Supplementary Table 3. Conditional probability P($b_{ij}|e_{ij}g_i$) of read b_{ij} given true genotype g_i, and read error e_{ij}

True Genotype g_i	Base Calling Error Event e_{ij}	Pr(b_{ij} =A)	Pr(b_{ij} =B)	Pr(b_{ij} =E)[b]
g_i = AA[a]	e_{ij} = 0	1	0	0
	e_{ij} = 1	0	1/3	2/3
g_i = AB[a]	e_{ij} = 0	1/2	1/2	0
	e_{ij} = 1	1/6	1/6	2/3
g_i = BB[a]	e_{ij} = 0	0	1	0
	e_{ij} = 1	1/3	0	2/3

[a]AA, AB, BB: A allele homozygote, heterozygote, and B allele homozygote
[b]E: alleles other than A or B; assumes four possible alleles (bases)

(from Jun, G. et al. Detecting and Estimating Contamination of Human DNA Samples in Sequencing and Array-Based Genotype Data. *The American Journal of Human Genetics*, Vol. 91 839-848 (2012).)