

Supplemental Table S9. Accuracy statistics for imputation of the American (AMR) specific variant genotypes from The GTEx Project using the 1000 Genomes panel as the reference. MAF range and mean/median/standard deviation (S.D) of genotype R2 are shown in the columns.

| POPULATION | PROTOCOL | MAF | MEAN R2 | MEDIAN | S.D. |
|------------|-----------------------|--------------|----------|---------|----------|
| AMR | Central | [0,0.001] | 0.244904 | 0 | 0.39185 |
| AMR | Unphased (No augment) | [0,0.001] | 0.237338 | 0 | 0.377912 |
| AMR | Unphased (Augmented) | [0,0.001] | 0.250133 | 0 | 0.386338 |
| AMR | Phased (Augmented) | [0,0.001] | 0.233264 | 0 | 0.375679 |
| AMR | Phased (No augment) | [0,0.001] | 0.21651 | 0 | 0.366507 |
| AMR | RESHAPE | [0,0.001] | 0.194577 | 0 | 0.361407 |
| AMR | Central | (0.001,0.01] | 0.478059 | 0.4976 | 0.378233 |
| AMR | Unphased (No augment) | (0.001,0.01] | 0.456549 | 0.4423 | 0.359096 |
| AMR | Unphased (Augmented) | (0.001,0.01] | 0.468747 | 0.45785 | 0.362038 |
| AMR | Phased (Augmented) | (0.001,0.01] | 0.470832 | 0.4825 | 0.362057 |
| AMR | Phased (No augment) | (0.001,0.01] | 0.435708 | 0.4259 | 0.35936 |
| AMR | RESHAPE | (0.001,0.01] | 0.430598 | 0.3891 | 0.382756 |
| AMR | Central | (0.01,0.05] | 0.716628 | 0.83055 | 0.311186 |
| AMR | Unphased (No augment) | (0.01,0.05] | 0.663295 | 0.7488 | 0.318089 |
| AMR | Unphased (Augmented) | (0.01,0.05] | 0.679138 | 0.7646 | 0.318978 |
| AMR | Phased (Augmented) | (0.01,0.05] | 0.684375 | 0.7659 | 0.311142 |
| AMR | Phased (No augment) | (0.01,0.05] | 0.653061 | 0.72805 | 0.317512 |
| AMR | RESHAPE | (0.01,0.05] | 0.685887 | 0.7987 | 0.329716 |
| AMR | Central | (0.05,1] | 0.946536 | 0.9864 | 0.112344 |
| AMR | Unphased (No augment) | (0.05,1] | 0.910134 | 0.9554 | 0.132106 |
| AMR | Unphased (Augmented) | (0.05,1] | 0.928098 | 0.9724 | 0.123985 |
| AMR | Phased (Augmented) | (0.05,1] | 0.930965 | 0.9733 | 0.12116 |
| AMR | Phased (No augment) | (0.05,1] | 0.894911 | 0.9495 | 0.149169 |
| AMR | RESHAPE | (0.05,1] | 0.940734 | 0.985 | 0.124182 |