

Supplementary Table 10. Frequency of *DICER* and *DROSHA* genotype combinations predicted by multidimensional reduction in ischemic stroke cases and controls

| Genotype | Controls (n=403) | Case (n=585) | AOR (95% CI)* | P [†] | P [‡] |
|--|------------------|--------------|---------------------|----------------|----------------|
| <i>DICER</i> rs13078 A>T/ <i>DICER</i> rs3742330 A>G | | | | | |
| AA/AA | 123 (30.5) | 152 (26.0) | 1.000 (reference) | | |
| AA/AG | 165 (40.9) | 243 (41.5) | 1.139 (0.821–1.580) | 0.435 | 0.435 |
| AA/GG | 70 (17.4) | 132 (22.6) | 1.351 (0.911–2.002) | 0.134 | 0.179 |
| AA/AG+GG | 237 (58.8) | 375 (64.1) | 1.209 (0.892–1.639) | 0.220 | 0.251 |
| AT/AA | 25 (6.2) | 17 (2.9) | 0.546 (0.273–1.092) | 0.087 | 0.139 |
| AT/AG | 15 (3.7) | 34 (5.8) | 1.881 (0.958–3.695) | 0.067 | 0.139 |
| AT/AG+GG | 18 (4.5) | 38 (6.5) | 1.748 (0.930–3.285) | 0.083 | 0.139 |
| AT+TT/AA | 25 (6.2) | 17 (2.9) | 0.546 (0.273–1.092) | 0.087 | 0.139 |
| AT+TT/AG | 15 (3.7) | 37 (6.3) | 2.033 (1.044–3.961) | 0.037 | 0.139 |
| <i>DROSHA</i> rs6877842 C>T/ <i>DROSHA</i> rs10719 T>C | | | | | |
| CC/TT | 206 (51.1) | 281 (48.0) | 1.000 (reference) | | |
| CC/TC | 148 (36.7) | 221 (37.8) | 1.083 (0.812–1.445) | 0.587 | 0.587 |
| CC/CC | 17 (4.2) | 46 (7.9) | 2.005 (1.093–3.678) | 0.025 | 0.125 |
| CC/TC+CC | 165 (40.9) | 267 (45.6) | 1.177 (0.893–1.553) | 0.248 | 0.587 |
| CG/TT | 21 (5.2) | 22 (3.8) | 0.788 (0.410–1.514) | 0.474 | 0.587 |
| CG+GG/TT | 22 (5.5) | 23 (3.9) | 0.787 (0.415–1.491) | 0.462 | 0.587 |

Values are presented as number (%). Combinations with frequencies of less than 5% in cases and controls are not shown.

AOR, adjusted odds ratios; CI, confidence interval.

*Odds ratio adjusted for age, sex, hypertension, diabetes mellitus, hyperlipidemia, and smoking status; [†]P-value calculated by logistics regression analysis; [‡]P-value calculated by false discovery rate test.