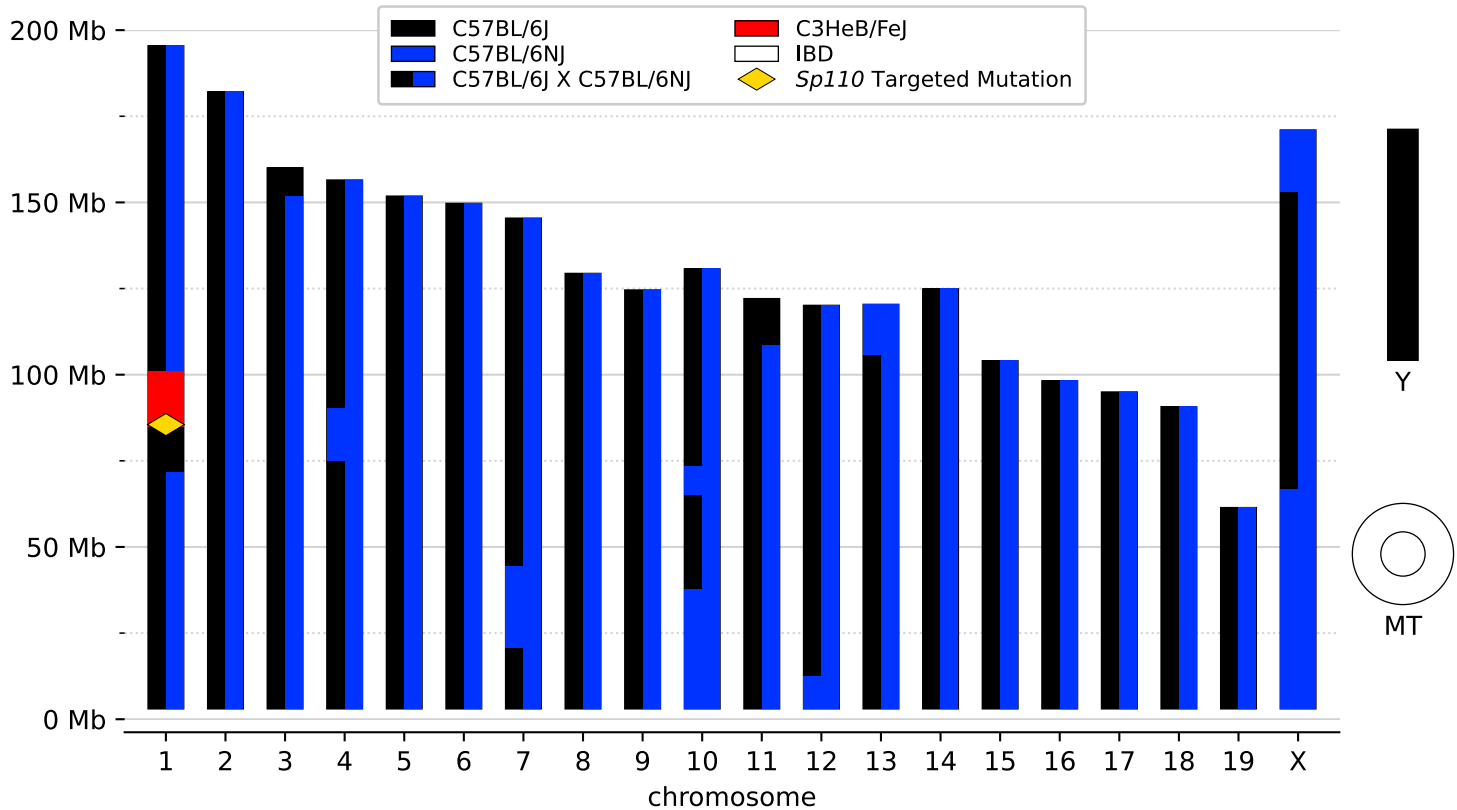


Summary: Congenic strain carrying the *C3HeB/Fej* allele of the *Sst1* gene on mixed C57BL/6 background. The allele of interest present on chromosome 1 is on the donor background (C3HeB/FeJ). C57BL/6J and C57BL/6NJ were detected with diagnostic alleles. The genome of this strain is not fully replicable because at least 90.6% of the genome is segregating for the substrains of the primary background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2025.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NJ	N/A	99.4%	N/A
C57BL/6J	Homozygous	1.4%	N/A
C57BL/6NJ	Homozygous	7.4%	N/A
C57BL/6J X C57BL/6NJ	Heterozygous	90.6%	12,000
C3HeB/FeJ	Homozygous	0.6%	N/A
Total		100.0%	12,000

Substrain Detected	HC8443	HC3806	Constructs Detected
C57BL/6NJ	present	present	None
C57BL/6J	present	present	