

Table S1. Genomic coordinates of the amplicons used for the analysis of the 15 genes included in the UMpanel (reference sequence: hg19/grch37)

Gene	Genomic coordinates (start - stop)	Sequenced Regions
<i>BAP1</i>	chr3: 52436229-52443912	All coding exons \pm 10bp
<i>CDKN2A</i>	chr9: 21968185-21994373	All coding exons \pm 10bp
<i>CENPE</i>	chr4: 104027367-104119529	All coding exons \pm 10bp
<i>FOXO1</i>	chr13: 41133599-41240372	All coding exons \pm 10bp
<i>HIF1A</i>	chr14: 62162449-62213826	All coding exons \pm 10bp
<i>RPL5</i>	chr1: 93297641-93307456	All coding exons \pm 10bp
<i>SRSF2</i>	chr17: 74732194-74733315	All coding exons \pm 10bp
<i>TP53</i>	chr17: 7572852-7579924	All coding exons \pm 10bp
<i>BRAF</i>	chr7: 140453086-140453170	Exon 15
<i>CYSLTR2</i>	chr13: 49281338-49281421	Exon 1
<i>EIF1AX</i>	chrX: 20159723-20160019	Exon 1 \pm 10bp
<i>EIF1AX</i>	chrX: 20156571-20156757	Exon 2 \pm 10bp
<i>GNA11</i>	chr19: 3118930-3119014	Exon 5
<i>GNA11</i>	chr19: 3114958-3115053	Exon 4
<i>GNAQ</i>	chr9: 80409479-80409558	Exon 5
<i>GNAQ</i>	chr9: 80412414-80412506	Exon 4
<i>PLCB4</i>	chr20: 9389675-9389758	Exon 20
<i>SF3B1</i>	chr2: 198267435-198267521	Exon 14