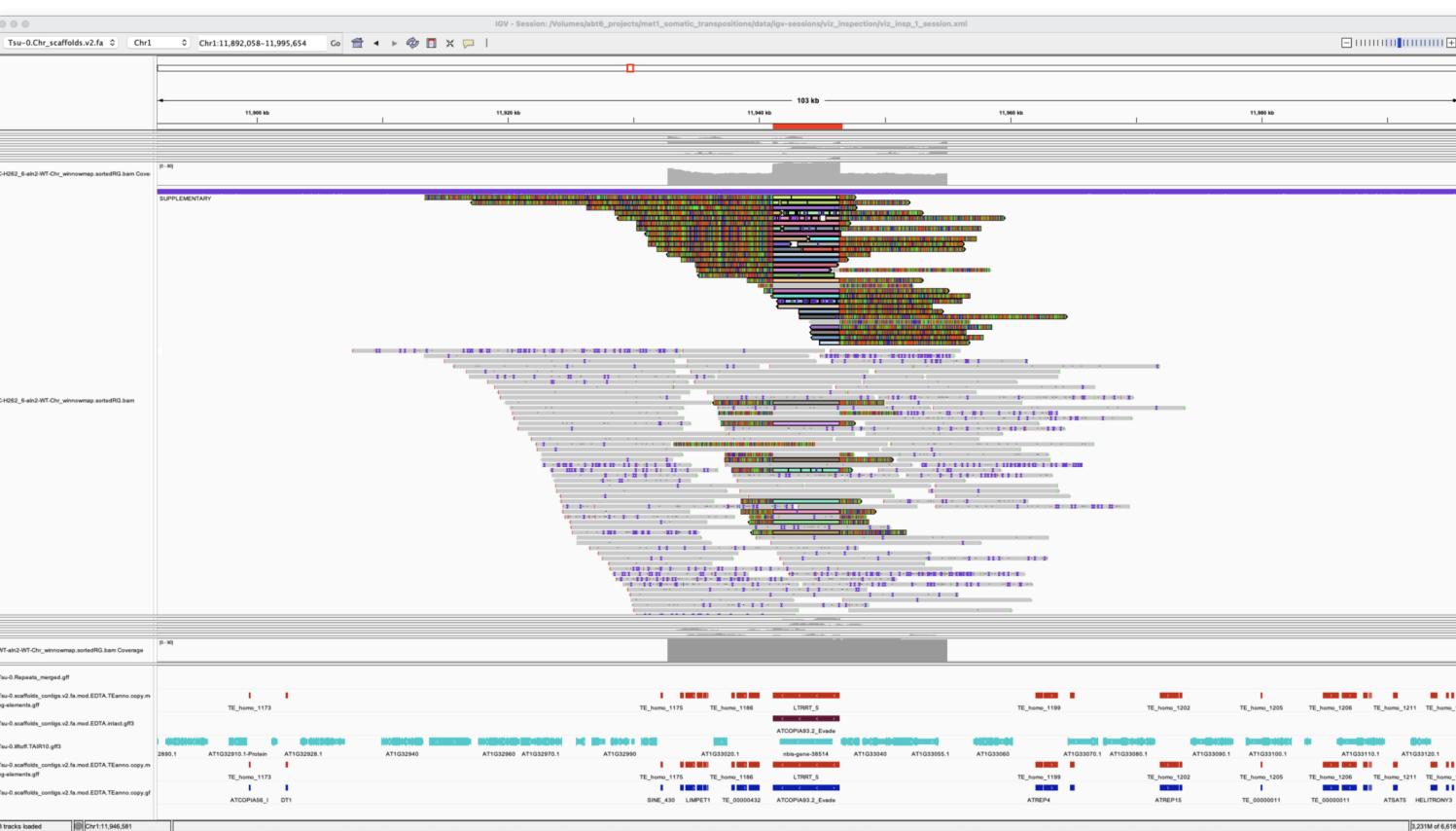
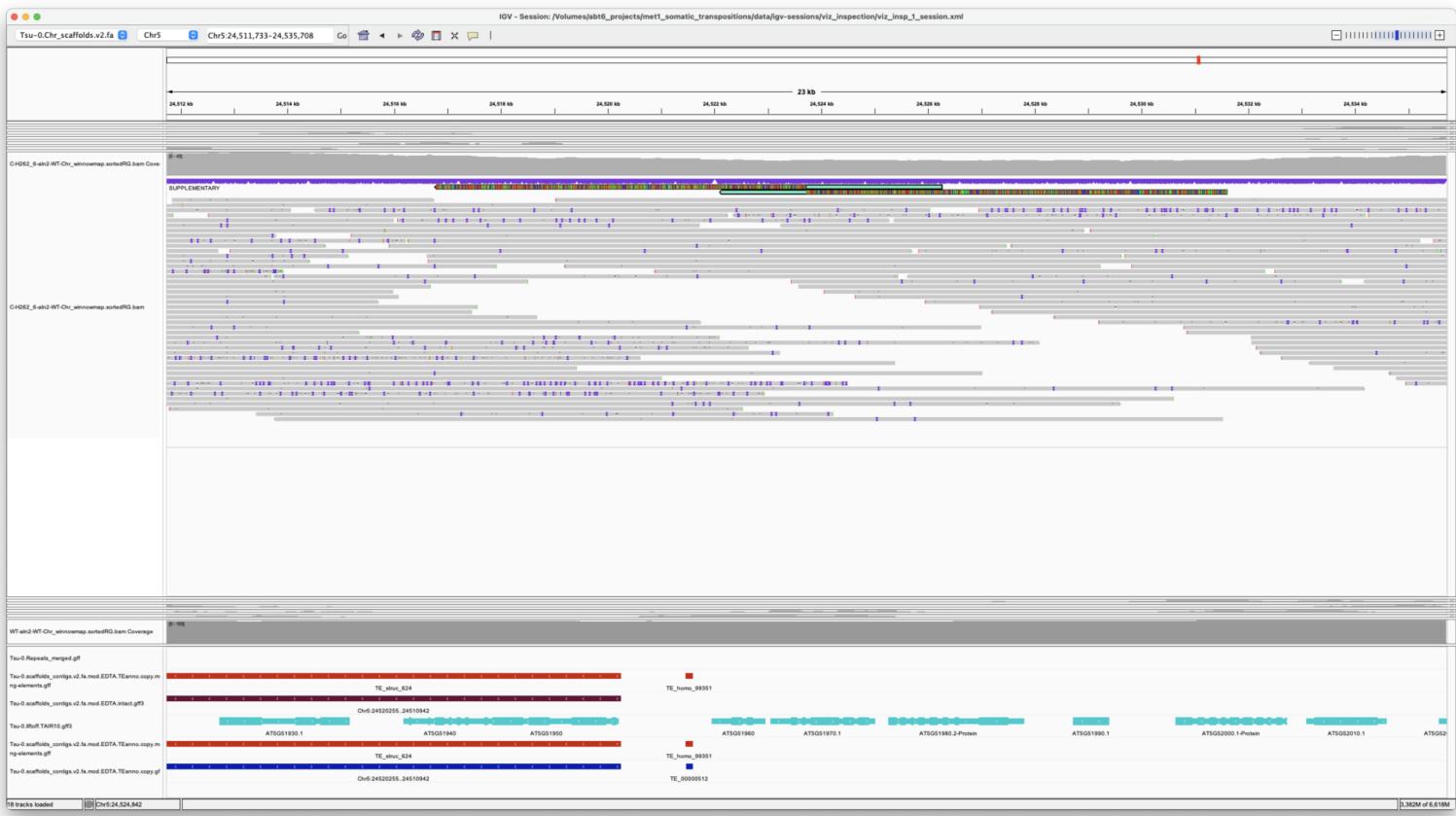
Chr5 23899981 23899981 + 1 Chr3;16344522;16352497;VANDAL6 m64079_221220_112036/49219298/ccs met1_06



Central
TSD

Confirmed

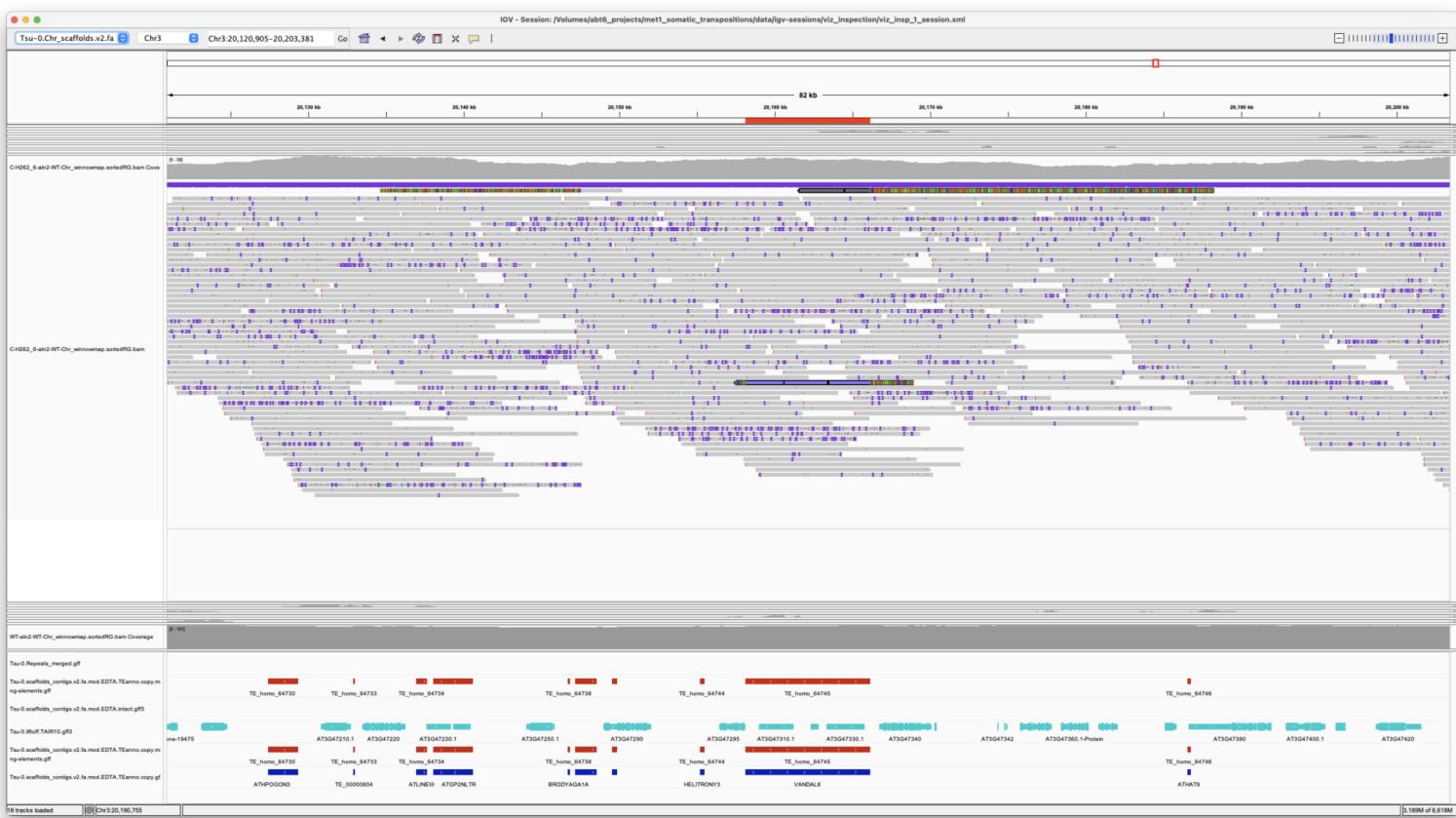
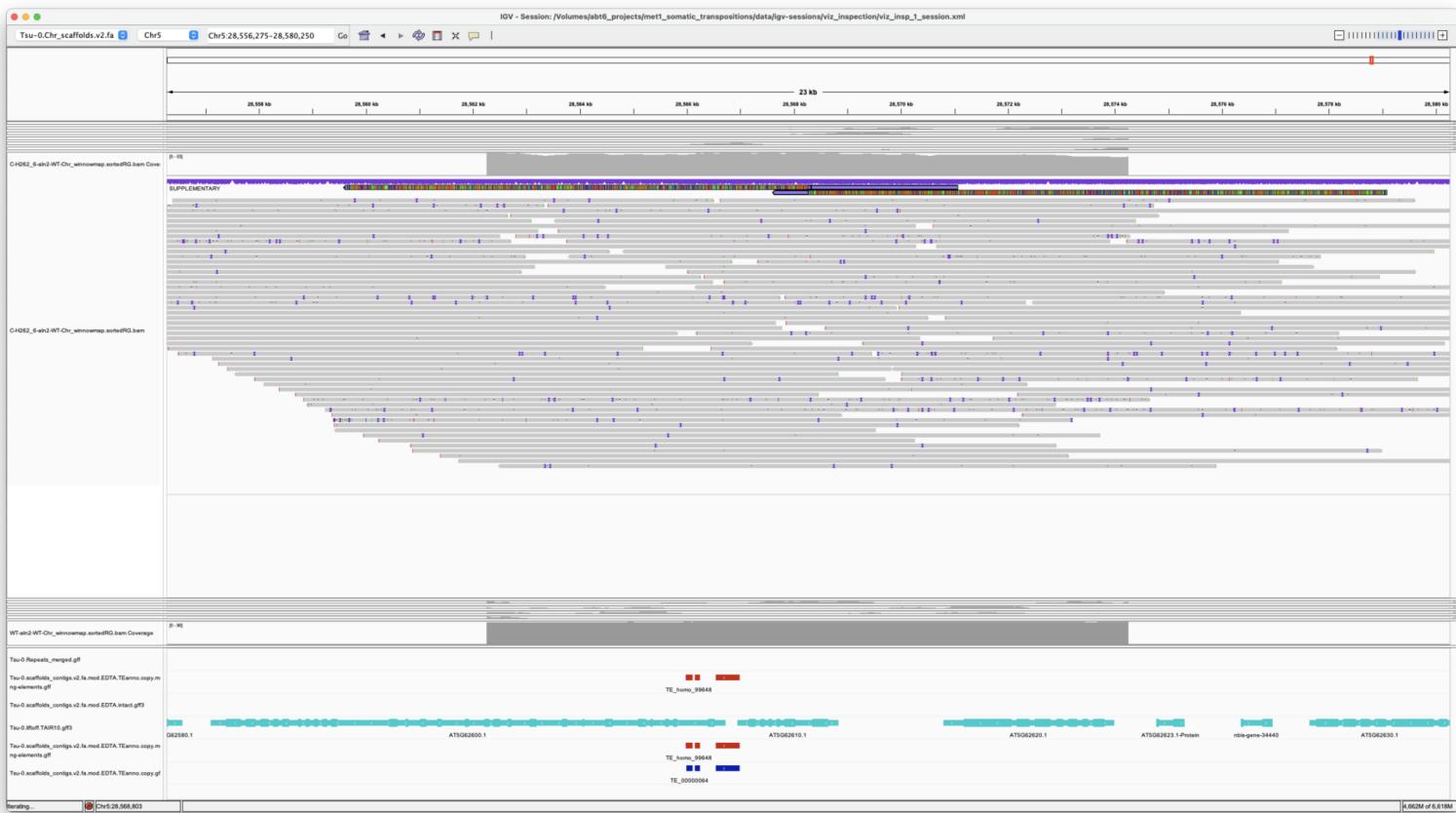
Chr5 24523721 24523721 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/107283444/ccs met1_06



Central
TSD

Confirmed

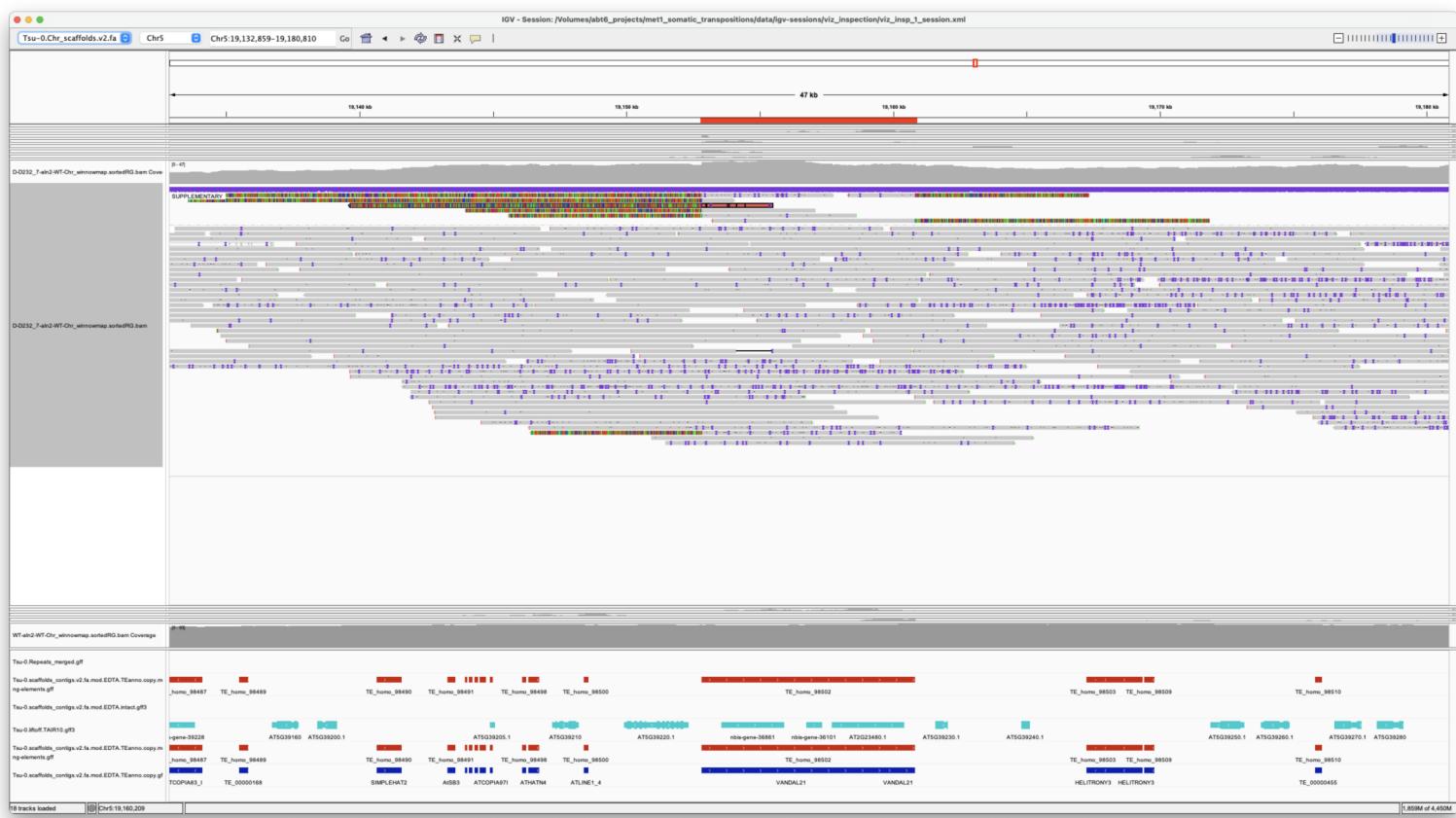
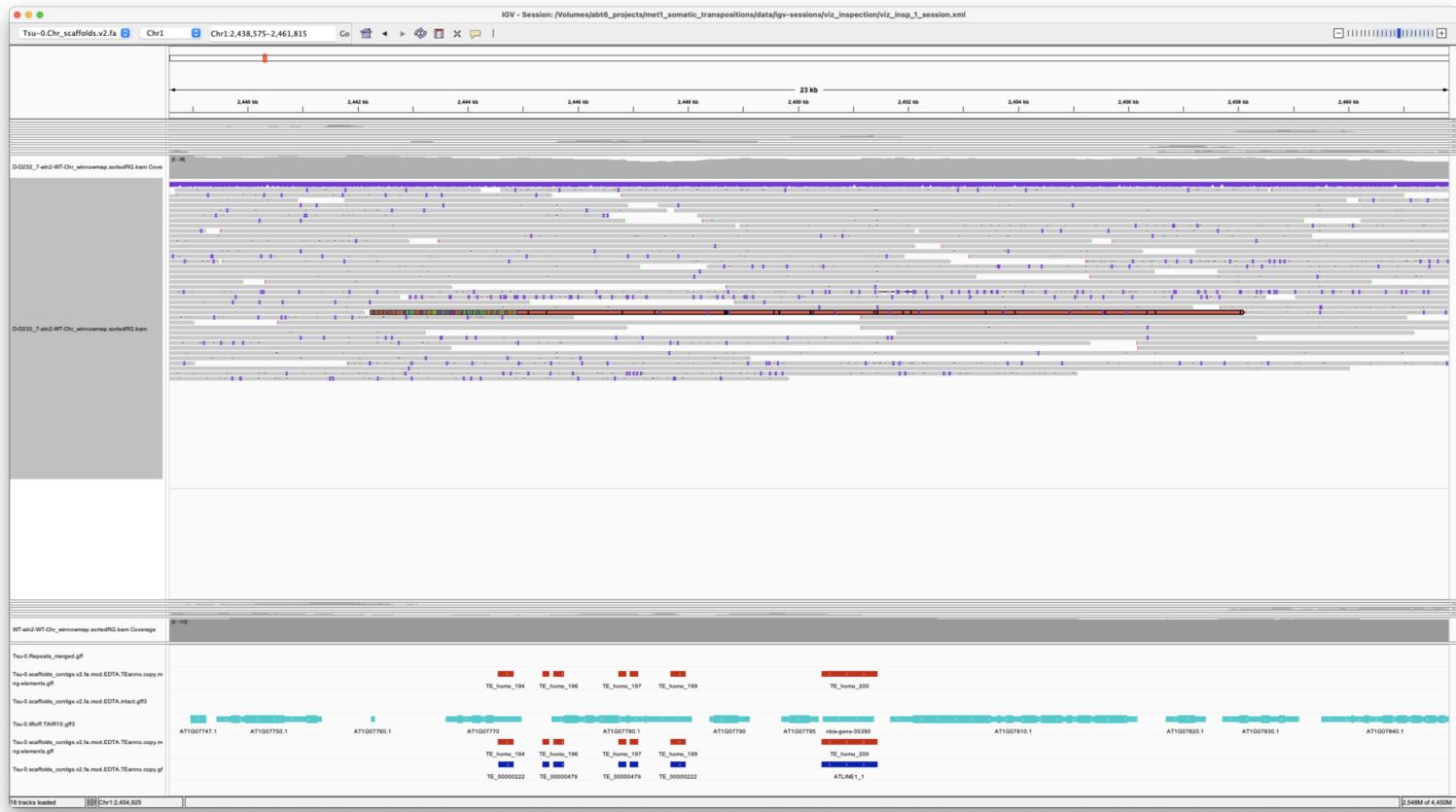
Chr5 28568264 28568264 + 1 Chr3;20158137;20166150;VANDAL6 m64079_240212_113350/167511582/ccs met1_06



Central
TSD

Confirmed

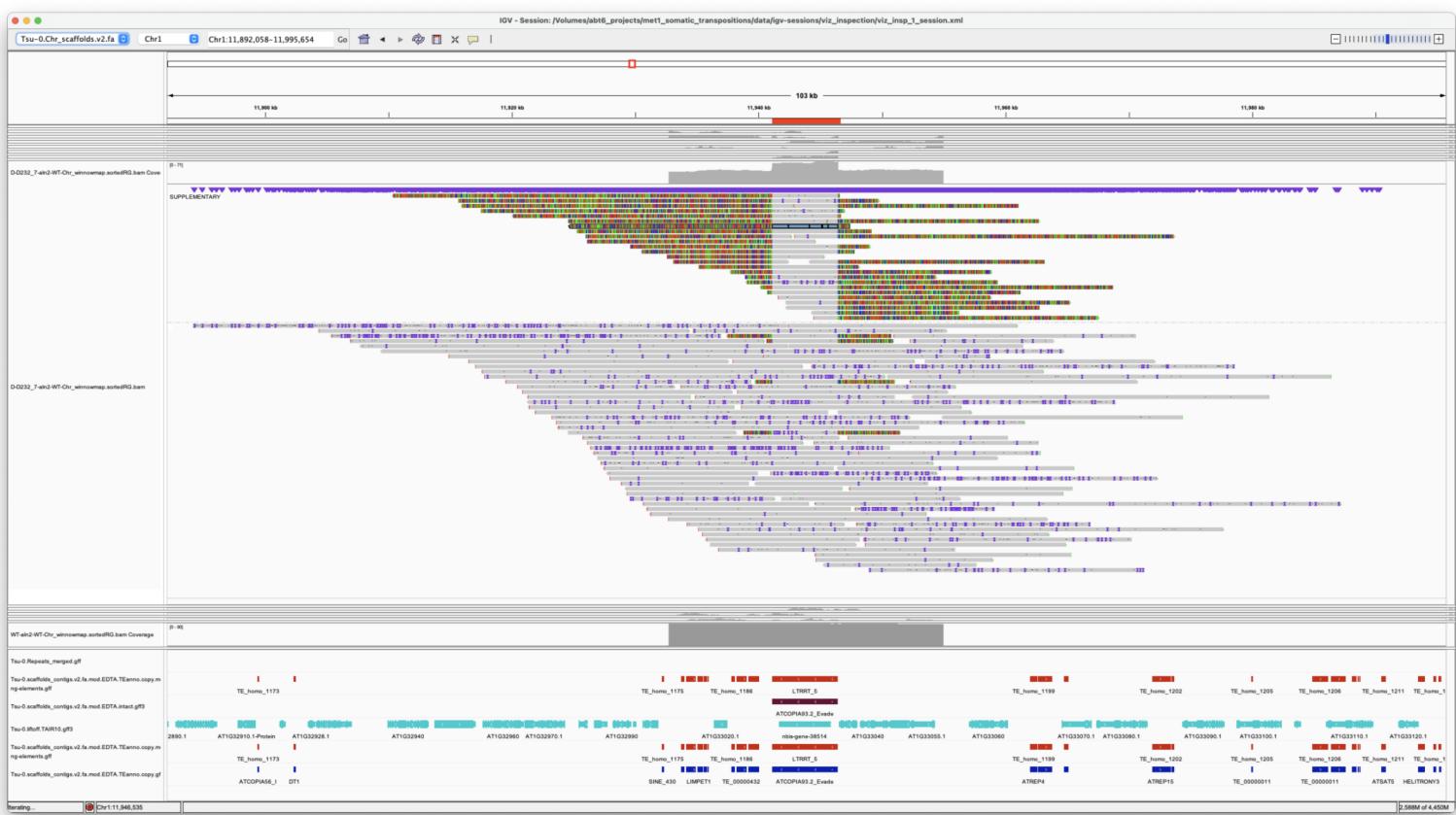
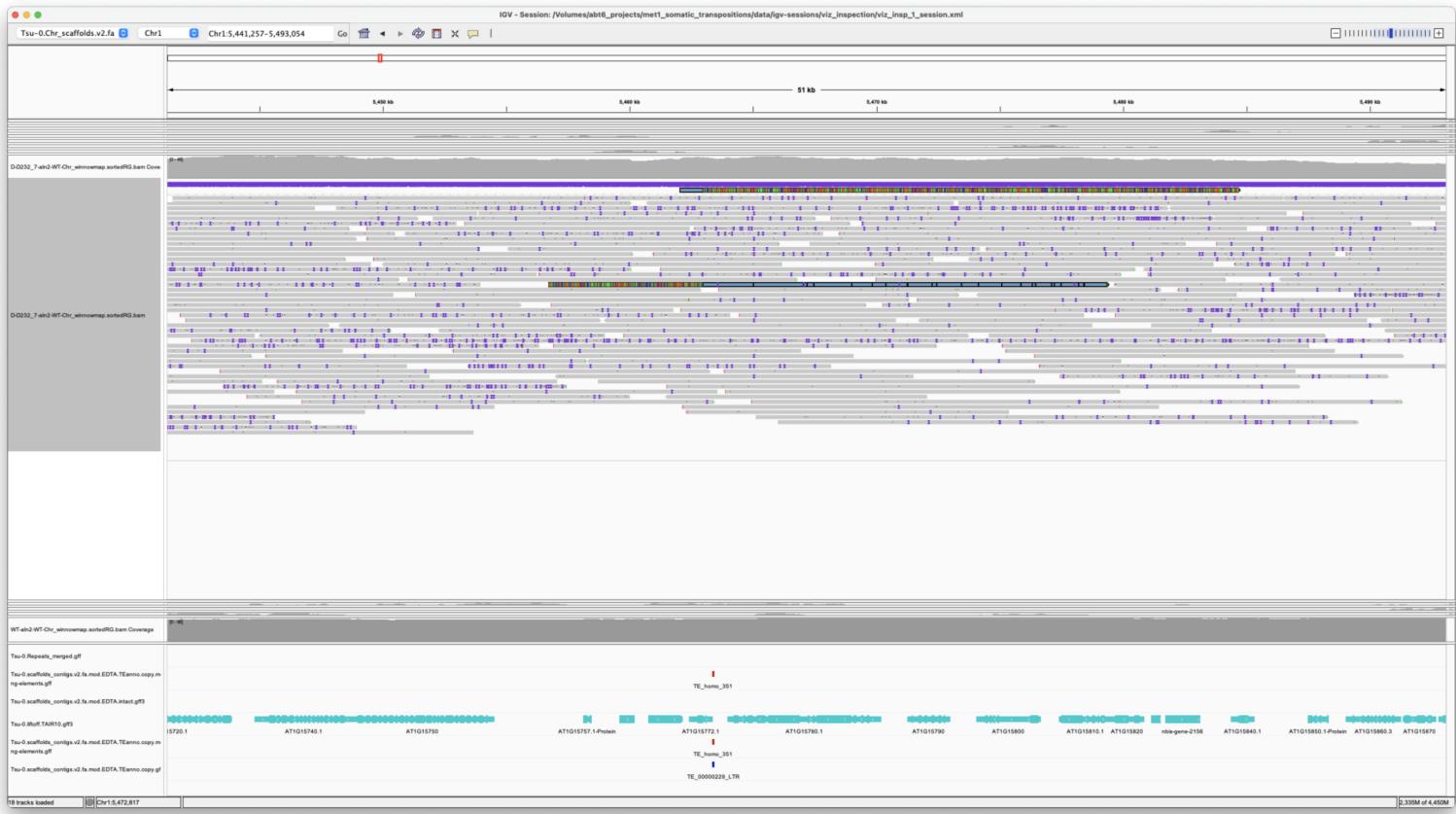
met1_07



Partial

Confirmed

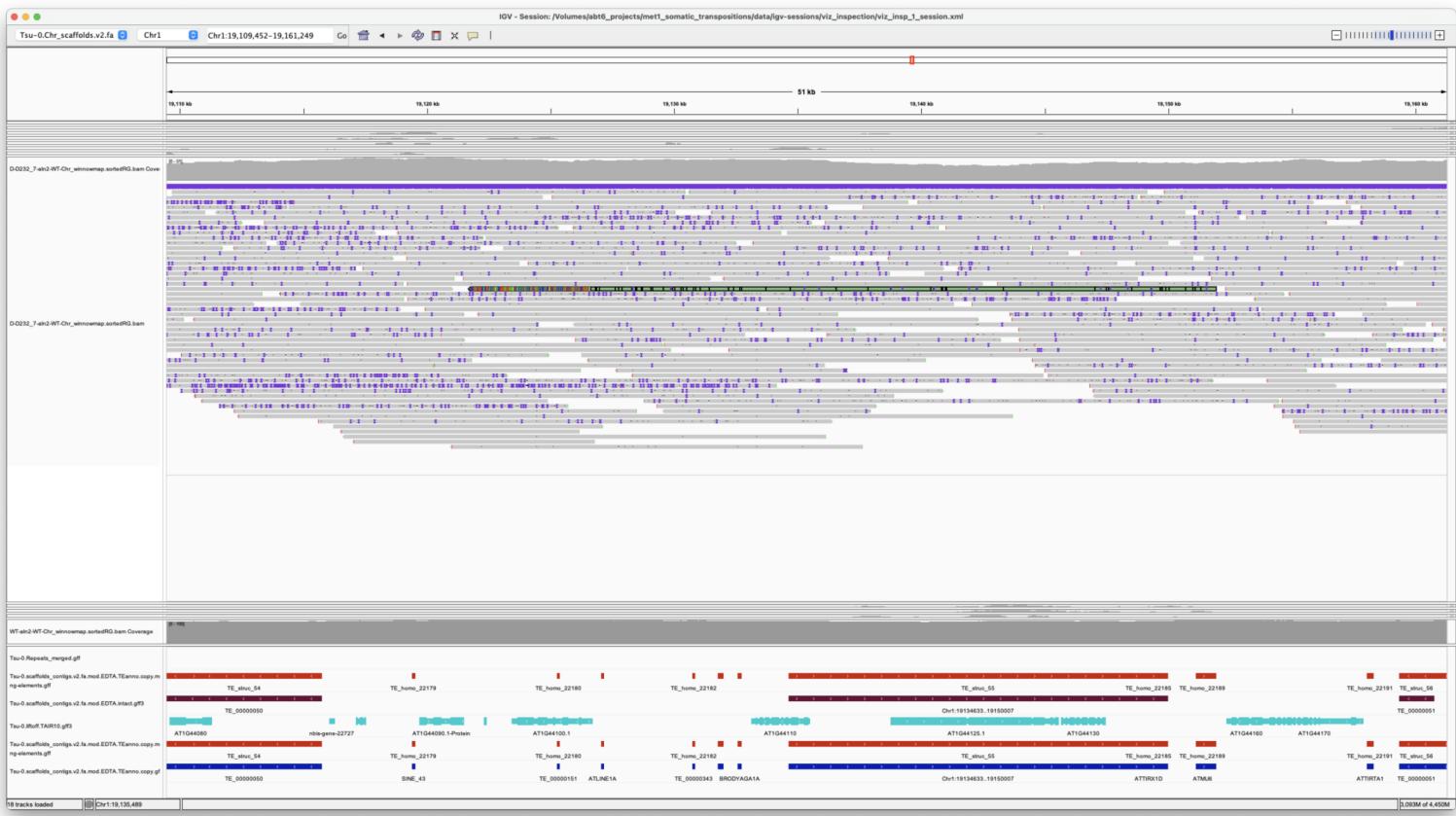
Chr1 5462985 5462985 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/159187683/ccs met1_07



Central
TSD

Confirmed

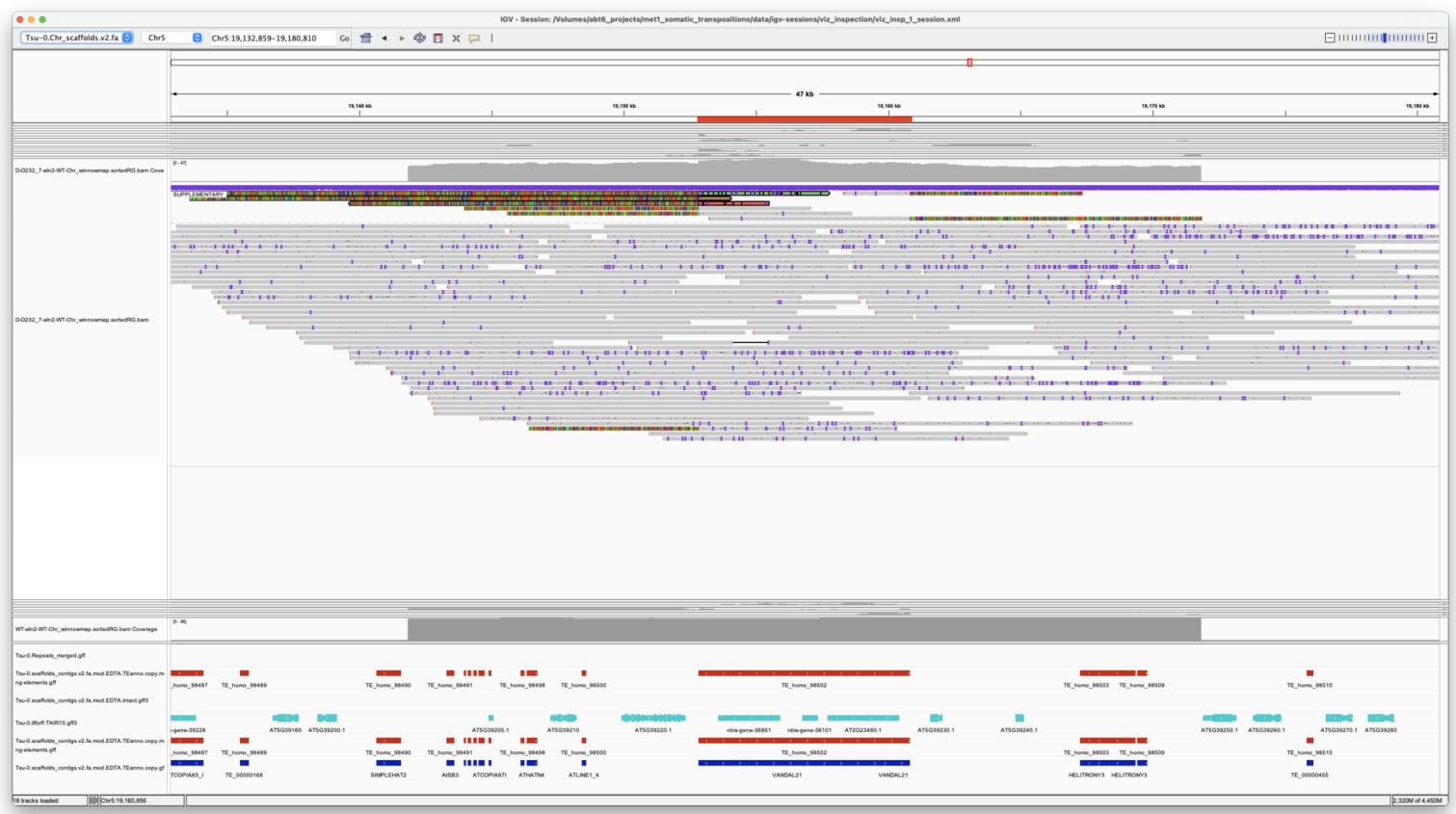
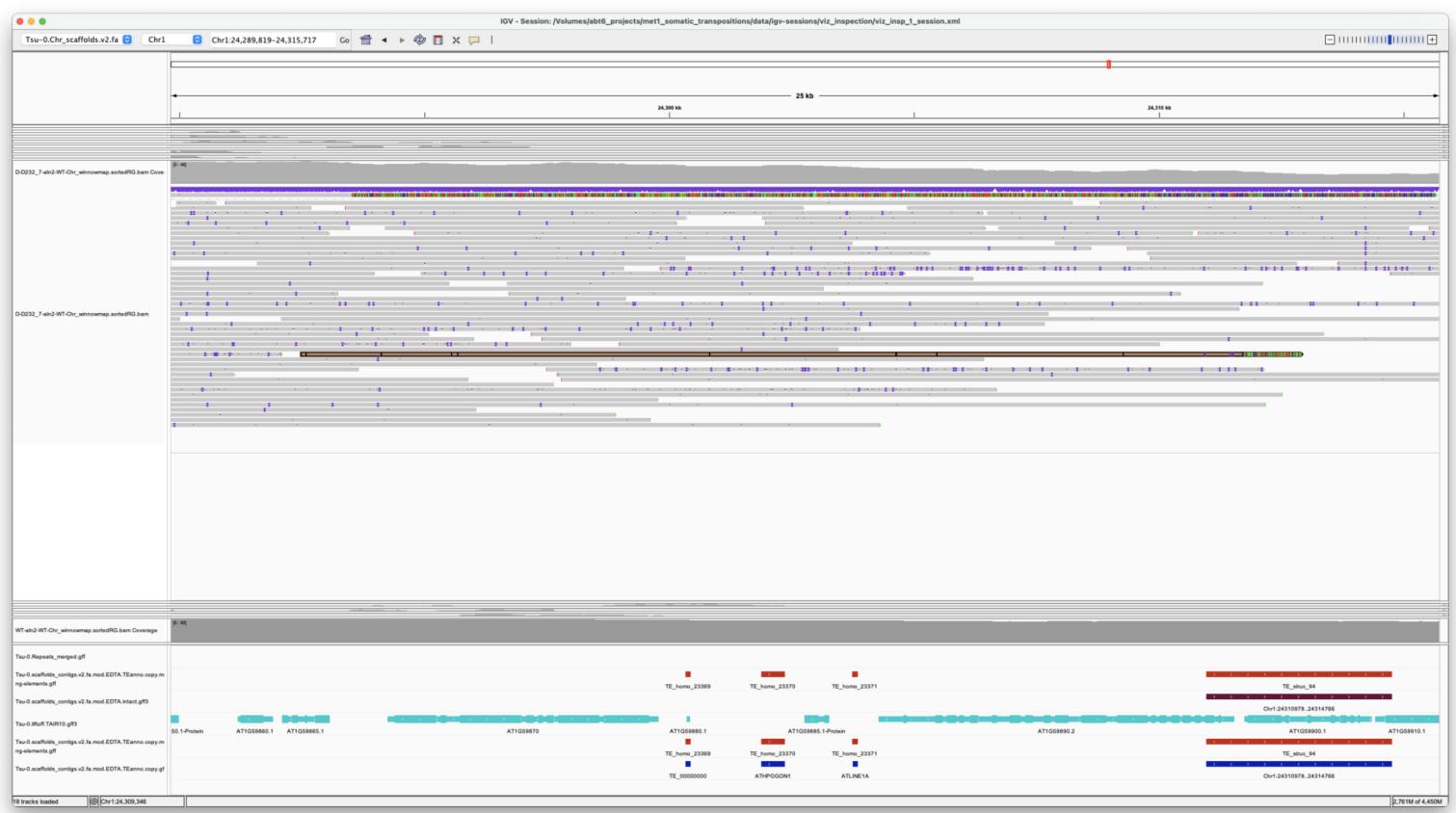
Chr1 19126631 19126631 - 1 Chr5;19152829;19160826;VANDAL21 m64079_240212_113350/124257824/ccs met1



Partial

Confirmed

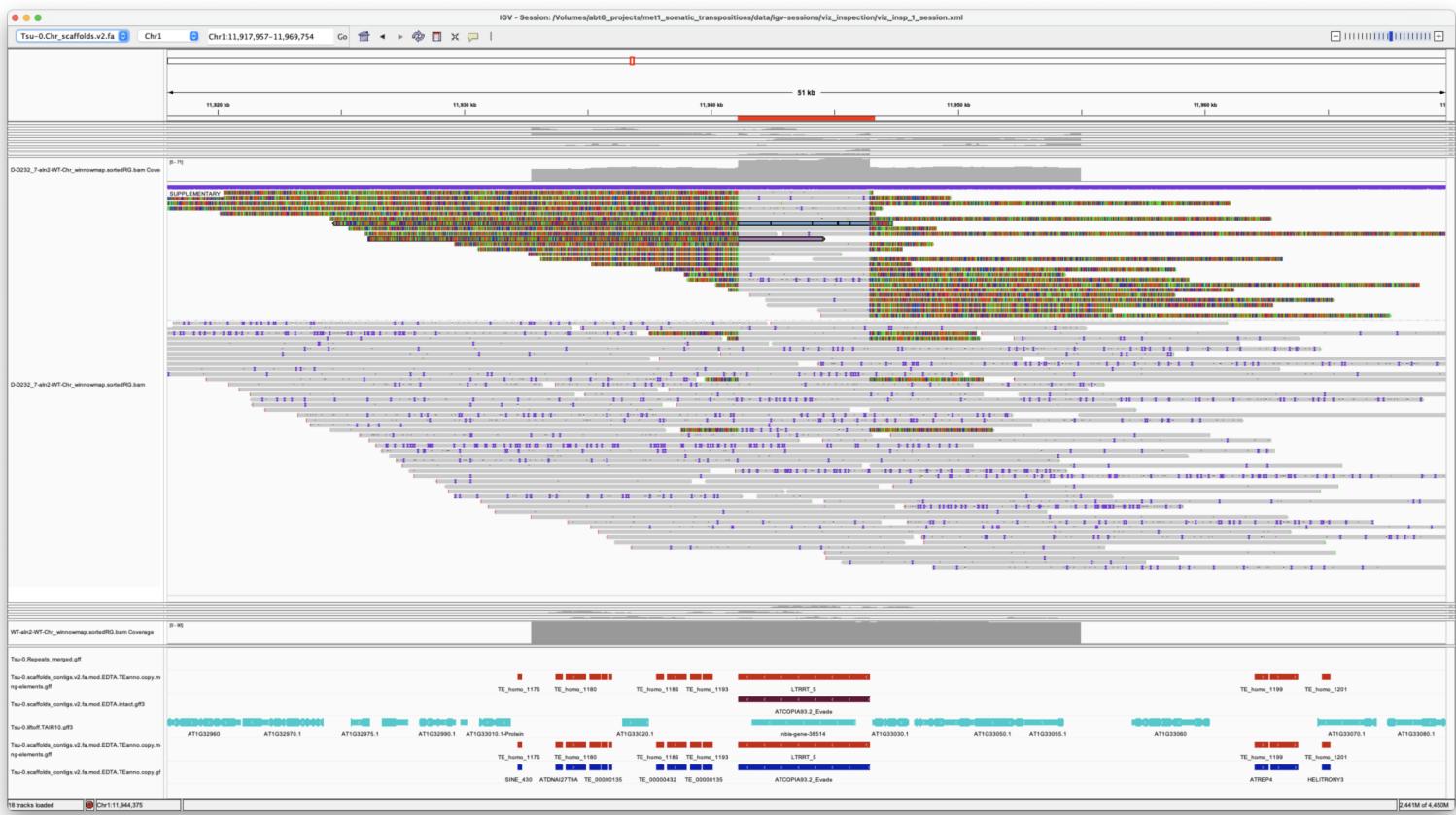
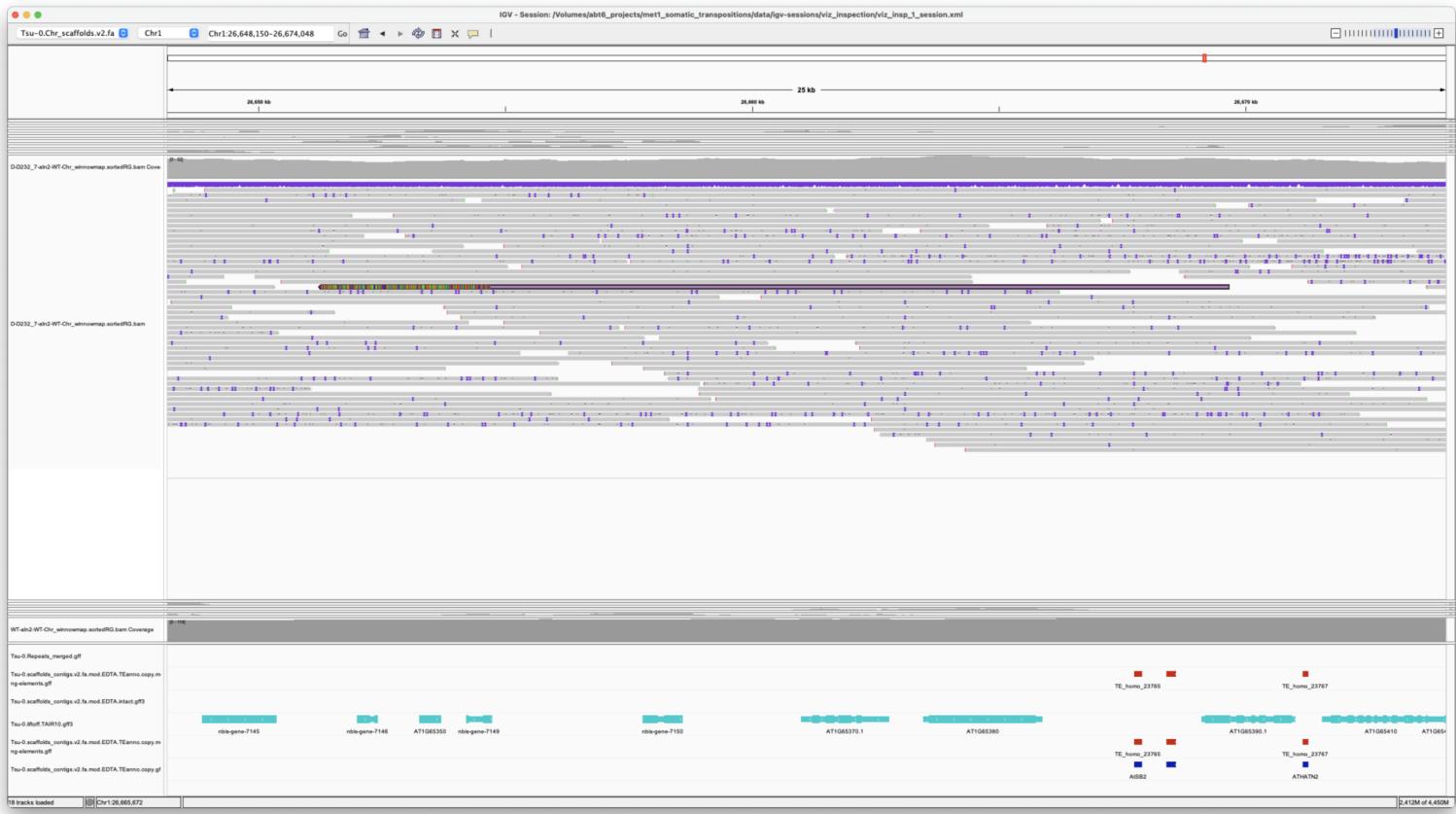
Chr1 24311719 24311719 + 1 Chr5:19152829;19160826;VANDAL21 m64079_240212_113350/139854094/ccs met1_07



Partial

Confirmed

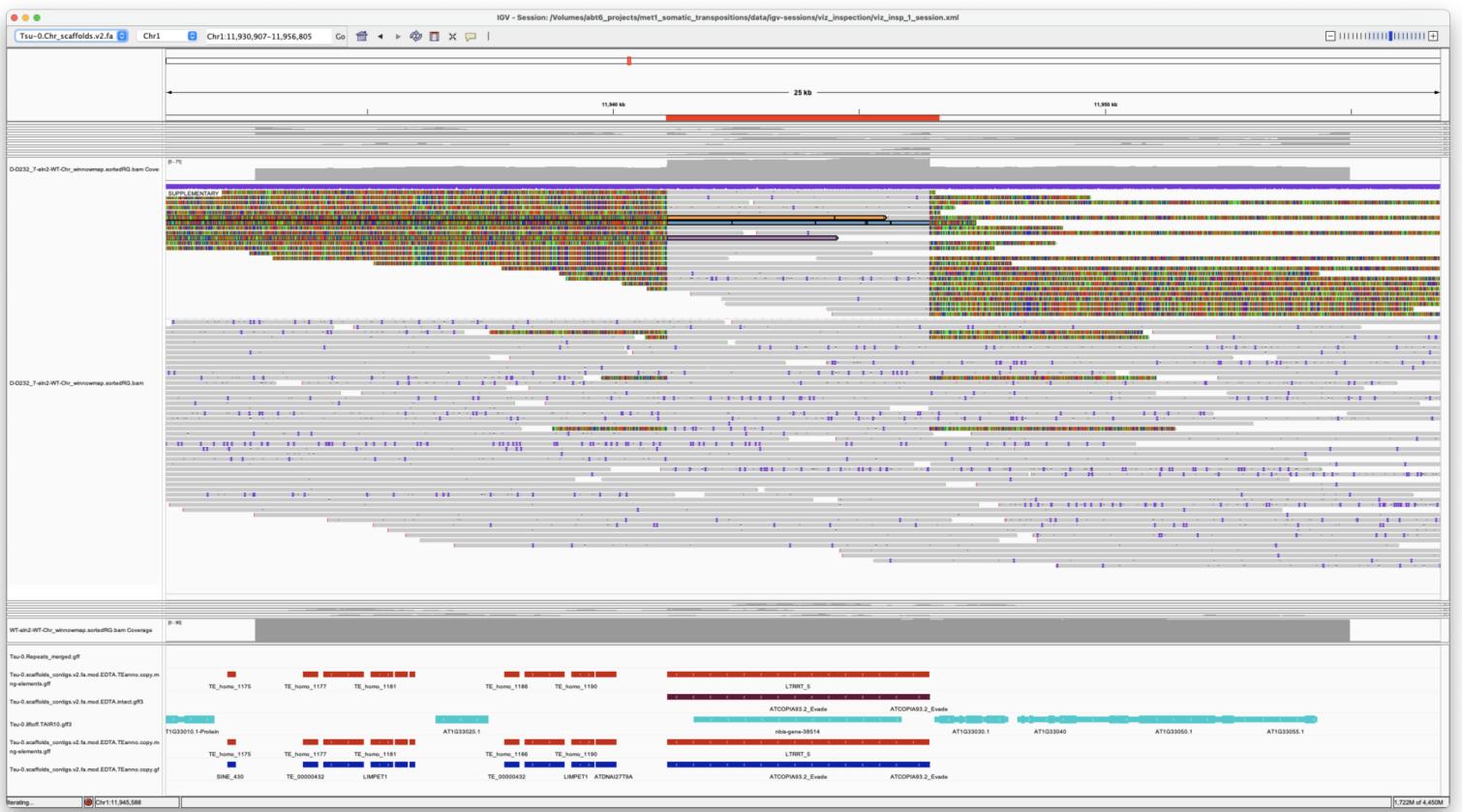
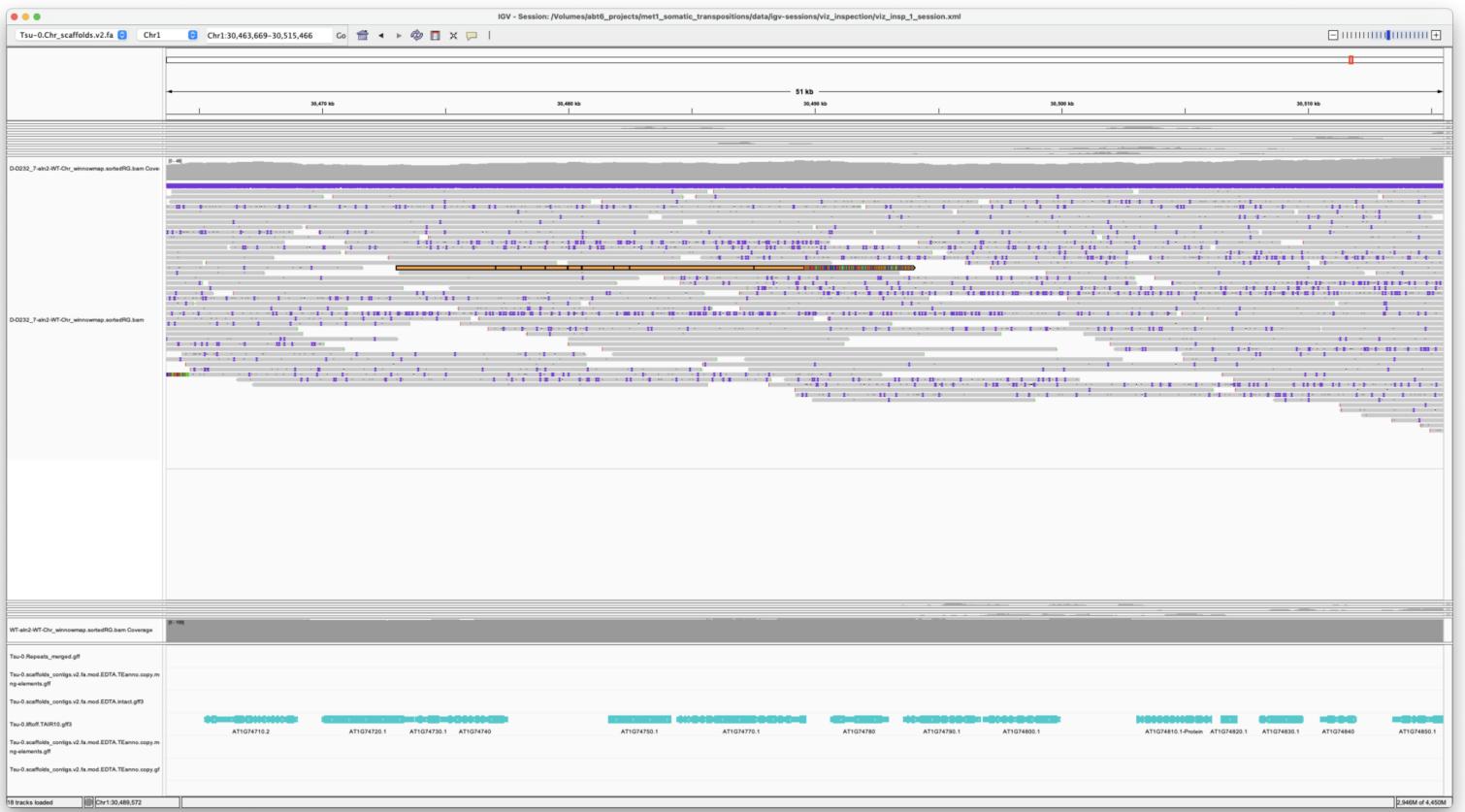
Chr1 26654694 26654694 - 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/12847280/ccs met1_07



Partial

Confirmed

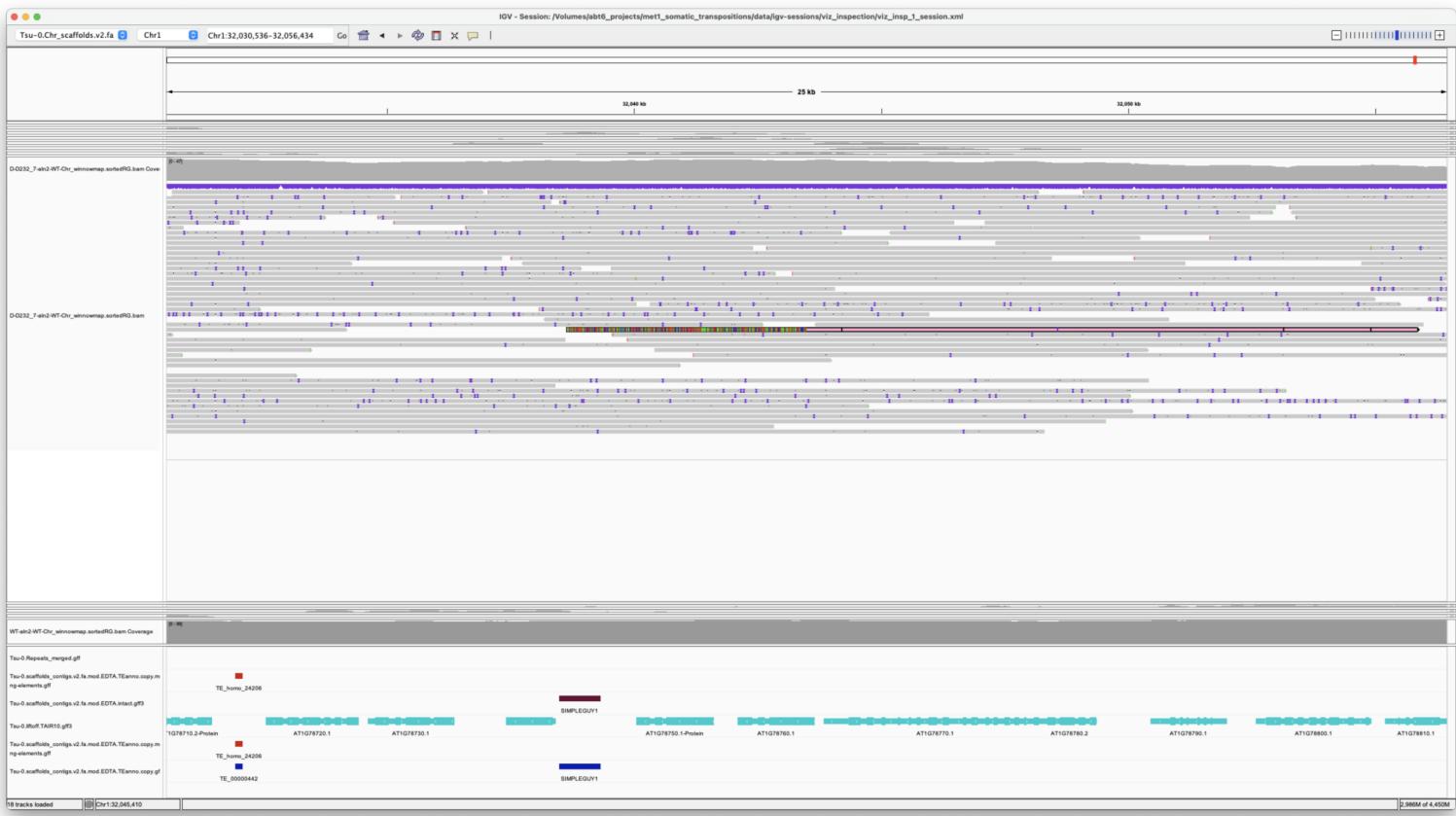
Chr1 30489568 30489568 + 1 Chr1:11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/176161312/ccs met1_07



Partial

Confirmed

Chr1 32043486 32043486 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/5572078/ccs met1_07



Partial

Confirmed

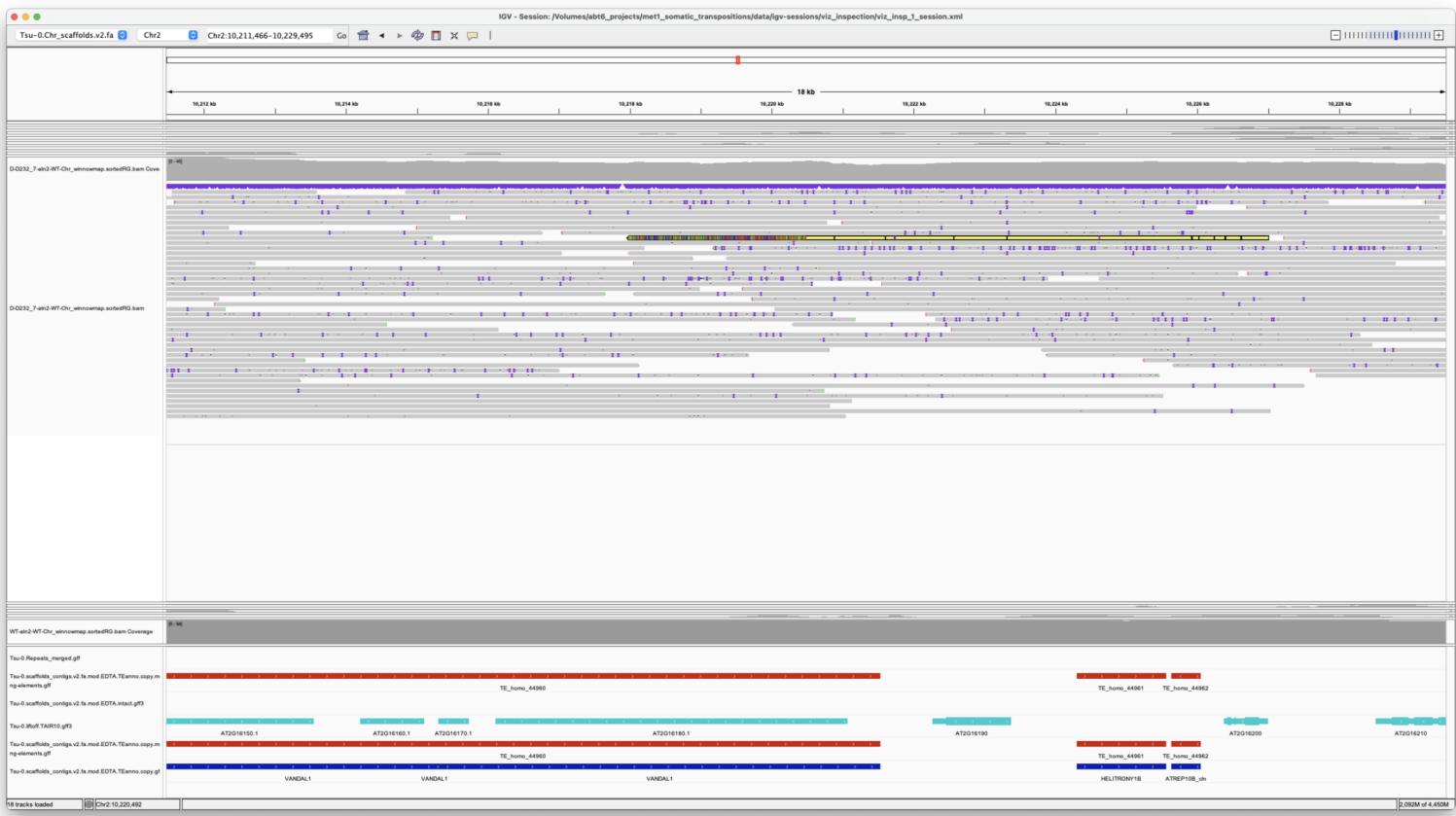


Centromeric Athila

Partial

Confirmed

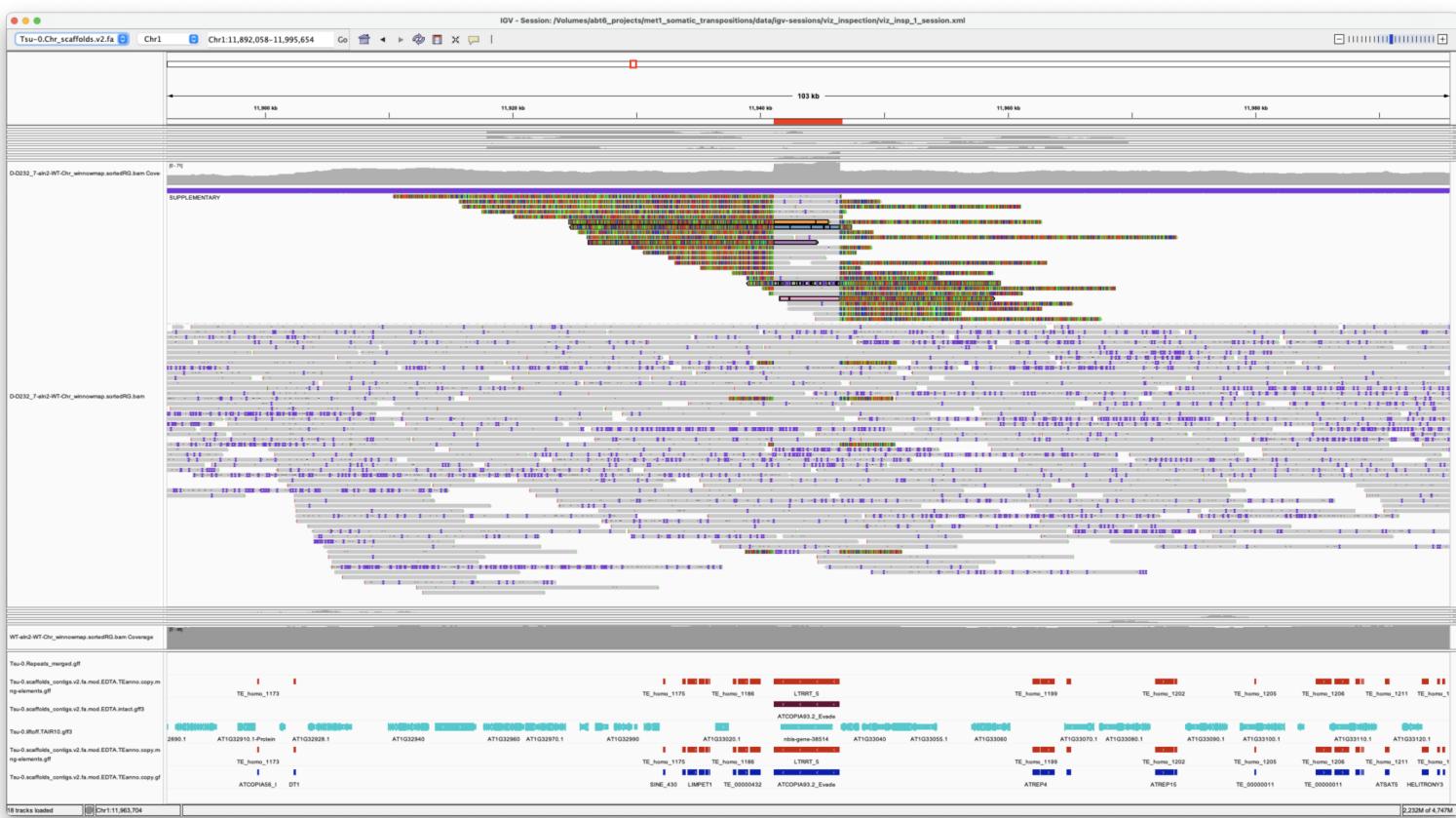
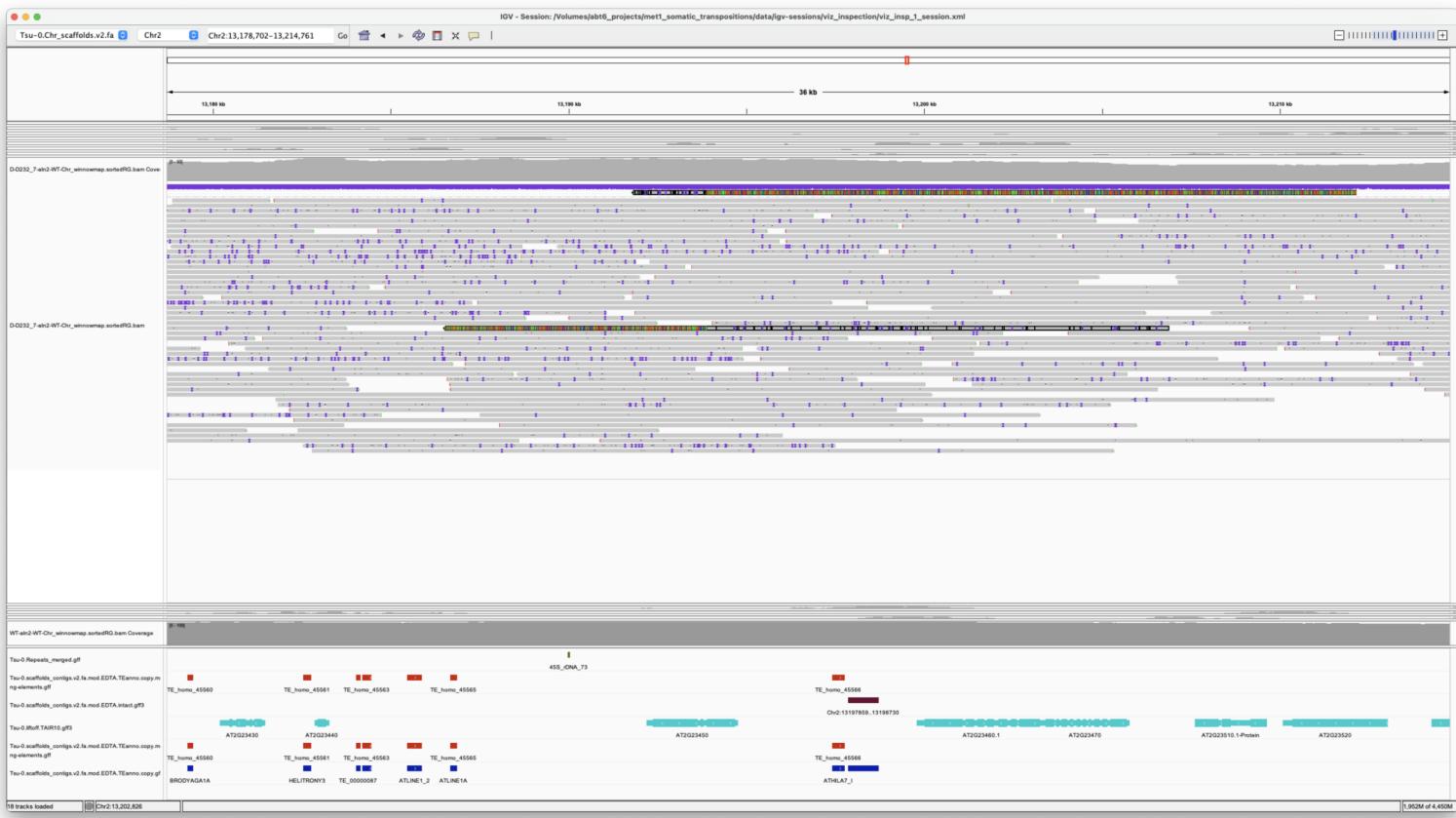
Chr2 10220481 10220481 + 1 Chr5:19152829;19160826;VANDAL21 m64079_240212_113350/9570703/ccs met1_07



Partial

Confirmed

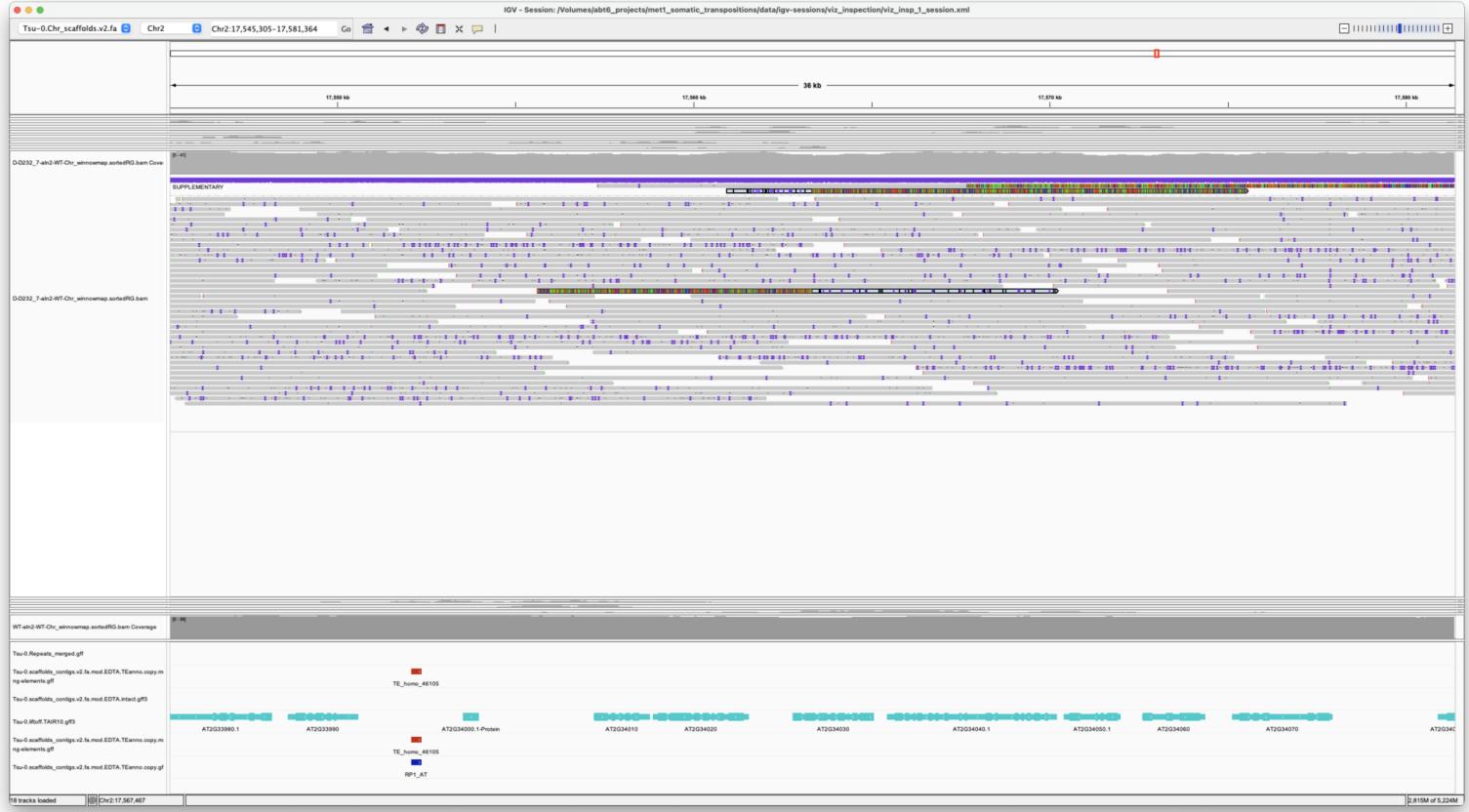
Chr2 13193892 13193892 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/97584457/ccs met1_07



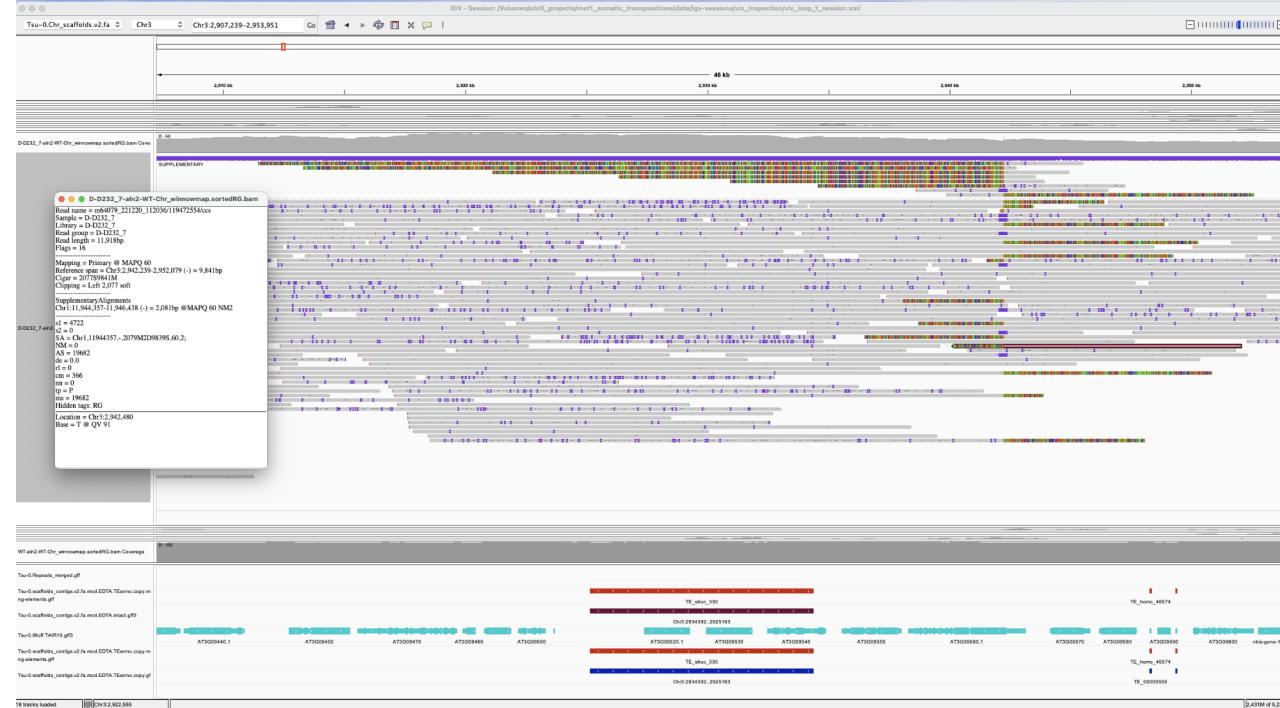
Central
TSD

Confirmed

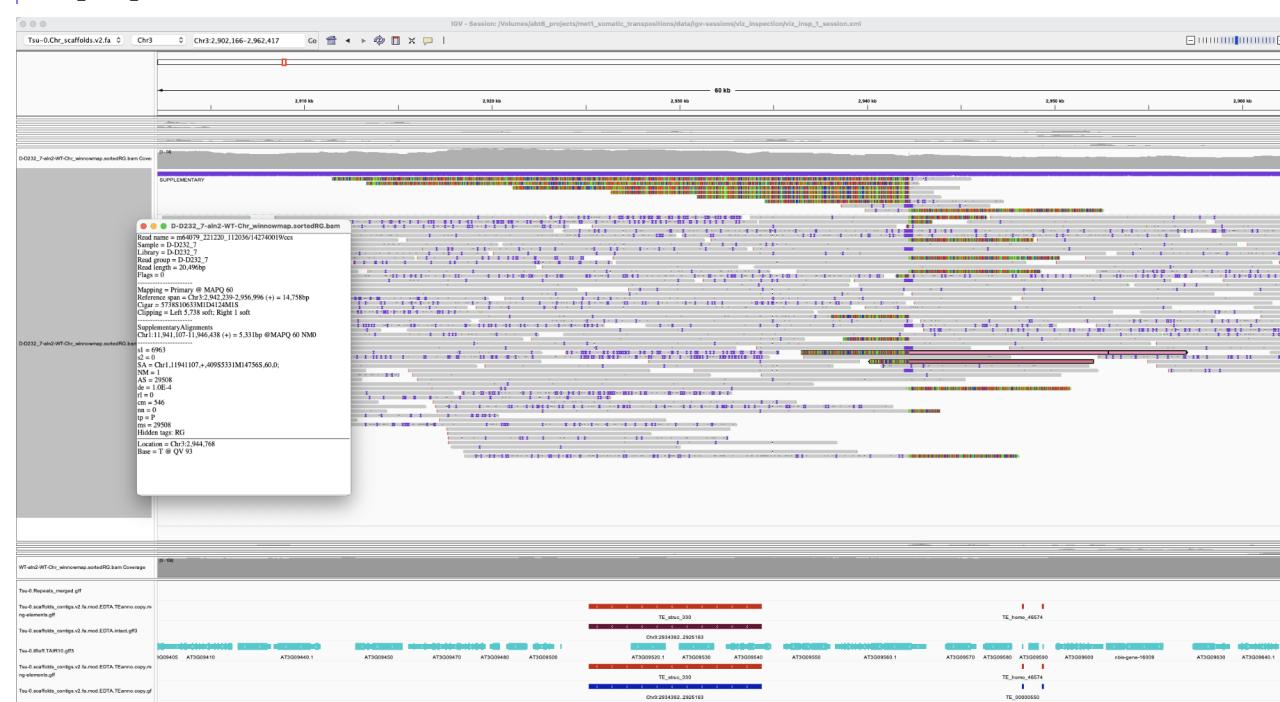
Chr2 17563335 17563335 + 1 Chr5;21419693;21425022;ATCOPIA93_Evade m64079_221220_112036/82577985/ccs met1_07



Confirmed

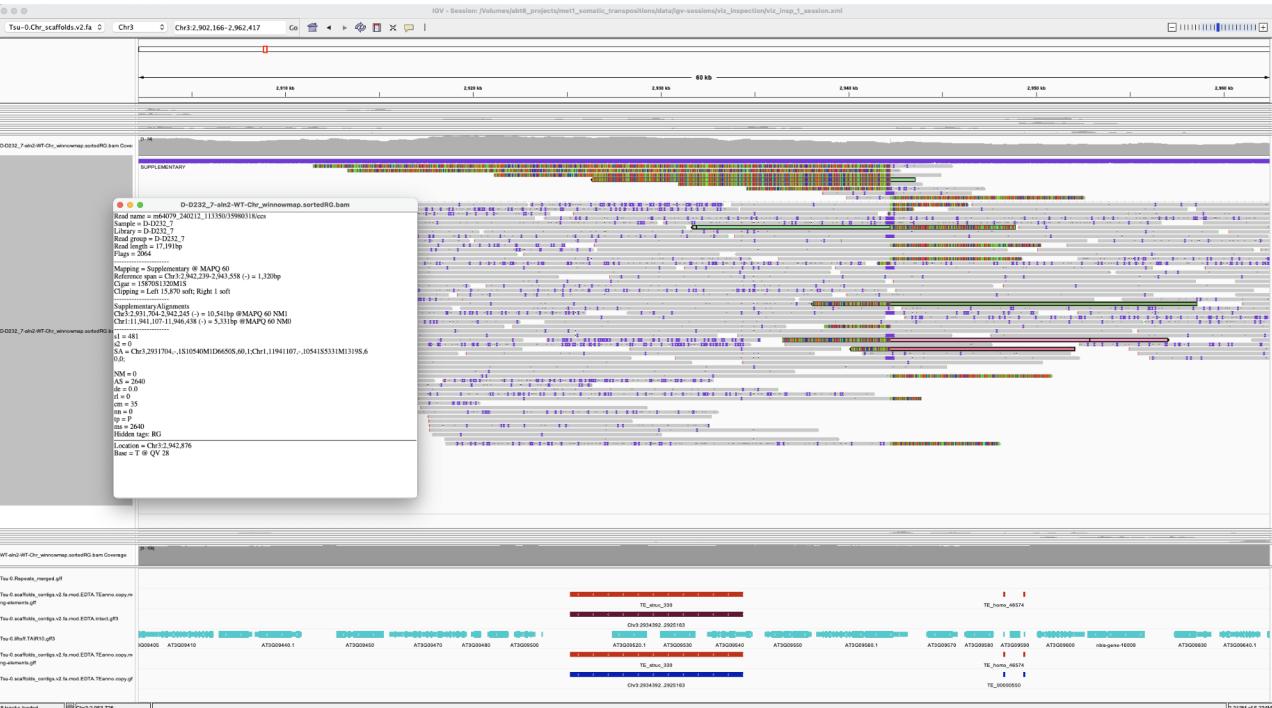


m64079 221220 112036/142740019/ccs

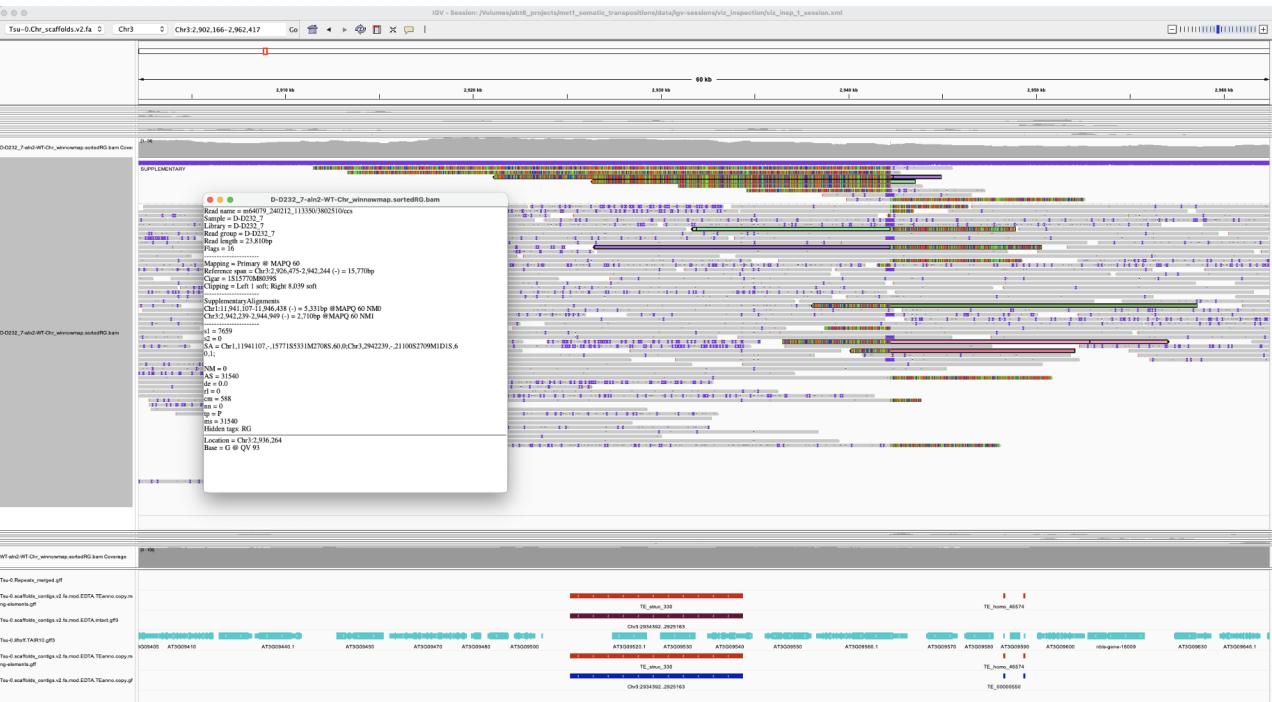


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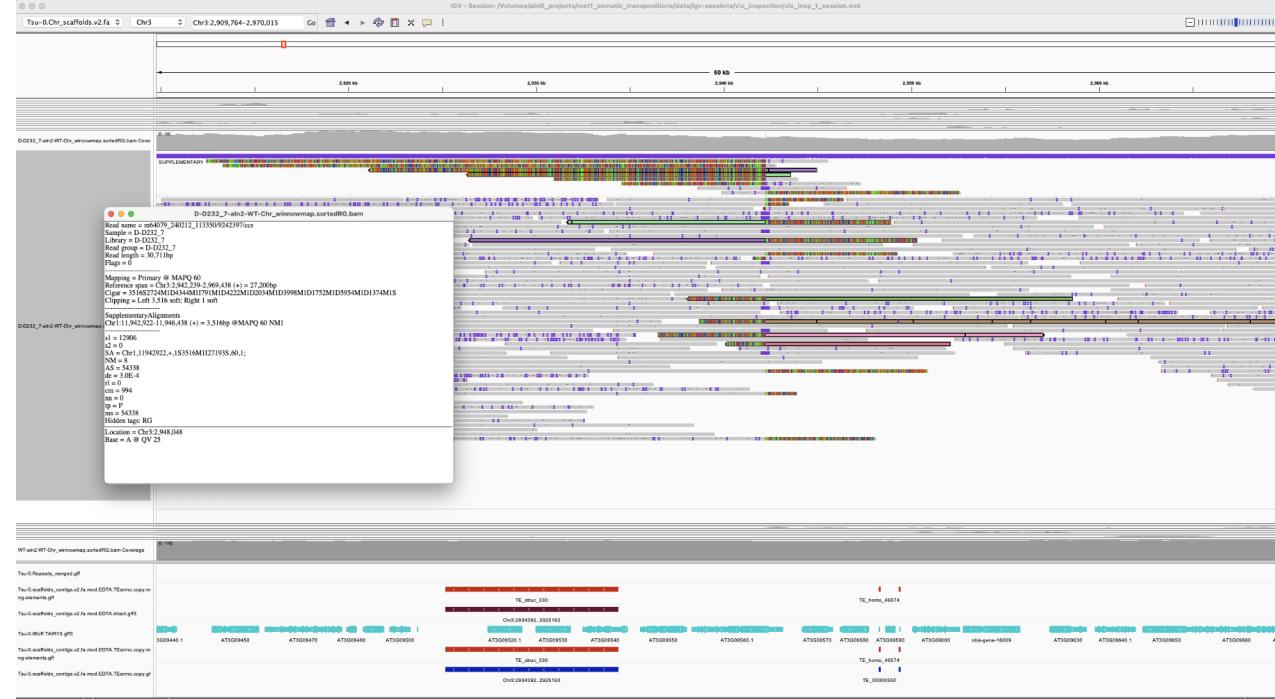
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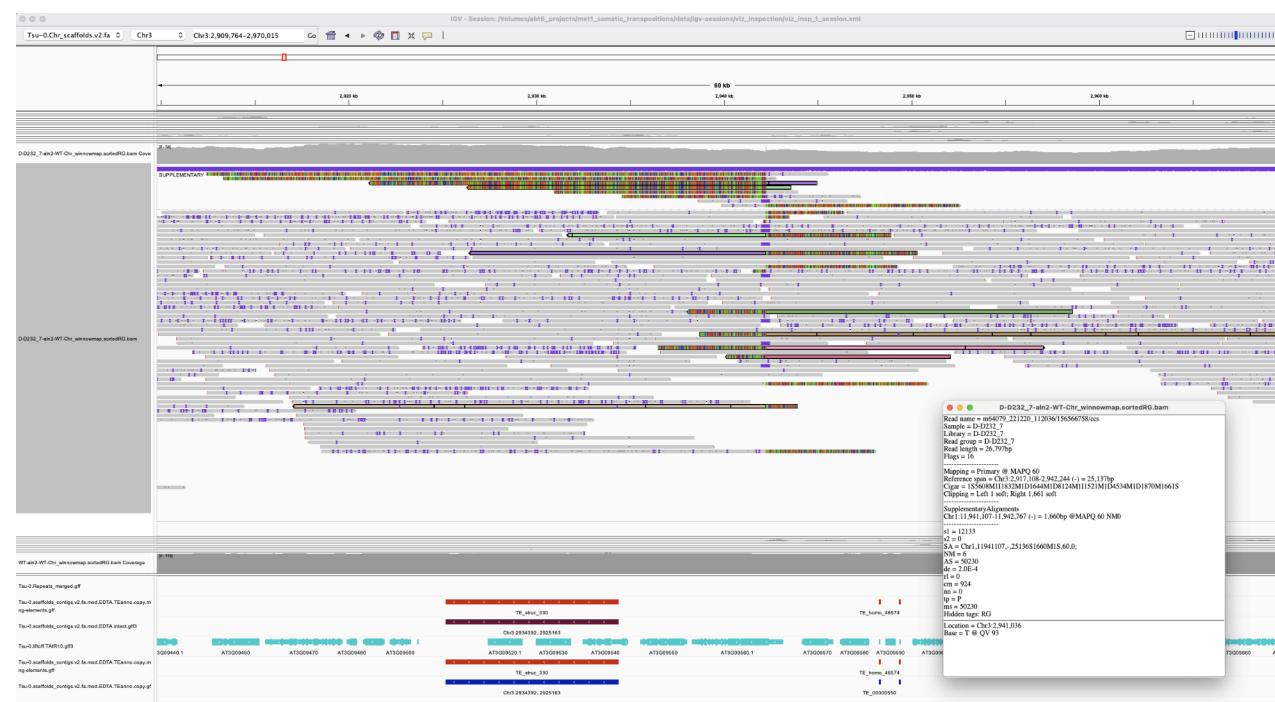
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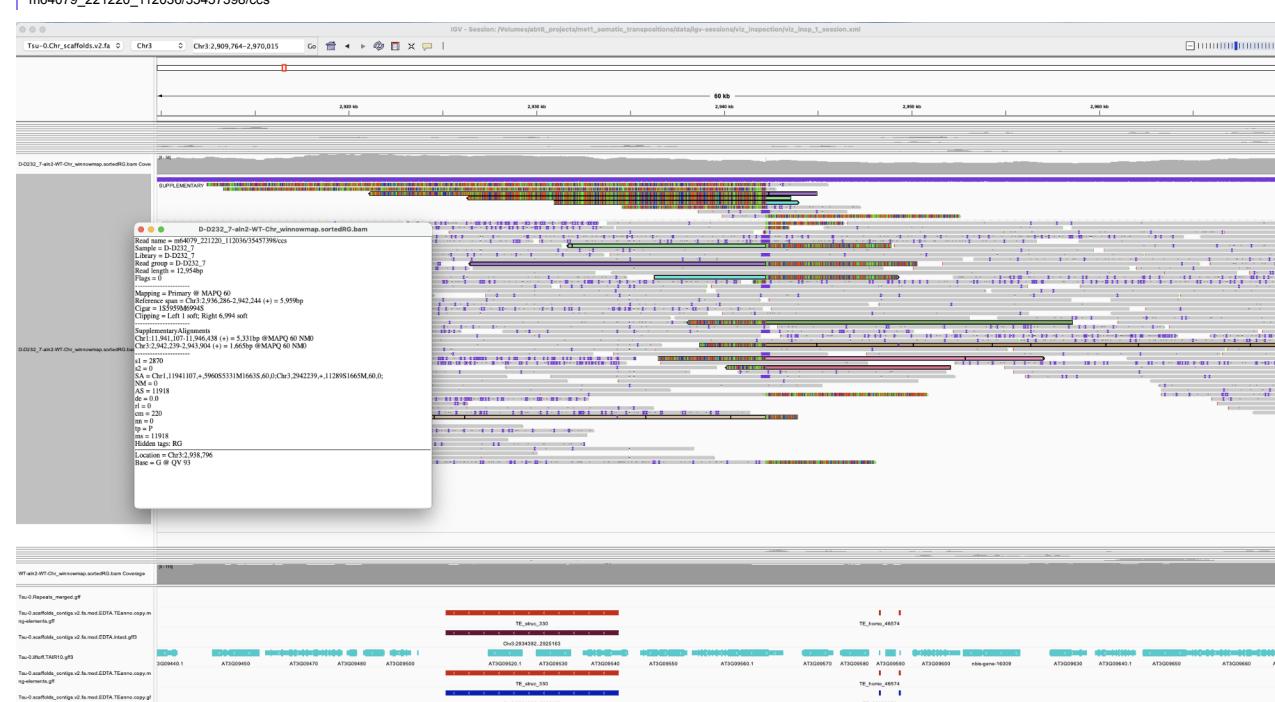
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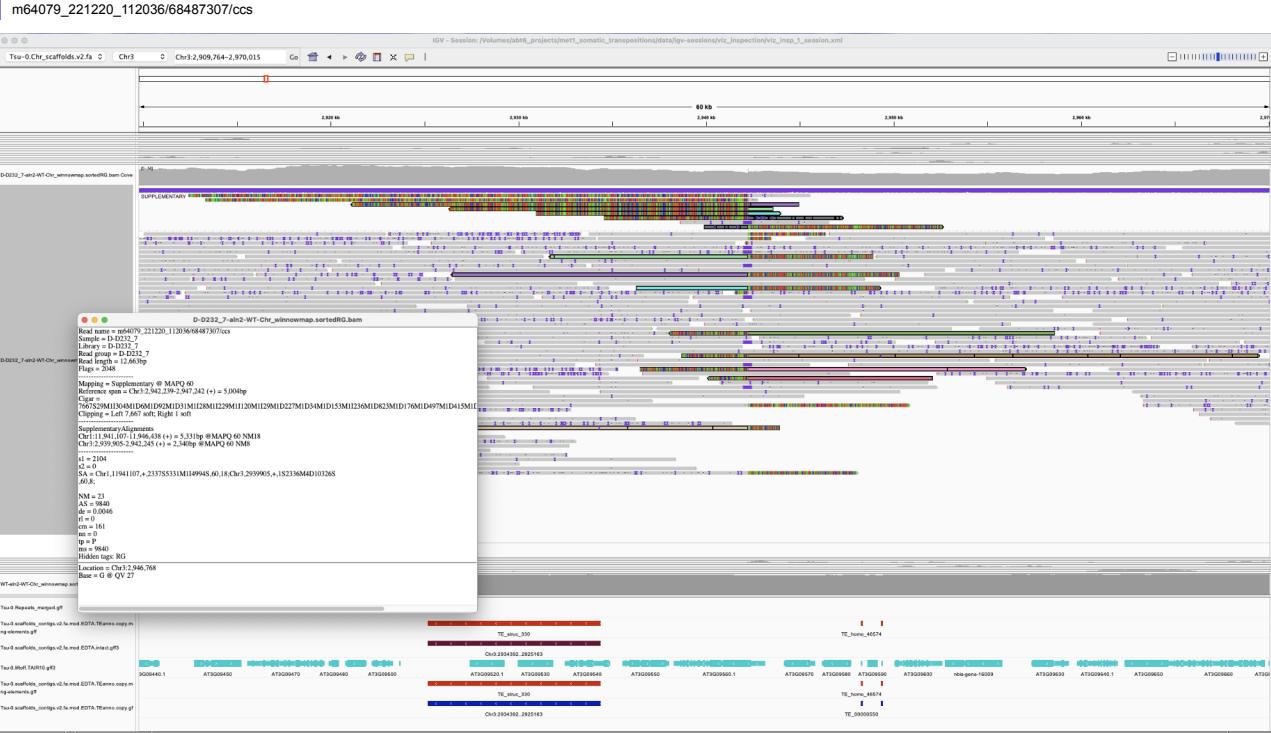


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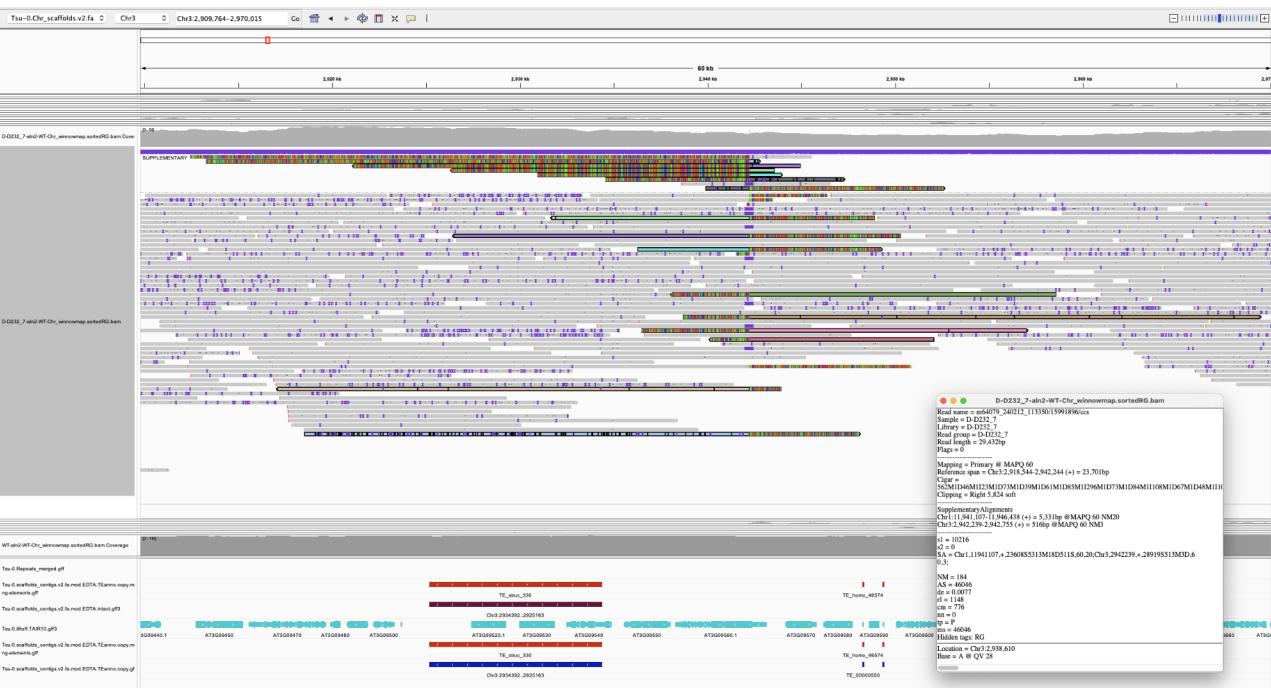


tracks loaded | Chr32,949,487 |

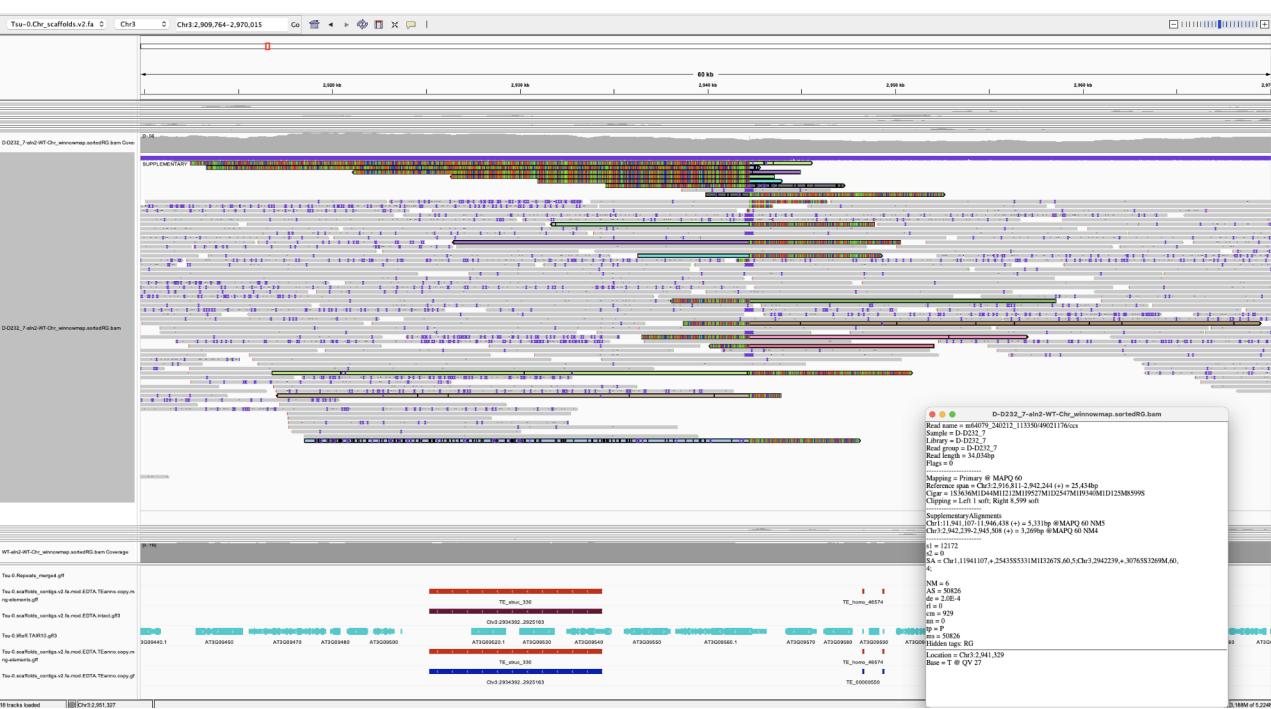




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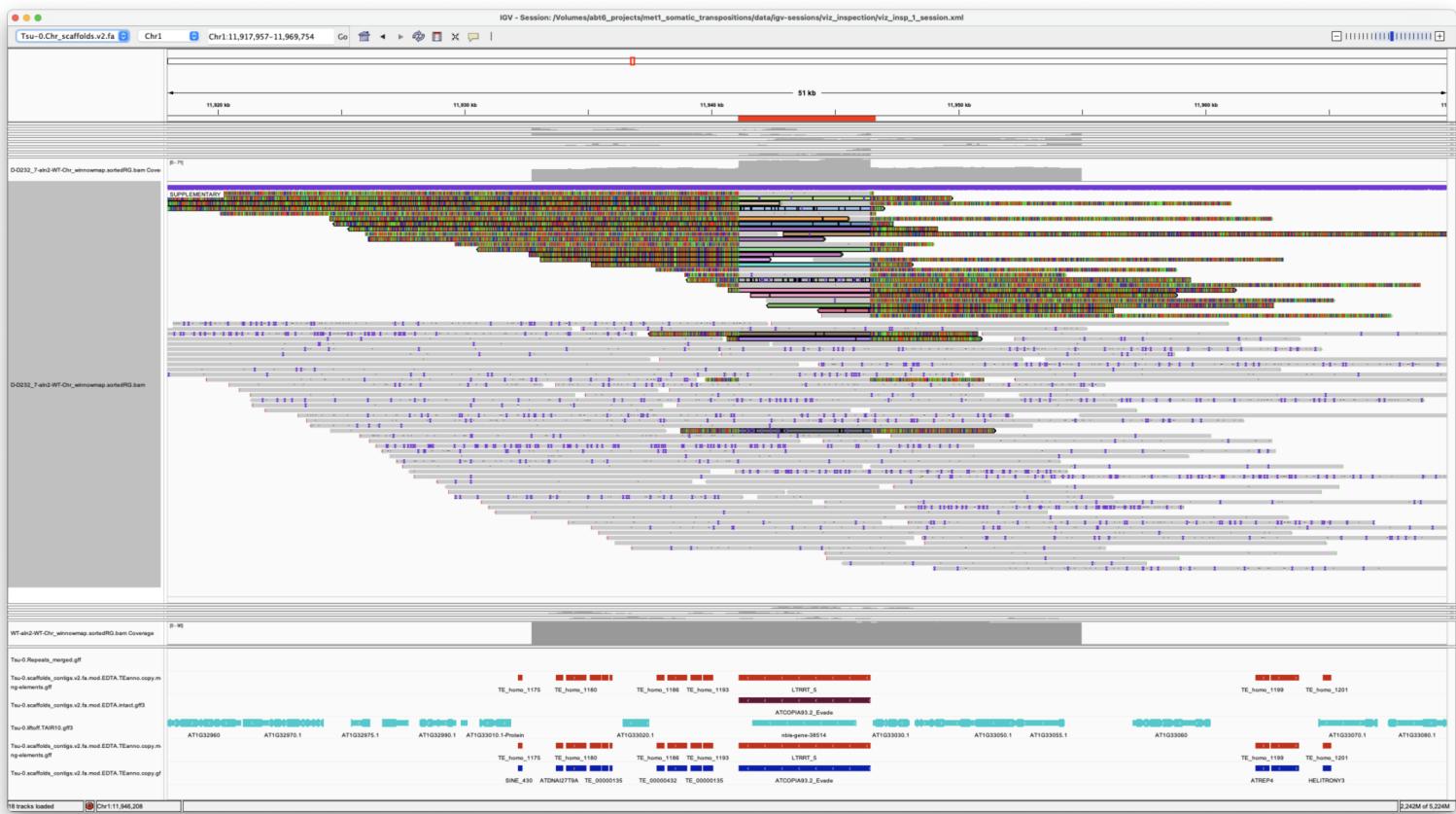
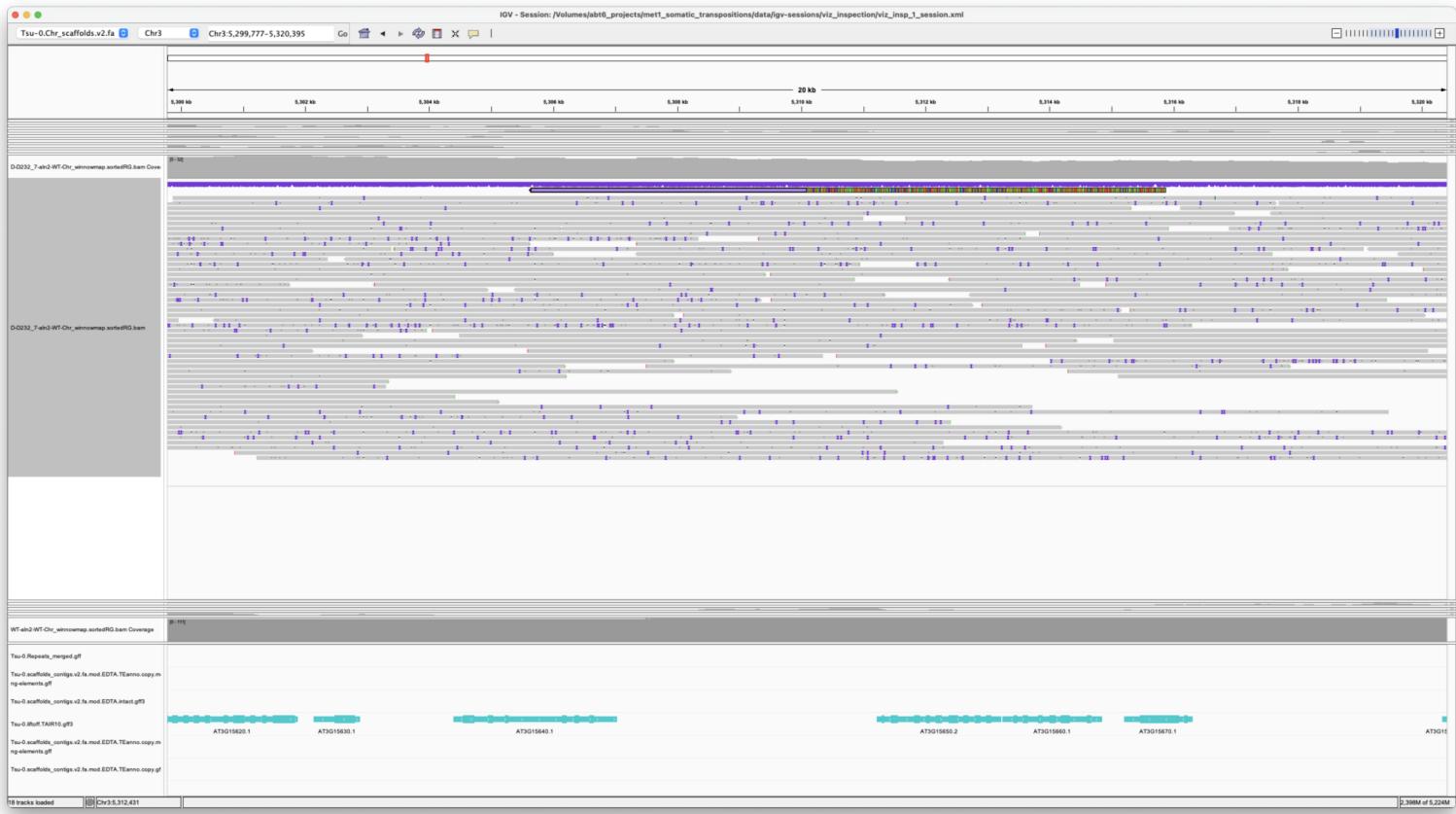


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Additional 11 reads

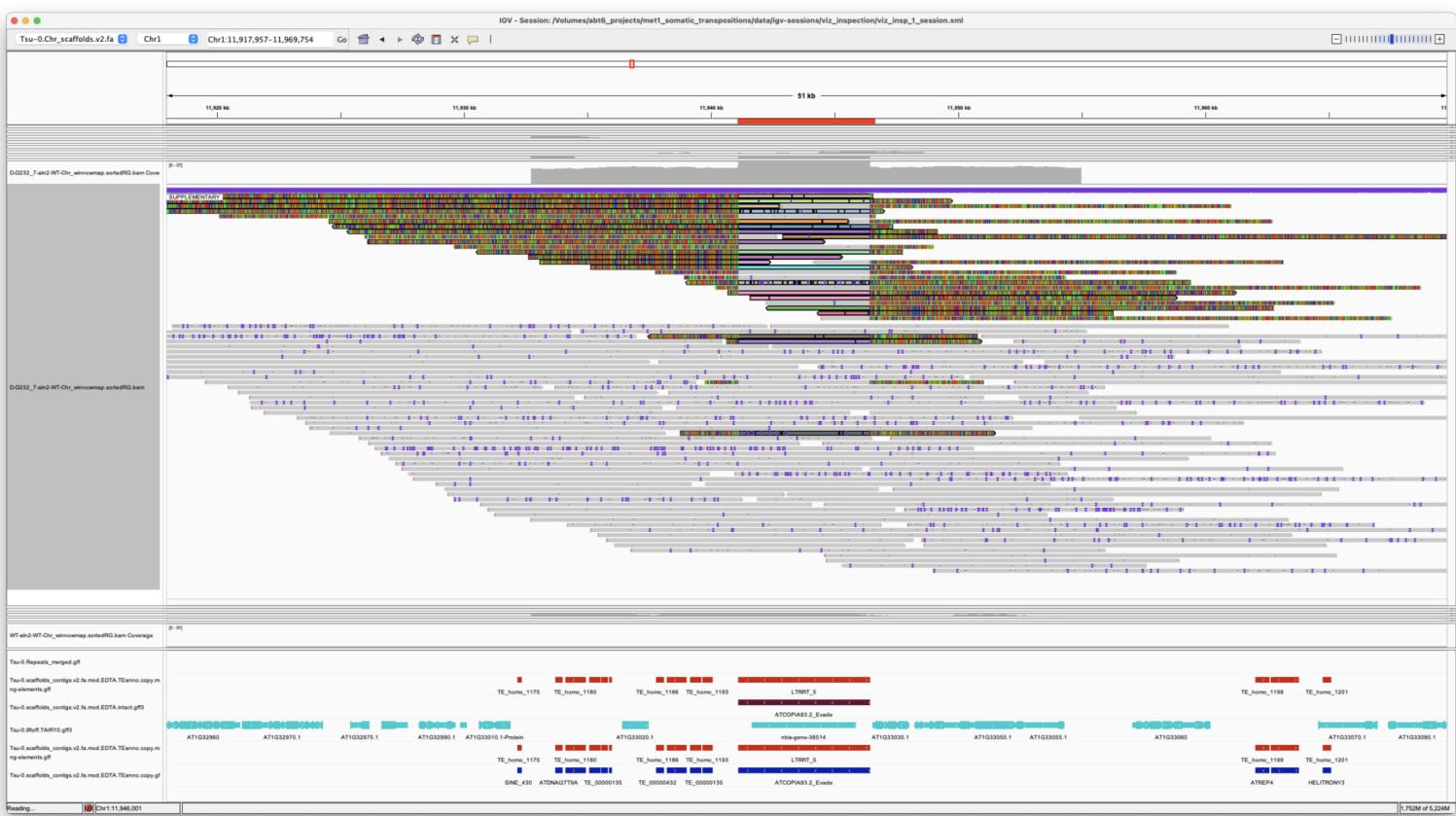
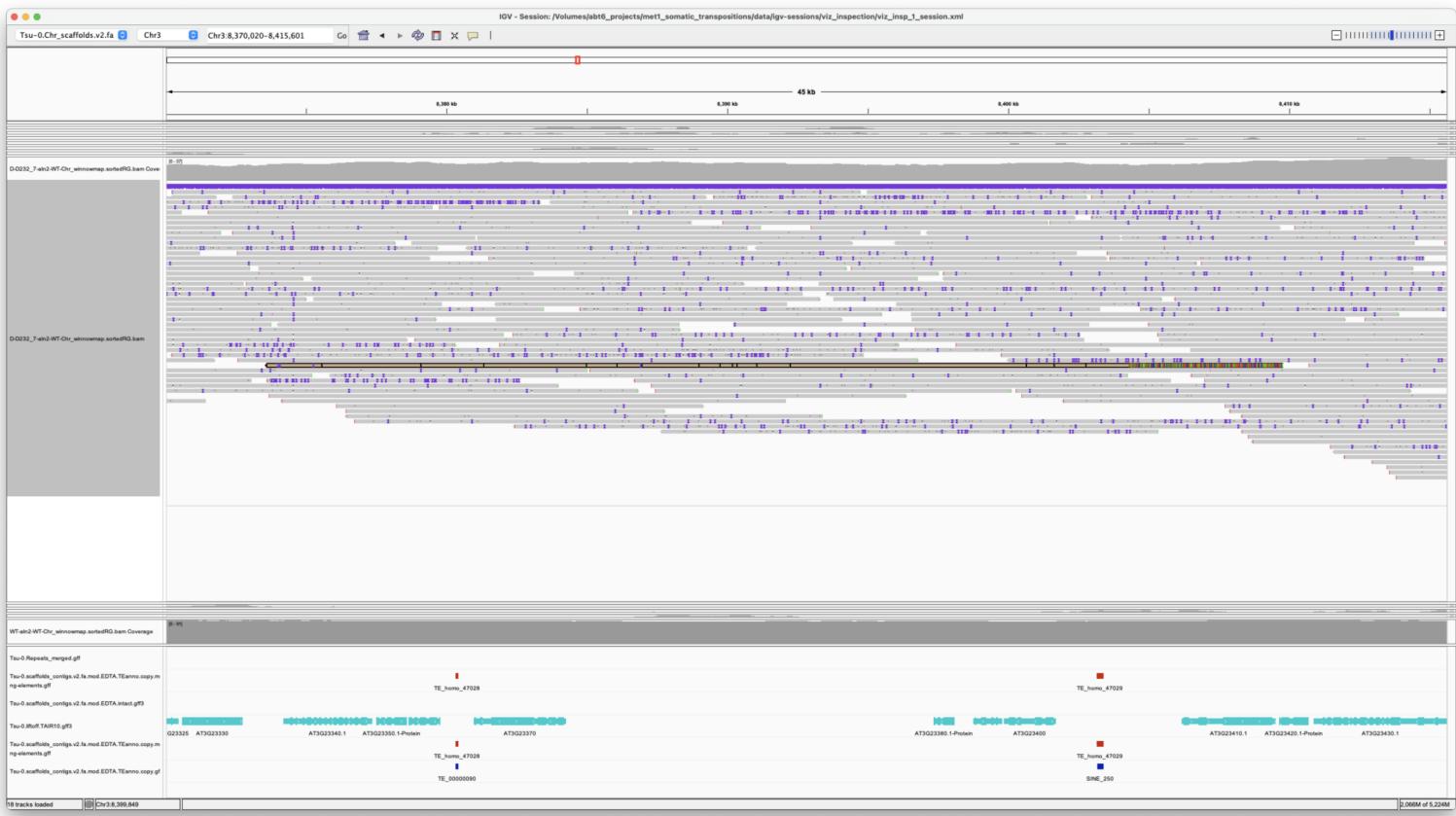
Sugiyama et al.



Partial

Confirmed

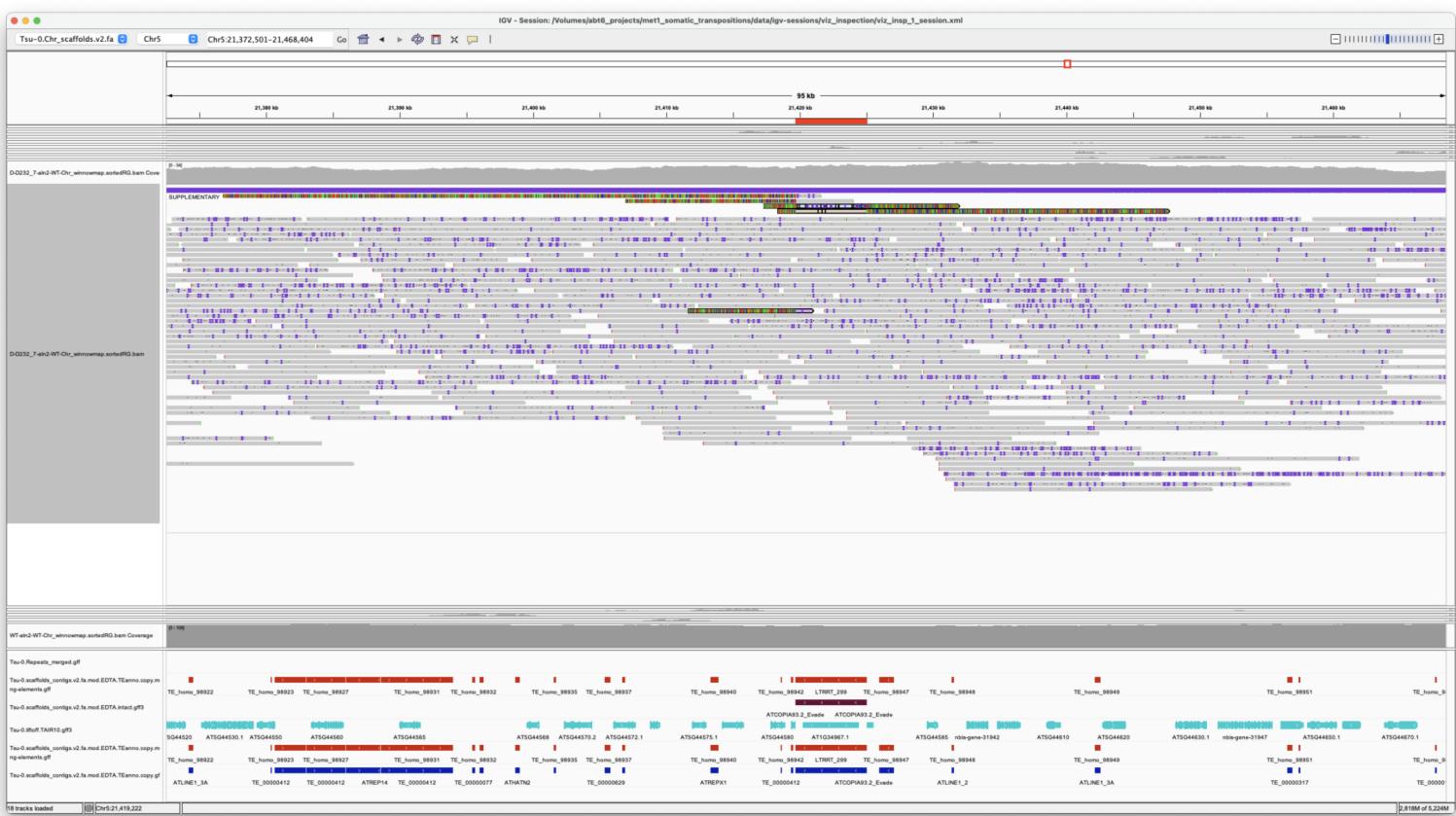
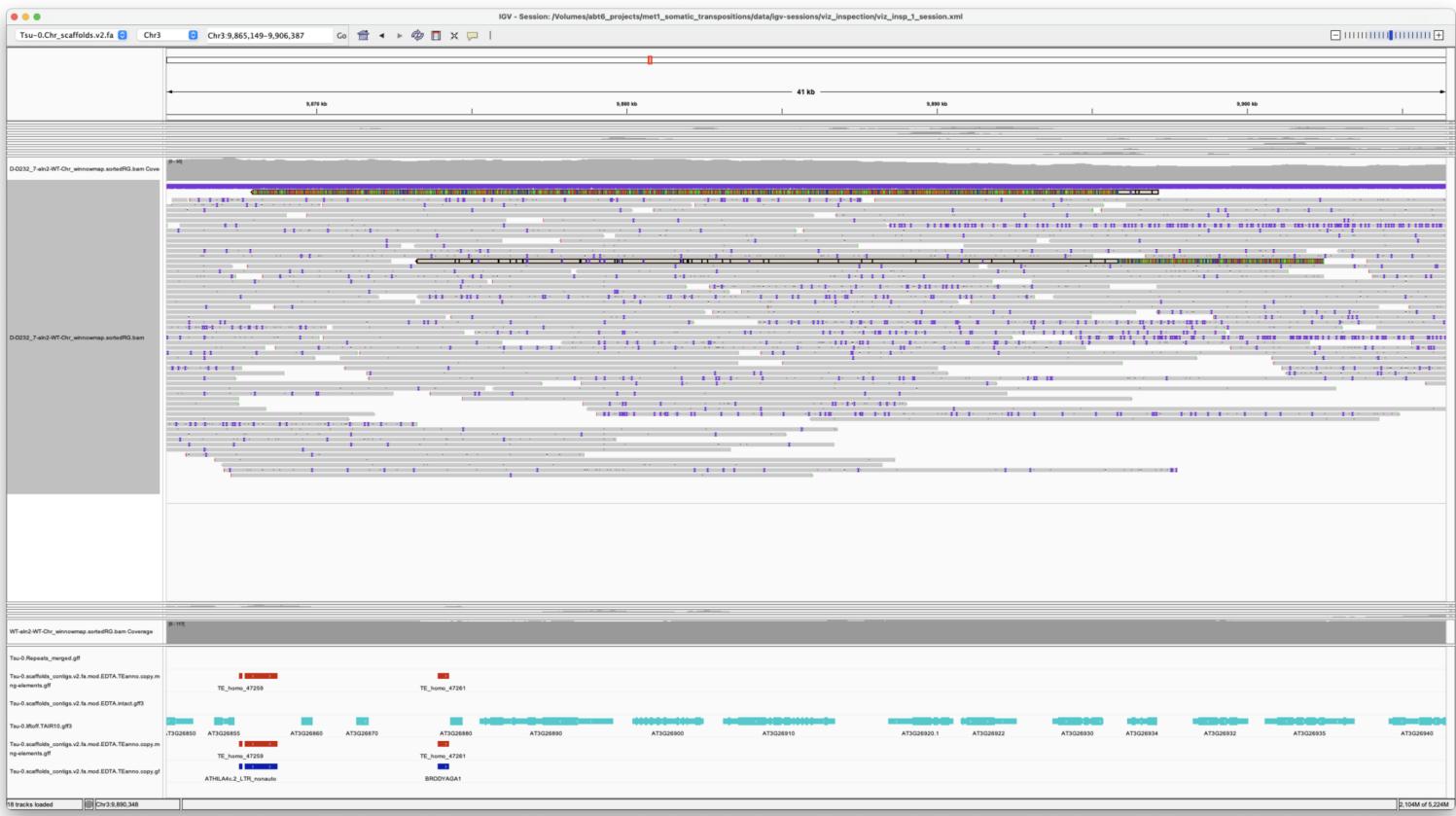
Chr3 8404326 8404326 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/121963960/ccs met1_07



Partial

Confirmed

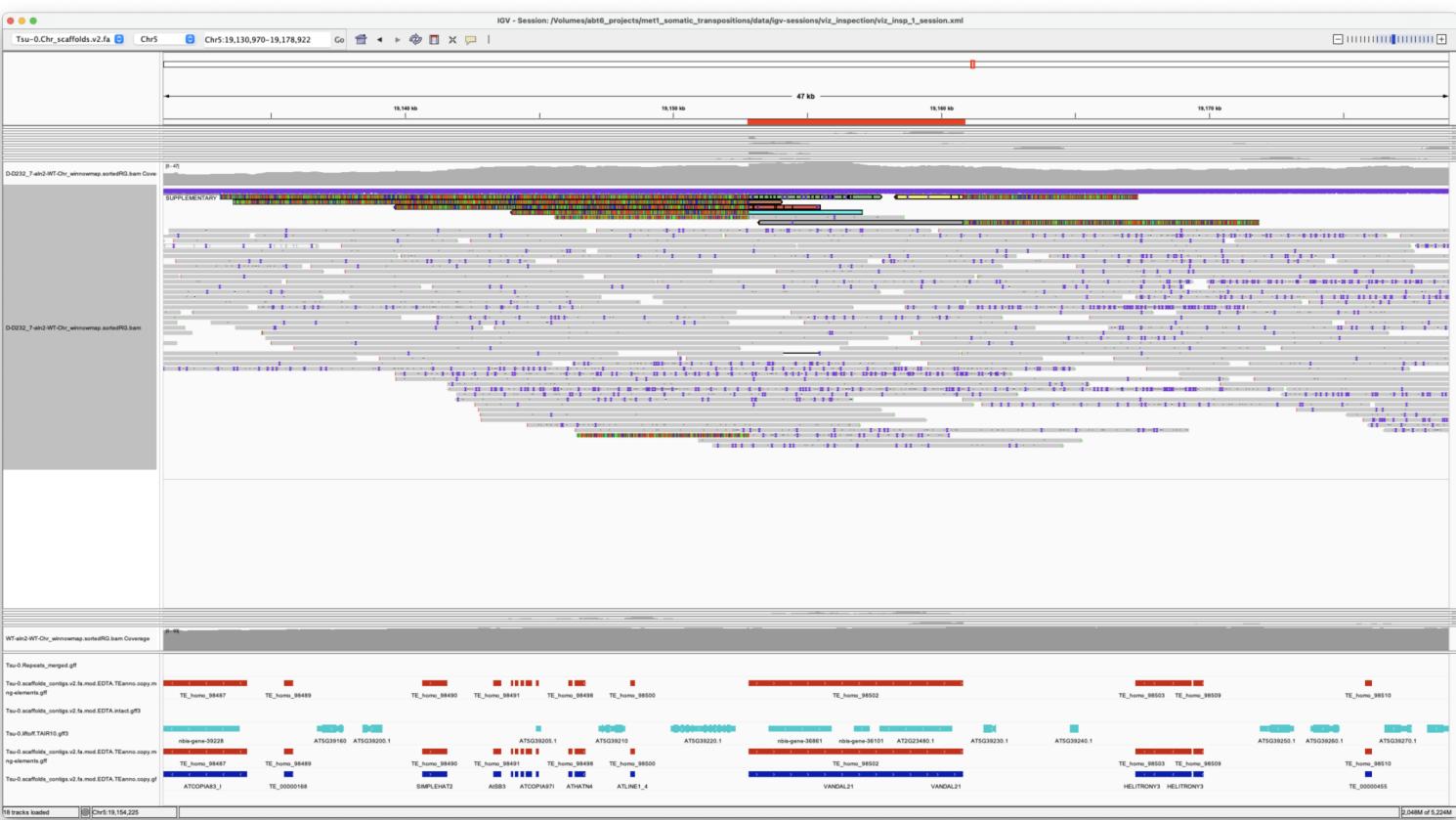
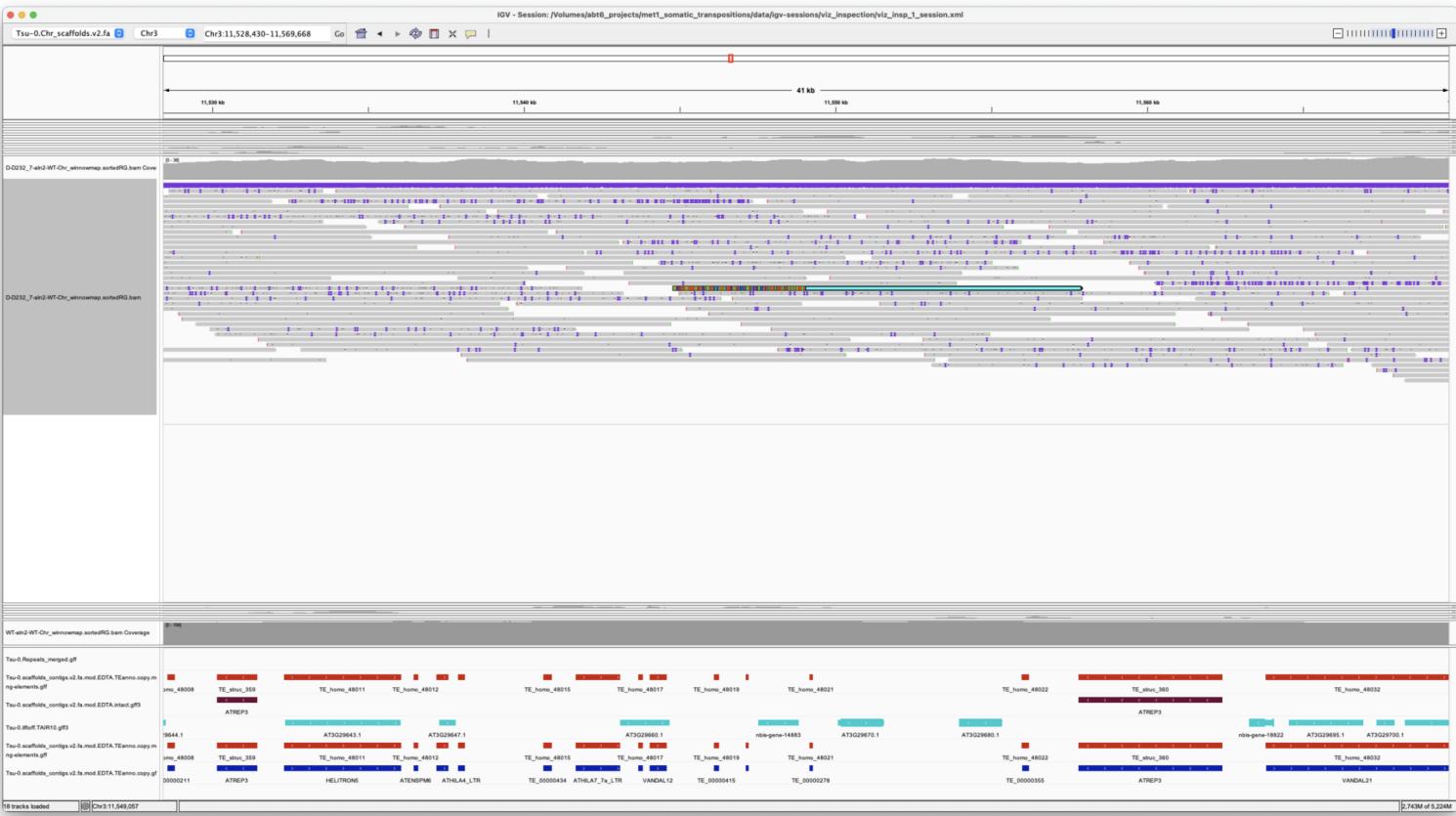
Chr3 9895841 9895841 + 1 Chr5:21419693;21425022;ATCOPIA93_Evade m64079_221220_112036/47319481/ccs met1_07



Central
TSD

Confirmed

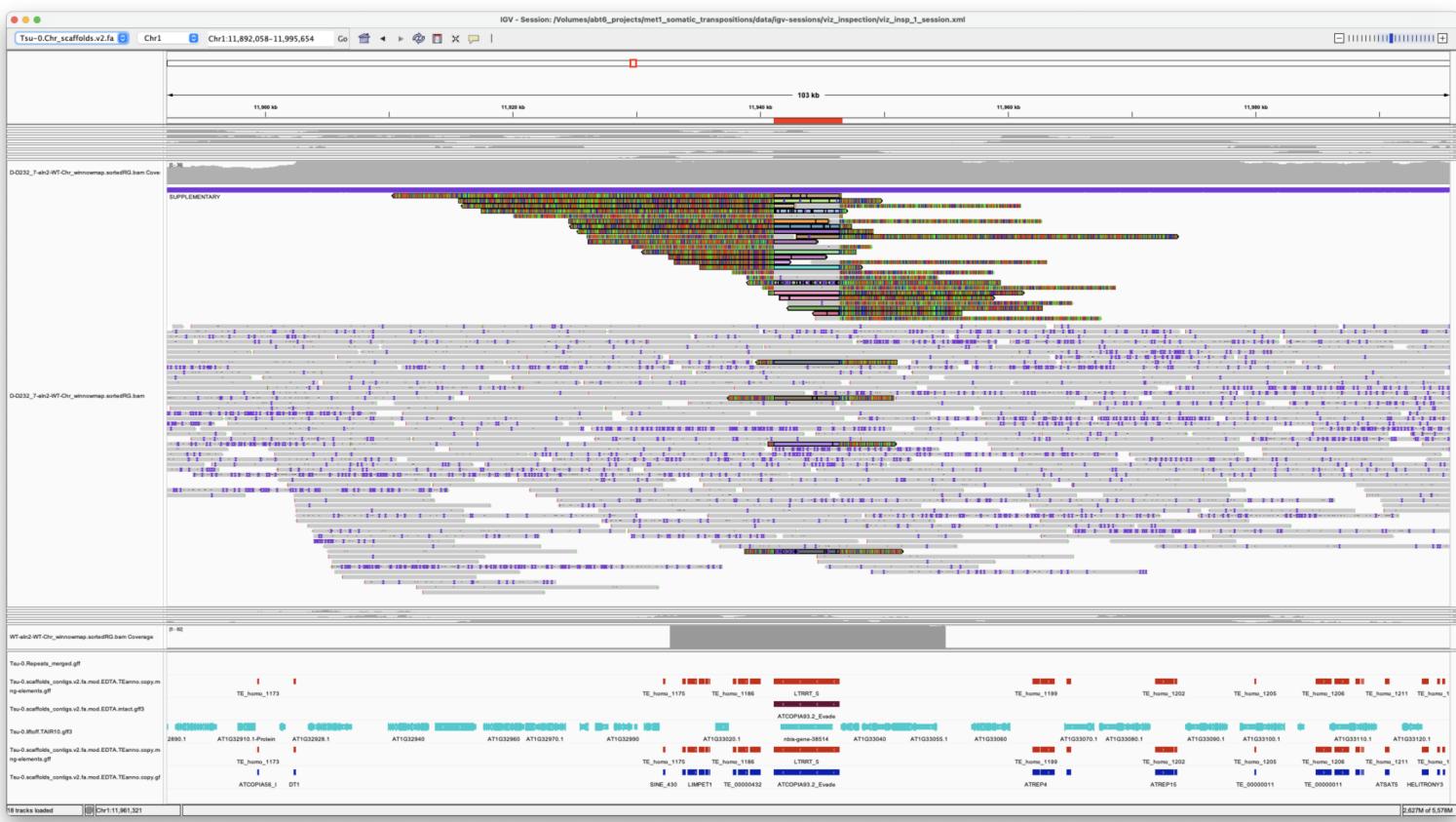
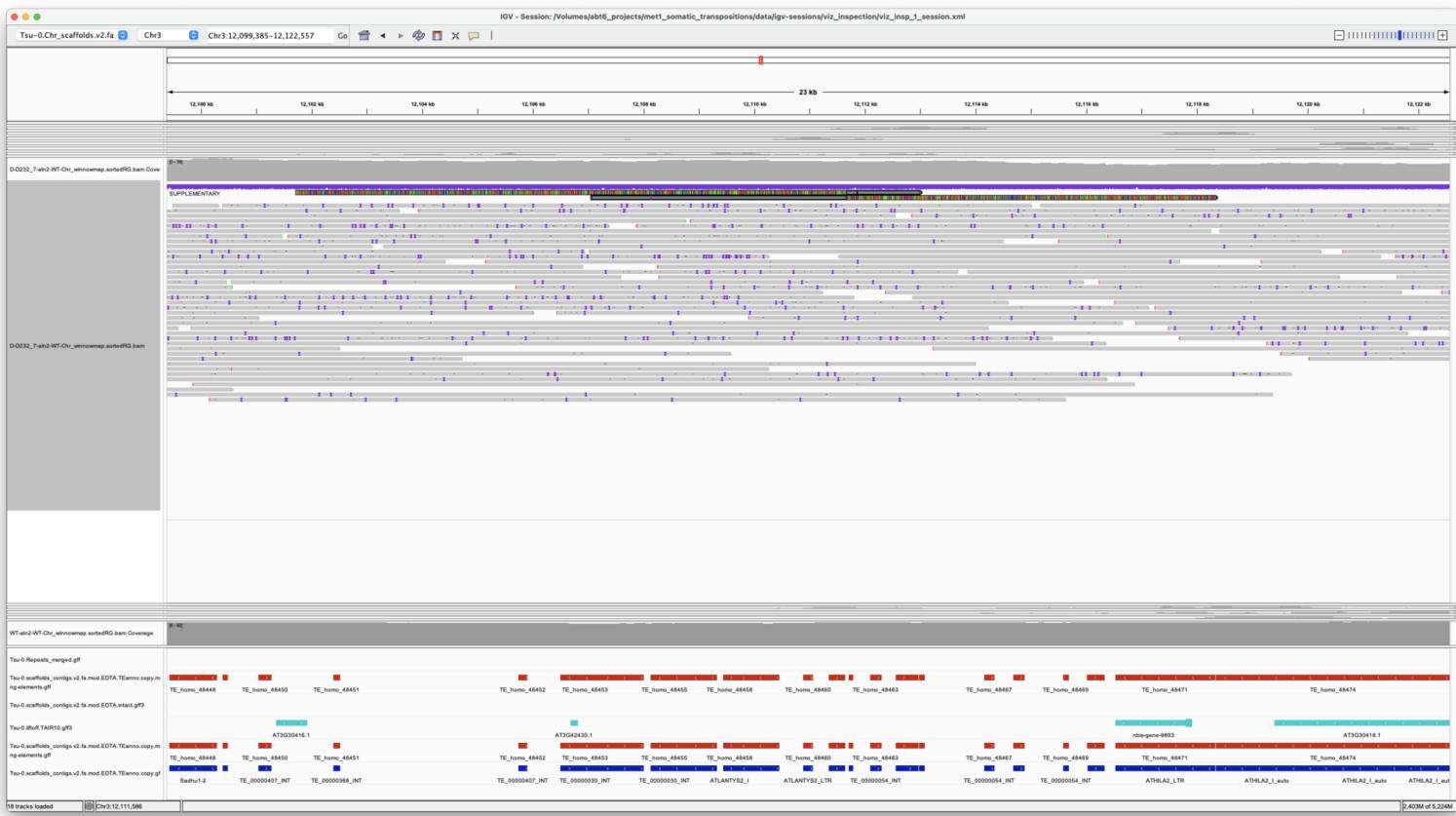
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Partial

Confirmed

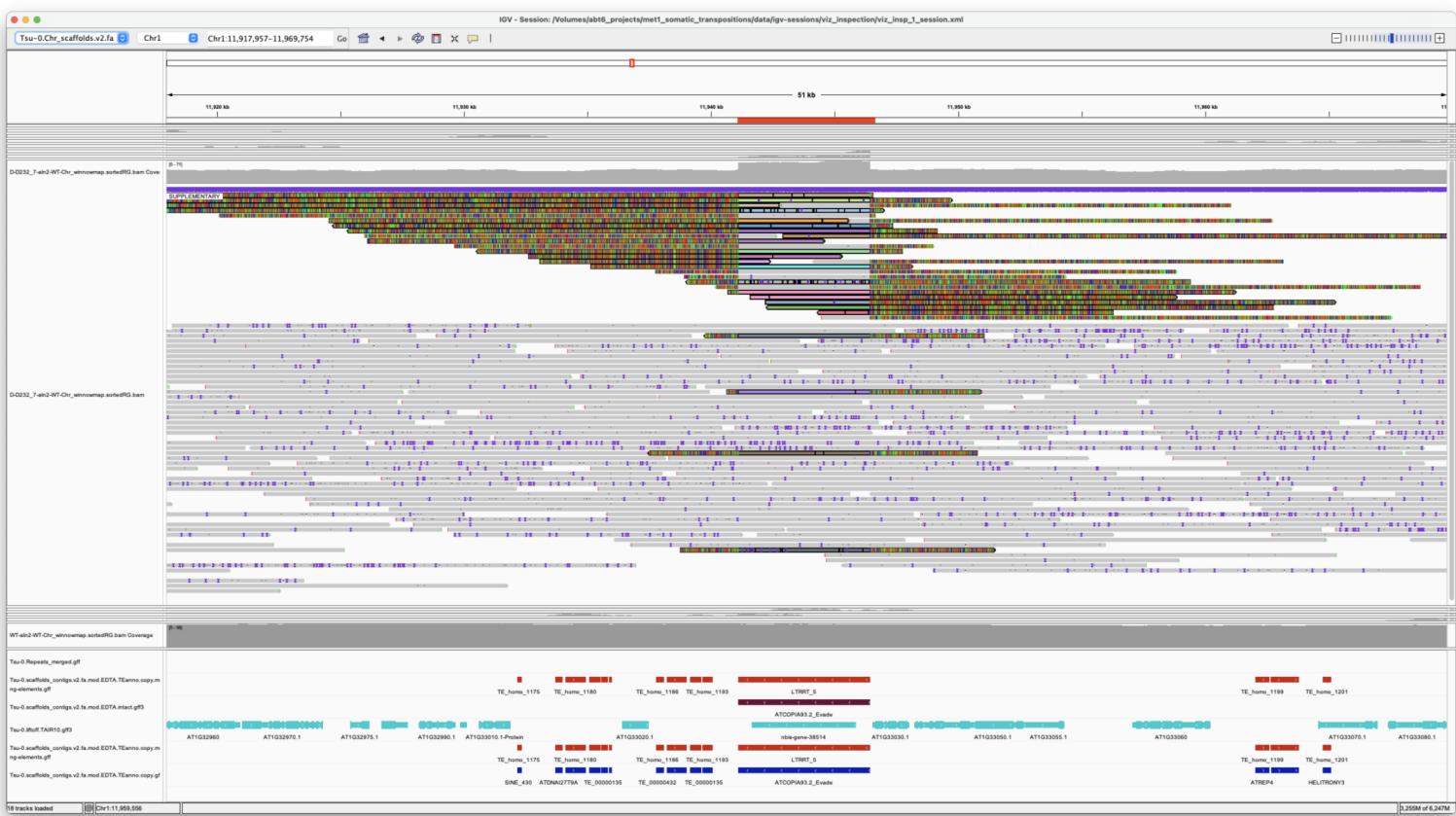
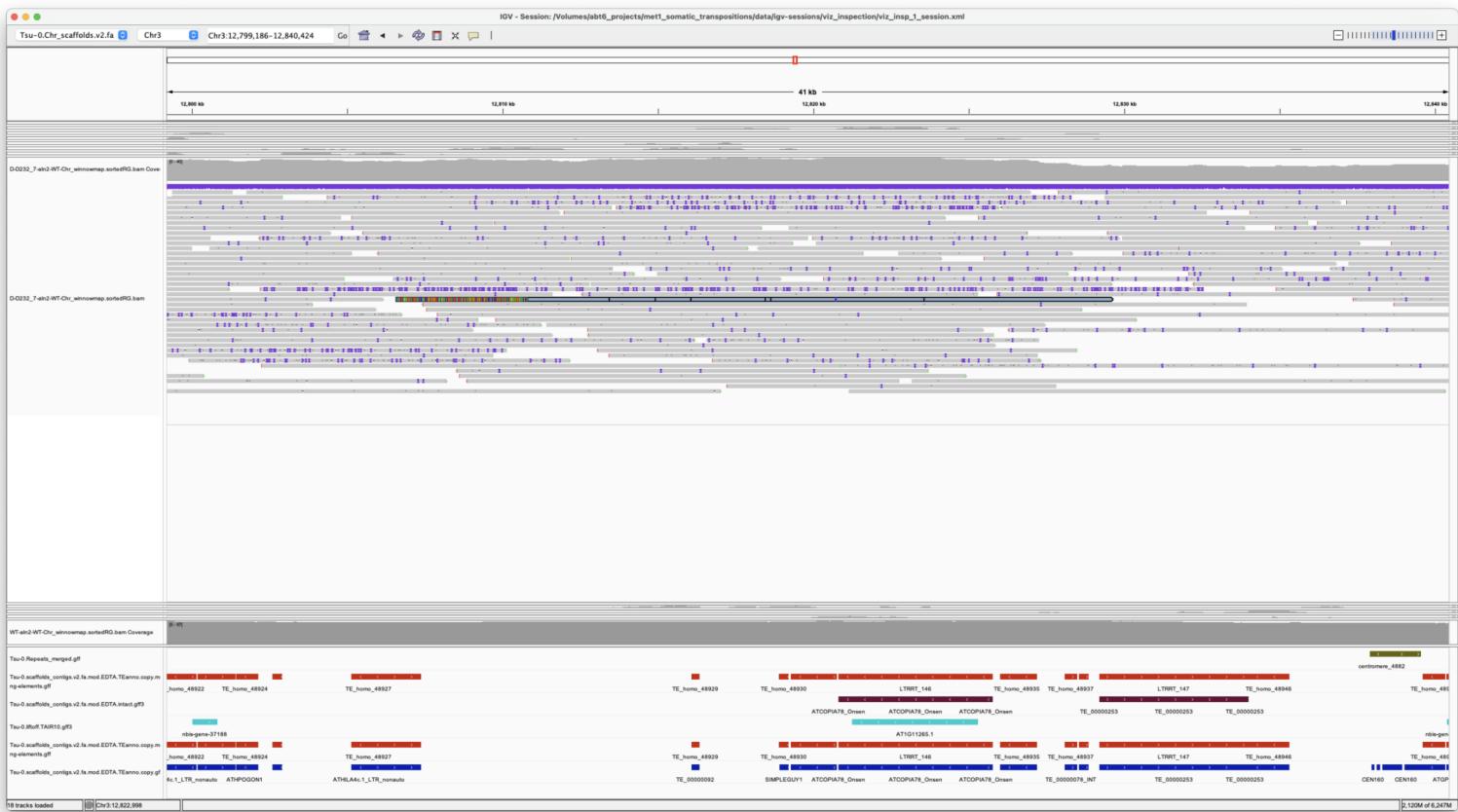
Chr3 12111670 12111670 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/39977805/ccs met1_07



Central
TSD

Confirmed

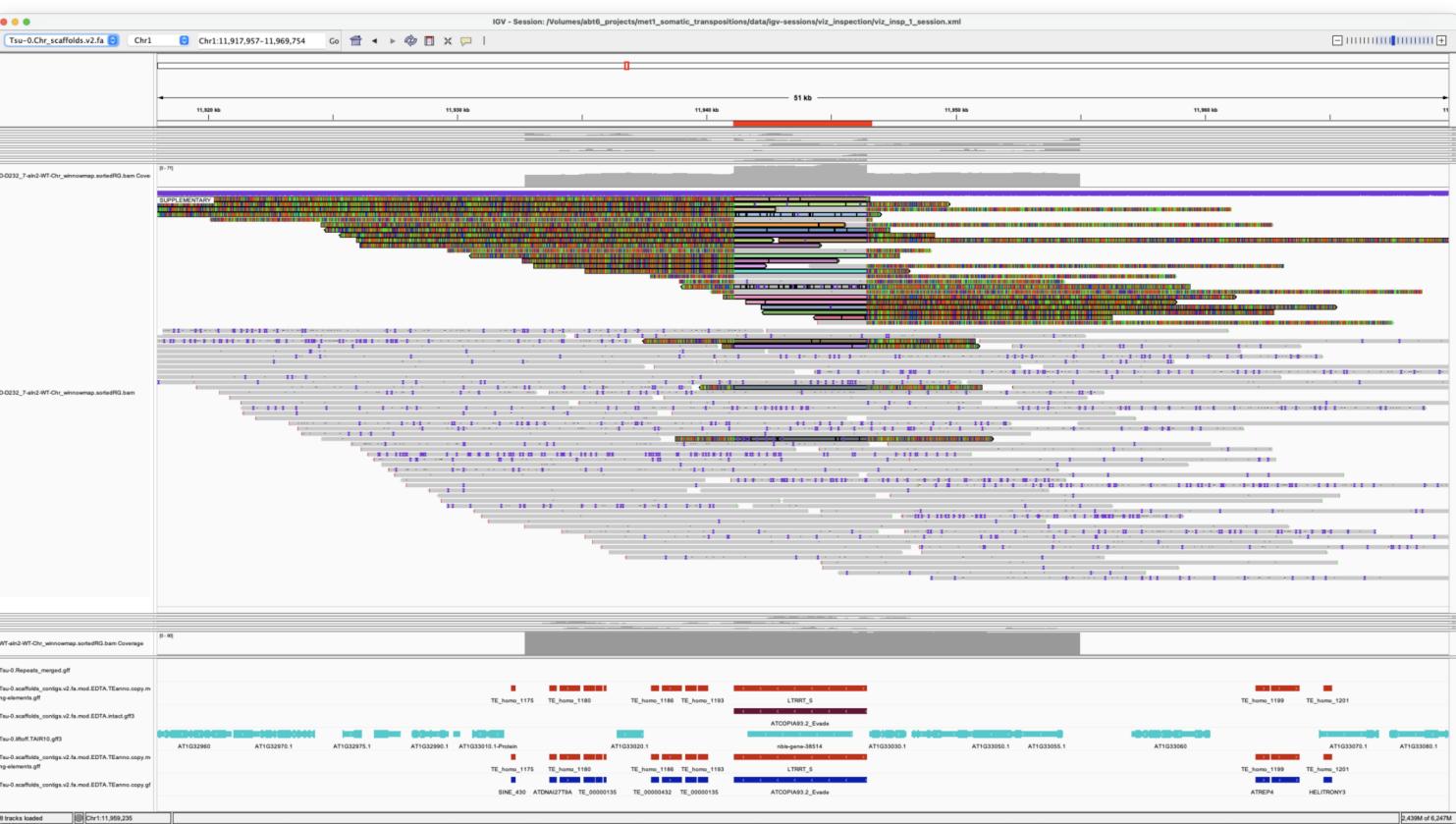
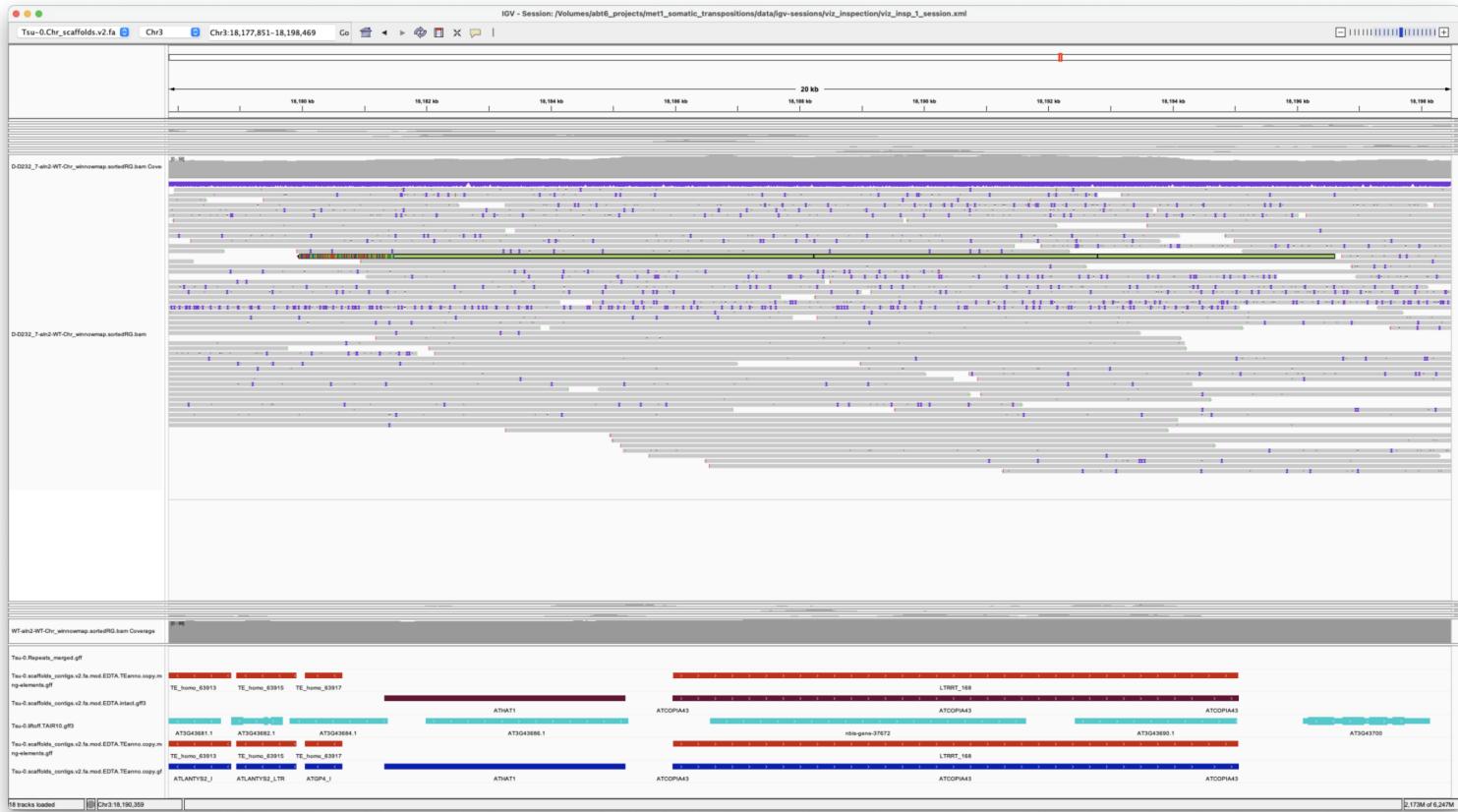
Chr3 12810809 12810809 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/63308391/ccs met1_07



Partial

Confirmed

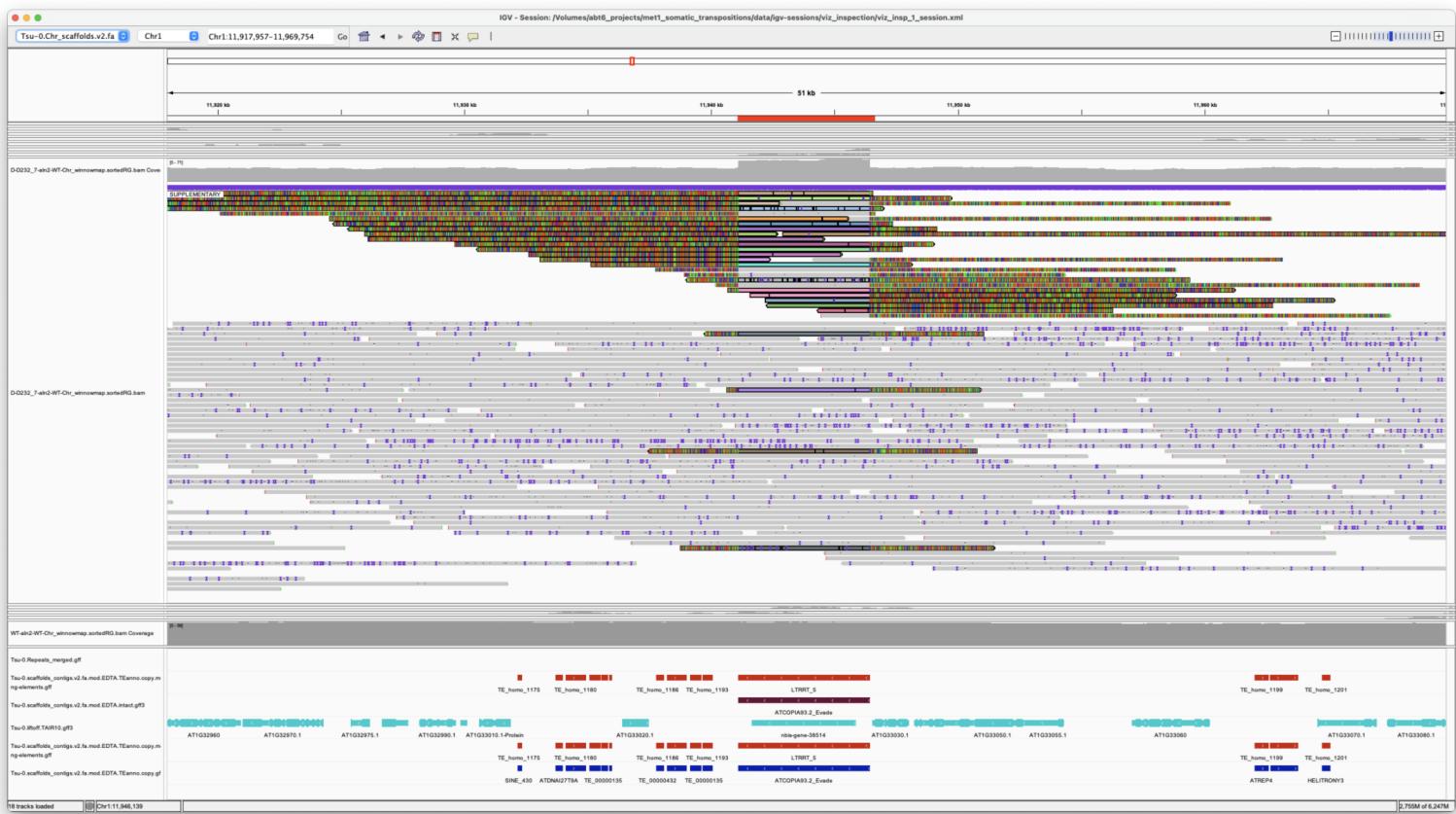
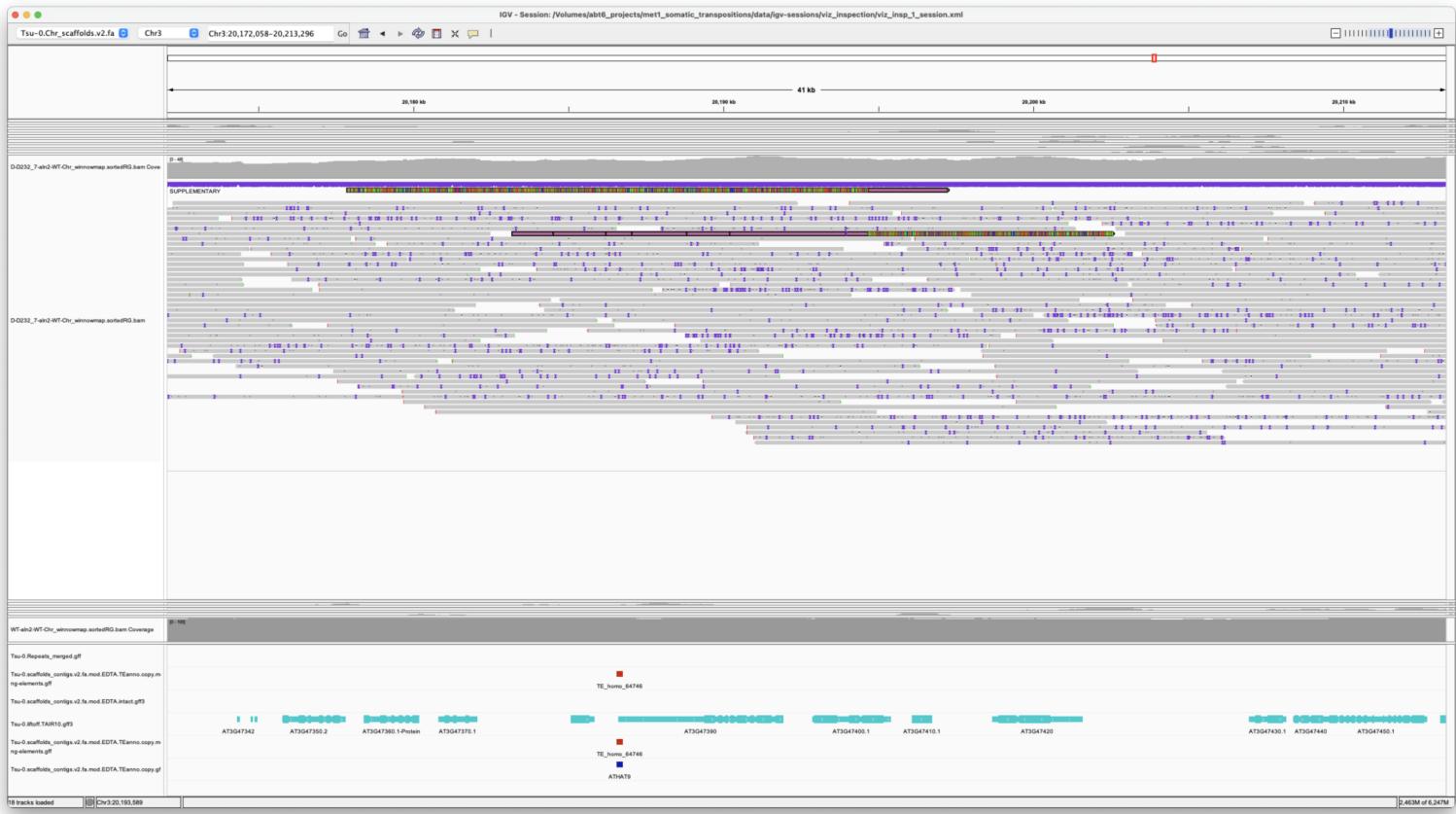
Chr3 18181483 18181483 - 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/75302644/ccs met1_07



Partial

Confirmed

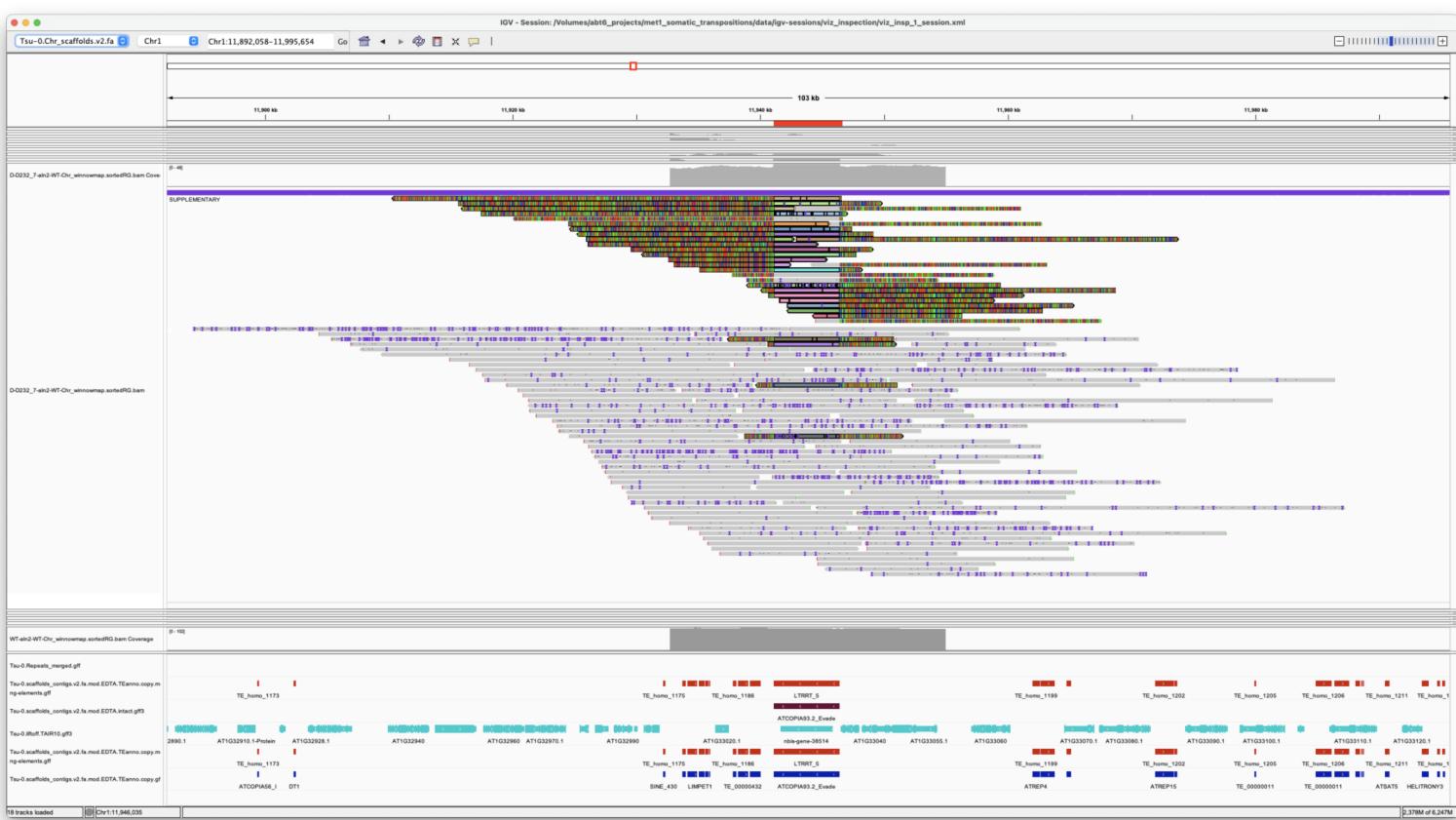
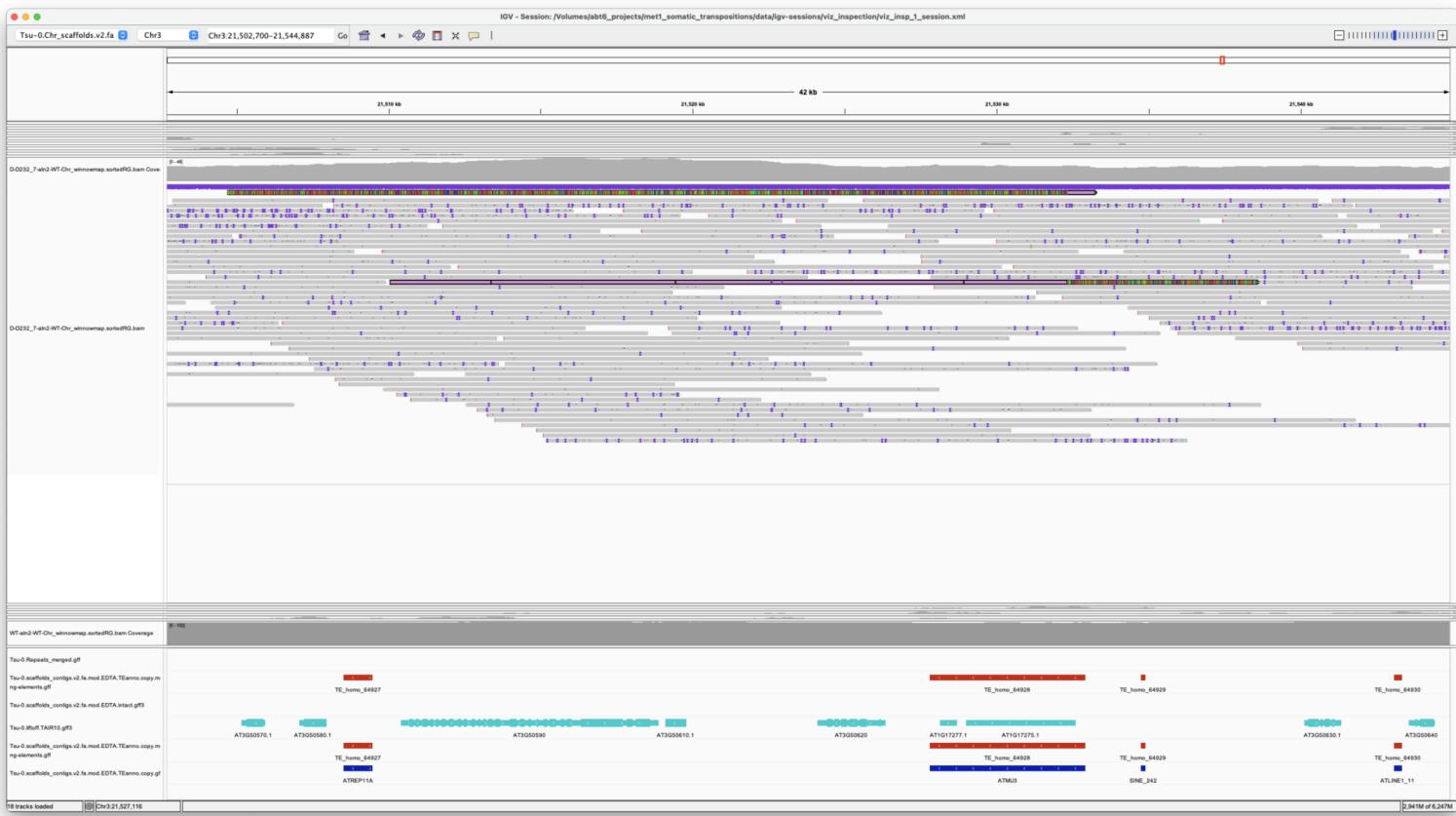
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Central
TSD

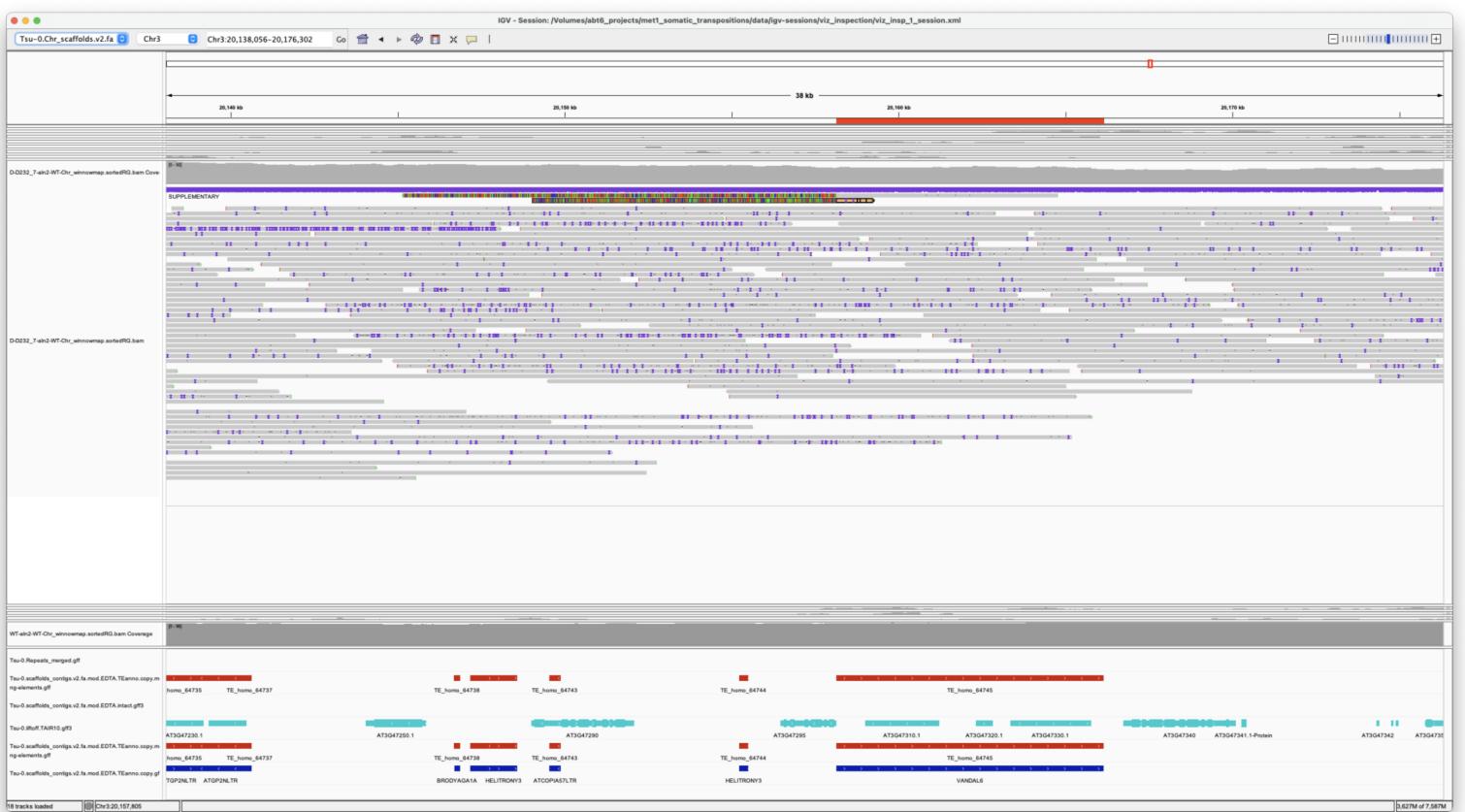
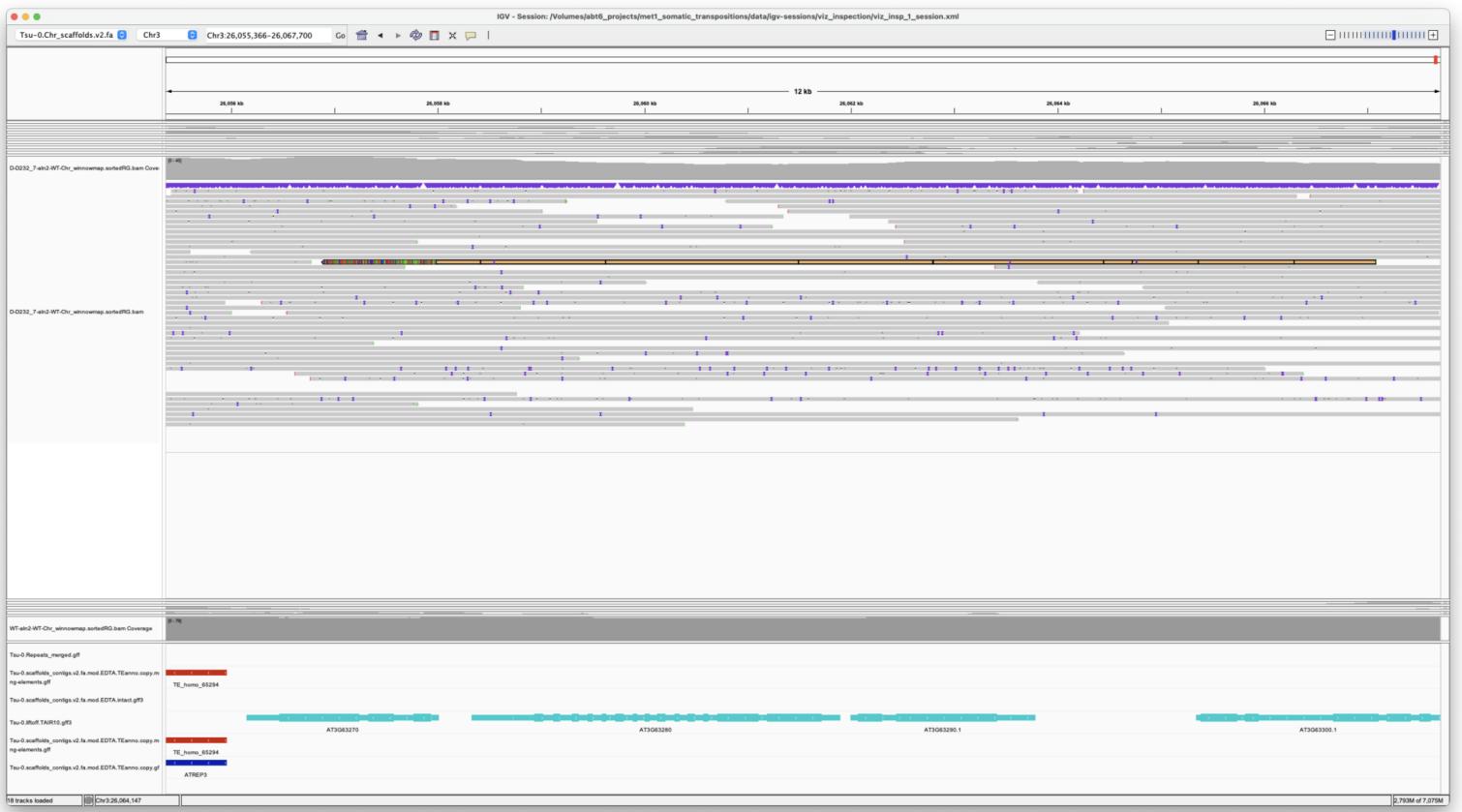
Confirmed

Chr3 21532333 21532333 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/49348919/ccs met1_07



Central
TSD

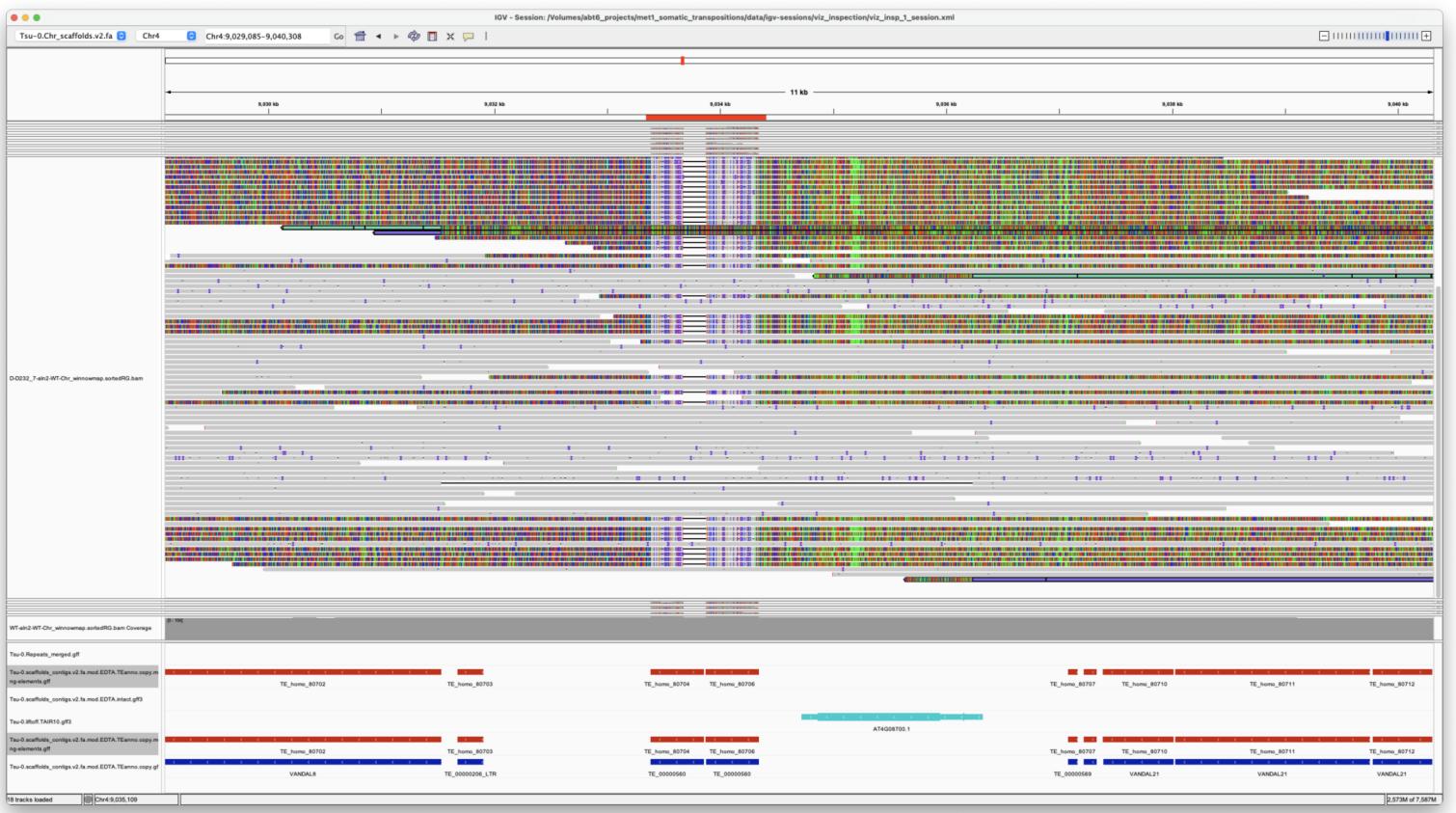
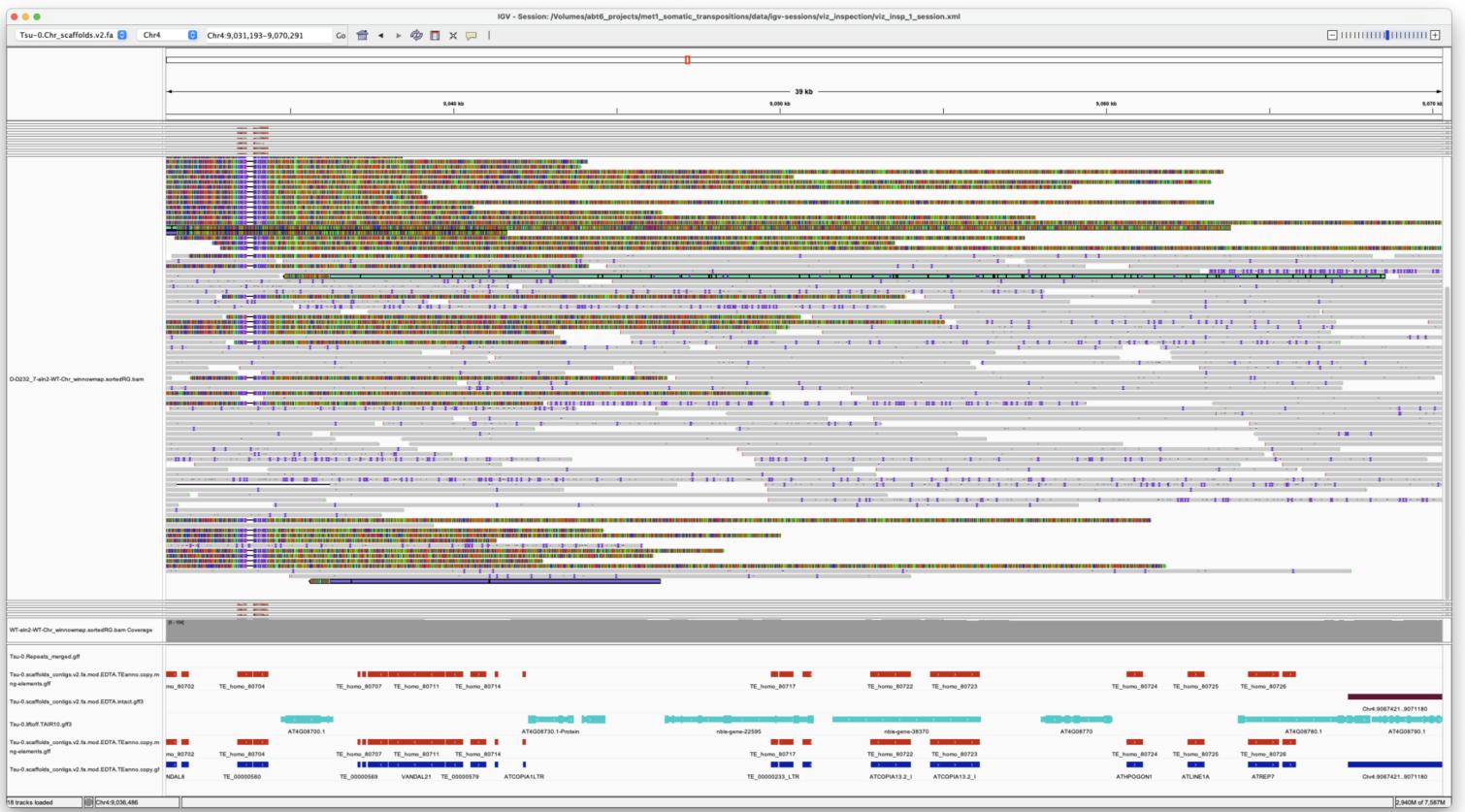
Confirmed



Partial

Confirmed

Chr4 9036234 9036236 +,+ 2 Chr4;9027642;9031534;VANDAL8,Chr4;9027642;9031534;VANDAL8 m64079_221220_112036/150536265/ccs,m64079_240212_113350/27067180/ccs met1_07



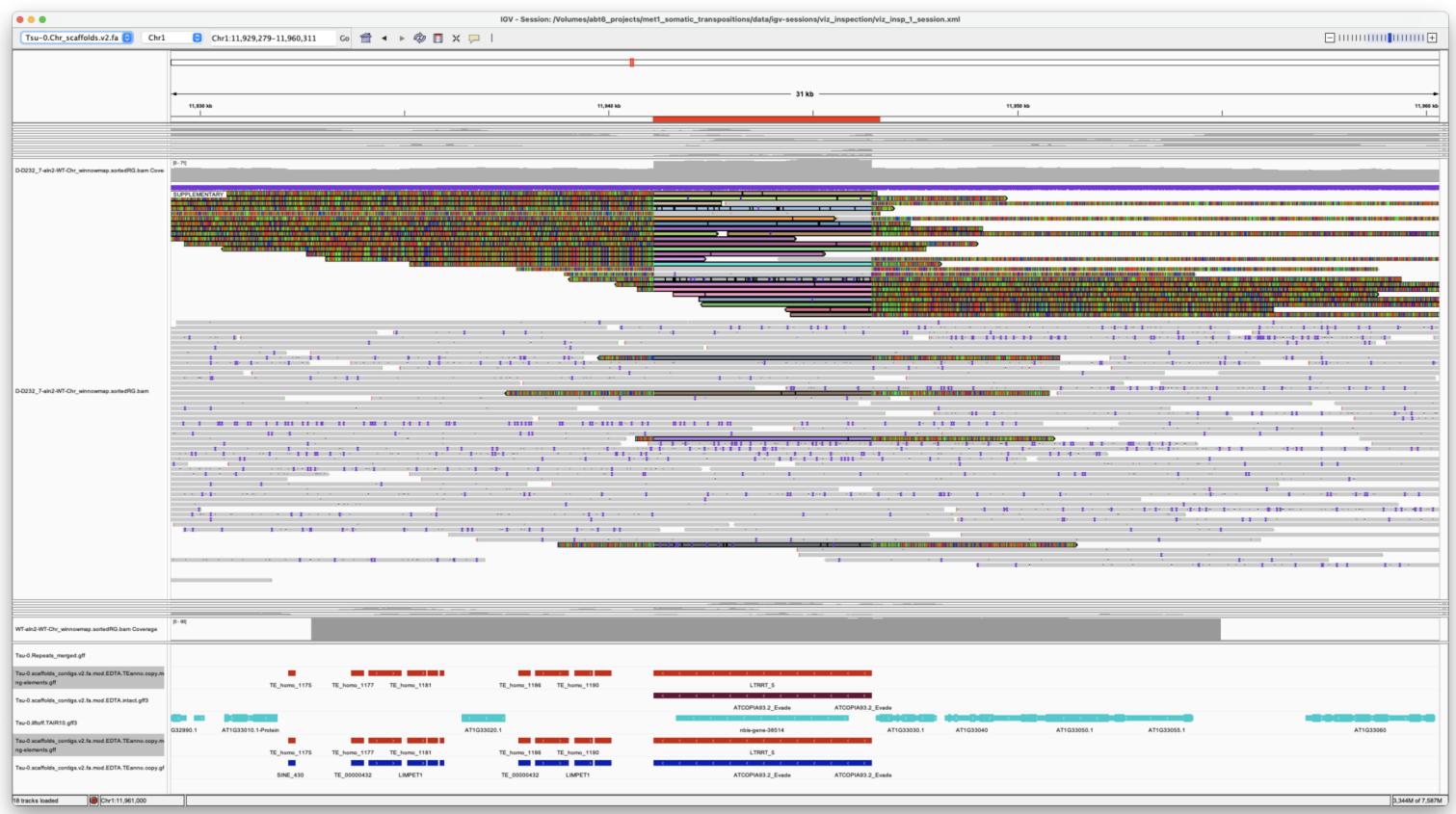
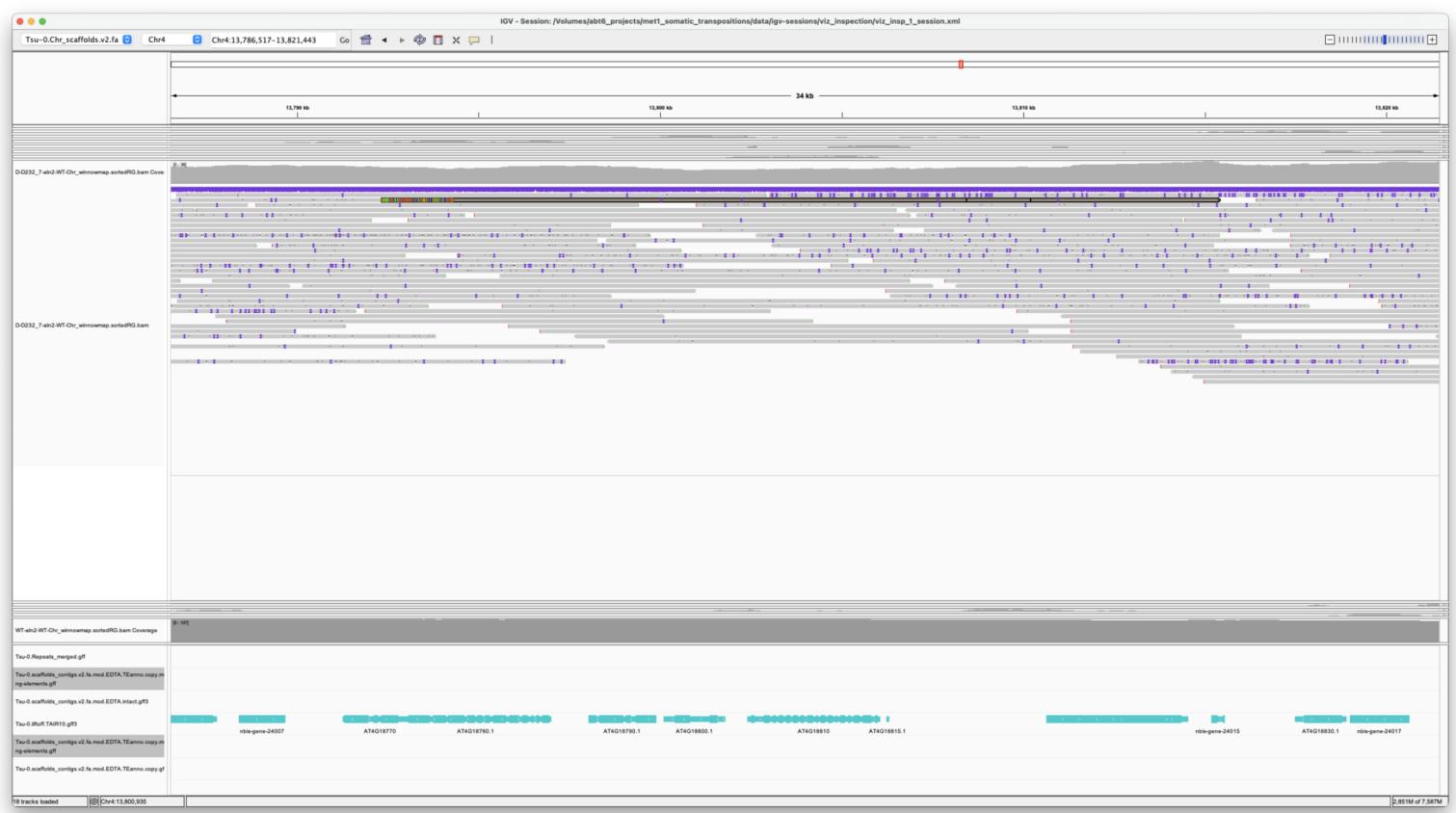
Probably a deletion because of VANDAL cut but cannot be sure

Hypermutable

Rearrangement

unsupported

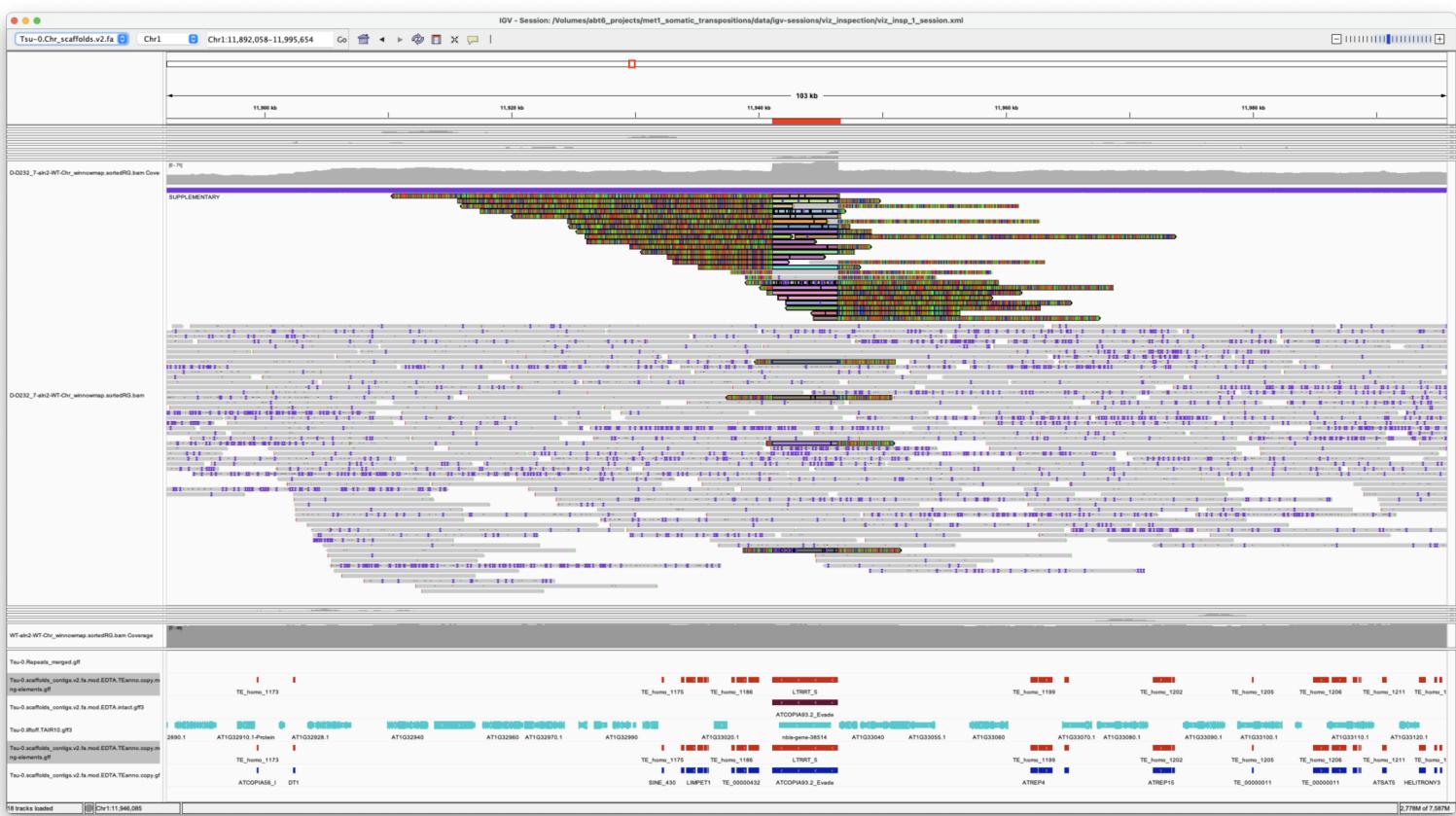
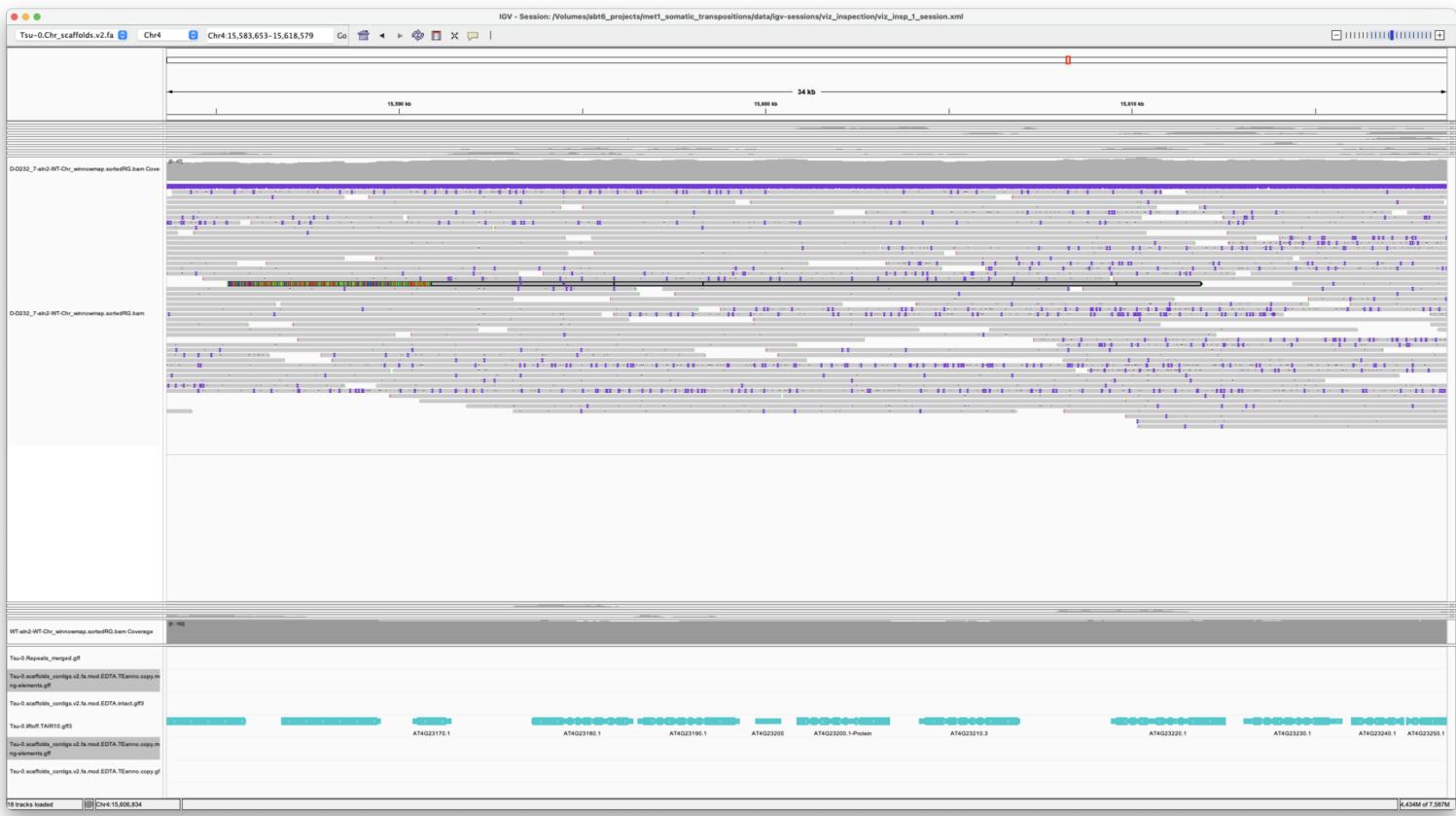
Chr4 13794306 13794306 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/168427757/ccs met1_07



Partial

Confirmed

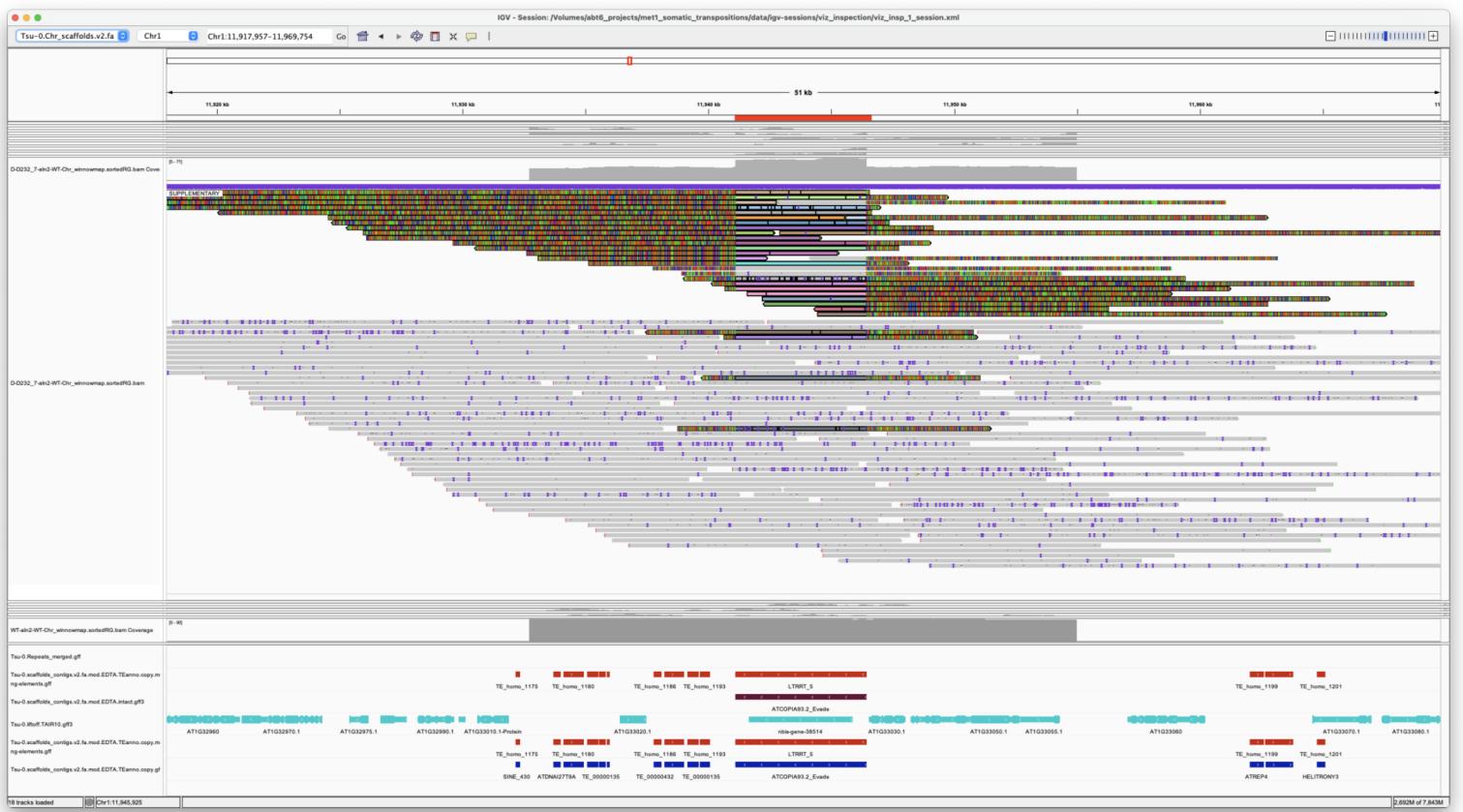
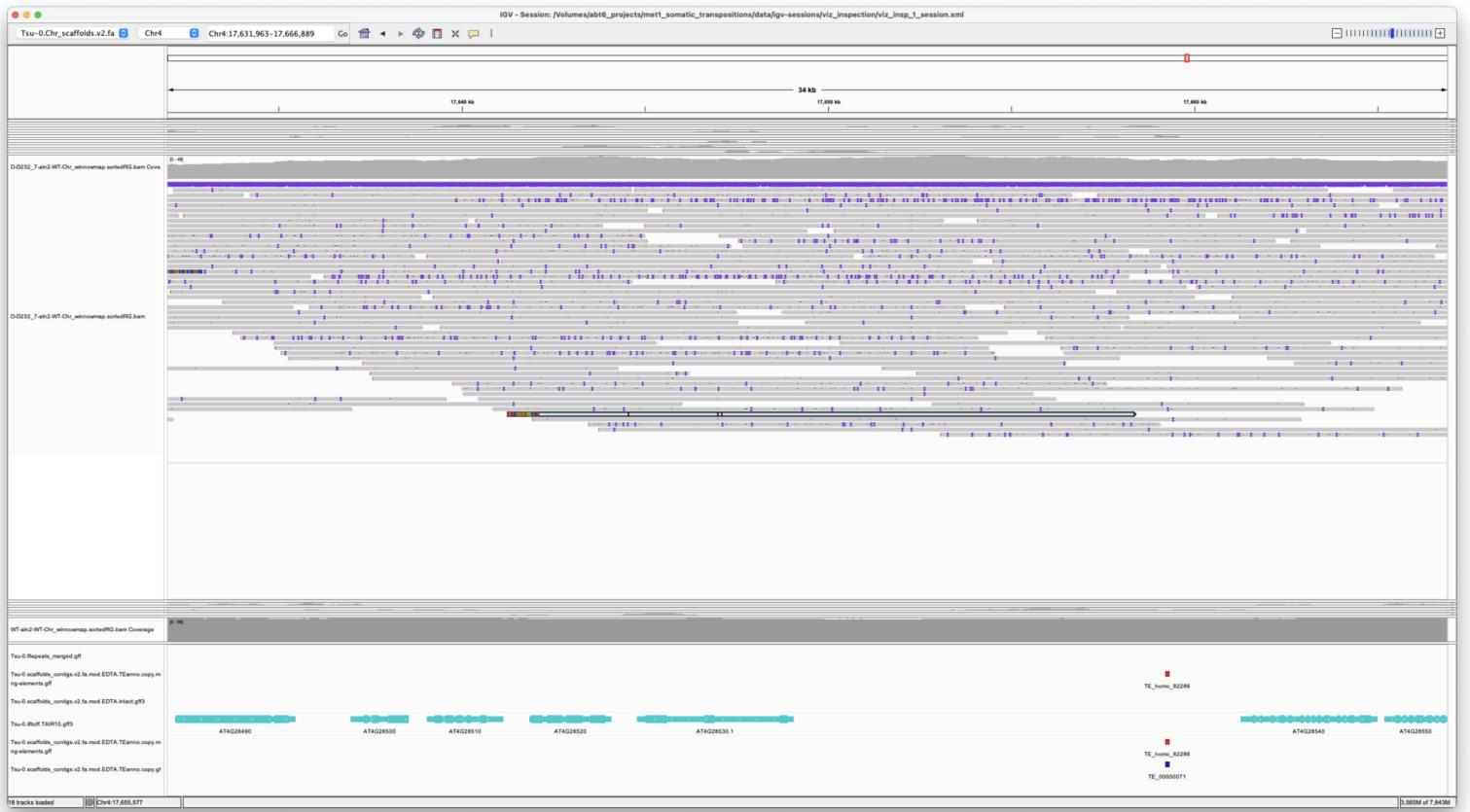
Chr4_15590879_15590879 - 1 Chr1:11941106-11946436 ATCOP1A93_Evade.m64079_221220_112036/112592716/ccs met1_07



Partial

Confirmed

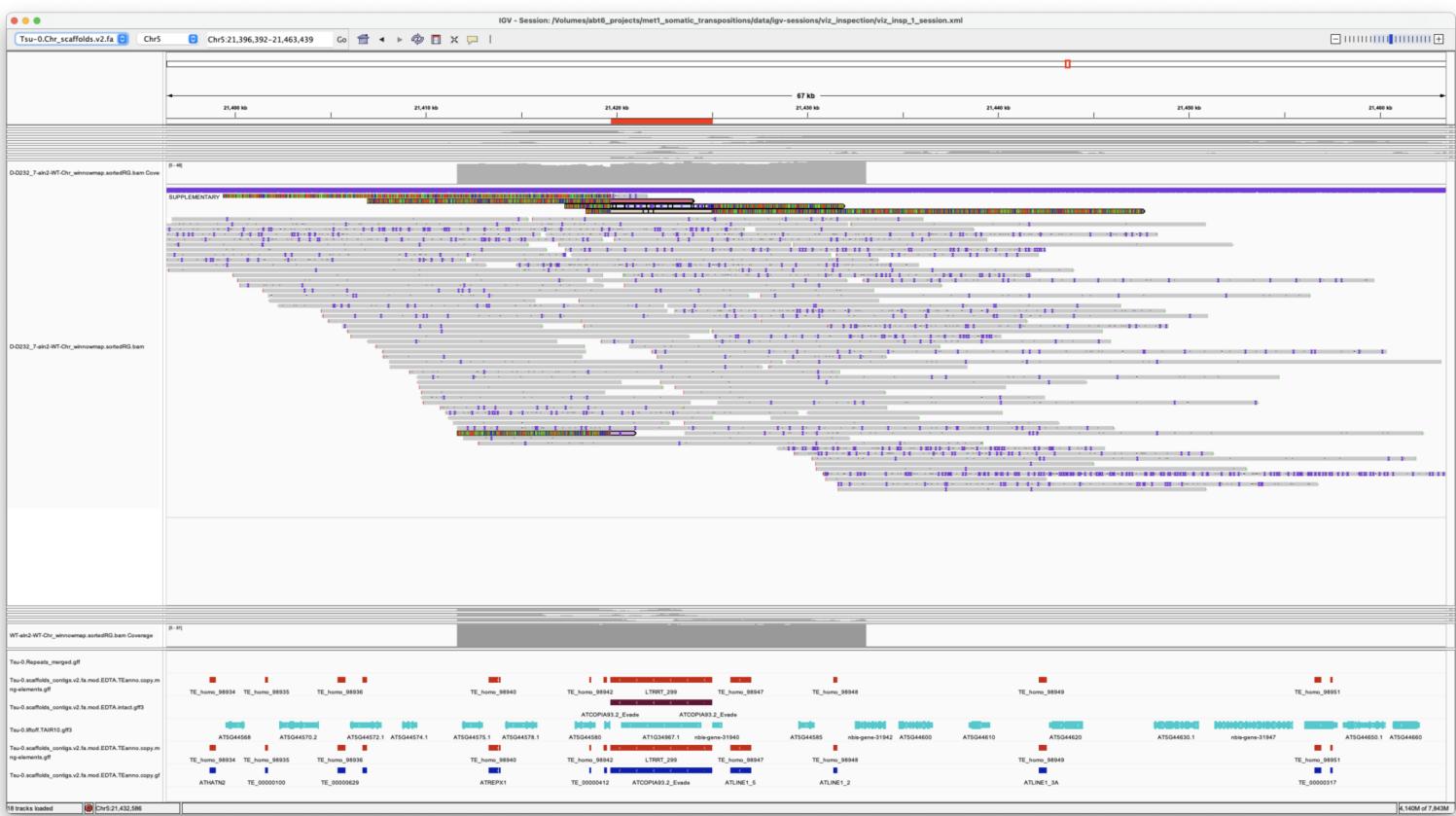
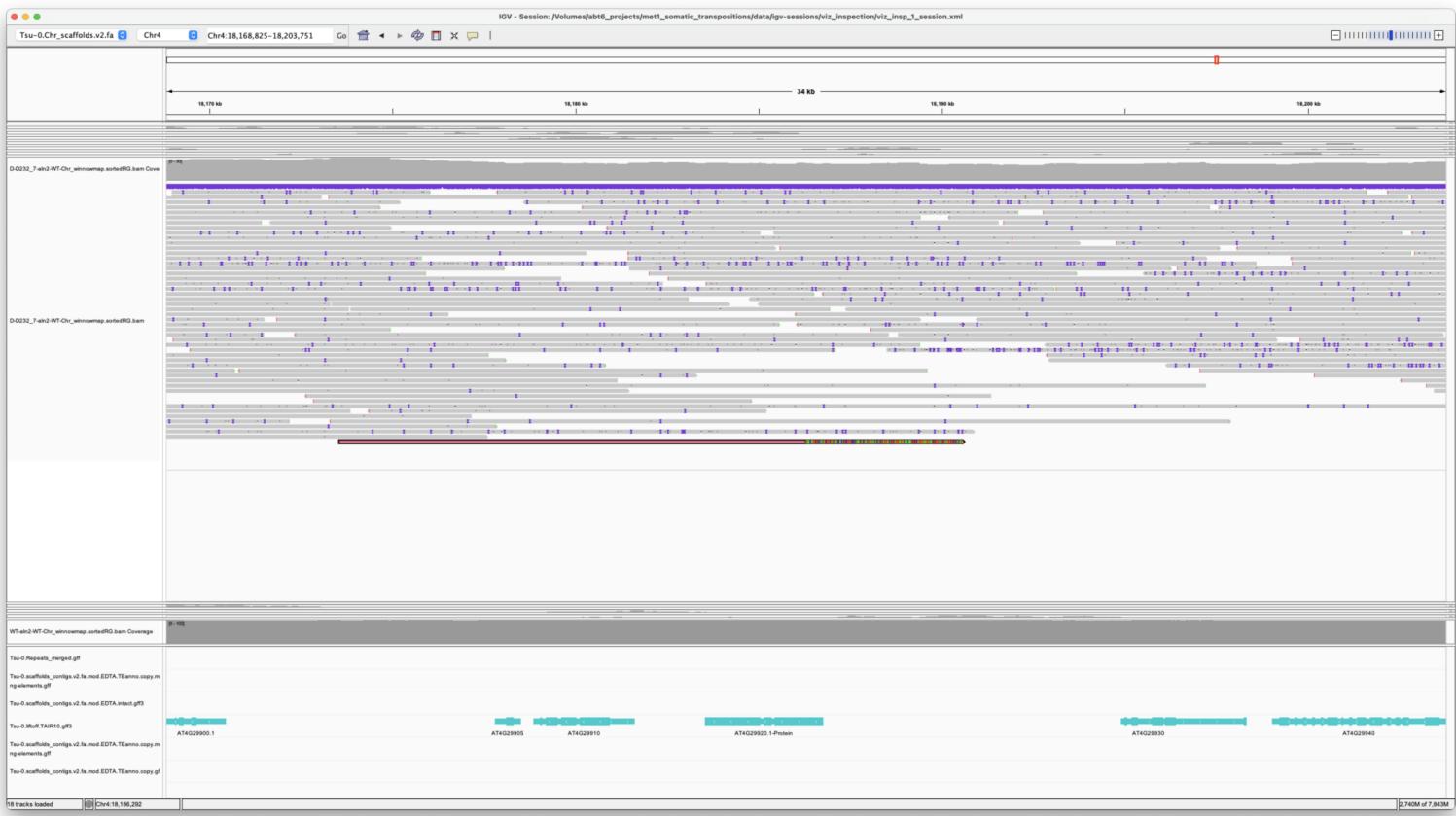
Chr4 17642094 17642094 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_240212_113350/157417977/ccs met1_07



Partial

Confirmed

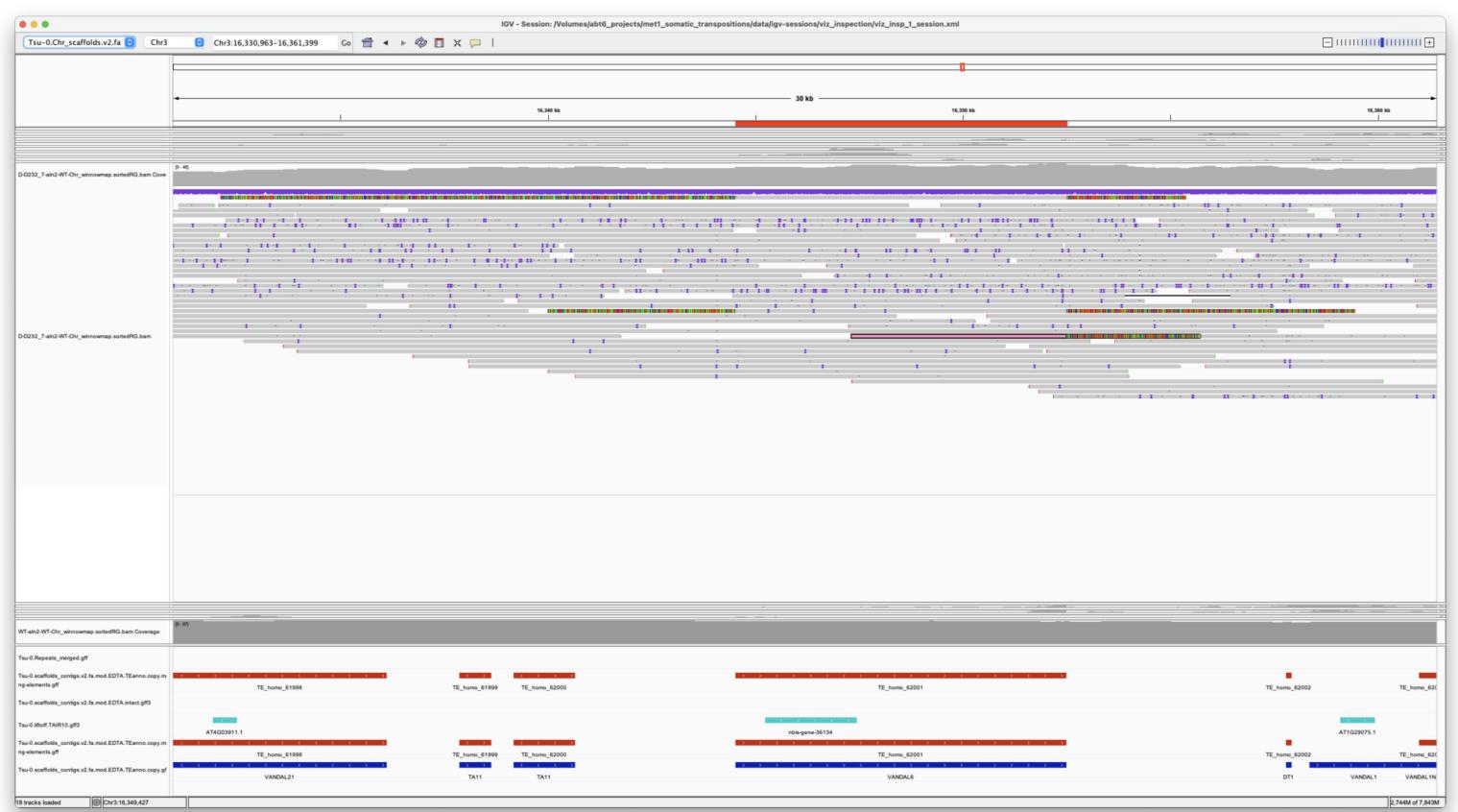
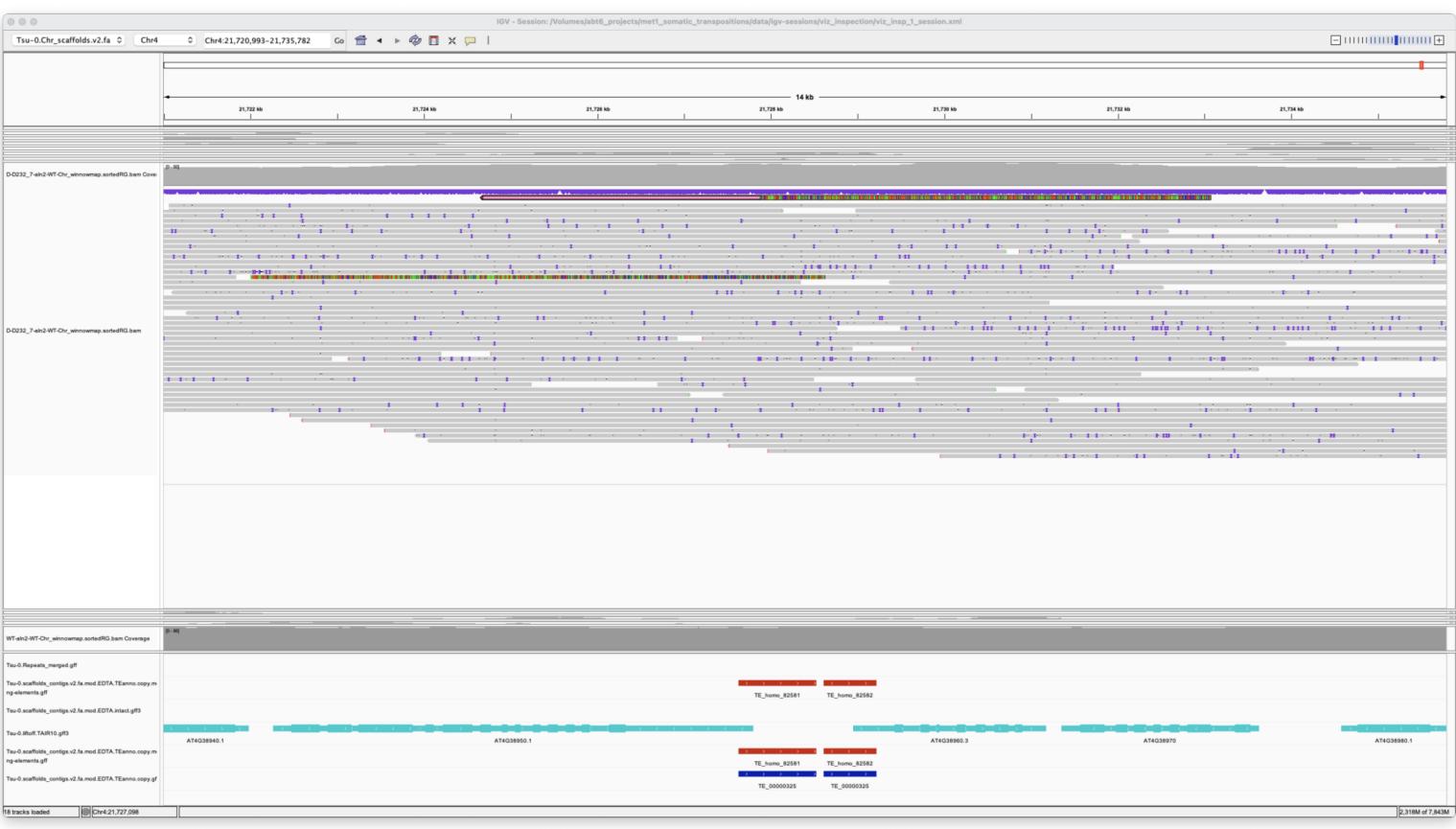
Chr4 18186288 18186288 + 1 Chr5:21419693;21425022;ATCOPA93_Evade m64079_240212_113350/135727227/ccs met1_07



Partial

Confirmed

Chromosome 3: 16344522-16352497; VANDAL m64079_221220_112036/139265760/ccs met1_07

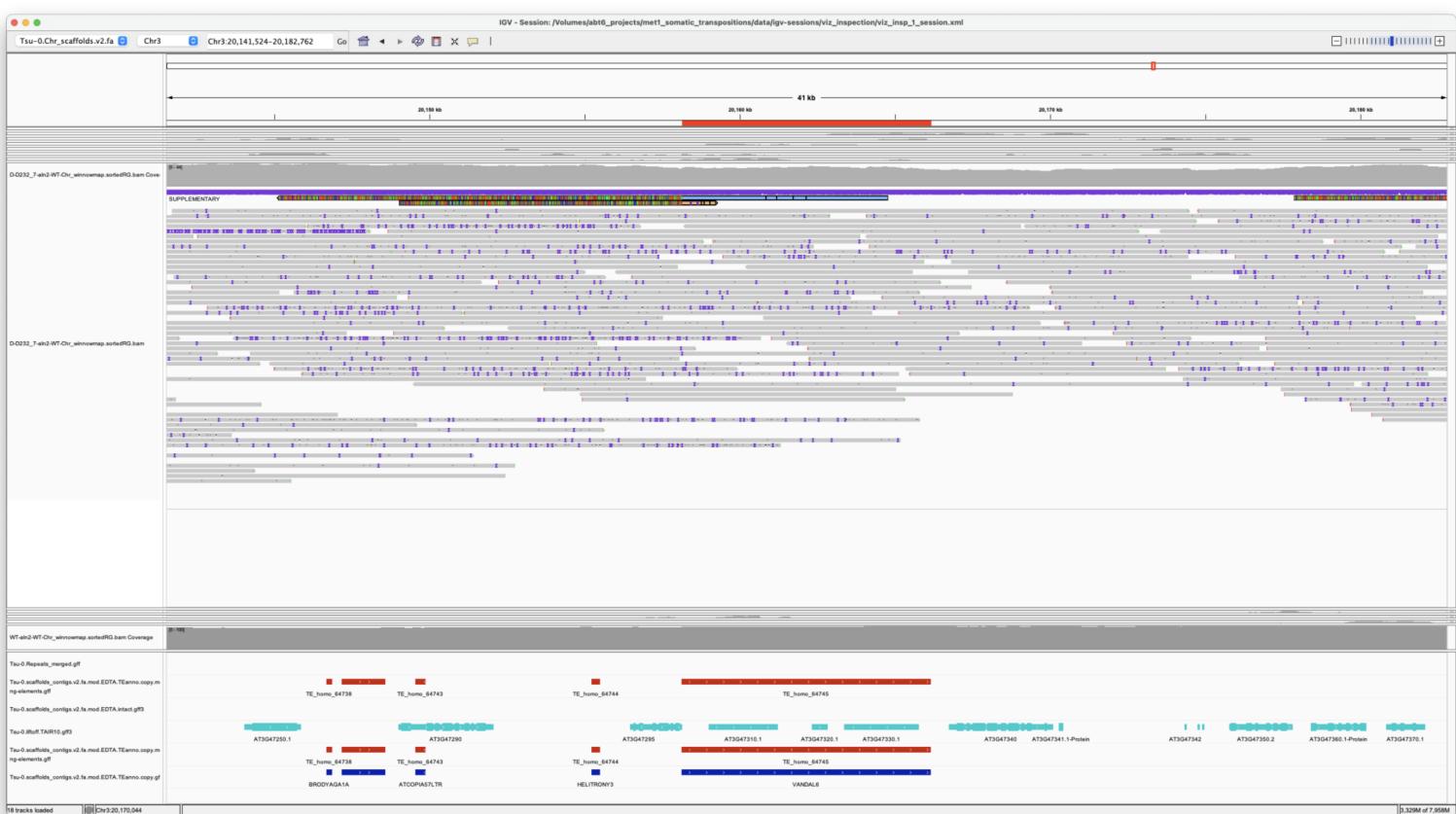
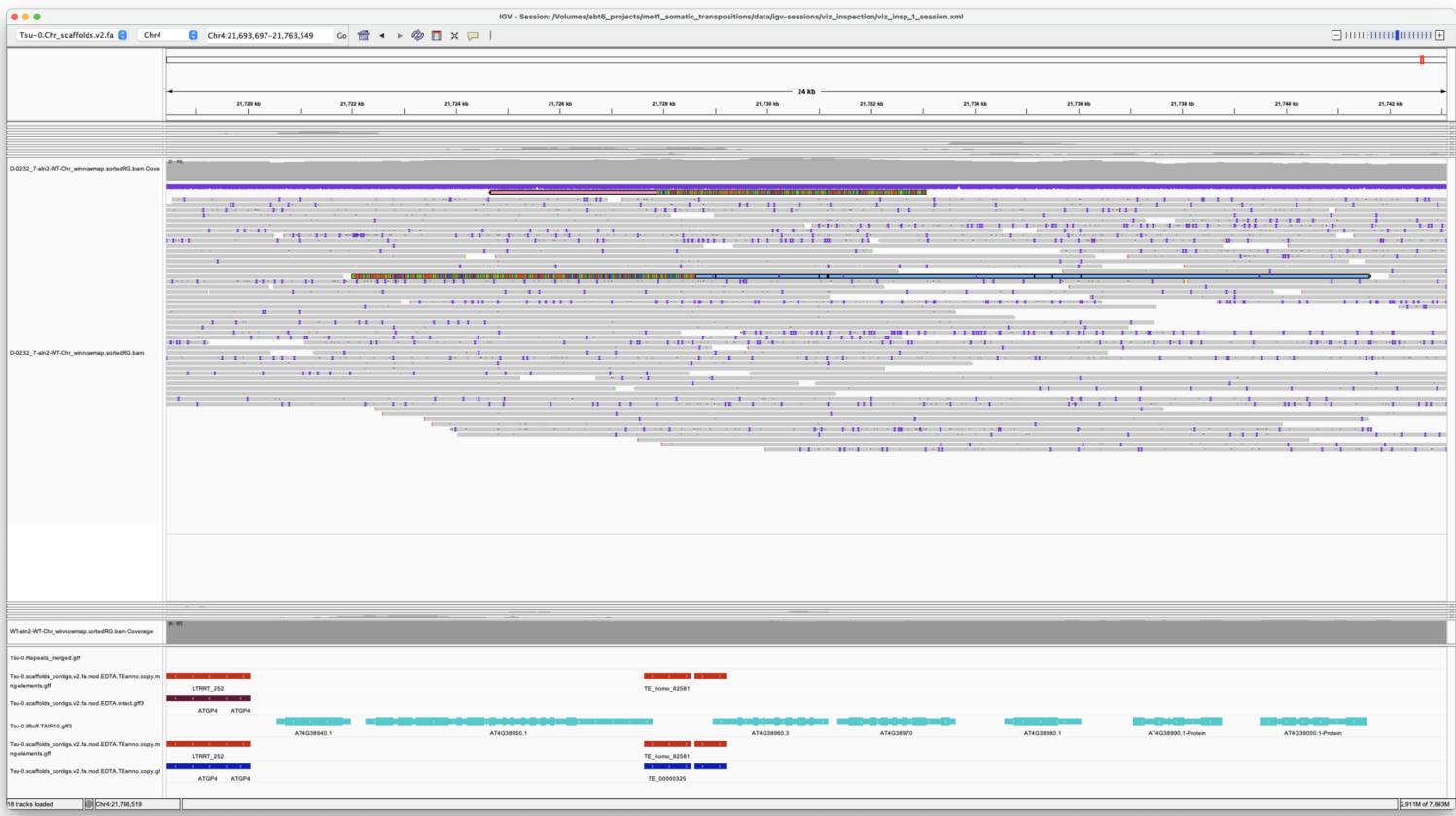


Independent transposition of a different starting VANDAL6 nearby

Partial

Confirmed

Chr4 21728624 21728624 - 1 Chr3;20158137;20166150;VANDAL6 m64079_240212_113350/55181977/ccs met1_07

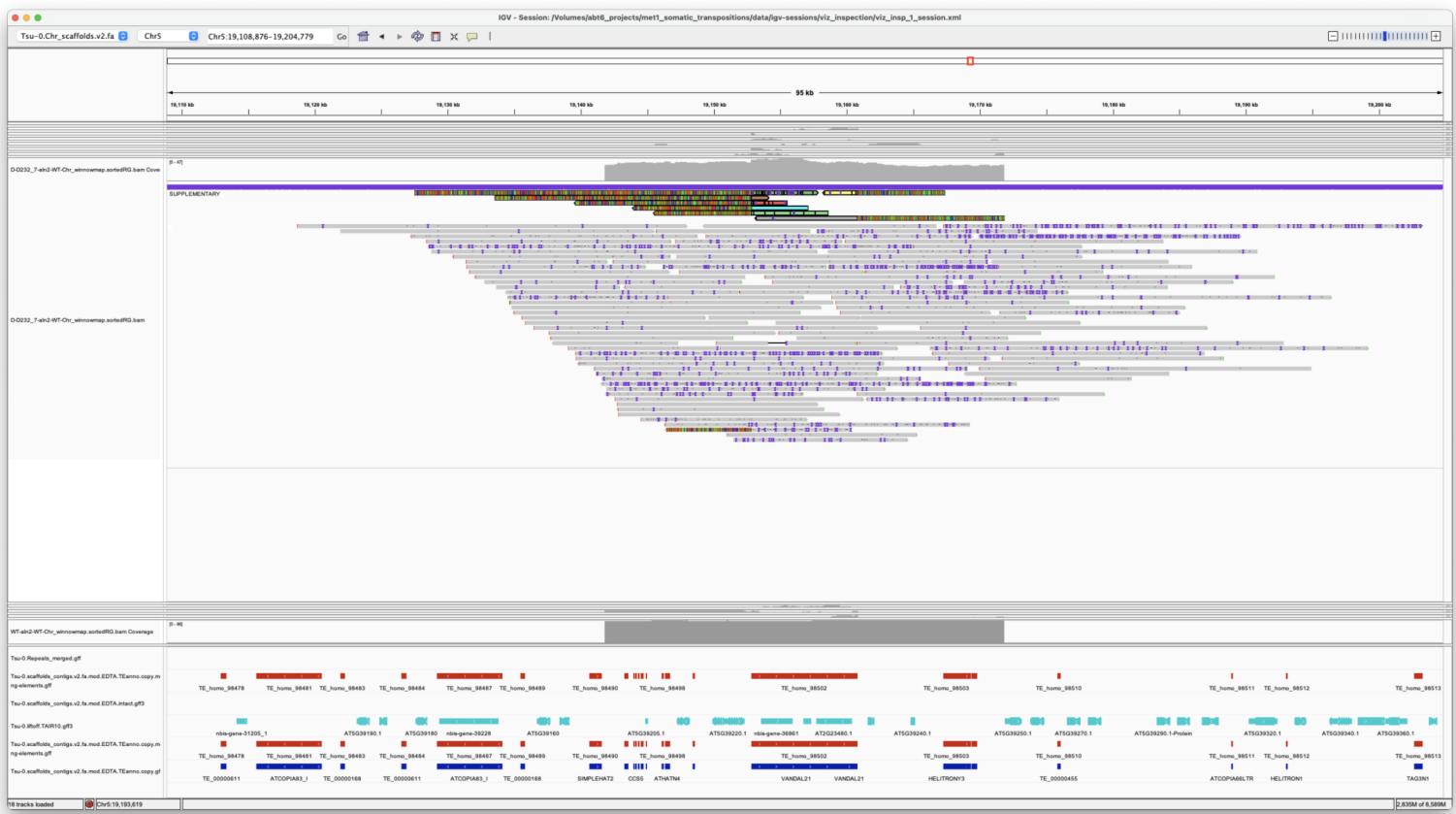
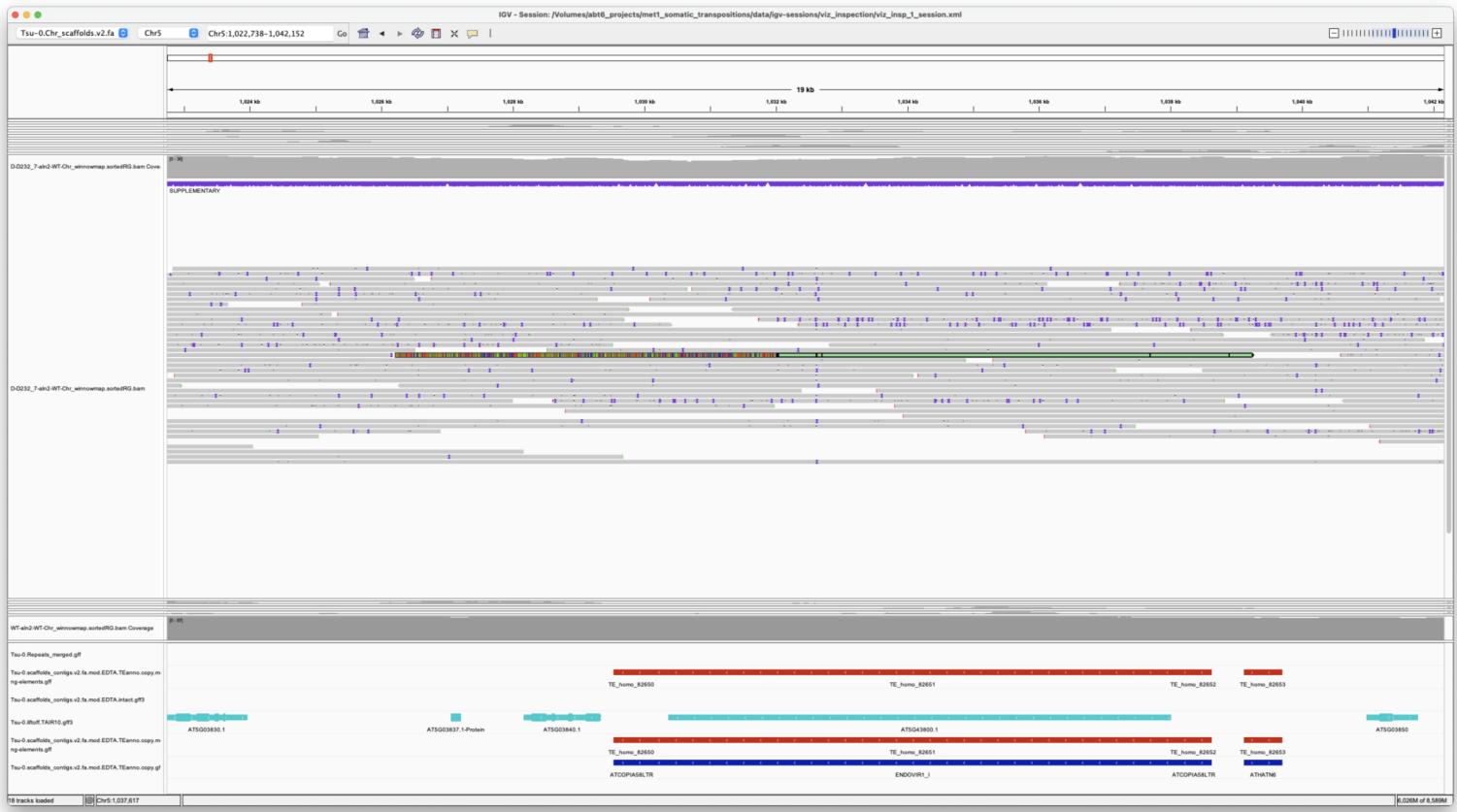


Independent transposition of a different starting VANDAL6 nearby

Partial

Confirmed

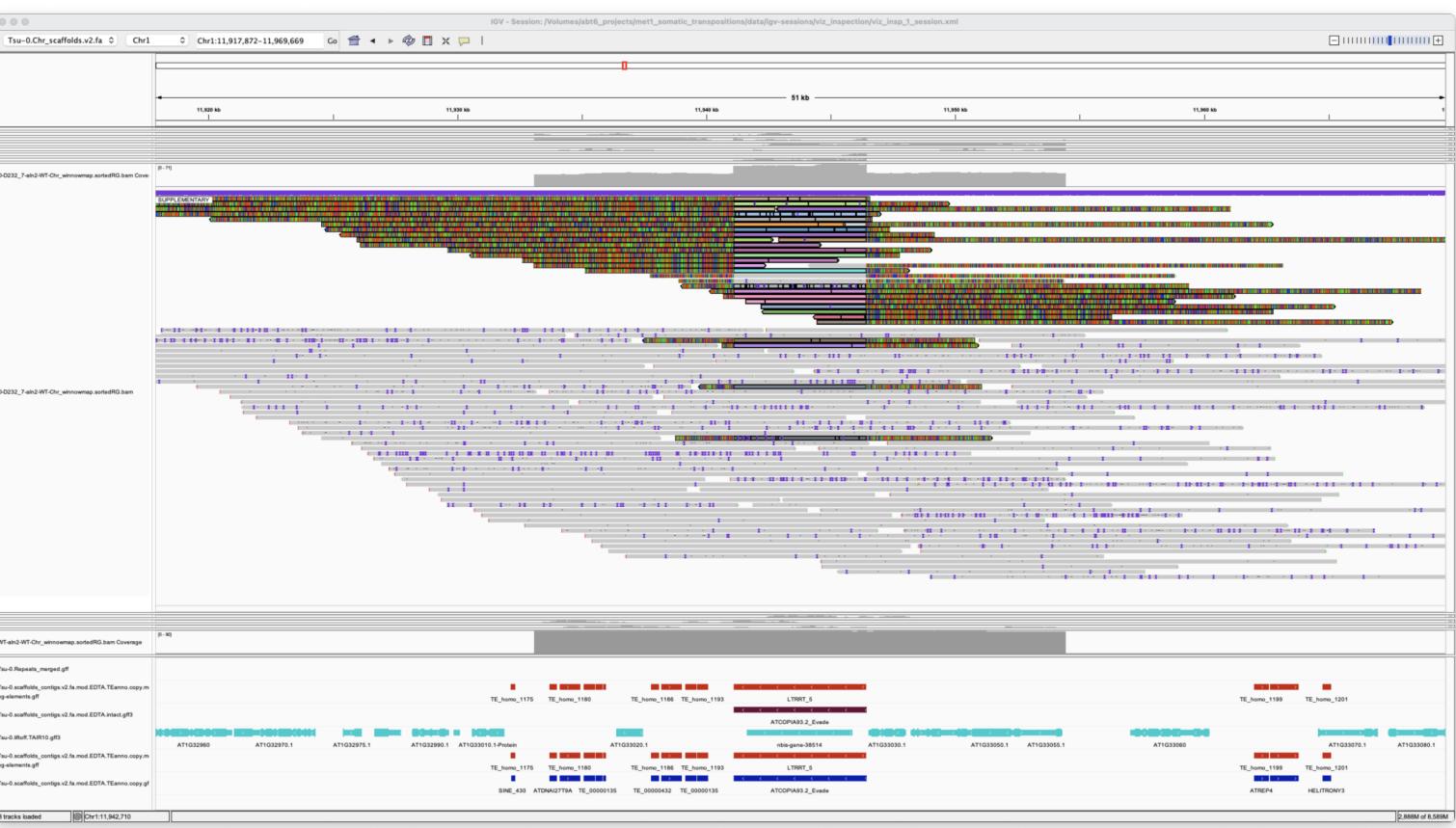
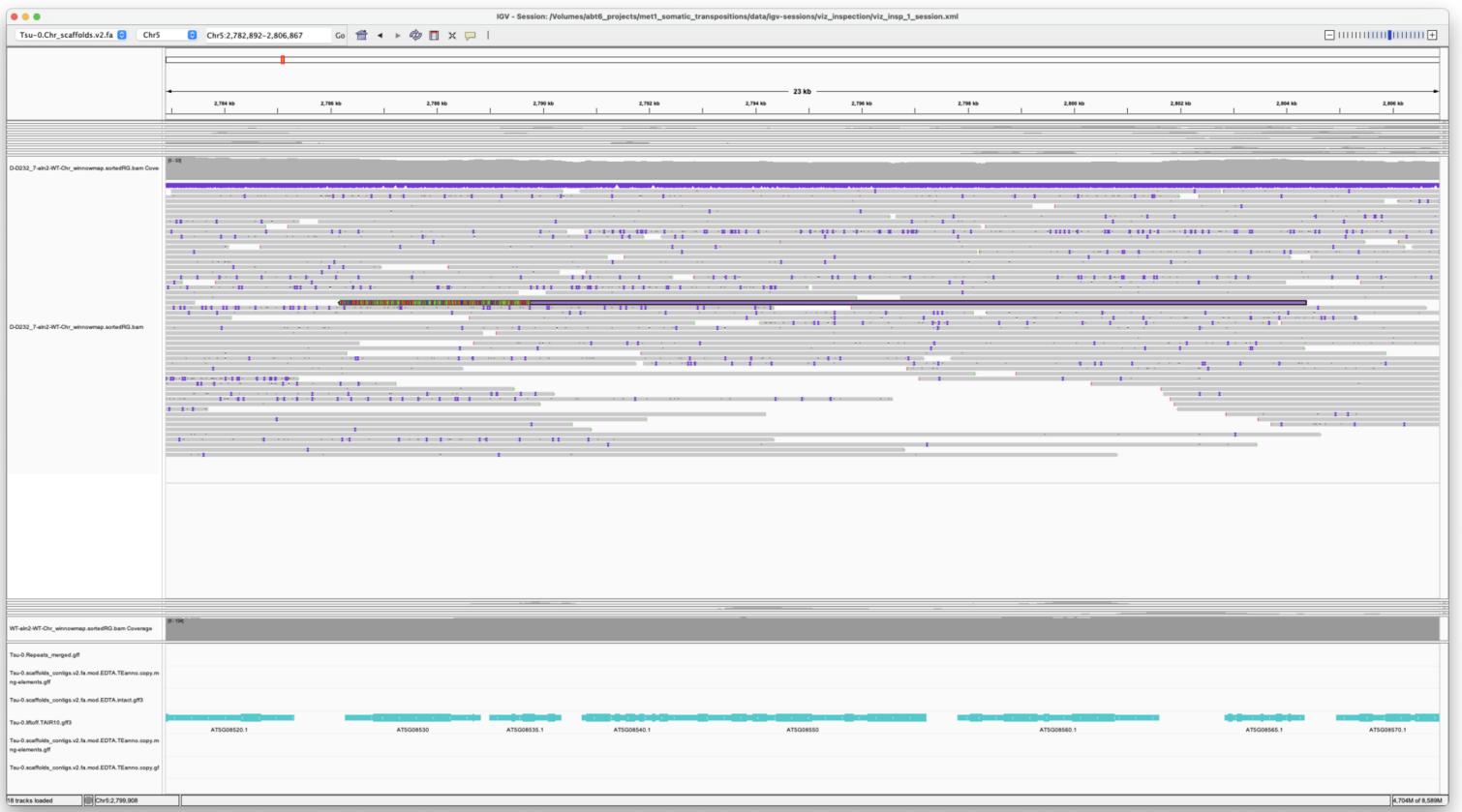
Chr5 1032011 1032011 - 1 Chr5:19152829:19160826;VANDAL21 m64079_240212_113350/38930783/ccs met1_07



Partial

Confirmed

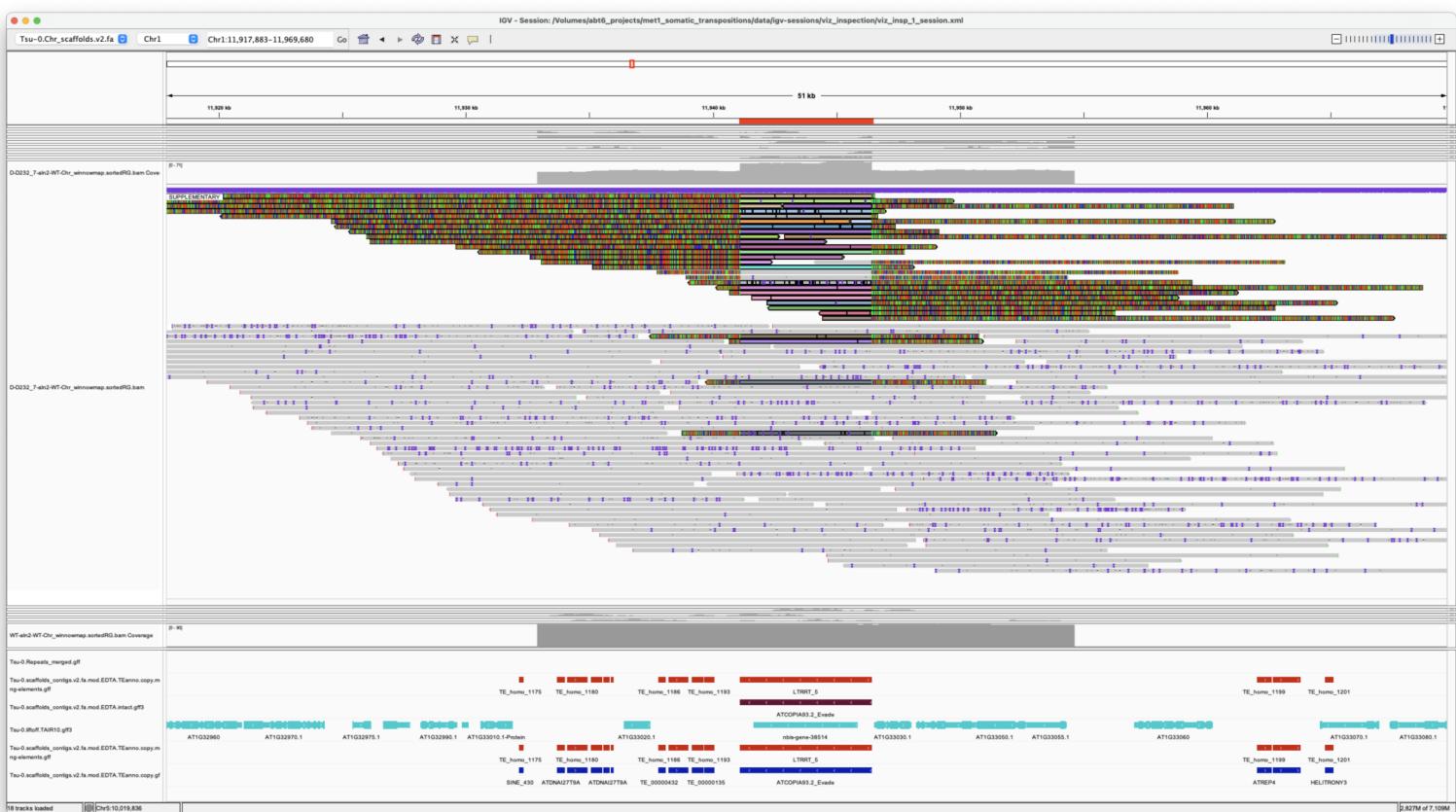
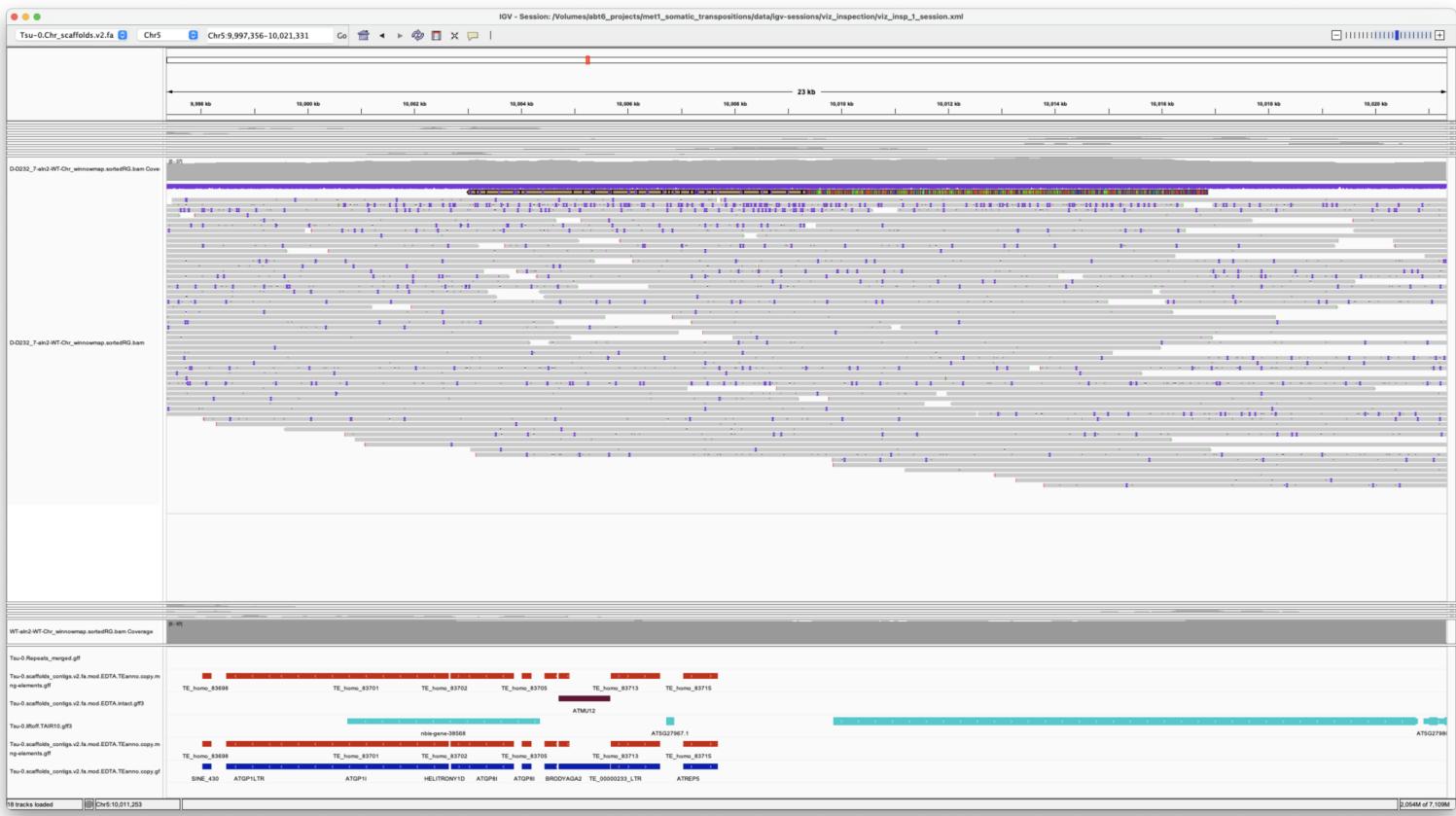
Chr5 2789752 2789752 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/18680142/ccs met1_07



Partial

Confirmed

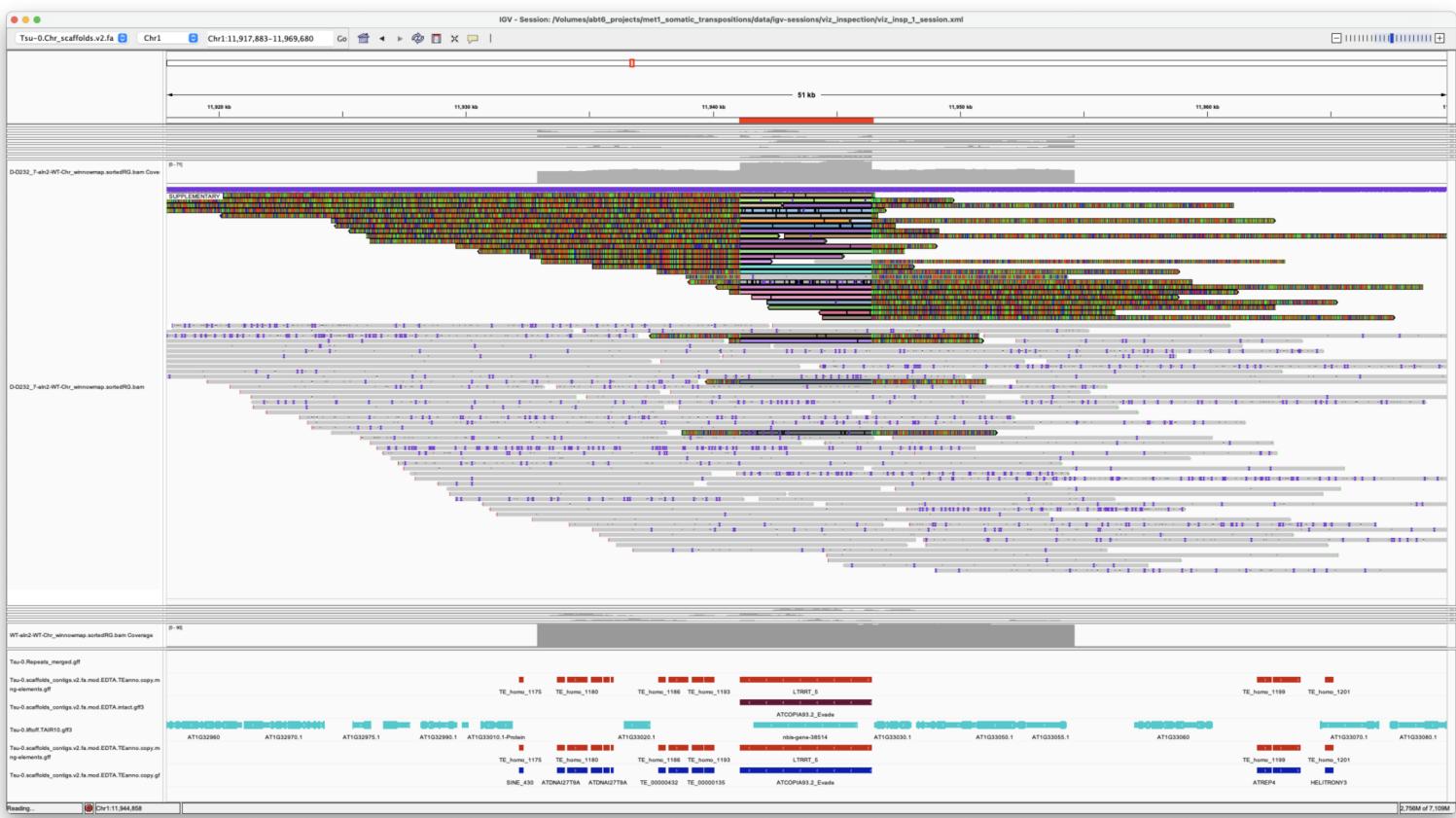
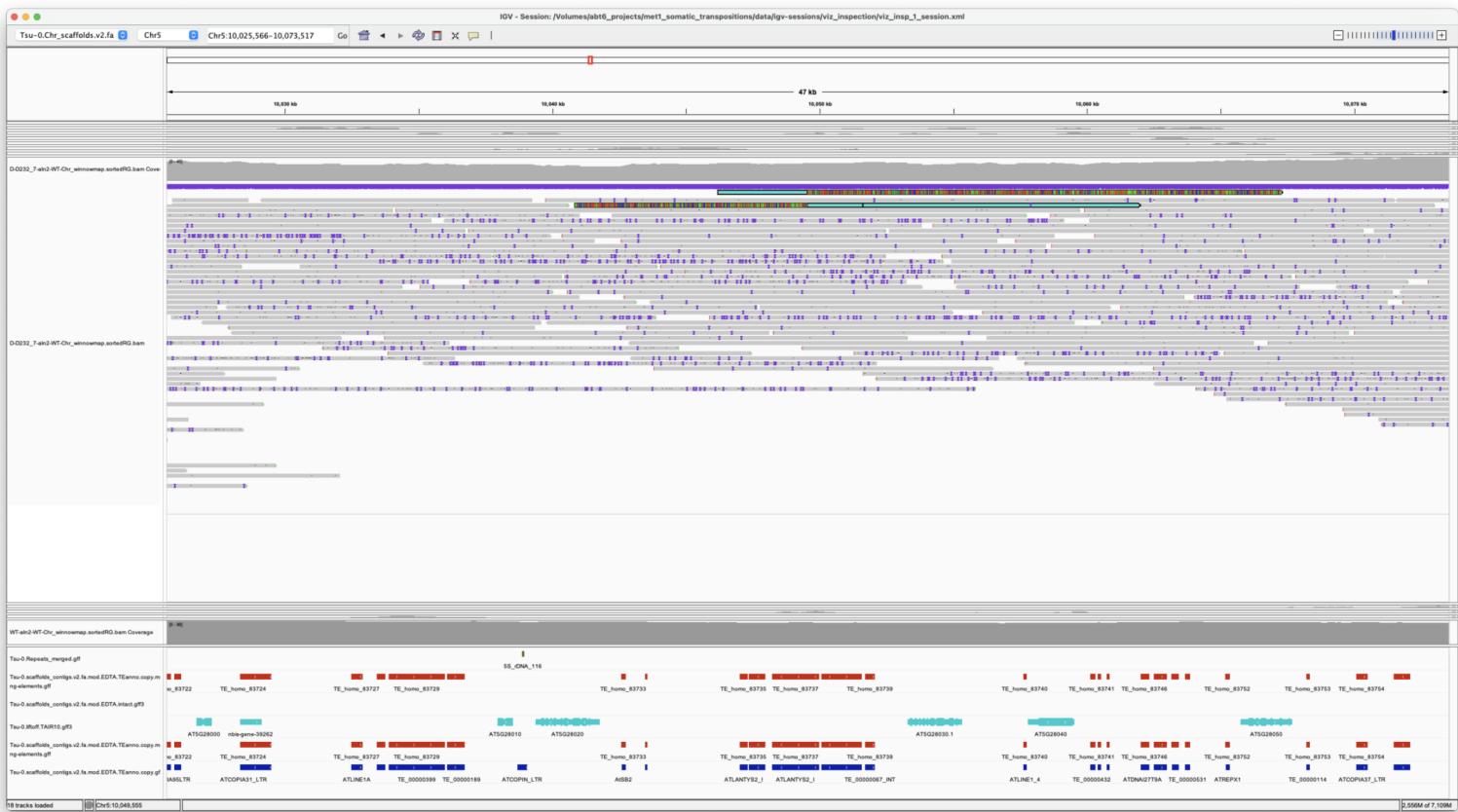
Ch5 10009344 10009344 + 1 Chr5;19152829;19160826;VANDAL21 m64079_240212_113350/69863891/ccs met1_07



Partial

Confirmed

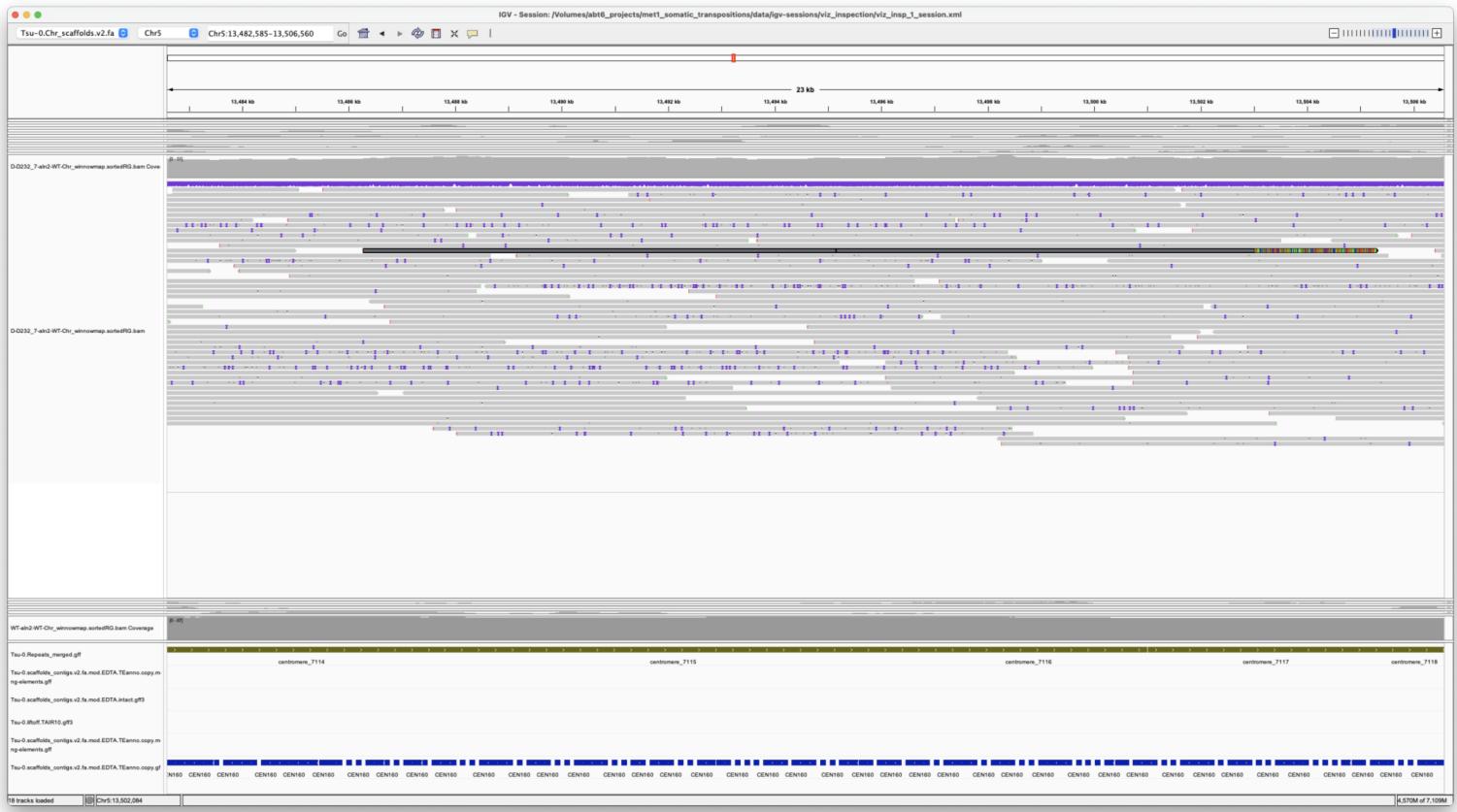
Chr5 10049542 10049542 + 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/49875104/ccs met1_07



Central
TSD

Confirmed

Chr5 13503017 13503017 - 1 Chr1;11941106;11946436;ATCOPIA93_Evade m64079_221220_112036/106431763/ccs met1_07

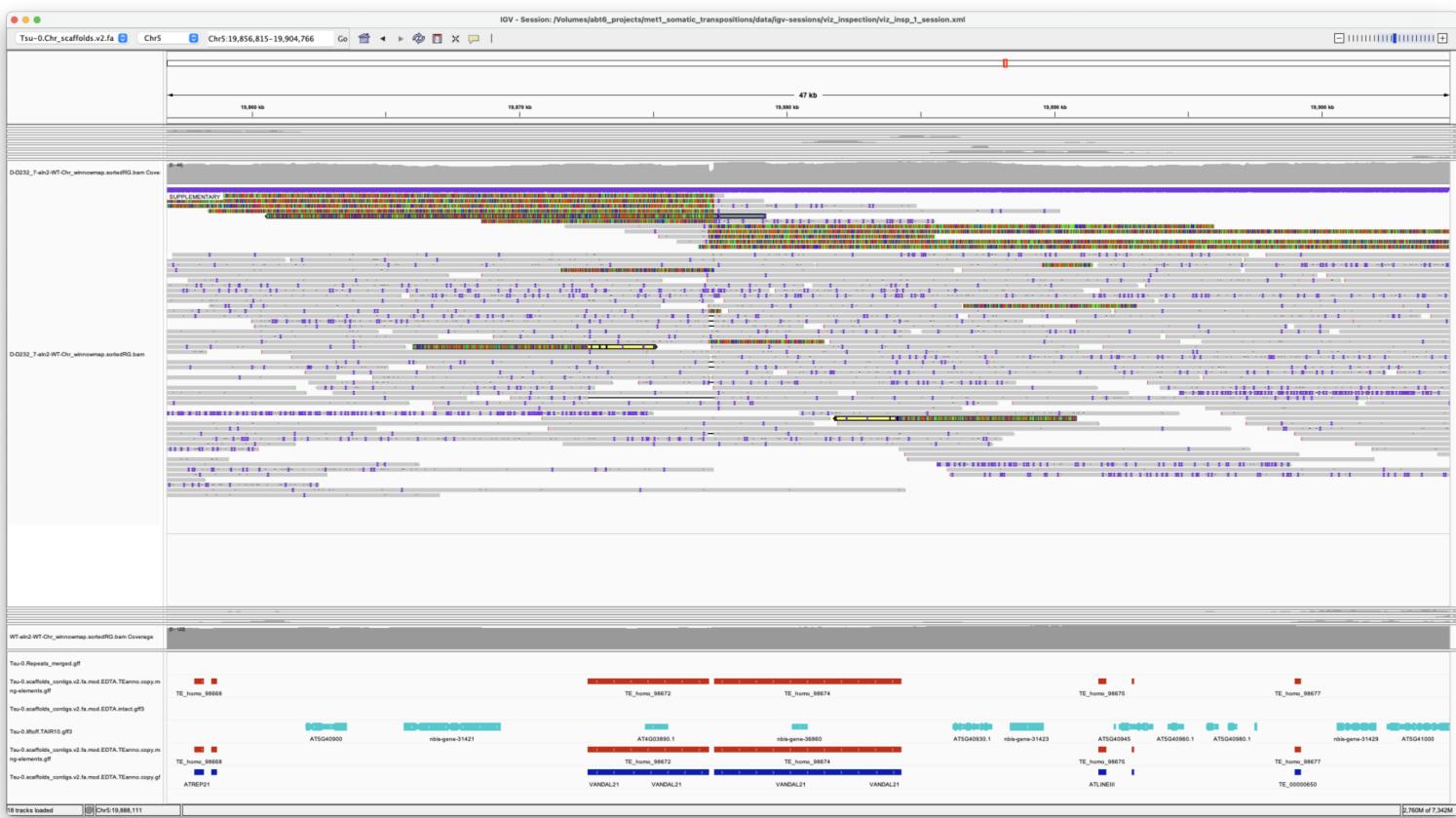
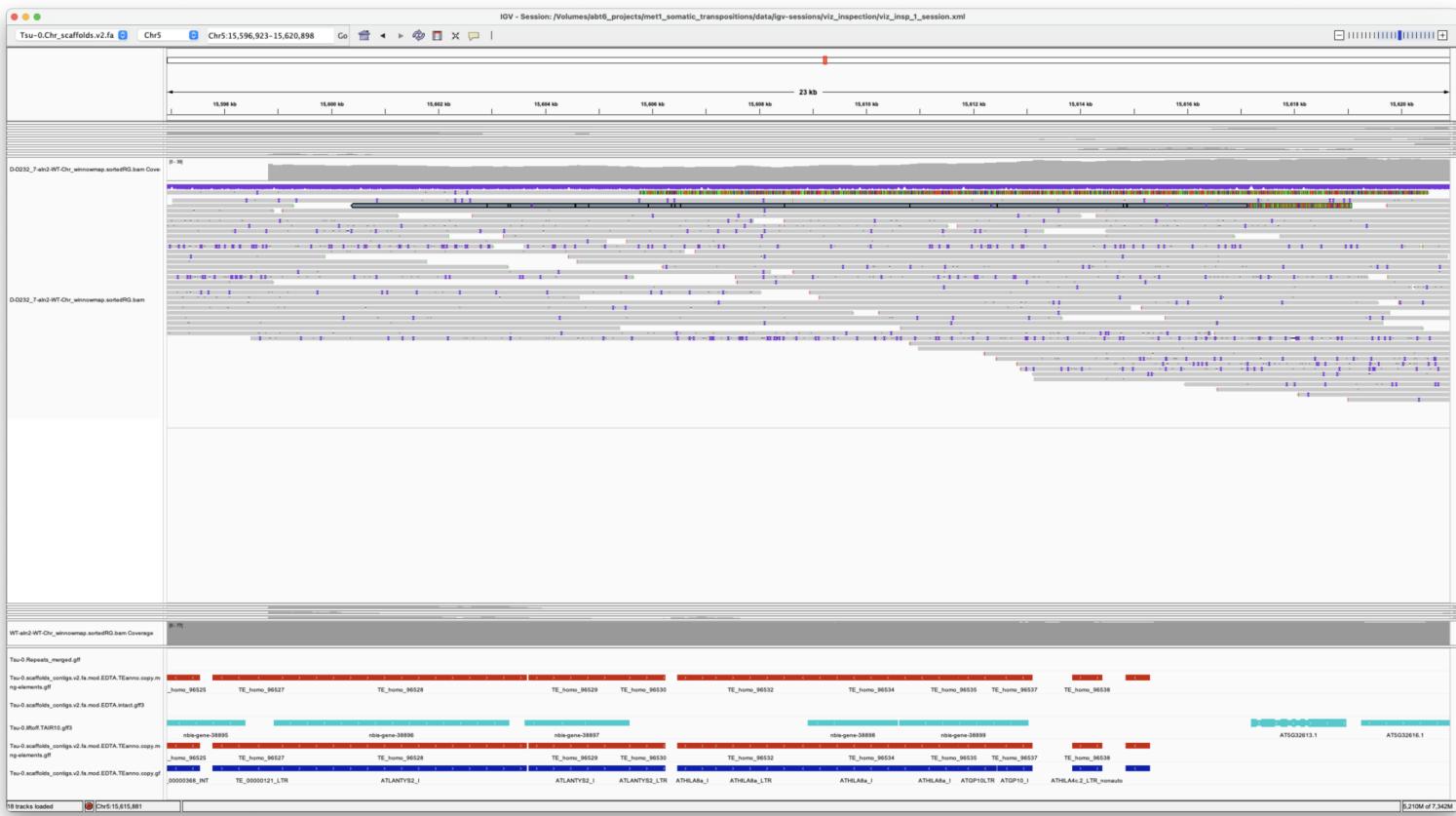


Centromeric

Partial

Confirmed

Chr5 15617123 15617123 + 1 Chr5:19877283;19884298;VANDAL21 m64079_221220_112036/152896694/ccs met1_07



Hypermutable region

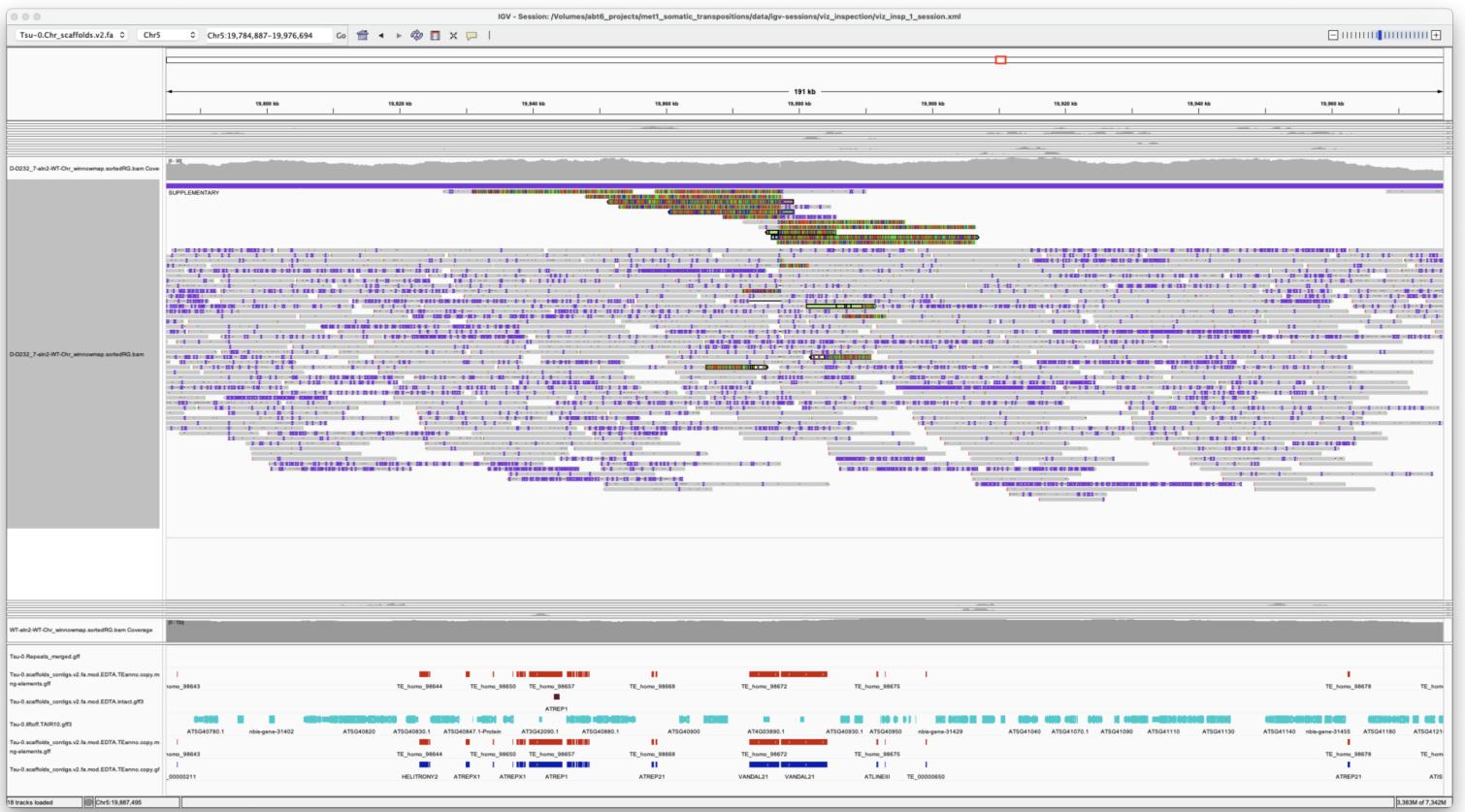
Rearrangement

unsupported

Chr5 19405545 19405545 - 1 Chr5;19872565;19877095;VANDAL21 m64079_240212_113350/62325150/ccs met1_07

Chr5 19889563 19889563 - 1 Chr5;19872565;19877095;VANDAL21 m64079_240212_113350/5374539/ccs met1_07

Chr5 2240994 2240994 + 1 Chr5;19877283;19884298;VANDAL21 m64079_240212_113350/151914089/ccs met1_07

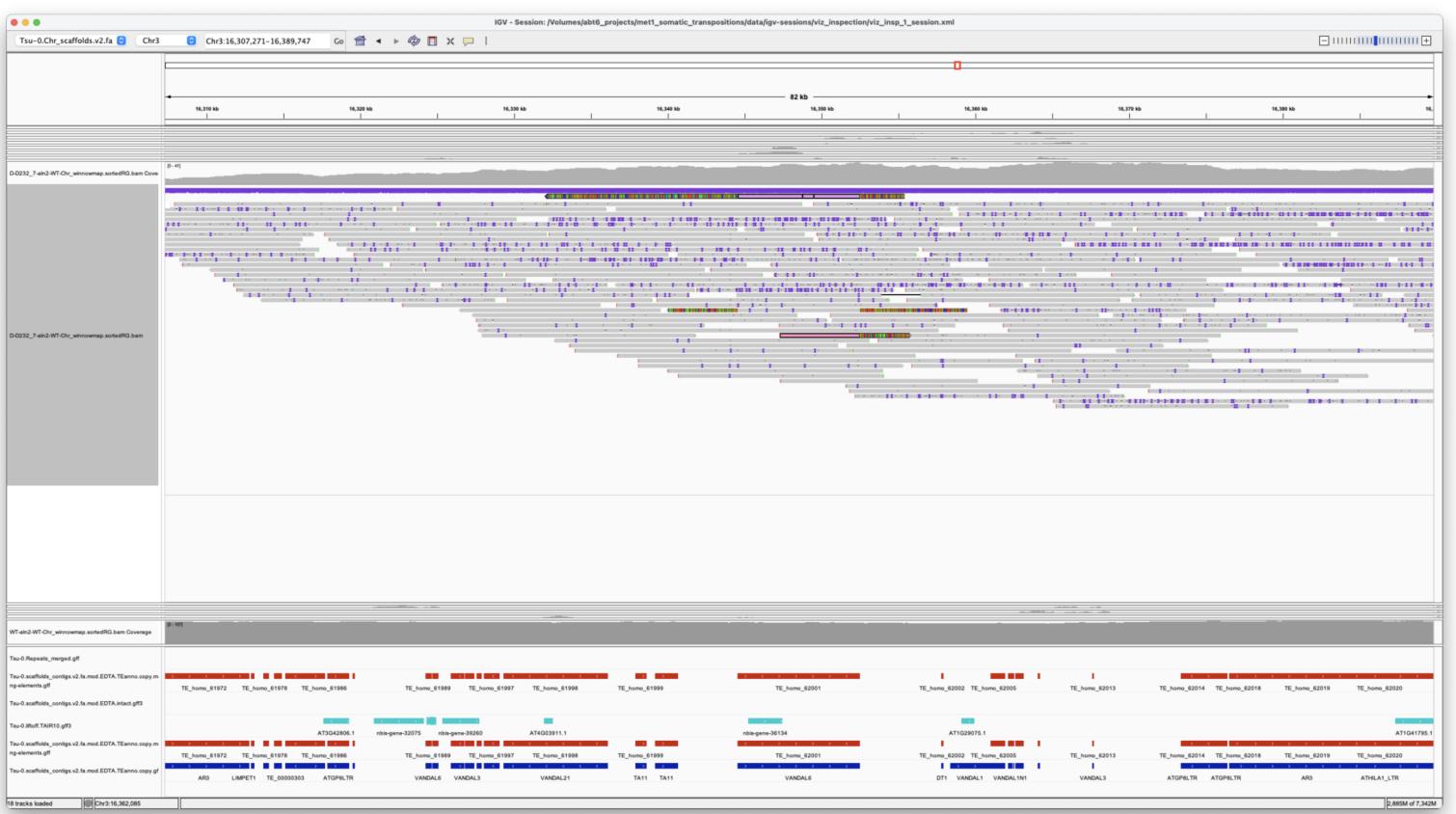
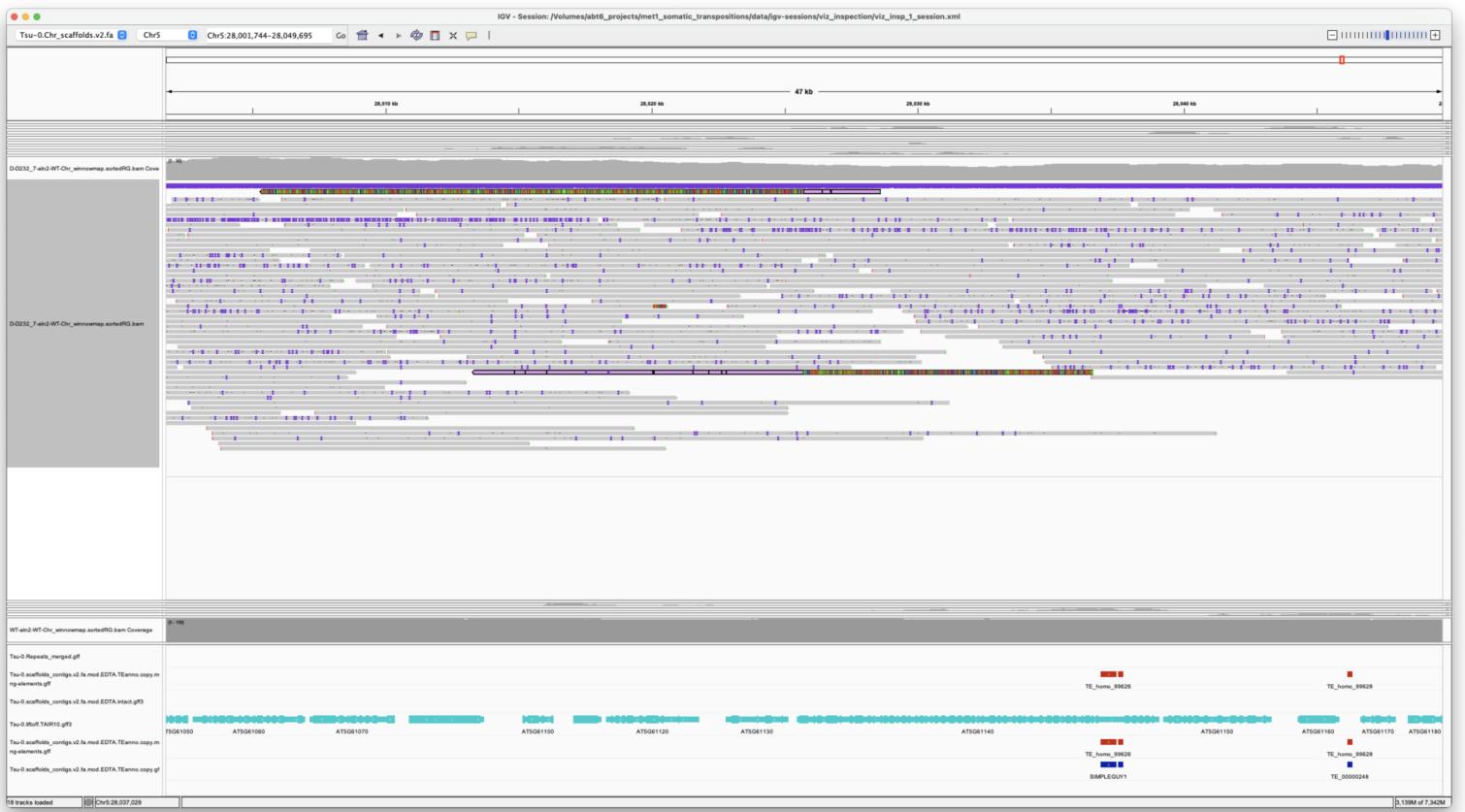


Hypermutable region

OTHER REARRANGEMENTS

unsupported

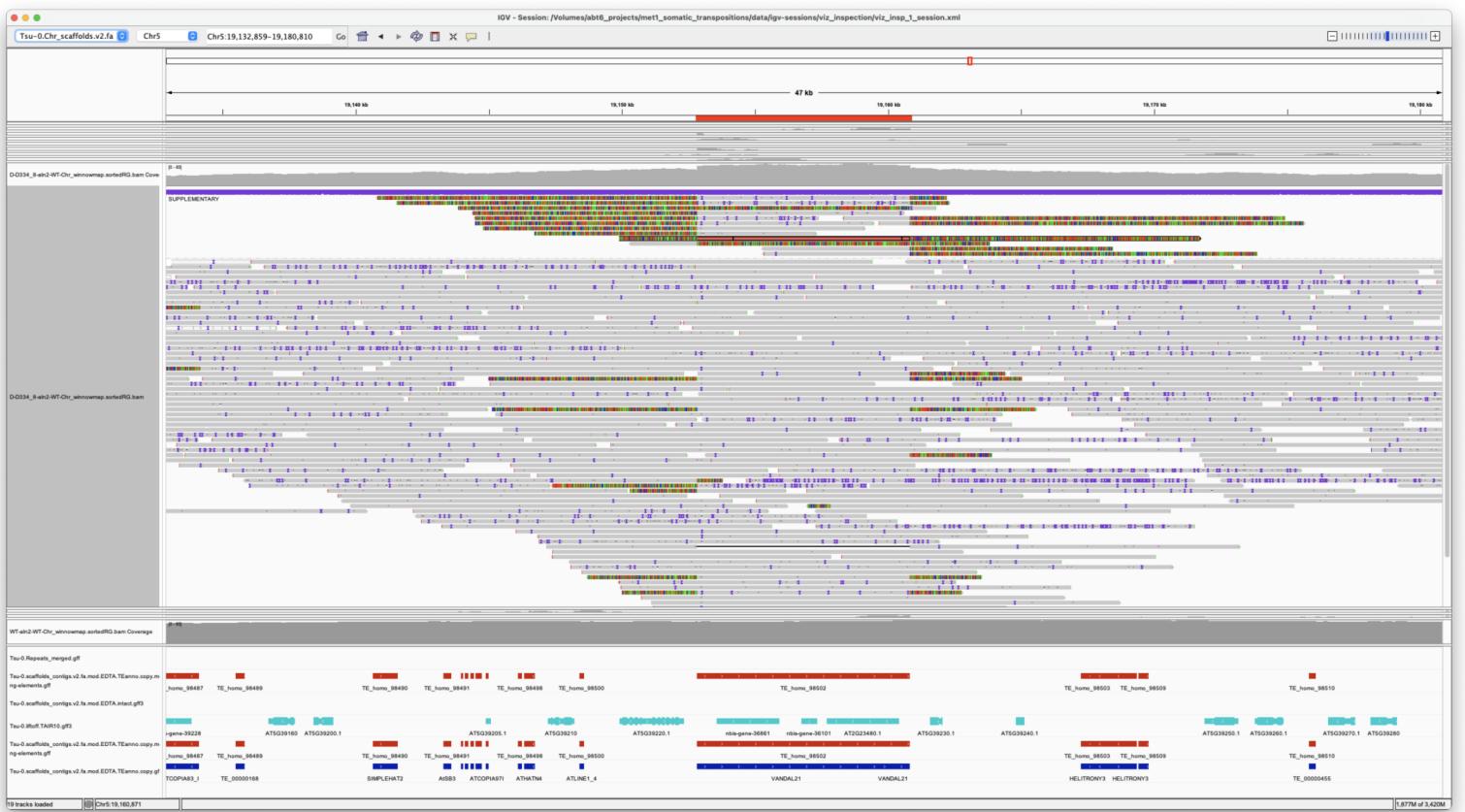
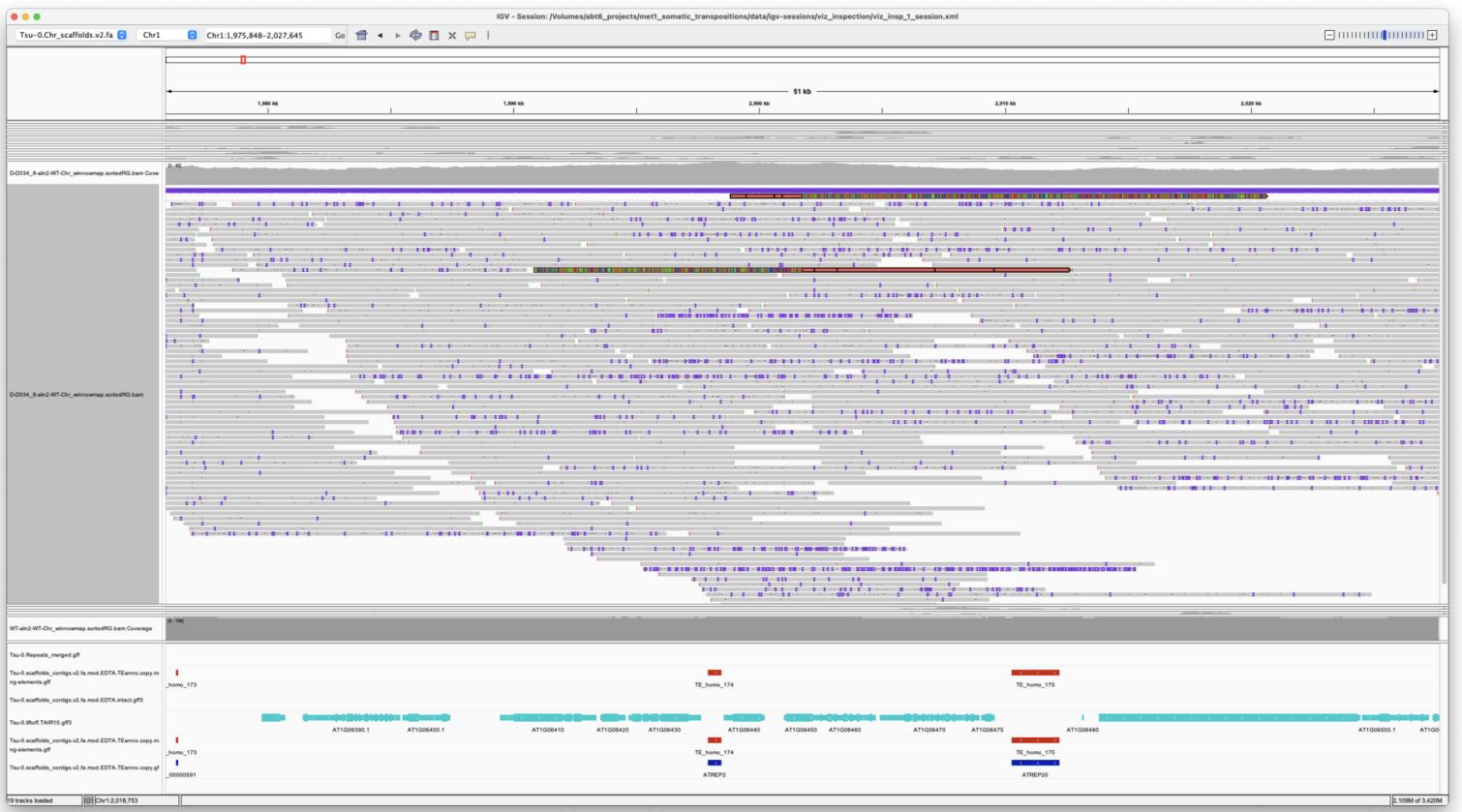
Chr5 28025720 28025720 + 1 Chr3;16344522;16352497;VANDAL6 m64079_240212_113350/158138475/ccs met1_07



Central
TSD

Confirmed

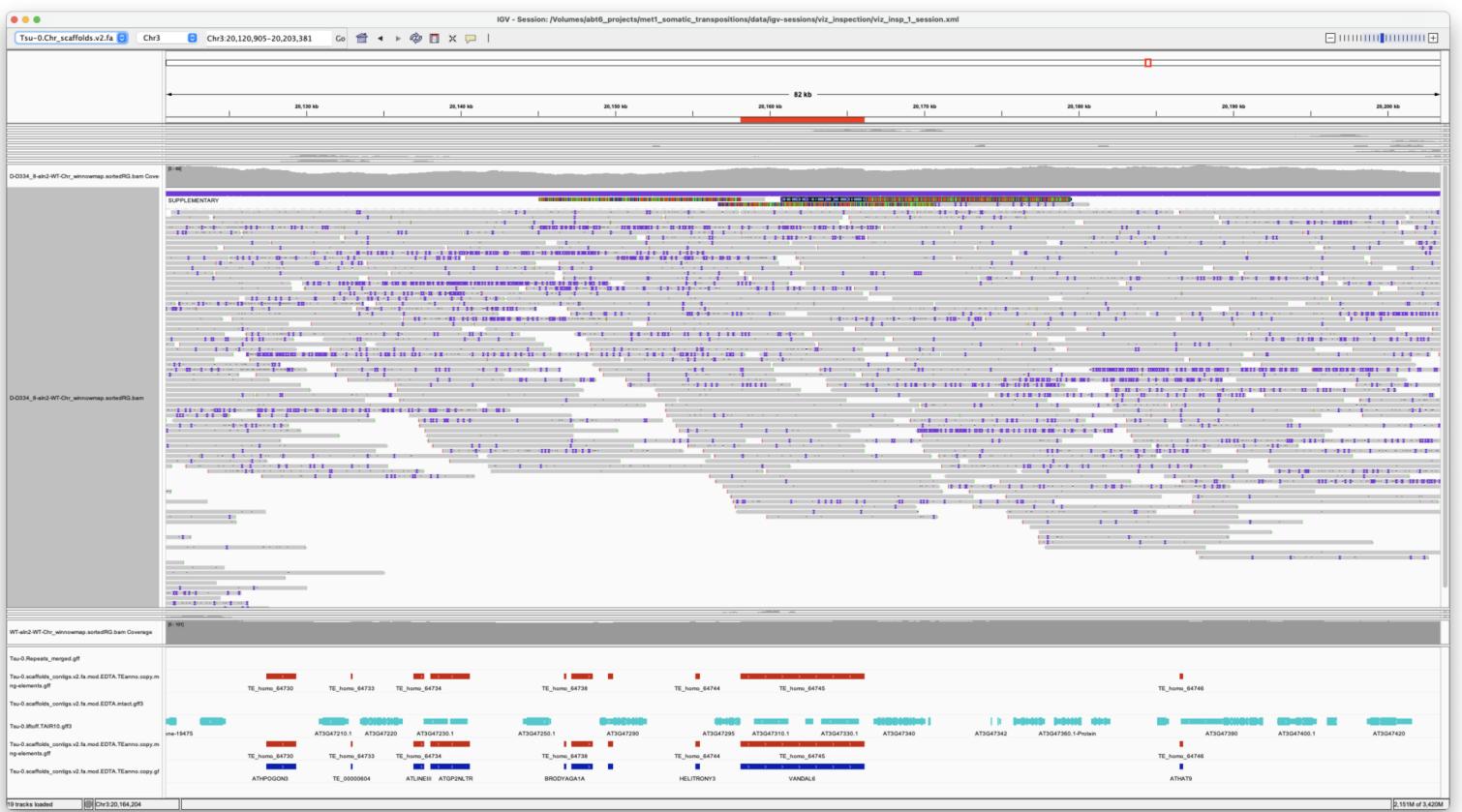
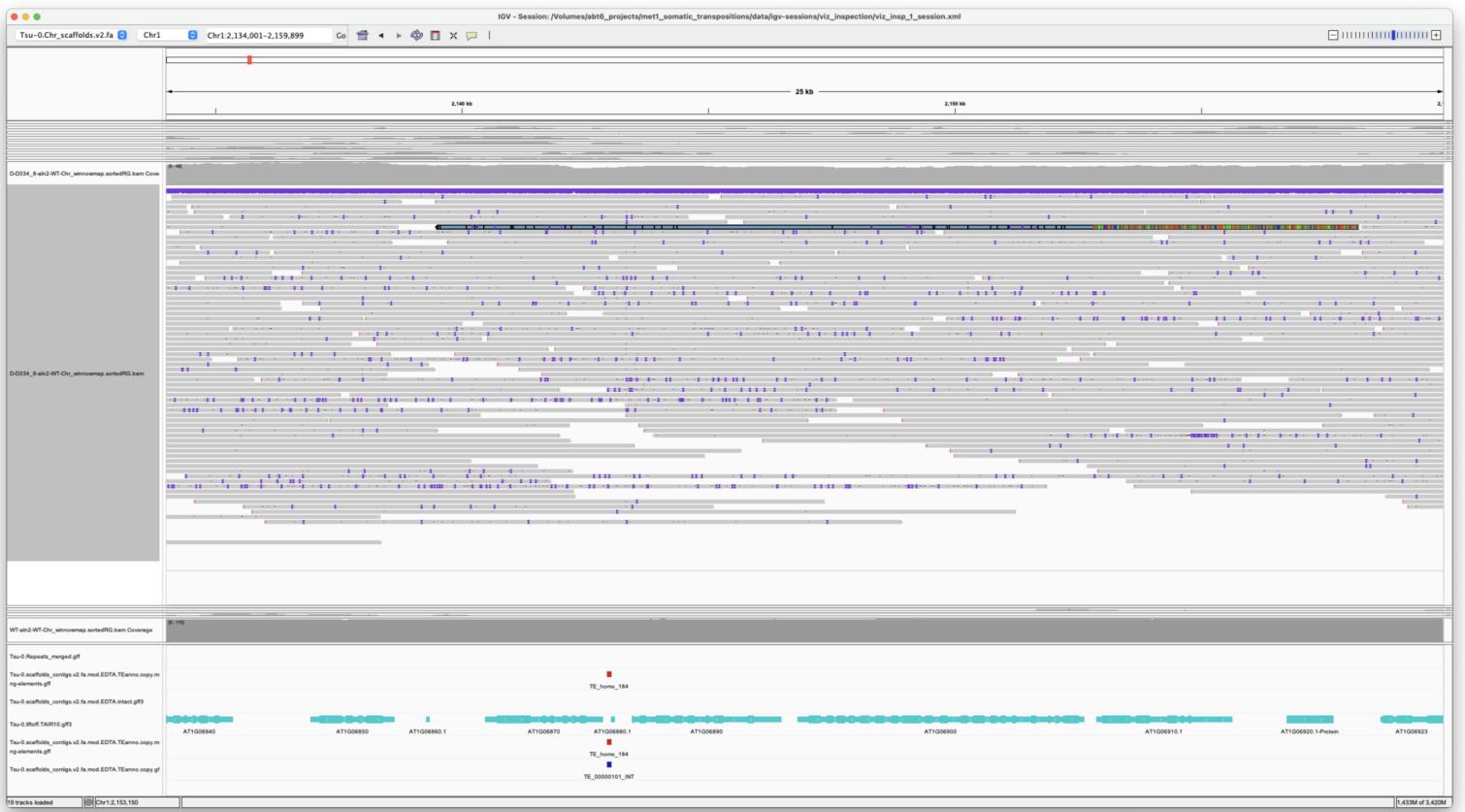
met1_08



Central
TSD

Confirmed

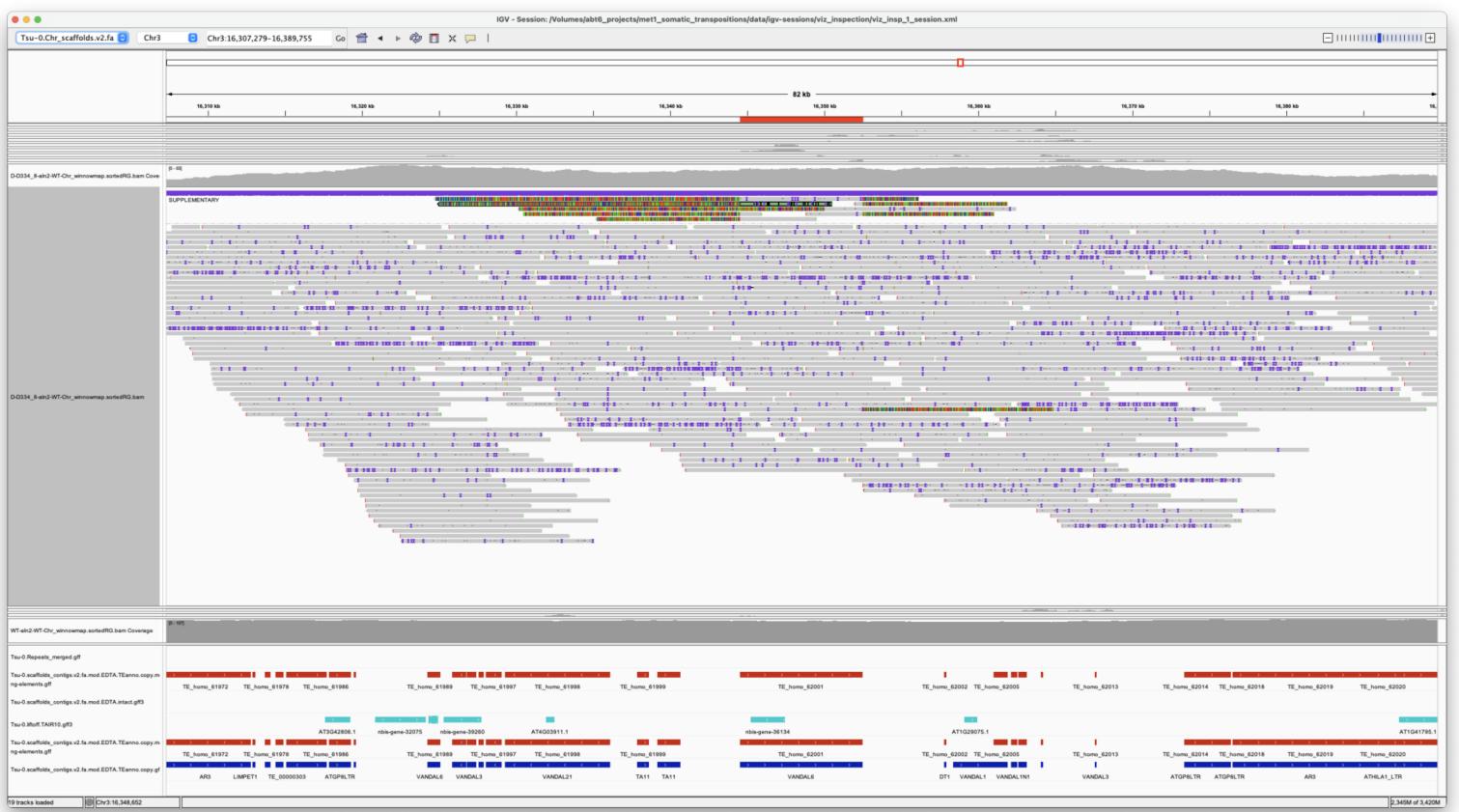
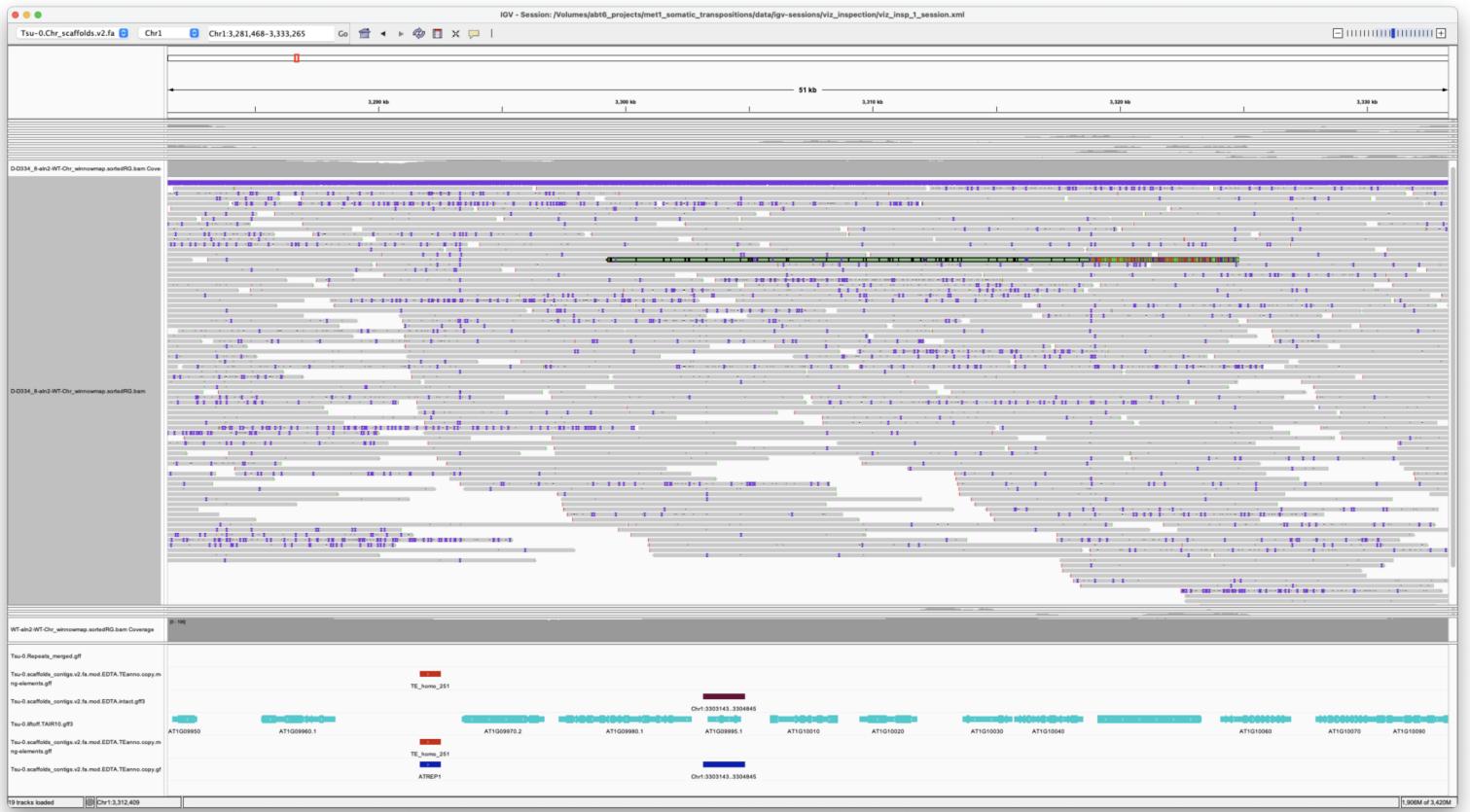
Chr1 2152817 2152817 - 1 Chr3;20158137;20166150;VANDAL6 m64079_221220_112036/29884628/ccs met1_08



Partial

Confirmed

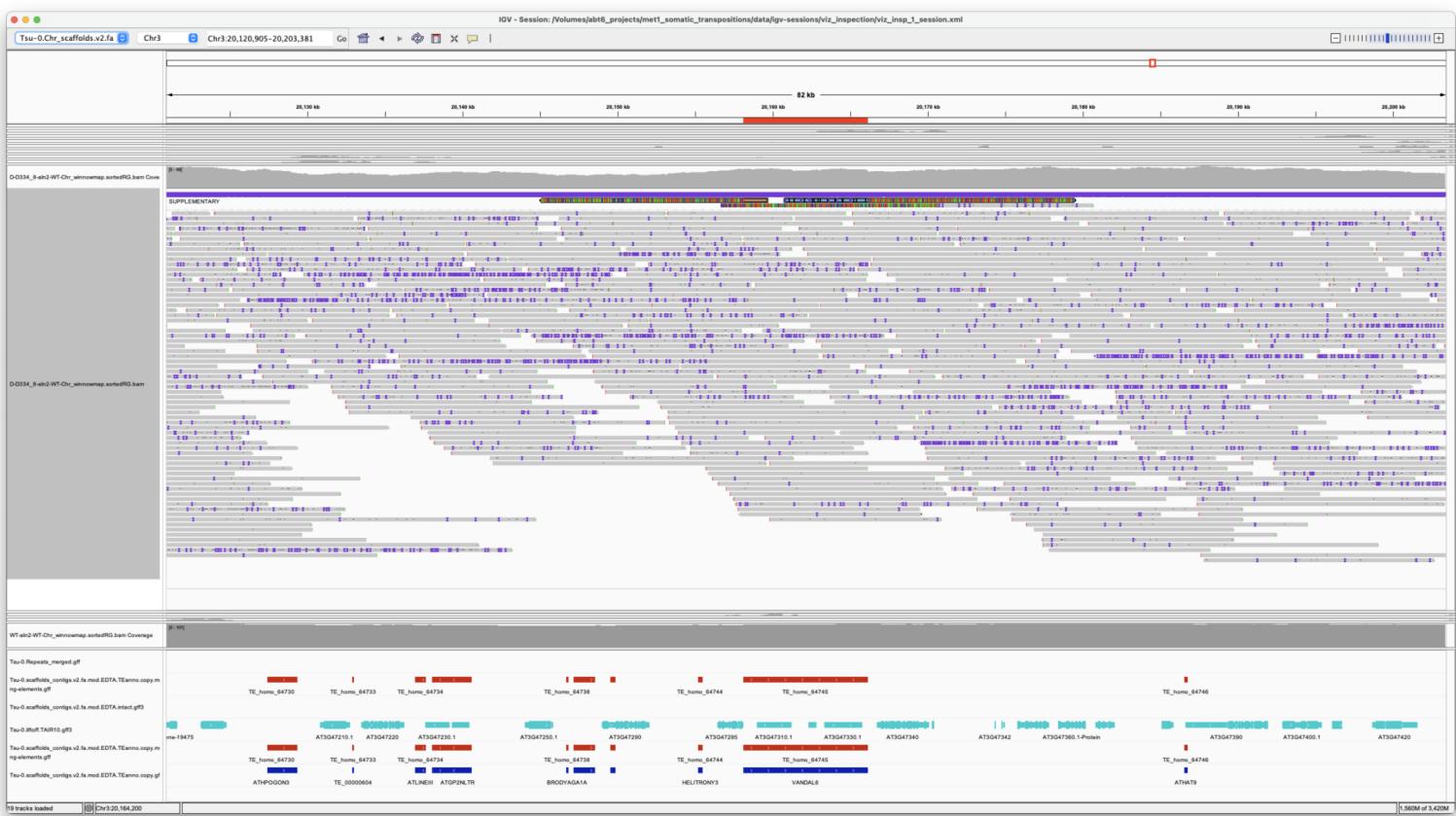
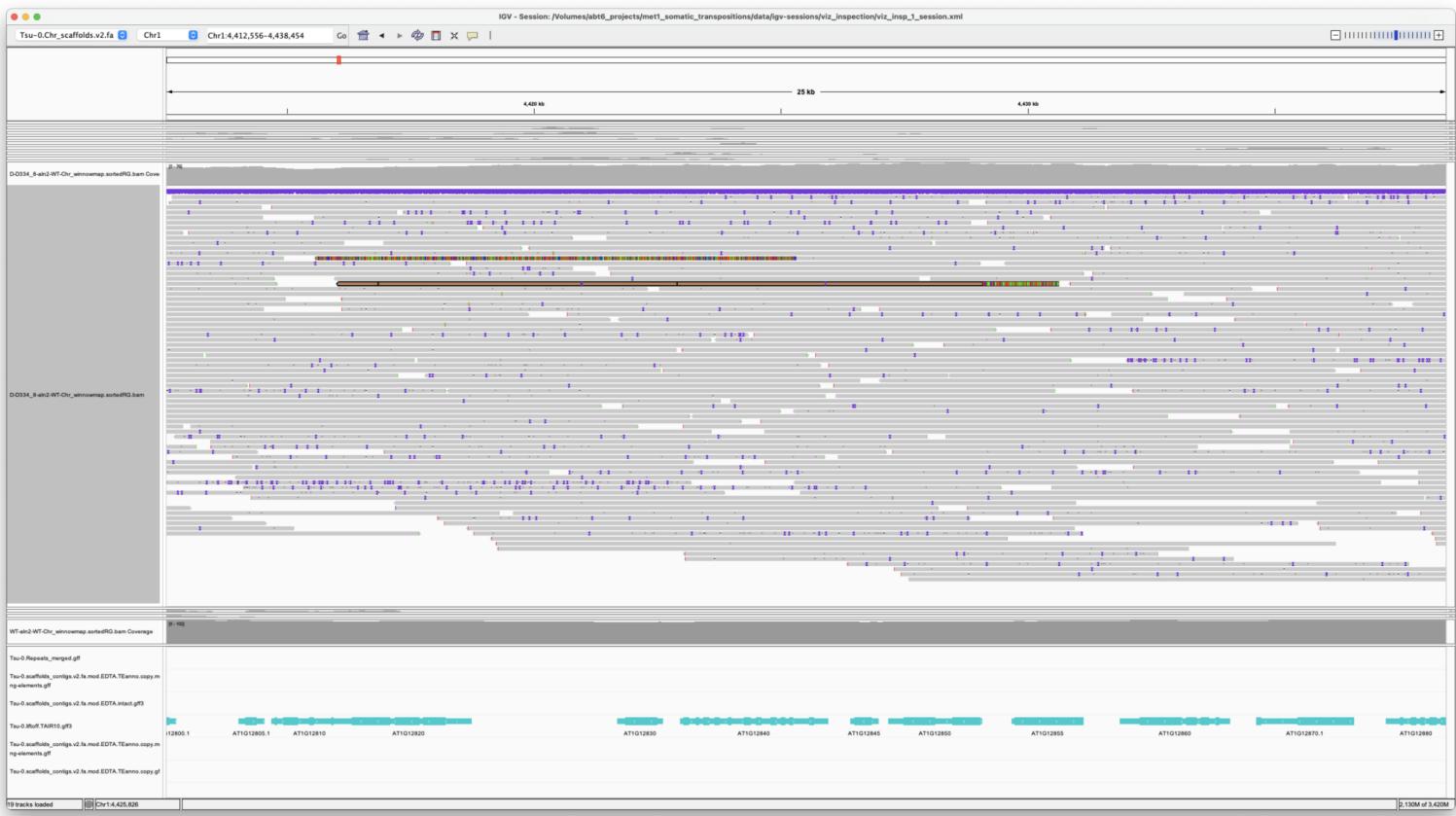
Chr 3318828 3318828 + 1 Chr3:16344522;16352497;VANDAL6 m64079_240212_113350/53741303/ccs met1_08



Partial

Confirmed

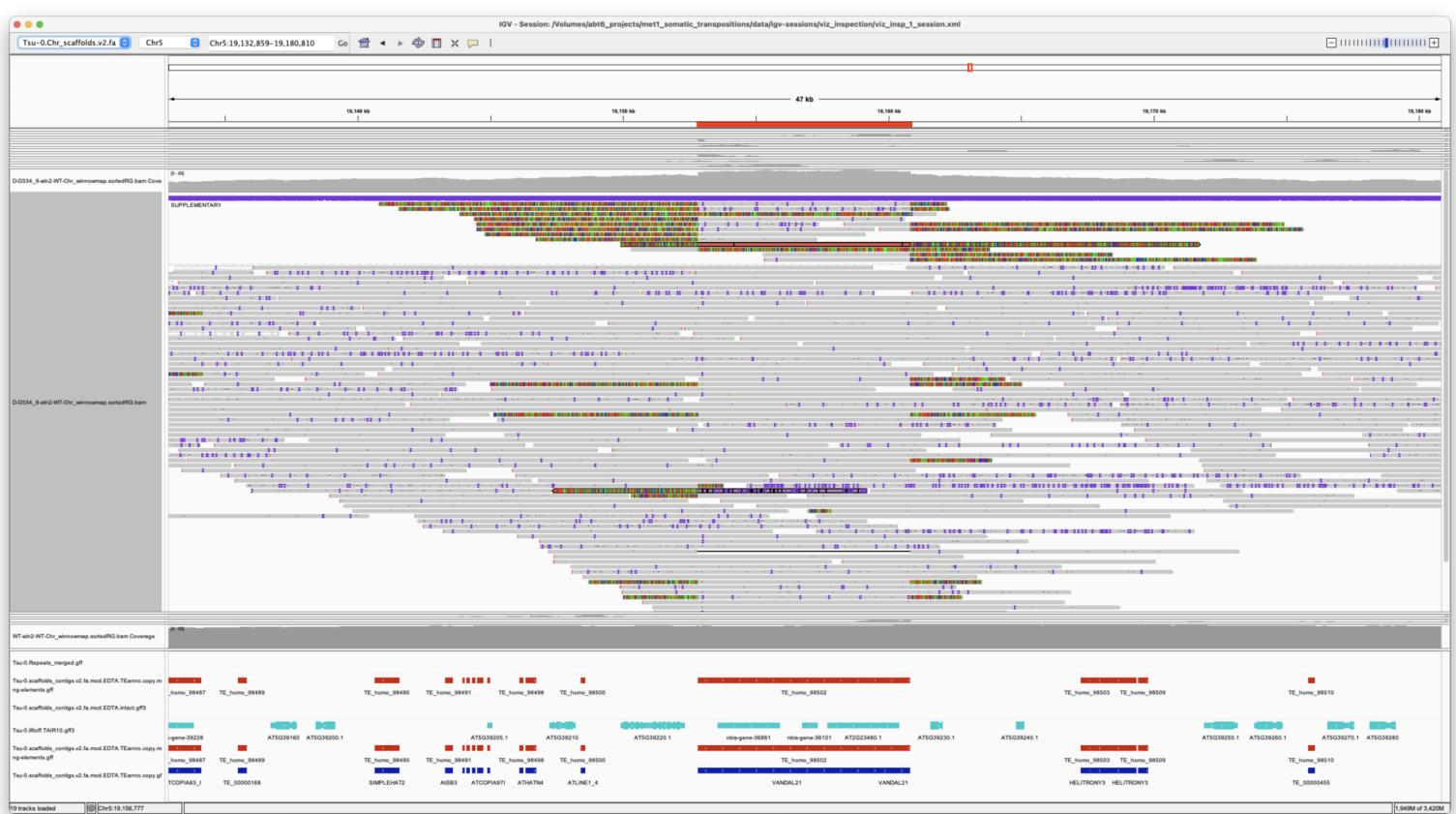
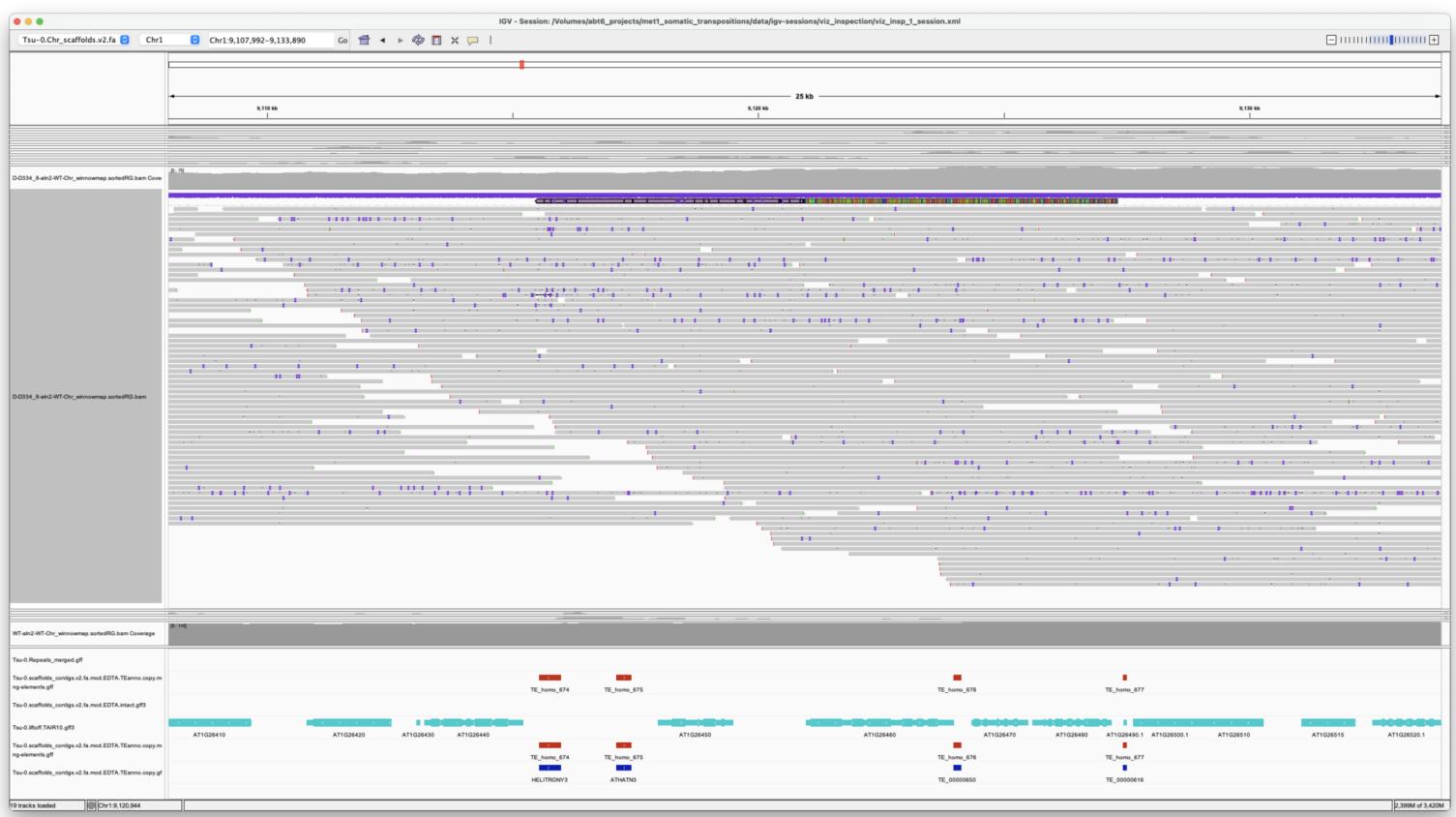
Chr1 4429093 4429093 + 1 Chr3:20158137:20166150; VANDAL6 m64079_221220_112036/133432715/ccs met1_08



Partial

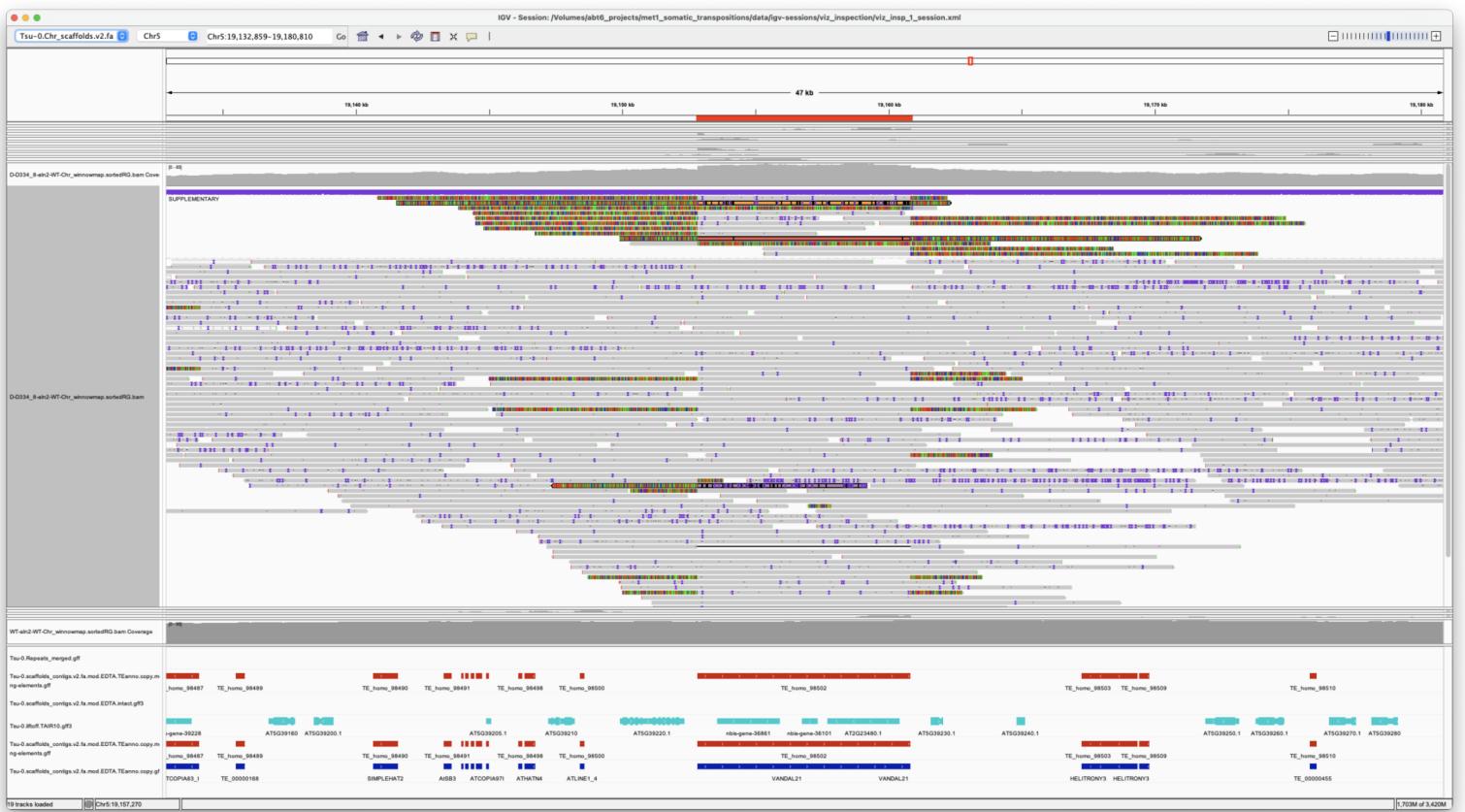
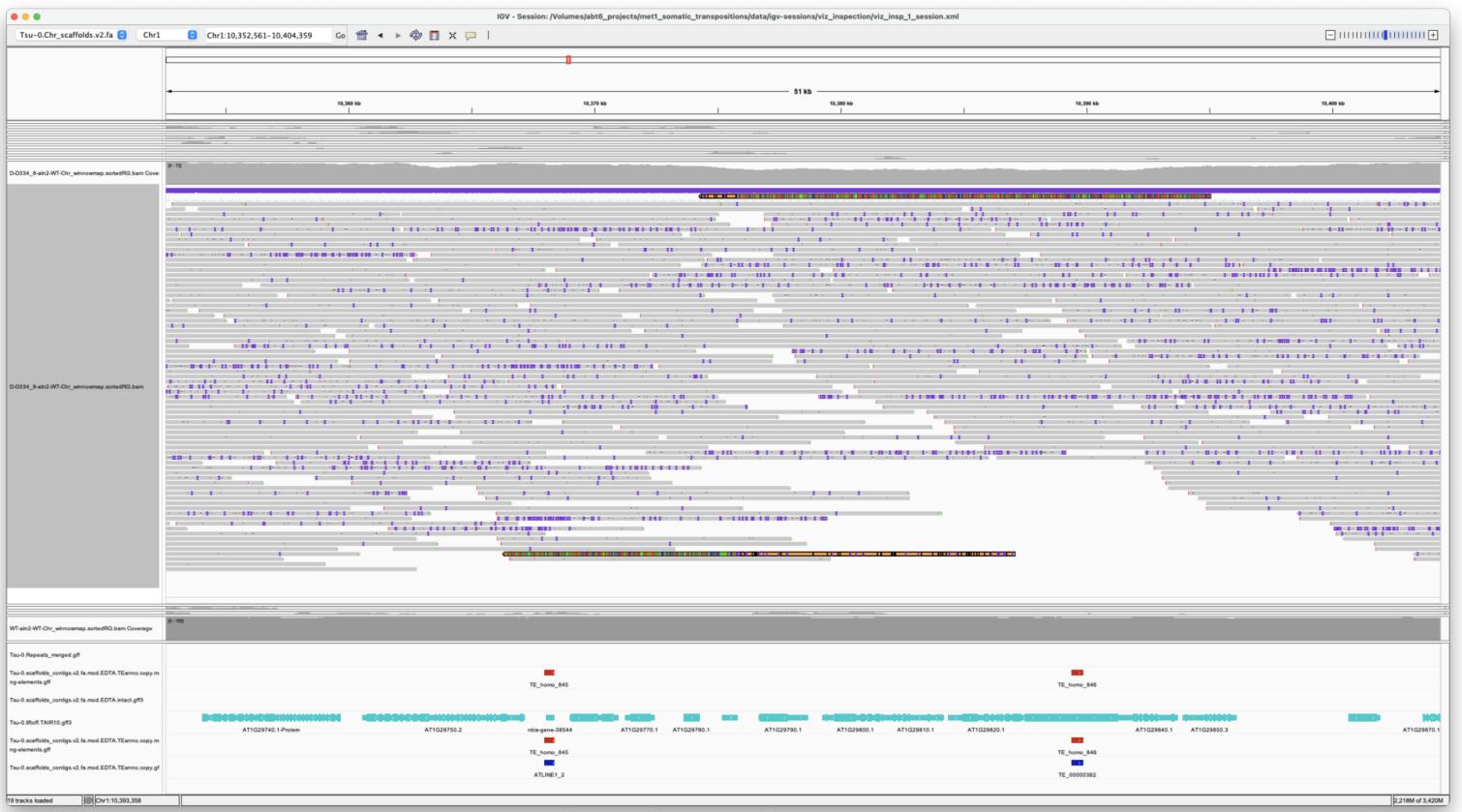
Confirmed

Chr 9120942 9120942 + 1 Chr5:19152829:19160826; VANDAL21 m64079_240212_113350/159122047/ccs met1_08



Partial

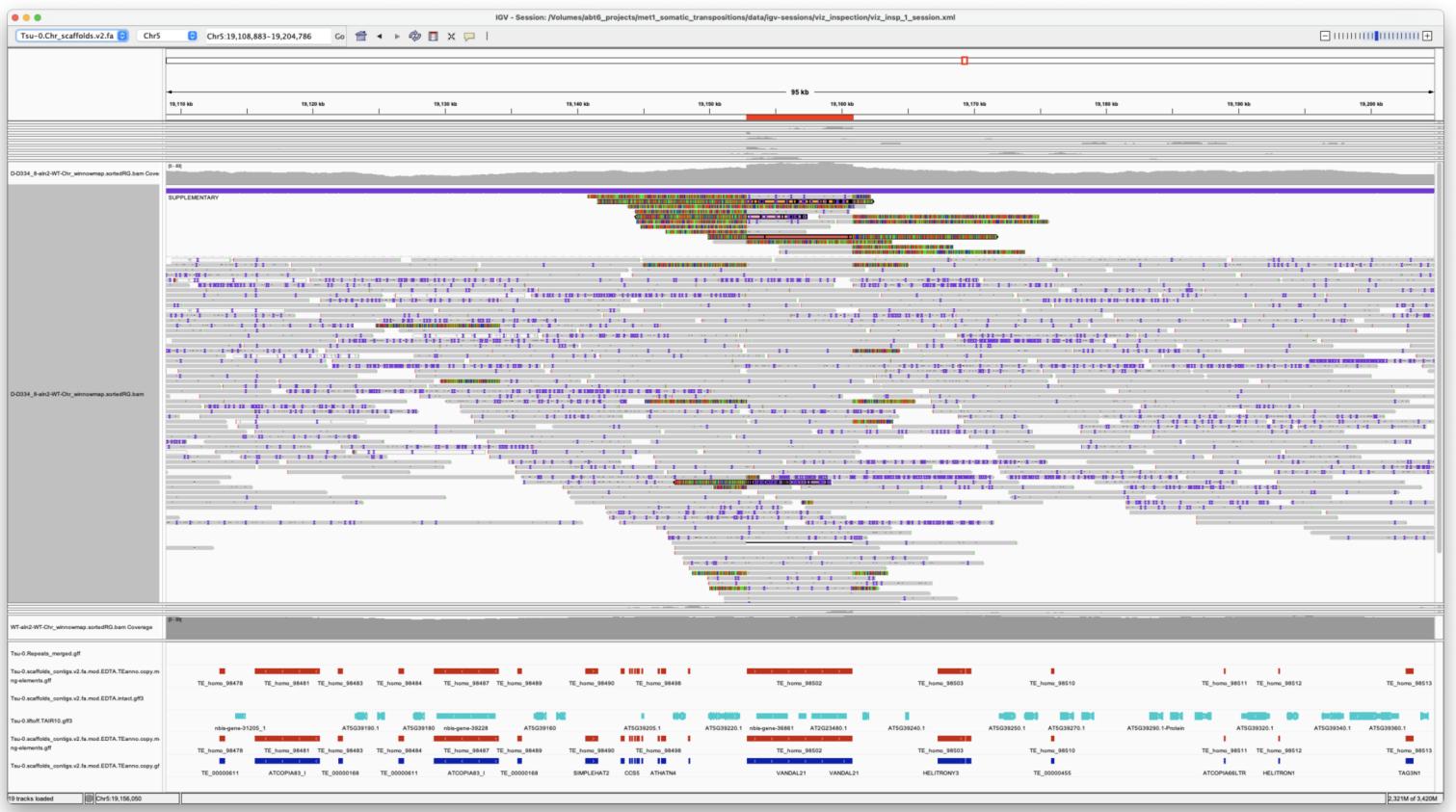
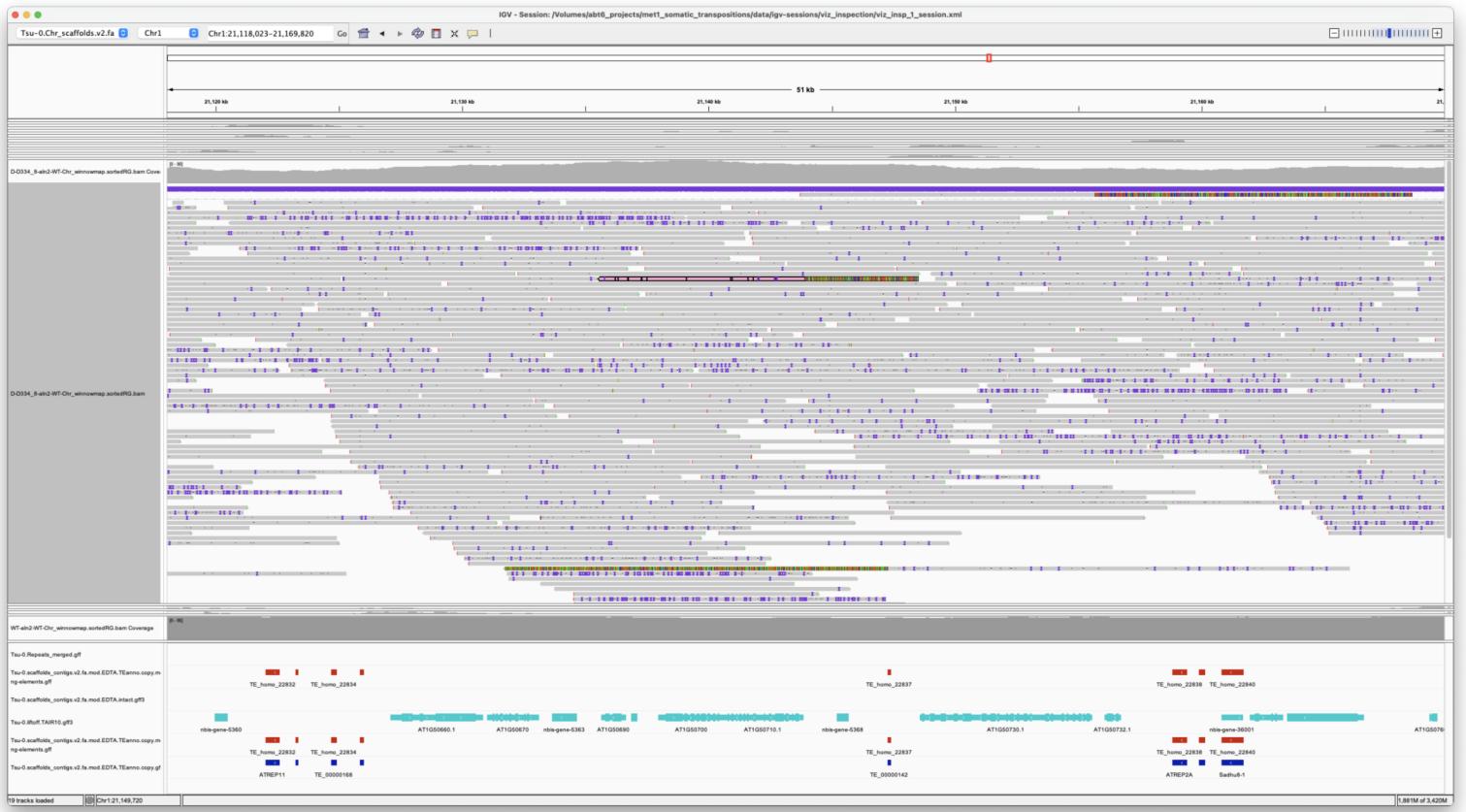
Confirmed



Central
TSD

Confirmed

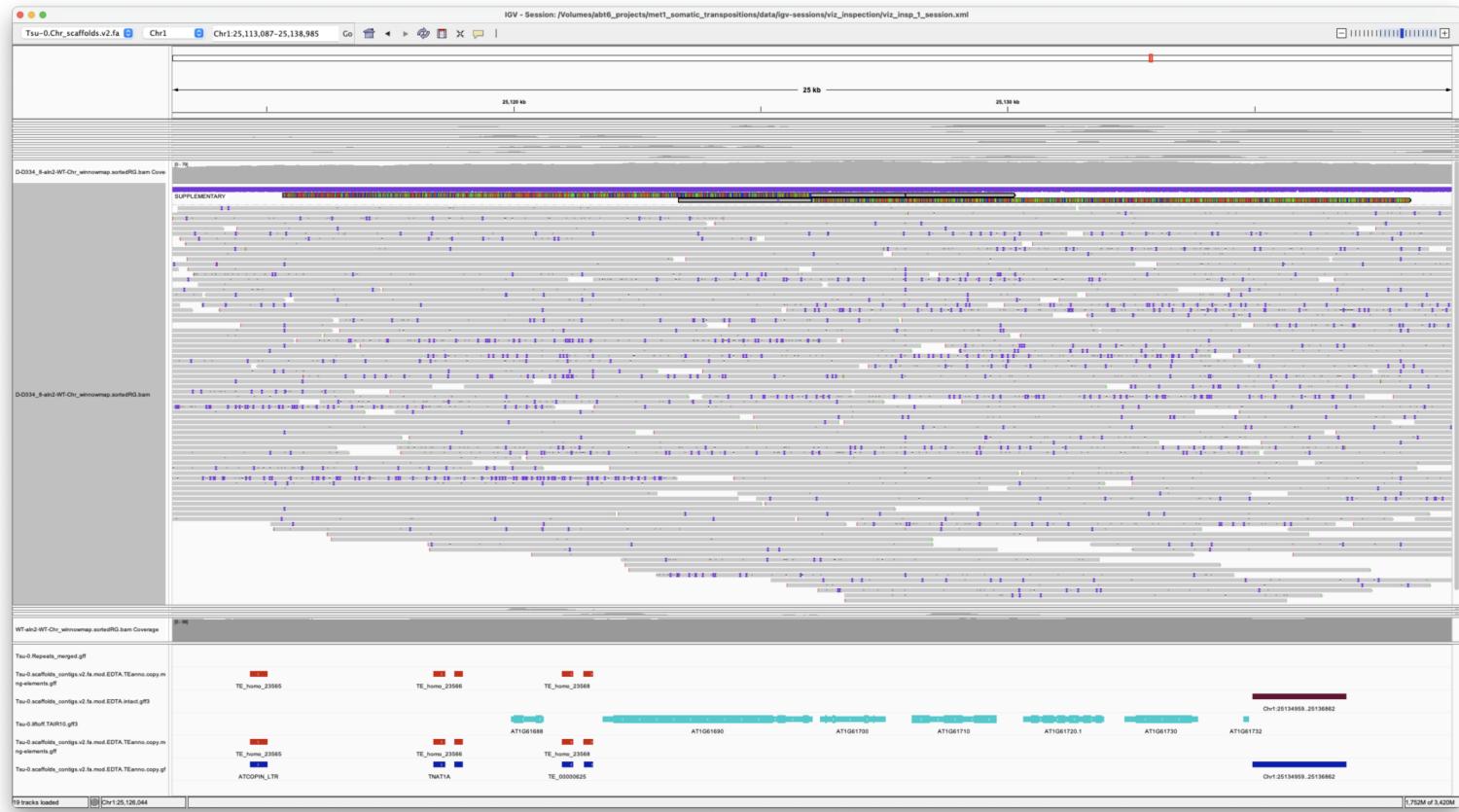
Chr 21143922 21143922 + 1 Chr5:19152829;19160826;VANDAL21 m64079_221220_112036/11667630/ccs met1_08



Partial

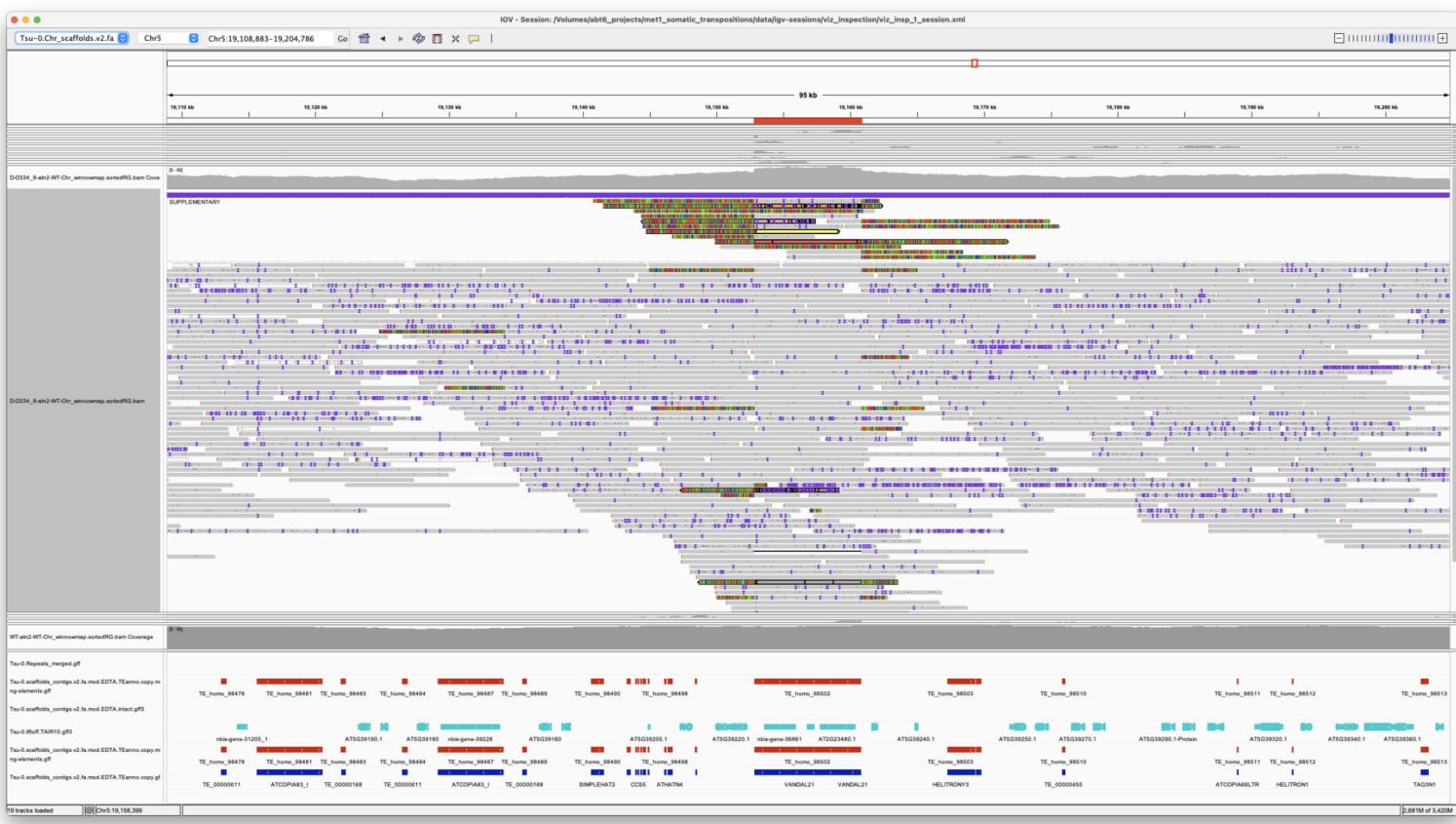
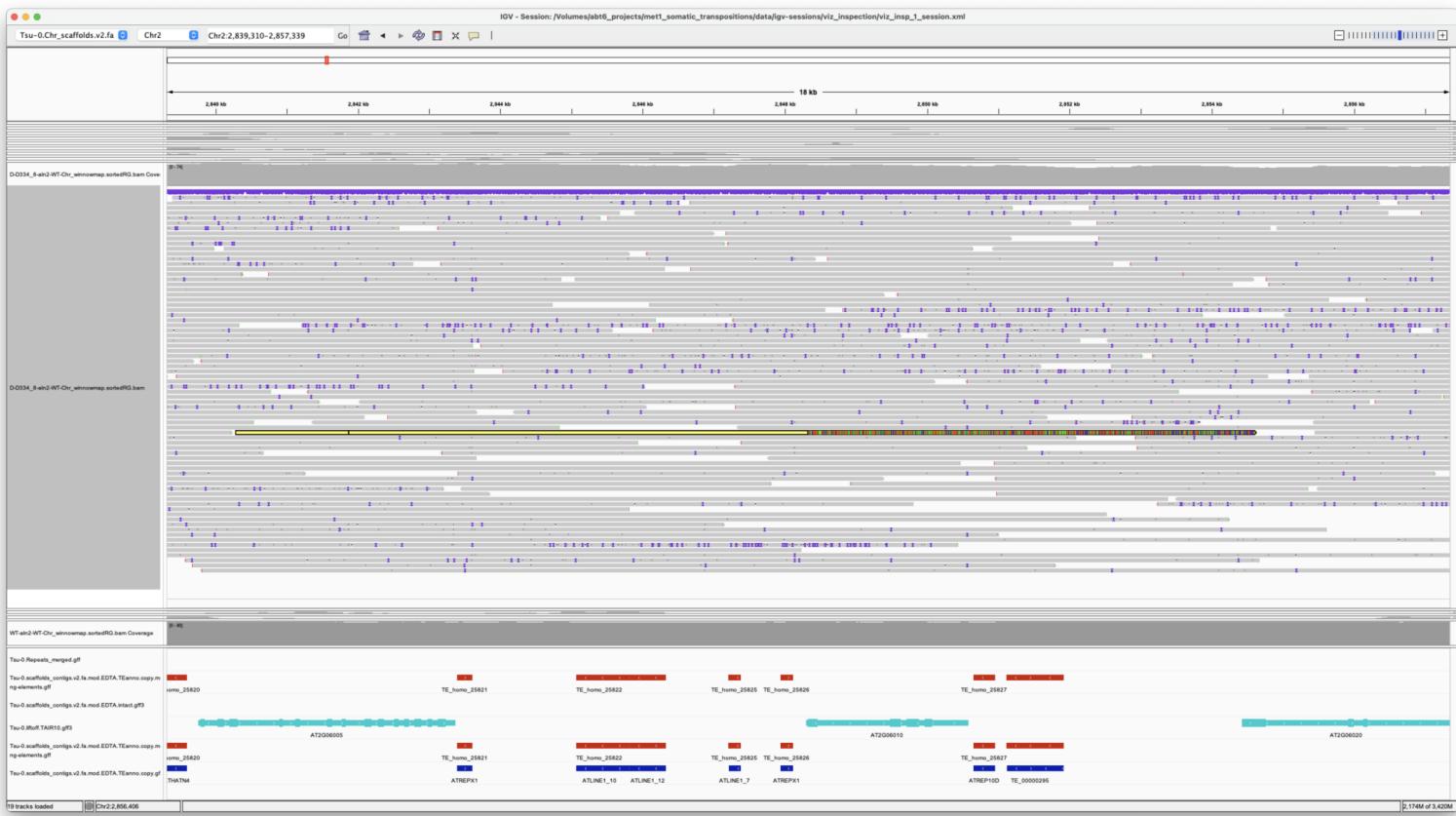
Confirmed

Chr1 25126037 25126037 + 1 Chr5:19152829;19160826;VANDAL21 m64079_221220_112036/17236260/ccs met1_08



Central
TSD

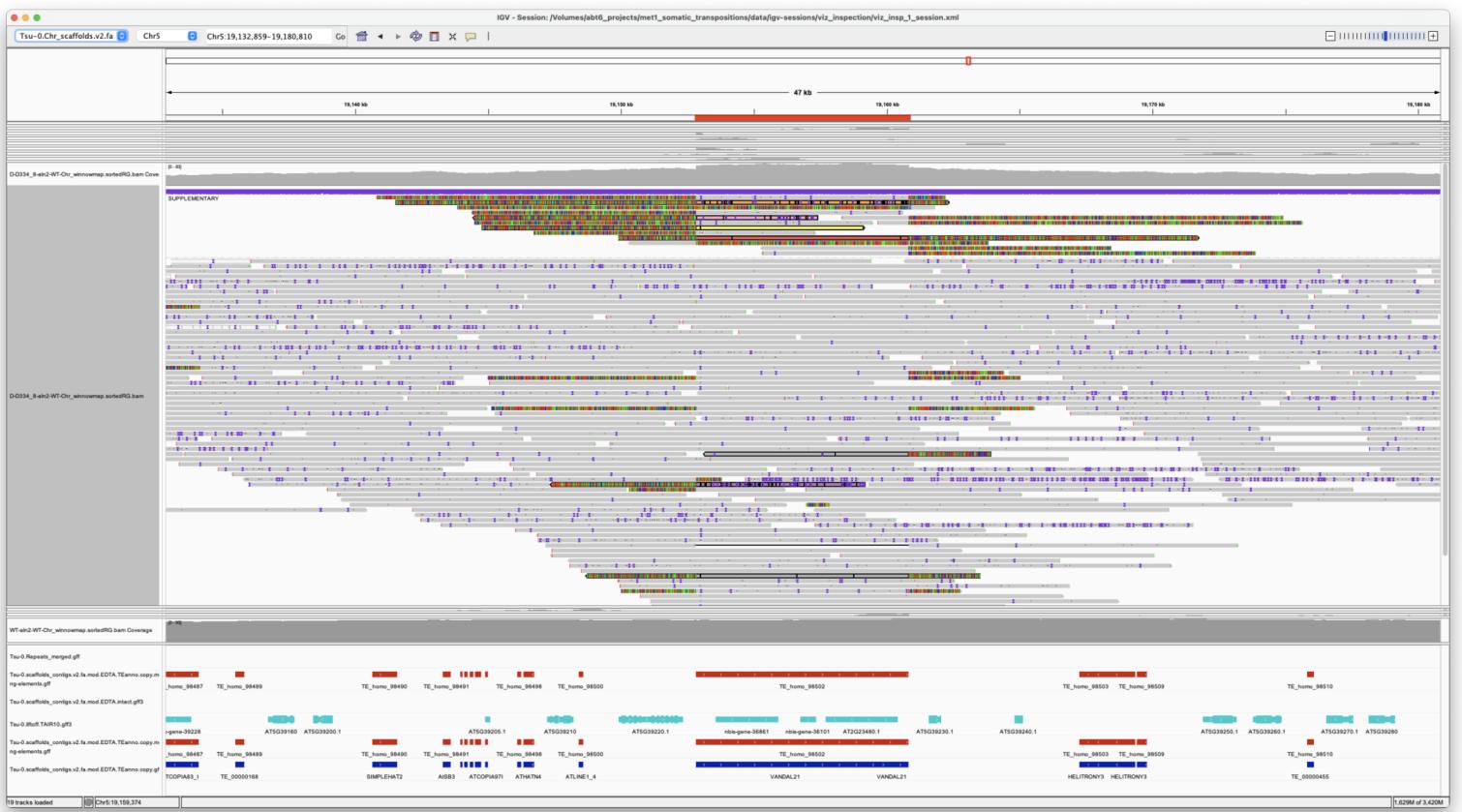
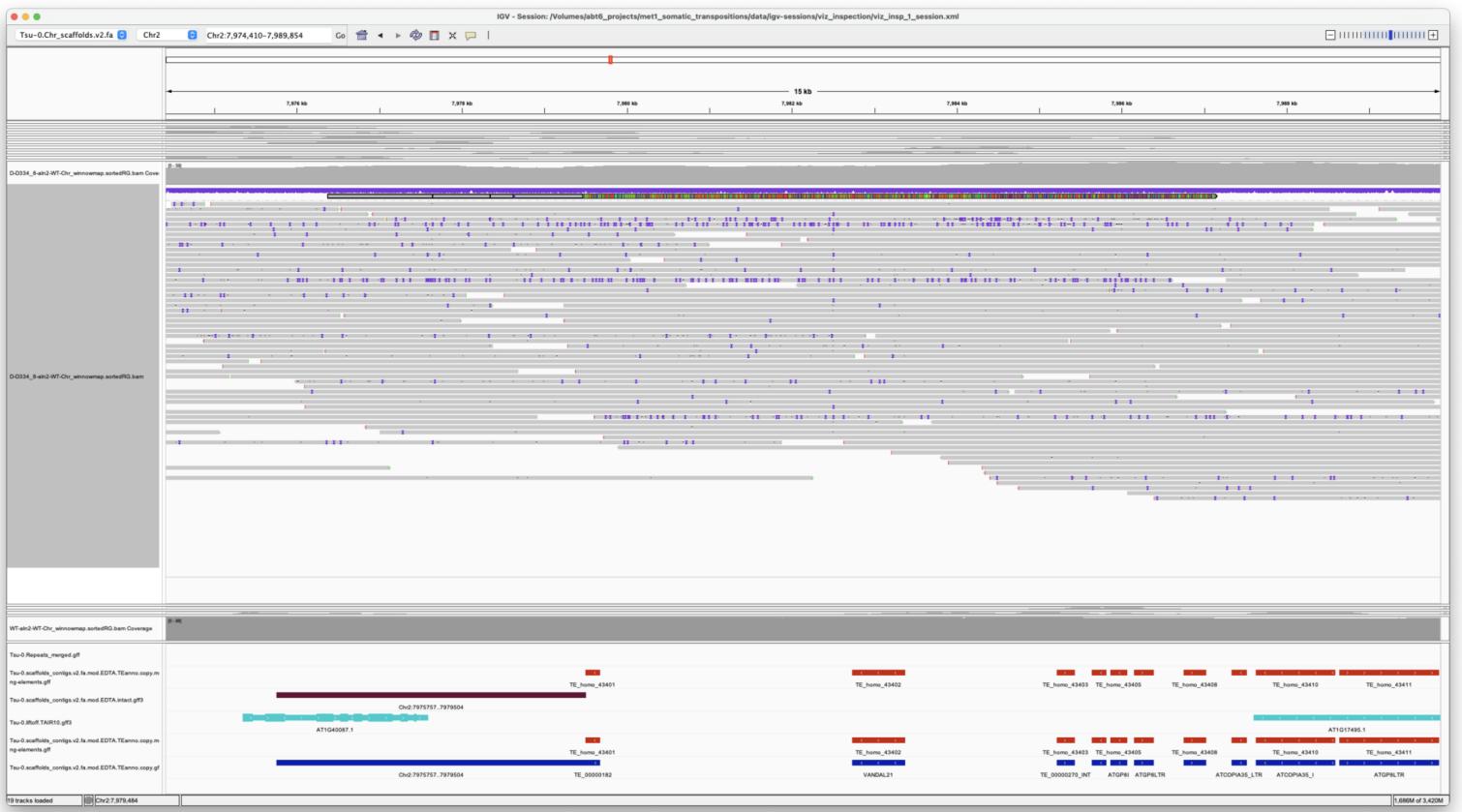
Confirmed



Partial

Confirmed

Chr2 7979469 7979469 - 1 Chr5;19152829;19160826;VANDAL21 m64079_221220_112036/105777959/ccs met1_08



Partial

Confirmed

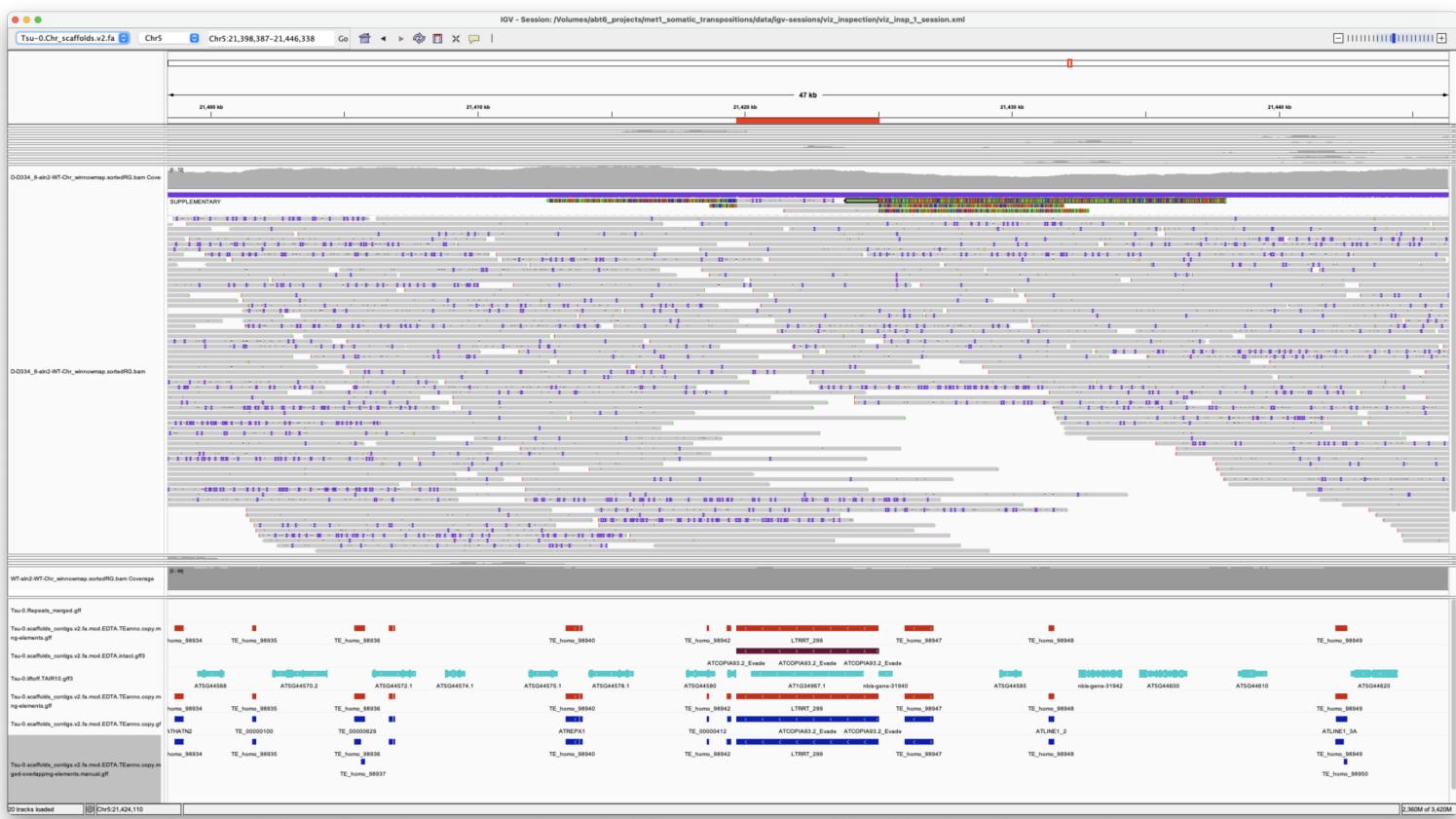
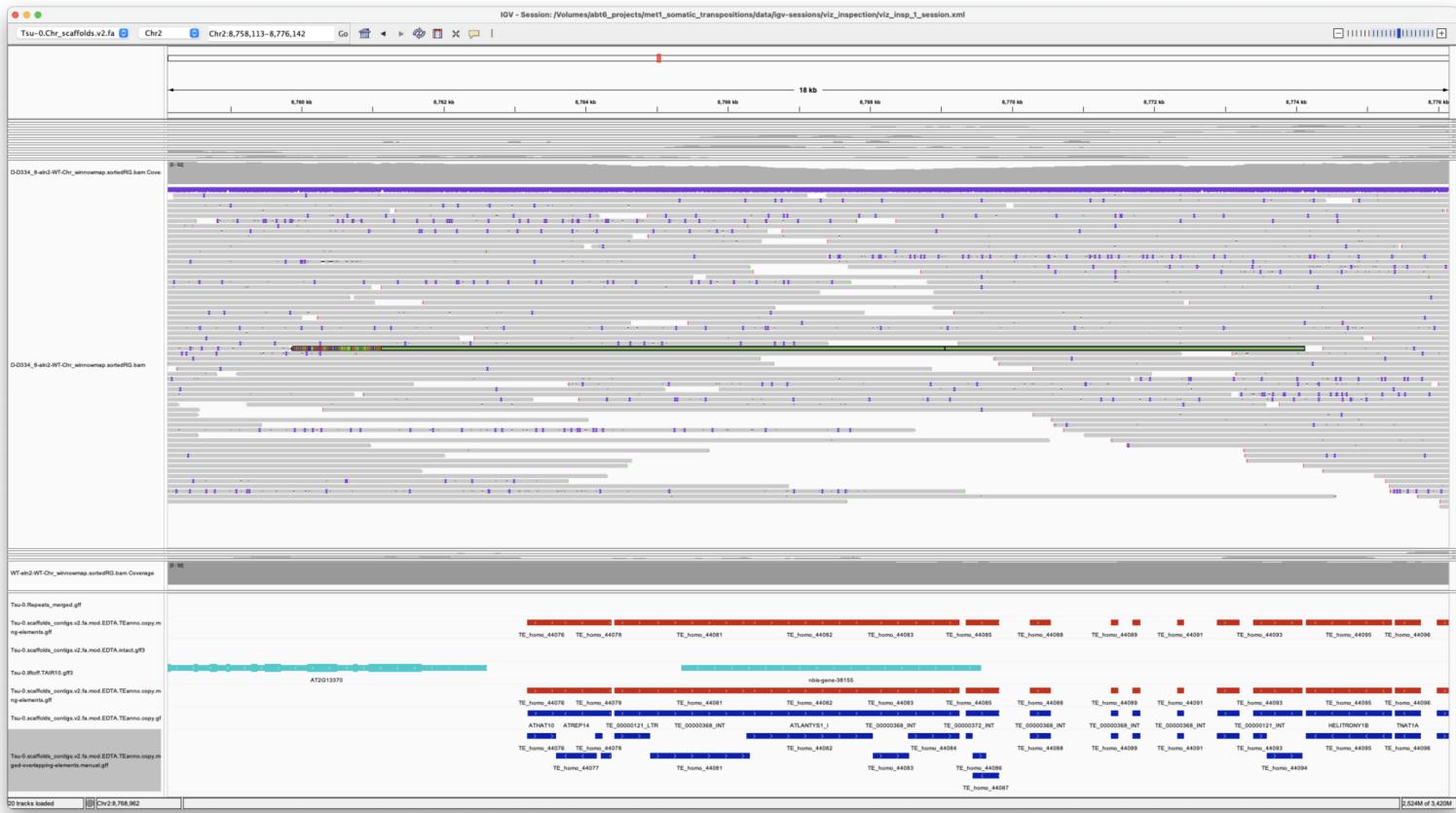
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Partial

Confirmed

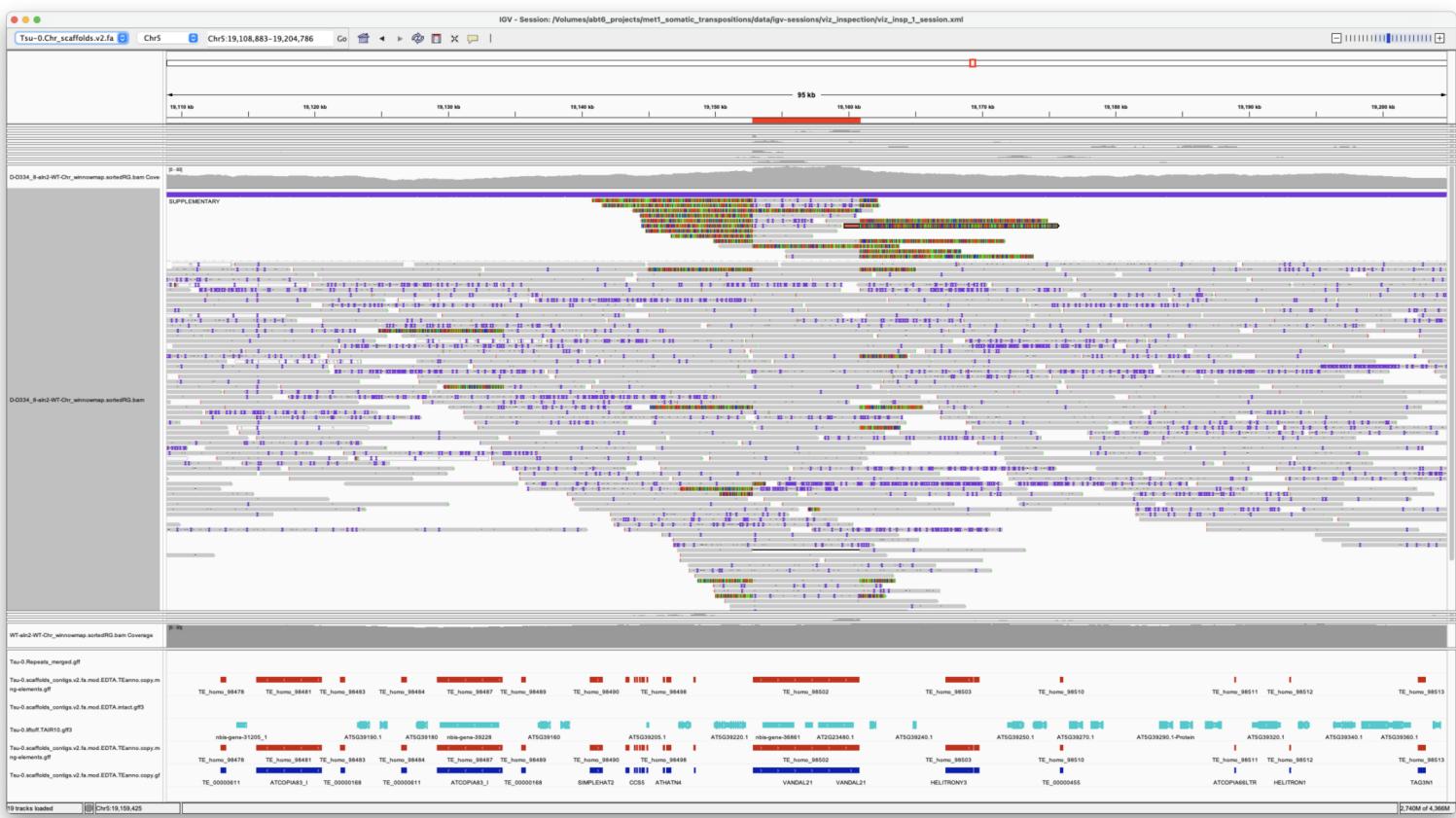
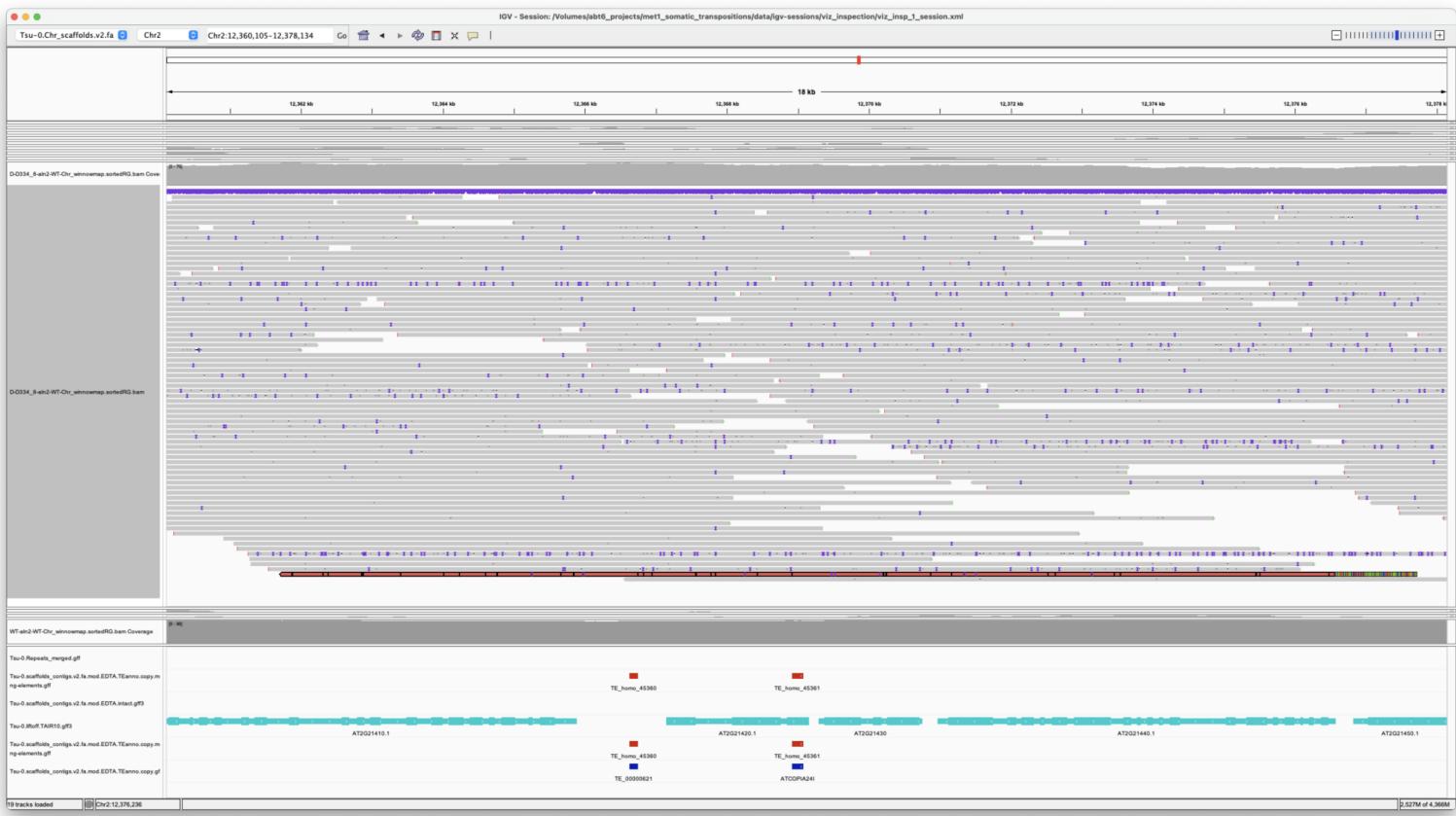
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Partial

Confirmed

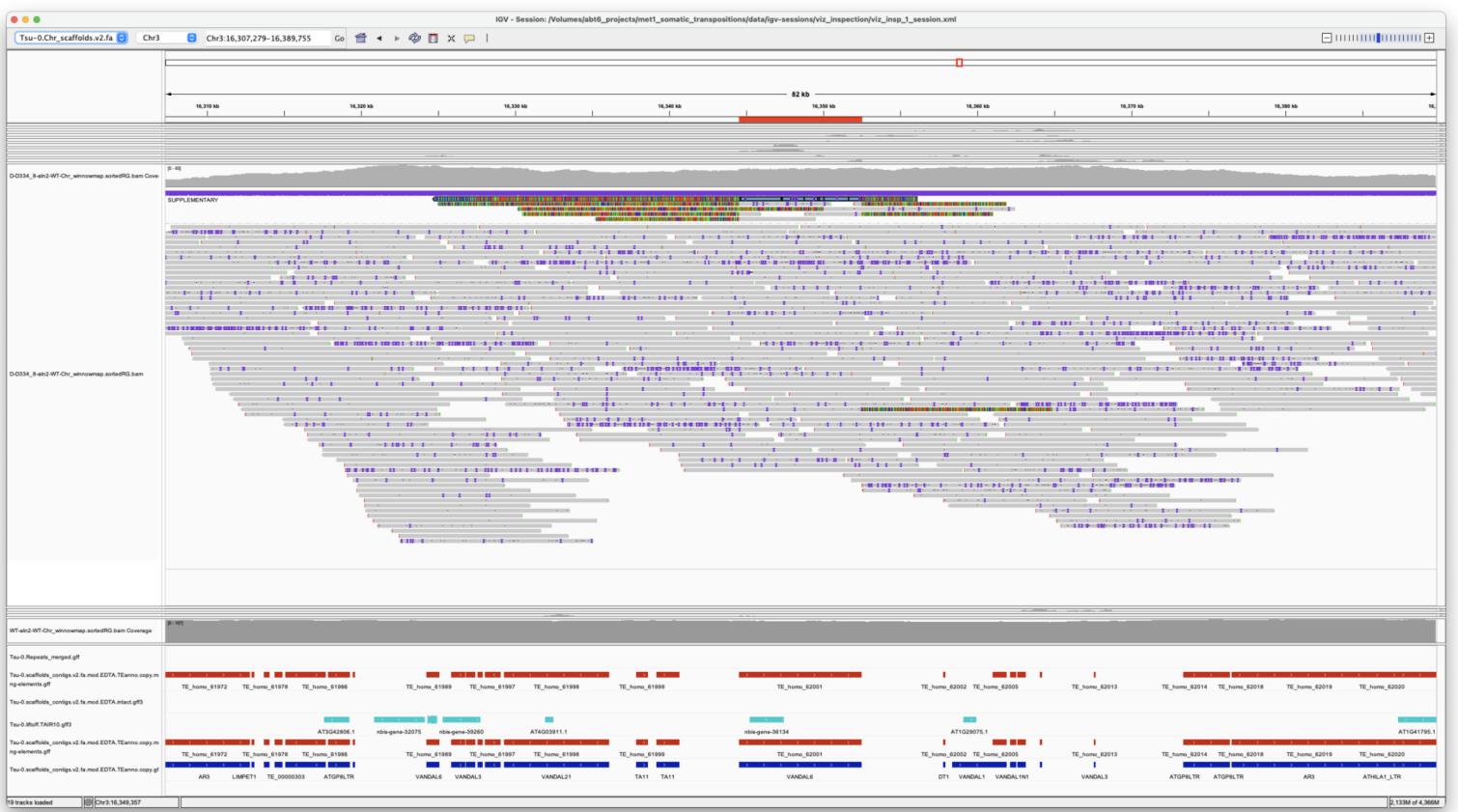
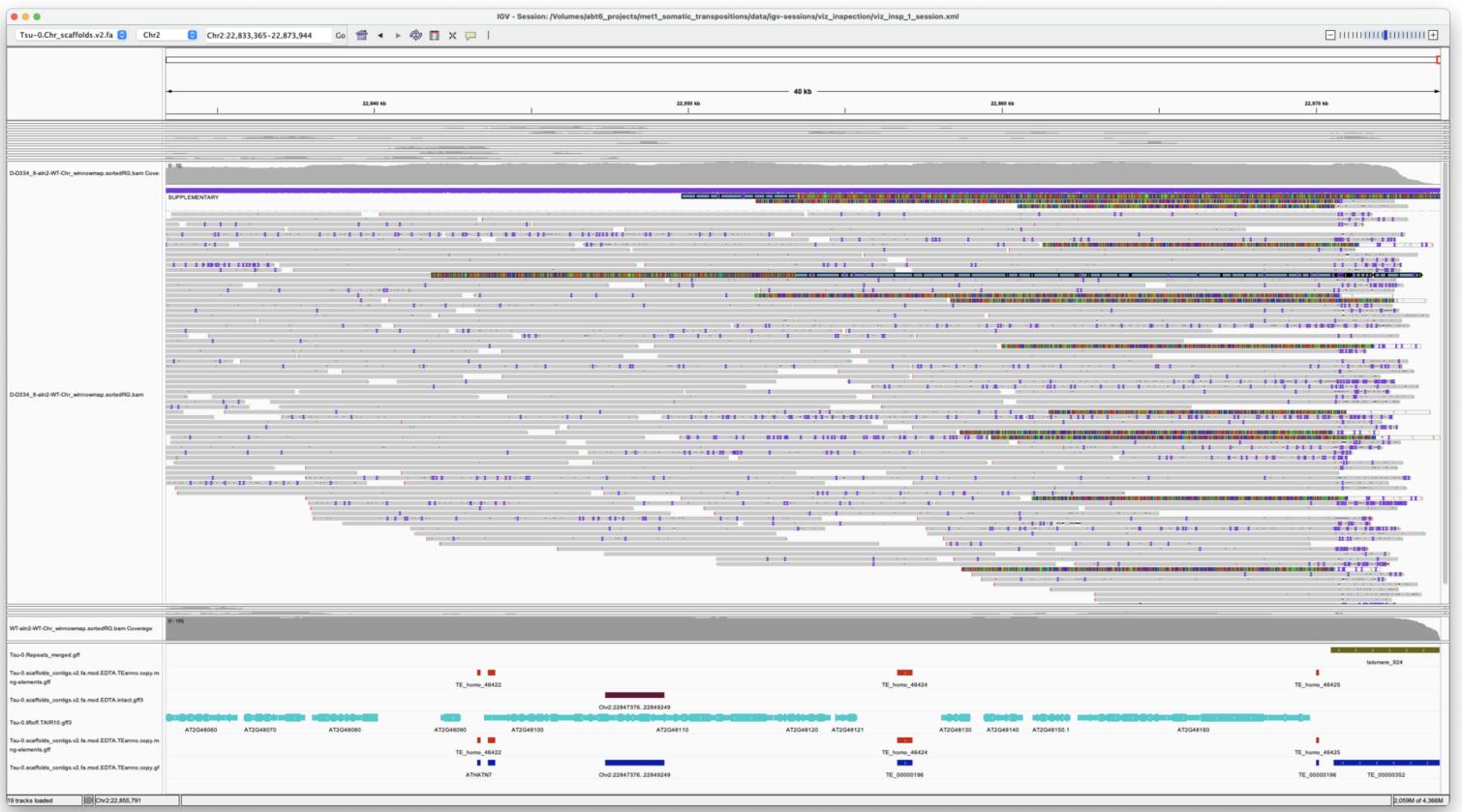
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Partial

Confirmed

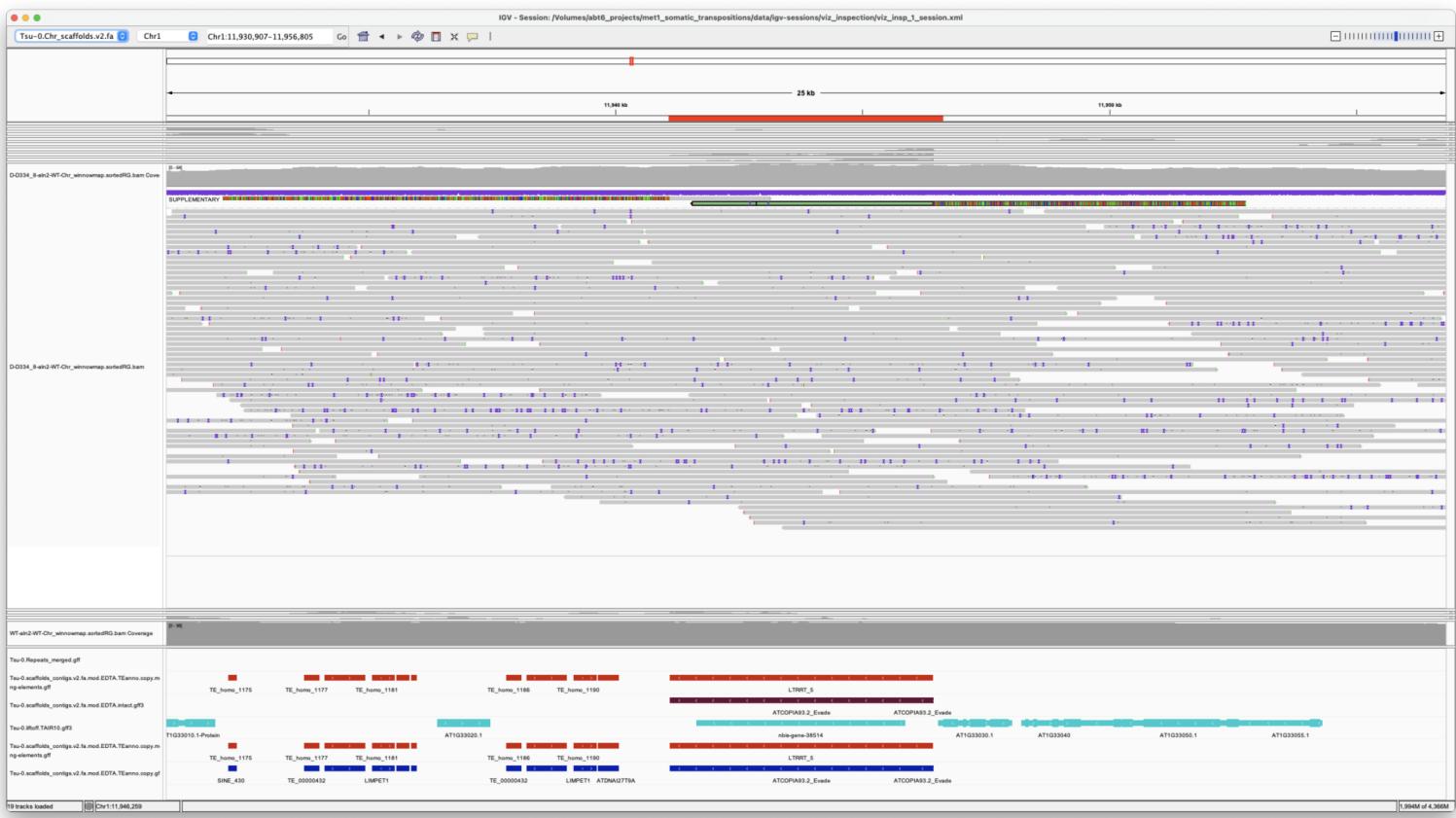
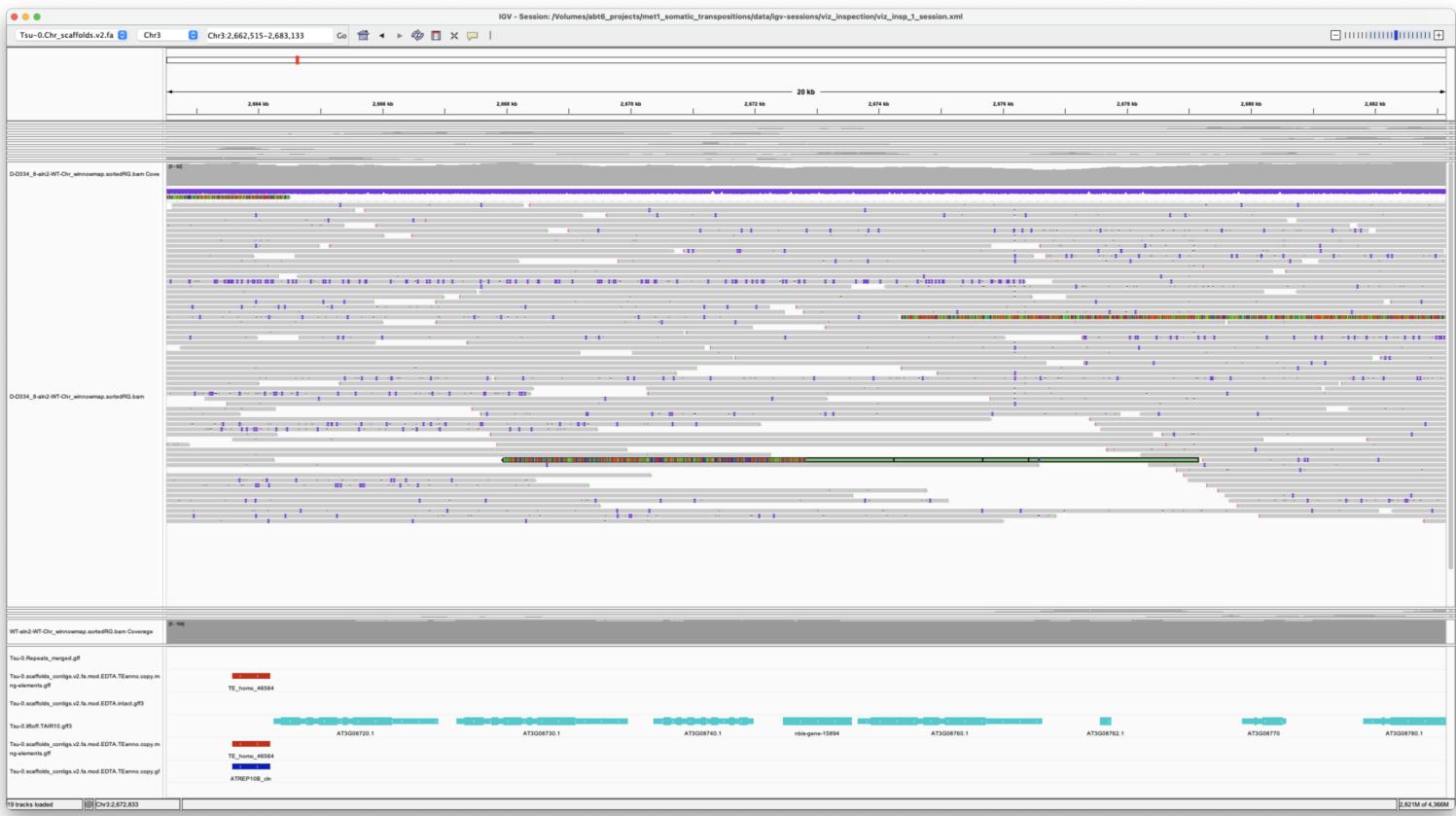
Chr2 22853432 22853432 - 1 Chr3;16344522;16352497;VANDAL6 m64079_221220_112036/159779033/ccs met1_08



TELOMERIC

Confirmed

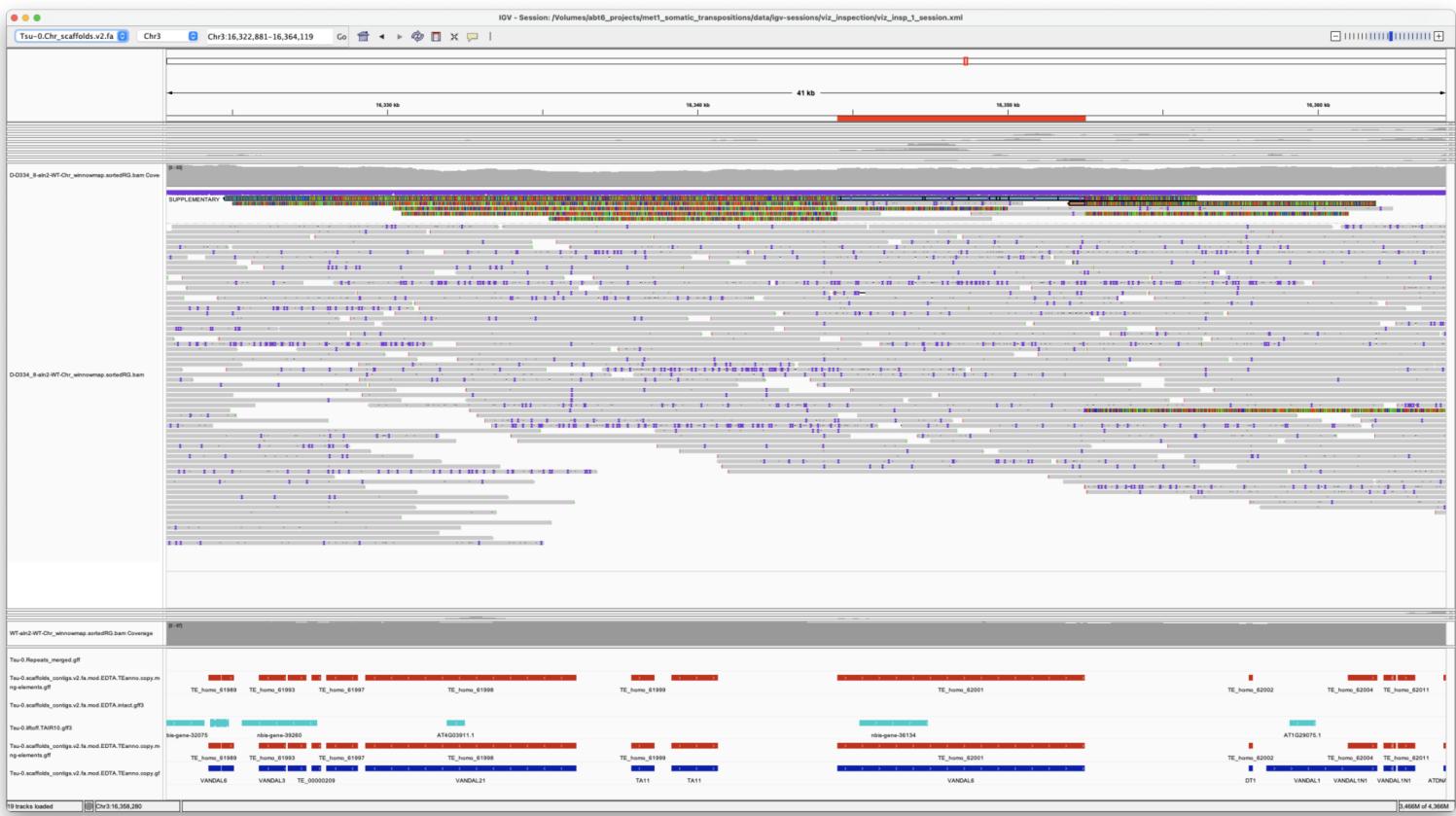
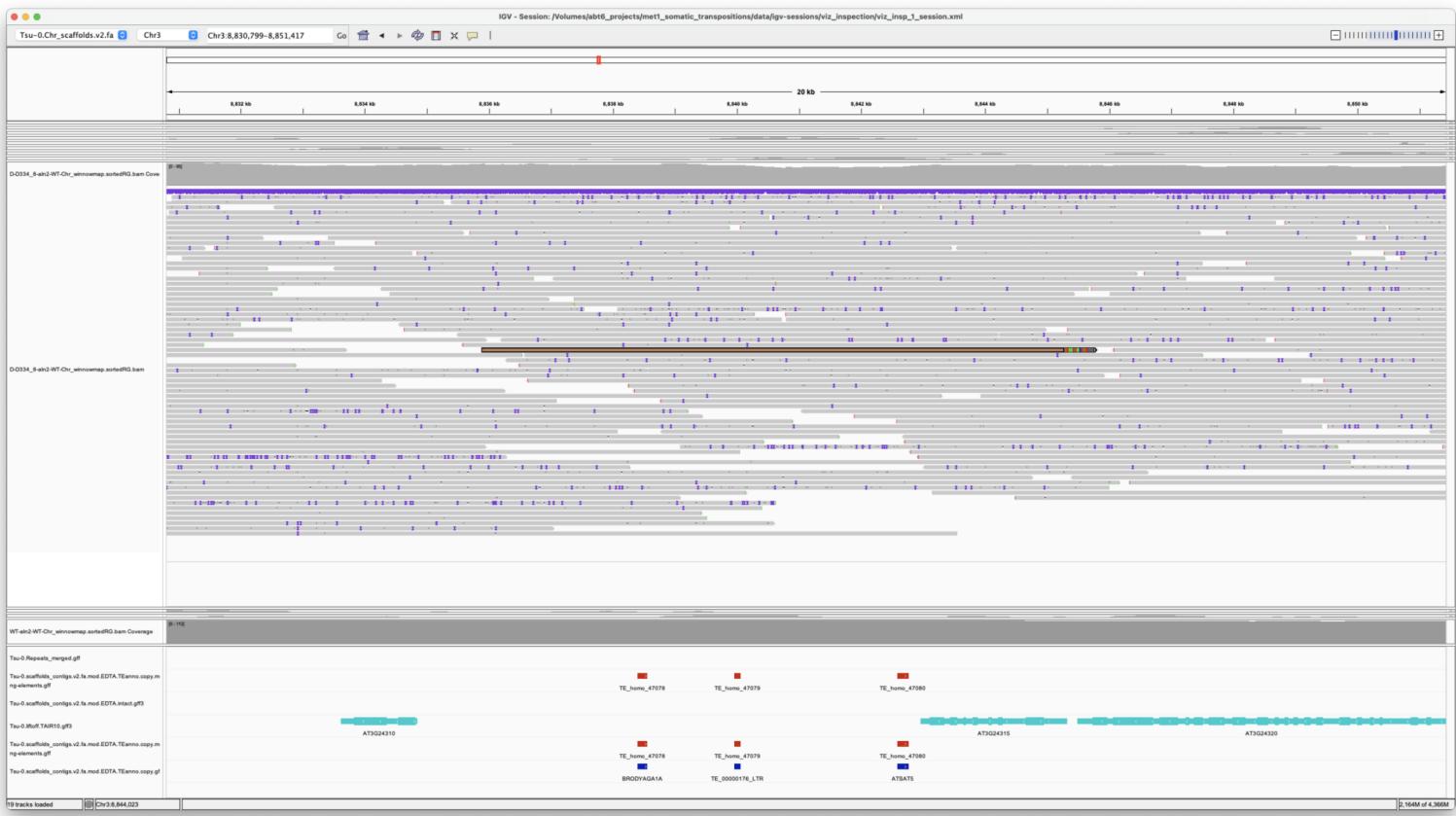
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Partial

Confirmed

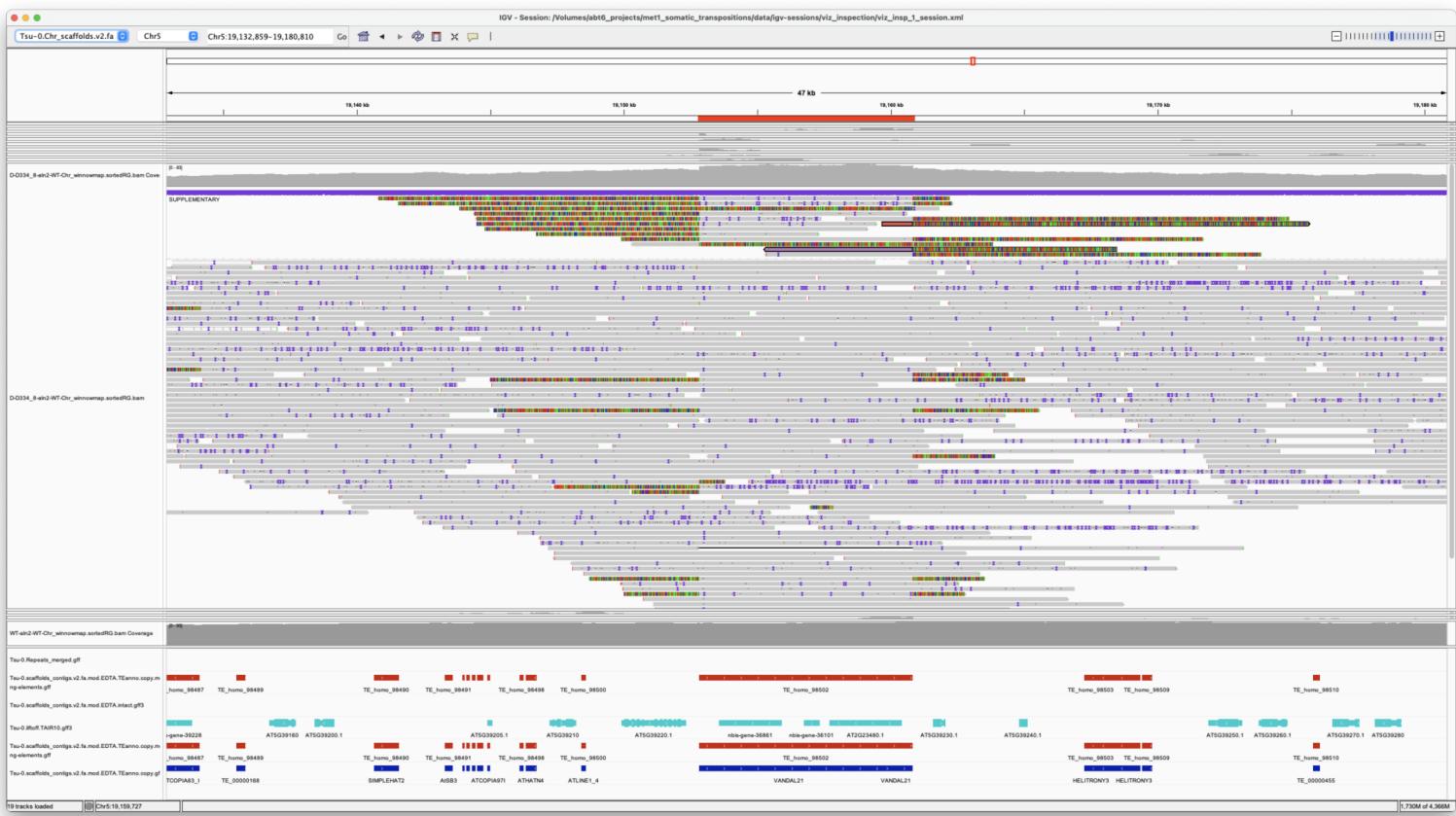
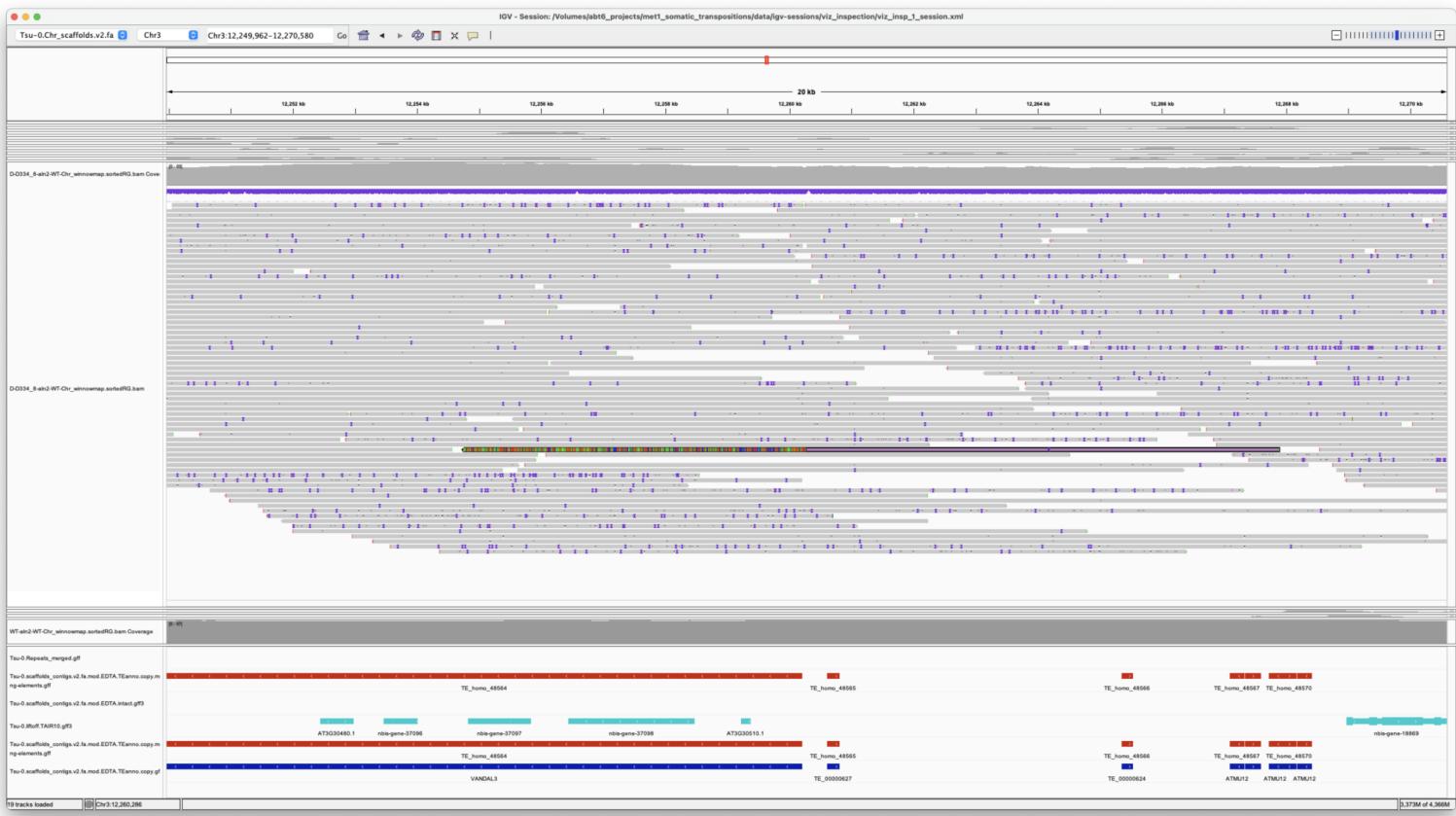
Chr3 8845271 8845271 - 1 Chr3;16344522;16352497;VANDAL6 m64079_240212_113350/113248392/ccs met1_08



Partial

Confirmed

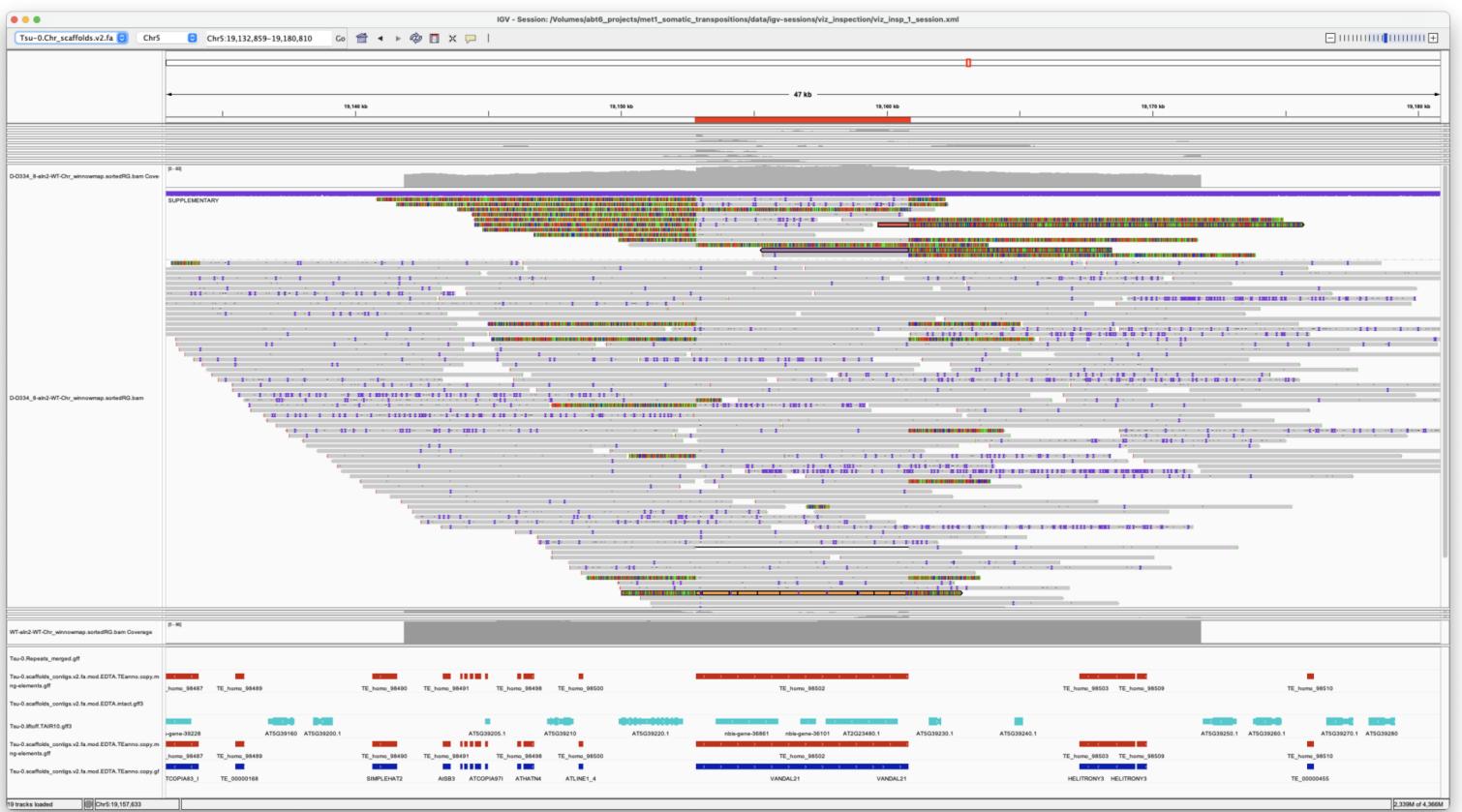
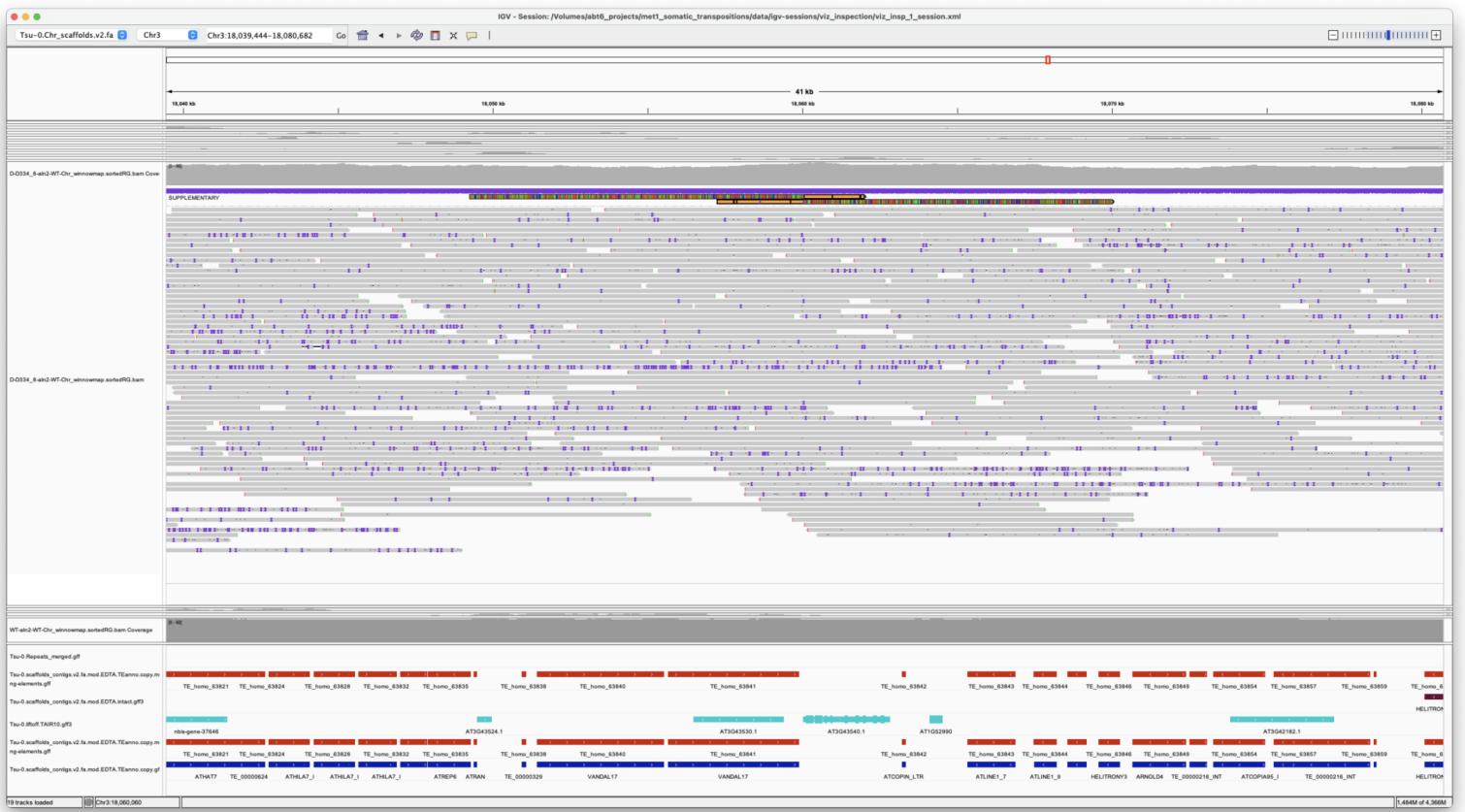
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Partial

Confirmed

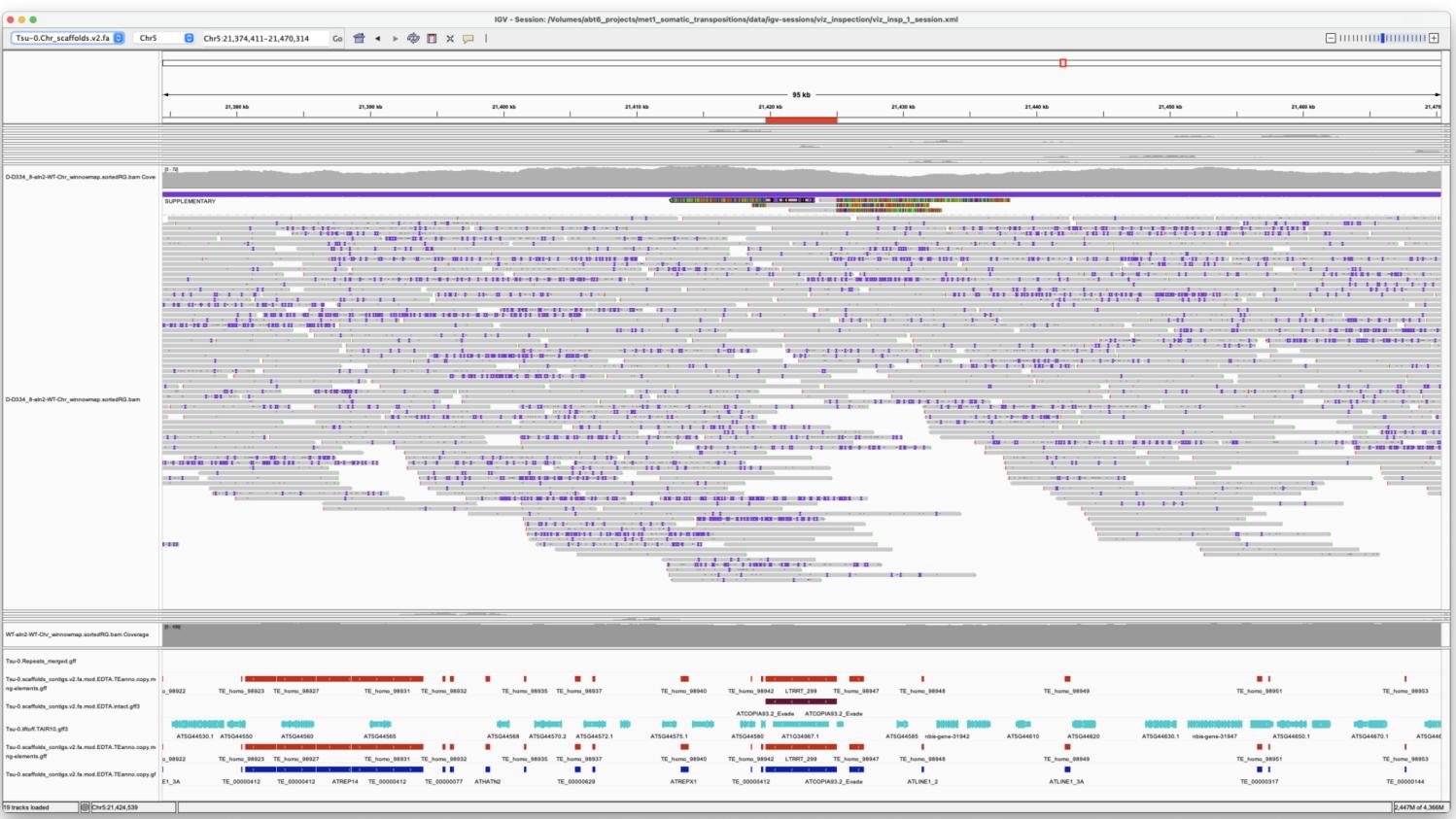
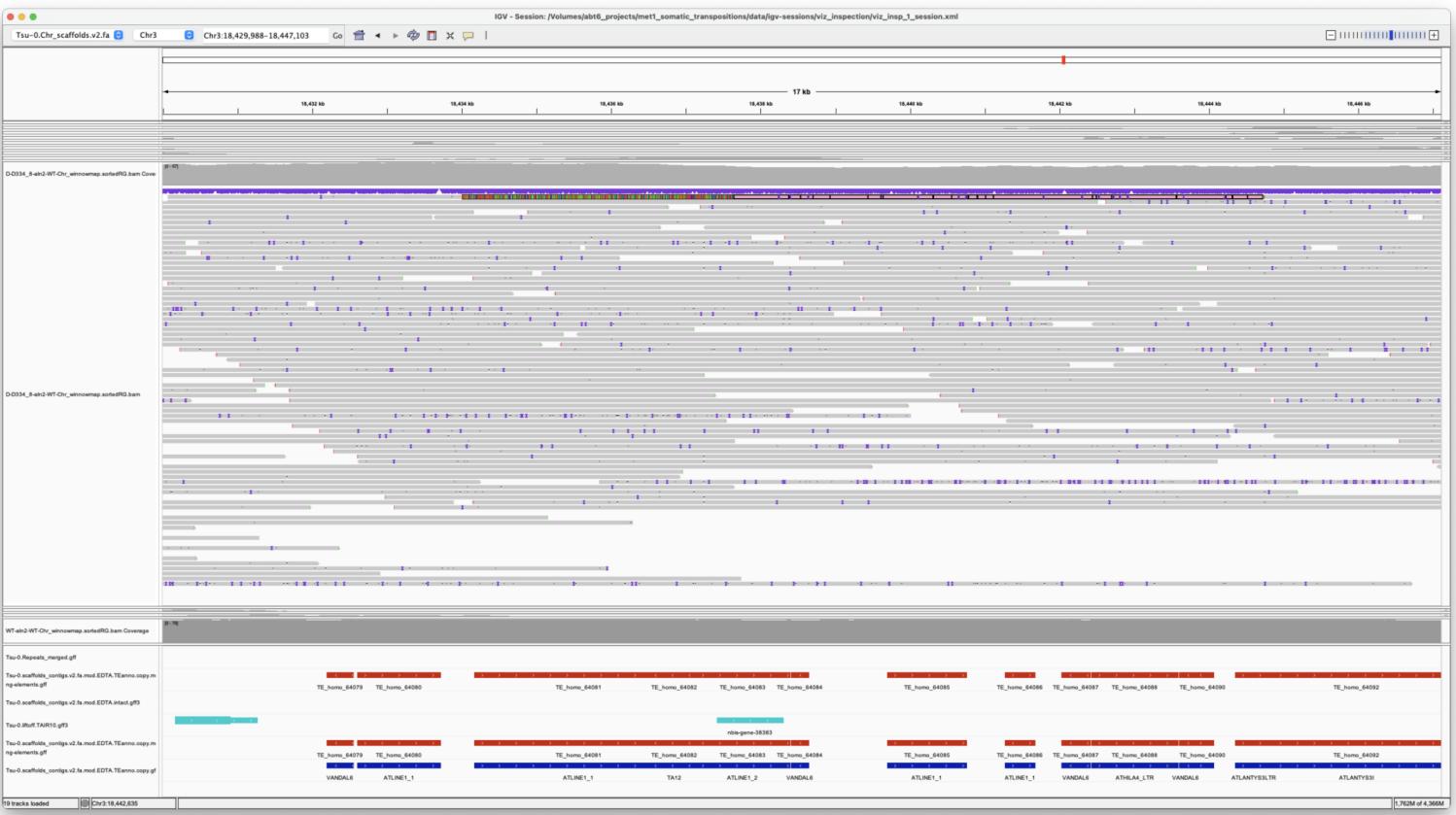
Chr3 18060064 18060064 + 1 Chr5:19152829;19160826;VANDAL21 m64079_221220_112036/11011008/ccs met1_08



Central
TSD

Confirmed

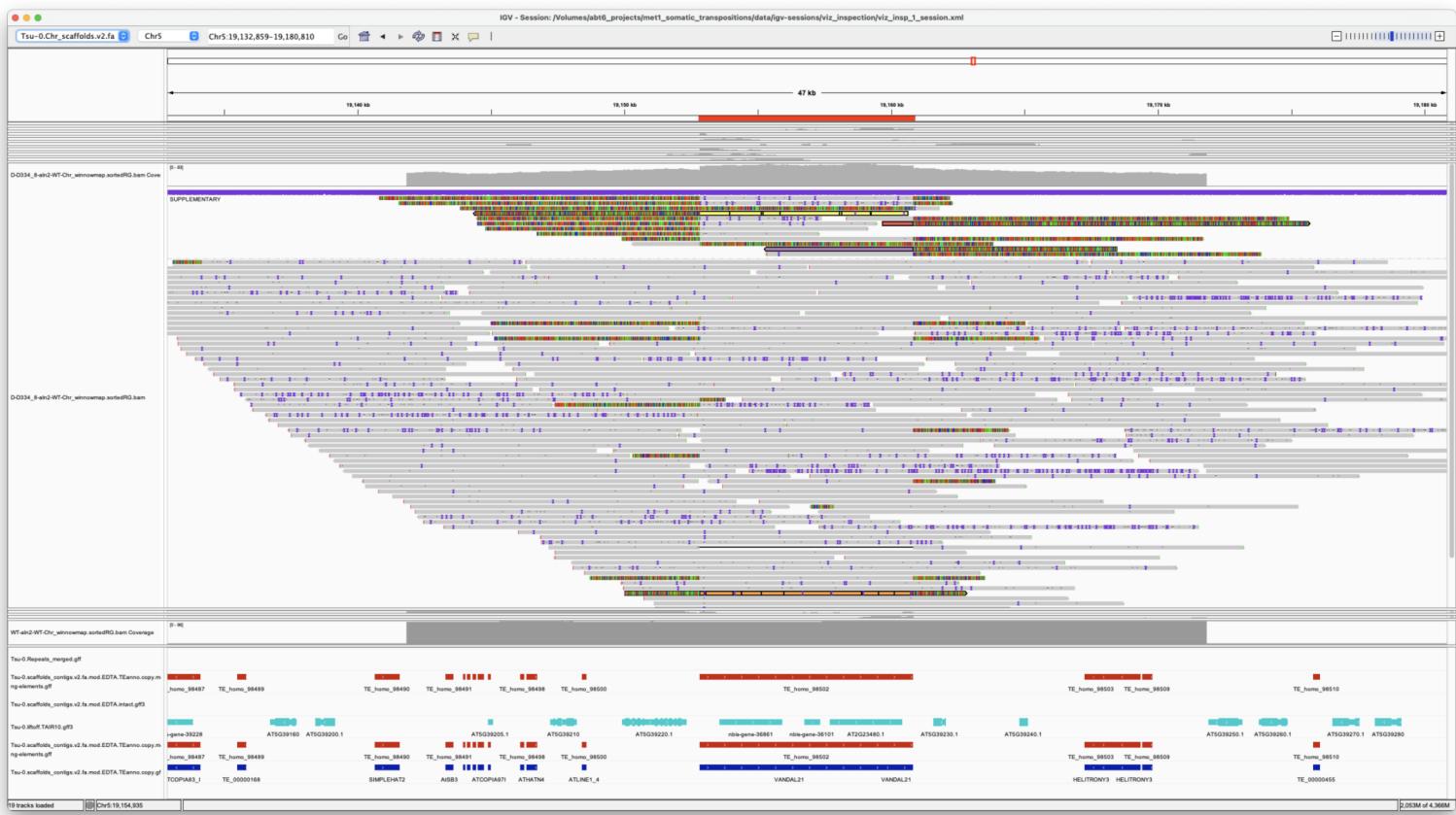
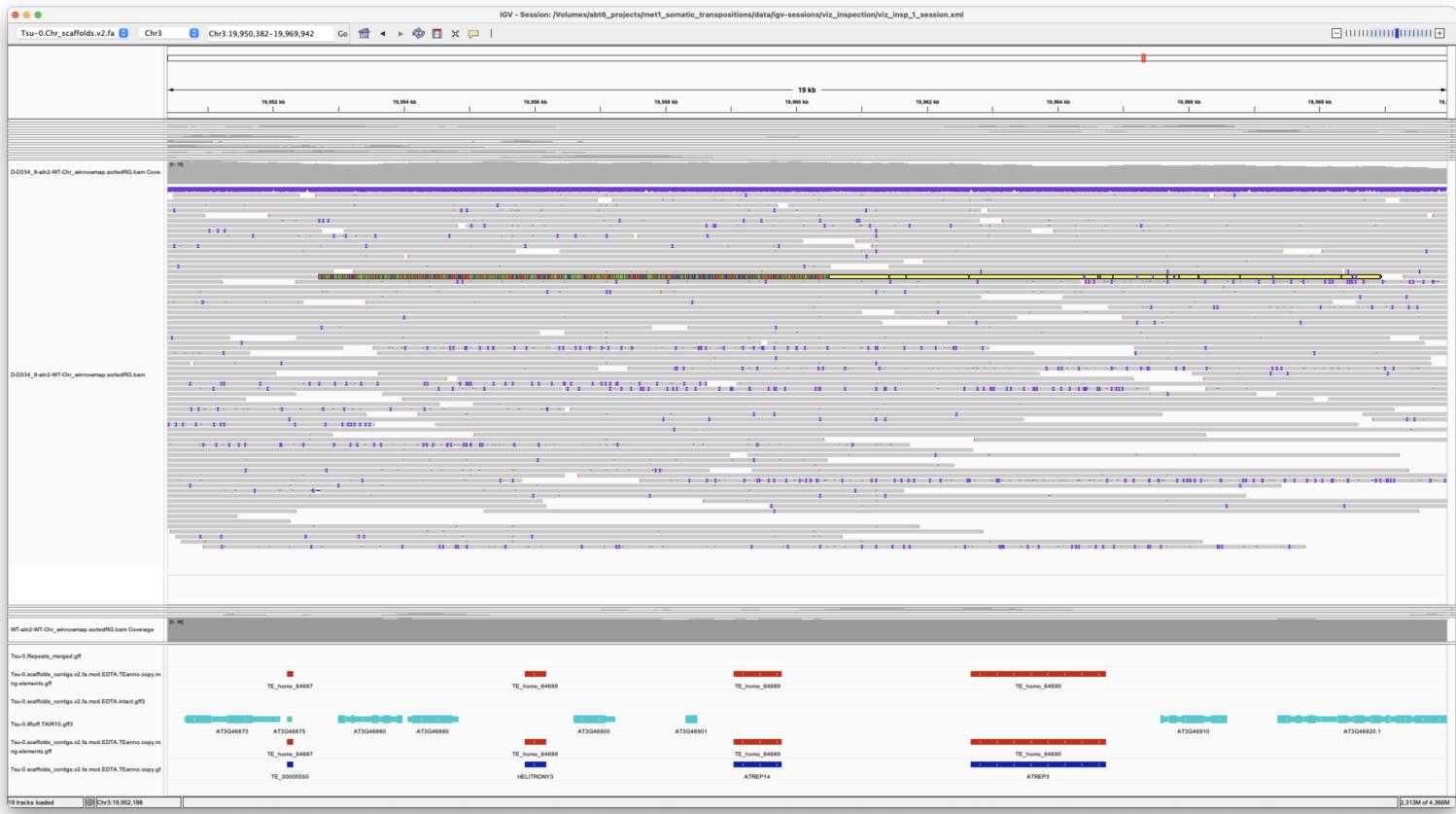
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Partial

Confirmed

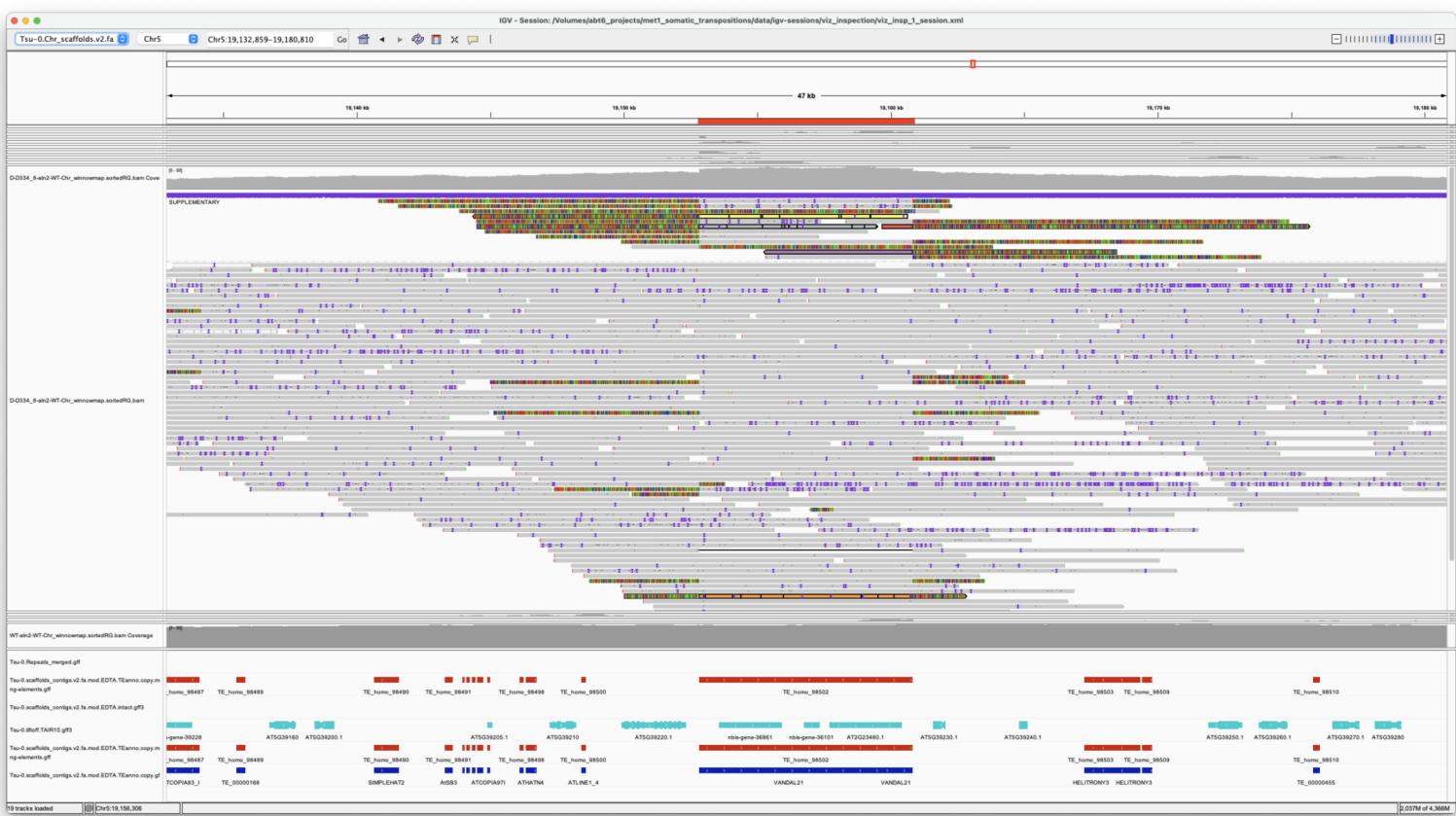
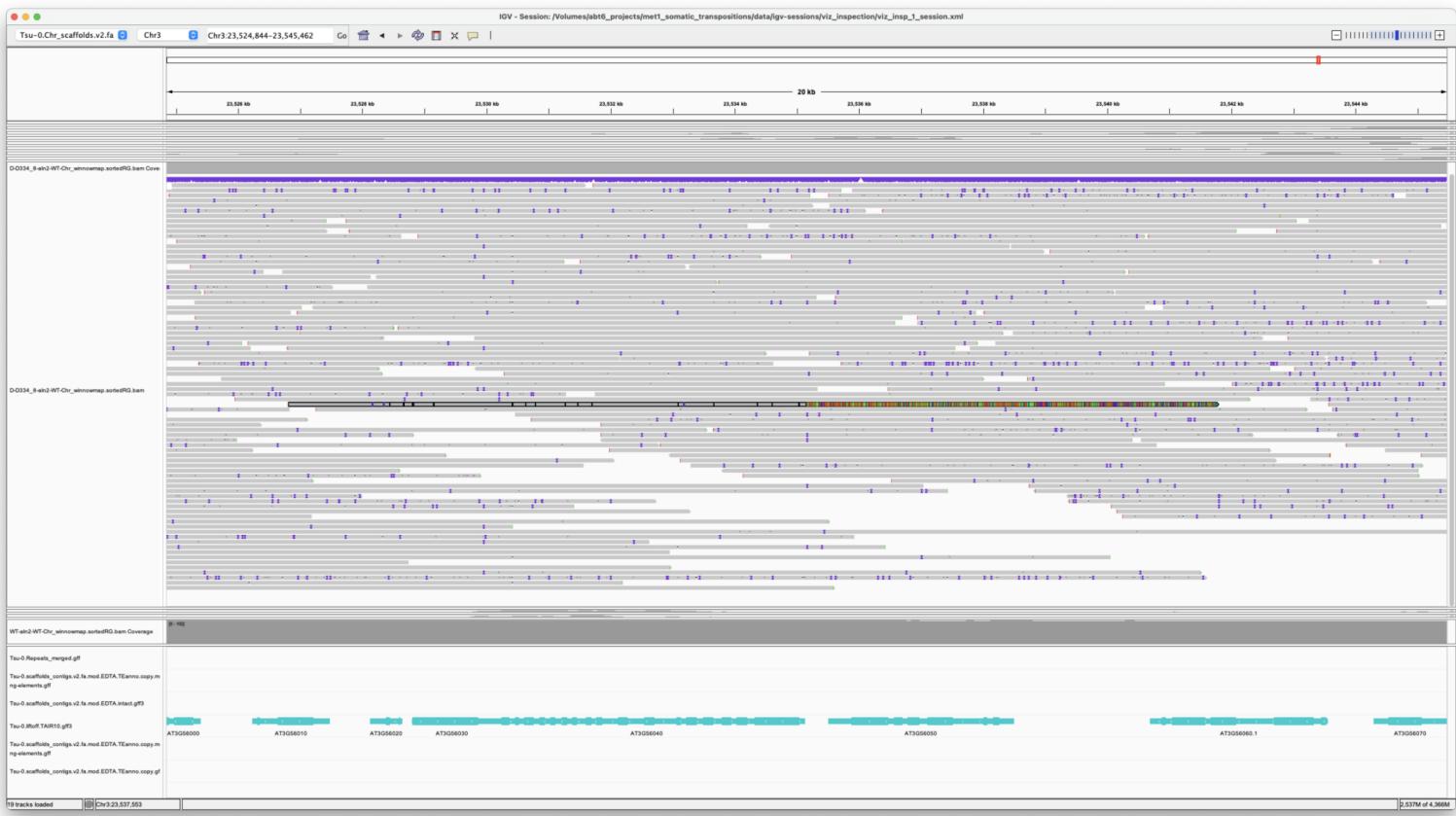
Chr3 19960509 19960509 - 1 Chr5;19152829;19160826;VANDAL21 m64079_240212_113350/112002216/ccs met1_08



Partial

Confirmed

Chr3 23535154 23535154 + 1 Chr5:19152829;19160826;VANDAL21 m64079_240212_113350/106496594/ccs met1_08



Partial

Confirmed

Chr4 4894262 4894262 + 1 Chr5:19152829;19160826;VANDAL21 m64079_240212_113350/33884554/ccs met1_08