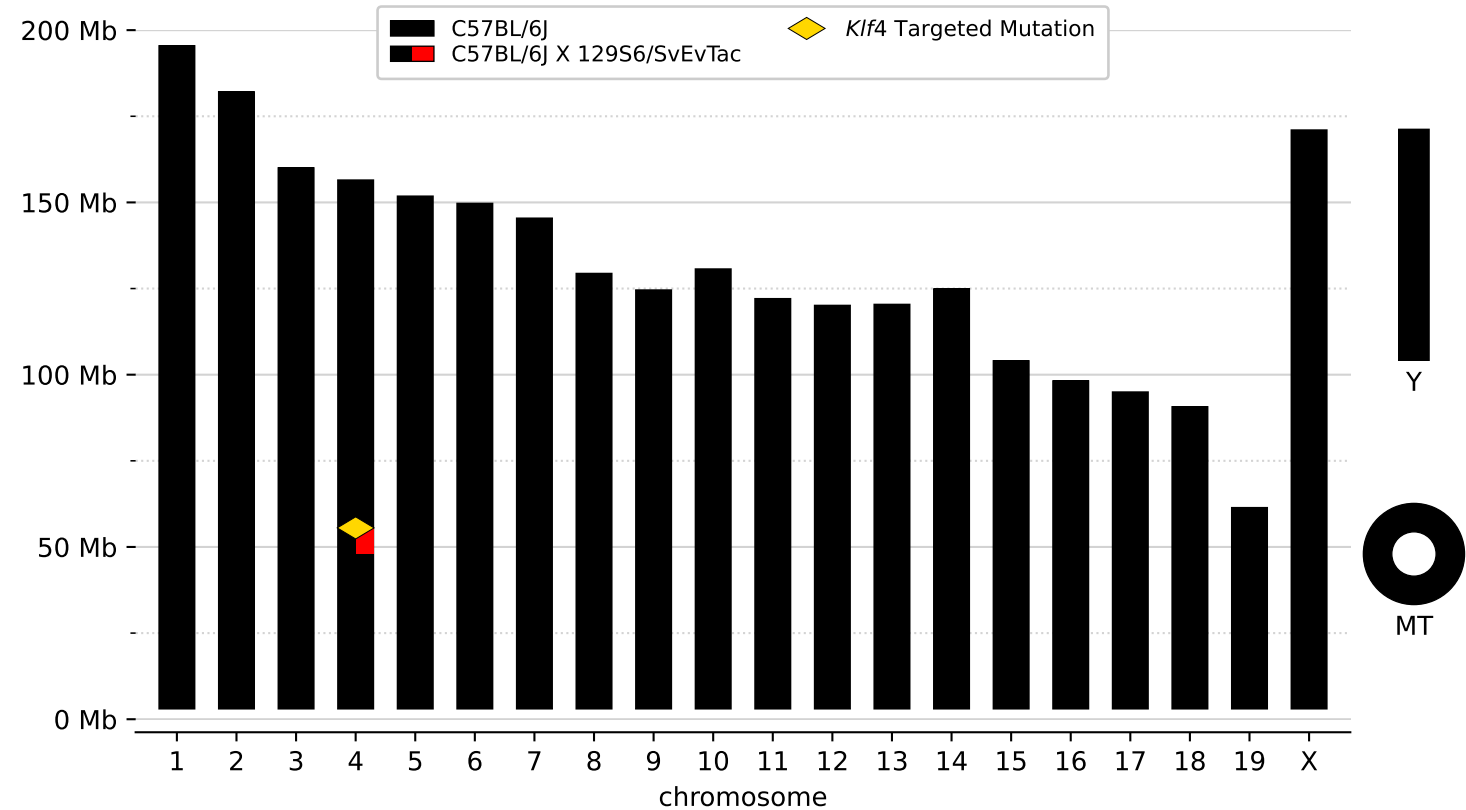


Summary: Congenic strain carrying the *tm1Khk* allele of the *Klf4* gene on C57BL/6J background. The allele of interest present on chromosome 4 is on the donor background (129S6/SvEvTac). C57BL/6J was detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.3% 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	99.7%	N/A
C57BL/6J X 129S6/SvEvTac	Heterozygous	0.3%	13,200
<b>Total</b>		<b>100.0%</b>	<b>13,200</b>

Substrain Detected	# present in FD3018	# present in XZ6502	Total SNPs Annotated	Constructs Detected
C57BL/6J	166	166	168	None