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Scope: Format: Amount: GEO accession:

Series GSE21422

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Status Public on Apr 11, 2011
 Title Expression profiling of human DCIS and invasive ductal breast carcinoma
 Organism [Homo sapiens](#)
 Experiment type Expression profiling by array
 Summary Human healthy tissue samples, DCIS and invasive mammary tumors were analyzed in order to identify marker genes which show enhanced expression in DCIS and invasive ductal carcinomas.
 Using this approach, we were able to identify a set of genes which might allow a better detection of DCIS and invasive carcinomas in the future.

Overall design 5 healthy tissue samples, 9 DCIS and 5 invasive ductal carcinomas were analysed.

Contributor(s) [Schaefer C](#), [Kemmner W](#)
 Citation(s) Kretschmer C, Sterner-Kock A, Siedentopf F, Schoenegg W et al. Identification of early molecular markers for breast cancer. *Mol Cancer* 2011 Feb 11;10(1):15. PMID: [21314937](#)
 Kretschmer C, Conradi A, Kemmner W, Sterner-Kock A. Latent transforming growth factor binding protein 4 (LTBP4) is downregulated in mouse and human DCIS and mammary carcinomas. *Cell Oncol (Dordr)* 2011 Oct;34(5):419-34. PMID: [21468687](#)

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Platforms (1) [GPL570](#) [HG-U133_Plus_2] Affymetrix Human Genome U133 Plus 2.0 Array

Samples (19) [GSM535604](#) DCIS 1, biological rep. 1
[Less...](#) [GSM535605](#) DCIS 2, biological rep. 2
[GSM535606](#) DCIS 3, biological rep. 3
[GSM535607](#) DCIS 4, biological rep. 4
[GSM535608](#) DCIS 5, biological rep. 5
[GSM535609](#) DCIS 6, biological rep. 6

- [GSM535610](#) DCIS 7, biological rep. 7
- [GSM535611](#) DCIS 8, biological rep. 8
- [GSM535612](#) DCIS 9, biological rep. 9
- [GSM535613](#) healthy breast 1, biological rep. 1
- [GSM535614](#) healthy breast 2, biological rep. 2
- [GSM535615](#) healthy breast 3, biological rep. 3
- [GSM535616](#) healthy breast 4, biological rep. 4
- [GSM535617](#) healthy breast 5, biological rep. 5
- [GSM535618](#) IDC 1, biological rep. 1
- [GSM535619](#) IDC 2, biological rep. 2
- [GSM535620](#) IDC 3, biological rep. 3
- [GSM535621](#) IDC 4, biological rep. 4
- [GSM535622](#) IDC 5, biological rep. 5

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Format

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Supplementary file	Size	Download	File type/resource
GSE21422_RAW.tar	155.4 Mb	(http)(custom)	TAR (of CEL)
Raw data provided as supplementary file			
Processed data included within Sample table			