

Supplementary Table S1

Mapping profile of BAC-array CGH within the 9p region in 8 breast cancer cell lines and 2 normal breast cell lines (MCF10A and MCF12A)

Clone	Mb	MCF10A	MCF12A	SUM44	SUM52	SUM149	HCC38	HCC1954	HCC70	HCC2157	MDAMB436
CTB-41L13	0.22	-0.36	0.11	-1.00	-0.17	-0.26	0.91	0.82	0.81	1.45	0.53
RP11-122A20	2.64	-0.16	0.23	-0.78	-0.43	-0.45	0.88	1.45	1.15	0.99	0.74
RP11-280I16	4.41	-0.12	0.40	-0.68	-0.18	-0.22	0.93	1.66	0.94	0.96	0.51
RP11-62H18	4.58	0.01	0.28	-0.74	0.08	-0.05	1.03	1.86	0.97	1.10	0.43
RP11-125K10	4.82	-0.11	0.17	-0.57	-0.17	-0.16	0.95	1.67	1.06	0.98	0.49
RP11-39K24	4.98	-0.08	0.26	-0.63	-0.24	-0.01	0.88	1.39	0.01	0.92	0.58
CTD-2006L14	5.89	-0.03	0.30			0.63	0.88	1.62	0.95	0.92	0.52
RP11-165O14	5.96	0.05	0.34	-0.61	-0.15	0.77	0.99	1.69	1.18	0.95	0.43
RP11-50C21	10.43	0.05	0.17		-0.16	0.84	0.80	1.00	1.06	0.57	
RP11-264O11	10.58	-0.22	-0.04	-0.75	-0.37	0.82	0.82	1.52	1.08	0.93	0.01
RP11-32D4	11.59	-0.03	0.18	-0.64	0.24	1.07	0.77	1.39	NA	0.91	
RP11-58B8	11.64	0.10	0.17	-0.64	0.20	1.04	0.69	1.23	0.85	0.73	0.21
RP11-26K11	11.79	-0.05	0.32	-0.61	0.03	0.83	0.65	1.08	NA	0.52	0.51
RP11-117J18	12.63	0.07	0.48	-0.60	-0.43	0.53	0.58	NA	0.87	0.28	-0.11
RP11-115I23	13.02	0.09	0.09	-0.65	0.12	1.25	1.40	1.40	1.05	0.91	-0.30
RP11-132G20	15.86	0.06	-0.06	-0.60	0.00	0.97	0.50	1.29	0.85	0.74	
RP11-109M15	16.14	-0.10	0.47	-0.83	-0.34	0.87	0.87	1.78	1.15	1.03	-0.20
RP11-163F8	17.49	0.08		-0.57	-0.21	0.77	-0.20	1.22	1.01	0.72	-0.66
RP11-61D22	19.58	0.00	-0.43	-0.78	-0.15	1.11	-0.60	-0.07	0.98	1.10	-0.41
RMC09P006	20.33	-0.04	-0.38	-0.68	-0.20	0.29	-0.67	-0.23	-0.13	1.13	
RMC09P007	21.96	-1.96	-0.54	-0.54	-0.15	-2.50	-1.93	0.13	0.06	0.94	-0.25
CTB-65D18	21.96	-1.64	-0.53	-0.65	-0.17	-2.46	-1.08	-0.20	1.01	0.94	-0.28
RP11-33O15	22.82	-0.74	-0.54		0.09	-1.93	-1.80	-0.19	1.00	0.96	-0.24
RP11-85J5	24.52	0.01	-0.54	-0.69	-0.03	-2.01	-1.68	-0.23	0.85	0.77	-0.32
RP11-55P9	25.43	-0.15	-0.17	-0.63	-0.13		-1.86	-0.34	1.04	0.96	
RP11-57P14	27.10	0.03		-0.69	-0.16	-0.97	-3.38	-0.41	NA	1.17	-0.52
CTD-2170E19	27.29	0.08	0.24	-0.79	-0.18	-0.84		-0.26	0.91	1.12	
RP11-235F7	27.54	0.01	0.30	-0.85	-0.24	-1.05	-2.66	-0.20	0.97	0.98	-0.61
RP11-18A21	30.77	0.06	-0.03	-0.62	0.05	-0.87	-1.74	0.00	0.93	0.92	0.09

GASC1 →

P16/CDKN2A →

The BAC clones in array-CGH are ordered by base-pair position. Red indicates log 2 ratios greater than or equal to 0.5 as genomic amplification (Ref. Neve et al. Cancer Cell 10: 515-27, 2006) GASC1 is located at 6.75Mb.

Supplementary Table S2

The top 20 genes up and down-regulated by GASC1

Gene	Fold	Gene	Fold
<i>SLC3A2</i>	12.10	<i>TGFBI</i>	-47.29
<i>CALB2</i>	11.26	<i>IGFBP6</i>	-18.35
<i>CDC14B</i>	9.52	<i>RGC32</i>	-13.36
<i>KRT17</i>	9.13	<i>ANXA8</i>	-12.88
<i>S100P</i>	8.89	<i>MT1G</i>	-10.24
<i>CRYAB</i>	8.72	<i>PLAC8</i>	-9.82
<i>KRT6A</i>	7.91	<i>BASP1</i>	-8.08
<i>CPA4</i>	6.82	<i>PTTG1</i>	-6.93
<i>DSG3</i>	6.14	<i>PTMA</i>	-6.89
<i>KRT6C</i>	6.13	<i>PBK</i>	-6.53
<i>PPM2C</i>	6.06	<i>AURKB</i>	-6.26
<i>ID2</i>	5.69	<i>CCNB1</i>	-6.24
<i>TCN1</i>	5.69	<i>KIF20A</i>	-6.14
<i>HLA-B</i>	5.57	<i>DLG7</i>	-6.06
<i>COX7A1</i>	5.39	<i>TYMS</i>	-6.01
<i>AZGP1</i>	5.28	<i>CLIC3</i>	-5.99
<i>CEACAM1</i>	5.10	<i>C22orf18</i>	-5.99
<i>NOTCH1</i>	5.06	<i>CDC2</i>	-5.87
<i>CA2</i>	4.97	<i>NMU</i>	-5.86
<i>LEMD1</i>	4.93	<i>FOS</i>	-5.74