Supplementary Table S1. Clinical data. Ductal carcinoma in situ (DCIS)

Subject	Age	Tissue type	Type of tumour	Stage of cancer	Parous	Menarche
BTS1	61	normal adjacent	DCIS	0	n	post
BTS2	87	normal adjacent	invasive lobular	1	y	post
BTS4	64	normal adjacent	invasive lobular	1	y	post
BTS5	73	normal adjacent	invasive ductal	1	y	post
BTS6	60	normal adjacent	invasive ductal	1	y	post
BTS8	68	normal adjacent	invasive ductal	1	y	post
BTS11	90	normal adjacent	Invasive lobular	2	y	post
BTS12	71	normal adjacent	DCIS	0	y	post
BTS15	60	normal adjacent	Invasive ductal	1	y	post
BTS16	54	normal adjacent	invasive	3	unknown	post
BTS17	58	normal adjacent	Invasive	2	unknown	post
BTS18	68	normal adjacent	Invasive lobular	2	unknown	post
BTS20	66	normal adjacent	DCIS	0	y	post
BTS22	67	normal adjacent	invasive ductal	3	y	post
BTS23	63	normal adjacent	DCIS (multifocal)	0	y	post
BTS24	57	normal adjacent	DCIS	0	y	post
BTS26	73	normal adjacent	invasive ductal	2	y	post
BTS27	80	normal adjacent	invasive lobular	3	y	post
BTS28	74	normal adjacent	Invasive ductal	1	y	post
BTS31	62	normal adjacent	invasive ductal	4	y	post
BTS32	50	normal adjacent	invasive ductal	2	n	pre
BTS34	70	normal adjacent	invasive ductal	1	y	post
BTS35	65	normal adjacent	DCIS	0	y	post
BTS36	54	normal adjacent	invasive ductal	1	unknown	post
BTS37	59	normal adjacent	invasive ductal	3	y	post
BTS38	66	normal adjacent	Invasive ductal	1	y	post

BTS39	54	normal adjacent	Infiltrating mammary carcinoma with lobular features	1	n	post
BTS40	69	normal adjacent	invasive mammary carcinoma	1	y	post
BTS41	58	normal adjacent	invasive mammary carcinoma	1	y	post
BTS42	47	normal adjacent	invasive mammary carcinoma	2	y	pre
BTS43	68	normal adjacent	invasive mammary carcinoma	1	y	post
BTS45	61	normal adjacent	invasive mammary carcinoma	2	y	post
BTS46	69	normal adjacent	invasive mammary carcinoma	1	y	post
BTS48	82	normal adjacent	Invasive mammary carcinoma	2	n	post
BTS50	57	normal adjacent	invasive lobular	3	y	post
BTS51	58	normal adjacent	invasive mammary carcinoma, tubular features	2	y	post
BTS53	51	normal adjacent	encapsulated papillary carcinoma	0	y	pre
BTS54	80	normal adjacent	invasive mammary carcinoma	1	y	post
BTS55	46	normal adjacent	invasive mammary carcinoma, tubular features	2	y	pre
BTS56	60	normal adjacent	invasive mammary carcinoma	2	y	post
BTS57	73	normal adjacent	invasive mammary carcinoma	1	y	post
BTS58	75	normal adjacent	metastatic lung cancer 4 yrs prior	n/a	y	post
HS1	47	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS2	42	normal	N/A (breast augmentation)	N/A (healthy)	unknown	pre
HS3	21	normal	N/A (breast reductions)	N/A (healthy)	n	pre
HS4	53	normal	N/A (breast reductions)	N/A (healthy)	unknown	unknown
HS5	46	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS6	45	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS7	61	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS8	55	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS10	39	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS11	54	normal	N/A (breast reductions)	N/A (healthy)	unknown	post
HS12	56	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS13	58	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS14	59	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS15	52	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS16	22	normal	N/A (breast augmentation)	N/A (healthy)	n	pre
HS17	57	normal	N/A (breast reductions)	N/A (healthy)	y	post

HS18	32	normal	N/A (breast reductions)	N/A (healthy)	y	pre
HS19	54	normal	N/A (breast reductions)	N/A (healthy)	y	post
HS20	69	normal	N/A (breast reductions)	N/A (healthy)	y	post