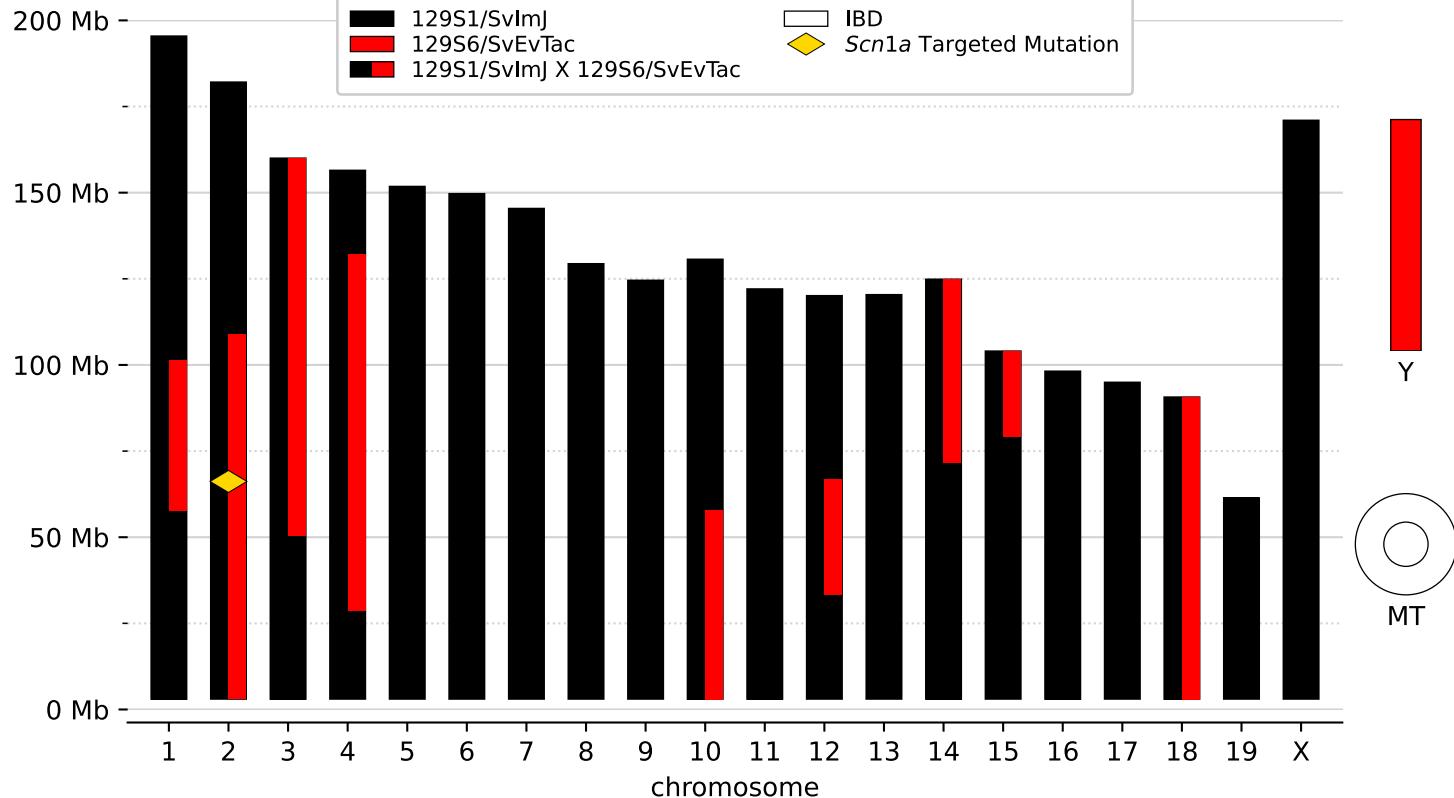


Summary: Incipient Congenic strain carrying the *tm1Kea* allele of the *Scn1a* gene on 129S1/SvlmJ background. The allele of interest present on chromosome 2 is on the donor background (129S6/SvEvTac). The donor background (129S6/SvEvTac) is also present in other chromosomes. 129S1/SvlmJ and 129S6/SvEvTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 24.0% of the genome is segregating for the donor background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2025.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
129S1/SvlmJ	Homozygous	76.0%	N/A
129S1/SvlmJ X 129S6/SvEvTac	Heterozygous	24.0%	33,000
Total		100.0%	33,000
Substrain Detected		Constructs Detected	
129S1/SvlmJ	present	bpA	
129S6/SvEvTac	present		