**Supplementary table 2**

Selected risk variants for the polygenic risk score (PRS) of lung cancer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Locus** | **RSID** | **Chr** | **Position (hg19)** | **Risk allele** | **RA**  **F** | **Weight**  **(beta)** | **P-**  **value** |
|  |  |  |  |  | 0. |  | 3.25E- |
| 1p31.1 | rs71658797 | 1 | 77967507 | A | 10 | 0.128 | 11 |
|  |  |  |  |  | 0. |  | 1.25E- |
| 3q28 | rs13080835 | 3 | 189357199 | G | 51 | 0.057 | 06 |
|  |  |  |  |  | 0. |  | 1.01E- |
| 5p15.33 | rs7705526 | 5 | 1285974 | A | 34 | 0.117 | 18 |
|  |  |  |  |  | 0. |  | 2.66E- |
| 5p15.33 | rs2853677 | 5 | 1287194 | G | 42 | 0.111 | 18 |
|  |  |  |  |  | 0. |  | 2.68E- |
| 5p15.33 | rs465498 | 5 | 1325803 | A | 58 | 0.141 | 32 |
|  |  |  |  |  | 0. |  | 3.47E- |
| 6p21.33 | rs3115672 | 6 | 31727897 | T | 10 | 0.166 | 18 |
|  |  |  |  |  | 0. |  | 1.29E- |
| 6q27 | rs6920364 | 6 | 167376466 | C | 46 | 0.068 | 08 |
|  |  |  |  |  | 0. |  | 5.88E- |
| 8p12 | rs4236709 | 8 | 32410110 | G | 22 | 0.064 | 06 |
|  |  |  |  |  | 0. |  | 1.69E- |
| 8p21.2 | rs11780471 | 8 | 27344719 | G | 94 | 0.141 | 08 |
|  |  |  |  |  | 0. |  | 2.13E- |
| 9p21.3 | rs885518 | 9 | 21830157 | G | 10 | 0.088 | 06 |
|  |  |  |  |  | 0. |  | 6.02E- |
| 9p21.3 | rs62560775 | 9 | 22052068 | G | 10 | 0.100 | 07 |
|  |  |  |  |  | 0. |  | 1.92E- |
| 11q23.3 | rs1056562 | 11 | 118125625 | T | 48 | 0.066 | 08 |
|  |  |  |  |  | 0. |  | 6.10E- |
| 12p13.33 | rs7953330 | 12 | 998819 | G | 69 | 0.087 | 12 |
|  |  |  |  |  | 0. |  | 6.12E- |
| 13q13.1 | rs11571833 | 13 | 32972626 | T | 01 | 0.472 | 16 |
|  |  |  |  |  | 0. |  | 2.83E- |
| 15q21.1 | rs66759488 | 15 | 47577451 | A | 36 | 0.068 | 08 |
|  |  |  |  |  | 0. |  | 1.00E- |
| 15q21.1 | rs77468143 | 15 | 49376624 | T | 75 | 0.083 | 09 |
|  |  |  |  |  | 0. |  | 3.10E- |
| 15q25.1 | rs55781567 | 15 | 78857986 | G | 37 | 0.260 | 103 |
|  |  |  |  |  | 0. |  | 2.91E- |
| 15q25.1 | rs8042374 | 15 | 78908032 | A | 78 | 0.232 | 60 |
|  |  |  |  |  | 0. |  | 5.02E- |
| 19q13.2 | rs56113850 | 19 | 41353107 | C | 56 | 0.123 | 19 |

Note: Weight and p-value were reported from study PMCID: PMC5510465. RAF: risk allele frequency.