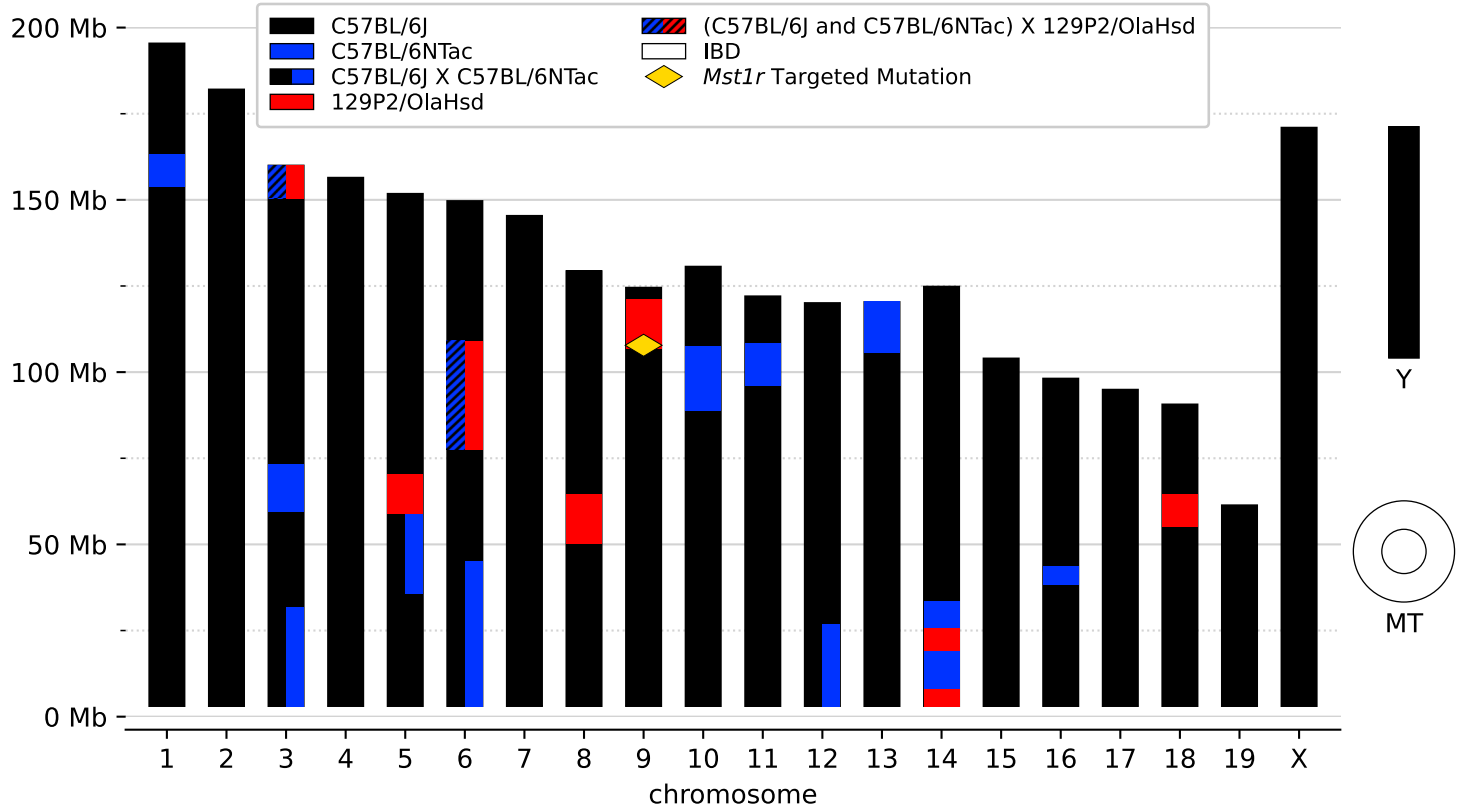


Summary: Incipient congenic strain carrying the *tm1Sew* allele of the *Mst1r* gene on mixed C57BL/6 background. The allele of interest present on chromosome 9 is on the donor background (129P2/OlaHsd). The donor background is also present in other chromosomes. 129P2/OlaHsd, 129S1/SvImJ, 129S4/SvJaeJ, C57BL/6J, and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.6% of the genome is segregating for the donor background and at least 4.6% of the genome is segregating for the substrains of the primary background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 1 sample genotyped in 2024.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NTac	N/A	96.0%	N/A
C57BL/6J	Homozygous	81.2%	N/A
C57BL/6J	Hemizygous	6.5%	N/A
C57BL/6NTac	Homozygous	3.6%	N/A
C57BL/6J X C57BL/6NTac	Heterozygous	4.6%	500
129P2/OlaHsd	Homozygous	2.4%	N/A
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	1.6%	23,300
Total		100.0%	23,800

Substrain Detected	ZW2036
C57BL/6J	present
129P2/OlaHsd	present
C57BL/6NTac	present
129S4/SvJaeJ	present
129S1/SvImJ	present

Constructs Detected
None