Supplementary table 2:Antibodies to type-specific HPV proteins and the risk of lung cancer

| | . ! | Retrospectiv | <u>e Studies</u> | | Study | Prospective Studies | | |
|----------|---------------|--------------------------|-------------------------|------------------|---------------|--------------------------|-------------------------|---------------------|
| HPV | Smoking | | Cases | | heterogeneity | Controls | Cases | |
| antibody | | N (%) | N (%) | | | N (%) | N (%) | |
| HPV16 L1 | Never Ever | 92 (8.8) 113 (6.7) | 33 (15.5) 152 (10.7) | | 0.08 0.05 | 132 (20.9) 190 (20.3) | 41 (19.9) 293 (23.9) | - |
| HPV16 E6 | Never Ever | 10 (1.0) 16 (1.0) | 4 (1.9) 19 (1.3) | | 0.85 0.52 | 3 (0.5) 6 (0.6) | 1 (0.5) 18 (1.5) | |
| HPV16 E7 | Never Ever | 36 (3.4) 80 (4.8) | 19 (8.9) 105 (7.4) | - | 0.003 0.06 | 69 (10.9) 104 (11.1) | 15 (7.3) 137 (11.2) | - - |
| HPV18 L1 | Never Ever | 129 (12.3) 164 (9.8) | 29 (13.6) 204 (14.4) | - | 0.29 0.12 | 105 (16.6) 153 (16.3) | 25 (12.1) 222 (18.1) | |
| HPV18 E6 | Never Ever | 7 (0.7) 16 (1.0) | 4 (1.9) 18 (1.3) | - | 0.28 0.82 | 10 (1.6) 18 (1.9) | 5 (2.4) 25 (2.0) | + |
| HPV 18E7 | Never Ever | 7 (0.7) 11 (0.7) | 6 (2.8) 13 (0.9) | | 0.19 0.94 | 8 (1.3) 11 (1.2) | 3 (1.5) 21 (1.7) | |
| HPV31 L1 | Never Ever | 79 (7.6) 95 (5.7) | 20 (9.4) 94 (6.6) | + | 0.57 0.13 | 28 (4.4) 48 (5.1) | 8 (3.9) 50 (4.1) | - |
| HPV31 E6 | Never Ever | 9 (0.9) 15 (0.9) | 5 (2.4) 28 (2.0) | | 0.49 0.16 | 14 (2.2) 26 (2.8) | 7 (3.4) 35 (2.9) | + |
| HPV31 E7 | Never Ever | 10 (1.0) 30 (1.8) | 11 (5.2) 28 (2.0) | | 0.001 0.24 | 14 (2.2) 17 (1.8) | 2 (1) 37 (3.0) | |
| HPV6 L1 | Never Ever | 218 (20.8) 416 (24.8) | 60 (28.2) 493 (34.8) | + | 0.44 0.06 | 45 (7.1) 93 (20) | 16 (7.8) 153 (22.8) | |
| HPV6 E6 | Never Ever | 3 (0.3) 6 (0.4) | 2 (0.9) 4 (0.3) | | 0.47 0.27 | 4 (0.6) 15 (3.1) | 2 (1) 30 (4.4) | |
| HPV6 E7 | Never Ever | 3 (0.3) 8 (0.5) | 3 (1.4) 10 (0.7) | | 0.002 0.49 | 28 (4.4) 33 (6.9) | 1 (0.5) —— 45 (7.2) | |
| HPV11 L1 | Never Ever | 68 (6.5) 87 (5.2) | 27 (12.6) 95 (6.7) | <u> </u> | 0.15 0.63 | 50 (7.9) 90 (19.8) | 17 (8.3) 146 (22.9) | - |
| HPV11 E6 | Never Ever | 13 (1.2) 9 (0.5) | 6 (2.8) 24 (1.7) | | 0.05 0.04 | 19 (3.2) 23 (4.8) | 5 (2.4) 33 (5.0) | - |
| HPV11 E7 | Never Ever | 5 (0.5) 11 (0.7) | 4 (1.9) 19 (1.3) | | 0.03 0.28 | 7 (1.1) 12 (2.3) | 3 (1.5) 20 (3.0) | |
| | | | 0.2 | 1.0 5.0 2 OR* | 0.0 | | 0.01 | 0.1 1.0 10.0 OR* |

^{*}ORs were adjusted for age, sex, country and smoking. Corresponding HPV seronegative category was considered the reference