

MMRRC Strain GQC

RRID:MMRRC_042301-UCD

Name: B6J;B6N(Cg)-Sema3g^{tm1(KOMP)Vlcg}/MukoMmucd

Samples Genotyped YL4500 (XY) AG3795 (XY)

> Genotyping Dates 2019-02-07 2019-02-07

Summary: Cross strain carrying the tm1(KOMP)Vlcg allele of the Sema3g gene on mixed background. Neither parental background contributes at least 80% of the genome in homozygosity. The allele of interest present on chromosome 14 is on the donor background (C57BL/6NRj). At least one additional unexplained genetic background was detected. C57BL/6J and C57BL/6NRj were detected with diagnostic alleles. The genome of this strain is not replicable. This GQC report is based on the MiniMUGA G3 2024 pipeline using 2 samples genotyped in 2019.

Genetic Background			Zygosity	Genome %
C57BL/6J, C57BL/6NRj, Unexplained	d		Segregating	>32.1%
Substrain Detected	# present in	# present in	Total SNPs	Constructs Detected

Substrain Detected	# present in YL4500	# present in AG3795	Total SNPs Annotated
C57BL/6J	136	140	168
C57BL/6NRj	12	13	38