Supplementary Table 1. Comparison of patient and tumour characteristics according to paraffin block availability.

|                                | Paraffin blocks Available n=119 | Paraffin blocks Not Available[1] n=44 | \( P \)[2] |
|--------------------------------|---------------------------------|---------------------------------------|------------|
| Age at diagnosis               |                                 |                                       | 0.4        |
| \( \leq 60 \)                  | 84 (70.6%)                      | 34 (77.3%)                            |            |
| \( > 60 \)                     | 35 (29.4%)                      | 10 (22.7%)                            |            |
| Menopausal Status              |                                 |                                       | 0.06       |
| Pre- or Peri-                  | 56 (47.1%)                      | 28 (63.6%)                            |            |
| Post                           | 63 (52.9%)                      | 16 (36.4%)                            |            |
| BMI (kg/m\(^2\))              |                                 |                                       | 0.37       |
| \( \leq 25 \)                  | 61 (51.3%)                      | 28 (63.6%)                            |            |
| \( > 25-30 \)                  | 37 (31.1%)                      | 10 (22.7%)                            |            |
| \( > 30 \)                     | 21 (17.6%)                      | 6 (13.6%)                             |            |
| Surgical Treatment             |                                 |                                       | 0.37       |
| Total Mastectomy               | 27 (22.7%)                      | 13 (29.5%)                            |            |
| Partial Mastectomy             | 92 (77.3%)                      | 31 (70.5%)                            |            |
| Tumor Grade (Nottingham)       |                                 |                                       | 0.75       |
| Grade 1                        | 31 (26.1%)                      | 12 (27.3%)                            |            |
| Grade 2                        | 44 (37%)                        | 19 (43.2%)                            |            |
| Grade 3                        | 40 (33.6%)                      | 11 (25%)                              |            |
| Unknown                        | 4 (3.4%)                        | 2 (4.5%)                              |            |
| Tumor Stage                    |                                 |                                       | 0.96       |
| pT1                            | 69 (58%)                        | 25 (56.8%)                            |            |
| pT2                            | 36 (30.3%)                      | 13 (29.5%)                            |            |
| pT3                            | 8 (6.7%)                        | 4 (9.1%)                              |            |
| Unknown                        | 6 (5%)                          | 2 (4.5%)                              |            |
| Nodal Stage                    |                                 |                                       | 0.99       |
| pN0                            | 81 (68.1%)                      | 30 (68.2%)                            |            |
| pN1-3                          | 38 (31.9%)                      | 14 (31.8%)                            |            |
| Hormone Receptor               |                                 |                                       | 0.27       |
| Positive                       | 88 (73.9%)                      | 33 (75%)                              |            |
| Negative                       | 11 (9.2%)                       | 7 (15.9%)                             |            |
| Unknown                        | 20 (16.8%)                      | 4 (9.1%)                              |            |
| Lymphovascular Invasion        |                                 |                                       | 0.85       |
| Present                        | 22 (18.5%)                      | 9 (20.5%)                             |            |
| Absent                         | 60 (50.4%)                      | 20 (45.5%)                            |            |
| Unknown                        | 37 (31.1%)                      | 15 (34.1%)                            |            |

1. Paraffin blocks were needed in order to do CD68 staining.
2. P-value from testing the null hypothesis of no association, using \( \chi^2 \) tests.