

Supplementary Table 4. Association of *TGFB1* SNPs with age- and BMI-adjusted percent mammographic density by number of births\*

| SNP        | Chr19 position | Major/minor allele | MAF   | Number of births |      |        |             |       |      |              |      |      |                                       |
|------------|----------------|--------------------|-------|------------------|------|--------|-------------|-------|------|--------------|------|------|---------------------------------------|
|            |                |                    |       | 0 (n=133)        |      |        | 1-2 (n=462) |       |      | 3+ (n=1,443) |      |      | P <sub>interaction</sub> <sup>¶</sup> |
|            |                |                    | Beta  | SE               | P    | Beta   | SE          | P     | Beta | SE           | P    |      |                                       |
| rs2241718  | 46521446       | G/A                | 0.30  | 1.08             | 2.31 | 0.64   | 0.77        | 1.25  | 0.54 | -0.15        | 0.61 | 0.80 | 0.46                                  |
| rs12981053 | 46524296       | C/T                | 0.30  | 1.34             | 2.30 | 0.56   | 0.86        | 1.24  | 0.49 | -0.14        | 0.61 | 0.82 | 0.40                                  |
| rs10417924 | 46525007       | C/T                | 0.10  | -4.69            | 3.79 | 0.22   | 1.55        | 2.05  | 0.45 | 0.07         | 0.91 | 0.94 | 0.64                                  |
| rs12983047 | 46526339       | A/G                | 0.36  | 1.18             | 2.27 | 0.61   | 0.68        | 1.20  | 0.57 | -0.11        | 0.58 | 0.85 | 0.43                                  |
| rs8110090  | 46537712       | A/G                | 0.004 | -3.23            | 18.2 | 0.86   | 1.53        | 10.30 | 0.88 | -0.62        | 4.14 | 0.88 | 0.97                                  |
| rs4803455  | 46543349       | C/A                | 0.34  | 7.71             | 2.34 | 0.001  | 2.16        | 1.21  | 0.08 | 0.36         | 0.59 | 0.54 | 0.001                                 |
| rs2241716  | 46545926       | C/T                | 0.28  | 8.55             | 2.38 | 0.0005 | 1.85        | 1.25  | 0.14 | 0.82         | 0.61 | 0.18 | 0.004                                 |
| rs1982072  | 46556349       | T/A                | 0.42  | 6.85             | 2.22 | 0.003  | 1.95        | 1.18  | 0.10 | 0.51         | 0.57 | 0.37 | 0.003                                 |
| rs2241713  | 46561308       | G/C                | 0.42  | 6.58             | 2.24 | 0.004  | 2.02        | 1.19  | 0.09 | 0.44         | 0.57 | 0.44 | 0.003                                 |

\* From linear regression models adjusting for age at mammogram (continuous) and BMI at mammogram (continuous), and dialect group (Cantonese, Hokkien). Additive genetic model was used. Abbreviations: SNP, single-nucleotide polymorphism, MD, mammographic density; MAF, minor allele frequency; BMI, body mass index

<sup>¶</sup> P values for interaction with number of births (three ordinal categories)