**Table EV2**. **Triple negative and HER2+ breast tumors.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Specimen ID** | **Patient Age** | **Tumor Type** | **Tumor Size (mm)** | **Grade** | ***BRCA1* Mutation** | **HER2 Amplification\***  **HER2, CEP17 (ratio)** |
| TN-0126­­­ | 64 | TNBC | 64 | 3 |  |  |
| TN-0135 | 61 | TNBC | 22 | 3 |  |  |
| TN-0106 | 65 | TNBC | 25 | 3 |  |  |
| TN-0114-T2 | 84 | TNBC | 17 | 3 |  |  |
| TN-B1-4031 | 25 | TNBC (BRCA1) | 20 | 3 | c.4484G>T |  |
| TN-B1-0131 | 84 | TNBC (BRCA1) | 25 | 3 | c.1252G>T |  |
| TN-B1-0554 | 29 | TNBC (BRCA1) | 37 | 3 | c.5382\_5383ins C |  |
| TN-B1-0177 | 30 | TNBC (BRCA1) | 13 | 3 | c.4184del4 in exon 11 |  |
| HER2-0308 | 32 | HER2 amplified | 20 | 3 |  | 9.4, 1.5 (6.3) |
| HER2-0337 | 66 | HER2 amplified | 67 | 3 |  | 35.2, nd (nd) |
| HER2-0031 | 47 | HER2 amplified | 18 | 3 |  | 14.65, 1.5 (9.77) |
| HER2-0069 | 71 | HER2 amplified | 27 | 3 |  | 22.95, 2.2 (10.4) |
| HER2-0161 | 80 | HER2 amplified | 45 | 3 |  | 24.6, 1.7 (14.5) |
| HER2-0176 | 60 | HER2 amplified | 20 | 3 |  | 19.2, 1.8 (10.8) |

\*Shown are copy number for HER2, Chromosome Enumeration Probe 17 (CEP17) and (HER2/CEP17 ratio)

nd, not done.