**Table S2. Power to detect associations with the known risk variants in African American.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Chr, Index SNP**  | **Reported OR (per allele)** | **RAF in African Americans** | **Power (α=0.05)** | **Reference** |
| 2p24,rs13385191  | 1.15a | 0.06 | 51% | [1] |
| 2p21,rs1465618 | 1.08 | 0.12 | 31% | [2] |
| 2p15, rs721048 | 1.15 | 0.04 | 35% | [3] |
| 2p15,rs2710647 | 1.15 | 0.46 | >80%d | [2] |
| 2q21,rs12621278 | 1.30 | 0.98 | 52% | [2] |
| 3p12,rs2660753 | 1.08 | 0.49 | 61% | [4] |
| 3q21,rs10934853 | 1.12 | 0.70 | 84% | [5] |
| 4q22,rs12500426 | 1.08 | 0.40 | 59% | [2] |
| 4q22,rs17021918 | 1.10 | 0.78 | 62% | [2] |
| 4q24,rs7679673 | 1.09 | 0.39 | 69% | [2] |
| 5p15,rs401681 | 1.07 | 0.41 | 49% | [6] |
| 5p15,rs12653946 | 1.26a | 0.41 | >99% | [1] |
| 6p21,rs1983891 | 1.15a | 0.48 | 98% | [1] |
| 6q22,rs339331 | 1.22a | 0.75 | >99% | [1] |
| 6q25,rs9364554 | 1.14 | 0.06 | 46% | [4] |
| 7p15,rs10486567 | 1.12 | 0.71 | 84% | [7] |
| 7q21,rs6465657 | 1.12 | 0.87 | 58% | [4] |
| 8p21,rs2928679 | 1.05 | 0.27 | 24% | [2] |
| 8p21,rs1512268 | 1.18 | 0.63 | >99% | [2] |
| 8q24,rs12543663 | 1.08 | 0.15 | 36% | [8] |
| 8q24,rs10086908 | 1.15 | 0.75 | 93% | [8] |
| 8q24,rs1016343 | 1.21 | 0.22 | >99% | [8] |
| 8q24,rs13252298 | 1.19 | 0.93 | 70% | [8] |
| 8q24,rs13254738 | 1.18b | 0.60 | >99% | [9] |
| 8q24,rs6983561 | 1.47 | 0.44 | >99% | [8] |
| 8q24,rs620861 | 1.11 | 0.65 | 82% | [8] |
| 8q24,rs16902104 | 1.21 | 0.07 | 83% | [5] |
| 8q24,rs6983267 | 1.26 | 0.88 | 99% | [8] |
| 8q24,rs7000448 | 1.19b | 0.62 | >99% | [9] |
| 8q24,rs11986220 | 1.64b | 0.05 | >99% | [10] |
| 8q24,rs10090154 | 1.47 | 0.13 | >99% | [8] |
| 10q11,rs10993994 | 1.25 | 0.60 | >99% | [4] |
| 10q26, rs4962416 | 1.17 | 0.16 | 93% | [7] |
| 11p15, rs7127900 | 1.22 | 0.36 | >99% | [2] |
| 11q13,rs12418451 | 1.15 | 0.13 | 80% | [11] |
| 11q13,rs11228565 | 1.23 | 0.10 | 96% | [5] |
| 11q13, rs7931342 | 1.18 | 0.78 | 97% | [4] |
| 11q13,rs10896449 | 1.18 | 0.67 | >99% | [7] |
| 13q22,rs9600079 | 1.18a | 0.53 | >99% | [1] |
| 17p12, rs4054823c  | 1.13 | 0.68 | 90% | [12] |
| 17q12,rs11649743 | 1.28 | 0.91 | 97% | [13] |
| 17q12, rs4430796  | 1.24 | 0.35 | >99% | [14] |
| 17q12,rs7501939 | 1.19 | 0.49 | >99% | [14] |
| 17q24, rs1859962 | 1.25 | 0.30 | >99% | [14] |
| 19q13, rs8102476  | 1.12 | 0.74 | 81% | [5] |
| 19q13, rs266849  | 1.05 | 0.88 | 15% | [15] |
| 19q13, rs2735839  | 1.12 | 0.69 | >99% | [4] |
| 22q13, rs5759167  | 1.16 | 0.75 | 95% | [2] |
| Xp11, rs5945572  | 1.23 | 0.28 | >99% | [3] |

aIdentified in Japanese. bEstimated in a multiethnic sample. cSNP for aggressive disease. dPer allele OR not provided. Estimated based on OR for heterozygotes and homozygotes.

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