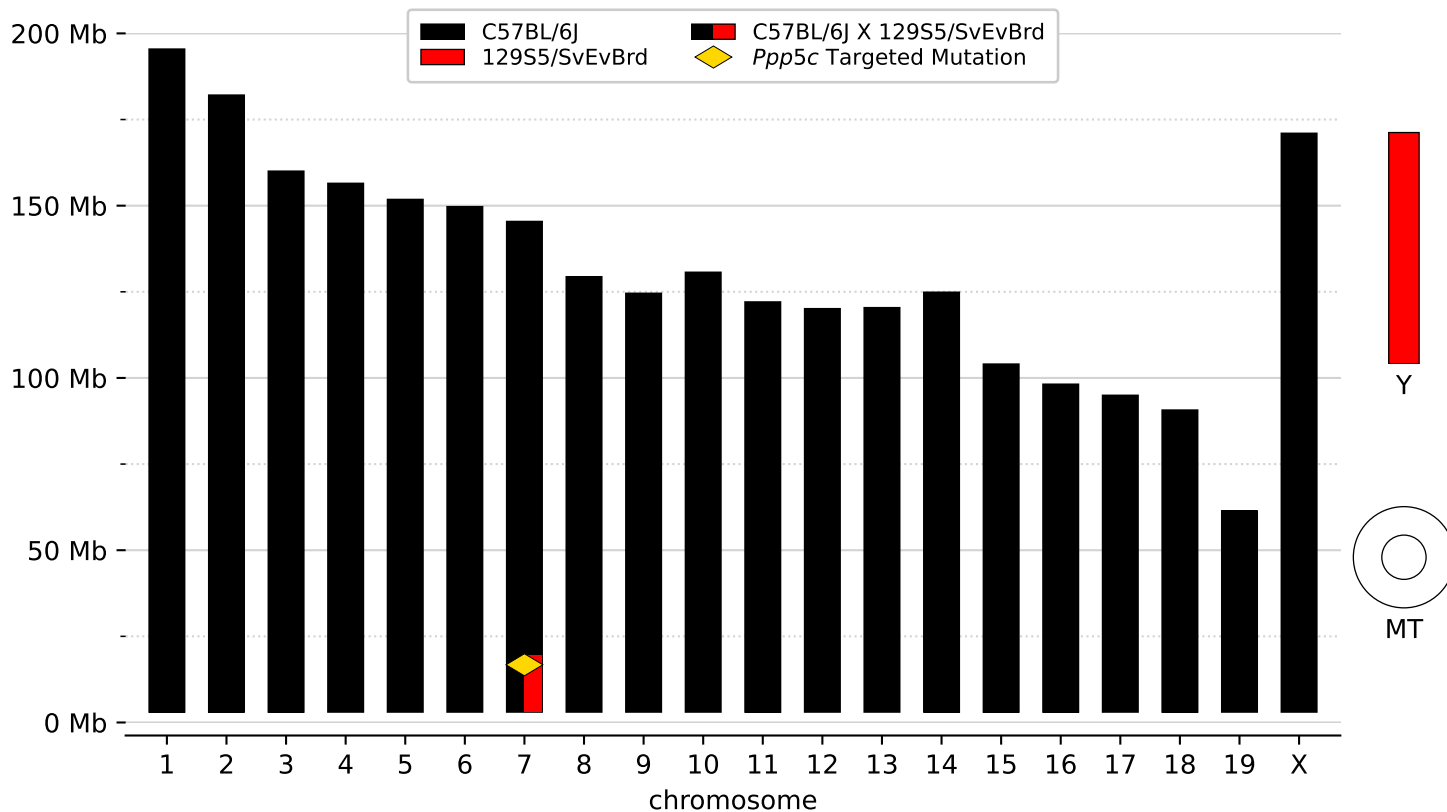


Summary: Incipient congenic strain carrying the *tm1Lex* allele of the *Ppp5c* gene on C57BL/6J background. The allele of interest present on chromosome 7 is on the donor background (129S5/SvEvBrd). The donor background is also present on chromosome Y. 129S5/SvEvBrd and C57BL/6J were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.6% of the genome is segregating for the donor background. 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	99.4%	N/A
C57BL/6J X 129S5/SvEvBrd	Heterozygous	0.6%	109,400
Total		100.0%	109,400

Substrain Detected	# present in DQ2449	# present in RU4459	Total SNPs Annotated
C57BL/6J	164	164	168
129S5/SvEvBrd	1	1	11

Constructs Detected
hTK_pr, IRES