

Supplementary Table S3. Expression of activated SphK1 in breast cancer

	pSphK1			p-Value		pSphK1			p-Value
	negative	positive	NA			negative	positive	NA	
N	158	82	35						
(%)	57.5	29.8	12.7						
Age					Subtype				
<65	104	61	28	0.112	Luminal A	121	50	16	0.024
65 ≤	54	21	3		Luminal B	10	5	1	
Mensuration status					HER2	8	12	7	
premenopausal	42	28	15	0.125	Triple negative	20	16	9	
postmenopausal	94	42	15		TNM Stage				
Estrogen receptor					I	69	23	14	0.002
positive	132	55	17		II	67	40	15	
negative	26	28	17	0.007	III	12	17	2	
Progesterone receptor					Tumor stage				
positive	103	44	11		T1	79	27	16	0.028
negative	55	39	22	0.141	T2	65	41	15	
HER2 expression					T3	4	5	1	
present	18	17	8		T4	9	7	0	
absent	139	66	27	0.06	Nodes				
Basal markers					N0	93	35	21	0.069
basal	13	12	8	0.002	N1	39	33	8	
non basal	144	63	23		N2	15	7	1	
					N3	6	3	1	