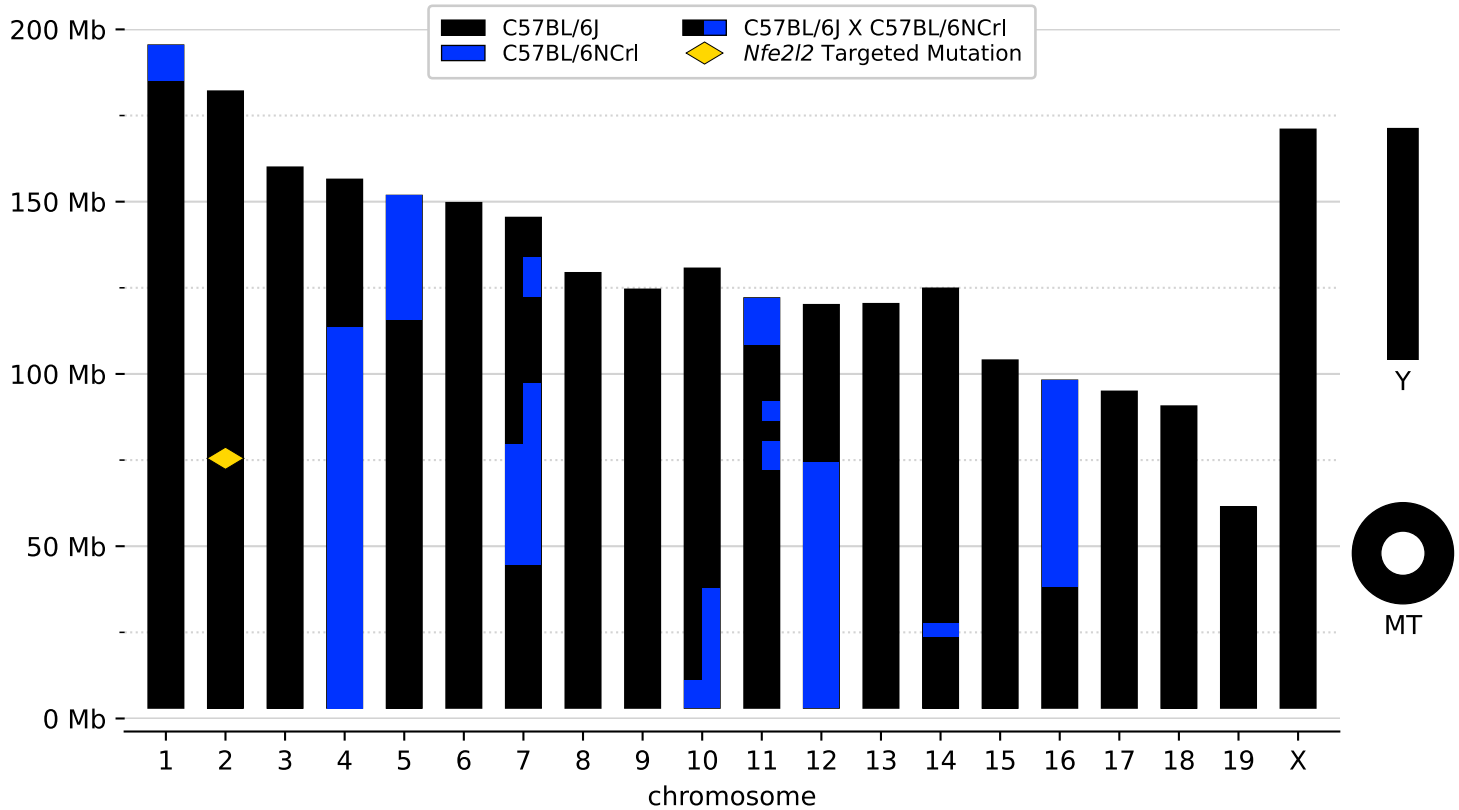


Summary: Incipient congenic strain carrying the em1Mma allele of the Nfe2l2 gene on mixed C57BL/6 background. The allele of interest present on chromosome 2 is on the donor background (C57BL/6J). C57BL/6J and C57BL/6NCrI were detected with diagnostic alleles. The genome of this strain is not fully replicable because at least 2.7% 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	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J	Homozygous	83.7%	N/A
C57BL/6NCrI	Homozygous	13.6%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	2.7%	700
Total		100.0%	700

Substrain Detected	DJ5495	QH1432	Constructs Detected
C57BL/6J	present	present	None
C57BL/6NCrI	present	present	