MMRRC Strain GQC

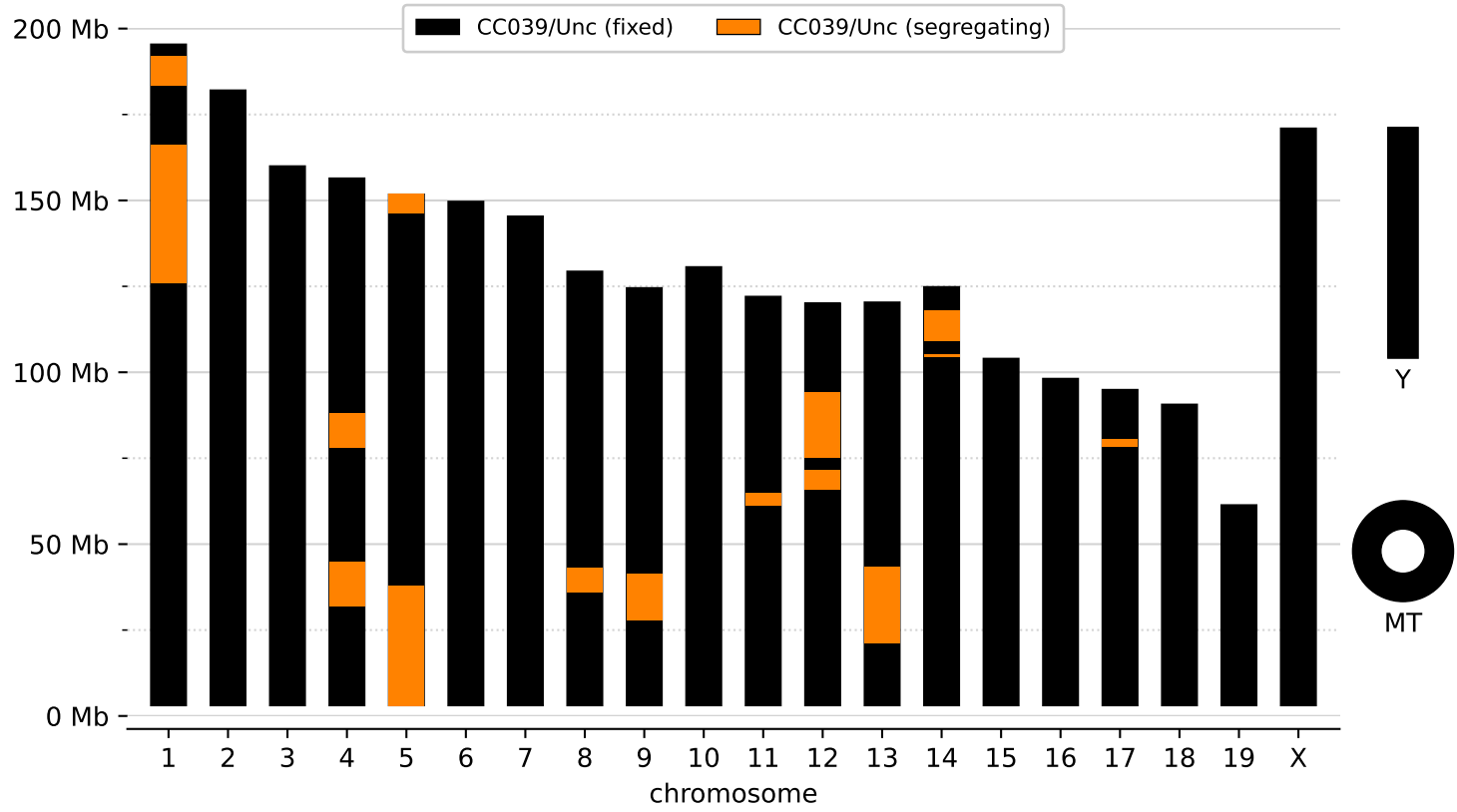
RRID:MMRRC_066464-UNC

Name: CC039/UncMmnc

Samples Genotyped
7 (XY)
14 (XX)

Genotyping Dates
May 2024 - May 2024

Summary: Incipient Recombinant Inbred strain from the Collaborative Cross population. This strain is derived from 8 inbred founders: A/J, C57BL/6J, 129S1/SvImJ, NOD/ShiLtJ, NZO/HlLtJ, CAST/EiJ, PWK/PhJ, and WSB/EiJ. The genome of this strain is not fully replicable because 7.6% is segregating for the founder strains. Note that MiniMUGA may fail to detect additional small regions of residual heterozygosity. CC strains are maintained as live colonies at UNC and GQC is updated approximately every 18 months. This GQC report is based on the MiniMUGA G3 2024 pipeline (PMCID: PMC11457065) using 21 samples genotyped in 2024.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
CC039/Unc (fixed)	Homozygous	92.4%	N/A
CC039/Unc (segregating)	Heterozygous	7.6%	824,500
Total		**100.0%**	**824,500**

Constructs Detected
None