

Impact of no-call threshold on sensitivity and specificity with imputation

381 European sample reference panel

a

Genotype quality threshold: None

	Sens ₁					Spec ₁					
	0x	.5x	1x	2x	4x	0x	.5x	1x	2x	4x	
No Array	NA	92.42	94.41	96.11	97.26	No Array	NA	98.35	98.89	99.31	99.51
Affy 100k	50.58	92.66	94.46	96.08	97.22	Affy 100k	88.86	98.38	98.96	99.31	99.51
Affy 500k	85.98	93.62	94.81	96.11	97.16	Affy 500k	96.06	98.53	98.94	99.26	99.48
Affy 6	91.14	94.25	95.08	96.31	97.32	Affy 6	98.15	98.82	99.07	99.34	99.49
Ilmn 1M	93.92	95.28	95.75	96.57	97.48	Ilmn 1M	99.18	99.36	99.47	99.50	99.63
Omni 2.5	95.29	96.11	96.36	96.98	97.67	Omni 2.5	99.53	99.57	99.60	99.62	99.70

b

Genotype quality threshold: 10

	Sens ₁					Spec ₁					
	0x	.5x	1x	2x	4x	0x	.5x	1x	2x	4x	
No Array	NA	83.74	89.11	92.63	95.18	No Array	NA	99.39	99.48	99.68	99.72
Affy 100k	25.56	84.30	89.22	92.61	95.07	Affy 100k	97.53	99.33	99.48	99.66	99.70
Affy 500k	70.35	87.13	90.35	92.89	95.17	Affy 500k	98.61	99.36	99.46	99.60	99.68
Affy 6	82.22	89.04	91.13	93.33	95.41	Affy 6	99.27	99.48	99.49	99.62	99.67
Ilmn 1M	88.96	91.50	92.46	94.02	95.81	Ilmn 1M	99.63	99.70	99.70	99.74	99.78
Omni 2.5	91.93	92.99	93.57	94.72	96.10	Omni 2.5	99.75	99.78	99.75	99.80	99.83

c

Genotype quality threshold: 20

	Sens ₁					Spec ₁					
	0x	.5x	1x	2x	4x	0x	.5x	1x	2x	4x	
No Array	NA	59.23	71.15	80.39	88.73	No Array	NA	99.73	99.82	99.87	99.88
Affy 100k	9.45	60.71	71.28	80.60	88.62	Affy 100k	99.09	99.70	99.77	99.85	99.85
Affy 500k	43.68	66.28	73.95	81.74	89.17	Affy 500k	99.38	99.69	99.74	99.81	99.83
Affy 6	58.68	70.64	76.33	82.82	89.68	Affy 6	99.60	99.74	99.73	99.77	99.83
Ilmn 1M	67.84	75.27	78.98	84.42	90.52	Ilmn 1M	99.84	99.86	99.85	99.88	99.89
Omni 2.5	73.28	78.03	80.67	85.49	90.89	Omni 2.5	99.90	99.90	99.88	99.91	99.90