

STABLE 1 Baseline Characteristics and Clinical Glucose Homeostasis Markers of Participants

group	A	B	C	D	E	F	<i>P</i> value
N	30	8	13	14	5	40	
female(%)	20(66.67)	6 (75.00)	7 (53.85)	10 (71.43)	3 (60.00)	19 (47.50)	0.0944
age(year)	44.17 ± 12.19	52.50 ± 12.08	52.54 ± 12.47	47.79 ± 10.76	51.80 ± 7.05	47.75 ± 9.54	0.3875
waist(cm)	75.32 ± 22.52	84.50 ± 8.26	91.54 ± 11.88	87.93 ± 17.33	90.40 ± 14.79	93.35 ± 11.42	<0.0001
hip(cm)	88.53 ± 25.08	101.00 ± 8.57	102.00 ± 8.66	99.93 ± 17.46	103.40 ± 14.67	103.79 ± 9.46	0.0005
SBP(mmHg)	115.10 ± 12.11	120.88 ± 9.08	124.08 ± 12.76	124.14 ± 12.57	120.80 ± 17.14	127.47 ± 15.35	0.0004
DBP(mmHg)	70.73 ± 8.54	72.38 ± 10.47	82.31 ± 10.33	79.93 ± 10.31	77.60 ± 11.78	81.05 ± 10.73	0.0001
BMI(kg/m2)	22.56 ± 2.41	24.17 ± 1.67	26.95 ± 3.71	27.60 ± 5.95	28.38 ± 7.40	27.31 ± 4.98	<0.0001
HbA1c(%)	5.53 ± 0.22	5.54 ± 0.09	5.81 ± 0.09	6.09 ± 0.09	6.34 ± 0.05	7.36 ± 1.60	<0.0001
GLU(mmol)	5.09 ± 0.29	5.41 ± 0.31	5.49 ± 0.71	5.83 ± 0.56	6.08 ± 0.32	7.75 ± 2.23	<0.0001
FIN(mU/L)	7.69 ± 2.99	9.33 ± 3.57	13.86 ± 9.66	15.94 ± 16.62	12.83 ± 7.41	17.29 ± 14.02	0.0004
2hPG(mmol)	5.77 ± 1.11	9.44 ± 0.81	9.07 ± 1.04	8.50 ± 1.43	8.99 ± 0.84	15.54 ± 4.17	<0.0001
2hIN(mU/L)	36.89 ± 19.89	114.30 ± 43.31	147.93 ± 95.11	119.22 ± 108.00	83.58 ± 60.32	102.29 ± 86.45	0.0085
CHO(mmol)	4.98 ± 0.67	5.31 ± 0.93	5.25 ± 0.93	4.85 ± 0.89	5.59 ± 1.02	5.21 ± 0.92	0.3588
TG(mmol)	1.03 ± 0.43	1.59 ± 1.31	1.88 ± 0.84	1.41 ± 0.74	1.69 ± 0.48	2.40 ± 2.77	0.0027
HDL(mmol)	1.49 ± 0.26	1.45 ± 0.26	1.32 ± 0.28	1.36 ± 0.26	1.23 ± 0.13	1.21 ± 0.26	<0.0001
LDL(mmol)	2.86 ± 0.52	3.16 ± 0.59	3.26 ± 0.61	2.93 ± 0.70	3.54 ± 0.73	3.21 ± 0.68	0.038
VLDL(mmol)	0.47 ± 0.19	0.73 ± 0.60	0.85 ± 0.37	0.64 ± 0.34	0.77 ± 0.22	1.09 ± 1.26	0.0027
HOMA-IR	1.74 ± 0.69	2.24 ± 0.86	3.37 ± 2.51	4.20 ± 4.44	3.49 ± 2.02	5.82 ± 4.71	<0.0001
HOMA-B	99.44 ± 43.05	99.82 ± 40.23	154.79 ± 105.20	139.14 ± 149.96	98.96 ± 57.60	99.25 ± 93.13	0.8585

STABLE 2 DNB list

No.	DNB	No.	DNB
1	RTCA	23	TOP2B
2	PRPSAP2	24	LRP1
3	CYB5R3	25	EBI3
4	C5	26	SAFB
5	HLAH	27	PPP1R7
6	C9	28	MAPRE1
7	PRB1	29	SNRNP35
8	HLAA	30	STXBP5
9	C8A	31	TWF2
10	C8B	32	PIP4K2C
11	C8G	33	CFHR4
12	C7	34	ARHGEF2
13	MTHFD1	35	MYL11
14	C6	36	CPB2
15	IDE	37	CFHR5
16	WARS1	38	CHPF2
17	COL5A3	39	SNX6
18	GMPR	40	DERA
19	PSMB2	41	ZNF330
20	ACTR1A	42	PPM1J
21	RPS23	43	METRNL
22	GNB1	44	KBTBD3