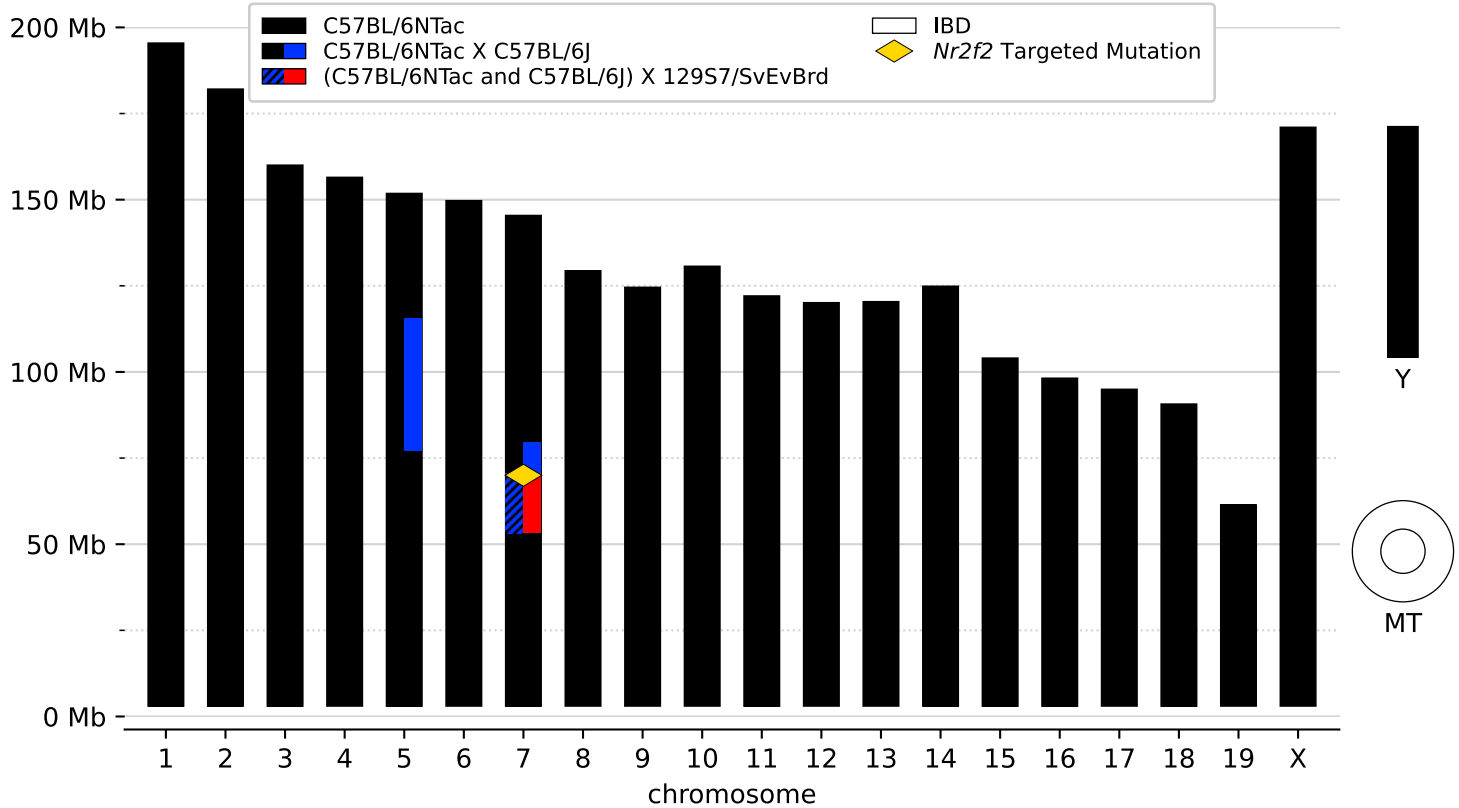


Summary: Congenic strain carrying the *tm2Tsa* allele of the *Nr2f2* gene on mixed C57BL/6 background. The allele of interest present on chromosome 7 is on the donor background (129S7/SvEvBrd). C57BL/6J and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.7% of the genome is segregating for the donor background and at least 1.8% of the genome is segregating for the substrains of the primary background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2024.



Genetic Background	Zygoty	Genome %	Estimated # Segregating SNPs
C57BL/6NTac and C57BL/6J	N/A	99.3%	N/A
C57BL/6NTac	Homozygous	97.5%	N/A
C57BL/6NTac X C57BL/6J	Heterozygous	1.8%	200
(mixed C57BL/6) X 129S7/SvEvBrd	Heterozygous	0.7%	N/A
Total		100.0%	200

Substrain Detected	MM1538	CR2558
C57BL/6NTac	present	present
C57BL/6J	present	present

Constructs Detected
None