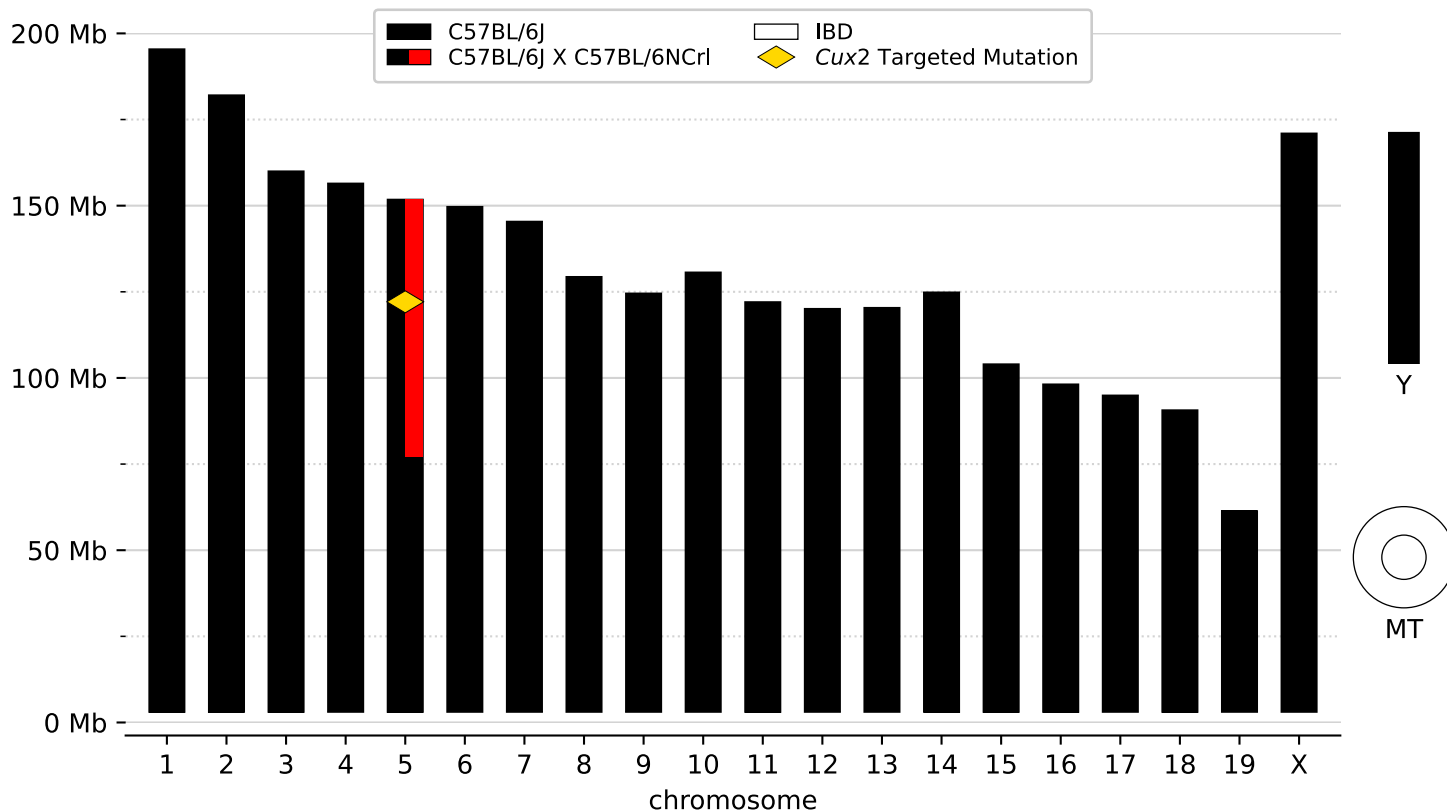


Summary: Congenic strain carrying the *tm2.1(cre)Mull* allele of the *Cux2* gene on C57BL/6J background. The allele of interest present on chromosome 5 is on the donor background (C57BL/6NCrl). C57BL/6J was detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 2.9% of the genome is segregating for the donor background. This strain carries a potentially active allele of cre recombinase with unknown zygosity. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2024.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J	Homozygous	97.1%	N/A
C57BL/6J X C57BL/6NCrl	Heterozygous	2.9%	300
Total		100.0%	300

Substrain Detected	# present in WM0437	# present in WX8513	Total SNPs Annotated	Constructs Detected
C57BL/6J	166	166	168	Cre