

Table III. Assessment of the biomarkers' capability to predict site of relapse in independent data. Cox model for each bone-metastasis-specific genes (A) and lung-metastasis-specific genes (B) extracted from the networks using bone metastasis free survival and lung metastasis free survival as outcome, respectively (dataset GSE2603) C. Cox model for each brain-metastasis-specific gene included in the network using brain metastasis free survival as outcome (dataset GSE12276).

A.

Gene.Symbol	Affymetrix ID	HR*	CI**	p-value
NCF1	204961_s_at	1.237	[0.821, 1.864]	0.309
	214084_x_at	1.182	[0.684, 2.041]	0.549
PSTPIP1	211178_s_at	1.029	[0.389, 2.724]	0.954
SRGN	201858_s_at	1.061	[0.552, 2.036]	0.860
	201859_at	0.771	[0.328, 1.81]	0.550
CD4	203547_at	0.738	[0.384, 1.416]	0.361
	216424_at	1.420	[0.57, 3.535]	0.452
LCP2	205270_s_at	1.161	[0.571, 2.363]	0.679
	205269_at	2.026	[0.713, 5.759]	0.185
CXCL12	209687_at	1.732	[0.968, 3.098]	0.064
	203666_at	2.310	[0.912, 5.848]	0.077
PTPRC	212587_s_at	0.826	[0.481, 1.419]	0.489
	207238_s_at	1.091	[0.654, 1.822]	0.738
	212588_at	1.048	[0.504, 2.178]	0.899
FLI1	210786_s_at	2.066	[0.623, 6.85]	0.235
	204236_at	1.135	[0.537, 2.401]	0.739
ZEB2	203603_s_at	1.241	[0.512, 3.006]	0.632
PRPF19	203103_s_at	0.398	[0.103, 1.535]	0.181
HMGCS1	205822_s_at	1.160	[0.423, 3.179]	0.773
	221750_at	0.980	[0.375, 2.562]	0.967

B.

Gene.Symbol	Affymetrix ID	HR*	CI**	p-value
ITGB8	211488_s_at	1.509	[0.702, 3.244]	0.292
	205816_at	1.491	[0.862, 2.579]	0.153
DSC2	204750_s_at	1.764	[1.126, 2.764]	0.013
	204751_x_at	2.130	[1.126, 4.03]	0.020
PIGR	204213_at	0.730	[0.434, 1.226]	0.234
SEGB1A1	205725_at	1.290	[0.698, 2.385]	0.417
SFTPA2	218835_at	1.197	[0.657, 2.179]	0.558

C.

Gene.Symbol	Affymetrix ID	HR*	CI**	p-value
FBXO11	222119_s_at	0.378	[0.046, 3.127]	0.367
	219208_at	1.057	[0.466, 2.395]	0.895
	203255_at	2.207	[0.638, 7.636]	0.211
NR3C1	201865_x_at	1.594	[0.625, 4.066]	0.329
	211671_s_at	1.680	[0.709, 3.977]	0.238
	216321_s_at	1.336	[0.554, 3.226]	0.519
	201866_s_at	1.921	[0.595, 6.204]	0.275
DDIT3	209383_at	1.063	[0.308, 3.672]	0.922
LIG1	202726_at	1.089	[0.329, 3.608]	0.888
FGF1	208240_s_at	1.283	[0.536, 3.069]	0.576
	1552721_a_at	1.562	[0.732, 3.332]	0.249
	205117_at	1.100	[0.575, 2.106]	0.773
TFDP2	203588_s_at	1.219	[0.478, 3.111]	0.679
	203589_s_at	1.641	[0.621, 4.335]	0.318
	226157_at	0.408	[0.115, 1.448]	0.165
	244043_at	0.549	[0.316, 0.956]	0.034
INHA	210141_s_at	0.856	[0.365, 2.005]	0.720

*HR: Hazard Ratio
**CI: 95% Confidence Interval