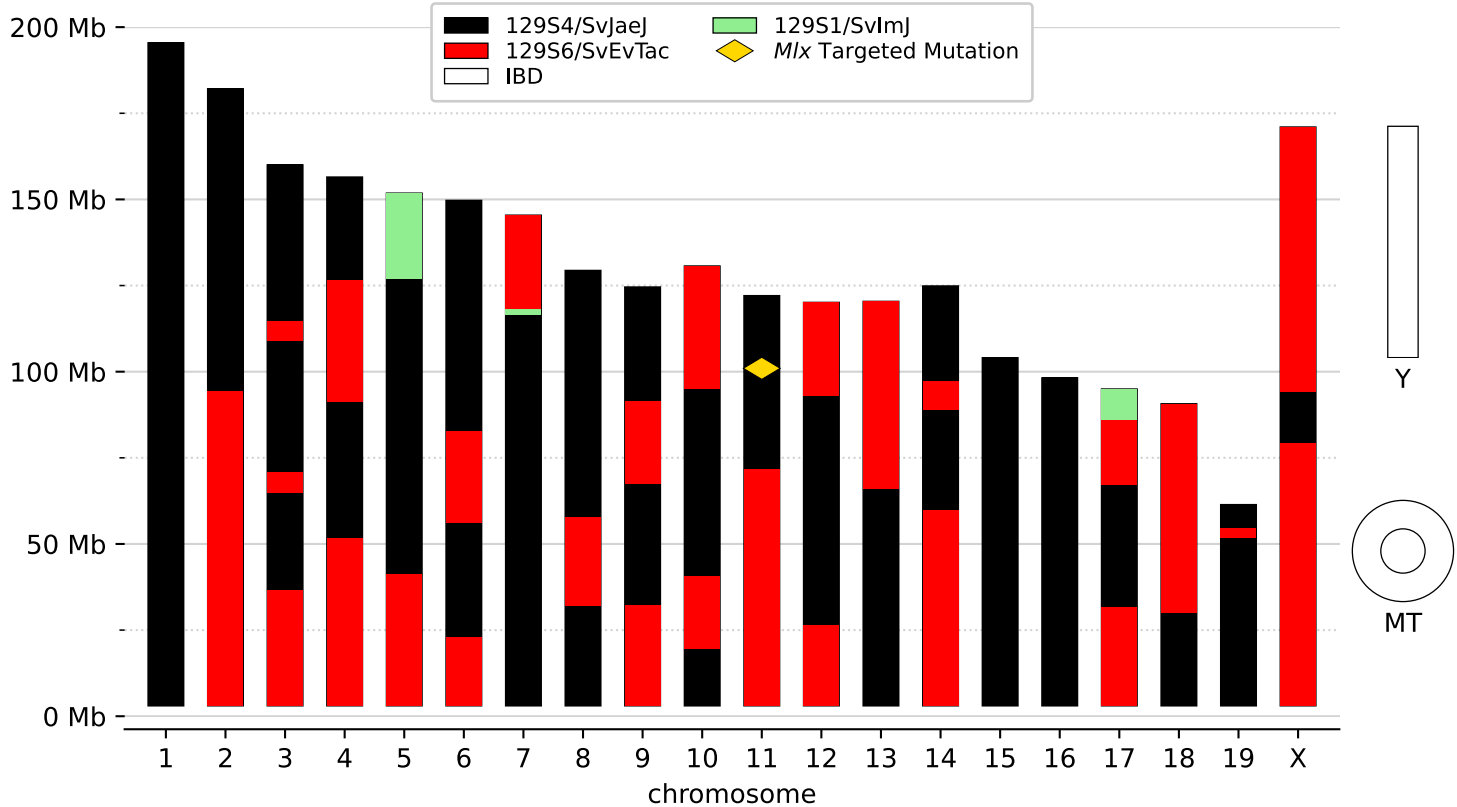


Summary: Recombinant inbred strain carrying the *tm1.1Rne* allele of the *Mlx* gene on mixed 129S background. The allele of interest present on chromosome 11 is on the donor background (129S4/SvJaeJ). 129S1/SvImJ, 129S4/SvJaeJ, and 129S6/SvEvTac were detected with diagnostic alleles. The genome of this strain is fully replicable. This GQC report is based on the MiniMUGA G3 2024 pipeline using 1 sample genotyped in 2026.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
129S4/SvJaeJ	Homozygous	60.9%	N/A
129S6/SvEvTac	Homozygous	37.8%	N/A
129S1/SvImJ	Homozygous	1.4%	N/A
Total		100.0%	0

Substrain Detected	AL8704	FV4535
129S4/SvJaeJ	present	present
129S6/SvEvTac	present	present
129S1/SvImJ	present	present

Constructs Detected
None