

Retraction

Retraction in Part: A Genomic Approach to Identify Molecular Pathways Associated with Chemotherapy Resistance

We wish to retract Table 1 and Supplemental Table 1 from our article entitled "A genomic approach to identify molecular pathways associated with chemotherapy resistance," which was published in the October 2008 issue of *Molecular Cancer Therapeutics* (1).

Using previously published annotations for chemotherapy sensitivity in the NCI-60 series of cancer cell lines (2), we performed gene set enrichment analysis on predefined groups of sensitive and resistant NCI-60 cell lines for a range of chemotherapies to identify biological pathways associated with resistance. We purposefully used the annotations for sensitivity and resistance published in the *Nature Medicine* article and applied a complementary computational approach in order to glean biological insight from the differential gene expression. The article upon which our annotations were based has now been retracted (3). After re-examination, the annotations for the cell lines with respect to chemotherapy sensitivity were erroneous. Thus, our manuscript propagates this error and the results in Table 1 and Supplemental Table 1 from our manuscript are invalid.

The majority of the paper reports our work including *in vitro* sensitivity testing for 40 lung cancer cell lines, identification of pathways associated with resistance to tested agents, and functional validation of a lead candidate pathway *in vitro*. These data appear in the remaining Figures 1–7 and Table 2 of the paper and we remain confident in our analysis and findings.

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