



**Supplementary Figure 2. Indications for the complex structural variant in *DMD* found in short- and long-read whole *DMD* gene sequencing. (A) An integrative genomics viewer (IGV) screenshot of short-read whole *DMD* gene sequencing showing that there was one pair of reads indicating a possible inversion involving exons 8–51 (indicated in the red pair-reads; patient track). No short reads indicating possible disease-causing structural variants were found in a healthy control track. (B) An IGV screenshot of long-read whole *DMD* gene sequencing showing 10 reads (not fully presented in the IGV screenshot) indicating a possible inversion involving exons 8–51**

(indicated in the colorful reads with black frame; patient track). No long reads indicating possible disease-causing structural variants were found in a healthy control track.