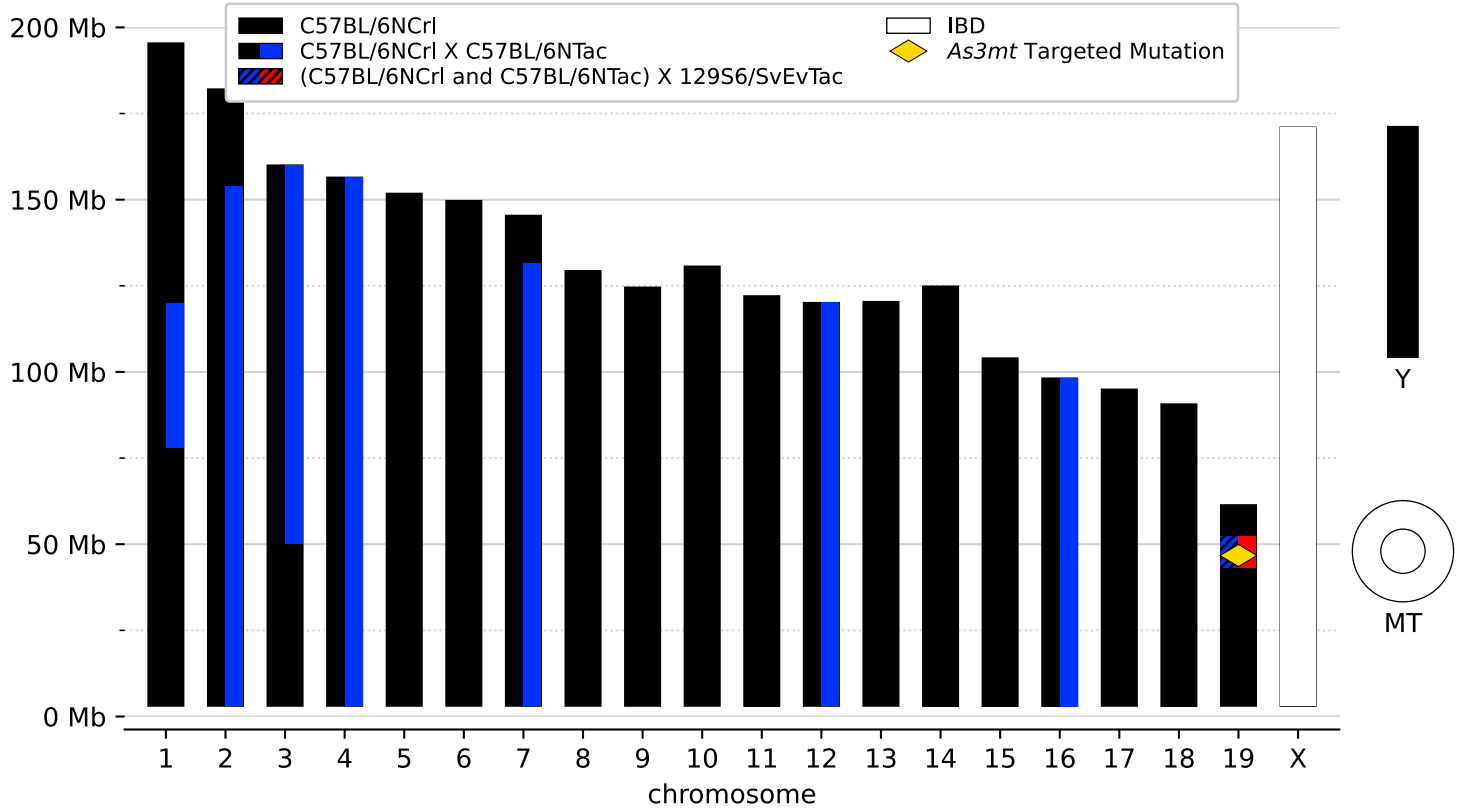


Summary: Congenic strain carrying the Isr(HSA10;BORCS7-AS3MT) allele of the As3mt gene on mixed C57BL/6N background. The allele of interest present on chromosome 19 is on the donor background (129S6/SvEvTac). 129S6/SvEvTac, C57BL/6NCrI, and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.4% of the genome is segregating for the donor background and at least 31.0% 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/6NCrI and C57BL/6NTac	N/A	99.6%	N/A
C57BL/6NCrI	Homozygous	62.2%	N/A
C57BL/6NCrI X C57BL/6NTac	Heterozygous	31.0%	3,200
(mixed C57BL/6) X 129S6/SvEvTac	Heterozygous	0.4%	7,500
IBD	Homozygous	6.5%	N/A
Total		100.0%	10,700

Substrain Detected	FD3040	UY3088
C57BL/6NCrI	present	present
C57BL/6NTac	present	present
129S6/SvEvTac	present	present

Constructs Detected
None