MMRRC Strain GQC

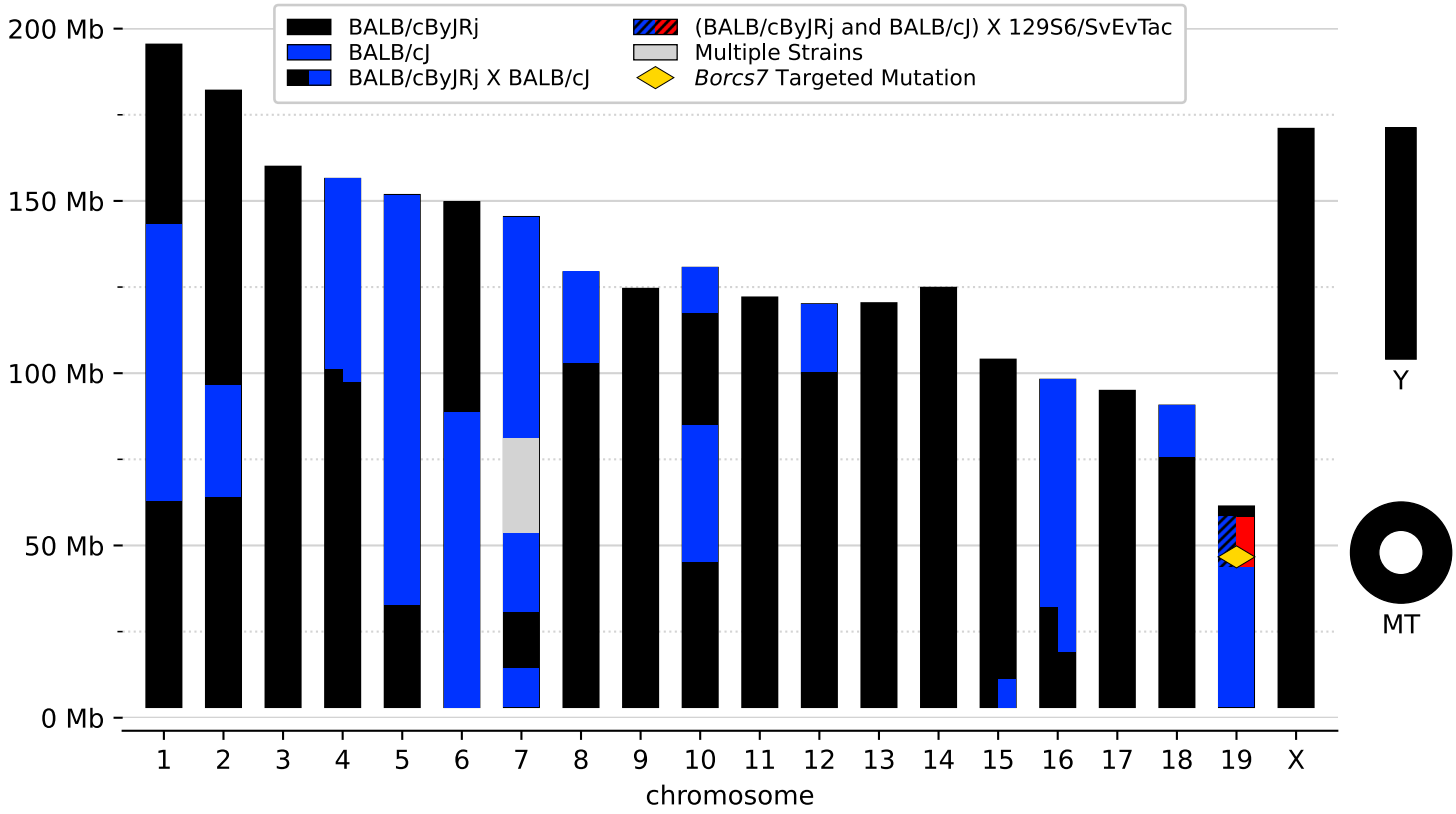
RRID:MMRRC_075800-UNC

Name: CByJ.129S6(Cg)-^{Q87X}/BhkMmnc

Samples Genotyped
RZ7256 (XX)
BR7114 (XY)

Genotyping Dates
2026-07-21
2026-07-21

Summary: Incipient congenic strain carrying the *Q87X* allele of the *Borcs7* gene on mixed BALB/c background. The donor is the Phnx43 ES cell line.The allele of interest present on chromosome 19 is on the 129S6 background. Multiple unexplained backgrounds are present on chromosome 7. BALB/cByJRj, BALB/cJ and C57BL/6J were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.6% of the genome is segregating for the donor background and at least 1.0% of the genome is segregating for substrains of the primary background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2026.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
BALB/cByJRj and BALB/cJ	N/A	98.4%	N/A
BALB/cByJRj	Homozygous	70.5%	N/A
BALB/cJ	Homozygous	26.9%	N/A
BALB/cByJRj X BALB/cJ	Heterozygous	1.0%	200
(mixed BALB/c) X 129S6/SvEvTac	Heterozygous	0.6%	100
Multiple Strains	Homozygous	1.1%	N/A
Total		**100.0%**	**300**

Substrain Detected	RZ7256	BR7114
BALB/cByJRj	present	present
BALB/cJ	present	present
C57BL/6J	present	present

Constructs Detected
None