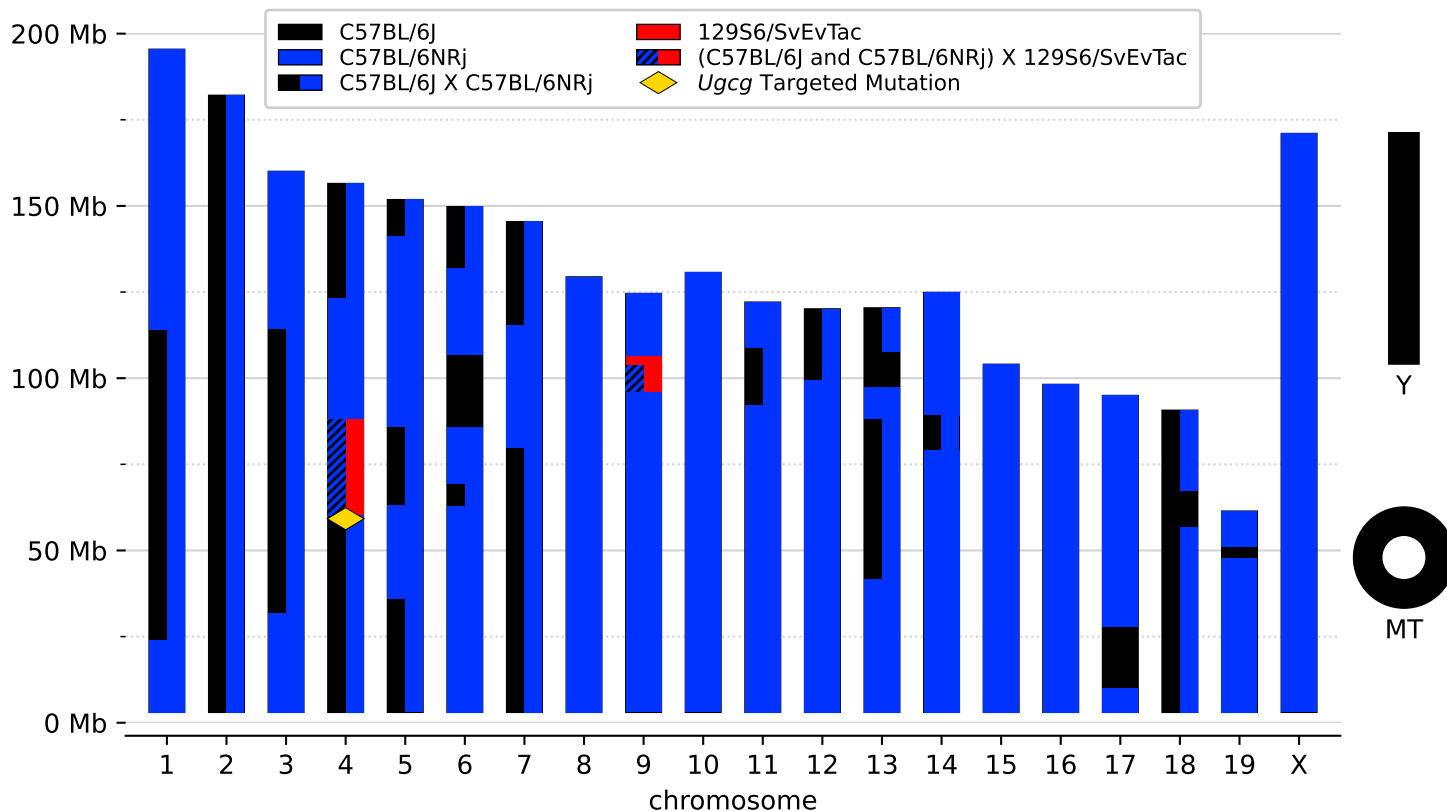


Summary: Incipient congenic strain carrying the *tm4Rlp* allele of the *Ugcg* gene on mixed C57BL/6 background. The allele present on chromosome 4 is on the donor background (129S6/SvEvTac). The donor background is also present on chromosome 9. 129S6/SvEvTac, C57BL/6J, and C57BL/6NRj were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.4% of the genome is segregating for the donor background and at least 31.9% 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 2021.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NRj	N/A	98.5%	N/A
C57BL/6J	Homozygous	2.4%	N/A
C57BL/6NRj	Homozygous	64.2%	N/A
C57BL/6J X C57BL/6NRj	Heterozygous	31.9%	4,100
129S6/SvEvTac	Homozygous	0.1%	N/A
(mixed C57BL/6) X 129S6/SvEvTac	Heterozygous	1.4%	56,700
Total		100.0%	60,800

Substrain Detected	# present in HM7679	# present in EV8208	Total SNPs Annotated
C57BL/6J	35	33	158
C57BL/6NRj	29	25	40
129S6/SvEvTac	1	1	40

Constructs Detected
None