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| **Supplementary File 3. List of SNPs, In-Dels and CNVs of three children from whole genome sequencing** |
|  | **SNP** | **In-Dels** | **CNVs** |
| **Subject** | **Located on ID-related genes** | **Predicted as pathogenic by clinVar** | **Pathogenic mutations** | **Located on ID-related genes** | **Predicted as pathogenic by clinVar** | **Pathogenic mutations** | **Located on ID-related genes** | **Predicted as pathogenic by clinVar** | **Pathogenic mutations** |
| Child 1 | 3655 | 0 | 0 | 39 | 0 | 0 | 2 | 30 | 0 |
| Child 2 | 3687 | 1 | 1a | 39 | 0 | 0 | 2 | 29 | 0 |
| Child 3 | 3564 | 0 | 0 | 11 | 0 | 0 | 1 | 27 | 0 |

a One heterozygou nonsynonymous SNP in RAF1 which may cause cardiomyopathy dilated