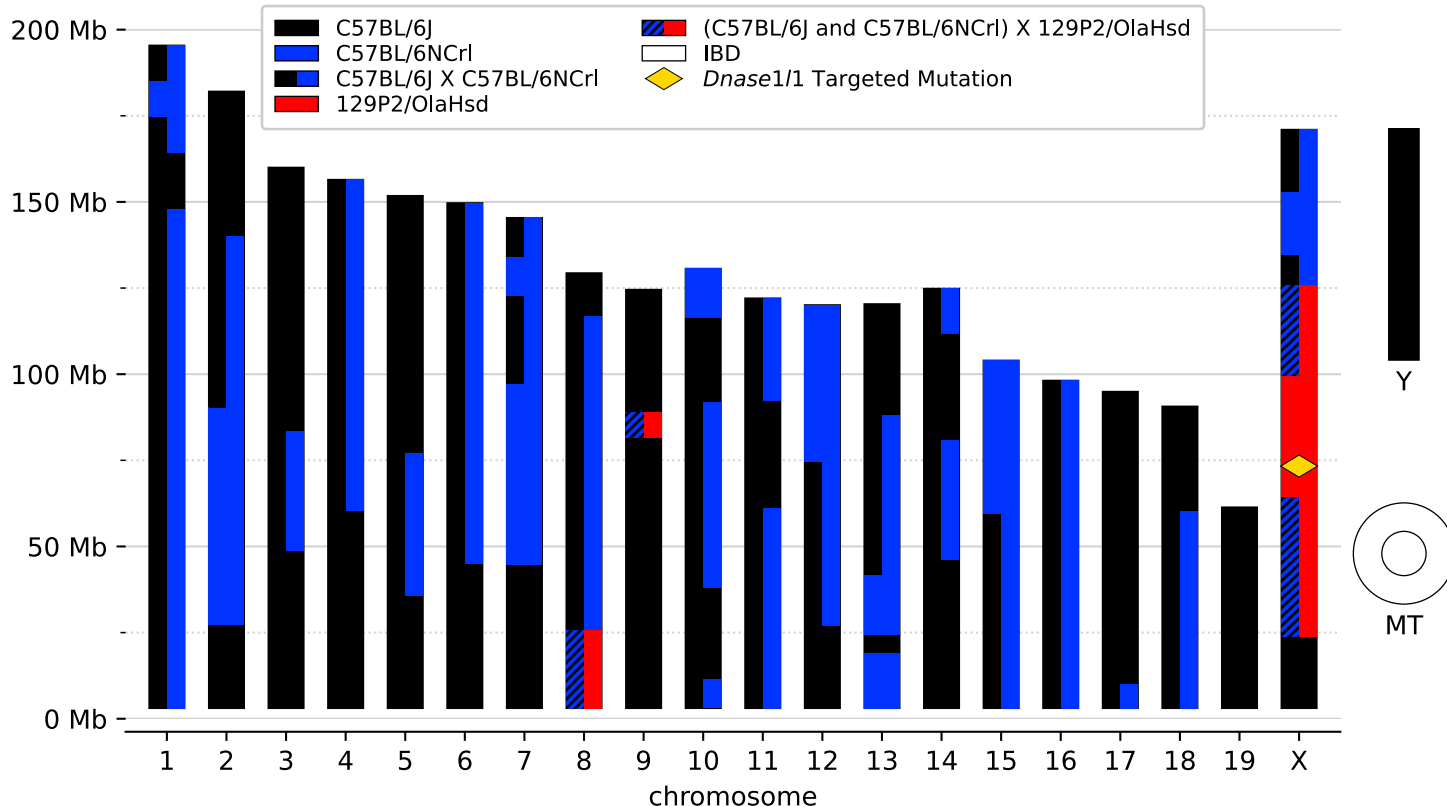


Summary: Incipient congenic strain carrying the *tm1Coy* allele of the *Dnase1l1* gene on mixed C57BL/6 background. The allele of interest present on chromosome X is on the donor background (129P2/OlaHsd). The donor background is also present on chromosomes 8 and 9. 129P2/OlaHsd, C57BL/6J, and C57BL/6NCrI were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 3.8% of the genome is segregating for the donor background and at least 44.8% 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 2019.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NCrI	N/A	94.9%	N/A
C57BL/6J	Homozygous	38.6%	N/A
C57BL/6NCrI	Homozygous	11.4%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	44.8%	5,100
129P2/OlaHsd	Homozygous	1.4%	N/A
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	3.8%	79,500
Total		100.0%	84,600

Substrain Detected	# present in WS5966	# present in WC3627	Total SNPs Annotated
C57BL/6J	124	126	167
C57BL/6NCrI	11	11	33
129P2/OlaHsd	1	2	27

Constructs Detected
hTK_pr