

Bioinformation Editorial Erratum

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An error was detected in the article, NRF2 molecule of the month [1]. This error is subsequent to the confusion in a few databases that do not distinguish between capital and lower case letters. For the interested reader, it is important to note that there are two different genes termed NRF2 and Nrf2. One NRF2 gene is also known as NFE2L2 that is not a GA binding protein. The other Nrf2 gene is nuclear respiratory factor 2 that is related to GABPA, a different protein. There was a distinction between the two genes that should have been indicated in the publication [1]. The first reference in the publication [1] was reexamined http://www.sabiosciences.com/pathwaymagazine/minireview/oxidativestress.php?utm_content=PR120906+Oxidative+Stress+Review_us&utm_campaign=PR120906+Oxidative+Stress&utm_source=iPost&utm_medium=email.

This reference was searched for; however, it is no longer accessible as of 11-15-2012. Moreover, not all databases clearly distinguish between the two NRF2 and Nrf2 labels. There is also a typographical error in the 7th line of the article text where NFR2 should be stated as NRF2 [1]. In addition, similar information should be pointed out in regards to the two figures [1].

Searches at the SABiosciences, STRING (Search Tool for the Retrieval of Interacting Genes/Proteins), HUGO Gene Nomenclature Committee (HGNC), and GeneCards web sites did not distinguish between NRF2 and Nrf2 as of 11-18-2012 [2, 3, 4, 5, 6]. Searches for both NRF2 and Nrf2 at the SABiosciences web site revealed the following information [2].

NFE2L2 (Human) Gene Name: NRF2
Refseq IDs: NM_006164, NM_001145412, NM_001145413
Description: Nuclear factor (erythroid-derived 2)-like 2

And GABPA (Human) Gene Name: E4TF1-60, E4TF1A, NFT2, NRF2, NRF2A Refseq IDs: NM_002040, NM_001197297.
Description: GA binding protein transcription factor, alpha subunit 60kDa

Additionally, some literature correctly portrays the information on Nrf2 in the publications [7]. For example, in this paper, the protein Nrf2 is defined as Nuclear factor (erythroid-derived 2)-like 2 (Nrf2) which is a reactive oxygen species (ROS)-regulated transcription factor involved in the induction of Phase II detoxifying proteins.

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References:

- [1] Shapshak P, *Bioinformation*. 2012 **8**: 846 [PMID: 23144538]
- [2] <http://www.sabiosciences.com/search.php?src=pmc&prodlines=all&species=0&keyword=Nrf2>
- [3] <http://string.embl.de/>
- [4] Szklarczyk D *et al. Nucleic Acids Res.* 2011 **39**: D561 [PMID: 21045058]
- [5] <http://www.genenames.org/>
- [6] <http://www.genecards.org/>
- [7] Rachakonda G *et al. Oncogene.* 2010 **29**: 3703 [PMID: 20440267]

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