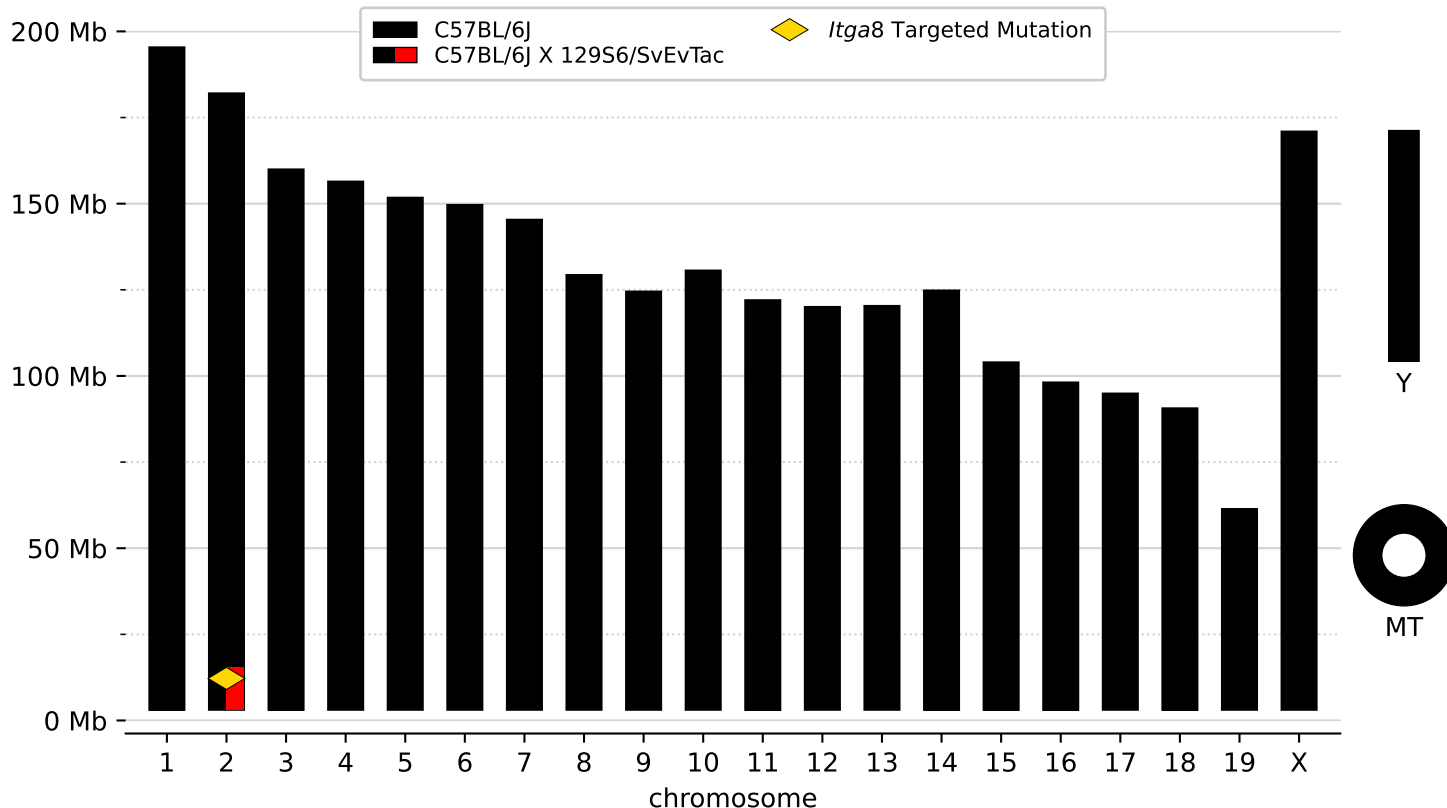


Summary: Congenic strain carrying the *tm1.1(*cre/ERT2*)*Jomm** allele of the *Itga8* gene on C57BL/6J background. The allele of interest present on chromosome 2 is on the donor background (129S6/SvEvTac). C57BL/6J was detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.5% of the genome is segregating for the donor background. This strain carries a potentially active allele of *cre* recombinase 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	99.5%	N/A
C57BL/6J X 129S6/SvEvTac	Heterozygous	0.5%	4,100
<b>Total</b>		<b>100.0%</b>	<b>4,100</b>

Substrain Detected	# present in XT1549	# present in ZV0822	Total SNPs Annotated
C57BL/6J	168	168	168

Constructs Detected
<b>Cre</b>