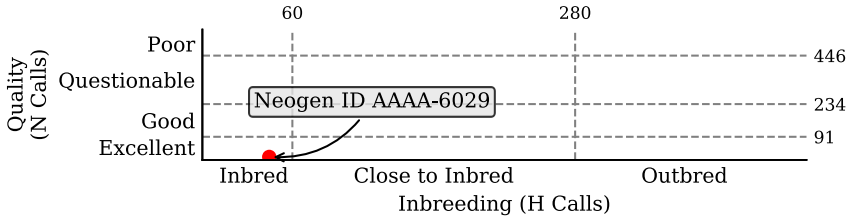
MiniMUGA Background Analysis v0008

Sample ID	Magnuson/B6.CG. ZFP92.1
Neogen ID	AAAA-6029
Summary	The genotype of this sample is of excellent quality. It is male and inbred, and likely a mix of multiple C57BL/6 substrains. Diagnostic SNPs indicate the presence of the background strain groups C57BL/6 and the substrains C57BL/6J. No genetic constructs were detected in this sample.
Genotyping Quality	Excellent (3 N calls) All reported results are dependent on genotyping quality.
Chromosomal Sex	XY
Inbreeding Estimate	Inbred (42 H calls at autosomal, X, and PAR chromosome markers)
Inbreeding and Genotyping Quality (Plot)	

Constructs Detected

BlastR	bpA	Cas9	chlor	Cre	DTA	g_FP	hCMV_a	hCMV_b	hTK_pr	iCre	IRES	Luc	r_FP	rtTA	SV40	tTA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

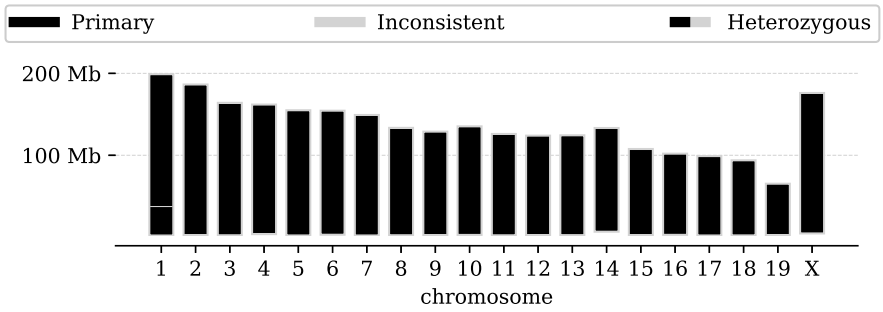
Primary Background (Autosomes, X Chromosome)

Strain	Total	Consistent	Inconsistent	Heterozygous	Excluded
multiple C57BL/6 substrains	9721	9300 (100.0%)	1 (0.0%)	0 (0.0%)	420

Secondary Background (Autosomes, X Chromosome)

Not Applicable

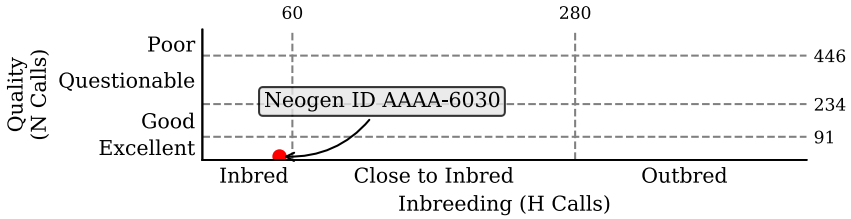
Background Ideogram



Backgrounds Detected (Diagnostic Alleles)

Substrain	Diagnostic Alleles Observed: Homozygous	Heterozygous	Potential	% Observed
C57BL/6J	106	33	156	89.1%
Strain Group	**Homozygous**	**Heterozygous**	**Potential**	**% Observed**
C57BL/6 (B6N-Tyr/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JOlaHsd)	3	1	21	19.0%

MiniMUGA Background Analysis v0008

Sample ID	Magnuson/B6.CG. ZFP92.2
Neogen ID	AAAA-6030
Summary	The genotype of this sample is of excellent quality. It is male and inbred, and likely a mix of multiple C57BL/6 substrains. Diagnostic SNPs indicate the presence of the background strain groups C57BL/6 and the substrains C57BL/6J. No genetic constructs were detected in this sample.
Genotyping Quality	Excellent (5 N calls) All reported results are dependent on genotyping quality.
Chromosomal Sex	XY
Inbreeding Estimate	Inbred (50 H calls at autosomal, X, and PAR chromosome markers)
Inbreeding and Genotyping Quality (Plot)	

Constructs Detected

BlastR	bpA	Cas9	chlor	Cre	DTA	g_FP	hCMV_a	hCMV_b	hTK_pr	iCre	IRES	Luc	r_FP	rtTA	SV40	tTA
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

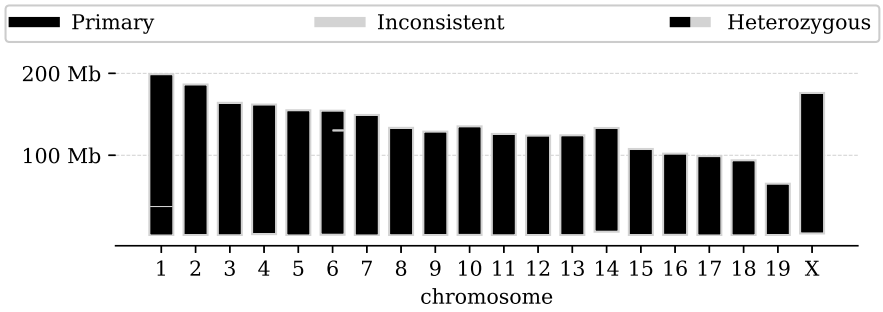
Primary Background (Autosomes, X Chromosome)

Strain	Total	Consistent	Inconsistent	Heterozygous	Excluded
multiple C57BL/6 substrains	9721	9296 (100.0%)	1 (0.0%)	2 (0.0%)	422

Secondary Background (Autosomes, X Chromosome)

Not Applicable

Background Ideogram



Backgrounds Detected (Diagnostic Alleles)

Substrain	Diagnostic Alleles Observed: Homozygous	Heterozygous	Potential	% Observed
C57BL/6J	99	39	156	88.5%
Strain Group	**Homozygous**	**Heterozygous**	**Potential**	**% Observed**
C57BL/6 (B6N-Tyr/BrdCrCrl, C57BL/6J, C57BL/6JBomTac, C57BL/6JEiJ, C57BL/6JOlaHsd)	3	1	21	19.0%