**Supplementary Table 1.** Causative/potential causative genes of AMC.

| ACTA1 | ADAMS10 | ADAMTS12 | ADCY6 | ADGRG6 | ADSL | AKT1 |
|-------|---------|----------|-------|--------|------|------|
| ANTXR2 | AP1S2 | ARX | ASXL1 | ATRX | B3GAT3 | BIN1 |
| CANT1 | CASK | CATSAL | CATSHL | CD96 | CHAT | CHRNA1 |
| CHRN81 | CHRN8D | CHRN8E | CHRN8F | CHST14 | CMG2 | CNTN1 |
| CNTNAP1 | COFS | COL1A1 | COL1A2 | COL1A5 | COL2A1 | COL6A1 |
| COL6A2 | COL6A3 | COL7A1 | COLEC10 | COLEC11 | CRLF1 | DCX |
| DHCR7 | DNNM2 | DOK7 | DRG2 | DTDST | DYM | EBP |
| ECEL1 | EIF2S3 | EMG1 | ERBB3 | ERCC1 | ERCC2 | ERCC5 |
| ERCC6 | ERG2 | ESCO2 | FBN1 | FBN2 | FCMD | FGD1 |
| FGF9 | FGFR1 | FGFR2 | FGFR3 | FHL1 | FKBP10 | FKR |
| FKTN | FLNA | FLNB | FLVCR2 | GBA | GDF5 | GJA1 |
| GLE1 | GLI3 | GLRA1 | GLRB | GPC3 | GRUL3 | HOXA13 |
| HOXD13 | HSPG2 | IMPAD1 | INSR | IRF6 | KAT6B | KCNA1 |
| KIAA0196 | KIF7 | LARGE | LICAM | LIS1 | LMB1 | LMX1B |
| MASP1 | MED12 | MHS3 | MMP2 | MNX1 | MPZ | MTM1 |
| MUSK | MYBPC1 | MYH3 | MYH8 | NEB | NF1 | NOG |
| NSD1 | OFD1 | PAFAH1B1 | PAX3 | PEOH | PEX1 | PEX12 |
| PEX14 | PEX2 | PEX26 | PEX3 | PEX5 | PEX6 | PEX7 |
| PFKM | PIEZO2 | PIK5KC | PLOD1 | PLOD2 | PM11 | PMM2 |
| PMP22 | PMPK | POMGNT1 | POMT1 | POMT2 | POR | PRG4 |
| PRX | PTDSS1 | PTHR | PTLAH | RAB18 | RAB3GAP1 | RAB3GAP2 |
| RAPSN | RBM10 | RELN | RET | RIPK4 | RNASEH2A | RNASEH2B |
| RNASEH2C | RYR1 | SAMHD1 | SCARF2 | SELENON | SEPN2 | SETBP1 |
| SHO9X | SLC05A1 | SLC2A4 | SLC9A6 | SLC05A1 | SMARCAD1 | SMN |
| SOX9 | SULF1 | SYNE1 | TARP | TBX22 | TBX5 | TNN12 |
| TNN13 | TPM2 | TPM3 | TRX1 | TRPV4 | TSC1 | TSC2 |
| UBA1 | UBE1 | UPK3A | VIPAR | VPS33B | WNT7A | ZBTB42 |
| ZC4H2 | ZIC3 |