

Specificity with and without imputation

381 European sample reference panel

a

| | Spec _D | | | | | | Spec _I | | | | |
|-----------|-------------------|-------|-------|-------|-------|-----------|-------------------|-------|-------|-------|-------|
| | 0x | .5x | 1x | 2x | 4x | | 0x | .5x | 1x | 2x | 4x |
| No Array | NA | 98.97 | 99.10 | 98.32 | 98.44 | No Array | NA | 99.39 | 99.48 | 99.68 | 99.72 |
| Affy 100k | 99.88 | 99.24 | 99.19 | 98.42 | 98.49 | Affy 100k | 97.53 | 99.33 | 99.48 | 99.66 | 99.70 |
| Affy 500k | 99.35 | 99.36 | 99.27 | 98.62 | 98.61 | Affy 500k | 98.61 | 99.36 | 99.46 | 99.60 | 99.68 |
| Affy 6 | 99.86 | 99.69 | 99.60 | 98.96 | 98.77 | Affy 6 | 99.27 | 99.48 | 99.49 | 99.62 | 99.67 |
| Ilmn 1M | 99.94 | 99.82 | 99.69 | 99.17 | 98.91 | Ilmn 1M | 99.63 | 99.70 | 99.70 | 99.74 | 99.78 |
| Omni 2.5 | 99.80 | 99.77 | 99.73 | 99.24 | 99.04 | Omni 2.5 | 99.75 | 99.78 | 99.75 | 99.80 | 99.83 |

41 European sample reference panel

b

| | Spec _D | | | | | | Spec _I | | | | |
|-----------|-------------------|-------|-------|-------|-------|-----------|-------------------|-------|-------|-------|-------|
| | 0x | .5x | 1x | 2x | 4x | | 0x | .5x | 1x | 2x | 4x |
| No Array | NA | 98.94 | 98.74 | 98.16 | 98.11 | No Array | NA | 98.48 | 98.84 | 99.15 | 99.46 |
| Affy 100k | 99.88 | 99.26 | 98.88 | 98.24 | 98.17 | Affy 100k | 97.63 | 98.54 | 98.88 | 99.24 | 99.46 |
| Affy 500k | 99.51 | 99.40 | 99.19 | 98.59 | 98.37 | Affy 500k | 98.27 | 98.82 | 98.98 | 99.18 | 99.41 |
| Affy 6 | 99.73 | 99.54 | 99.45 | 98.86 | 98.57 | Affy 6 | 98.86 | 98.95 | 99.19 | 99.27 | 99.46 |
| Ilmn 1M | 99.93 | 99.83 | 99.61 | 99.09 | 98.75 | Ilmn 1M | 99.38 | 99.29 | 99.45 | 99.51 | 99.56 |
| Omni 2.5 | 99.87 | 99.79 | 99.62 | 99.28 | 98.91 | Omni 2.5 | 99.57 | 99.56 | 99.55 | 99.57 | 99.62 |

41 African sample reference panel

c

| | Spec _D | | | | | | Spec _I | | | | |
|-----------|-------------------|-------|-------|-------|-------|-----------|-------------------|-------|-------|-------|-------|
| | 0x | .5x | 1x | 2x | 4x | | 0x | .5x | 1x | 2x | 4x |
| No Array | NA | 99.33 | 98.89 | 98.09 | 98.00 | No Array | NA | 97.46 | 98.14 | 98.73 | 99.24 |
| Affy 100k | 99.53 | 99.40 | 99.00 | 98.17 | 98.08 | Affy 100k | 96.65 | 97.50 | 98.21 | 98.71 | 99.24 |
| Affy 500k | 99.81 | 99.60 | 99.31 | 98.43 | 98.21 | Affy 500k | 97.99 | 97.95 | 98.16 | 98.81 | 99.21 |
| Affy 6 | 99.52 | 99.55 | 99.33 | 98.60 | 98.33 | Affy 6 | 98.07 | 98.27 | 98.54 | 98.86 | 99.26 |
| Ilmn 1M | 99.95 | 99.83 | 99.53 | 98.83 | 98.49 | Ilmn 1M | 98.92 | 98.86 | 98.79 | 99.08 | 99.37 |
| Omni 2.5 | 99.86 | 99.84 | 99.59 | 99.04 | 98.66 | Omni 2.5 | 99.16 | 99.12 | 99.10 | 99.29 | 99.43 |