



**Supplemental Fig. S1. IGV screenshots of repeat expansions in *BEAN1* and *DAB1*.**

Waterfall plots of LR-AS reads aligned to the *DAB1* and *BEAN1* loci in the three samples with largest Straglr allele sizes. The nonpathogenic reference motif is shown in blue on all plots; the pathogenic motif at each locus is depicted in orange if present.