**Table EV3**. **ER+ tumors and matched involved lymph node specimens.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Specimen ID** | **Patient Age** | **Tumor Type** | **Tumor Histology** | **ER Expression** | **Grade** | **Tumor Size (mm)** |
| ER-0319 | 58 | PR+ | Invasive ductal carcinoma NST | ERlo; PR10% 2+ | 3 | 27 |
| ER-0001 | 58 | ER+ | Invasive ductal carcinoma NST | >90% 3+ | 3 | 32 |
| ER-0125 | 45 | ER+ | Invasive ductal carcinoma NST | 60% 2+ | 2 | 48 |
| ER-0360 | 70 | ER+ | Invasive lobular carcinoma | 100% 3+ | 2 | 50 |
| ER-0114-T3 | 84 | ER+ | Invasive ductal carcinoma NST | >95% 3+ | 1 | 20 |
| ER-0032 | 55 | ER+ | Invasive ductal carcinoma NST | 70% 3+ | 3 | 90 |
| ER-0042 | 58 | ER+ | Invasive ductal carcinoma NST | 90% 3+ | 2 | 18 |
| ER-0025 | 52 | ER+ | Invasive ductal carcinoma NST | 90% 3+ | 2 | 23 |
| ER-0151 | 49 | ER+ | Invasive ductal carcinoma NST | 100% 2+ | 2 | 35 |
| ER-0163 | 45 | ER+ | Invasive ductal carcinoma NST | 80-90% 2-3+ | 3 | 45 |
| ER-0029-7C | 59 | ER+ | Invasive ductal carcinoma NST | 100% 3+ | 1 | 8 |
| ER-0029-9C | 59 | ER+ | Invasive ductal carcinoma NST | 100% 3+ | 1 | 38 |
| ER-0040-T | 69 | ER+ | Invasive ductal carcinoma NST | 100% 3+ | 3 | 50 |
| ER-0040-LN | 69 | ER+ | - | - | 3 | 17 |
| ER-0043-T | 55 | ER+ | Invasive ductal carcinoma NST | >90% 3+ | 3 | 55 |
| ER-0043-LN | 55 | ER+ | - | - | - | - |
| ER-0056-T | 66 | ER+ | Invasive ductal carcinoma NST | 80% 3+ | 2 | 45 |
| ER-0056-LN | 66 | ER+ | - | - | - | 12 |
| ER-0064-T | 65 | ER+ | Invasive lobular carcinoma | 80% 3+ | 2 | 70 |
| ER-0064-LN | 65 | ER+ | - | - | - | 25 |
| ER-0167-T | 83 | ER+ | Invasive ductal carcinoma NST | 80% 3+ | 3 | 34 |
| ER-0167-LN | 83 | ER+ | - | - | - | 25 |
| ER-0173-T | 83 | ER+ | Invasive ductal carcinoma NST | 80% 3+ | 3 | 38 |
| ER-0173-LN | 83 | ER+ | - | - | - | 13 |
| mER-0178 | 84 | ER+ | Invasive ductal carcinoma NST | 80% 3+ | 3 | 58 |
| mER-0068-T | 79 | ER+ | Invasive ductal carcinoma NST | 90% 3+ | 3 | 33 |
| mER-0068-LN | 79 | ER+ | - | - | - | 21 |

NST, no special type.