**Supplementary Table 3.** Associations (95% Confidence Interval (CI) in brackets) between breast cancer susceptibility variants and the mammographic measures with adjustment for case-control status

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Percent Dense Area** | **Dense Area** | **Non-dense** |
| **Variant** | **Locus** | **Beta** **(95% CI)**a | **Beta** **(95% CI)**a**+case adj** | **Proportion SNP Effect** **Mediated****(95% CI)** | **Dense Area Beta** **(95% CI)**a | **Beta** **(95% CI)**a**+case adj** | **Proportion SNP Effect Mediated****(95% CI)** | **Beta** **(95% CI)**a | **Beta****(95% CI)**a**+case adj** | **Proportion SNP Effect** **Mediated****(95% CI)** |
| rs10995190 | *ZNF365* | -0.16(-0.21, -0.11) | -0.14(-0.2, -0.09) | 6.0% (0.5, 11.5) | -0.25 (-0.33, -0.18) | -0.23 (-0.31, -0.16) | 4.2%(0.4, 7.9) | 0.01 (-0.08, 0.09) | -0.01 (-0.09, 0.07) | --b |
| rs2046210 | *ESR1* | 0.10(0.06, 0.14) | 0.09(0.05, 0.13) | 18.6%(9.6, 27.6) | 0.14 (0.08, 0.19) | 0.13 (0.07, 0.18) | 15.1%(7.6, 22.5) | -0.02 (-0.08, 0.04) | -0.01 (-0.07, 0.05) | 63.0%(-76.5,202.5) |
| rs1432679 | *EBF1* | 0.09(0.05, 0.13) | 0.08(0.04, 0.12) | 17.1%(8.5, 25.7) | 0.09 (0.04, 0.15) | 0.09 (0.03, 0.14) | 17.9%(7.2, 28.7) | -0.11 (-0.16, -0.05) | -0.10 (-0.16, -0.04) | 13.2%(5.1, 21.3) |
| rs3817198 | *LSP1* | 0.09(0.05, 0.13) | 0.08(0.04, 0.12) | 17.2%(7.3, 27.0) | 0.16 (0.10, 0.21) | 0.15 (0.09, 0.21) | 11.0%(5.2, 16.7) | -0.001 (-0.07, 0.06) | 0.004 (-0.06, 0.07) | 179%(-1200,1558) |
| rs17817449 | *MIR1972-2-FTO* | -0.07(-0.11, -0.03) | -0.07(-0.11, -0.03) | --b | -0.09 (-0.14, -0.03) | -0.09 (-0.14, -0.03) | --b | 0.06 (-0.00, 0.12) | 0.05 (-0.01, 0.11) | --b |
| rs12710696 | *2p24.1* | -0.07(-0.11, -0.03) | -0.08(-0.12, -0.04) | --b | -0.10 (-0.15, -0.04) | -0.11 (-0.16, -0.05) | --b | 0.03 (-0.03, 0.09) | 0.04 (-0.02, 0.10) | --b |
| rs6001930 | *MKL1* | -0.06(-0.13, -0.00) | -0.08(-0.14, -0.02) | --b | -0.18 (-0.27, -0.10) | -0.20 (-0.29, -0.12) | --b | -0.23 (-0.33, -0.14) | -0.22 (-0.31, -0.12) | 9.4%(4.1, 14.6) |
| rs3757318 | *ESR1* | 0.07(-0.00, 0.15) | 0.05(-0.03, 0.13) | 44.5%(-3.6, 92.6) | 0.19 (0.08, 0.30) | 0.16 (0.06, 0.27) | 20.7%(6.8, 34.7) | 0.12 (0.00, 0.23) | 0.14 (0.02, 0.25) | --b |
| rs17356907 | *NTN4* | -0.03(-0.07, 0.01) | -0.02(-0.06, 0.02) | 8.0%(-16.8, 32.7) | 0.01 (-0.05, 0.07) | 0.03 (-0.03, 0.08) | --b | 0.12 (0.06, 0.18) | 0.11 (0.05, 0.17) | 1.7%(-3.1, 6.5) |

aOrdinal per allele estimate, Age, 1/BMI, study adjusted

bno evidence that effect is mediated by case-control status