**Supplemental Figure 2. Identifying the boundaries of the WDP deletion**

Initial amplification using Amplicon 1 (Amplicon1 in Table S4) suggested that exon 7 is the location of the mutation in WDPs (not shown). The reverse primer for set 1 is in the deleted region (above) and only a product of an incorrect size was amplified in WDP samples and was shown to be an off-target amplification product by sequencing. Exon 7 in SDPs, on the other hand, amplified and sequenced as expected. Subsequent amplicons (2 and 3) downstream of exon 7 amplified in SDPs but not in WDPs. Starting much further downstream (~16,200 downstream of Amplicon1), primer sets were designed decreasing distances from exon 7 (i.e. back towards *SLC45A2*). Amplicon 8 was the closest to exon 7 that successfully amplified. Finally, using the F primer from Amplicon1 and R primer from Amplicon8, a product was amplified and the deletion breakpoints were identified. Primer sequences and amplicon sizes are listed in Table S4.

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