

**Table S1. Comparison of genotypes according to lactose absorption/malabsorption and lactose tolerance/intolerance.**

	p-value (adjusted Fisher)								
HBT	Sample A (n = 493)			Sample B (n = 120)					
	C/T-13910 polymorphism			C/T-13910 polymorphism			G/A-22018 polymorphism		
	CC: CT	CC: TT	CT: TT	CC: CT	CC: TT	CT: TT	GG: GA	GG: AA	GA: AA
<b>Absorption/malabsorption</b>	2.75e <sup>-62</sup>	1.09e <sup>-34</sup>	6.98e <sup>-01</sup>	2.78e <sup>-13</sup>	9.23e <sup>-07</sup>	2.84e <sup>-01</sup>	1.08e <sup>-12</sup>	6.80e <sup>-07</sup>	1.37e <sup>-01</sup>
<b>Tolerance/intolerance</b>	9.81e <sup>-10</sup>	3.04e <sup>-02</sup>	3.35e <sup>-02</sup>	0.009	0.642	0.646	0.00348	0.63300	0.65000

*In the case of the C/T-13910 polymorphism, analyses were performed for both samples (A and B). For the G/A-22018 polymorphism, the analysis was performed only for sample B. Abbreviation: HBT, hydrogen breath-test.*