

Supplementary Material

Table S1. Genotype association study: Akaike Information Criterion (AIC) value for each model. Variants with significant association with weight response variables.

Association		AIC value for each model			
Gene	SNP-Phenotype	Co-dominant	Dominant	Recessive	Log-additive
GIPR	10423928 - %TWL_nadir	1814.2	1812.7	1821.5	1814.6
	10423928 - %TWL_6y	1929.7	1928.1	1934.5	1929.5
DPPIV	1861975 - %TWL_nadir	2611.9	2614.4	2610.2	2613.6
	1861975 - %TWL_6y	2764.7	2767.6	2762.8	2765.9
NPY1R	9764 - %TWL_nadir	1804.5	1806.5	1802.5	1805.5
NPY5R	11100493 - %TWL_6y	2768.5	2771.9	2767.5	2772.3
CLOCK	1801260 - %TWL_6y	2808.7	2809	2808.2	2807.4
	1801260 - %WR_MWL	3239.6	3238.4	3240	3237.6
GLP1R	10305439 - %TWL_6y	2771.6	2771.2	2776.7	2775.7
	10305439 - %WR_MWL	3170.1	3170	3175.7	3174.3
	2143734 - %TWL_6y	2797.2	2797.1	2796.7	2795.5
	877446 - %WR_MWL	3222.5	3220.7	3224.5	3223

AIC, Akaike Information Criterion. In bold highlighted the AIC with the lowest value for each association.