

Diagnosis and management of adult telomere biology disorders

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Supplementary material

Table 1S: *In-house designed Telomere Biology Disorder somatic panel.* Mayo Clinic TBD research NGS panel including adaptive and maladaptive clonal hematopoiesis variants with error correction. This panel covers all exons and relevant promoter regions (i.e. *TERT*) with a read depth between 5000X to 7000X.

Telomere Biology Disorder somatic panel genes

<i>ACD</i>	<i>DNMT3A</i>	<i>NOP10</i>	<i>RTEL1</i>	<i>TEN1</i>	<i>USB1</i>
<i>ASXL1</i>	<i>ETV6</i>	<i>NPM1</i>	<i>RUNX1</i>	<i>TERC</i>	<i>WRAP53</i>
<i>ATRX</i>	<i>EZH2</i>	<i>NRAS</i>	<i>SETBP1</i>	<i>TERF1</i>	<i>ZC3H18</i>
<i>BCOR</i>	<i>GATA1</i>	<i>PABPN1</i>	<i>SF3B1</i>	<i>TERF2</i>	<i>ZCCHC8</i>
<i>CBL</i>	<i>IDH1</i>	<i>PAPD5</i>	<i>SH2B3</i>	<i>TERT</i>	<i>ZRSR2</i>
<i>CHEK2</i>	<i>IDH2</i>	<i>PARN</i>	<i>SKIV2L2</i>	<i>TET2</i>	
<i>CTC1</i>	<i>MDM4</i>	<i>PIK3CA</i>	<i>SMC1A</i>	<i>TINF2</i>	
<i>DAXX</i>	<i>MXRA5</i>	<i>POT1</i>	<i>SRSF2</i>	<i>TP53</i>	
<i>DIS3</i>	<i>NAF1</i>	<i>PPM1D</i>	<i>STAG2</i>	<i>TPP1</i>	
<i>DKC1</i>	<i>NHP2</i>	<i>RBM7</i>	<i>STN1</i>	<i>U2AF1</i>	
