

Summary: Stock strain carrying the tm1(Neurog1)Bfri allele of the *Atoh1* gene on mixed background. The genetic background cannot be resolved for most of the genome with MiniMUGA. The knock-in present on chromosome 6 is on the donor background (129X1 or 129S1). 129P2/OlaHsd, 129S1/SvImJ, 129S4/SvJaeJ, 129S5/SvEvBrd, 129X1/SvJ, BALB/cAnNHsd, C57BL/6J, C57BL/6NCrI, C57BL/6NRj, FVB/NCrI, and FVB/NJ 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.

Substrain Detected	# present in UL6422	# present in PN1821	Total SNPs Annotated
C57BL/6J	128	120	168
129S1/SvImJ	6	5	96
FVB/NJ	3	4	79
C57BL/6NRj	5	4	35
129S5/SvEvBrd	1	1	11
FVB/NCrI	2	0	45
129S4/SvJaeJ	2	1	52
129X1/SvJ	1	0	38
C57BL/6NCrI or C57BL/6NRj	0	3	12
129P2/OlaHsd	0	1	27
BALB/cAnNHsd	0	1	109
C57BL/6NCrI	0	1	19

Constructs Detected
bpA, IRES, r_FP, tTA