

**S1 Table.** Somatic mutations and copy number alterations detected on ctDNA analysis and their corresponding allele frequencies and copy numbers

<b>Variants</b>	<b>21/06</b>	<b>22/01</b>	<b>22/02</b>	<b>22/04</b>	<b>22/07</b>
<i>BRCA1</i> p.E1446*	6.68%	0.23%	0.24%	19.16%	10.48%
<i>BRCA1</i> p.E1446L	-	-	-	1.46%	0.08%
<i>BRCA1</i> p.S1436_S1448del	-	-	-	0.25%	-
<i>BRCA1</i> p.E1446Y	-	-	-	0.05%	-
<i>BRCA1</i> p.E1446Q	-	-	-	0.01%	0.45%
<i>ESR1</i> p.L536H	-	0.05%	-	5.95%	5.97%
<i>ATM</i> p.E2493*	-	0.11%	0.16%	-	0.04%
<i>CDK12</i> p.L391Vfs*42	-	-	-	0.50%	0.45%
<i>PDGFRA</i> p.G313D	-	-	-	0.34%	0.10%
<i>PDGFRA</i> p.S56R	-	-	0.04%	0.04%	0.20%
<i>NFE2L2</i> p.Y226F	-	-	-	0.22%	0.03%
<i>TSC2</i> p.E787Dfs*30	0.81%	-	-	0.11%	0.06%
<i>RBI</i> c.1695+2T>A	-	0.01%	-	0.07%	0.26%
<i>TP53</i> p.E68Lfs*48	-	-	-	0.02%	0.10%
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