

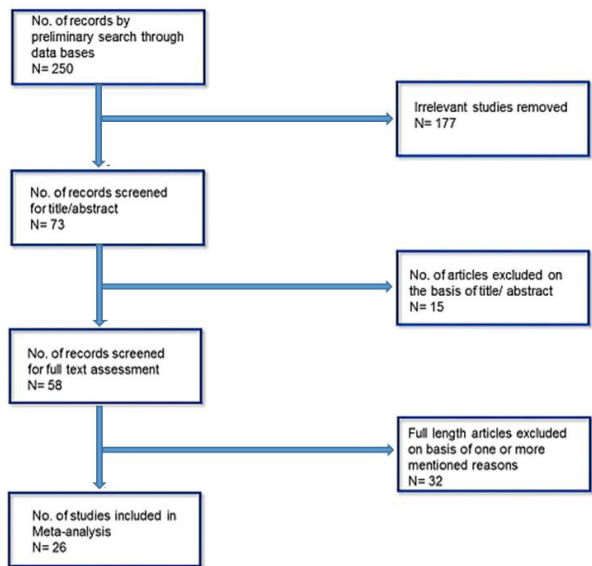
Supplementary Material

The Significance of Erythroblast Transformation Specific (Ets) Transcription Factors in Breast Cancer Progression: A Meta-Analysis

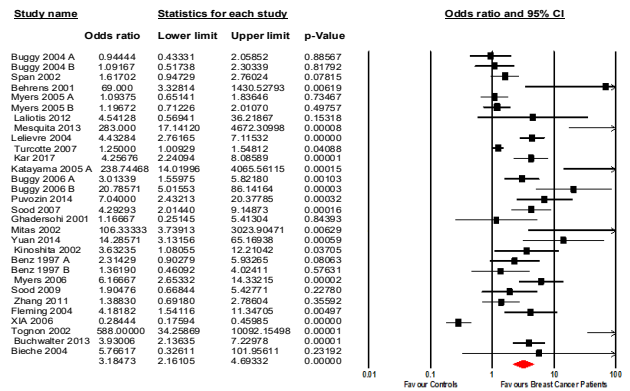
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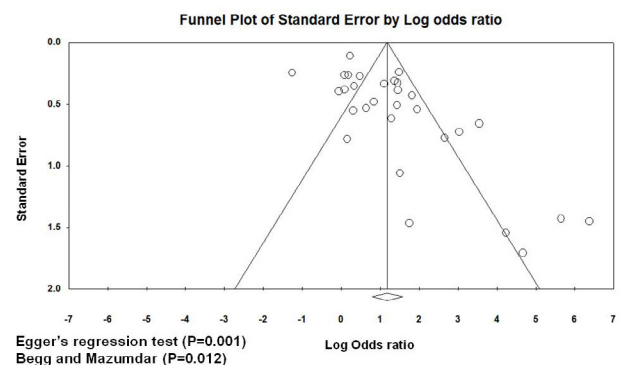
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Supplementary Fig. 1. Flowchart representing the steps of literature search and selection.



Supplementary Fig. 2. Forest plot of odd ratio with a random-effects model for prognosis between increased expression of ETS factors and control in breast cancer.



Supplementary Fig. 3. Funnel plot of standard error by log odd ratio for increased expression of ETS factors in breast cancer and control group for all 26 studies.

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Supplementary Table S1. Characteristics of all eligible studies.

Sr. #	Name	Est factor	Exp. level	Pa-tients	Positive expres-sion	Con-trol	Postive expres-sion	Odds ratio	Method of evaluation	Site of evaluation / Subtype
1A	Buggy 2004 A	ETS-1	Protein	78	42	38	21		Western Blot, IHC, ELISA	Ductal, lobular, others
1B	Buggy 2004 B	ETS-1	mRNA	179	131	42	30		PCR	Ductal, Lobular, others
2	Span 2002	ETS-1	mRNA	123	76	100	50		RT-PCR	Ductal, lobular, others
3	Behrens 2001	ETS-1	Protein	34	34	10	5		In situ hybridiza-tion, IHC,	Intralobular, Ductal Insitu, Invasive
4A	Myers 2005 A	ETS-1	Protein	134	70	100	50		Western blot, Coimmunoprecip-itation	Not specified
4B	Myers 2005 B	ETS-2	Protein	134	73	100	50		Western blot, Coimmunoprecip-itation	Not Specified
5	Laliotis 2012	ELK-1	Protein	46	45	120	109		IHC,ELISA	Ductal and lobular
6	Mesquita 2013	ETV-3, ELF3, ELK-4	Protein	141	141	100	50		IHC, Florescent In-situ Hybridization	Ductal, lobular, others
7	Lelievre 2004	ERM	mRNA	364	297	100	50		RT-PCR, ABI SEQ.	Ductal, lobular, others
8	Turcotte 2007	PDEF	Protien					1.25,(CI 95%, 1.004–1.540)	Western Blot	80% ductal, others are lobular and mixed
9	Kar 2017	ESE/ ELF-3	mRNA	186	112	61	16		PCR	Luminal B and HER-2+ subtype
10	Katayama 2005 A	ETS-1	mRNA	137	114	24	0		RT-PCR	Invasive ductal, lobular, medullary and apocrine carcinoma
11A	Buggy 2006 A	ETS-2	mRNA	181	125	47	20		RT-PCR	Ductal and lobular
11B	Buggy 2006 B	ETS-2	Protien	111	97	12	3		IHC, ELISA	Ductal and lobular
12	Puvozic 2014	ETS-1	Protien					7.04(CI 95% 2.43- 20.36)	IHC,	Not specified
13	Sood 2007	PDEF	Protien	104	50	62	11		IHC, Western blot	Intraductal, Invasive lobualr and ductal carcinoma
14	Ghadersohi 2001	PDEF	mRNA	20	14	12	8		RT-PCR	Not specified
15	Mitas 2002	PDEF	Protien	15	14	5	0		RT-PCR	Auxillary lymph nodes
16	Yuan 2014	ETV-4	Protien	77	75	58	42		IHC,	Triple negative breast cancer
17	Kinoshita 2002	ETV-4	mRNA	42	38	47	34		IHC,	Not specified
18A	Benz 1997 A	ETS-2	mRNA	33	18	41	14		In situ hybridiza-tion	Invasive breast cancer
18B	Benz 1997 B	ETV-4	Protien	33	26	41	30		In situ hybridiza-tion	Invasive breast cancer
19	Myers 2006	ETV-4	Protien	55	37	52	13		IHC, Western blot	Not Specified

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Sr. #	Name	Est factor	Exp. level	Pa-tients	Positive expres-sion	Con-trol	Positive expres-sion	Odds ratio	Method of evaluation	Site of evaluation / Subtype
20	Sood 2009	SPDEF	Protien	27	20	45	27		Western blot	Luminal Subtype and epithelial lineage
21	Zhang 2011	ETS-1	Protien	40	24	181	94		IHC,	Not Specified
22	Fleming 2004	ETV-4	Protien	35	24	35	12		IHC	Endocrine resistant breast cance
23	XIA 2006	ETV-4	Protien	289	64	100	50		IHC	Ductal carcinoma
24	Tognon 2002	ETV-6	mRNA	13	12	50	1		RT-PCR	Secretary breast carcinoma
25	Buchwalter 2013	PDEF	mRNA	100	77	100	46		RT-PCR	ER+ Luminal breast cancer
26	Bieche 2004	ETV-4	mRNA	130	30	9	0		PCR	Not specified