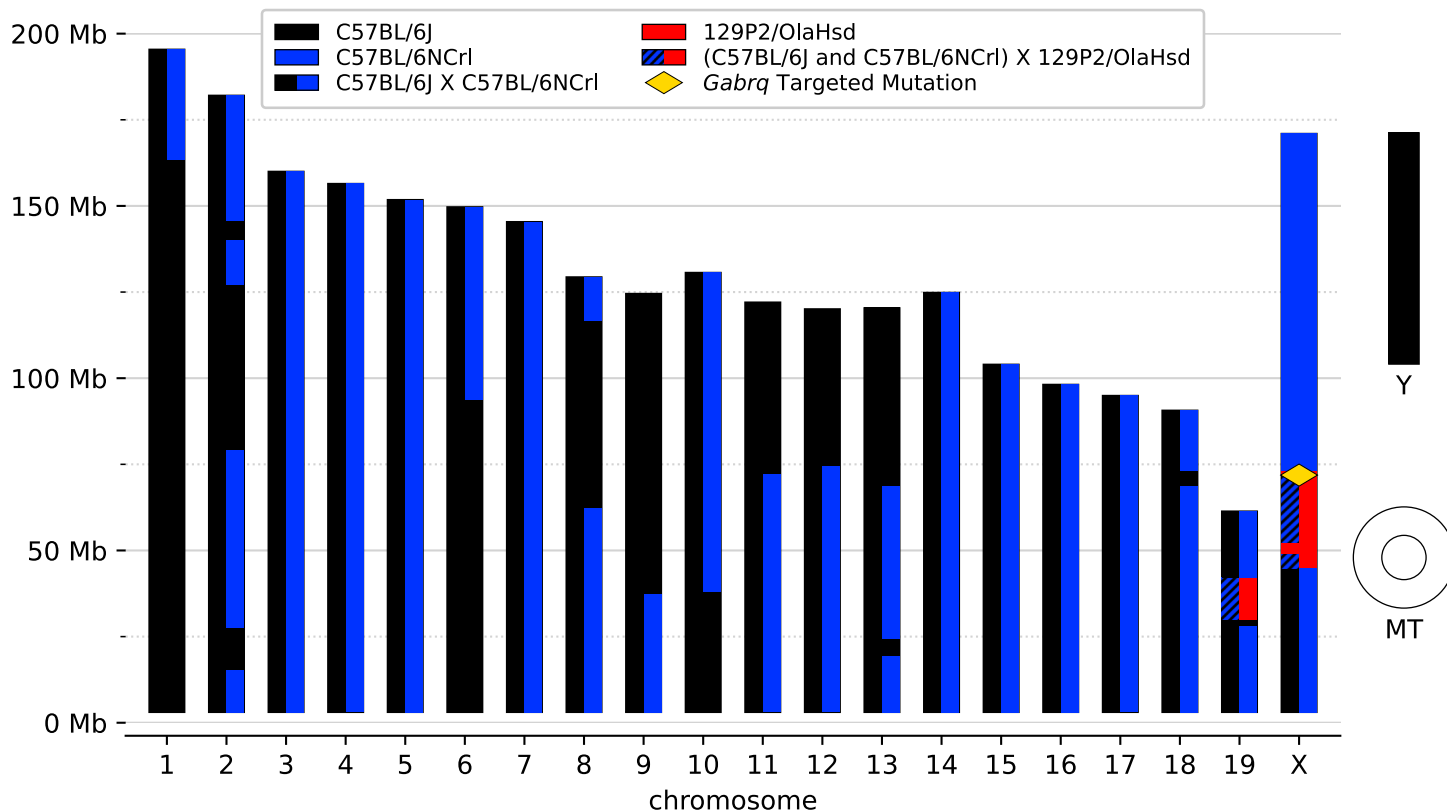


Summary: Incipient congenic strain carrying a null allele of the *Gabrq* gene on mixed C57BL/6 background. The null allele present on chromosome X is on the donor background (129P2/OlaHsd). The donor background is also present on chromosome 19. C57BL/6J and C57BL/6NCrI were detected with diagnostic alleles. 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 69.3% 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/6NCrI	N/A	98.4%	N/A
C57BL/6J	Homozygous	25.3%	N/A
C57BL/6NCrI	Homozygous	3.8%	N/A
C57BL/6J X C57BL/6NCrI	Heterozygous	69.3%	7,400
129P2/OlaHsd	Homozygous	0.2%	N/A
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	1.4%	13,200
Total		100.0%	20,600

Substrain Detected	# present in EJ9304	# present in TU1546	Total SNPs Annotated
C57BL/6J	159	160	168
C57BL/6NCrI	10	14	33

Constructs Detected
IRES