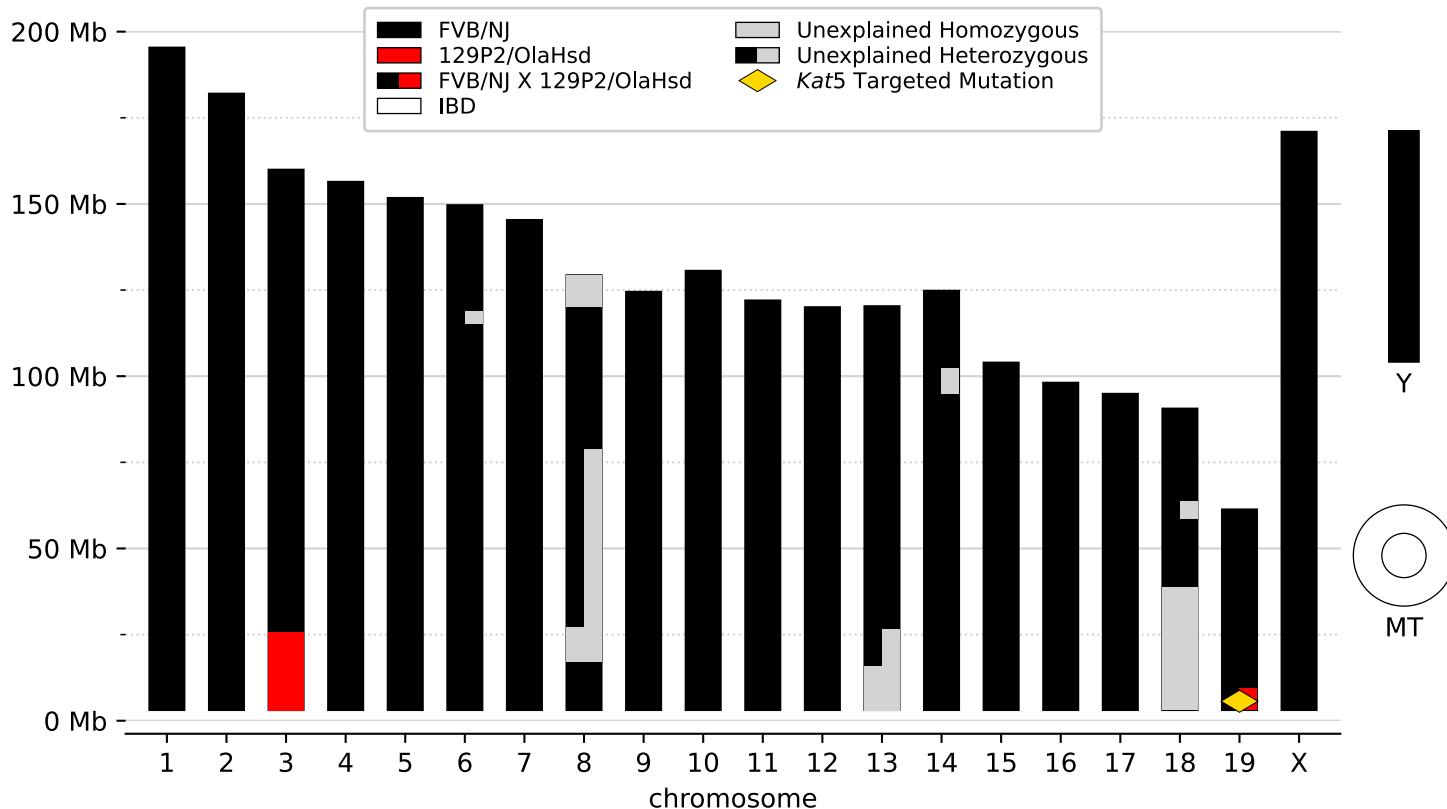


Summary: Incipient congenic strain carrying the *tm1Tfaz* allele of the *Kat5* gene on FVB/NJ background. The allele of interest present on chromosome 19 is on the donor background (129P2/OlaHsd). The donor background is also present on chromosome 3. At least one additional unexplained genetic background was detected. 129P2/OlaHsd, C57BL/6J, C57BL/6NJ, FVB/NJ, and FVB/NTac were detected with diagnostic alleles. The genome of this strain is not fully replicable because up to 0.2% of the genome is segregating for the donor background and at least 3.0% of the genome is segregating for the unexplained background. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2019.



Genetic Background	Zygosity	Genome %	Estimated # Segregating SNPs
FVB/NJ	Homozygous	93.2%	N/A
129P2/OlaHsd	Homozygous	0.9%	N/A
FVB/NJ X 129P2/OlaHsd	Heterozygous	0.2%	3,800
Unexplained	Homozygous	2.7%	N/A
Unexplained	Heterozygous	3.0%	N/A
Total		100.0%	3,800

Substrain Detected	# present in KB4670	# present in JK5910	Total SNPs Annotated
FVB/NJ	41	46	79
FVB/NTac	4	3	38
C57BL/6J	5	6	125
129P2/OlaHsd	1	1	27
C57BL/6NJ	1	1	10

Constructs Detected
None