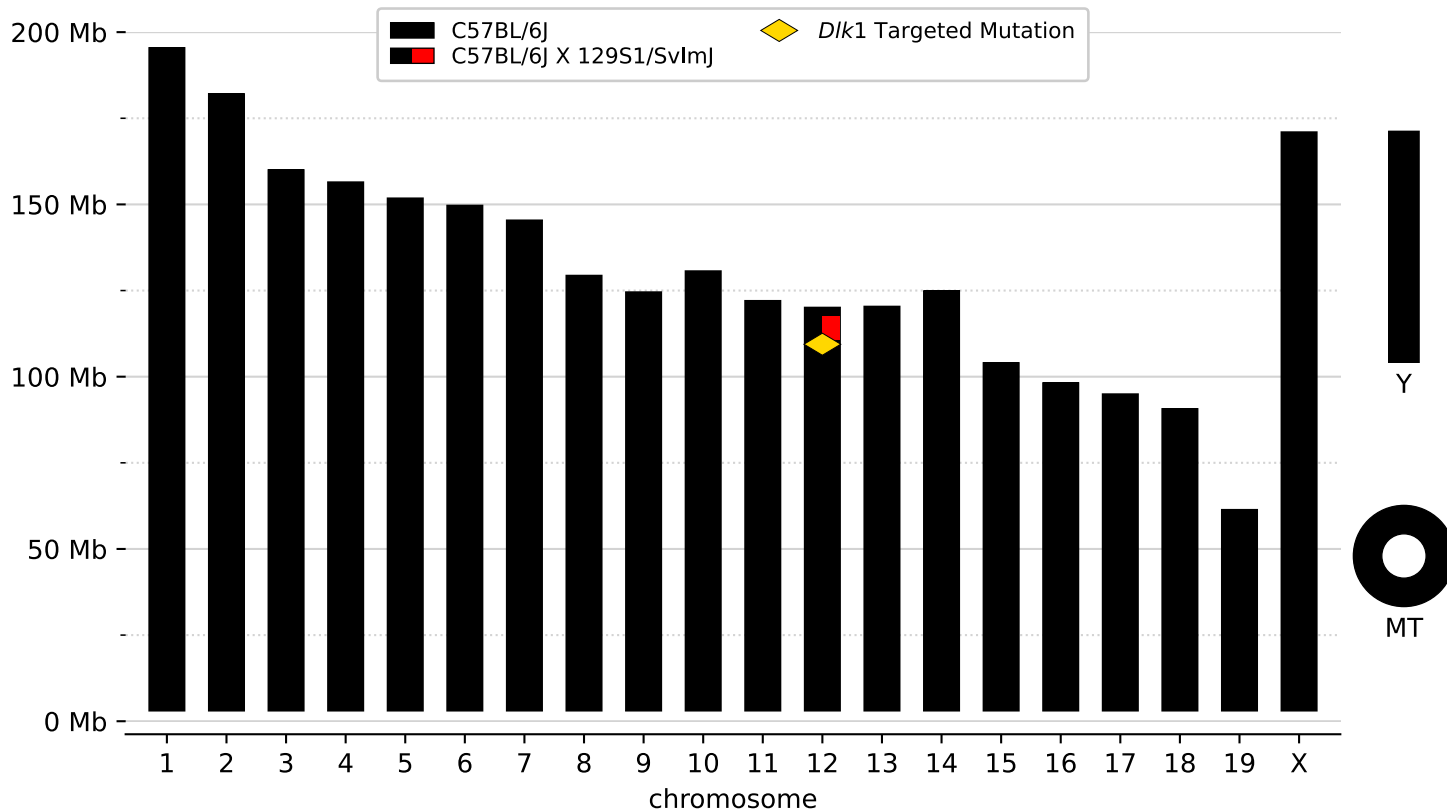


Summary: Congenic strain carrying a knock-in of the *Dlk1* gene on C57BL/6J background. The knock-in present on chromosome 12 is on the donor background (129S1/SvImJ). C57BL/6J and DBA/2J0laHsd were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.3% 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	Zygoty	Genome %	Estimated # Segregating SNPs
C57BL/6J	Homozygous	99.7%	N/A
C57BL/6J X 129S1/SvImJ	Heterozygous	0.3%	25,200
<b>Total</b>		<b>100.0%</b>	<b>25,200</b>

Substrain Detected	# present in LB5658	# present in VK9623	Total SNPs Annotated
C57BL/6J	164	166	168
DBA/2J0laHsd	1	0	39

Constructs Detected
IRES, r_FP