

Discovery, 406,177 SNPs

Adults with morbid obesity
or lifelong leanness (1)*

700 most strongly obesity associated SNPs**

Extension study

Adults with morbid obesity
or lifelong leanness (2)

21 SNPs nominally associated with obesity

Extension study

Obese and lean adults (3)
Obese and population-based
control children (4)

2 SNPs nominally associated with obesity
KCNMA1 (rs2116830), *BDNF* (rs988712)

Extension study

Morbid obese and population-
based control adults (5)
Obese and lean children (6)

KCNMA1 (rs2116830),
BDNF (rs988712)

Meta-analysis

All case-
control
cohorts

Association to
body mass
index

Three population
based samples (5,7,8)

Expression
studies
(*KCNMA1*)

KCNMA1 (rs2116830)