

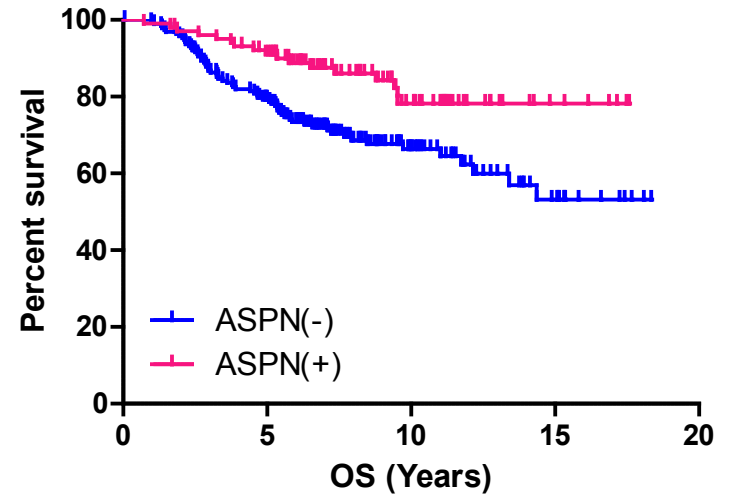
# Microarray expression of the 7 genes and clinical variables in 295 breast cancers (P values, t-Test or ANOVA Test, NKI dataset)

Gene	Name	Location	Death	Metastasis	Grade	Size	LN	ER	ERBB2	Triple(-)
ASPN	asporin	9q22	0.00034	0.01130	0.00000	0.00016	0.73950	0.00000	0.06602	0.00000
CACNG4	calcium channel, voltage-dependent, gamma subunit 4	17q24	0.50678	0.50400	0.66543	0.90002	0.02962	0.00000	0.85201	0.00000
CHD1	chromodomain helicase DNA binding protein 1	5q15-q21	0.02500	0.08944	0.03773	0.53952	0.46680	0.00000	0.04025	0.00003
GNA13	guanine nucleotide binding protein (G protein), alpha 13	17q24.1a	0.80909	0.13685	0.00103	0.00396	0.94768	0.00267	0.96444	0.01138
PITPNC1	phosphatidylinositol transfer protein, cytoplasmic 1	17q24.2	0.00539	0.06072	0.00000	0.42898	0.44487	0.00000	0.00006	0.04661
PRKCA	protein kinase C, alpha	17q24.2a	0.33224	0.29809	0.67531	0.43074	0.95799	0.45772	0.18033	0.05698
SFRS7	splicing factor, arginine/serine-rich 7, 35kDa	2p22.1	0.00009	0.07089	0.00000	0.01953	0.23883	0.00000	0.30710	0.00000

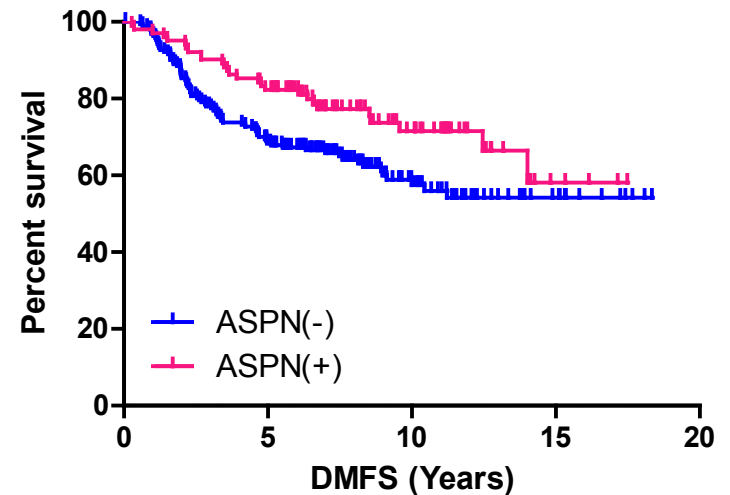
## ASPN in NKI 295 dataset

Variables	ASPN				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	89	46.1	66	64.7	0.0032
>2cm	104	53.9	36	35.3	
LN (-)	98	50.8	53	52.0	0.9027
(+)	95	49.2	49	48.0	
Grade 1	38	19.7	37	36.3	0.0003
2	62	32.1	39	38.2	
3	93	48.2	26	25.5	
ER (-)	60	31.1	9	8.8	<0.0001
(+)	133	68.9	93	91.2	
ERBB2 (-)	163	84.5	83	81.4	0.5136
(+)	30	15.5	19	18.6	
Triple(-)No	156	80.8	99	97.1	<0.0001
Yes	37	19.2	3	2.9	

**NKI-ASPN: P=0.0031**



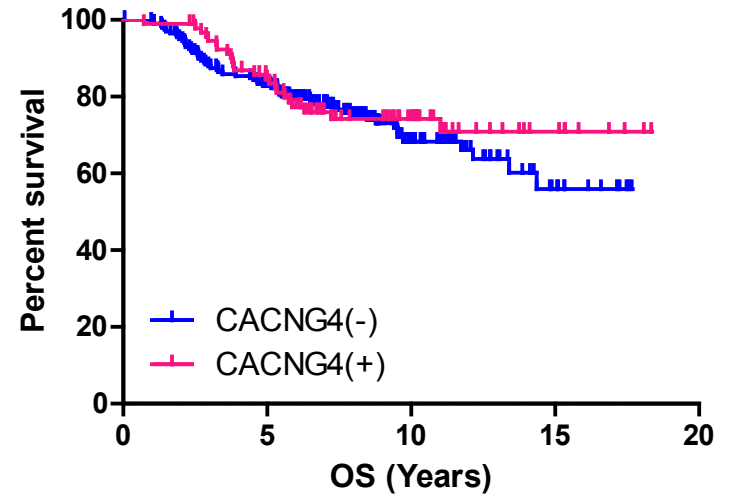
**NKI-ASPN: P=0.0205**



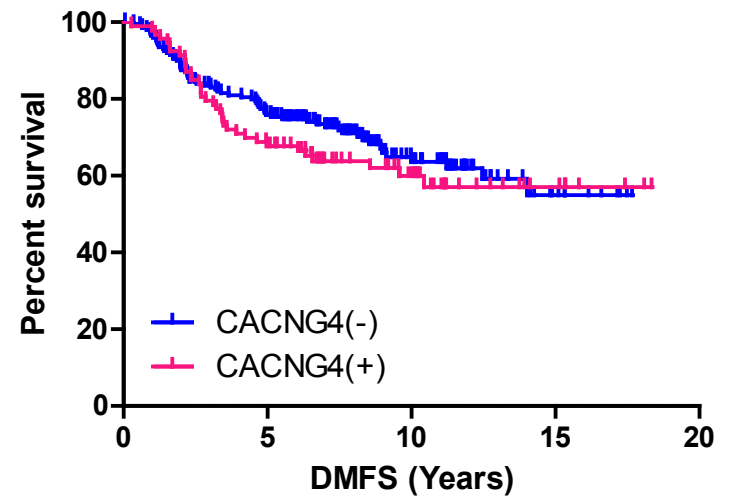
## CACNG4 in NKI 295 dataset

Variables	CACNG4				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	105	52.0	50	53.8	0.8028
>2cm	97	48.0	43	46.2	
LN (-)	108	53.5	43	46.2	0.2615
(+)	94	46.5	50	53.8	
Grade 1	57	28.2	18	19.4	0.3996
2	63	31.2	38	40.9	
3	82	40.6	37	39.8	
ER (-)	59	29.2	10	10.8	0.0004
(+)	143	70.8	83	89.2	
ERBB2 (-)	167	82.7	79	84.9	0.7369
(+)	35	17.3	14	15.1	
Triple(-)No	163	80.7	92	98.9	<0.0001
Yes	39	19.3	1	1.1	

**NKI-CACNG4: P=0.5153**



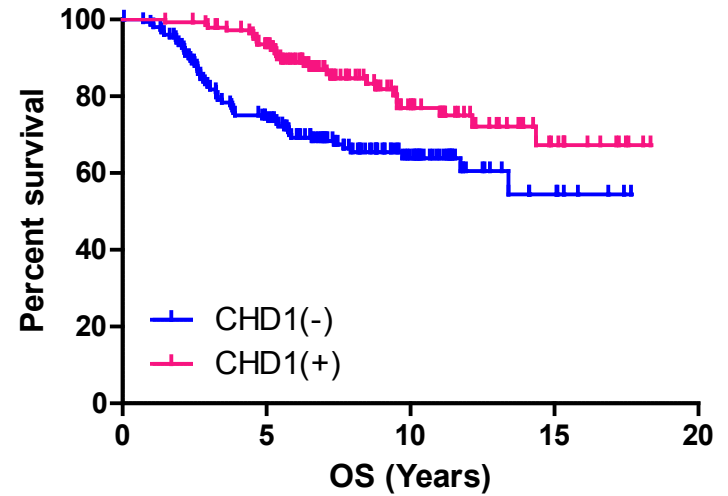
**NKI-CACNG4: P=0.3737**



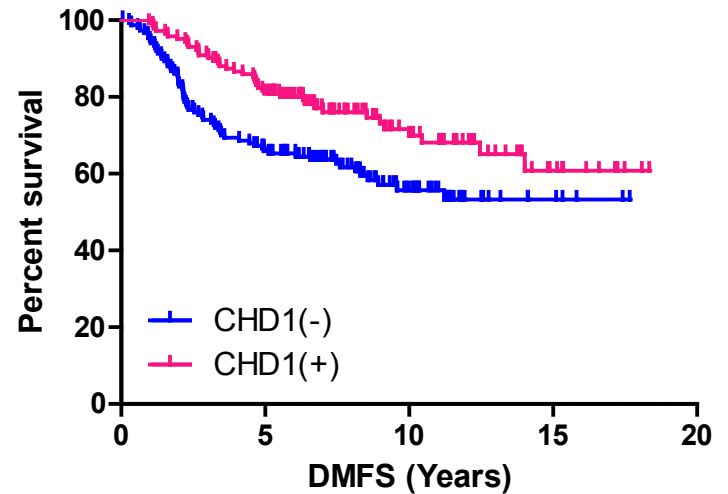
## CHD1 in NKI 295 dataset

Variables	CHD1				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	75	49.3	80	55.9	0.294
>2cm	77	50.7	63	44.1	
LN (-)	82	53.9	69	48.3	0.3524
(+)	70	46.1	74	51.7	
Grade 1	32	21.1	43	30.1	0.0529
2	49	32.2	52	36.4	
3	71	46.7	48	33.6	
ER (-)	54	35.5	15	10.5	<0.0001
(+)	98	64.5	128	89.5	
ERBB2 (-)	120	78.9	126	88.1	0.0417
(+)	32	21.1	17	11.9	
Triple(-)No	121	79.6	134	93.7	0.0005
Yes	31	20.4	9	6.3	

**NKI-CHD1: P=0.0009**



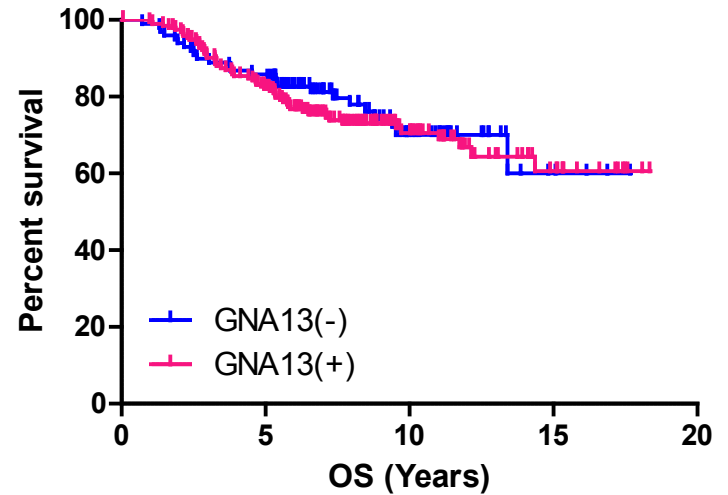
**NKI-CHD1: P=0.0053**



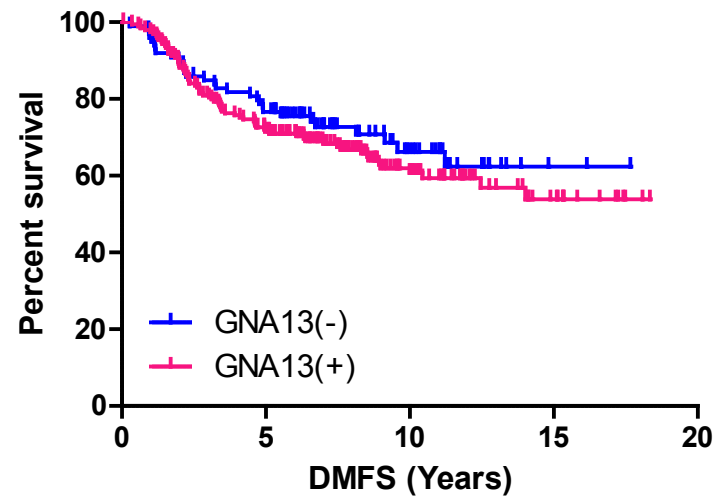
## GNA13 in NKI 295 dataset

Variables	GNA13				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	61	61.6	94	48.0	0.0356
>2cm	38	38.4	102	52.0	
LN (-)	53	53.5	98	50.0	0.6222
(+)	46	46.5	98	50.0	
Grade 1	31	31.3	44	22.4	0.0649
2	37	37.4	64	32.7	
3	31	31.3	88	44.9	
ER (-)	16	16.2	53	27.0	0.0417
(+)	83	83.8	143	73.0	
ERBB2 (-)	80	80.8	166	84.7	0.4108
(+)	19	19.2	30	15.3	
Triple(-)No	94	94.9	161	82.1	0.002
Yes	5	5.1	35	17.9	

**NKI-GNA13: P=0.6357**



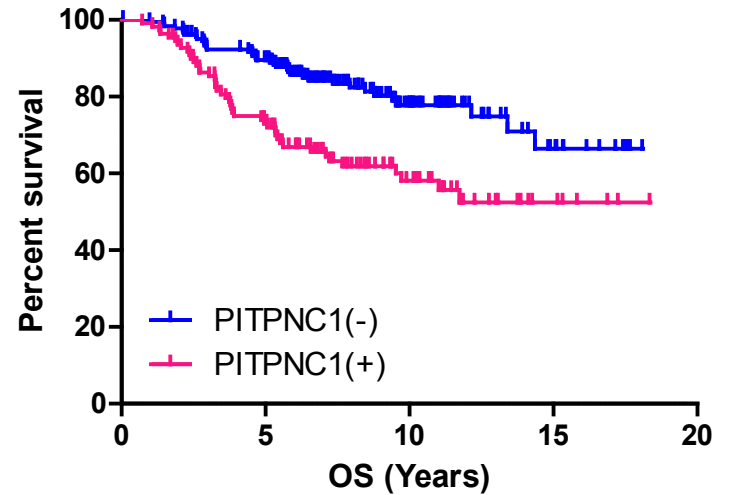
**NKI-GNA13: P=0.3682**



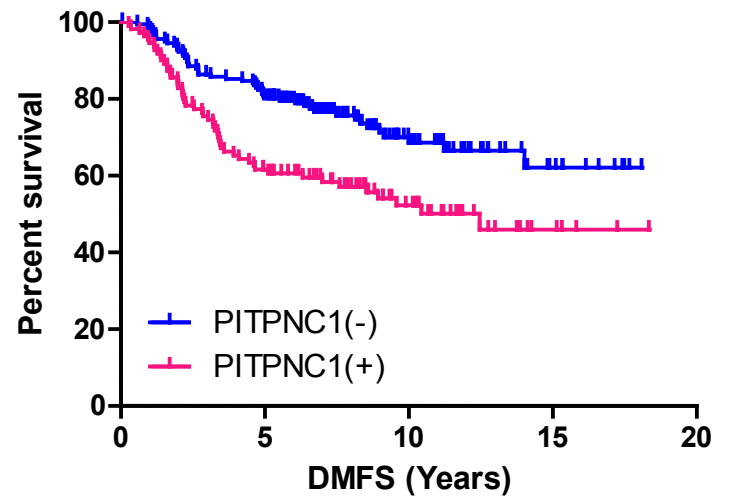
## PITPNC1 in NKI 295 dataset

Variables	PITPNC1				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	99	53.8	56	50.5	0.6307
>2cm	85	46.2	55	49.5	
LN (-)	96	52.2	55	49.5	0.7187
(+)	88	47.8	56	50.5	
Grade 1	67	36.4	8	7.2	<0.0001
2	64	34.8	37	33.3	
3	53	28.8	66	59.5	
ER (-)	25	13.6	44	39.6	<0.0001
(+)	159	86.4	67	60.4	
ERBB2 (-)	169	91.8	77	69.4	< 0.0001
(+)	15	8.2	34	30.6	
Triple(-)No	165	89.7	90	81.1	0.0524
Yes	19	10.3	21	18.9	

**NKI-PITPNC1: P=0.0002**



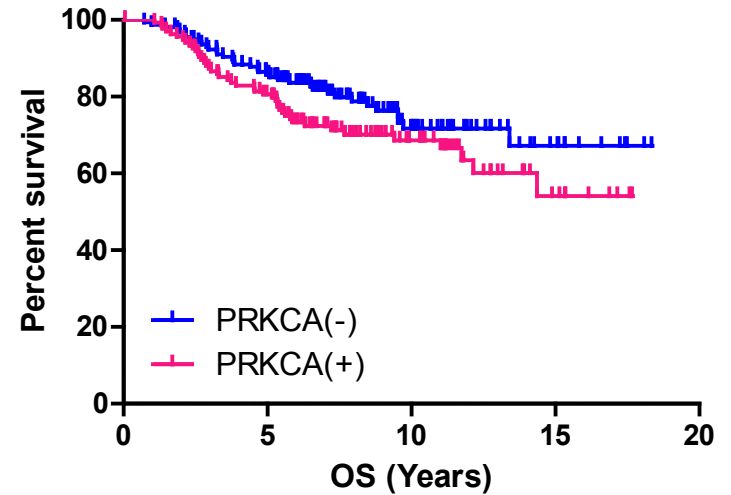
**NKI-PITPNC1: P=0.0008**



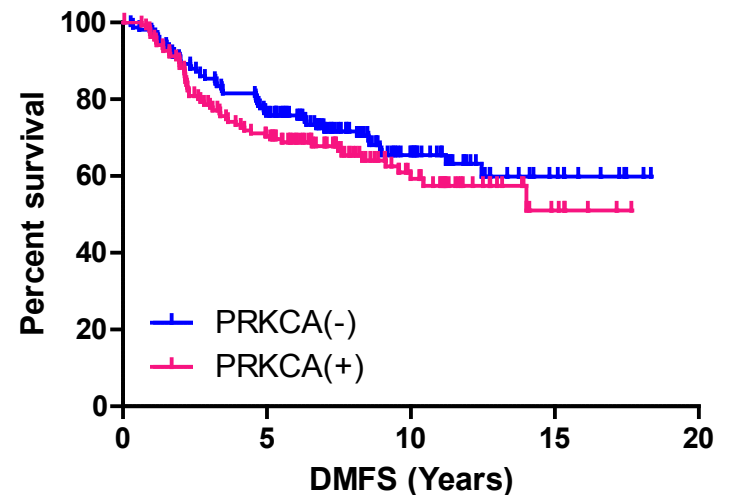
## PRKCA in NKI 295 dataset

Variables	PRKCA				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	86	54.4	69	50.4	0.559
>2cm	72	45.6	68	49.6	
LN (-)	82	51.9	69	50.4	0.8161
(+)	76	48.1	68	49.6	
Grade 1	41	25.9	34	24.8	0.9726
2	54	34.2	47	34.3	
3	63	39.9	56	40.9	
ER (-)	34	21.5	35	25.5	0.4907
(+)	124	78.5	102	74.5	
ERBB2 (-)	125	79.1	121	88.3	0.0412
(+)	33	20.9	16	11.7	
Triple(-)No	139	88.0	116	84.7	0.4957
Yes	19	12.0	21	15.3	

**NKI-PRKCA: P=0.1086**



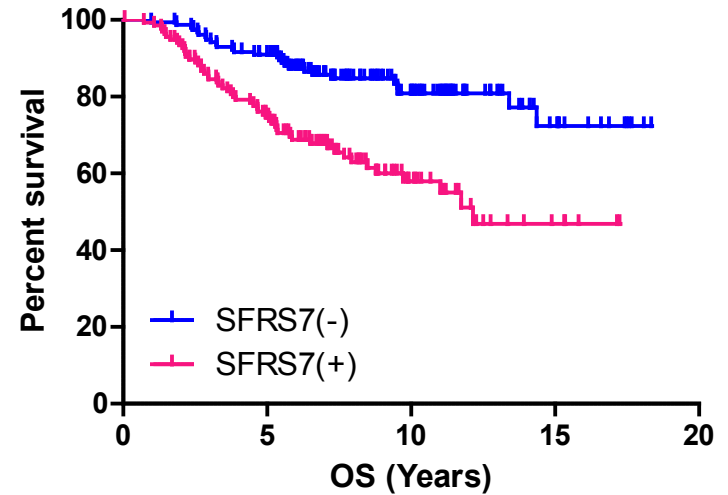
**NKI-PRKCA: P=0.2592**



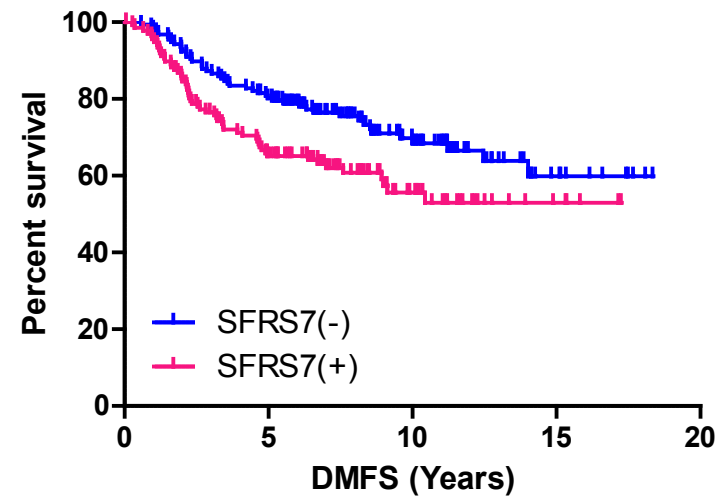
## SFRS7 in NKI 295 dataset

Variables	SFRS7				P value
	(-)		(+)		
	N	%	N	%	
Size <=2cm	94	59.9	61	44.2	0.0075
>2cm	63	40.1	77	55.8	
LN (-)	82	52.2	69	50.0	0.7272
(+)	75	47.8	69	50.0	
Grade 1	53	33.8	22	15.9	<0.0001
2	64	40.8	37	26.8	
3	40	25.5	79	57.2	
ER (-)	15	9.6	54	39.1	<0.0001
(+)	142	90.4	84	60.9	
ERBB2 (-)	134	85.4	112	81.2	0.3509
(+)	23	14.6	26	18.8	
Triple(-)No	155	98.7	100	72.5	<0.0001
Yes	2	1.3	38	27.5	

**NKI-SFRS7: P<0.0001**



**NKI-SFRS7: P=0.0118**





## CACNG4 and Her2 in UNC 245 dataset

