

Table S1 - Comparative analysis studies of human and pig on obesity-related traits

Gene	Method	Trait ^a	Breeds	Reference
FTO	SNP association	VIF, BFT, LC	Italian Duroc and commercial pigs	Fontanesi [7]
FTO	SNP association	VIF	Italian Duroc	Fontanesi [6]
FTO	SNP association	IFC and growth rate	Berkshire × Yorkshire	Fan [8]
FTO	Expression studies (qPCR)	–	Gottingen minipig,	Madsen [33]
TCF7L2	SNP association	BFT, TOTLIPPR	Berkshire × Yorkshire	Du [9]
INSIG2, LIPIN1, NR3C1, etc.	Chromosomal localization (FISH) and QTL	BFT and lipid content	Porcine BAC library	Nowacka-Woszek [10]
NEGR1, FAM73A, TTLL, etc.	SNP association	Subcutaneous fat thickness	Korean native × Landrace	Lee [3]

^a BFT, back fat thickness; VIF, visible intermuscular fat; LC, lean cuts; IFC, intramuscular fat content; TOTLIPPR, total lipid percentage