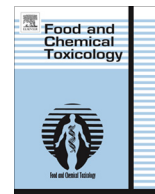




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# Food and Chemical Toxicology

journal homepage: [www.elsevier.com/locate/foodchemtox](http://www.elsevier.com/locate/foodchemtox)

## Letter to the editor

### Letter to the Editor regarding “[Delaney et al., 2014](#)”: Uncontrolled GMOs and their associated pesticides make the conclusions unreliable



We are concerned about the characterization of the tested diet in the study of [Delaney et al. \(2014\)](#), investigating the subchronic health effects of the Roundup tolerant (DP-Ø73496-4) genetically modified canola on rats. The conclusion can be used by regulatory authorities. The presence of other Roundup tolerant GMOs and of Roundup herbicide residues were not tested in the Purina Certified Rodent LabDiet 5002. According to our PCR analyses performed in an accredited way, this control diet also contained 18% of the Roundup tolerant maize NK603 and 14.9% of MON810 (a modified *Bt* insecticide producing GMO). We also found 110 ppb of glyphosate and 200 ppb of AMPA (the main metabolite of glyphosate). Even if their toxicities are debated ([Seralini et al., 2014](#)), the uncontrolled presence of pesticides residues and other GMOs make the study inconclusive. Any animal parameter measured after eating the GM canola cannot be compared to controls eating a diet containing other GMOs having the same characteristic and not taken into account. According to the criteria of the editor in chief of *Food and Chemical Toxicology* ([Hayes, 2014](#)), this study ([Delaney et al., 2014](#)) should be retracted.

## References

- [Delaney, B., Appenzeller, L.M., Roper, J.M., Mukerji, P., Hoban, D., Sykes, G.P., 2014.](#) Thirteen week rodent feeding study with processed fractions from herbicide tolerant (DP-Ø73496-4) canola. *Food Chem. Toxicol.* 66, 173–184.
- [Hayes, A.W., 2014.](#) Editor in Chief of *Food and Chemical Toxicology* answers questions on retraction. *Food Chem. Toxicol.* 65, 394–395.
- [Seralini, G.E., Mesnage, R., Defarge, N., Spiroux de Vendomois, J., 2014.](#) Conclusiveness of toxicity data and double standards. *Food Chem. Toxicol.* 69, 357–359.

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