

Sensitivity and specificity of data collection strategies without a reference panel

a

42 European samples sequenced

	$Sens_I$						$Spec_I$				
	0x	.5x	1x	2x	4x		0x	.5x	1x	2x	4x
No Array	NA	3.25	14.84	62.09	88.41	No Array	NA	98.95	97.98	98.59	99.40
Affy 100k	1.66	4.84	17.59	63.64	88.77	Affy 100k	99.88	99.18	98.37	98.69	99.50
Affy 500k	9.37	12.49	28.12	68.17	89.41	Affy 500k	99.79	99.40	98.76	98.97	99.42
Affy 6	16.39	19.34	36.57	71.93	89.94	Affy 6	99.82	99.50	99.04	99.19	99.49
Illumina 1M	24.02	26.91	44.84	76.41	90.96	Illumina 1M	99.88	99.75	99.22	99.30	99.56
Omni 2.5	32.99	35.95	53.95	81.32	92.18	Omni 2.5	99.87	99.73	99.32	99.47	99.62

b

42 African samples sequenced

	$Sens_I$						$Spec_I$				
	0x	.5x	1x	2x	4x		0x	.5x	1x	2x	4x
No Array	NA	4.66	15.68	48.49	86.36	No Array	NA	99.40	98.59	98.09	99.13
Affy 100k	1.37	5.85	16.96	50.55	87.09	Affy 100k	99.65	99.35	98.76	98.29	99.16
Affy 500k	8.22	12.53	23.86	55.59	88.06	Affy 500k	99.81	99.59	99.01	98.54	99.22
Affy 6	14.44	18.54	29.89	59.87	88.82	Affy 6	99.59	99.51	99.01	98.72	99.26
Illumina 1M	20.40	24.33	35.51	64.06	89.59	Illumina 1M	99.95	99.78	99.30	98.89	99.37
Omni 2.5	30.15	33.87	44.49	70.02	90.99	Omni 2.5	99.86	99.76	99.29	99.08	99.43