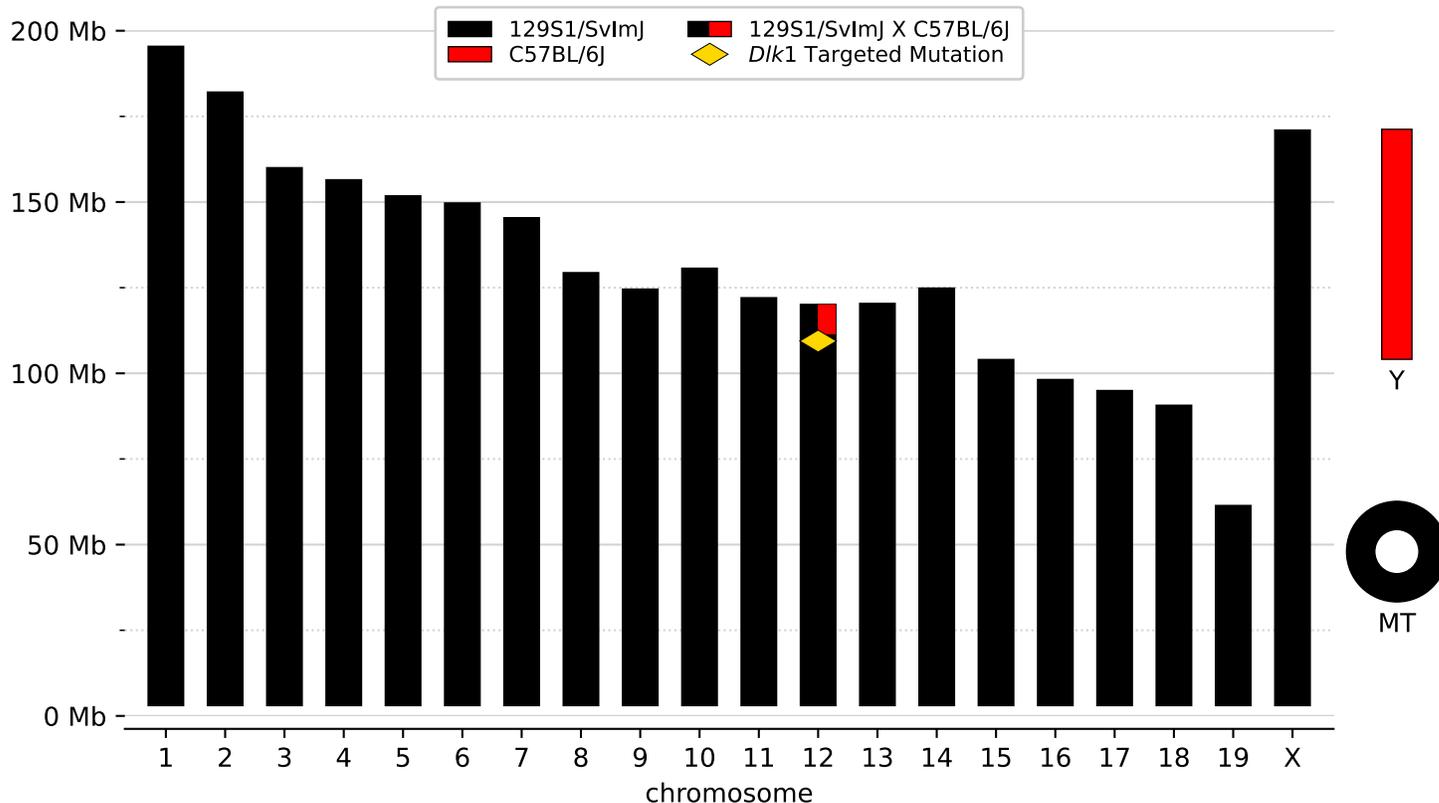


Summary: Incipient congenic strain carrying the *tm2.1Stadt* allele of the *Dlk1* gene on 129S1/SvImJ background. The allele of interest present on chromosome 12 is on the donor background (C57BL/6J). The donor background is also present on chromosome Y. 129S1/SvImJ and C57BL/6J were detected with diagnostic 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 strain carries a potentially active allele of red (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
129S1/SvImJ	Homozygous	99.7%	N/A
129S1/SvImJ X C57BL/6J	Heterozygous	0.3%	26,900
Total		100.0%	26,900

Substrain Detected	# present in FB5510	# present in FY3905	Total SNPs Annotated
129S1/SvImJ	101	101	103
C57BL/6J	2	2	104

Constructs Detected
IRES, r_FP