

*Numbers start from the top right of the TMA

No.	Age	Sex	Site (Anatomic)	Pathology diagnosis	TNM	Grade	Stage	Type	ER	PR	HER2
1	46	F	Breast	Invasive ductal carcinoma	T3N0M0	1	IIB	Malignant	+++	+++	0
2	59	F	Breast	Invasive ductal carcinoma	T1N0M0	1	I	Malignant	-	-	3+
3	29	F	Breast	Invasive ductal carcinoma	T2N0M0	1	IIA	Malignant	++	-	0
4	55	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	-	0
5	72	F	Breast	Invasive ductal carcinoma with necrosis (s	T2N1M0	2	IIB	Malignant	-	-	3+
6	30	F	Breast	Invasive ductal carcinoma	T2N2M0	2	IIIA	Malignant	-	-	3+
7	64	F	Breast	Invasive ductal carcinoma	T2N0M0	1	IIA	Malignant	+++	+++	2+
8	30	F	Breast	Invasive ductal carcinoma	T1CN0M0	2	I	Malignant	++	+++	0
9	67	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	++	0
10	50	F	Breast	Invasive ductal carcinoma	T4N0M0	2	IIIB	Malignant	-	-	0
11	62	F	Breast	Invasive ductal carcinoma	T2N1M0	2	IIB	Malignant	-	-	0
12	52	F	Breast	Invasive ductal carcinoma of No. 44	T2N1M0	2	IIB	Malignant	++	-	3+
13	43	F	Breast	Invasive ductal carcinoma	T1CN0M0	2	I	Malignant	+++	+++	0
14	41	F	Breast	Invasive ductal carcinoma	T3N2M0	2	IIIA	Malignant	-	-	0
15	53	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+	-	3+
16	48	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	-	1+
17	42	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	0
18	53	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	-	1+
19	68	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	++	1+
20	38	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	+++	0
21	50	F	Breast	Invasive ductal carcinoma	T2N1M0	2	IIB	Malignant	-	-	0
22	48	F	Breast	Invasive ductal carcinoma	T4N2M0	2	IIIB	Malignant	-	++	0
23	44	F	Breast	Invasive ductal carcinoma	T4BN0M0	2	IIIB	Malignant	++	+	0
24	38	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	-	2+
25	45	F	Breast	Invasive ductal carcinoma	T1N0M0	2	I	Malignant	-	-	0
26	32	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	+++	2+
27	52	F	Breast	Invasive ductal carcinoma	T4N0M0	2	IIIB	Malignant	++	-	0
28	53	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	3+
29	42	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+	+++	0
30	44	F	Breast	Invasive ductal carcinoma	T1N0M0	2	I	Malignant	+++	+++	0
31	63	F	Breast	Invasive ductal carcinoma	T2N0M1	2	IIA	Malignant	+++	-	0
32	45	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+	+	0
33	51	F	Breast	Invasive ductal carcinoma	T2N1M0	2	IIB	Malignant	-	-	3+
34	63	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	-	2+
35	54	F	Breast	Invasive ductal carcinoma	T1N0M0	2	I	Malignant	+++	+	3+
36	65	F	Breast	Invasive ductal carcinoma	T1N2M0	2	IIIA	Malignant	-	-	0
37	38	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	+	0
38	35	F	Breast	Invasive ductal carcinoma (brease tissue)	T1N0M0	-	I	Malignant	-	+	0
39	54	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	-	0
40	29	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	3+
41	50	F	Breast	Invasive ductal carcinoma (fatty tissue and	T2N2M0	-	IIIA	Malignant	*	*	*
42	55	F	Breast	Invasive ductal carcinoma	T4N0M0	2	IIIB	Malignant	-	-	1+
43	45	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	++	0
44	43	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	+++	0
45	45	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	0
46	50	F	Breast	Invasive ductal carcinoma	T1N0M0	2	I	Malignant	+++	+++	0
47	28	F	Breast	Invasive ductal carcinoma	T1N1M0	2	IIA	Malignant	-	-	3+
48	45	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	+++	++	2+
49	63	F	Breast	Invasive ductal carcinoma	T2N0M0	3	IIA	Malignant	+++	+++	0
50	65	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	++	0
51	71	F	Breast	Invasive ductal carcinoma	T2N2M0	2	IIIA	Malignant	+++	++	0
52	52	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIB	Malignant	-	-	0
53	62	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	++	++	1+
54	45	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	0
55	38	F	Breast	Invasive ductal carcinoma	T2N1M0	2	IIB	Malignant	-	-	2+
56	46	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	2+
57	32	F	Breast	Invasive ductal carcinoma	T1N0M0	2	I	Malignant	-	-	0
58	41	F	Breast	Invasive ductal carcinoma	T4N1M0	2	IIIB	Malignant	++	+	2+
59	37	F	Breast	Invasive ductal carcinoma	T2N1M0	2	IIB	Malignant	-	-	0
60	29	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	3+
61	62	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	0
62	50	F	Breast	Invasive ductal carcinoma	T3N2M0	3	IIIA	Malignant	-	-	1+
63	55	F	Breast	Invasive ductal carcinoma	T2N0M0	2	IIA	Malignant	-	-	0

64	45	F	Breast	Invasive ductal carcinoma	T3N0M0	2	IIIA	Malignant	+++	-	1+
65	56	F	Breast	Invasive ductal carcinoma	T2N1M0	3	IIB	Malignant	-	-	0
66	48	F	Breast	Invasive ductal carcinoma	T2N2M0	3	IIIA	Malignant	-	-	3+
67	42	F	Breast	Invasive ductal carcinoma	T2N1M0	3	IIB	Malignant	+++	-	0
68	47	F	Breast	Invasive ductal carcinoma	T4N0M0	3	IIIB	Malignant	-	+	0
69	44	F	Breast	Invasive lobular carcinoma	T2N0M0	-	IIA	Malignant	++	-	1+
70	55	F	Breast	Invasive lobular carcinoma	T2N2M0	-	IIIA	Malignant	-	+	2+
71	47	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	++	+	0
72	51	F	Breast	Invasive lobular carcinoma (sparse)	T2N1M0	-	IIB	Malignant	+	-	2+
73	69	F	Breast	Invasive lobular carcinoma	T2N0M0	-	IIA	Malignant	-	-	0
74	54	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	-	++	0
75	59	F	Breast	Invasive lobular carcinoma	T4N0M0	-	IIIB	Malignant	+	-	0
76	70	F	Breast	Invasive lobular carcinoma	T4N0M0	-	IIIA	Malignant	-	-	0
77	38	F	Breast	Invasive lobular carcinoma	T2N0M0	-	IIA	Malignant	+	++	0
78	42	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	-	-	0
79	47	F	Breast	Invasive lobular carcinoma	T2N0M0	-	IIA	Malignant	+	++	0
80	41	F	Breast	Invasive lobular carcinoma	T4N0M0	-	IIIB	Malignant	-	+	0
81	19	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	+	-	0
82	40	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	-	-	0
83	52	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	-	-	0
84	59	F	Breast	Invasive lobular carcinoma (breast tissue)	T2N0M0	-	IIA	Malignant	*	*	*
85	48	F	Breast	Invasive lobular carcinoma (sparse)	T2N1M0	-	IIB	Malignant	+	-	0
86	50	F	Breast	Invasive lobular carcinoma (sparse)	T2N1M0	-	IIB	Malignant	-	-	0
87	45	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	+	++	0
88	38	F	Breast	Invasive lobular carcinoma	T3N1M0	-	IIIA	Malignant	+	-	3+
89	52	F	Breast	Invasive lobular carcinoma	T2N0M0	-	IIA	Malignant	-	-	3+
90	45	F	Breast	Invasive lobular carcinoma	T2N1M0	-	IIB	Malignant	-	-	0
91	44	F	Breast	Squamous cell carcinoma	T1N0M0	1--2	I	Malignant	-	-	0
92	37	F	Breast	Squamous cell carcinoma	T3N0M0	2	IIB	Malignant	-	-	0
93	48	F	Breast	Squamous cell carcinoma	T4N0M0	2	IIIB	Malignant	-	-	0
94	47	F	Breast	Squamous cell carcinoma	T1N0M0	2	I	Malignant	-	-	3+
95	36	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	++	++	1+
96	67	F	Breast	Intraductal carcinoma (sparse)	TisN0M0	-	0	Malignant	*	-	3+
97	45	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	-	-	3+
98	68	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+++	+++	0
99	54	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	++	++	0
100	45	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	++	++	0
101	46	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+	++	0
102	52	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+	+	0
103	47	F	Breast	Intraductal carcinoma (adenosis)	TisN0M0	-	0	Malignant	+	+	0
104	41	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	-	-	0
105	47	F	Breast	Intraductal carcinoma	T2N0M0	-	IIA	Malignant	-	-	3+
106	48	F	Breast	Intraductal carcinoma (breast tissue)	TisN0M0	-	0	Malignant	+	-	0
107	47	F	Breast	Intraductal carcinoma with early infiltratic	T2N0M0	-	IIA	Malignant	+++	+++	0
108	45	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	-	-	2+
109	39	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	-	-	3+
110	46	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	-	-	3+
111	49	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+	+	2+
112	45	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+++	+++	0
113	30	F	Breast	Intraductal carcinoma (duct tissue)	TisN0M0	-	0	Malignant	*	*	*
114	47	F	Breast	Intraductal carcinoma	T2N1M0	-	IIB	Malignant	-	+	3+
115	64	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	+++	+	0
116	49	F	Breast	Intraductal carcinoma	T2N0M0	-	IIA	Malignant	-	-	3+
117	55	F	Breast	Intraductal carcinoma	TisN0M0	-	0	Malignant	++	++	0
118	43	F	Breast	Lobular carcinoma in situ (adenosis)	TisN0M0	-	0	Malignant	-	+	0
119	79	F	Breast	Lobular carcinoma in situ	TisN0M0	-	0	Malignant	-	-	0
120	48	F	Breast	Lobular carcinoma in situ	TisN0M0	-	0	Malignant	++	++	0
121	44	F	Breast	Fibroadenoma	-	-	-	Benign	++	++	0
122	27	F	Breast	Fibroadenoma	-	-	-	Benign	-	+	0
123	23	F	Breast	Fibroadenoma	-	-	-	Benign	++	+	0
124	45	F	Breast	Fibroadenoma	-	-	-	Benign	++	++	0
125	19	F	Breast	Fibroadenoma	-	-	-	Benign	++	+	0
126	23	F	Breast	Fibroadenoma	-	-	-	Benign	+	+	0
127	34	F	Breast	Fibroadenoma	-	-	-	Benign	+	+	0
128	25	F	Breast	Fibroadenoma	-	-	-	Benign	+	+	0

129	48	F	Breast	Adenosis with hyperplasia of breast duct	-	-	-	Hyperplasia	+	+	0
130	82	F	Breast	Adenosis with hyperplasia of breast duct	-	-	-	Hyperplasia	-	+	0
131	38	F	Breast	Adenosis with hyperplasia of breast duct	-	-	-	Hyperplasia	+	+	0
132	41	F	Breast	Moderate hyperplasia of breast duct	-	-	-	Hyperplasia	+	+	0
133	40	F	Breast	Atypical hyperplasia in duct (grade II)	-	-	-	Hyperplasia	+++	++	0
134	76	F	Breast	Adenosis with hyperplasia of breast duct	-	-	-	Hyperplasia	++	+	0
135	37	F	Breast	Adenosis with hyperplasia of breast duct	-	-	-	Hyperplasia	++	+	0
136	43	F	Breast	Hyperplasia of breast duct (hyalinosis of fi	-	-	-	Hyperplasia	*	*	*
137	45	F	Breast	Adenosis with moderate hyperplasia of du	-	-	-	Hyperplasia	++	++	0
138	46	F	Breast	Hyperplasia (sparse breast tissue)	-	-	-	Hyperplasia	*	*	*
139	45	F	Breast	Hyperplasia (adenosis)	-	-	-	Hyperplasia	+	+	0
140	39	F	Breast	Hyperplasia (adenosis)	-	-	-	Hyperplasia	+	+	
141	40	F	Breast	Hyperplasia (adenosis)	-	-	-	Hyperplasia	+	+	0
142	19	F	Breast	Hyperplasia (adenosis)	-	-	-	Hyperplasia	-	-	0
143	28	F	Breast	Hyperplasia (fibrous tissue and blood vess	-	-	-	Hyperplasia	*	*	*
144	35	F	Breast	Hyperplasia (adenosis)	-	-	-	Hyperplasia	+	*	*
145	29	F	Breast	Interstitial chronic inflammation	-	-	-	Inflammation	-	+	0
146	45	F	Breast	Interstitial chronic inflammation	-	-	-	Inflammation	-	-	0
147	31	F	Breast	Interstitial chronic inflammation	-	-	-	Inflammation	-	-	0
148	33	F	Breast	Interstitial chronic inflammation	-	-	-	Inflammation	-	-	0
149	39	F	Breast	Interstitial chronic inflammation with spar	-	-	-	Inflammation	+	+	3+
150	40	F	Breast	Interstitial chronic inflammation (adenosis	-	-	-	Inflammation	-	-	0
151	44	F	Breast	Chronic inflammation	-	-	-	Inflammation	+	+	0
152	29	F	Breast	Acute mastitis	-	-	-	Inflammation	-	-	0
153	43	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	+	-	0
154	55	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
155	28	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
156	26	F	Breast	Plasma cell mastitis (fibrous tissue and blc	-	-	-	Inflammation	-	-	0
157	35	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
158	78	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
159	46	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
160	32	F	Breast	Plasma cell mastitis	-	-	-	Inflammation	-	-	0
161	38	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	-	+	0
162	55	F	Breast	Cancer adjacent normal breast tissue (fatt	-	-	-	NAT	-	*	0
163	57	F	Breast	Cancer adjacent normal breast tissue (fatt	-	-	-	NAT	*	*	0
164	53	F	Breast	Cancer adjacent normal breast tissue (duc	-	-	-	NAT	-	*	0
165	43	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	+	+	0
166	35	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	-	+	0
167	38	F	Breast	Cancer adjacent normal breast tissue (fibr	-	-	-	NAT	*	*	0
168	42	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	+	+	0
169	46	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	-	+	0
170	50	F	Breast	Cancer adjacent normal breast tissue with	-	-	-	Normal	-	-	0
171	40	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	+	+	0
172	50	F	Breast	Cancer adjacent normal breast tissue (fibr	-	-	-	NAT	*	*	0
173	35	F	Breast	Cancer adjacent normal breast tissue (fibr	-	-	-	NAT	*	*	0
174	44	F	Breast	Cancer adjacent normal breast tissue of N	-	-	-	NAT	+	-	0
175	48	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	-	+	0
176	45	F	Breast	Cancer adjacent normal breast tissue	-	-	-	NAT	+	-	0