

**Table S1. Microarray expression data for 5-week-old mammary glands**

TEBs (Cy5) versus stroma (Cy3)

Gene	UniGene	Array 1		Array 2		Array 3		Array 4		Array 5		Array 6	
		M	A	M	A	M	A	M	A	M	A	M	A
<i>Adam9</i>	Mm.28908	-1.283	10.517	-1.118	9.57	-0.784	9.825	-0.96	8.69	-1.349	10.368	-0.834	10.502
<i>Adam10</i>	Mm.3037	0.186	10.466	-0.055	9.95	0.545	10.582	0.814	11.286	0.373	11.083	0.928	11.645
<i>Adam10</i>	Mm.3037	0.542	9.233	0.254	8.897	0.6	8.807	1.195	9.245	0.381	8.615	0.973	9.532
<i>Adam12</i>	Mm.41158	-0.033	9.753	-0.193	9.117	-0.769	10.196	0.234	9.55	-0.62	8.899	0.282	9.992
<i>Adam15</i>	Mm.19830	0.473	10.47	0.296	9.615	-0.025	9.923	-0.058	9.745	-0.202	10.321	0.164	10.581
<i>Adam17</i>	Mm.27681	-0.325	10.212	-0.52	10.127	0.063	10.145	0.03	10.696	-0.233	10.552	0.156	11.098
<i>Adam19</i>	Mm.89940	0.445	9.977	0.532	9.557	0.331	9.703	0.374	10.339	0.369	10.439	0.578	10.396
<i>Adam33</i>	Mm.44960	-0.465	8.565	-0.146	8.664	-0.33	8.638	-0.569	7.992	-0.516	8.617	-1.039	9.115
<i>Areg</i>	Mm.8039	3.716	10.043	2.891	9.038	3.717	10.393	3.482	9.297	4.284	9.846	3.744	9.572
<i>Btc</i>	Mm.2024	-0.01	8.571	-0.114	8.147	0.372	7.879	0.753	8.842	0.717	8.31	0.175	8.422
<i>Hbegf</i>	Mm.4661	0.272	7.864	0.048	8.048	0.153	7.619	0.153	7.64	0.073	7.846	0.067	8.226
<i>Egf</i>	Mm.1341	-0.053	8.211	-0.001	7.913	-0.186	7.658	0.133	7.462	-0.151	7.803	0.054	7.993
<i>Epgn</i>	Mm.53278	-0.017	7.947	0.058	8.214	0.108	7.46	0.016	7.558	0.353	7.729	0.572	7.873
<i>Ereg</i>	Mm.4791	0.004	7.998	0.454	7.61	-0.043	7.694	0.257	7.53	-0.11	7.631	0.131	7.923
<i>Tgfa</i>	Mm.275755	0.915	8.502	0.303	8.441	0.7	8.112	0.731	8.154	1.199	8.228	1.068	8.558
<i>Nrg3</i>	Mm.6213	0.043	7.992	0.115	8.154	0.032	7.486	0.17	7.343	0.144	7.875	0.122	7.927
<i>Nrg4</i>	Mm.230205	-1.662	10.47	-1.611	11.237	-1.982	10.233	-2.122	10.477	-1.467	10.61	-1.869	11.311
<i>Tnf</i>	Mm.1293	0.204	7.996	0.266	8.565	0.009	7.955	0.537	7.842	0.06	7.712	0.275	8.355
<i>Egfr</i>	Mm.8534	0.087	10.45	0.453	9.604	-0.238	9.801	0.576	10.912	-0.614	11.081	0.135	11.075
<i>ErbB4</i>	Mm.57113	-0.134	7.858	0.074	8.284	0.035	7.996	0.206	7.774	0.025	8.022	-0.083	8.147
<i>Timp1</i>	Mm.8245	2.785	10.605	2.364	9.699	2.405	10.111	3.171	10.749	2.557	10.284	3.369	10.468
<i>Timp2</i>	Mm.206505	0.107	11.243	0.358	10.219	-0.189	10.122	0.089	10.34	-0.266	7.328	-0.295	11.475
<i>Timp3</i>	Mm.4871	-1.562	11.032	-1.902	10.891	-1.349	10.809	-1.278	11.467	-1.785	11.295	-1.586	11.434
<i>Timp4</i>	Mm.36851	-0.643	8.991	-0.659	8.369	-0.696	8.387	-1.228	8.509	-1.156	8.812	-0.87	9.024
<i>Krt1-14</i>	Mm.6974	0.971	9.136	1.779	9.602	1.299	9.332	1.596	9.01	1.663	9.454	1.705	9.79
<i>Krt1-18</i>	Mm.22479	4.971	12.214	4.99	10.967	4.7	11.203	5.466	11.02	5.408	11.279	5.623	11.625
<i>Ucp1</i>	Mm.4177	-3.33	14.116	-3.565	14.113	-3.911	13.608	-3.515	13.868	-2.964	13.38	-3.976	13.683
<i>Hprt1</i>	Mm.18675	0.236	11.031	-0.235	9.951	-0.045	10.15	0.148	10.307	0.058	10.086	-0.192	11.447

## Ducts (Cy5) versus stroma (Cy3)

		Array 1		Array 2		Array 3		Array 4		Array 5		Array 6	
Gene	UniGene	M	A	M	A	M	A	M	A	M	A	M	A
<i>Adam9</i>	Mm.28908	-0.118	10.535	0.006	10.745	-0.051	10.596	-0.022	12.726	-0.076	11.437	-0.365	12.075
<i>Adam10</i>	Mm.3037	1.064	10.913	1.402	11.764	1.271	11.567	0.846	11.485	1.255	11.708	1.196	11.04
<i>Adam10</i>	Mm.3037	0.622	9.449	0.635	9.451	0.3	9.041	0.318	10.307	0.478	9.436	0.898	9.719
<i>Adam12</i>	Mm.41158	-0.498	9.139	-0.019	9.284	-0.924	9.648	-0.654	9.157	-0.562	9.854	-0.23	8.817
<i>Adam15</i>	Mm.19830	0.108	9.964	0.058	9.31	0.006	10.315	0.119	10.584	0.151	10.889	0.087	9.689
<i>Adam17</i>	Mm.27681	0.109	11.058	-0.174	10.986	0.082	10.836	0.193	11.336	0.267	10.991	-0.245	10.393
<i>Adam19</i>	Mm.89940	0.253	9.849	0.273	10.143	-0.049	10.177	0.029	10.939	0.035	10.248	-0.019	10.171
<i>Adam33</i>	Mm.44960	0.124	8.9	-0.094	9.01	-0.058	9.237	0.027	8.916	0.047	9.129	0.032	8.729
<i>Areg</i>	Mm.8039	3.756	10.43	3.074	9.393	3.828	10.193	1.375	8.325	3.589	9.584	3.41	9.461
<i>Btc</i>	Mm.2024	0.175	8.39	0.096	8.358	0.613	8.355	0.391	8.802	0.314	8.196	0.853	8.747
<i>Hbegf</i>	Mm.4661	-0.055	8.121	0.103	8.303	-0.068	7.88	0.044	8.151	0.123	7.95	0.123	7.953
<i>Egf</i>	Mm.1341	-0.01	8.234	0.059	8.178	-0.267	7.662	-0.149	8.926	0.176	7.743	-0.166	7.994
<i>Epgn</i>	Mm.53278	-0.031	8.2	-0.059	9.626	-0.063	7.59	-0.055	7.982	0.072	7.677	0.058	7.934
<i>Ereg</i>	Mm.4791	0.019	8.092	0.342	7.981	0.026	7.807	-0.12	7.594	0.018	7.675	0.107	7.7
<i>Tgfa</i>	Mm.275755	0.085	8.283	0.184	8.49	0.67	8.177	0.63	8.46	0.03	7.868	0.129	8.164
<i>Nrg3</i>	Mm.6213	0.044	8.277	0.04	8.111	-0.042	7.459	-0.022	8	-0.025	7.66	0.052	7.78
<i>Nrg4</i>	Mm.230205	-0.873	11.428	-0.807	12.312	-0.72	11.371	-0.656	11.753	-0.648	12.023	-1.03	11.369
<i>Tnf</i>	Mm.1293	0.279	8.346	-0.009	8.154	-0.006	7.821	-0.221	8.169	-0.016	7.901	-0.052	7.974
<i>Egfr</i>	Mm.8534	0.429	10.452	1.012	10.925	-0.004	11.183	0.204	11.419	0.232	11.155	0.088	11.703
<i>ErbB4</i>	Mm.57113	0.447	8.213	0.387	8.232	0.918	7.837	0.104	8.356	0.026	7.823	0.111	8.101
<i>Timp1</i>	Mm.8245	0.414	9.35	0.963	9.204	0.119	9.398	-0.389	9.96	1.079	9.865	0.897	10.028
<i>Timp2</i>	Mm.206505	0.226	11.055	0.586	10.944	-0.226	10.609	0.155	12.86	-0.115	12.236	0.03	12.087
<i>Timp3</i>	Mm.4871	-0.036	11.727	0.113	12.54	0.384	12.344	0.279	12.071	0.108	12.357	-0.13	11.883
<i>Timp4</i>	Mm.36851	-0.548	8.764	-0.362	8.238	-0.629	9.403	-0.941	9.126	-0.738	9.461	-0.546	8.713
<i>Krt1-14</i>	Mm.6974	2.188	10.321	2.875	11.096	2.121	10.164	3.416	10.785	3.166	10.628	2.947	10.438
<i>Krt1-18</i>	Mm.22479	4.464	11.632	4.146	10.633	4.885	11.437	5.576	12.826	5.461	11.827	5.356	12.285
<i>Ucp1</i>	Mm.4177	-1.684	15.155	-2.38	14.821	-1.558	14.655	-0.833	15.827	-1.002	15.548	-3.454	13.643
<i>Hprt1</i>	Mm.18675	0.016	10.927	0.133	10.2	-0.02	10.845	0.178	12.706	0.039	12.037	0.02	11.804

M =  $\log_2(\text{Cy5})/\log_2(\text{Cy3})$ ; A =  $0.5[\log_2(\text{Cy5}) + \log_2(\text{Cy3})]$