

**Supplementary Table 1**

<b>Sample</b>	<b>Histological description at diagnosis</b>	<b>Age</b>	<b>Grade</b>	<b>TNM</b>
T1	Medullary carcinoma	46	3	T3N2M0
T2	Lobular carcinoma	62	1	T4N0M0
T3	Infiltrating ductal carcinoma	50	3	T2N2M0
T4	Infiltrating lobular carcinoma	73	2	
T5	Infiltrating ductal carcinoma	88	3	T4NxM0
T6	Infiltrating ductal carcinoma	45	3	T2N0M0
T7	Colloid adenocarcinoma	77	1	T2N0Mx
T8	Infiltrating ductal carcinoma	72	2	T1N0M0
T9	Infiltrating ductal carcinoma	59	3	T2N0M0
T10	Infiltrating ductal carcinoma	62	1	
T11	Medullary carcinoma	31	3	T2N1M0
T12	Lobular carcinoma	59	2	T2N1M0
T13	Infiltrating ductal carcinoma	74	3	
T14	Lobular carcinoma	69	2	T1N0M0
T15	Infiltrating ductal carcinoma	61	3	T1N1M0
T16	Infiltrating ductal carcinoma	39	2	
T17	Infiltrating ductal carcinoma	57	3	T2N0M0
T18	Infiltrating ductal carcinoma	63	2	T1N0M0
T19	Infiltrating ductal carcinoma	57	2	T2N0M0
T20	Infiltrating ductal carcinoma	60	3	T2N1M0
T21	Infiltrating ductal carcinoma	81	3	T1N0M0
T22	Infiltrating ductal carcinoma	54	3	T2N1M0
T23	Infiltrating ductal carcinoma	50	2	
T24	Cribiform type ductal carcinoma	44	1	
T25	Lobular carcinoma	64	2	T1N0M0
T26	Lobular carcinoma	82	0	
T27	Inflammatory ductal carcinoma	69	0	
T28	Infiltrating ductal carcinoma	56	2	T2N1M0
T29	Lobular carcinoma	64	1	T1cN0M0
T30	Infiltrating ductal carcinoma	51	2	T2N0M0
T31	Apocrine adenocarcinoma	75	3	T2N0M0
T32	Colloid adenocarcinoma	76	2	
T33	Infiltrating lobular carcinoma with in situ carcinoma areas	57		PT1N0M0
T34	Mucinous colloid adenocarcinoma	71	2	
T35	Atypical medullary carcinoma	67	0	T1N0M0
T36	Infiltrating ductal carcinoma	57	0	
T37	Infiltrating ductal carcinoma	69	3	T2N1Mx
T38	Lobular carcinoma	47	3	T2N0M0
T39	Infiltrating ductal carcinoma	76	2	T2N1M0
T40	Infiltrating ductal carcinoma	41	2	
T41	Infiltrating ductal carcinoma	46	3	T2N2M0
T42	Infiltrating ductal carcinoma	73	2	
T43	Ductal carcinoma	41	0	

T44	Lobular carcinoma	76	2	
T45	Mucinous colloid adenocarcinoma	76	0	
T46	Infiltrating ductal carcinoma	91	2	
T47	Infiltrating ductal carcinoma mix with lobular carcinoma	48	1	T2N1MX
T48	Infiltrating ductal carcinoma	43	0	
T49	Infiltrating ductal carcinoma	60	3	T2N1MX
T50	Infiltrating ductal carcinoma	62	3	

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