図のタイトル一覧

筲	二首	文献研究
リオ		一人間ハルルス

- Fig. 1 The relationship of body fat accumulation to plasma insulin, plasma leptin and leptin mRNA, LPL mRNA, HSL mRNA, β 3-AR mRNA and UCP1 mRNA in adipose tissue.
- 第四章 親の高脂肪食摂取が受精前の配偶子や受精後の初期胚に及ぼす影響を介して仔の成長期における体脂肪蓄積に及ぼす影響(実験1)
 - Fig. 2 The design of experiment 1.

35

- Fig. 3 Effects of parents' diet on plasma leptin concentration in rats borne from and suckled by F344 foster mothers (experiment 1).
- Fig. 4 Effects of parents' diet on plasma insulin concentration in rats borne from and suckled by F344 foster mothers (experiment 1).
- Fig. 5 Effects of parents' diet on leptin mRNA levels in perirenal adipose tissue of rats borne from and suckled by F344 foster mothers (experiment 1).
- Fig. 6 Effects of parents' diet on LPL mRNA levels in perirenal adipose tissue of rats borne from and suckled by F344 foster mothers (experiment 1).
- Fig. 7 Effects of parents' diet on HSL mRNA levels in perirenal adipose tissue of rats borne from and suckled by F344 foster mothers (experiment 1).

Fig. 8	Effects of parents' diet on β 3 - AR mRNA levels in brown adipose tissue o	f rats
	borne from and suckled by F344 foster mothers (experiment 1).	51

- Fig. 9 Effects of parents' diet on UCP1 mRNA levels in brown adipose tissue of rats borne from and suckled by F344 foster mothers (experiment 1).
- 第五章 出産までの親の高脂肪食摂取が仔の成長期における体脂肪蓄積に及ぼす影響 (実験2)
 - Fig. 10 The design of experiment 2. 59
 - Fig. 11 Effects of parents' diet on leptin mRNA levels in perirenal adipose tissue of rats suckled by F344 foster mothers (experiment 2).
 - Fig. 12 Effects of parents' diet on LPL mRNA levels in perirenal adipose tissue of rats suckled by F344 foster mothers (experiment 2).
 - Fig. 13 Effects of parents' diet on HSL mRNA levels in perirenal adipose tissue of rats suckled by F344 foster mothers (experiment 2).
 - Fig. 14 Effects of parents' diet on β 3 AR mRNA levels in brown adipose tissue of rats suckled by F344 foster mothers (experiment 2).
 - Fig. 15 Effects of parents' diet on UCP1 mRNA levels in brown adipose tissue of rats suckled by F344 foster mothers (experiment 2).

第六章 離乳までの親の高脂肪食摂取が仔の成長期における体脂肪蓄積に及ぼす影響 (実験3)

Fig.16 The design of experiment 3.

74

Fig. 17 Effects of parents' diet on leptin mRNA levels of perirenal adipose tissue (experiment 3).

Fig. 18 Effects of parents' diet on LPL mRNA levels of perirenal adipose tissue (experiment 3).

Fig. 19 Effects of parents' diet on HSL mRNA levels of perirenal adipose tissue (experiment 3).

Fig. 20 Effects of parents' diet on β 3 - AR mRNA levels of brown adipose tissue (experiment 3).

Fig.21 Effects of parents' diet on UCP1 mRNA levels of brown adipose tissue (experiment 3).

第九章 結論

Fig.22 The effects of high-fat diet feeding over generation on body fat accumulation 94

表のタイトル一覧

第四章	親の高脂肪食摂取が受精前の配偶子や受精後の初期胚に及ぼす	影響を介し
	て仔の成長期における体脂肪蓄積に及ぼす影響 (実験1)	
Table 1	. Composition of the experimental diets.	36
Table 2	2. The results of breeding.	37
Table 3	3. The culture medium of fertilized eggs.	38
Table 4	I. PCR primers of leptin and β -actin.	39
Table 5	5. PCR primers of lipoprotein lipase and hormone-sensitive lipase.	40
Table.6	6 PCR Primers of uncoupling protein 1 and eta 3-adrenergic receptor.	41
Table 7	7. Effects of parents' diet on body weight gain, abdominal adipose tissue	e weight, and
	food efficiency in rats borne from and suckled by F344 foster mothers	
	1).	45
第五章	出産までの親の高脂肪食摂取が仔の成長期における体脂肪蓄積	に及ぼす影

9

Table 8. Effects of parents' diet on body weight gain, abdominal adipose tissue weight, and

63

food efficiency in rats suckled by F344 foster mothers (experiment 2).

響 (実験2)

Table	9.	Plasma	leptin	and	plasma	insulin	concentrations	in	rats	suckled	by	F344	foster
	n	others (experir	nent	2).								64

- 第六章 離乳までの親の高脂肪食摂取が仔の成長期における体脂肪蓄積に及ぼす影響 (実験3)
 - Table 10. Body weight gain, abdominal adipose tissue weight, and food efficiency (experiment 3).
 - Table 11. Plasma leptin and plasma insulin concentrations (experiment 3). 80