Data Article

Dataset of STAT5A status in breast cancer

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A R T I C L E   I N F O

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A B S T R A C T

We analysed STAT5A gene expression in breast cancer using the Oncomine database. We exemplify four representative studies showing that STAT5A is generally downregulated in breast cancer.

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1. Specifications Table

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2. Value of the data

- We show that in different independent studies STAT5A is downregulated in breast cancer.
- The downregulation of STAT5A supports a tumour suppressor role for STAT5A in breast cancer and is consistent with our recent discovery that STAT5A is a p53-target gene [2].
- High levels of STAT5A indicate a good prognosis in breast cancer and it assessment can be used in the clinics as part of a multigene prognostic test (Fig. 1).

**Fig. 1.** Downregulation of STAT5A expression in breast cancer (from Oncomine).
3. Data

We show that STAT5A is downregulated in breast cancer using several large-scale gene expression analyses available at Oncomine: https://www.oncomine.org/resource/main.html [1].

4. Experimental design, materials and methods

We used the publicly available Oncomine search to find the status of STAT5A in breast cancer.

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Appendix A. Supplementary material

Supplementary data associated with this article can be found in the online version at http://dx.doi.org/10.1016/j.dib.2016.02.073.

References