

## Supplementary Table 4. Predictive performances in each subgroup

SNP	Normal group	Overweight group	Obesity group
rs10965250	0.70 (0.68-0.73)	0.71 (0.68-0.73)	0.72 (0.65–0.78)
rs2206734	0.71 (0.68-0.73)	0.71 (0.68-0.73)	0.72 (0.65–0.78)
rs11960799	0.71 (0.68-0.73)	0.71 (0.68-0.73)	0.72 (0.65–0.79)
rs2237895	0.71 (0.68-0.73)	0.71 (0.68-0.73)	0.73 (0.66–0.79)
rs75680863	0.70 (0.68-0.73)	0.71 (0.68-0.73)	0.73 (0.66-0.79)
rs2237892	0.71 (0.68-0.73)	0.71 (0.68-0.73)	0.73 (0.66-0.80)
rs2233580	0.71 (0.68-0.73)	0.71 (0.68-0.74)	0.73 (0.67-0.79)

Values are presented as area under curve (AUC).

 $\ensuremath{\mathsf{SNP}},$  single nucleotide polymorphism.