

**Table 1. Paired HN and DCIS sample summary**

Sample	Age (years)	Grade of DCIS	Histology of DCIS	ER/PR/HER2 of IDC	IDC Grade
379	43	2 and 3	Cribiform	+/+/+	2
444	48	2	Cribiform	+/+/NA	Not present
248	49	1	Micropapillary	+/+/NA	2
274	49	2	Solid	+/+/-	1
380	53	2 and 3	Solid/Cribiform	+/+/-	2
446B	54	3	Comedo/Solid	+/+/-	2
258	65	1 and 2	Cribiform/Micropapillary	+/+/-	2
405	67	2	Micropapillary/Cribiform	+/+/-	2
Mean Age	53.5				
Median Age	51.0				

Abbreviations: NA=not applicable; HN=histologically normal; DCIS=ductal carcinoma *in situ*; ER=estrogen receptor; PR=progesterone receptor; HER2=human epidermal growth factor receptor-2; IDC=invasive ductal carcinoma.