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| S3 Table. Sensitivity analysis on associations between selected SNPs and disease-free survival (DFS) in breast cancer patients by tumor subtypes with stage I-III |
| SNP | Loci | Nearby gene | Allelesa | Discovery set | Replication set | Combined set |
| RAF | HRb | (95% CI) | *P* | MAF | HRb | (95% CI) | *P* | HRc | (95% CI) | *P* |
| **HR+ HER2-** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs161041 | 5q32 | *PPP2R2B* | C | T | 0.14  | 2.17  | (1.55-3.03) | 6.05×10-6 | 0.13  | 0.83  | (0.49-1.39) | 0.48  | 1.37  | (0.54-3.51) | 0.51 |
| rs2835688 | 21q22 | *intergenic/DSCR3* | A | G | 0.26  | 2.26  | (1.52-3.37) | 6.23×10-5 | 0.27  | 1.06  | (0.73-1.54) | 0.76  | 1.54  | (0.74-3.24) | 0.25 |
| rs9935088 | 16q23 | *WWOX* | A | G | 0.41  | 1.76  | (1.34-2.32) | 4.86×10-5 | 0.41  | 0.88  | (0.62-1.24) | 0.57  | 1.25  | (0.64-2.47) | 0.51 |
| rs166870d | 15q25 | *intergenic/MTHFS* | C | T | 0.13  | 2.26  | (1.59-3.20) | 5.58×10-6 | 0.13  | 1.95  | (1.01-3.74) | 0.05  | 2.19  | (1.61-2.97) | 5.73×10-7 |
| **HR+ HER2+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs1896346 | 12q24 | *intergenic/TBX3* | G | A | 0.38  | 0.19  | (0.09-0.39) | 7.29×10-6 | 0.44  | 1.03  | (0.59-1.82) | 0.92  | 0.45  | (0.09-2.35) | 0.34 |
| rs12940572 | 17q21 | *LASP1* | T | C | 0.29  | 4.11  | (2.14-7.90) | 2.30×10-5 | 0.35  | 1.12  | (0.63-1.97) | 0.70  | 2.12  | (0.59-7.59) | 0.25 |
| **HR- HER2+** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs34073156 | 8q24 | *intergenic/LOC100129367* | G | A | 0.10  | 4.67  | (2.56-8.52) | 4.89×10-7 | 0.07  | 1.78  | (0.80-3.97) | 0.16  | 3.00  | (1.17-7.69) | 0.02 |
| rs10906761e | 10p13 | *intergenic/CDNF* | C | T | 0.49  | 0.24  | (0.13-0.43) | 3.13×10-6 | 0.48  | 0.96  | (0.55-1.68) | 0.89  | 0.48  | (0.12-1.87) | 0.21 |
| **HR- HER2-** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| rs10825036 | 10q21 | *intergenic/PCDH15* | T | G | 0.32  | 2.44  | (1.68-3.54) | 2.53×10-6 | 0.29  | 1.64  | (0.96-2.80) | 0.07  | 2.10  | (1.44-3.06) | 1.18×10-4 |
| rs10862597 | 12q21 | *intergenic/RPL6P25* | C | G | 0.32  | 2.11  | (1.36-3.28) | 9.05×10-4 | 0.30  | 1.09  | (0.69-1.72) | 0.73  | 1.52  | (0.80-2.91) | 0.20 |
| Abbreviations: SNP, single-nucleotide polymorphism; DFS, disease-free survival; RAF, risk-allele frequency; HR, hazard ratio; CI, confidence interval; MAF, minor allele frequency; HR, hormone receptor; HER2, human epidermal growth factor receptor 2. |
| aMajor and minor alleles. |
| bCox proportional hazard model adjusted for age, recruiting center, and TNM stage. |
| cRandom-effect meta-analysis of discovery and replication set. |
| dA proxy SNP, rs1081228, was genotyped for rs166870 in the replication set (r2 = 0.96 and D' = 1.00 in CHB+JPT). |
| eA proxy SNP,rs4750561, was genotyped for rs10906761 in the replication set (r2 = 1.00 and D' = 1.00 in CHB+JPT). |
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