

Summary: Cross strain carrying the *tm1.1Ava* allele of the *Hcrtr1* gene on mixed C57BL/6 background. Neither parental background contributes at least 80% of the genome in homozygosity. The allele of interest present on chromosome 4 is on the donor background (C57BL/6NCrl). C57BL/6J, C57BL/6NCrl, and C57BL/6NTac were detected with diagnostic alleles. The genome of this strain is not replicable. This strain carries a potentially active allele of green (or similar) fluorescent protein with unknown zygosity. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2024.

Genetic Background	Zygosity	Genome %
C57BL/6J, C57BL/6NCrl, C57BL/6NTac, mixed C57BL/6	Segregating	>35.5%

Substrain Detected	HF4060	RF0132	Constructs Detected
C57BL/6J	present	present	g_FP
C57BL/6NTac	present	present	
C57BL/6NCrl	present	present	