**Table S1.**

**Baseline Characteristics of the controls and ischemic stroke patients from HM cohort**. Univariate analysis of LUMA methylation as continuous variable and quartile categories. Ischemic stroke (IS). Controls were taken as reference in methylation quartiles.

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables** | **Controls n=99** | **IS n=281** | **p** |
| **Age (mean, SD)** | 66 (19) | 72 (10) | 0.10 |
| **Sex, female** | 51 (52%) | 114 (41%) | 0.06 |
| **Diabetes Mellitus** | 18 (20%) | 104 (37%) | 0.002 |
| **Hyperlipidemia** | 31 (33%) | 128 (46%) | 0.04 |
| **Hypertension** | 47 (50%) | 199 (71%) | <0.001 |
| **Current smoking** | 18 (19%) | 67 (24%) | NS |
| **Coronary disease** | 8 (10%) | 40 (15%) | NS |
| **Atrial fibrillation** | 5 (5%) | 92 (33%) | <0.001 |
| **Methylation %****(median, IQR)** | 75.1 (73.5-76.6) | 74.5 (71.8-76.2) | 0.008 |
| **Methylation****(quartiles, n)** | 80.0- 76.6 25 (25%)76.6- 75.1 24 (25%)75.4- 73.5 25 (25%)73.5- 65.4 25 (25%) | 51 (18%)62 (22.1%)56 (20%)112(40%) | 0.017 |