**SUPPLEMENTARY TABLES:**

**Supplementary Table S2. Low BMP4 expression is observed in a majority of human breast cancer samples**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Dataset** | **Sample #** | **Analysis** | **Expression\*** | **Significance** | **Reference** |
| Sorlie Breast | 85 | LBC vs Normal | -3.388 | 0.026 | ([Sorlie et al., 2001](#_ENREF_10))  |
| Radvanyi Breast | 63 | IDBC vs Normal | -3.16 | 0.003 | ([Radvanyi et al., 2005](#_ENREF_8)) |
| TCGA Breast | 593 | IDBC vs Normal | -2.058 | <0.00001 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| TCGA Breast | 593 | IDBC vs Normal | -2.058 | <0.00001 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| TCGA Breast | 593 | MBC vs Normal | -2.975 | 0.001 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| TCGA Breast | 593 | IBC vs Normal | -2.078 | <0.00001 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| TCGA Breast | 593 | MLDBC vs Normal | -2.007 | 0.012 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| TCGA Breast | 593 | ILBC vs Normal | -1.518 | 0.002 | ([Cancer Genome Atlas, 2012](#_ENREF_1)) |
| Finak Breast | 59 | IBCS vs Normal | -6.907 | <0.00001 | ([Finak et al., 2008](#_ENREF_3)) |
| Curtis Breast | 2136 | MedBC vs Normal | -2.49 | <0.00001 | ([Curtis et al., 2012](#_ENREF_2)) |
| Karnoub Breast | 22 | IDBCS vs Normal | -6.273 | 0.017 | ([Karnoub et al., 2007](#_ENREF_5)) |
| Richardson Breast 2 | 47 | DBC vs Normal | -2.541 | 0.001 | ([Richardson et al., 2006](#_ENREF_9)) |
| Sorlie Breast 2 | 167 | LBC vs Normal | -2.165 | 0.060 | ([Sorlie et al., 2003](#_ENREF_11)) |
| Perou Breast 2 | 65 | LBC vs Normal | -1.466 | 0.119 | ([Perou et al., 2000](#_ENREF_7)) |
| Gluck Breast | 158 | IBC vs Normal | -1.132 | 0.051 | ([Gluck et al., 2012](#_ENREF_4)) |
| Turashvili Breast | 30 | ILBC vs Normal | -1.803 | 0.231 | ([Turashvili et al., 2007](#_ENREF_12)) |
| Ma Breast 4 | 66 | IDBCE vs Normal | 1.027 | 0.562 | ([Ma et al., 2009](#_ENREF_6)) |

\* Negative values reflect reduced BMP4 mRNA expression in cancer vs normal tissue

Based on 16 analyses of 12 datasets through Oncomine: www.oncomine.com

Filters = Gene: BMP4, Analysis Type: Cancer vs Normal analysis, Cancer Type: Breast Cancer

LBC, Lobular Breast Carcinoma; IDBC, Invasive Ductal Breast Carcinoma; MBC, Male Breast Carcinoma; IBC, Invasive Breast Carcinoma; MLDBC, Mixed Lobular and Ductal Breast Carcinoma; ILBC, Invasive Lobular Breast Carcinoma; IBCS, Invasive Breast Carcinoma Stroma; MedBC, Medullary Breast Carcinoma; IDBCS, Invasive Ductal Breast Carcinoma Stroma; DBC, Ductal Breast Carcinoma; IDBCE, Invasive Ductal Breast Carcinoma Epithelia

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