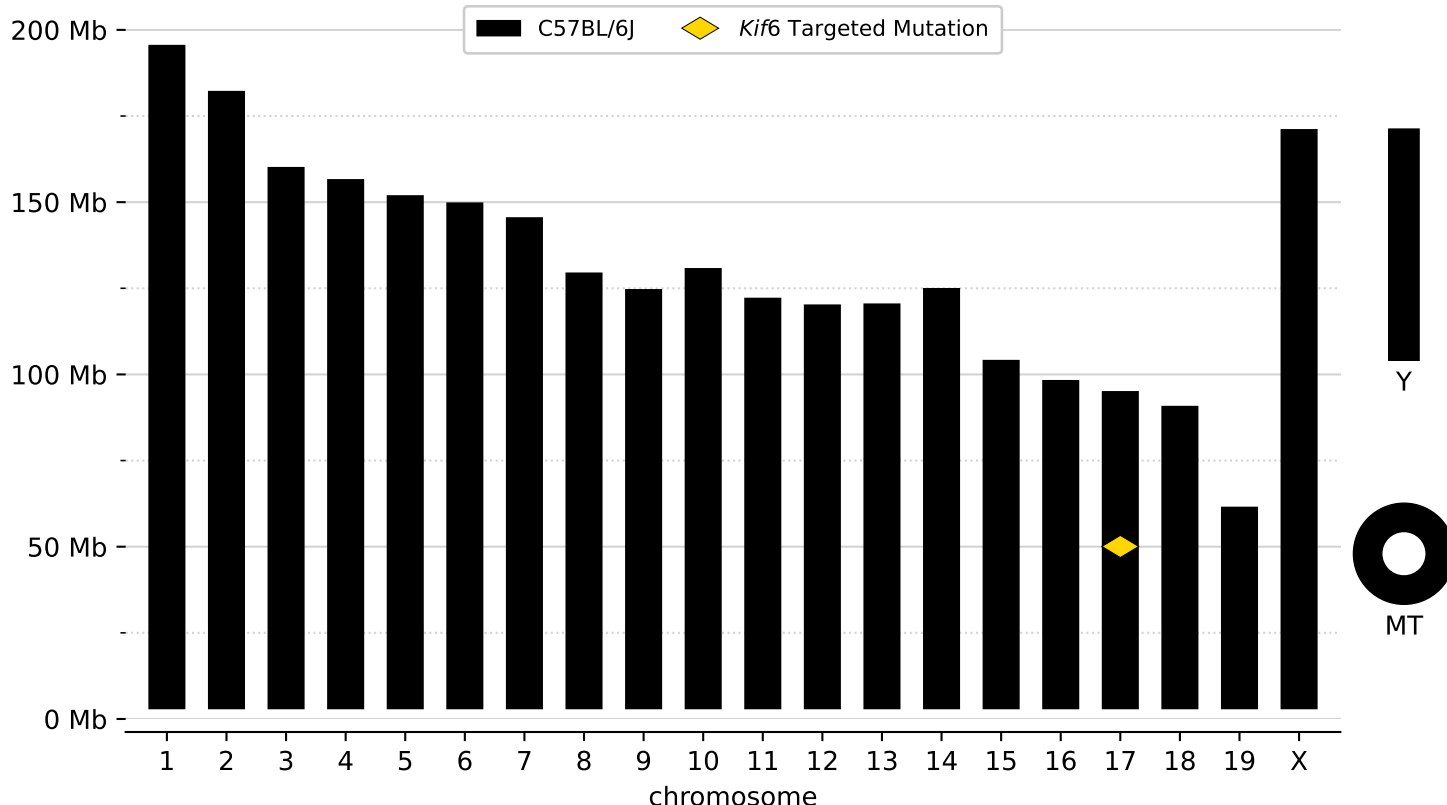


Summary: Coisogenic strain carrying the *em1(R556Vfs\*7)Rgray* allele of the *Kif6* gene on C57BL/6J background. C57BL/6J was detected with diagnostic alleles. The genome of this strain is fully replicable. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2021.



| Genetic Background | Zygoty     | Genome %      | Estimated # Segregating SNPs |
|--------------------|------------|---------------|------------------------------|
| C57BL/6J           | Homozygous | 100.0%        | N/A                          |
| <b>Total</b>       |            | <b>100.0%</b> | <b>0</b>                     |

| Substrain Detected | # present in SM9995 | # present in IH7195 | Total SNPs Annotated |
|--------------------|---------------------|---------------------|----------------------|
| C57BL/6J           | 165                 | 166                 | 168                  |

| Constructs Detected |
|---------------------|
| None                |