

RETRACTION

Retraction for Leung et al., A Negative-Feedback Loop between the Detoxification/Antioxidant Response Factor SKN-1 and Its Repressor WDR-23 Matches Organism Needs with Environmental Conditions

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Volume 33, no. 17, p. 3524–3537, 2013. The results of an investigation initiated by the corresponding author and conducted at the University of Florida found that data in Fig. 1F and 6A, D, and E were falsified by the first author. The falsified data have two main scientific consequences. First, they compromise our conclusions that *skn-1* controls *wdr-23* mRNA levels and negative feedback controls detoxification gene mRNA levels in wild-type worms under basal conditions (see the end of the first paragraph in column 2 of p. 3531 and Fig. 6A). Second, they misrepresent differences in *gst-4* induction between worms with the wild-type and mutated *wdr-23* promoter at two concentrations of acrylamide tested (Fig. 6E and F at 0.875 and 7.0 mM); as a result, there is no longer support for interaction 3 of the model in Fig. 8. The falsifications in Fig. 1F and 6D were inconsequential to the conclusions of the study. To our knowledge, other conclusions are not compromised by these findings of falsification, including the central conclusion of negative feedback via a direct interaction between SKN-1 protein and the *wdr-23* promoter, which has been confirmed independently of the first author. Therefore, we partially retract the paper. We sincerely apologize to the scientific community for any time and effort wasted because of these actions.