

Table 6. Proven errors in the Illumina OMNI v2.5 microarray at discordant sites detected between the Illumina OMNI v2.5 microarray and the WGS pipeline for six control samples. *HG* and *NA* refer to the Coriell Institute for Medical Research (<https://www.coriell.org/>) identifiers for the DNA samples used in the analysis.

Genomic co-ordinate (<i>hg19</i>)	Gene	Annotation	Reference	OMNI microarray		WGS pipeline		Sanger sequencing	
				Allele 1	Allele 2	Allele 1	Allele 2	Allele 1	Allele 2
<i>HG01970</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	G	G	A	A	A	A
chr11:76895772	<i>MYO7A</i>	c.3503+12	G	A	A	del22	del22	del22	del22
<i>NAI8533</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr2:29287926	<i>C2orf71</i>	c.3676	C	C	T	C	C	C	C
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	A	G	A	A	A	A
chr11:61725599	<i>BEST1</i>	c.715-19	A	C	C	A	A	A	A
chr11:61725615	<i>BEST1</i>	c.715-3	C	T	T	C	C	C	C
chr16:53672338	<i>RPGRIP1L</i>	c.2959-15	A	A	G	A	A	A	A
<i>NAI8907</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr2:29287926	<i>C2orf71</i>	c.3676	C	C	T	C	C	C	C
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	A	G	A	A	A	A
chr10:95405667	<i>PDE6C</i>	c.1848-50	A	G	G	del2	del2	del2	del2
chr11:61725599	<i>BEST1</i>	c.715-19	A	C	C	A	A	A	A
chr11:61725615	<i>BEST1</i>	c.715-3	C	T	T	C	C	C	C
chr11:76895772	<i>MYO7A</i>	c.3503+12	G	G	A	G	del22	G	del22

Genomic co-ordinate (<i>hg19</i>)	Gene	Annotation	Reference	OMNI microarray		WGS pipeline		Sanger sequencing	
<i>NAI9005</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr2:29287926	<i>C2orf71</i>	c.3676	C	T	T	C	C	C	C
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	A	G	A	A	A	A
chr10:73553177	<i>CDH23</i>	c.6492	C	C	T	C	C	C	C
chr11:61725599	<i>BEST1</i>	c.715-19	A	C	C	A	A	A	A
chr11:61725615	<i>BEST1</i>	c.715-3	C	T	T	C	C	C	C
chr11:76895772	<i>MYO7A</i>	c.3503+12	G	G	A	G	del22	G	del22
<i>NAI9194</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr1:216172380	<i>USH2A</i>	c.6506	A	A	G	A	A	A	A
chr1:243507682	<i>SDCCAG8</i>	c.1473+49	T	T	A	T	T	T	T
chr2:29287926	<i>C2orf71</i>	c.3676	C	C	T	C	C	C	C
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	A	G	A	A	A	A
chr11:61725599	<i>BEST1</i>	c.715-19	A	C	C	A	A	A	A
chr11:61725615	<i>BEST1</i>	c.715-3	C	T	T	C	C	C	C
chr11:76895772	<i>MYO7A</i>	c.3503+12	G	G	A	G	del22	G	del22
<i>NAI9258</i>									
chr1:94517166	<i>ABCA4</i>	c.2653+23	G	C	C	G	G	G	G
chr2:29287926	<i>C2orf71</i>	c.3676	C	C	T	C	C	C	C
chr3:150690476	<i>CLRN1</i>	c.20	T	A	A	T	T	T	T
chr4:15982166	<i>PROM1</i>	c.2374-6	A	A	G	A	A	A	A
chr4:187118042	<i>CYP4V2</i>	c.414-52	C	T	T	del2	del2	del2	del2
chr11:61725599	<i>BEST1</i>	c.715-19	A	C	C	A	A	A	A
chr11:61725615	<i>BEST1</i>	c.715-3	C	T	T	C	C	C	C
chr11:76895772	<i>MYO7A</i>	c.3503+12	G	G	A	G	del22	G	del22