

**Supplementary Table 2: Single Nucleotide Polymorphisms (SNPs)**

Gene	Chromosome	Position	Allele Change	Allele Specific Primers	Locus Specific Primer
CELSR2 *	1	112321563	C → T	CCCTGCAGTGAATTACGA[C/T]	GCGCTTCCTGCCCTCATC
GIPR	19	52125587	C → T	ATGGTCATGAGGATGGG[G/A]	GCGAGCGCAACGAAGTCAA
GPR107	15	8694018	C → G	CCTCAGGGTCGGCT[C/G]	GCTCCTTGTTCAAGTGTGACAACAT
GPR139	20	19030347	A → G	ATATCGCTGTCTGCCA[T/C]	GCGTGCTGATGTAGTCTTCAGTC
GPR149	2	133230027	A → T	CGCTTTGATCCTAGCACTTAC[A/T]	GCCTTGTGAGCAACTGCACTTTTA
GPR183 *	17	79668813	G → A	GCCTCTGCATTACAGCCT[C/T]	GCATGACAACCAAGGCTAGTAAGTTT
GPR68	7	154450353	G → T	TGATGTAGATGTTCTCGTAGAG[G/T]	GCGCGTGTACCTGTGCAA
GPR98	6	86863653	C → T	TATGGAAAACCAGAAGATTGAAAG[C/T]	GCCTCACATCTCCTTTAGTCCCT
HTR5A *	3	192188304	A → G	GGTCAACTATTGGGACATAC[T/C]	GCGGATAGGAGACCATAGTTCCA
MC4R *	18	53659440	G → A	GATTGCTGTCTCCC[C/T]	GCCCAATCAGGATGGTCAAAGTAAT
P2RY11	19	9916169	G → A	AAGCTGCGTGTGGC[G/A]	GCCCGAGCATCCACGTTGA
TAAR1	4	131253869	C → T	ATCTCTTCAGCGCCTTTGAA[G/A]	GCTGTCTTTCATCTCCATTGACCG

We genotyped each donor/recipient pair using the rhAMP SNP Assay (IDT) to identify diagnostic SNPs, with preference given to homozygous/homozygous mismatches. The SNPs marked with an asterisk (\*) were used in this study to determine donor chimerism post-transplant. The chromosome positions are relative to the rhesus macaque genome assembly rheMac2.