MMRRC Strain GQC

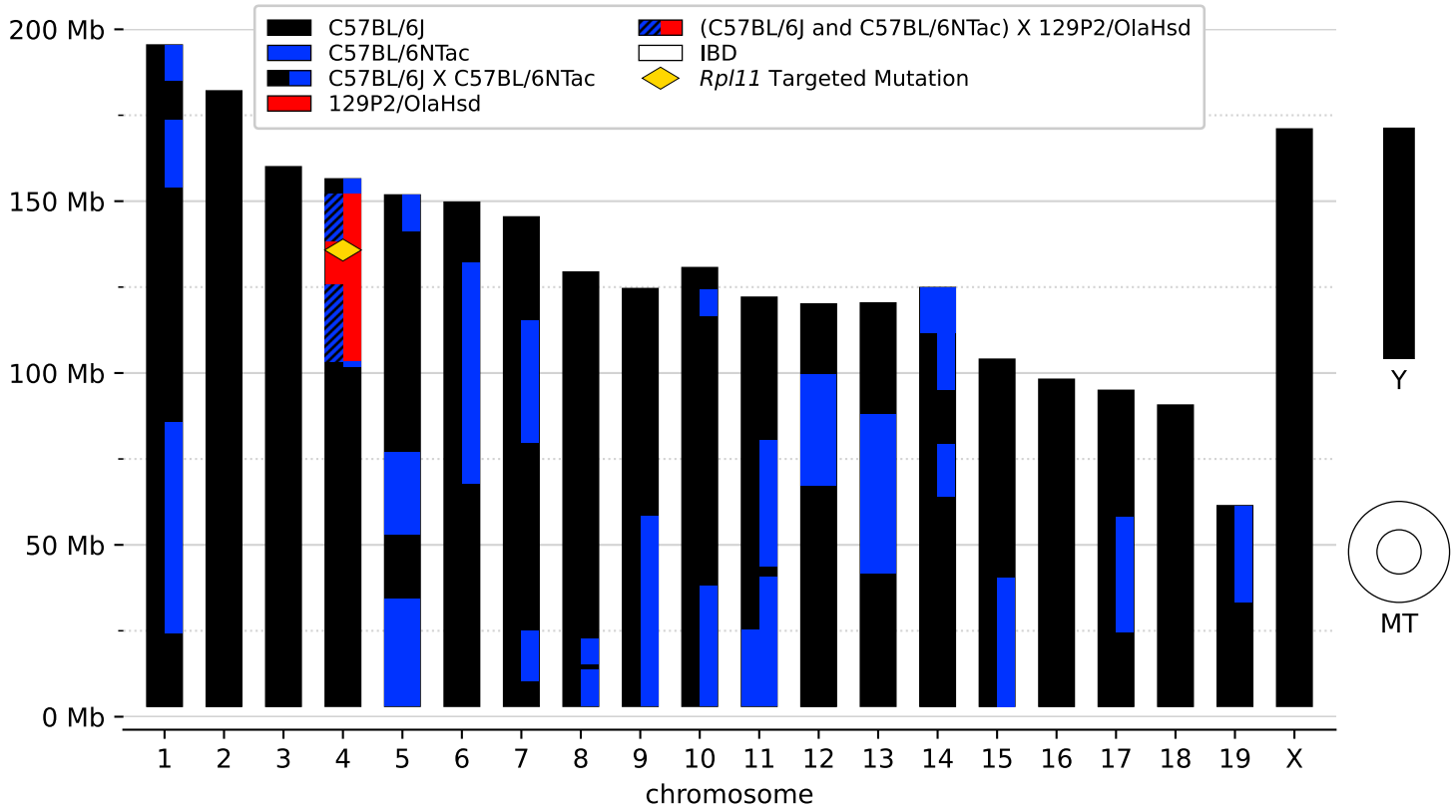
RRID:MMRRC_071300-UNC

Name: B6.129P2-*Rpl11*$^{tm1.1Ypz}$/Mmnc

Samples Genotyped
RK0437 (XY)
TG0849 (XY)

Genotyping Dates
2024-10-16
2024-10-16

Summary: Congenic strain carrying the *tm1.1Ypz* allele of the *Rpl11* gene on mixed C57BL/6 background. The allele of interest present on chromosome 4 is on the donor background (129P2/OlaHsd). B6N-Tyr/BrdCrCrl, C57BL/6J, and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 1.4% of the genome is segregating for the donor background and at least 20.2% 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/6NTac	N/A	98.1%	N/A
C57BL/6J	Homozygous	71.3%	N/A
C57BL/6NTac	Homozygous	6.6%	N/A
C57BL/6J X C57BL/6NTac	Heterozygous	20.2%	2,100
129P2/OlaHsd	Homozygous	0.5%	N/A
(mixed C57BL/6) X 129P2/OlaHsd	Heterozygous	1.4%	62,300
Total		**100.0%**	**64,400**

Substrain Detected	RK0437	TG0849
C57BL/6J	present	present
C57BL/6NTac	present	present
B6N-Tyr<c-Brd>/BrdCrCrl	absent	present

Constructs Detected
None