Table S2: Patients carrying two deleterious varians

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| --- | --- | --- | --- | --- | --- | --- |
| patient ID | Gene | genomic coordinates (hg19) | HGVS (nucleotide)a | HGVS (protein)b | HGMDc | detection methodd |
| 1 | *ATM* | Chr11:108155008-108155009 | c.3801\_3802del(G)2insG | p.V1268\*fs | CD961800 | NGS |
| *PALB2* | Chr16:23647109-23647112 | c.755\_758del(CT)2insCT | p.L253Ifs\*3 | CD070515 | NGS |
| 2 | *BRIP1* | Chr17:59820496 | c.2258-1G>A | / | / | NGS |
| *CHEK2* | Chr22:29091857 | c.1100delC | p.T367Mfs\*15 | CD993415 | NGS |
| 3 | *BRCA2* | Chr13:32920978 | c.6952C>T | p.R2318\* | CM993643 | NGS |
| *FANCM* | Chr14:45658326 | c.5101C>T | p.Q1701\* | CM147953 | NGS |
| 4 | *BRCA2* | Chr13:32907419-32907420 | c.1804\_1805del(G)2insG | p.G602Efs\*12 | CD113845 | NGS |
| *RAD50* | Chr5:131930560 | c.1794-1G>T | / | / | NGS |
| 5 | *BRCA2* | Chr13:32912338-32912339 | c.3846\_3847delTG | p.V1283Kfs\*2 | CD961852 | NGS |
| *FANCM* | / | c.5717-?\_6147+? | p.(G1906\_I2048delins46) | / | aCGH, CNV-tool |
| 6 | *BRCA2* | Chr13:32914438 | c.5946delT | p.S1982Rfs\*22 | CD961857 | NGS |
| *BUB1B* | Chr15:40512778 | c.2971G>T | p.E991\* | / | NGS |
| 7 | *BRCA1* | Chr17:41209080-41209082 | c.5264\_5266del(C)3ins(C)4 | p.Q1756Pfs\*74 | CI941841 | NGS |
| *XRCC2* | Chr7:152357811-152357813 | c.94\_96del(T)3ins(T)2 | p.F32Lfs\*30 | CD159809 | NGS |
| 8 | *BRCA1* | Chr17:41243844-41243853 | c.3695\_3704del(GTAAA)2insGTAAA | p.V1234Qfs\*8 | CD104365 | NGS |
| *NBN* | Chr8:90983442-90983446 | c.657\_661delACAAA | p.K219Nfs\*16 | CD982819 | NGS |
| 9 | *BRCA1* | Chr17:41244280 | c.3268C>T | p.Q1090\* | CM002244 | NGS |
| *BRCA2* | Chr13:32914759-32914761 | c.6267\_6269delGCAinsC | p.Glu2089Aspfs\*2 | CX972730 | NGS |

Legend to table S2: In the cohort of 523 OC patients, 114 different mutations were identified in a total of 146 patients. 9 out of these 146 patients carried two deleterious heterozygous germline variants. The variants identified in these 9 patients are listed. For each variant, the consequences on nucleotide and protein level according to the HGVS nomenclature (a, b), the HGMD accession number (c), detection method (d) are given.