

## Supplementary Material

**Table S1.** Exact test for Hardy-Weinberg equilibrium (n = 46).

rs8187710						
	N11	N12	N22	N1	N2	P-value
All subjects	40	6	0	86	6	1
Status=0	16	5	0	37	5	1
Status=1	24	1	0	49	1	1
rs3760091						
	N11	N12	N22	N1	N2	P-value
All subjects	15	26	5	56	36	0,35
Metabolites=0	6	11	4	23	19	1
Metabolites=1	9	15	1	33	17	0,18
rs4788068						
	N11	N12	N22	N1	N2	P-value
All subjects	20	21	5	61	31	1
Metabolites=0	4	13	4	21	21	0,4
Metabolites=1	16	8	1	40	10	1
rs1402467						
	N11	N12	N22	N1	N2	P-value
All subjects	25	13	7	63	27	<b>0,039</b>
Metabolites=0	6	10	5	22	20	1
Metabolites=1	19	3	2	41	7	<b>0,047</b>

In bold the significant difference  $p < 0.05$ .