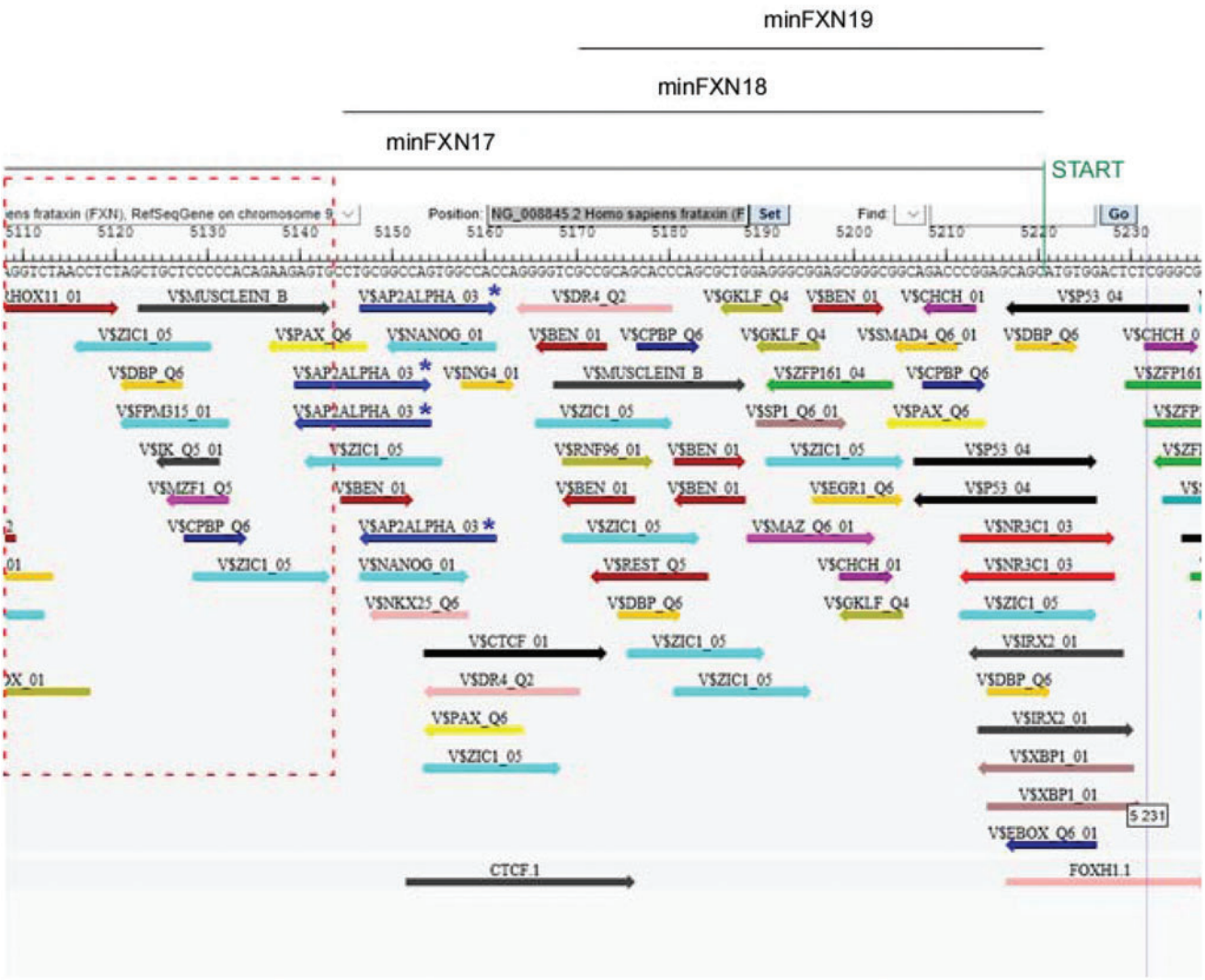

Supplementary Figure S2. Prediction of transcription factors binding to the 110 bp region upstream of the FXN ATG start site (indicated in *green*) using the TRANSFAC program (GeneXplain GmBH, ver 2019.2). Length of the DNA sequence upstream of the ATG present in miniFXN 17 (115 bp), 18 (74 bp), and 19 (36 bp). A 41 bp region critical for FXN expression is indicated by a *dashed box*. Putative recognition sites for TFAP2 (AP2alpha) are indicated as dark *blue arrows* and *asterisks*.