**Molecular Services**

Complete Nuclease (CRISPR) mediated KOs of custom somatic cell lines

CRISPR construct design and activity assay

Nuclease (CRISPR/TALEN) mediated mouse KOs/KIs

Nuclease (CRISPR) mediated Conditional KO

Consultation and advice on vector design

Consultation on Genome editing in mice

Bacterial artificial chromosome recombineering

Development of transgenic and gene targeting constructs

PCR program and conditions troubleshooting

PCR and LR-PCR screening (genotyping)

Genotyping for the establishment of transgenic lines

Mycoplasma testing of cell lines