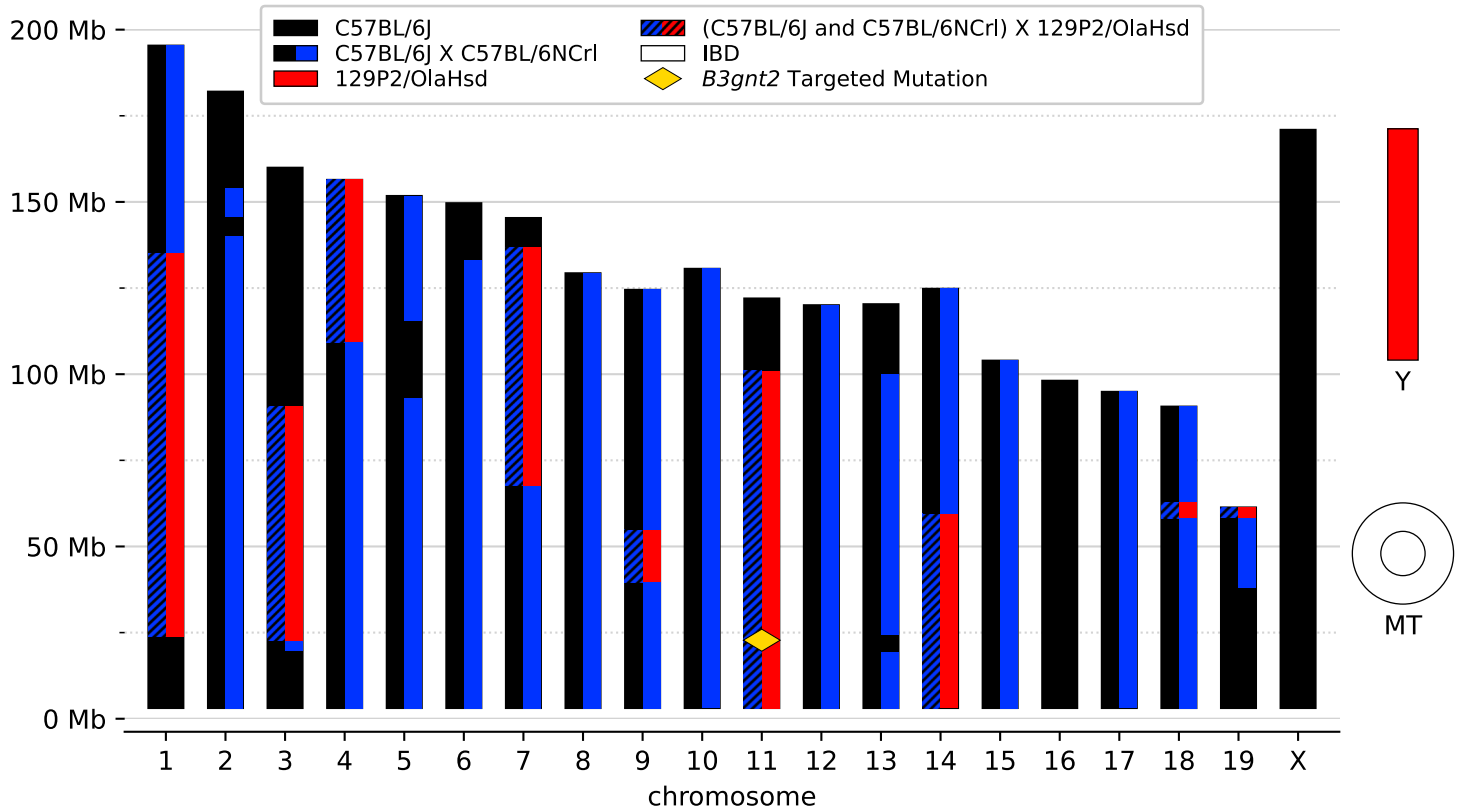


Summary: Incipient congenic strain carrying the *tm1Dgen* allele of the *B3gnt2* gene on mixed C57BL/6 background. The allele of interest present on chromosome 11 is on the donor background (129P2/OlaHsd). The donor background is also present in other chromosomes. 129P2/OlaHsd, C57BL/6J, and C57BL/6NCrI were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 18.4% of the genome is segregating for the donor background and at least 60.9% 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 2026.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NCrI	N/A	81.6%	N/A
C57BL/6J	Homozygous	20.7%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	60.9%	6,400
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	18.4%	544,200
Total		100.0%	550,600

Substrain Detected	GU7114	RC6914	Constructs Detected
C57BL/6J	present	present	IRES
C57BL/6NCrI	present	present	
129P2/OlaHsd	present	present	