## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Sequencing and assembly of reference genomes

File Name: Supplementary Data 2

Description: VNTR boundary annotations for 73k loci

File Name: Supplementary Data 3

Description: Functional and disease relevance of unstable loci

File Name: Supplementary Data 4

Description: eVNTR discoveries over 32k VNTR loci

File Name: Supplementary Data 5

Description: eVNTR discoveries over 73k VNTR loci

File Name: Supplementary Data 6
Description: eVNTR discoveries README

File Name: Supplementary Data 7 Description: VNTR statistics (32k)

File Name: Supplementary Data 8 Description: VNTR statistics (73k)

File Name: Supplementary Data 9
Description: VNTR statistics README