

THE FOLLOWING CONTAINS LITERATURE ON GENOTYPING FOR MODEL ORGANISMS

TITLE: “A review on genotyping for model organisms”

- a) **Title:** High-throughput genotyping of high-homology mutant mouse strains by next-generation sequencing
DOI: <https://doi.org/10.1016/j.ymeth.2020.10.011>
Year Published: 2021
Why this paper?
 - Model organism of interest: mice/CRISPR mutant mice
- b) **Title:** A new mouse SNP genotyping assay for speed congenics: combining flexibility, affordability, and power
DOI: <https://doi.org/10.1186/s12864-021-07698-9>
Year Published: 2021
Why this paper?
 - Introducing “Allegro Targeted Genotyping method”, an NGS (Illumina platforms) based method design for efficient, high-throughput SNP genotyping and analysis
 - It combines enzymatic fragmentation, dimer-free adaptor ligation, and Single Primer Enrichment Technology (SPET)
- c) **Title:** A cost-effective, high-throughput, highly accurate genotyping method for outbred populations
DOI: <https://doi.org/10.1093/q3journal/jkae291>
Year Published: 2024
Why this paper?
 - Introducing double digest genotyping by sequencing (ddGBS), and low coverage whole genome sequencing (lcWGS) versus high coverage whole genome sequencing (hcWGS), aiming for a cost-effective, high-throughput, and high-accuracy genotyping technique