

Summary: Cross strain carrying a knockout of the *Sp4* gene on mixed background. Neither parental background contributes at least 80% of the genome in homozygosity. The knockout present on chromosome 12 is on the donor background (129S1/SvImJ). At least one additional unexplained genetic background was detected. 129S1/SvImJ and 129S2/SvPasOrlRj 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 %
129S1/SvImJ, 129S2/SvPasOrlRj, Unexplained		Segregating	>46.4%

Substrain Detected	# present in DV3710	# present in RB5465	Total SNPs Annotated
129S1/SvImJ	57	61	103
129S2/SvPasOrlRj	16	18	23

Constructs Detected
bpA