**Supplementary Table S2: SNPs Selected from Initial Screening Stratified by Smoking Status**a

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **SNP** | **Gene**b | **PPI**c |
| **Current Smokers** | rs234702 | *CBS* | 0.87 |
|  | rs1051319 | *CBS* | 0.48 |
|  | rs2174147 | *MTRR* | 0.39 |
|  | rs2658161 | *MTRR* | 0.41 |
|  | rs6893114 | *MTRR* | 0.84 |
|  | rs906087 | *MTRR* | 0.37 |
|  | rs2940556 | *MTRR* | 0.48 |
|  | rs921186 | *MTRR* | 0.52 |
|  | Rs7730643 | *MTRR* | 0.41 |
|  | rs11868708 | *SHMT1* | 0.39 |
|  | rs2273026 | *SHMT1* | 0.43 |
|  | rs16948305 | *TYMS* | 0.65 |
| **Former Smokers** | rs12613 | *CBS* | 0.4 |
|  | rs234702 | *CBS* | 0.44 |
|  | rs9974224 | *CBS* | 0.74 |
|  | rs17375901 | *MTHFR* | 0.57 |
|  | rs2184226 | *MTHFR* | 0.42 |
|  | rs4659723 | *MTR* | 0.36 |
|  | rs876712 | *MTRR* | 0.51 |
|  | rs2658161 | *MTRR* | 0.37 |
|  | rs13170530 | *MTRR* | 0.5 |
|  | rs1823809 | *MTRR* | 0.6 |
|  | rs11134290 | *MTRR* | 0.35 |
|  | rs2129952 | *MTRR* | 0.49 |
|  | rs446249 | *MTRR* | 0.53 |
|  | rs16948305 | *TYMS* | 0.59 |
| **Never Smokers** | rs706209 | *CBS* | 0.39 |
|  | rs12613 | *CBS* | 0.44 |
|  | rs2124458 | *CBS* | 0.47 |
|  | rs6586281 | *CBS* | 0.64 |
|  | rs6696752 | *MTHFR* | 0.52 |
|  | rs2184226 | *MTHFR* | 0.68 |
|  | rs12121543 | *MTHFR* | 0.56 |
|  | rs2066462 | *MTHFR* | 0.63 |
|  | rs1801133 | *MTHFR C677T* | 0.47 |
|  | rs13306567 | *MTHFR* | 0.37 |
|  | rs17037390 | *MTHFR* | 0.37 |
|  | rs9651118 | *MTHFR* | 0.58 |
|  | rs7730643 | *MTRR* | 0.69 |
|  | rs3776467 | *MTRR* | 0.36 |
|  | rs2174147 | *MTRR* | 0.36 |
|  | rs2961994 | *MTRR* | 0.58 |
|  | rs13162612 | *MTRR* | 0.94 |
|  | rs876712 | *MTRR* | 0.38 |
|  | rs2924471 | *MTRR* | 0.96 |
|  | rs10475407 | *MTRR* | 0.47 |
|  | rs731099 | *MTRR* | 0.39 |
|  | rs11134290 | *MTRR* | 0.49 |
|  | rs10512948 | *MTRR* | 0.47 |
|  | rs2168781 | *SHMT1* | 0.43 |
|  | rs2853533 | *TYMS* | 0.44 |
|  | rs16948305 | *TYMS* | 0.46 |

a without nutrition variables

b SNPs located within 500kb of given gene

c PPI = Posterior probability of inclusion