

Table S1. Genes analyzed in the commercially available breast cancer expression signatures.

Oncotype DX [82]	Mammaprint [83]	Endopredict [84]	Prosigna/PAM50 [85]	Breast Cancer Index [86,87]
Proliferation genes	AL080059	Genes of interest	ACTR3B	Molecular grade index (MGI)
Ki67	Contig63649_RC	BIRC5	ANLN	BUB1B
STK15	Contig46218_RC	UBE2C	BAG1	CENPA
Survivin	LOC51203	DHCR7	BCL2	NEK2
CCNB1 (Cyclin B1)	AA555029_RC	RBBP8	BIRC5	RACGAP1
MYBL2	ALDH4	IL6ST	BLVRA	RRM2
	Contig38288_RC	AZGP1	CCNB1	
Invasion genes	FGF18	MGP	CCNE1	
MMP11 (Stromolysin 3)	Contig28552_RC	STC2	CDC20	Ratio between:
	Contig32125_RC		CDC6	HOXB13
CTSL2 (Cathepsin L2)	BBC3	Normalization Genes	CDH3	IL17BR
	AL137718	CALM2	CENPF	
HER2 genes	KIAA1442	OAZ1	CEP55	
GRB2	DC13	RPL37A	CXXC5	
HER2	CEGP1		EGFR	
	EXT1	Control Gene	ERBB2	
Estrogen genes	FLT1	HBB	ESR1	
ER	GNAZ		EXO1	
PGR	OXCT		FGFR4	
BCL2	MMP9		FOXA1	
SCUBE2	Contig55377_RC		FOXC1	
	Contig35251_RC		GPR160	
Other genes	ECT2		GRB7	
GSTM1	GMPS		KIF2C	
CD68	HEC		KRT14	
BAG1	WISP1		KRT17	
	PK428		KRT5	
Reference genes	SERF1A		MAPT	
ACTB (b-actin)	FLJ12443		MDM2	
GAPDH	GSTM3		MELK	
RPLPO	Contig32185_RC		MIA	
GUS	RAB6B		MKI67	
TFRC	Contig48328_RC		MLPH	
	Contig46223_RC		MMP11	
	UCH37		MYBL2	
	PECI		MYC	
	AK000745		NAT1	
	Contig40831_RC		NDC80	
	TGFB3		NUF2	
	KIAA0175		ORC6L	
	COL4A2		PGR	
	L2DTL		PHGDH	
	HSA250839		PTTG1	
	DCK		RRM2	
	FLJ22477		SFRP1	
	DKFZP564D0462		SLC39A6	
	SLC2A3		TMEM45B	
	AF257175		TYMS	
	ORC6L			

RFC4	UBE2C
Contig55725_RC	UBE2T
Contig24252_RC	
CFFM4	
MCM6	
AP2B1	
TMEFF1	
IGFBP5	
LOC57110	
MP1	
IGFBP5	
NMU	
AKAP2	
FLJ11354	
PRC1	
Contig20217_RC	
CENPA	
SM-20	
CCNE2	
ESM1	
FLJ11190	
