

## SUPPLEMENTARY DATA

### **Supplementary Data 1. List of comprehensive stroke gene panel consisted of known 46 hereditary stroke causative gene.**

ABCC6, ACTA2, ACVRL1, APP, ATP1A2, CACNA1A, CCM2, COL3A1, COL4A1, COL4A2, ENG, FOXC1, GLA, GUCY1A1, HTRA1, KRIT1, NOTCH3, PDCD10, RASA1, RNF213, SAMHD1, SLC2A10, SMAD4, TREX1, YY1AP1, ADA2, ANGPTL6, ATR, CBL, CBS, CEP152, CHD4, CNOT3, EPHB4, FLVCR2, GDF2, HBB, IRAG1, MYH11, NF1, PCNT, PKD1, PKD2, SETD5, SMAD9, THSD1