**Table S3: Incidental findings (n = 3)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Gene** | **Diagnosis** | **Variant type** | **Variant** | **Zygosity** | **Inheritance** | **ACMG classification** | **Recommendation of medical management** |
| 4 | *TRPM4*(NM\_017636.3) | progressive familial heart block Typ IB (MIM#604559) | Missense | c.1550C>T[p.(Pro517Leu)] , maternalc.3226G>A[p.(Ala1076Thr)], paternal | Compound heterozygous | AD | VUS /VUS | Reverse phenotypingCardiovascular monitoringSegregation of family members |
| 8 | *COL4A5*(NM\_000495.4) | Alport Syndrom(MIM#301050) | Missense | c.530G>T[p.(Gly177Val)], maternal | Hemizygous | XLD | LP | Reverse phenotypingNephrological diagnostic for family membersConfirmation of Alport Syndrome in the mother |
| 42 | *CACNA1C*(NM\_199460.2) | Long QT syndrome 8(MIM#618447) | Missense | c.5509A>C[p.(Ser1837Arg)] |  Homozygous | AD | VUS | Reverse phenotypingCardiological surveillance, Cardiological examination and Segregation in family members  |

Abbreviations: AR, autosomal-recessive; AD, autosomal-dominant; LP, likely pathogenic; VUS, variant of uncertain significance; XLD, X-linked dominant. MIM gene number from Online Mendelian inheritance in Man (Omim; [www.omim.org](http://www.omim.org))