Table S2 Stratified analysis of rs13255292 SNP of *PVT1* in GC patients and controls by age and other clinical features

| Age (yr) | Features | Dominant model (CC/CT+TT) |  |  |  |  |  |  |  |  |  |  |  |
|----------|----------|---------------------------|---|---|---|---|---|---|---|---|---|---|---|
|          |          | CON, N | GC, N | AOR (95% CI) | P<sup>a</sup> | CON, N | GC, N | AOR (95% CI) | P<sup>a</sup> |
|          |          |        |        |               |               |        |        |               |               |
| < 60     | T        | T1+T2  | 72 (36.9) | 58 (41.7) | 1.13 (0.66-1.93) | 0.664 | 10 (5.1) | 4 (2.9) | 0.57 (0.13-2.48) | 0.452 |
|          |          | T3+T4  | 72 (36.9) | 20 (34.5) | 0.81 (0.42-1.59) | 0.547 | 10 (5.1) | 3 (5.2) | 1.31 (0.31-5.52) | 0.711 |
|          | LNM      | Positive | 72 (36.9) | 23 (34.8) | 0.78 (0.41-1.47) | 0.443 | 10 (5.1) | 2 (3.0) | 0.83 (0.16-4.27) | 0.821 |
|          |          | Negative | 72 (36.9) | 55 (42.0) | 1.22 (0.70-2.11) | 0.485 | 10 (5.1) | 5 (3.8) | 0.80 (0.20-3.15) | 0.751 |
|          | Stage    | I+II   | 72 (36.9) | 62 (40.8) | 1.13 (0.66-1.91) | 0.660 | 10 (5.1) | 5 (3.3) | 0.68 (0.17-2.68) | 0.582 |
|          |          | III    | 72 (36.9) | 16 (35.6) | 0.84 (0.41-1.72) | 0.641 | 10 (5.1) | 2 (4.4) | 1.11 (0.22-5.63) | 0.897 |
|          | Histology | Intestinal | 72 (36.9) | 37 (39.8) | 0.79 (0.42-1.49) | 0.468 | 10 (5.1) | 5 (5.4) | 1.16 (0.28-4.76) | 0.838 |
|          |          | Diffuse | 72 (36.9) | 31 (38.3) | 1.09 (0.61-1.96) | 0.776 | 10 (5.1) | 1 (1.2) | 0.41 (0.05-3.47) | 0.415 |
| ≥ 60     | T        | T1+T2  | 55 (30.2) | 60 (37.3) | 1.33 (0.82-2.15) | 0.248 | 6 (3.3) | 8 (5.0) | 1.98 (0.63-6.18) | 0.241 |
|          |          | T3+T4  | 55 (30.2) | 32 (30.8) | 0.90 (0.50-1.59) | 0.705 | 6 (3.3) | 9 (8.7) | 2.48 (0.79-7.75) | 0.118 |
|          | LNM      | Positive | 55 (30.2) | 33 (29.2) | 0.79 (0.44-1.39) | 0.404 | 6 (3.3) | 8 (7.1) | 1.80 (0.56-5.79) | 0.322 |
|          |          | Negative | 55 (30.2) | 59 (38.8) | 1.46 (0.90-2.37) | 0.128 | 6 (3.3) | 9 (5.9) | 2.38 (0.79-7.19) | 0.126 |
|          | Stage    | I+II   | 55 (30.2) | 65 (36.9) | 1.33 (0.83-2.12) | 0.241 | 6 (3.3) | 9 (5.1) | 2.03 (0.67-6.12) | 0.208 |
|          |          | III    | 55 (30.2) | 27 (30.3) | 0.83 (0.45-1.52) | 0.537 | 6 (3.3) | 8 (9.0) | 2.39 (0.74-7.71) | 0.146 |
|          | Histology | Intestinal | 55 (30.2) | 57 (34.3) | 1.12 (0.69-1.84) | 0.642 | 6 (3.3) | 13 (7.8) | 2.63 (0.90-7.71) | 0.077 |
|          |          | Diffuse | 55 (30.2) | 18 (26.9) | 0.77 (0.40-1.48) | 0.438 | 6 (3.3) | 3 (4.5) | 1.41 (0.33-5.99) | 0.644 |

SNP, single nucleotide polymorphism; PVT1, Plasmacytoma variant translocation 1; GC, gastric cancer; CON, control; AOR, adjusted odds ratio. CI, confidence interval; LNM, lymph node metastasis. *Adjusted for age and gender. *P < 0.05.