



Figure S8: **Validation of adVNTR genotyping on short VNTRs.** In experiment for *C14orf180* the primers were repeated in another region of genome which resulted in having extra band. Even with zero copy of VNTR patterns, the distance of primers around VNTR is 238bp which means the extra band (~100bp) is resulted from another region of genome. Also, PCR amplification failed for *STK39* and no band is visible. Results of all other 10 experiments are consistent with adVNTR's estimates.