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Conditional AsxL1 Knock-out Mouse Model (Jax No. 025665)

These floxed mutant mice possess loxP sites flanking exons 5 through 10 of the Asx1 gene and may be useful for generating conditional mutations in applications related to embryonic development, myelodysplastic syndromes and hematopoiesis.

These mice possess loxP sites flanking exons 5 through 10 of the targeted Asx1 gene. Mice that are homozygous for this allele are viable and fertile. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 5 through 10 deleted in the cre-expressing tissues. During backcrossing, the Y chromosome may not have been fixed to the C57BL/6J genetic background. When bred to the Ella-cre strain with germline Cre recombinase expression in the germline, this mutant mouse strain may be useful in studies of skeletal and craniofacial abnormalities such as microphthalmia and anophthalmia. When bred to a strain with Cre recombinase expression in the hematopoietic system, this mutant mouse strain may be useful in studies of myelodysplastic syndromes.

References

1. Abdel-Wahab et al. , <https://pubmed.ncbi.nlm.nih.gov/24218140/>

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Authors

Ioannis Aifantis, PhD

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