

Supplementary Table 3. The RSD% values of the peak area values of the metabolites in group 10 corrected with 2-isopropylmalic acid, 1,5-anhydro-D-glucitol-¹³C₆, histidine-¹³C₆, or citric acid-d₄ in experiment B

Internal standards	2-IPMA				1,5-Anhydro-D-glucitol- ¹³ C ₆				Histidine- ¹³ C ₆				Citric acid-d ₄			
Metabolites in group 10	plasma P	plasma A	plasma B	plasma SP	plasma P	plasma A	plasma B	plasma SP	plasma P	plasma A	plasma B	plasma SP	plasma P	plasma A	plasma B	plasma SP
meso-Erythritol-4TMS	6.2	3.4	4.1	3.0	4.0	5.9	11.0	5.5	40.7	35.1	43.4	36.2	13.4	12.2	7.1	9.6
Arabinose-meto-4TMS	22.9	25.3	26.0	21.8	16.9	20.7	19.3	15.4	39.7	30.9	39.0	34.4	13.5	15.0	13.1	11.2
Arabitol-5TMS	19.8	18.8	22.1	19.9	15.3	13.6	17.1	14.3	53.7	41.6	49.9	48.5	18.8	17.5	19.2	16.8
Citric acid-4TMS	9.4	13.2	9.5	9.5	6.2	9.4	6.6	5.5	35.4	27.7	38.6	31.6	1.6	2.8	3.4	3.6
Arginine-3TMS	34.6	36.6	29.3	30.5	29.9	32.4	24.1	25.0	16.9	17.4	23.3	23.4	21.9	19.1	23.2	18.6
Psicose-meto-5TMS(1)	25.9	25.1	28.9	25.6	21.3	19.8	22.8	19.8	55.2	45.2	63.0	52.9	23.5	24.8	23.5	21.5
1,5-Anhydro-glucitol-4TMS	7.9	7.2	10.1	8.8	2.2	1.7	5.0	3.2	41.6	35.1	47.1	39.3	11.2	8.2	7.3	7.7
Fructose-meto-5TMS(2)	59.3	45.5	24.6	56.9	58.5	43.5	17.4	55.3	87.3	68.6	54.3	81.7	51.2	18.5	62.4	58.4
Histidine-3TMS	34.6	43.2	34.6	32.5	31.5	40.6	33.1	31.2	1.6	12.7	2.0	1.6	34.2	29.1	26.3	27.7
Glucuronic acid-meto-5TMS(2)	20.3	23.0	23.8	22.5	14.6	17.4	17.9	16.4	39.4	34.2	50.0	46.1	14.5	19.3	11.8	17.0
1-Hexadecanol-TMS	24.2	14.6	15.6	14.9	22.0	14.7	20.0	15.1	16.0	29.8	34.7	24.4	14.3	19.0	16.7	12.8
Uric acid-4TMS	11.4	6.8	14.5	13.8	5.9	9.4	9.6	12.5	36.1	38.8	43.1	44.9	17.7	7.4	5.3	15.7
Margaric acid-TMS	20.5	22.8	18.3	21.1	15.5	19.0	14.7	16.5	25.7	20.5	30.4	23.8	9.7	9.6	9.2	11.7
Sucrose-8TMS	18.6	20.3	18.3	19.0	12.4	15.0	12.1	13.2	37.3	28.3	40.6	33.9	8.2	7.5	8.1	9.4

In experiment A, 2-isopropylmalic acid (2-IPMA) was classified into group 10 by the hierarchical cluster analysis. In experiment B, the peak area values of the metabolites in group 10 were corrected with 2-IPMA or the stable isotopes selected in experiment A (1,5-anhydro-D-glucitol-¹³C₆, histidine-¹³C₆, or citric acid-d₄), and then RSD% values were calculated.