**Additional Table 1: Histological and molecular characteristics of breast tumor tissue samples.**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Sample*** | ***Histological Type*** | ***Histological Grade*** | ***Metastasis*** | ***ER*** | ***PR*** | ***HER2*** | ***Ki-67*** | ***Molecular Subtype*** |
| T1 | Invasive lobular carcinoma | II | No | Positive | Positive | Positive (Score 3) | 10% | Luminal B HER2+ |
| T2 | Invasive ductal carcinoma, NOS | I | No | Positive | Positive | Negative (Score 0) | 10% | Luminal A |
| T3 | Invasive lobular carcinoma | II | No | Positive | Positive | Negative (Score 0) | 3% | Luminal A |
| T4 | Invasive ductal carcinoma, NST | II | Yes | Positive | Positive | Negative (Score 0) | 15% | Luminal B HER2- |
| T5 | Invasive ductal carcinoma, NST | III | No | Positive | Positive | Negative (Score 0) | 16% | Luminal B HER2- |
| T6 | Invasive ductal carcinoma, NST | II | No | Positive | Positive | Negative (Score 0) | 3% | Luminal A |
| T7 | Invasive ductal carcinoma, papilar | III | No | Positive | Positive | Negative (Score 0) | 5% | Luminal A |
| T8 | Invasive ductal carcinoma, NST | III | Yes | Positive | Positive | Negative (Score 0) | 16% | Luminal B HER2- |
| T9 | Invasive ductal carcinoma, NOS | II | No | Positive | Positive | Negative (Score 0) | 8% | Luminal A |
| T10 | Invasive ductal carcinoma, NOS | III | Yes | Negative | Negative | Positive (Score 3) | 20% | HER2+ |
| T11 | Invasive ductal carcinoma, NST | III | No | Negative | Negative | Negative (Score 1) | 20% | Basal (Triple Negative) |
| T12 | Invasive carcinoma, NST | III | No | Positive | Positive | Negative (Score 1) | 15% | Luminal B HER2- |
| T13 | Invasive ductal carcinoma, NST | I | No | Positive | Positive | Negative (Score 1) | 10% | Luminal A |
| T14 | Invasive ductal carcinoma, NST | III | Yes | Positive | Positive | Negative (Score 0) | 5% | Luminal A |
| T15 | Invasive ductal carcinoma, NOS | III | Yes | Negative | Negative | Positive (Score 3) | 25% | HER2+ |
| T16 | Invasive ductal carcinoma, NST | III | Yes | Positive | Positive | Negative (Score 1) | 40% | Luminal B HER2- |
| T17 | Invasive lobular carcinoma | III | No | Positive | Positive | Negative (Score 0) | 40% | Luminal B HER2- |
| T18 | Invasive ductal carcinoma, NST | II | No | Positive | Positive | Negative (Score 0) | 6% | Luminal A |
| T19 | Invasive ductal carcinoma, medular | III | No | Negative | Negative | Negative (Score 1) | 80% | Basal (Triple Negative) |
| T20 | Infiltrating ductal carcinoma | I | No | Positive | Positive | Negative (Score 0) | 18% | Luminal B HER2- |
| T21 | Infiltrating ductal carcinoma | III | Yes | Positive | Negative | Negative (Score 1) | 60% | Luminal B HER2- |

Description table in which the histological type and grade, the presence or absence of metastasis, the expression pattern of ER, PR and HER2, the percentage (%) of Ki-67 staining, as well as the molecular subtype of 21 breast tumor tissues, are detailed.