



**Supplemental figure 1. Differentiation of 4q35 and 10q26 terminal regions by SMOM.** BssS1 profiles of the homologous 4q35 and 10q26 telomeric regions. The proximal chromosome segments are unique and distinguish 4q35 from 10q26 whereas the distal region with D4Z4/D4Z4-like repeats are highly similar. The haplotype of the hg19 reference sequence is 4qB D4Z4(8).