**Supplementary Table 1.** The gene list of heterozygous shared variants between twins and their mother

| Gene name       |
|-----------------|
| ANKRD27         |
| AOX1            |
| ATIC            |
| BCL6B           |
| BST1            |
| C1ORF109        |
| CACYBP          |
| CCDC146         |
| CDH17           |
| CEP192          |
| CERCAM          |
| COL5A3          |
| COL7A1          |
| DDX41           |
| DPY19L4         |
| EYA4            |
| FOXK2           |
| FPGLTNNI3       |
| K GNA11         |
| HBEGF           |
| KCNJ5           |
| KCNU1           |
| LRRCC48         |
| M1AP            |
| MACF1           |
| MESP2           |
| MESP2           |
| MGA             |
| MRPS27          |
| MST1L           |
| MUC4            |
| NCOR1           |
| NFE2L2          |
| OBSCN           |
| OR10A2          |
| OR2Y1           |
| PKHD1L1         |
| POMC RBL1       |
| TLE1            |
| TMEM200A        |
| TMEM50A         |
| TTN             |
| UNC13C          |
| UNC13D          |
| UNC13D          |
| ZNF414          |
| ZNF683          |