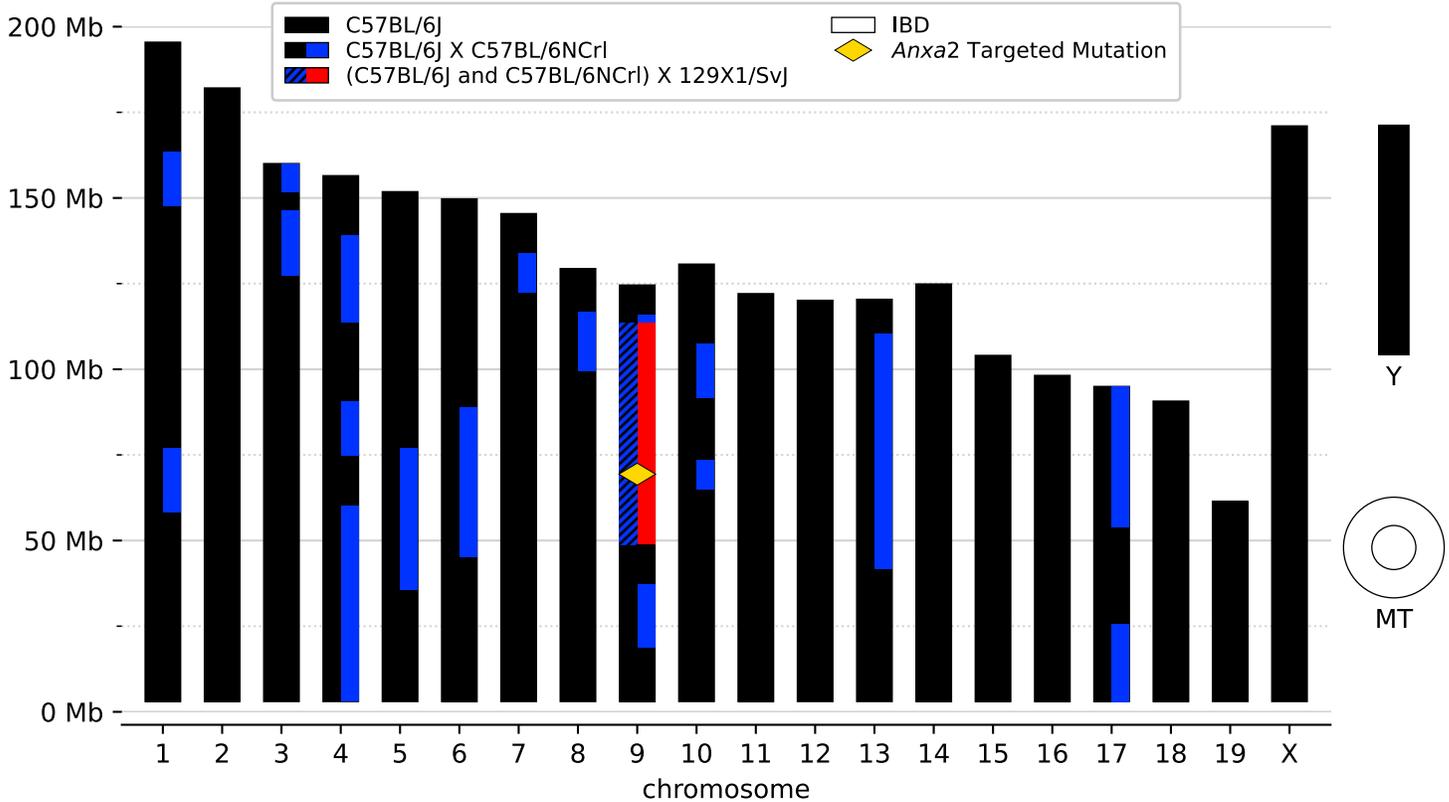


Summary: Congenic strain carrying the *tm1Kah* allele of the *Anxa2* gene on mixed C57BL/6 background. The allele of interest present on chromosome 9 is on the donor background (129X1/SvJ). C57BL/6J and C57BL/6NCrI were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 2.5% of the genome is segregating for the donor background and at least 17.5% of the genome is segregating for the substrains of the primary 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 and C57BL/6NCrI	N/A	97.5%	N/A
C57BL/6J	Homozygous	80.0%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	17.5%	2,400
(mixed C57BL/6) X 129X1/SvJ	Heterozygous	2.5%	66,300
<b>Total</b>		<b>100.0%</b>	<b>68,800</b>

Substrain Detected	AU1187	UN5801	Constructs Detected
C57BL/6J	present	present	
C57BL/6NCrI	present	present	
			None