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 Scope: Format: Amount: GEO accession:
Series GSE110904

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Status Public on Feb 21, 2018
Title Gene expression in chicken embryo liver
Organism [Gallus gallus](#)
Experiment type Expression profiling by array
Summary We have profiled the gene expression in eight chicken embryo livers in the 11th day of incubation. Four eggs (labelled as WAT1-4) were injected with 0.15 ml/egg deionized water in days 9, 10 and 11 post incubation while four eggs (labeled CTR1-4) were kept as environmental controls. We found that water injections had a very small effect, regulating less than 1% of the genes. Both WAT and CTR data sets were used as references in further experiments for eggs exposed to various water-soluble carcinogenic compounds.

Overall design Differently labelled biological replicas were co-hybridized with the same microarray. Expression of genes in similarly labeled samples of the two conditions were compared and the results averaged.

Contributor(s) [Kobets T](#), [Iatropoulos MJ](#), [Duan J](#), [Brunnemann K](#), [Iacobas DA](#), [Iacobas S](#), [Vock E](#), [Deschl U](#), [Williams GM](#)

Citation(s) Kobets T, Iatropoulos MJ, Duan JD, Brunnemann KD et al. Expression of Genes Encoding for Xenobiotic Metabolism after Exposure to DialkylNitrosamines in the Chicken Egg Genotoxicity Alternative Model. *Toxicol Sci* 2018 Aug 9. PMID: [30102407](#)

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Platforms (1) [GPL13790](#) Agilent-026441 Gallus gallus (Chicken) Oligo Microarray v2 (Feature Number version)

Samples (8) [GSM3018534](#) CTR1
[More...](#) [GSM3018535](#) CTR2
[GSM3018536](#) CTR3