Supplementary Table 1

for Huang HE et al, 'A recurrent chromosome breakpoint in breast cancer at the *NRG1*/*neuregulin 1*/*heregulin* gene'

Proteins tested by immunohistochemistry on tissue microarrays and characteristics of the corresponding antibodies.

Protein (acronym)	Antibody Type	Origin	Clone or designation	Pretreatment	Antibody incubation	Dilution
Epidermal growth factor receptor (EGFR)	mmab	Zymed Laboratories	31G7	Pepsin (30 min, 37°C)	1 hour	1/20
Tyrosine kinase receptor ErbB2	mmab	Novocastra Laboratories	CB 11	Citrate buffer pH6 (40min, 98°C)	1 hour	1/500
Tyrosine kinase receptor ErbB3	mmab	Gullick WJ*	RTJ1	Citrate buffer pH6 (40min, 98°C)	1 hour	1/200
Tyrosine kinase receptor ErbB4	mmab	Gullick WJ*	HFR1	Citrate buffer pH6 (40min, 98°C)	1 hour	1/200
Estrogen receptor (ER)	mmab	Novocastra Laboratories	6F11	Citrate buffer pH6 (40min, 98°C)	1 hour	1/60
Fibroblast growth factor receptor 1 (FGFR1)	rpab	Santa Cruz Biotechnology	Sc-121	DTRS (40 min, 98°C)	1 hour	1/200
Transforming acidic coiled-coil 1/Taxin 1 (TACC1)	rpab	Upstate Biotechnology	07-229	DTRS (40 min, 98°C)	1 hour	1/200
Heregulin/Neuregulin (NRG1α)	rpab	Gullick WJ*	HRG76	-	18 hours	3µg/ml
Heregulin/Neuregulin (NRG1β)	rpab	Gullick WJ*	HRG102	-	18 hours	3 µg/ml

mmab: mouse monoclonal antibody; rpab: rabbit polyclonal antibody; DTRS: Dako target retrieval solution. *Ref. 8.

Conditions for the two anti-NRG1 antibodies are given in main text. For the other antibodies, antigen retrieval pretreatment was done. Slides were transferred to a Dako autostainer, except for Dako-HercepTest^{TM} where guidelines are imposed by the manufacturer. Endogenous peroxidase activity was quenched by treatment with 0.1% H_2O_2, then slides were pre-incubated with blocking serum. Slides were incubated sequentially with the affinity-purified antibody for one or two hours; biotinylated antibody against rabbit IgG for 20 min; streptavidin-conjugated peroxidase (Dako LSAB^{R}2 kit); and peroxidase substrate, diaminobenzidine. For ErbB2, status was defined using the Dako scale (0 to 3+)