

Table SI. List of SNPs in the target region.

Reference SNP ID number	Variation class	SNP	MAF
rs1375291809	SNV	111512629G>A	0.000008
rs975843184	SNV	111512634G>A	0.000008
rs923019177	SNV	111512660G>A	N/A
rs995065410	SNV	111512664G>A	0.00006
rs1244185290	SNV	111512667G>C	0.000008
rs1490207469	SNV	111512671C>G	0.000008
rs1460193686	SNV	111512676C>A	0.00002
rs1278108586	SNV	111512681C>G	0.000008
rs1027802188	SNV	111512684G>C	0.00006
rs537097119	SNV	111512685G>A	0.0002
rs1341509337	SNV	111512686G>A	0.000008
rs929465872	SNV	111512687G>A	N/A

SNP, single nucleotide polymorphism; SNV, single nucleotide variation; MAF, minor allele frequency; N/A, not available.

Table SII. Detailed data of ROC analysis.

Threshold fluorescence: 6,000

Droplet number	Probability	1-Specificity	Sensitivity	Sensitivity - (1-Specificity)	Cut-off point	True-positive	True-negative	False-positive	False-negative
-	-	0	0	0		0	20	0	13
7	0.9035	0	0.0769	0.0769		1	20	0	12
5	0.7487	0.05	0.1538	0.1038		2	19	1	11
4	0.627	0.15	0.3077	0.1577		4	17	3	9
3	0.4868	0.35	0.7692	0.4192		10	13	7	3
2	0.3486	0.35	0.8462	0.4962	*	11	13	7	2
1	0.2319	0.7	0.9231	0.2231		12	6	14	1
0	0.1456	1	1	0		13	0	20	0
0	0.1456	1	1	0		13	0	20	0

Threshold fluorescence: 7,000

Droplet number	Probability	1-Specificity	Sensitivity	Sensitivity - (1-Specificity)	Cut-off point	True-positive	True-negative	False-positive	False-negative
-	-	0	0	0		0	20	0	13
6	0.9733	0	0.0769	0.0769		1	20	0	12
5	0.9323	0.05	0.1538	0.1038		2	19	1	11
3	0.6628	0.1	0.7692	0.6692	*	10	18	2	3
2	0.4262	0.25	0.8462	0.5962		11	15	5	2
1	0.2191	0.55	0.9231	0.3731		12	9	11	1
0	0.0959	1	1	0		13	0	20	0
0	0.0959	1	1	0		13	0	20	0

Threshold fluorescence: 8,000

Droplet number	Probability	1-Specificity	Sensitivity	Sensitivity - (1-Specificity)	Cut-off point	True-positive	True-negative	False-positive	False-negative
-	-	0	0	0		0	20	0	13
4	0.675	0	0.0769	0.0769		1	20	0	12
3	0.5938	0	0.2308	0.2308	*	3	20	0	10
2	0.5071	0.15	0.3077	0.1577		4	17	3	9
1	0.42	0.35	0.3077	-0.0423		4	13	7	9
0	0.3377	1	1	0		13	0	20	0
0	0.3377	1	1	0		13	0	20	0

The asterisk symbol (*) indicates the optimal cut-off.