

**Supplementary Table S1: Datasets used in the study (n=40)**

**Datasets used in the study:**

<b>Dataset *</b>	<b>Data source</b>	<b>Number of samples</b>	<b>Reference (PubMed link)</b>	<b>Ref.</b>
Stockholm	GSE1456	159	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16280042">http://www.ncbi.nlm.nih.gov/pubmed/16280042</a>	1
EORTC	GSE1561	49	<a href="http://www.ncbi.nlm.nih.gov/pubmed/15897907">http://www.ncbi.nlm.nih.gov/pubmed/15897907</a>	2
Rotterdam-EMC344	GSE2034, GSE5327	344	<a href="http://www.ncbi.nlm.nih.gov/pubmed/15721472">http://www.ncbi.nlm.nih.gov/pubmed/15721472</a> , <a href="http://www.ncbi.nlm.nih.gov/pubmed/17420468">17420468</a>	3,4
expO	GSE2109	301	<a href="http://www.intgen.org/expo/">http://www.intgen.org/expo/</a>	
New York	GSE2603	99	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16049480">http://www.ncbi.nlm.nih.gov/pubmed/16049480</a>	5
Oxford-Untreated	GSE2990 (n=61), GSE6532 (n=8)	69	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16478745">http://www.ncbi.nlm.nih.gov/pubmed/16478745</a>	6
Uppsala	GSE3494 (n=251), GSE6232 (n=5), GSE4922 (n=1), GSE2990 (n=1)	258	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16141321">http://www.ncbi.nlm.nih.gov/pubmed/16141321</a> ,%2 <a href="http://www.ncbi.nlm.nih.gov/pubmed/017079448">017079448</a>	7,8
Boston	GSE3744	40	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16473279">http://www.ncbi.nlm.nih.gov/pubmed/16473279</a>	9
Signapore	GSE5364	183	<a href="http://www.ncbi.nlm.nih.gov/pubmed/18636107">http://www.ncbi.nlm.nih.gov/pubmed/18636107</a>	10
Edinburgh	GSE5462	116	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17885619">http://www.ncbi.nlm.nih.gov/pubmed/17885619</a>	11
London	GSE6532	87	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17401012">http://www.ncbi.nlm.nih.gov/pubmed/17401012</a>	12
Oxford-Tamoxifen	GSE6532	109	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16478745">http://www.ncbi.nlm.nih.gov/pubmed/16478745</a>	6
Berlin	GSE6596	24	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17410534">http://www.ncbi.nlm.nih.gov/pubmed/17410534</a>	13
TransBIG	GSE7390	198	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17545524">http://www.ncbi.nlm.nih.gov/pubmed/17545524</a>	14
London-2	GSE9195	77	<a href="http://www.ncbi.nlm.nih.gov/pubmed/18498629">http://www.ncbi.nlm.nih.gov/pubmed/18498629</a>	15
Tampa	GSE10780	39	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19266279">http://www.ncbi.nlm.nih.gov/pubmed/19266279</a>	16
Mainz	GSE11121	200	<a href="http://www.ncbi.nlm.nih.gov/pubmed/18593943">http://www.ncbi.nlm.nih.gov/pubmed/18593943</a>	17
Veridex-Tam	GSE12093	136	<a href="http://www.ncbi.nlm.nih.gov/pubmed/18821012">http://www.ncbi.nlm.nih.gov/pubmed/18821012</a>	18
Rotterdam-EMC204	GSE12276	204	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19421193">http://www.ncbi.nlm.nih.gov/pubmed/19421193</a>	19
Genentech	GSE12763	30	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19567590">http://www.ncbi.nlm.nih.gov/pubmed/19567590</a>	20
Paris	GSE13787	23	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19055754">http://www.ncbi.nlm.nih.gov/pubmed/19055754</a>	21
BIG1-98	GSE16391	55	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19573224">http://www.ncbi.nlm.nih.gov/pubmed/19573224</a>	14
TOP	GSE16446	120	<a href="http://www.ncbi.nlm.nih.gov/pubmed/21422418">http://www.ncbi.nlm.nih.gov/pubmed/21422418</a>	22
MDA100	GSE16716	100	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20064235">http://www.ncbi.nlm.nih.gov/pubmed/20064235</a>	23
SET1	GSE17705	103	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20697068">http://www.ncbi.nlm.nih.gov/pubmed/20697068</a>	24
SET2	GSE17705	195	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20697068">http://www.ncbi.nlm.nih.gov/pubmed/20697068</a>	24
IPC_HER2	GSE17907	51	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20932292">http://www.ncbi.nlm.nih.gov/pubmed/20932292</a>	25
Seattle	GSE18728	21	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20012355">http://www.ncbi.nlm.nih.gov/pubmed/20012355</a>	26
Boston_Neo-Cisplatin	GSE18864	84	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20100965">http://www.ncbi.nlm.nih.gov/pubmed/20100965</a>	27
Boston_2	GSE19615	115	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20098429">http://www.ncbi.nlm.nih.gov/pubmed/20098429</a>	28
StLouis	GSE19697	24	<a href="http://www.ncbi.nlm.nih.gov/pubmed/19967557">http://www.ncbi.nlm.nih.gov/pubmed/19967557</a>	29
Edinburgh	GSE20181	60	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20697427">http://www.ncbi.nlm.nih.gov/pubmed/20697427</a>	11
MAQC_add_GSE20194	GSE20194	45	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20676074">http://www.ncbi.nlm.nih.gov/pubmed/20676074</a>	30
MDA_139	GSE20271 (n=139 additional to MDA133, GSE16716, and GSE20194)	139	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20829329">http://www.ncbi.nlm.nih.gov/pubmed/20829329</a>	31
IPC	GSE21653	266	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20490655">http://www.ncbi.nlm.nih.gov/pubmed/20490655</a>	32
St-Cloud	GSE22035	43	<a href="http://www.ncbi.nlm.nih.gov/pubmed/21209903">http://www.ncbi.nlm.nih.gov/pubmed/21209903</a>	33
Nashville	GSE22513	28	<a href="http://www.ncbi.nlm.nih.gov/pubmed/20068102">http://www.ncbi.nlm.nih.gov/pubmed/20068102</a>	34
San Francisco	<a href="http://www.ebi.ac.uk/arrayexpress/experiments/E-TABM-158">http://www.ebi.ac.uk/arrayexpress/ experiments/E-TABM-158</a>	118	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17157792">http://www.ncbi.nlm.nih.gov/pubmed/17157792</a>	35
Neo-Trastuzumab	<a href="https://array.nci.nih.gov/caarray/project/harri-00137">https://array.nci.nih.gov/caarray/pr oject/harri-00137</a>	22	<a href="http://www.ncbi.nlm.nih.gov/pubmed/17317830">http://www.ncbi.nlm.nih.gov/pubmed/17317830</a>	36
MDA133	<a href="http://bioinformatics.mdanderson.org/pubdata.html">http://bioinformatics.mdanderson.o rg/pubdata.html</a>	133	<a href="http://www.ncbi.nlm.nih.gov/pubmed/16896004">http://www.ncbi.nlm.nih.gov/pubmed/16896004</a>	37
<b>TOTAL:</b>		<b>4467</b>		

**\* Remarks:** The complete *TransBIG* dataset contains independent replicate samples from 19 patients of the *Uppsala* cohort and 22 patients of the *Oxford-Untreated* cohort. Datasets "MAQC\_add\_GSE20194" and "MDA\_139" contain only the subsets of 45 and 139 nonredundant samples from the GEO series GSE20194 and GSE20271, respectively, which are not already covered by the *MDA133* and *MDA100* datasets.

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