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| **Table S1 Summary results of the previously reported SNPs　associated with prostate cancer susceptibility in GWAS of the Japanese** |
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| **Chr** | **Region** |  | **Reported SNP** |  | **GWAS in Japanese population** |
|  | **refSNP ID**  |  | **refSNP ID a** | **Odds ratio** | ***P* value b** |
|  |  |
| 2 | EHBP1 |  | rs721048 | 　 | rs2710646f | 1.04  | 6.8 x 10-01 |
| 2 | THADA | 　 | rs1465618 | 　 | rs1465618 | 1.23  | **1.0 x 10-05** |
| 2 | ITGA6 |  | rs12621278 |  | rs12621278 | 1.11  | 5.7 x 10-02 |
| 3 | 3p12 | 　 | rs2660753 | 　 | rs2660753 | 1.23  | **1.3 x 10-05** |
| 3 | 3q21 |  | rs10934853 |  | rs10934853 | 1.06  | 1.6 x 10-01 |
| 4 | PDLIM5 |  | rs17021918 |  | rs17021918 | 1.05  | 3.1 x 10-01 |
| 4 | TET2 |  | rs7679673 |  | rs7679673 | 1.13  | 2.2 x 10-02 |
| 6 | SLC22A3 |  | rs9364554 |  | rs9364554 | 1.03  | 4.8 x 10-01 |
| 7 | LMTK2 |  | rs6465657 |  | rs6465657 | 1.02  | 7.3 x 10-01 |
| 8 | NKX3-1 | 　 | rs1512268 | 　 | rs1512268 | 1.34  | **4.3 x 10-11** |
| 8 | 8q24 (Block1) | rs12543663 |  | rs12543663 | 1.07  | 4.2 x 10-01 |
| 8 | 8q24 (Block1) | rs10086908 | 　 | rs10086908 | 1.28  | **6.9 x 10-06** |
| 8 | 8q24 (Block2 / Region2) | rs1016343 |  | rs1016343 | 1.39  | **2.7 x 10-13** |
| 8 | 8q24 (Block2 / Region2) | rs13252298 |  | rs13252298 | 1.40  | **6.7 x 10-13** |
| 8 | 8q24 (Block2 / Region2) | rs6983561 |  | rs16901966 | 1.44  | **1.9 x 10-12** |
| 8 | 8q24 (Block3 / Region3) | rs16902094 |  | rs16902094 | 1.13  | 1.9 x 10-02 |
| 8 | 8q24 (Block3 / Region3) | rs445114 |  | rs445114 | 1.15  | **9.3 x 10-04** |
| 8 | 8q24 (Block3 / Region3) | rs620861 | 　 | rs620861 | 1.16  | **7.2 x 10-04** |
| 8 | 8q24 (Block4 / Region3) | rs6983267 | 　 | rs6983267 | 1.23  | **2.9 x 10-06** |
| 8 | 8q24 (Block5 / Region1) | rs1447295 |  | rs1447295 | 1.61  | **6.0 x 10-20** |
| 8 | 8q24 (Block5 / Region1) | rs10090154 | 　 | rs7837688f | 1.75  | **1.2 x 10-25** |
| 10 | MSMB | 　 | rs10993994 | 　 | rs10993994 | 1.27  | **3.4 x 10-08** |
| 10 | CTBP2 |  | rs4962416 |  | rs4962416 | 0.99  | 9.7 x 10-01 |
| 11 | 11p15 |  | rs7127900 |  | rs7127900 | 1.01  | 4.3 x 10-01 |
| 11 | 11q13 |  | rs7931342 |  | rs7931342 | 1.07  | 1.6 x 10-01 |
| 17 | HNF1B | 　 | rs4430796 | 　 | rs4430796 | 1.30  | **1.2 x 10-08** |
| 17 | 17q24 |  | rs1859962 |  | rs1859962 | 0.99  | 8.4 x 10-01 |
| 19 | 19q13 |  | rs8102476 |  | rs8102476 | 1.01  | 7.7 x 10-01 |
| 19 | KLK2/KLK3 |  | rs2735839 |  | rs2735839 | 1.14  | 3.3 x 10-03 |
| 22 | TTLL1/BIK | 　 | rs5759167 | 　 | rs5759167 | 1.17  | **5.8 x 10-04** |
| X | NUDT10/NUDT11 |  | rs5945619 |  | rs5945619 | 1.38  | 8.6 x 10-03 |
| This table lists the PC-susceptibility loci reported by July, 2010. The SNPs incorporated in the genetic risk prediction model are underlined.　a When the exact reported SNP was not studied in the GWAS of the Japanese, a SNP indicating strong LD (r2 ≥ 0.8) with the reported SNP in Phase II of HapMap CEU data was used as an alternative. b The 15 SNPs that passed the significance level after Bonferroni correction (0.05/31= 1.6x10-3) are indicated in bold letters. |
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