

Table S7. Frequency (%) of CHD genetic alterations and expression levels in five subtypes of Metabric breast cancers

	Gene	DNA alterations					mRNA Expression Levels		
		Amp	Gain	Diploid	Homdel	Hetloss	z score>=1	1>z score>-1	z score<=-1
Normal-Like	CHD1	0.00	1.51	97.49	1.01	0.00	9.05	72.86	18.09
	CHD2	1.01	2.01	94.97	2.01	0.00	10.05	79.40	10.55
	CHD3	0.00	1.01	90.45	8.54	0.00	18.59	69.35	12.06
	CHD4	0.00	1.51	97.49	1.01	0.00	8.54	74.87	16.58
	CHD5	0.00	1.01	96.98	2.01	0.00	3.02	92.46	4.52
	CHD6	0.00	5.53	93.97	0.50	0.00	8.54	74.37	17.09
	CHD7	2.01	10.55	86.43	0.50	0.50	10.55	75.88	13.57
	CHD8	0.00	1.51	95.98	2.51	0.00	13.57	78.39	8.04
	CHD9	1.01	0.50	91.46	7.04	0.00	24.62	68.34	7.04
Luminal A	CHD1	0.14	5.01	94.01	0.84	0.00	18.80	69.64	11.56
	CHD2	0.28	2.65	95.96	1.11	0.00	13.37	72.01	14.62
	CHD3	0.14	0.97	80.78	17.97	0.14	11.42	74.09	14.48
	CHD4	0.00	2.79	95.40	1.81	0.00	16.16	74.23	9.61
	CHD5	0.00	1.11	94.01	4.87	0.00	5.01	89.14	5.85
	CHD6	0.56	8.36	90.53	0.56	0.00	17.97	71.31	10.72
	CHD7	1.11	17.27	80.22	1.39	0.00	9.61	73.12	17.27
	CHD8	0.00	1.53	96.38	2.09	0.00	14.07	76.46	9.47
	CHD9	0.42	2.79	57.80	38.72	0.28	13.65	70.19	16.16
Luminal B	CHD1	0.00	5.74	91.80	2.25	0.20	24.80	68.03	7.17
	CHD2	1.23	4.92	91.60	2.25	0.00	18.65	67.21	14.14
	CHD3	0.00	0.41	74.18	25.20	0.20	13.11	74.59	12.30
	CHD4	0.20	5.33	90.57	3.69	0.20	11.68	72.13	16.19
	CHD5	0.00	1.84	85.66	12.30	0.20	5.74	87.50	6.76
	CHD6	1.43	21.72	75.82	0.82	0.20	29.51	62.30	8.20
	CHD7	4.71	34.43	59.22	1.64	0.00	25.00	54.71	20.29
	CHD8	0.20	4.30	92.21	3.28	0.00	13.52	69.06	17.42
	CHD9	0.20	3.89	63.52	31.76	0.61	9.22	66.39	24.39
HER2	CHD1	0.00	1.67	94.17	4.17	0.00	8.33	65.42	26.25
	CHD2	0.42	5.00	92.92	1.67	0.00	17.92	64.17	17.92
	CHD3	0.00	0.00	92.92	7.08	0.00	16.25	67.50	16.25
	CHD4	0.00	5.00	94.17	0.83	0.00	25.83	57.92	16.25
	CHD5	0.00	1.67	92.50	5.83	0.00	11.25	85.42	3.33
	CHD6	0.00	10.00	88.75	0.83	0.42	19.17	70.42	10.42
	CHD7	2.92	29.17	66.25	1.25	0.42	39.58	50.83	9.58
	CHD8	0.00	5.00	93.33	1.67	0.00	28.75	57.50	13.75
	CHD9	1.25	4.58	87.92	5.83	0.42	21.67	61.67	16.67
Basal-Like	CHD1	0.00	0.91	85.41	13.68	0.00	1.52	71.12	27.36
	CHD2	0.30	9.73	85.71	4.26	0.00	15.81	65.65	18.54
	CHD3	0.00	0.61	92.71	6.69	0.00	14.59	74.47	10.94
	CHD4	3.04	20.06	75.99	0.91	0.00	17.63	64.74	17.63
	CHD5	0.00	3.04	91.79	5.17	0.00	7.60	88.75	3.65
	CHD6	0.30	8.21	90.27	1.22	0.00	6.08	65.96	27.96
	CHD7	2.74	22.49	73.56	1.22	0.00	52.28	44.07	3.65
	CHD8	0.30	2.74	90.58	6.38	0.00	10.94	65.96	23.10
	CHD9	0.30	3.04	91.19	5.17	0.30	11.85	68.09	20.06