

Table S2: **Genes in RetroFat chromosome 1 QTL interval (continued).**

Gene Symbol	Gene Name	Start location	Gene Function (UniProt)	Non-synonymous variants in founders with the haplotype effect†
LOC103691393	uncharacterized	281395030	Unknown	
LOC108349713	uncharacterized	281397476	Unknown	
Prlhr	prolactin releasing hormone receptor	281754472	Receptor for prolactin-releasing peptide (PrRP). Implicated in lactation, regulation of food intake and pain-signal processing.	281755911 C to T translation start site in BUF and WKY
Cacul1	CDK2-associated, cullin domain 1	281814226	Cell cycle associated protein capable of promoting cell proliferation through the activation of CDK2 at the G1/S phase transition.	

The gene in bold (Prlhr) is the most likely candidate in the region.

†RetroFat chromosome 1 haplotype effects: BUF, MR, WKY haplotypes lead to increased fat pad weight (Figure 6D).