

Ins2-C96Y

Nomenclature	C57BL/6Smoc- <i>Ins2</i> ^{em3(C96Y)Smoc}
Cat. NO.	NM-KI-190096
Strain State	Repository Live

Gene Summary

Gene Symbol Ins2	Synonyms	Mody; Ins-2; InsII; Mody4; AA986540
	NCBI ID	16334
	MGI ID	96573
	Ensembl ID	ENSMUSG00000000215
	Human Ortholog	INS2

Model Description

These mice carry a p.C96Y mutation of Ins2 gene.

Research Application: Diabetes related.

*Literature published using this strain should indicate: Ins2-C96Y mice (Cat. NO. NM-KI-190096) were purchased from Shanghai Model Organisms Center, Inc..

Disease Connection

Diabetes	Phenotype(s)	MGI:3583904
	Reference(s)	Yoshioka M, et al., A novel locus, Mody4, distal to D7Mit189 on chromosome 7 determines early-onset NIDDM in nonobese C57BL/6 (Akita) mutant mice. Diabetes. 1997 May;46(5):887-94

Validation Data

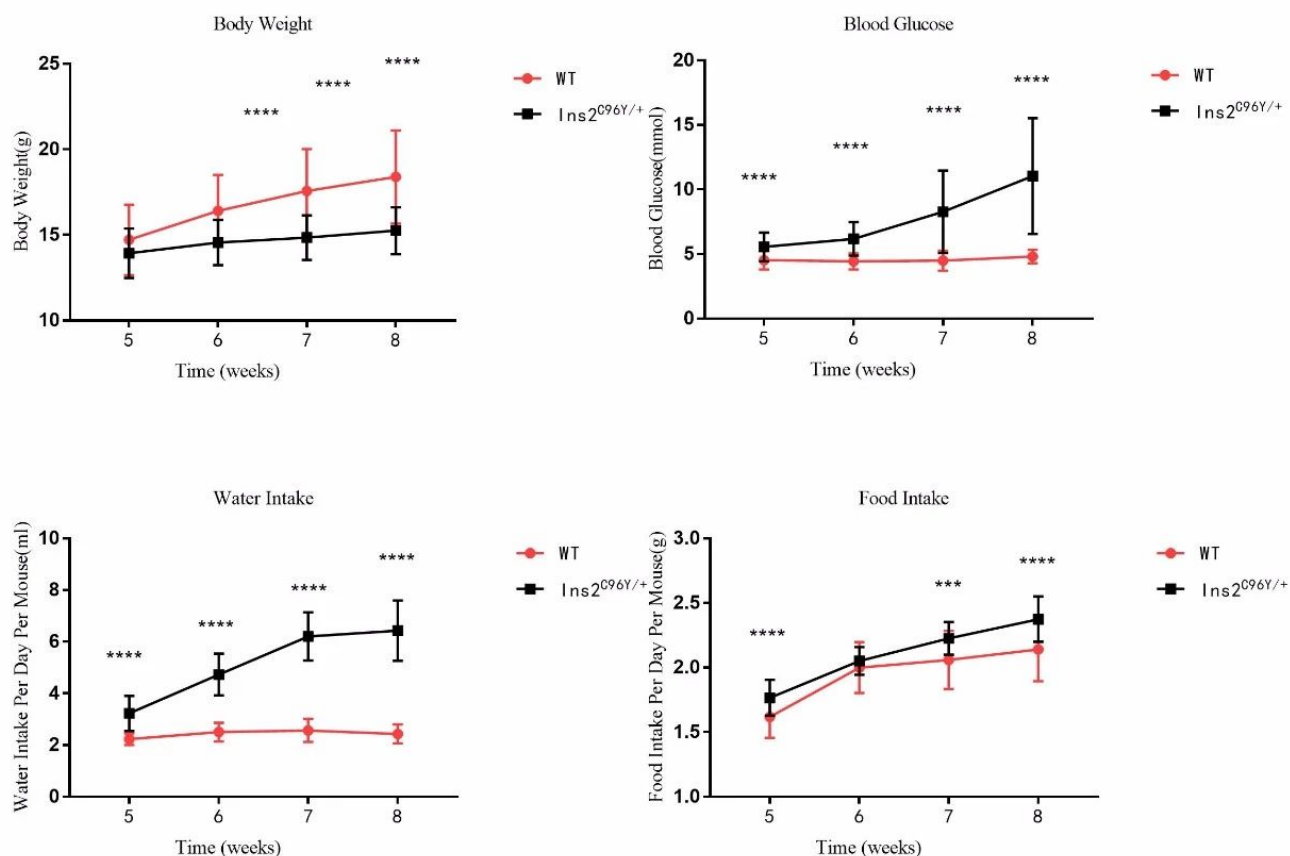


Fig.1 The Basic Symptoms of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

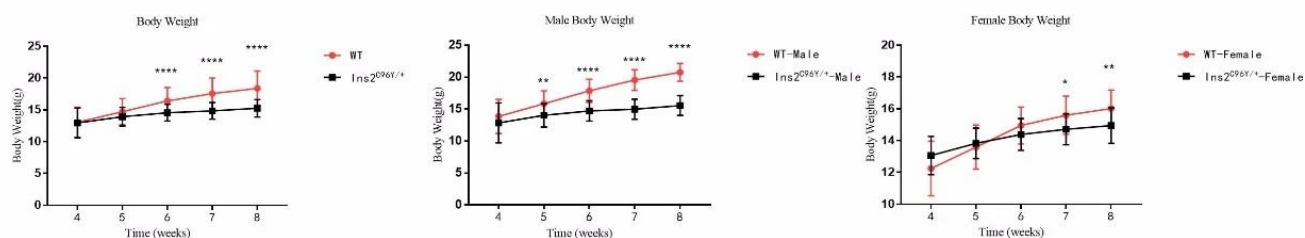


Fig.2 Body Weight of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

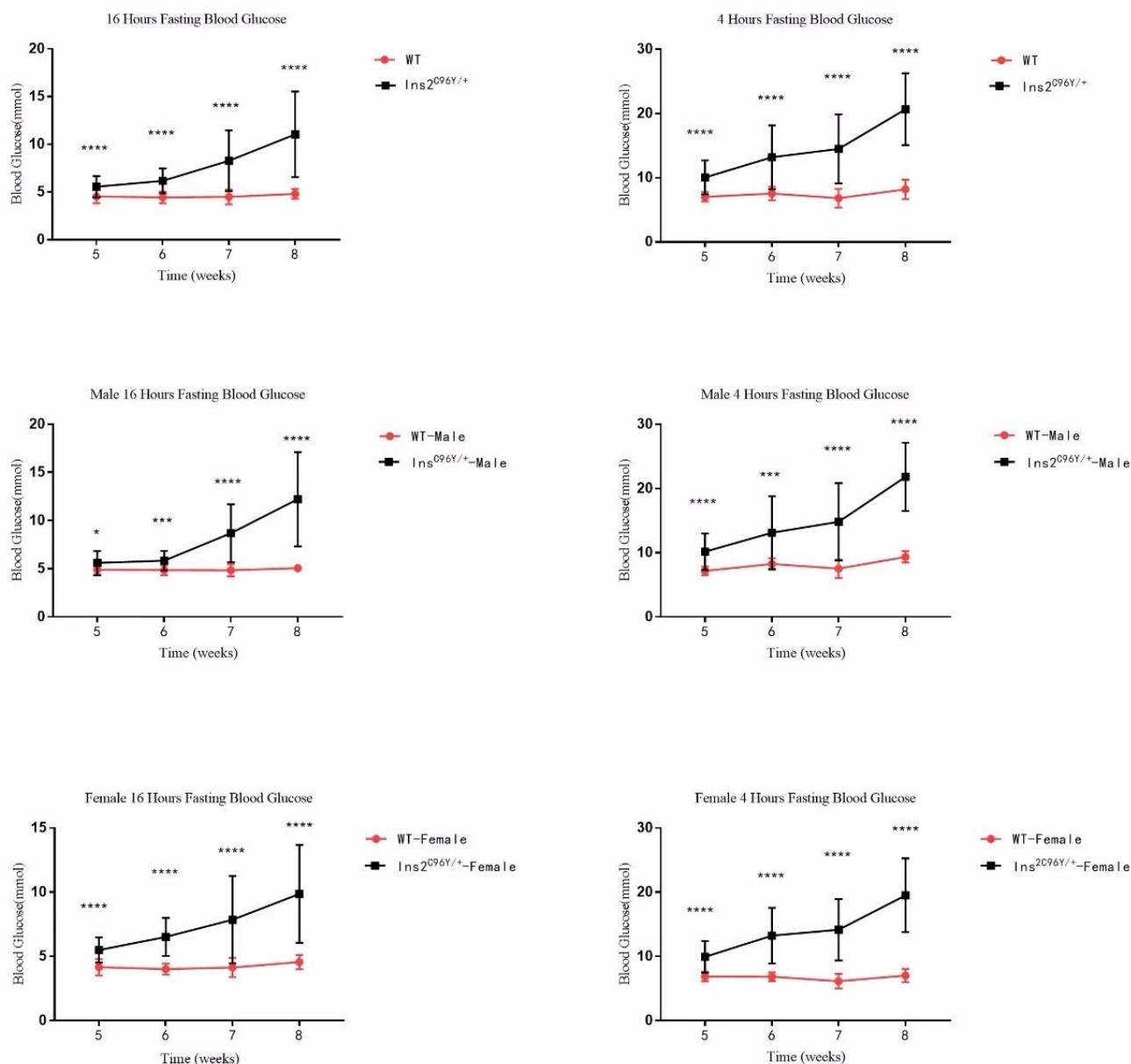


Fig.3 Blood Glucose Level of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

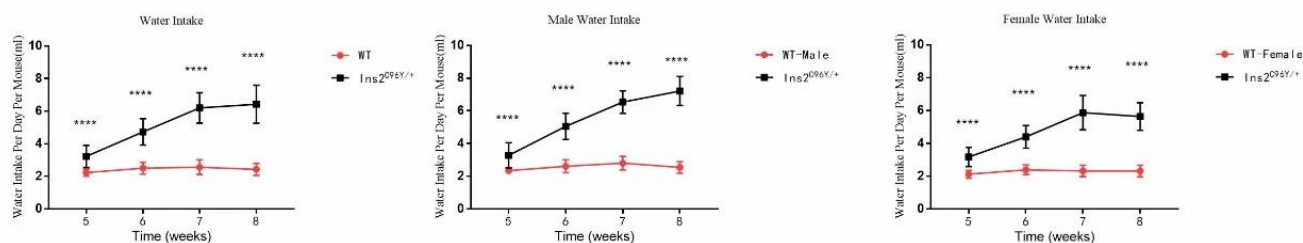


Fig.4 Water Intake of *Ins2*-(C96Y) Mouse Compared with Its WT Litter Mate

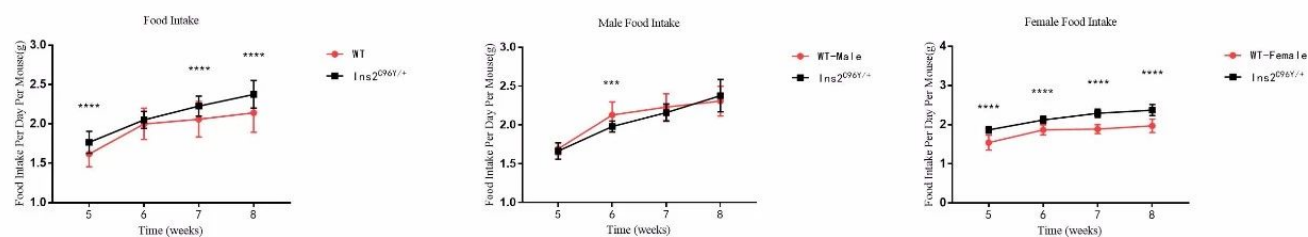


Fig.5 Food Intake of Ins2-(C96Y) Mouse Compared with Its WT Litter Mate