

Stock No. 007228

2018 Cryorecovery

Representative GigaMUGA results from Stock No. 007228 mice recovered from frozen bankstocks in 2018.

The GigaMUGA (Mouse Universal Genotyping Array) platform is comprised of over 140,000 SNP probes that allow for very fine mapping of genetic background contributions across the mouse genome. When input into HaploQA, an algorithm developed for viewing these data at the genome and individual variant levels, one can visualize the genetic backgrounds present in the strain of interest. Of course, this is provided that the contributing backgrounds themselves have also been analyzed.

In this haplotype image of a Stock No. 007228 female from our cryorecovered colony, one can clearly see large contributions from both C57BL/6J (gray) and NZM/2410J (blue). The approximate locations of the three *Sle* loci on chromosomes 1, 4, and 7, are highlighted in green - they are all homozygous NZM/2410J, as expected.

