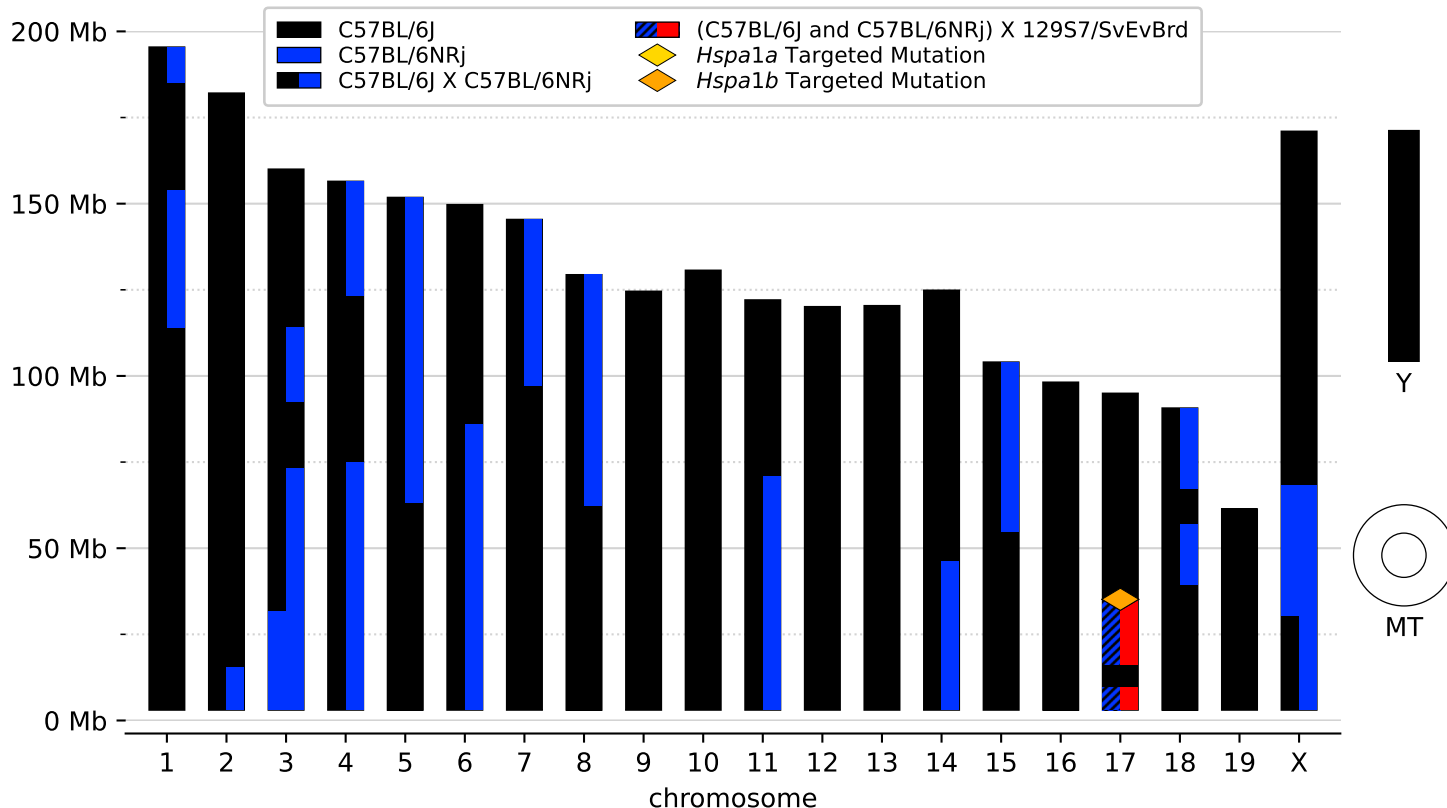


Summary: Incipient congenic strain carrying the *Del(17Hspa1b-Hsp1a)1Dix* allele of the *Hspa1a* gene on mixed C57BL/6 background. The allele of interest is present on chromosome 17 is on the donor background (129S7/SvEvBrd). 129S4/SvJaeJ, C57BL/6J, and C57BL/6NRj were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.0% of the genome is segregating for the donor background and at least 29.0% 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 2024.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
C57BL/6J and C57BL/6NRj	N/A	99.0%	N/A
C57BL/6J	Homozygous	67.4%	N/A
C57BL/6NRj	Homozygous	2.6%	N/A
C57BL/6J X C57BL/6NRj	Heterozygous	29.0%	3,300
(mixed C57BL/6) X 129S7/SvEvBrd	Heterozygous	1.0%	29,100
Total		100.0%	32,400

Substrain Detected	# present in SI0584	# present in TG1546	Total SNPs Annotated
C57BL/6J	158	153	168
C57BL/6NRj	9	10	37
129S4/SvJaeJ	1	1	7

Constructs Detected
None