Supplementary Table 3: Median±MAD of inferred edge weights w_{ij} using the LP model on the ErbB signaling data where i corresponds to genes of the ith row and j to genes of the jth column. If the MAD is not given explicitly, it is equal to zero.

	CDK2	CDK4	CDK6	Cyclin D1	Cyclin E1	ERalpha	ERBB1	ERBB2	ERBB3	IGF1R	MYC	p21	p27	pAKT1	pERK1/2	pRB1
CDK2	0	0	0	0	0	0	0	0	0	0	0	-0.14±0.21	0	0.25±0.37	0	0.33±0.27
CDK4	0	0	0	0	0	0	0.4±0.05	0.69	0	0	0	0	0	0	0	0.44±0.18
CDK6	0	0	0	0	0	0.95	0	0	0	0	0	0	0	0	0	0
Cyclin D1	-0.36±0.05	0	0	0	0	0	0	0	0	0	0	0.39±0.02	0.59±0.32	0.16±0.06	0.18±0.03	0.01±0.02
Cyclin E1	0	0	0	0	0	0	0	0	0	0.95	0	0	0	0	0	0
ERalpha	0	0	0	0	0	0	0	0	0	0	0.95	0	0	0	0	0
ERBB1	0	0	0	0	0	0	0	0.21	0	0	0	-0.2±0.07	0.36	0.03±0.05	0	-0.04±0.06
ERBB2	1±0.07	0.21±0.05	0	0	0	0	0.42±0.06	0	0	0	0	0	0	0	0	-0.02±0.03
ERBB3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGF1R	0	0	0	0	0.95	0	0	0	0	0	0	0	0	0	0	0
MYC	0	0	0.95	0	0	0	0	0	0	0	0	0	0	0	0	0
p21	-1.07±0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	1.62±0.03	0
p27	0	0.25	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0
pAKT1	0	0	0	0.26	0	0	0	0	0	0	0	0	-0.2±0.3	0	0	0.31±0.15
pERK1.2	0±0.01	0	0	0	0	0	-0.02±0.02	0	0	0	0	0.72±0.14	0	0	0	0
pRB1	0.45±0.11	0.67±0.05	0	0.05	0	0	0.06	0	0	0	0	0	0.06±0.08	0.35±0.19	-0.6±0.06	0