

Table 1. Association of LEPR CNVs with metabolic traits in nondiabetic subjects.

Variables	Men (n=574)					Women (n=493)				
	Low CN (1X) (n=287)	High CN (2X) (n=287)	P value*	P value** (adjusted)	P value*** (corrected)	Low CN (1X) (n=246)	High CN (2X) (n=247)	P value*	P value** (adjusted)	P value*** (corrected)
Age (year)	49.1 ± 8.4	50.7 ± 8.6	0.026	-	-	52.9 ± 9.0	52.5 ± 8.6	0.505	-	-
Height (cm)	167.2 ± 5.7	167.6 ± 6.1	0.479	0.074	ns	153.9 ± 5.9	153.7 ± 5.6	0.887	0.716	ns
Weight (kg)	67.1 ± 9.4	66.6 ± 9.4	0.431	0.082	ns	57.3 ± 8.6	57.6 ± 7.7	0.814	0.690	ns
Pulse (counts)	61.0 ± 6.5	61.4 ± 7.2	0.418	0.439	ns	64.2 ± 7.1	63.8 ± 6.8	0.656	0.719	ns
Systolic blood pressure (mmHg)	114.0 ± 14.7	114.6 ± 13.9	0.575	0.776	ns	115.5 ± 17.6	115.8 ± 15.7	0.800	0.608	ns
Diastolic blood pressure (mmHg)	75.1 ± 11.2	74.5 ± 10.6	0.512	0.502	ns	72.7 ± 11.1	73.4 ± 10.0	0.401	0.286	ns
Distal radius Z	0.16 ± 1.23	0.48 ± 1.35	2.85E-03	0.013	ns	0.91 ± 1.48	1.08 ± 1.53	0.305	0.295	ns
Midshaft tibia Z	0.47 ± 1.06	0.68 ± 1.18	0.025	0.071	ns	-0.36 ± 1.30	-0.39 ± 1.31	0.768	0.834	ns
Waist circumference (cm)	82.2 ± 7.3	81.4 ± 7.1	0.194	0.353	ns	81.0 ± 9.3	81.7 ± 9.2	0.531	0.311	ns
Hip circumferences (cm)	93.9 ± 5.6	92.2 ± 6.2	3.67E-04	6.07E-04	1.76E-02	91.9 ± 6.3	91.7 ± 6.0	0.849	0.455	ns
Waist-to-hip ratio (WHR)	0.88 ± 0.06	0.88 ± 0.06	0.080	0.074	ns	0.88 ± 0.08	0.89 ± 0.08	0.380	0.182	ns
Body fat (%)	20.5 ± 4.9	19.4 ± 4.5	6.01E-03	1.03E-03	2.99E-02	29.6 ± 5.8	30.3 ± 4.8	0.201	0.072	ns
Visceral fat (%)	0.89 ± 0.04	0.88 ± 0.04	9.45E-03	1.02E-06	2.95E-05	0.89 ± 0.05	0.89 ± 0.05	0.898	0.814	ns
Obesity degree (%)	112.2 ± 12.7	110.2 ± 12.5	0.051	5.85E-04	1.70E-02	119.9 ± 17.2	120.8 ± 15.1	0.686	0.643	ns
Body mass index (BMI) (kg/m ²)	23.9 ± 2.7	23.6 ± 2.7	0.158	-	-	24.2 ± 3.3	24.4 ± 2.9	0.715	-	-
Total cholesterol (mg/dL)	199.1 ± 36.7	181.7 ± 32.8	3.23E-09	3.43E-08	9.96E-07	188.0 ± 34.3	180.9 ± 31.0	2.25E-02	2.50E-02	ns
HDL-cholesterol (mg/dL)	45.6 ± 8.5	44.4 ± 9.5	0.119	0.056	ns	47.7 ± 9.9	45.1 ± 9.5	7.40E-03	5.51E-03	ns
Triglyceride (mg/dL)	146.9 ± 86.1	151.4 ± 82.5	0.521	0.323	ns	122.0 ± 68.7	137.1 ± 73.2	0.016	9.11E-03	ns
C-reactive protein (mg/dL)	0.19 ± 0.31	0.20 ± 0.21	0.601	0.593	ns	0.15 ± 0.24	0.21 ± 0.52	0.232	0.220	ns
WBC (10 ³ /μL)	6.6 ± 1.7	6.4 ± 1.7	0.333	0.499	ns	5.8 ± 1.5	5.6 ± 1.4	0.099	0.083	ns
RBC (10 ⁶ /μL)	4.8 ± 0.4	4.7 ± 0.4	3.03E-03	0.029	ns	4.1 ± 0.3	4.1 ± 0.3	0.350	0.322	ns
Hemoglobin (g/dL)	14.7 ± 1.0	14.6 ± 1.1	0.191	0.552	ns	12.5 ± 1.3	12.4 ± 1.1	0.677	0.686	ns
Hematocrit	44.4 ± 3.2	44.1 ± 3.4	0.158	0.456	ns	37.9 ± 3.4	37.7 ± 3.5	0.348	0.357	ns
HbA1C (%)	5.5 ± 0.3	5.5 ± 0.3	0.853	0.584	ns	5.5 ± 0.3	5.4 ± 0.3	0.409	0.495	ns
Insulin_0hr (μIU/ml)	6.5 ± 4.7	6.2 ± 2.6	0.283	0.474	ns	7.6 ± 5.1	7.8 ± 3.5	0.644	0.066	ns
Insulin_1hr (μIU/ml)	32.0 ± 27.2	34.5 ± 33.2	0.324	0.195	ns	29.5 ± 26.9	37.2 ± 34.1	6.66E-03	5.38E-03	ns
Insulin_2hr (μIU/ml)	18.9 ± 18.2	18.9 ± 19.1	0.994	0.713	ns	22.1 ± 19.8	29.1 ± 24.0	8.55E-04	7.93E-04	2.30E-02
Glucose_0hr (mg/dL)	84.0 ± 7.5	80.3 ± 6.5	3.34E-10	4.26E-09	1.24E-07	80.7 ± 6.7	77.9 ± 5.2	3.37E-06	3.26E-06	9.45E-05
Glucose_1hr (mg/dL)	127.4 ± 34.9	128.3 ± 36.8	0.741	0.983	ns	121.7 ± 34.9	121.1 ± 31.4	0.675	0.754	ns
Glucose_2hr (mg/dL)	94.9 ± 21.4	91.1 ± 20.6	0.030	0.037	ns	103.0 ± 18.9	101.3 ± 18.9	0.200	0.200	ns
HOMA-IR	1.41 ± 1.09	1.39 ± 0.59	0.835	0.928	ns	1.70 ± 1.15	1.8 ± 0.8	0.261	0.263	ns

*: P value: ttest

**: P value: age-, BMI-adjusted linear regression test (CN values)

***: P value: calculated by Bonferroni correction for multiple testing. ns indicates none-significance (cutoff p < 0.05).