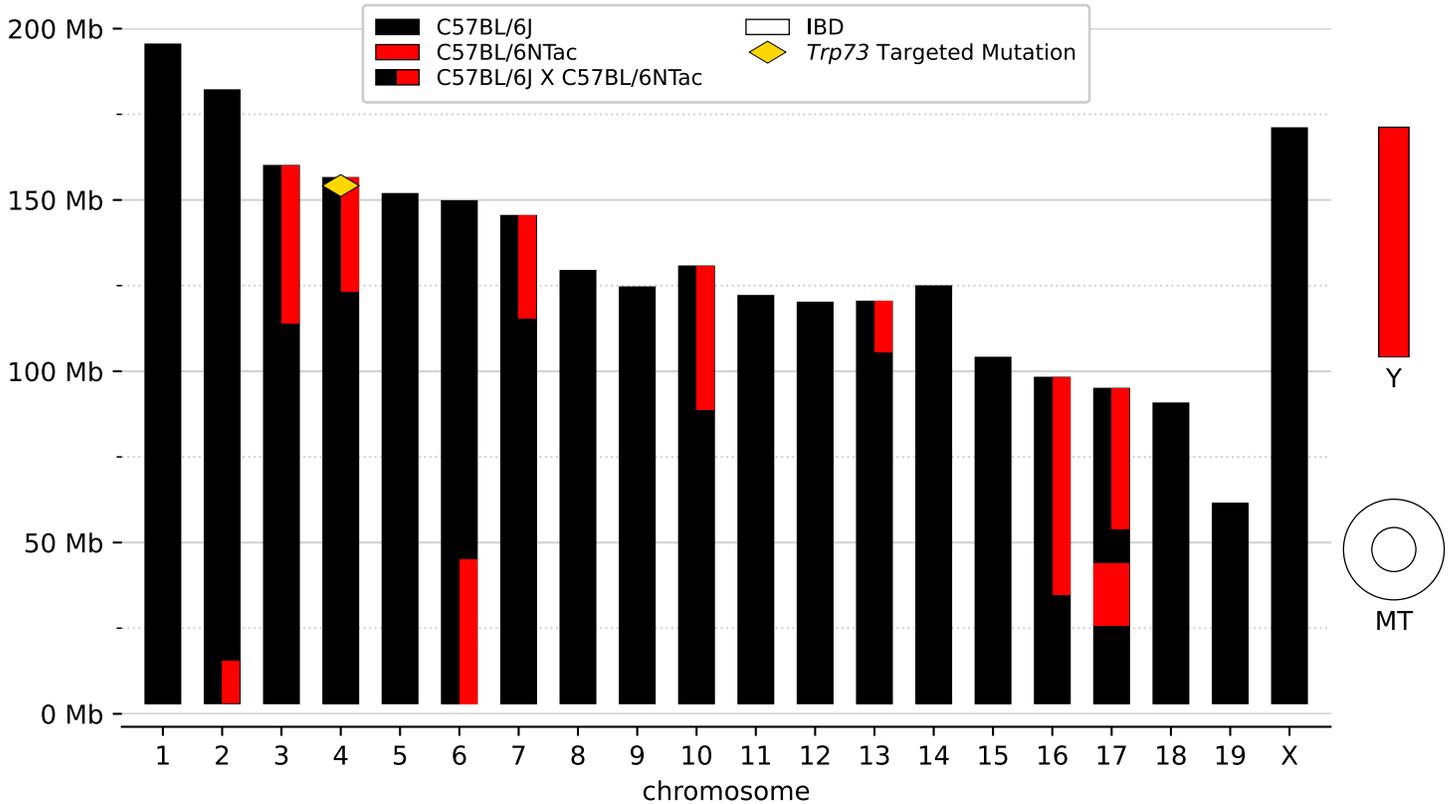


Summary: Incipient congenic strain carrying the *tm1a(KOMP)Wtsi* allele of the *Trp73* gene on C57BL/6J background. The allele of interest present on chromosome 4 is on the donor background (C57BL/6NTac). The donor background is also present in other chromosomes. C57BL/6J and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 12.6% of the genome is segregating for the donor background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2024.



| Genetic Background | Zygoty | Genome % | Estimated # Segregating SNPs |
|------------------------|--------------|---------------|------------------------------|
| C57BL/6J | Homozygous | 86.7% | N/A |
| C57BL/6NTac | Homozygous | 0.7% | N/A |
| C57BL/6J X C57BL/6NTac | Heterozygous | 12.6% | 1,300 |
| Total | | 100.0% | 1,300 |

| Substrain Detected | WK3239 | KD4741 | Constructs Detected |
|--------------------|---------|---------|---------------------|
| C57BL/6J | present | present | |
| C57BL/6NTac | present | present | IRES |