

**Table S6** Read counts in microbiome sample DO-111 broken down by observed SNP allele and by the genotypes of genomic DNA samples DO-111 and DO-112

DO-111 genotype	DO-112 genotype	allele in DO-111 microbiome			
		A (%)		B (%)	
AA	AA	1,378,006	(99.6%)	5,121	(0.4%)
AA	AB	352,914	(92.7%)	27,682	(7.3%)
AA	BB	25,268	(85.8%)	4,180	(14.2%)
AB	AA	337,647	(59.3%)	231,369	(40.7%)
AB	AB	202,368	(52.2%)	185,606	(47.8%)
AB	BB	33,524	(44.3%)	42,090	(55.7%)
BB	AA	21,171	(17.0%)	103,638	(83.0%)
BB	AB	9,266	(8.8%)	96,292	(91.2%)
BB	BB	768	(1.0%)	77,959	(99.0%)