

**Figure legend****Supplemental Figure S1**

Alignment of *DUX4-fl* transcript sequences (indicated by arrows) expressed in DKO, with publicly annotated *DUX4* transcripts on the UCSC genome browser. Top and bottom panels show transcripts with and without intron 1, respectively. Product sizes are indicated on top of each image. Images are screenshots adapted from output obtained by submitting query sequence using the BLAT tool at www.genome.ucsc.edu.