

# Ndufs4-Flox

系統名	C57BL/6Smoc- <i>Ndufs4</i> <sup>em1(flox)Smoc</sup>
SMOC番号	TBD
維持形態	Developing

## 遺伝子の概要

Gene Symbol <b>Ndufs4</b>	<b>Synonyms</b>	C1-18k, 6720411N02Rik
	<b>NCBI ID</b>	<a href="#">17993</a>
	<b>MGI ID</b>	<a href="#">1343135</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000021764</a>
	<b>Human Ortholog</b>	NDUFS4

## 説明

These mice carry loxP sites flanking target exons of *Ndufs4* gene. When crossed with a Cre recombinase-expressing strain, this strain is useful in eliminating tissue-specific conditional expression of *Ndufs4* gene.

\*Literature published using this strain should indicate: *Ndufs4*-Flox mice (Cat. NO. TBD) were purchased from Shanghai Model Organisms Center, Inc..

## 病気の予測

Leigh Disease	<b>表現型</b>	<a href="#">MGI:4818648</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nes-cre mice.
	<b>参考文献</b>	Quintana A, Kruse SE, Kapur RP, Sanz E, Palmiter RD, Complex I deficiency due to loss of <i>Ndufs4</i> in the brain results in progressive encephalopathy resembling Leigh syndrome. Proc Natl Acad Sci U S A. 2010 Jun 15;107(24):10996-1001

<b>Leigh disease</b>	<b>表現型</b>	<a href="#">MGI:5451025</a> Note: The expected phenotype(s) may be observed in the above-mentioned mice that bred with Nes-cre mice.
	<b>参考文献</b>	Quintana A, Zanella S, Koch H, Kruse SE, Lee D, Ramirez JM, Palmiter RD, Fatal breathing dysfunction in a mouse model of Leigh syndrome. J Clin Invest. 2012 Jul 2;122(7):2359-68

### 表現型データ

No data