	Estimated Genotype					
		adVNTR			ExpansionHunter	
VNTR	AJ Child	AJ Mother	AJ Father	AJ Child	AJ Mother	AJ Father
DRD4	4/5	4/5	4/4	-/-	-/-	-/-
ZFHX3	4/4	4/4	4/4	3/3	-/-	3/3
GP1BA	2/5	2/3	3/4	2/2	1/1	2/2
SLC6A4	13/13	11/13	13/13	-/-	-/-	-/-
MMP9	3/3	3/3	3/3	-/-	-/-	-/-
CSTB	2/2	2/2	2/2	3/3	2/2	1/1
MAOA	5/5	4/5	4/4	-/-	-/-	-/-

Table S5: **Genotyping comparison on AJ trio using Illumina reads from GIAB.** Table shows the genotype found by adVNTR and ExpansionHunter in disease causing VNTRs that are shorter than Illumina reads. -/- denotes ExpansionHunter has not found any genotype for the VNTR. It worths mentioning the genotypes found by adVNTR for *MAOA* are not inconsistent as this VNTR is located on ChrX and the son has haploid RU counts inherited from mother.