

Supplementary Table S1. Clinical and tumor characteristics of breast cancer cases.

SAMPLE		MUTATION	AGE	TYPE OF INVASIVE CARCINOMA	HISTOLOGIC GRADE	ER STATUS
#	ID					
BRCA1 mutation positive						
1	01T49	E2 del185AG	46	Intraductal	3	-
2	01T50	E2 del185AG	48	Intraductal	2	-
3	01T152	E2 del185AG	43	Intraductal	3	-
4	01T167	E2 del185AG	32	Intraductal	3	-
5	01T185	E18 A1708E	38	Intraductal	3	-
6	02T124	E7 IVS7-1G/A	40	Intraductal	3	-
7	03T5	E11 ins3022TC	39	Lobular	2	-
8	03T158	E2 del185AG	30	Intraductal	3	-
9	03T159	E2 del185AG	31	Intraductal	3	-
10	03T236	E18 A1706E	40	Intraductal	3	-
11	03T325	IVS 5+1G>4	28	Intraductal	3	-
12	03T331	E3 243delA	59	Intraductal	2	-
13	04T39	E18 IVS18-1G/A	28	Intraductal	3	-
14	01T157	E2 del185AG	51	Intraductal	3	+
15	02T25	E23 del5537A	43	Intraductal	3	+
16	02T345	E2 del185AG	NA	Intraductal	3	+
17	03T253	E2 del185AG	34	Intraductal	2	+
18	03T326	5625 G>T	52	Intraductal	3	+
19	03T327	3598 del111pb	35	Intraductal	3	+
BRCA2 mutation positive						
20	01T153	E11F 936delAAA	46	Intraductal	3	-
21	02T60	E11 1089insT	50	NA	2	-
22	03T162	E11 1227delTG	51	Intraductal	3	-
23	03T163	E11 K944stop	49	Intraductal	3	-
24	03T167	E3 glu49stop	28	Intraductal	2	-
25	03T168	E11 1308glu/stop	46	Intraductal	1	-
26	TB2765	4392delT	39	Intraductal	3	-
27	01T150	E14 2370delAA	67	Intraductal	3	+
28	01T158	E11F 936delAAA	34	Intraductal	2	+
29	02T16	E18 8300insTT	45	Lobular	3	+
30	02T17	E10 1825delA	39	Intraductal	3	+
31	02T20	E11 3492insT	44	Intraductal	3	+
32	02T23	E11 3036del4	38	Intraductal	2	+
33	02T59	E11 1089insT	36	Intraductal	3	+
34	02T123	E10 605delG	30	Intraductal	2	+
35	03T238	E18 2678insGA	37	In situ	In situ	+
36	03T322	E 49 X	55	Intraductal	1	+
37	TB2637	6503delTT	36	Intraductal	3	+
38	TB2769	W2586X	54	Lobular	3	+
39	TB2771	W2586X	45	Intraductal	3	+
40	TB2627	3917delC	38	Lobular	NA	NA
41	TB2767	1133delC	45	Intraductal	NA	NA
42	TB2772	4397delT	39	Intraductal	NA	NA
43	TB2773	8219delT	39	Lobular	NA	NA
Familial BRCA1/2 mutation negative (BRCA1)						
44	01T6	None	42	Lobular	3	-
45	01T236	None	39	Intraductal	2	-
46	01T238	None	41	Intraductal	1	-
47	02T41	None	34	Intraductal	3	-
48	02T47	None	49	Lobular	2	-
49	02T255	None	51	Intraductal	3	-

50	02T342	None	NA	Intraductal	2	-
51	04T34	None	NA	Intraductal	1	-
52	04T35	None	45	Intraductal	1	-
53	04T41	None	34	Intraductal	3	-
54	04T55	None	46	Intraductal	1	-
55	00T44	None	39	Intraductal	1	+
56	00T55	None	NA	Intraductal	1	+
57	01T197	None	43	Intraductal	1	+
58	01T240	None	NA	In situ	In situ	+
59	01T242	None	54	Intraductal	2	+
60	01T252	None	55	Intraductal	2	+
61	01T264	None	NA	Lobular	2	+
62	01T306	None	44	Intraductal	1	+
63	02T32	None	63	Intraductal	3	+
64	02T33	None	30	Intraductal	1	+
65	02T40	None	60	Intraductal	2	+
66	03T165	None	43	Intraductal	1	+
67	03T166	None	47	Intraductal	1	+
68	03T270	None	52	Intraductal	1	+
69	03T282	None	42	Intraductal	1	+
70	03T317	None	35	Intraductal	1	+
71	03T324	None	46	Intraductal	2	+
72	04T42	None	45	Intraductal	3	+
73	04T43	None	39	In situ	In situ	+
74	01T243	None	49	Intraductal	3	NA
Sporadic						
75	TB0001	None	51	Intraductal	3	-
76	TB0017	None	34	Intraductal	3	-
77	TB0022	None	69	Intraductal	2	-
78	TB0032	None	51	Intraductal	3	-
79	TB0041	None	50	Intraductal	3	-
80	TB0315	None	41	Intraductal	2	-
81	TB0493	None	52	Intraductal	3	-
82	TB0004	None	41	Intraductal	3	+
83	TB0010	None	50	Intraductal	3	+
84	TB0026	None	70	Intraductal	2	+
85	TB0031	None	54	Intraductal	3	+
86	TB0033	None	62	Intraductal	3	+
87	TB0038	None	52	Lobular	2	+
88	TB0063	None	51	Intraductal	1	+
89	TB0314	None	60	Intraductal	3	+
90	TB0346	None	47	Intraductal	2	+
91	TB0369	None	36	Intraductal	2	+
92	TB0432	None	62	Intraductal	1	+
93	TB0476	None	74	Intraductal	2	+

NA, not available information.

Estrogen receptor (ER) status was considered as positive when the percentage of stained cells was 10% or higher in a immunohistochemistry analysis.