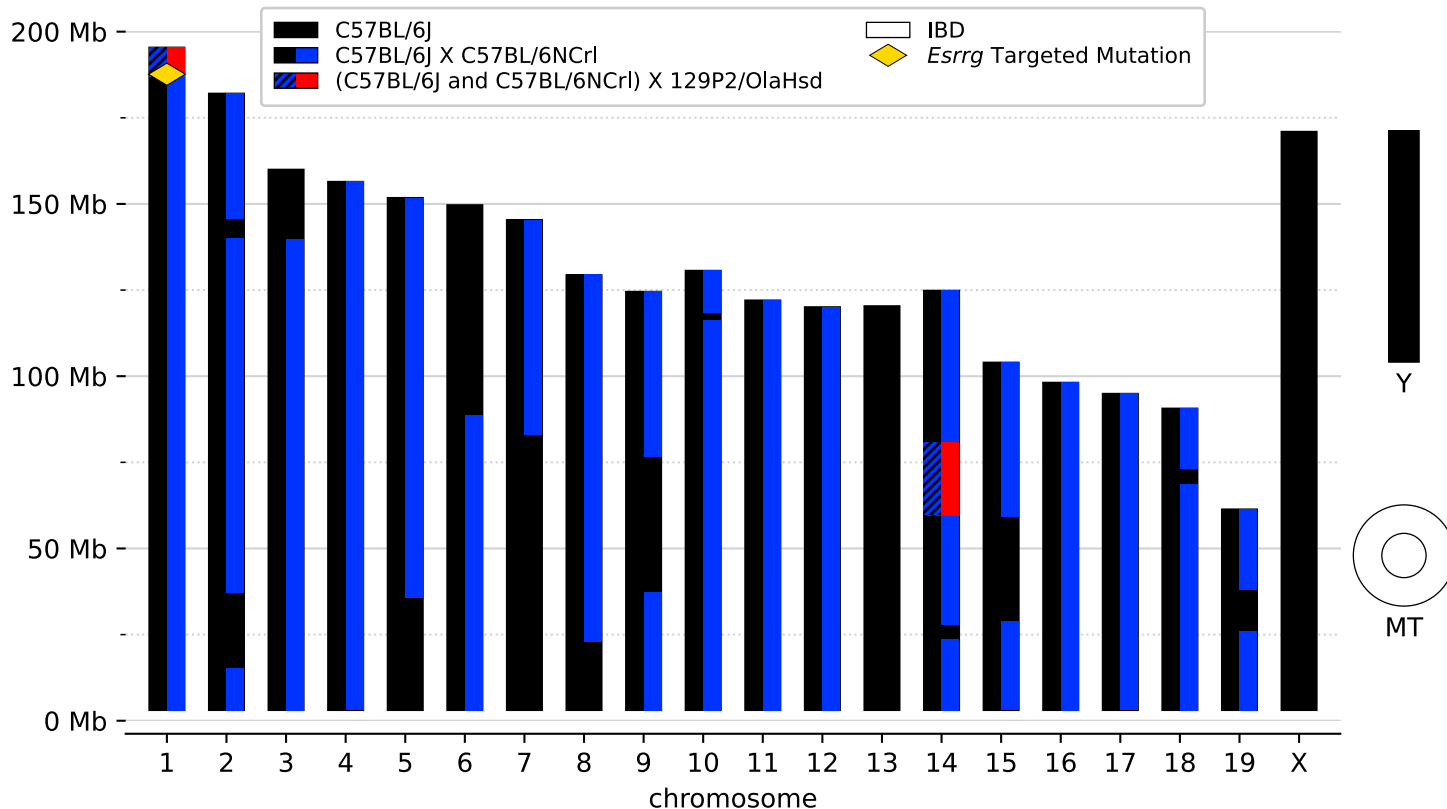


Summary: Incipient congenic strain carrying the *tm1Dgen* allele of the *Esrrg* gene on mixed C57BL/6 background. The allele of interest present on chromosome 1 is on the donor background (129P2/OlaHsd). The donor background is also present on chromosome 14. C57BL/6J and C57BL/6NCrI were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.2% of the genome is segregating for the donor background and at least 74.8% 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 2026.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NCrI	N/A	98.8%	N/A
C57BL/6J	Homozygous	24.0%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	74.8%	8,100
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	1.2%	43,200
Total		100.0%	51,300

Substrain Detected	ZB0139	YT7541	Constructs Detected
C57BL/6J	present	present	IRES
C57BL/6NCrI	present	present	