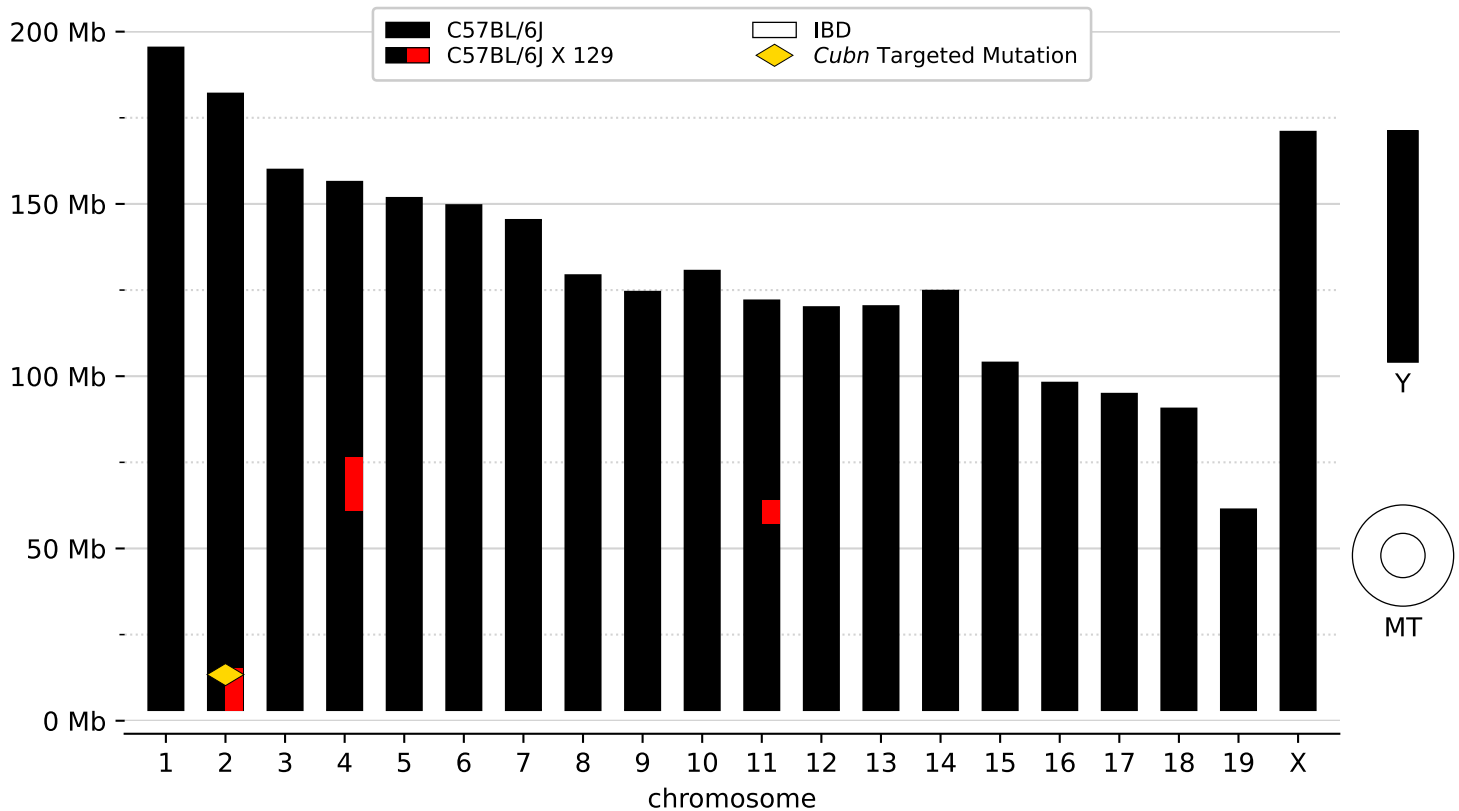


Summary: Incipient congenic strain carrying the *tm1Sarg* allele of the *Cubn* gene on C57BL/6J background. The allele of interest present on chromosome 2 is on the donor background (129). The 129 origin of the ES cells was not specified and MiniMUGA can not distinguish among the multiple 129 reference strains. The donor background (129) is also present on chromosomes 4 and 11. C57BL/6J was detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.3% of the genome is segregating for the donor background. This strain carries a potentially active allele of green (or similar) fluorescent protein 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	98.7%	N/A
C57BL/6J X 129	Heterozygous	1.3%	54,200
Total		100.0%	54,200

Substrain Detected	TC6525	JF9224	Constructs Detected
C57BL/6J	present	present	g_FP