Supplementary Table 3

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient/Cohort** | **Risk group** | **Site of sampling** | **Chr 3,** based on Chr 3p and 3q | **Chr 3p** | **Chr 3q** | **Chr 8p** | **Chr 8q** | **Chr 6p** | **Chr 1p** | **Chr 1q** | **GNA11** | **GNAQ** | **BAP1** | **EIF1AX** | **SF3B1** | **SRSF2** | **U2AF1** | **TMB (mut/mb)** | **MYC amplification** | **T-cell-quantification**  **(% CD8 of all T cells)** |
| A1 | high | OSS | M3 | total loss | total loss | total loss | three or more copies gain | total gain | no abnormal-ities | total gain | WT | exon 5: c.626A>T; p.Q209L | exon 7: c.485\_488del; p.V162fs | WT | WT | WT | WT | 0,57 | yes |  |
| A2 | low | OTH (soft tissue) | D3 | no abnormal-ities | no abnormal-ities | no abnormal-ities | mixed (partial gains and losses) | partial gain(s) | no abnormal-ities | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | WT | WT | WT | WT | 1,72 | yes (>4x) |  |
| A4 | interm. | LYM | D3 | no abnormal-ities | no abnormal-ities | partial gain(s) | partial three or more copies gain | total gain | no abnormal-ities | partial gain(s) | WT | exon 5: c.626A>C, p.Q209P | WT | WT | WT | WT | WT | 1,72 | yes |  |
| A5 | low | PER | D3 | no abnormal-ities | no abnormal-ities | no abnormal-ities | no abnormal-ities | partial gain(s) | no abnormal-ities | no abnormal-ities | WT | exon 5: c.626A>T; p.Q209L | WT | exon 1: c.5C>T, p.P2L | WT | WT | WT | 1,15 | no |  |
| A6 | Interm. | OSS | mixed | no abnormal-ities | total loss | no abnormal-ities | partial three or more copies gain | total gain | total loss | partial gain(s) | exon 5: c.626A>T; p.Q209L | WT | WT | WT | exon 5: c.1873C>T; p.R625C | WT | WT | 0,57 | yes |  |
| B2 | high | HEP | M3 | total loss | total loss | total loss | total gain | partial gain(s) | total loss | total gain | WT | exon 5: c.626A>T; p.Q209L | exon 13: c.1664\_1685del; p.P555fs | WT | WT | WT | WT | 8,03 | yes | 1-5% (95%) |
| B4 | high | PER | M3 | total loss | total loss | total gain | total gain | total gain | total loss | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | WT | exon 5: c.1873C>T; p.R625C | WT | WT | 2,87 | yes |  |
| B6 | high | HEP | M3 | total loss | total loss | total loss | three or more copies gain | partial gain(s) | allelic imbalance (-) | no abnormal-ities | WT | exon 5: c.626A>C, p.Q209P | exon 6: c.417\_418insCTTG; p.A140fs / exon 4: c.241T>G; p.F81V | WT | WT | WT | WT | 4,01 | yes | 6-10% (50%) |
| B7 | interm. | OTH (soft tissue) | D3 | no abnormal-ities | no abnormal-ities | total gain | total gain | total gain | no abnormal-ities | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | exon 1: c.5C>T, p.P2L | exon 14: c.1997A>C; p.K666T | WT | WT | 1,72 | no |  |
| B8 | high | primary | M3 | total loss | total loss | no abnormal-ities | total gain | partial gain(s) | no abnormal-ities | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | exon 3: c.79del; p.V27fs | WT | WT | WT | WT | 0,57 | yes |  |
| B9 | high | OSS | M3 | total loss | total loss | total gain | three or more copies gain | partial gain(s) | partial loss | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | WT | WT | WT | WT | 1,72 | yes |  |
| C1 | high | HEP | M3 | total loss | total loss | no abnormal-ities | no abnormal-ities | partial gain(s) | total loss | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | exon 2: c.17G>A; p.G6D | WT | WT | WT | 2,87 | no | 6-10% (50%) |
| C2 | high | HEP | allelic imballance LOH | total loss | total loss | total loss | three or more copies gain | total gain | no abnormal-ities | no abnormal-ities | WT | exon 5: c.626A>T; p.Q209L | WT | WT | WT | WT | WT | 1,72 |  |  |
| C4 | high | HEP | M3 | total loss | total loss | total loss | three or more copies gain | partial gain(s) | not informative | not informative | WT | exon 5: c.626A>T; p.Q209L | exon 4: c.203A>G; p.D68G | WT | WT | WT | WT | 1,72 | yes | 6-10% (20%) |
| C6 | high | primary | M3 | total loss | total loss | total gain | total gain | partial gain(s) | total loss | no abnormal-ities | exon 5: c.626A>C, p.Q209P | WT | exon 14: c.1831G>T; p.E611\* | WT | WT | WT | WT | 4,59 | yes |  |
| C8 | high | HEP | M3 | total loss | total loss | total loss | partial three or more copies gain | partial gain(s) | no abnormal-ities | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | exon 3: c.118del; p.Q40fs | WT | WT | WT | WT | 1,72 | yes | 6-10% (50%) |
| C11 | high | OTH (soft tissue) | LOH | LOH | LOH | total gain | partial three or more copies gain | total gain | LOH | total gain | exon 4: c.547C>T; p.R183C | WT | exon 7: c.542\_580+56del; p.F181\_G194delinsW | WT | WT | WT | WT | 0,57 | yes |  |
| C18 | low | HEP | D3 | no abnormal-ities | no abnormal-ities | total gain | total gain | total gain | total loss | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | WT | exon 4: c.208T>C; p.W70R | WT | WT | WT | 2,87 | no |  |
| C19 | high | LYM | M3 | total loss | total loss | no abnormal-ities | total gain | partial gain(s) | no abnormal-ities | no abnormal-ities | exon 5: c.626A>T; p.Q209L | WT | exon 14: c.1768C>T; p.Q590\* | WT | WT | WT | WT | 2,29 | no |  |
| C21 | high | HEP | M3 | total loss | total loss | no abnormal-ities | three or more copies gain | partial gain(s) | no abnormal-ities | total gain | exon 5: c.626A>T; p.Q209L | WT | exon 5: c.260\_287del; p.I87fs | WT | WT | WT | WT | 5,16 | yes | 6-10% (60%) |
| C22 | high | HEP | LOH | LOH | LOH | total loss | total gain | total gain | no abnormal-ities | total gain | WT | exon 5: c.626A>C, p.Q209P | exon 14: c.1816\_1877del; p.A606fs | WT | WT | WT | WT | 4,01 | yes |  |
| C23 | high | HEP | M3 | total loss | total loss | total gain | total gain | no abnormal-ities | total loss | no abnormal-ities | WT | exon 5: c.626A>C, p.Q209P | exon 12: c.1117-6\_1148del; p.E373fs | WT | WT | WT | WT | 3,44 | yes |  |

**Suppl. Tab. 3: Individual patient characteristics.** TMB (mut/mb): tumor mutational burden in mutations per megabase; WT: wild type; D3: disomy chromosome 3; M3: monosomy chromosome 3; Risk groups according to Jager et al 2020 (1): low; intermediate, high; OSS: osseous; PUL: pulmonary; HEP: hepatic; LYM: lymphonodal; OTH: other.