

**Supplementary Table S5: Prognostic value of OPG and PgR in individual datasets (sort order according HR of OPG)**

dataset	dataset pool	samples with follow up	OPG							Progesteron Receptor						
			n high opg	n low opg	% low OPG	HR Uni-Cox	95% CI lower	95% CI upper	P-Value	PgR-pos	PgR-neg	% PgR-neg	HR Uni-Cox	95% CI lower	95% CI upper	P-Value
London	#1	85	66	19	22%	0.26	0.11	0.62	<b>0.003</b>	67	18	21%	0.64	0.25	1.67	0.360
Mainz	#1	164	86	78	48%	0.34	0.15	0.78	<b>0.010</b>	129	35	21%	0.31	0.15	0.65	<b>0.002</b>
BIG1-98	#1	52	43	9	17%	0.39	0.10	1.52	0.175	41	11	21%	0.54	0.14	2.09	0.369
Rotterdam	#1	208	54	154	74%	0.47	0.25	0.86	<b>0.015</b>	130	78	38%	0.46	0.29	0.72	<b>0.001</b>
TransBIG	#1	132	70	62	47%	0.47	0.27	0.81	<b>0.007</b>	110	22	17%	0.58	0.31	1.12	0.103
Oxford-Tamoxifen	#1	106	43	63	59%	0.48	0.21	1.08	0.075	80	26	25%	0.48	0.23	1.04	0.061
Veridex-Tam	#1	135	56	79	59%	0.53	0.19	1.47	0.220	98	37	27%	0.54	0.21	1.40	0.205
Stockholm	#2	122	28	94	77%	0.74	0.28	1.96	0.550	70	52	43%	0.79	0.37	1.68	0.540
San Francisco	#2	78	39	39	50%	0.77	0.36	1.64	0.500	53	25	32%	1.18	0.52	2.70	0.696
Uppsala	#2	199	42	157	79%	0.79	0.43	1.43	0.430	139	60	30%	1.12	0.66	1.90	0.665
IPC	#2	136	87	49	36%	0.85	0.45	1.59	0.600	120	16	12%	0.86	0.34	2.20	0.757
Oxford-Untreated	#2	45	12	33	73%	0.86	0.23	3.13	0.820	34	11	24%	0.64	0.19	2.13	0.468
Boston_2	#2	68	53	15	22%	0.87	0.09	8.33	0.900	51	17	25%	0.97	0.10	9.28	0.976
IPC_HER2	#2	10	8	2	20%	0.90	0.09	9.09	0.930	5	5	50%	0.14	0.01	1.41	0.095
New York	#2	45	16	29	64%	0.93	0.28	3.13	0.910	27	18	40%	2.28	0.62	8.44	0.217
SET2	#2	183	28	155	85%	1.02	0.45	2.27	0.970	106	77	42%	0.73	0.40	1.32	0.290
London-2	#2	73	35	38	52%	1.03	0.33	3.23	0.960	61	12	16%	1.00	0.22	4.58	0.998
SET1	#2	100	41	59	59%	1.12	0.45	2.86	0.800	75	25	25%	2.04	0.59	7.05	0.260
<b>dataset pool #1</b>		882	418	464	53%	0.43	0.33	0.57	<b>&lt; 0.001</b>	655	227	26%	0.47	0.36	0.61	<b>&lt; 0.001</b>
<b>dataset pool #2</b>		1059	389	670	63%	0.88	0.69	1.14	0.341	741	318	30%	1.02	0.79	1.32	0.898
<b>All samples</b>		1941	807	1134	58%	0.64	0.53	0.77	<b>&lt; 0.001</b>	1396	545	28%	0.72	0.60	0.86	<b>&lt; 0.001</b>