LISTADO DE 610 PUBLICACIONES CIENTÍFICAS QUE EVALÚAN LA INOCUIDAD DE LOS ALIMENTOS DERIVADOS DE LOS CULTIVOS TRANSGÉNICOS

(LIST OF 610 SCIENTIFIC ARTICLES ON SAFETY ASSESSMENTS OF FOODS AND FEEDS DERIVED FROM GENETICALLY MODIFIED CROPS)

En la actualidad hay cerca de 610 publicaciones científicas, publicadas en revistas peer reviewed (revisadas por pares), las cuales evalúan la seguridad e inocuidad de los alimentos derivados de los cultivos transgénicos. El análisis de estos trabajos, junto con las pruebas exigidas por los países que regulan los cultivos transgénicos, representan la evidencia para que la comunidad científica a nivel global considere que los alimentos derivados de los cultivos transgénicos son seguros e inocuos para el consumo humano y animal. El listado que se presenta a continuación contiene sólo trabajos originales (sin considerar resúmenes y revisiones científicas), los cuales pueden ser encontrados en las bases de datos de artículos científicos Pubmed y/o Web of Science.

(At present there are about 610 scientific papers published in peer reviewed journals, which have evaluated the safety of foods derived from GM crops. The analysis of these articles along with the tests required by countries regulating GM crops, represent the evidence for the global scientific community to support that foods derived from GM crops are safe to human and animal consumption. The list presented below contains only original papers (excluding abstracts and scientific reviews), which ones can be found in scientific databases, either in Pubmed or in Web of Science).

Última actualización (Last update): 25-06-2013

1. Abbas HK, Accinelli C, Zablotowicz RM, Abel CA, Bruns HA, Dong Y, Shier WT. Dynamics of mycotoxin and Aspergillus flavus levels in aging Bt and non-Bt corn residues under

Mississippi no-till conditions. J Agric Food Chem. 2008 Aug 27;56(16):7578-85. doi: 10.1021/jf801771a. Epub 2008 Jul 22.

2. Abdeen A, Schnell J, Miki B (2010) Transcriptome analysis reveals absence of unintended effects in drought-tolerant transgenic plants overexpressing the transcription factor ABF3. BMC Genomics. 2010 Jan 28; 11:69.

3. Adel-Patient K, Guimaraes VD, Paris A, Drumare M-F,Ah-Leung, S, Lamourette P, Nevers M-C,Canlet C, Molina J, Bernard H, Créminon C, Wal J-M. (2011) Immunological and metabolomic impacts of administration of Cry1Abprotein and MON 810 maize in mouse. PLoS One. 2011; 6: e16346

4. Aeschbacher K, Messikommer R, Meile L, Wenk C (2005) Bt176 corn in poultry nutrition: Physiological characteristics and fate of recombinant plant DNA in chickens. Poultry Science 84:385-394

5. Albo AG, Mila S, Digilio G, Motto M, Aime S, Corpillo D (2007) Proteomic analysis of a genetically modified maize flour carrying Cry1Ab gene and comparison to the corresponding wild-type. Maydica 52: 443-455

6. Alexander TW, Sharma R, Deng MY, Whetsell AJ, Jennings JC, Wang YX, Okine E, Damgaard D, McAllister TA (2004) Use of quantitative real-time and conventional PCR to assess the stability of the cp4 epsps transgene from Roundup Ready (R) canola in the intestinal, ruminal, and fecal contents of sheep. Journal of Biotechnology 112:255-266.

7. Alexander, T.W., R. Sharma, E.K. Okine, W.T. Dixon, R.J. Forster, K. Stanford and T.A. McAllister. 2002. Impact of feed processing and mixed ruminal culture on the fate of recombinant EPSP synthase and endogenous canola plant DNA. FEMS Microbiology Letters 214:263-269.

8. Alexander, T.W., T. Reuter, E. Okine, R. Sharma, and T.A. McAllister. 2006. Conventional and real-time polymerase chain reaction assessment of the fate of transgenic DNA in sheep fed Roundup Ready rapeseed meal. Br J Nutr 96(6):997-1005.

9. Anilkumar, B; Reddy, A Gopala; Kalakumar, B; Rani, M Usha; Anjaneyulu, Y; Raghunandan, T; Reddy, Y Ramana; Jyothi, K; Gopi, K S, 2010, Sero-biochemical Studies in Sheep Fed with Bt Cotton Plants, Toxicology International, 17(2):99-101.

10. Apgar, G.A. T.A. Guthrie, K.S. Griswold, M.P. Martin, J.S. Radcliffe, and M. D. Lindemann. 2004. Nutritional value of a corn containing a glutamate dehydrogenase gene for growing pigs. J.Anim. Sci. 82(Suppl. 1):456-457. Abstract 912.

11. Appenzeller LM, Malley L, MacKenzie SA, Hoban D, Delaney B. Subchronic feeding study with genetically modified stacked trait lepidopteran and coleopteran resistant (DAS-

Ø15Ø7-1×DAS-59122-7) maize grain in Sprague–Dawley rats. Food Chem Toxicol 2009; 47:1512–20.

12. Appenzeller LM, Munley SM, Hoban D, Sykes GP, Malley LA, Delaney B.(2008) Subchronic feeding study of herbicide-tolerant soybean DP-356Ø43-5 in Sprague-Dawley rats. Food Chem Toxicol. 2008 Jun; 46(6):2201-13.

13. Appenzeller LM, Munley SM, Hoban D, Sykes GP, Malley LA, Delaney B. Subchronic feeding study of grain from herbicide-tolerant maize DP-Ø9814Ø-6 in Sprague–Dawley rats. Food Chem Toxicol 2009; 47:2269–80.

14. Arencibia, A. Gentinetta, E. Cuzzoni, E. Castiglione, S. Kohli, A. Vain, P. Leech, M. Christou, P. Sala, F.(1998) Molecular analysis of the genome of transgenic rice (Oryza sativa L.) plants produced via particle bombardment or intact cell electroporation. Mol. Breeding 1998, 4, 99–109.

15. Aris A, Leblanc S. Maternal and fetal exposure to pesticides associated to genetically modified foods in Eastern Townships of Quebec, Canada. Reprod Toxicol. 2011 May;31(4):528-33.

16. Arjó G, Capell T, Matias-Guiu X, Zhu C, Christou P, Piñol C. Mice fed on a diet enriched with genetically engineered multivitamin corn show no sub-acute toxic effects and no sub-chronic toxicity. Plant Biotechnol J. 2012 Dec;10(9):1026-34.

17. Asanuma Y, Jinkawa T, Tanaka H, Gondo T, Zaita N, Akashi R. Assays of the production of harmful substances by genetically modified oilseed rape (Brassica napus L.) plants in accordance with regulations for evaluating the impact on biodiversity in Japan. Transgenic Res. 2011 Feb; 20(1):91-7.

18. Ash J, Novak C, Scheideler SE (2003) The fate of genetically modified protein from Roundup Ready Soybeans in laying hens. Journal of Applied Poultry Research 12:242-245.

19. Asiago VM, Hazebroek J, Harp T, Zhong C. Effects of genetics and environment on the metabolome of commercial maize hybrids: a multisite study. J Agric Food Chem. 2012 Nov 21;60(46):11498-508. doi: 10.1021/jf303873a. Epub 2012 Nov 12.

20. Atkinson, H.J., Johnston, K.A., Robbins, M (2004). Prima facie evidence that a phytocystatin for transgenic plant resistance to nematodes is not a toxic risk in the human diet. J. Nutr. 134, 431–434.

21. Aulrich K, Bohme H, Daenicke R, Halle I, Flachowsky G (2001) Genetically modified feeds in animal nutrition 1st communication: Bacillus thuringiensis (Bt) corn in poultry, pig and ruminant nutrition. Archives of Animal Nutrition-Archiv fur Tierernahrung 54:183-195

22. Azevedo L, Dragano NR, Sabino AP, Resck MC, Alves de Lima PL, Gouvêa CM. In vivo antimutagenic properties of transgenic and conventional soybeans. J Med Food. 2010 Dec;13(6):1402-8.

23. Bakan B, Melcion D, Richard-Molard D and Cahagnier B (2002) Fungal growth and Fusarium mycotoxin content in isogenic traditional maize and genetically modified maize grown in France and Spain. J Agric Food Chem 50(4): 728–731.

24. Baker JM, Hawkins ND, Ward JL, Lovegrove A, Napier JA, Shewry PR, Beale MH. A metabolomic study of substantial equivalence of field-grown genetically modified wheat. Plant Biotechnol J. 2006 Jul;4(4):381-92.

25. Bakke-Mckellep, A. M., Sanden, M., Danieli, A., Acierno, R., Hemre, G., Maffia, M., Krogdahl, A. (2008). Atlantic salmon (Salmo salar L.) parr fed genetically modified soybeans maize: Histological, digestive, metabolic, and immunological investigations. Research in Veterinary Science, 84, 395-408.

26. Bakke-McKellep, A.M., E.O. Koppang, G. Gunnes, M. Sanden, G-I. Hemre, T. Landsverk, and A. Krogdahl. 2007. Histological, digestive, metabolic, hormonal and some immune factor responses in Atlantic salmon, Salmo salar L., fed genetically modified soybeans. J of Fish Diseases 30:65-79.

27. Balsamo GM, Cangahuala-Inocente GC, Bertoldo JB, Terenzi H, Arisi AC. Proteomic analysis of four Brazilian MON810 maize varieties and their four non-genetically-modified isogenic varieties. J Agric Food Chem. 2011 Nov 9; 59(21):11553-9.

28. Barriere Y, Verite R, Brunschwig P, Surault F, Emile JC (2001) Feeding value of corn silage estimated with sheep and dairy cows is not altered by genetic incorporation of Bt176 resistance to Ostrinia nubilalis. Journal of Dairy Science 84:1863-1871

29. Barros E, Lezar S, Anttonen MJ, van Dijk JP, Röhlig RM, Kok EJ and Engel K-H (2010) Comparison of two GM maize varieties with a near isogenic non-GM variety using transcriptomics, proteomics and metabolomics. Plant Biotech J. 8 436-451

30. Barros G , C. Magnoli, M. M. Reynoso, M. L. Ramirez, M. C. Farnochi, A. Torres, M. Dalcero, J. Sequeira, C. Rubinstein, S. Chulze (2009) Fungal and mycotoxin contamination in Bt maize and non-Bt maize grown in Argentina. World Mycotoxin Journal 2(1) : 53-60.

31. Batista R, Martins I, Jeno P, Ricardo CP, Oliveira MM. A proteomic study to identify soya allergens--the human response to transgenic versus non-transgenic soya samples. Int Arch Allergy Immunol. 2007;144(1):29-38. Epub 2007 May 11.

32. Batista, R. Nelson Saibo, Tiago Lourenço, and Maria Margarida Oliveira (2008) Microarray analyses reveal that plant mutagenesis may induce more transcriptomic changes than transgene insertion PNAS March 4, 2008 vol. 105 no. 9 3640-3645

33. Batista, R., Nunes, B., Carmo, M., Cardoso, C. et al., Lack of detectable allergenicity of transgenic maize and soya samples.(2005) J. Allergy Clin. Immunol. 2005, 116, 403–410.

34. Battistelli S, Citterio B, Baldelli B, Parlani C, Malatesta M. Histochemical and morpho-metrical study of mouse intestine epithelium after a long term diet containing genetically modified soybean. Eur J Histochem. 2010 Aug 5;54(3):e36.

35. Baudo MM, Lyons R, Powers S, Pastori GM, Edwards KJ, Holdsworth MJ, Shewry PR. Transgenesis has less impact on the transcriptome of wheat grain than conventional breeding. Plant Biotechnol J. 2006 Jul;4(4):369-80.

36. Baudo MM, Powers S, Mitchell RA, Shewry PR (2009) Establishing substantial equivalence: transcriptomics. Methods Mol Biol 478: 247–272.

37. Beagle JM, Apgar GA, Jones KL, Griswold KE, Qui X, Martin MP. 2004. The digestive fate of the gdhA transgene in corn diets fed to weanling swine. J Anim Sci 82 (Suppl. 1):457:(Abstr 913).

38. Beagle JM, Apgar GA, Jones KL, Griswold KE, Radcliffe JS, Qiu X, Lightfoot DA, Iqbal MJ. (2006). The digestive fate of Escherichia coli glutamate dehydrogenase deoxyribonucleic acid from transgenic corn in diets fed to weanling pigs. J Anim Sci 84:597-607.

39. Beatty PH, Shrawat AK, Carroll RT, Zhu T, Good AG (2009) Transcriptome analysis of nitrogen-efficient rice over-expressing alanine aminotransferase. Plant Biotech J 7: 562–576

40. Beckles, D. M.; Tananuwong, K.; Shoemaker, C. F. Starch characteristics of transgenic wheat (Triticum aestivum L.) overexpressing the Dx5 high molecular weight glutenin subunit are substantially equivalent to those in nonmodified wheat. J. Food Sci. 2012, 77 (4), C437−C442.

41. Berberich, SA Ream, J.E., Jackson, T.L., Wood, R., Stipanovic, R., Harvey, P., Patzer, S., and Fuchs, R.L. (1996) The composition of insect-protected cottonseed is equivalent to that of conventional cottonseed. J. Agric. Food Chem. 44, 365–371.

42. Berman KH, Harrigan GG, Nemeth MA, Oliveira WS, Berger GU, Tagliaferro FS. Compositional equivalence of insect-protected glyphosate-tolerant soybean MON 87701 × MON 89788 to conventional soybean extends across different world regions and multiple growing seasons. J Agric Food Chem. 2011 Nov 9;59(21):11643-51.

43. Berman KH, Harrigan GG, Riordan SG, Nemeth MA, Hanson C, Smith M, Sorbet R, Zhu E, Ridley WP. Compositions of seed, forage, and processed fractions from insect-protected soybean MON 87701 are equivalent to those of conventional soybean. J Agric Food Chem. 2009 Dec 9;57(23):11360-9. PubMed PMID: 19891479.

44. Berman KH, Harrigan GG, Riordan SG, Nemeth MA, Hanson C, Smith M, Sorbet R, Zhu E, Ridley WP. Compositions of forage and seed from second-generation glyphosate-tolerant soybean MON 89788 and insect-protected soybean MON 87701 from Brazil are equivalent to those of conventional soybean (Glycine max). J Agric Food Chem. 2010 May 26;58(10):6270-6. PubMed PMID: 20420455.

45. Bertheau Y, Helbling JC, Fortabat MN, Makhzami S, Sotinel I, Audéon C, Nignol AC, Kobilinsky A, Petit L, Fach P, Brunschwig P, Duhem K, Martin P. Persistence of plant DNA sequences in the blood of dairy cows fed with genetically modified (Bt176) and conventional corn silage. J Agric Food Chem. 2009 Jan 28;57(2):509-16.

46. Bhandari, S.; Basnet, S.; Chung, K.; Ryu, K.-H.; Lee, Y.-S. Comparisons of nutritional and phytochemical property of genetically modified CMV-resistant red pepper and its parental cultivar. Hortic., Environ., Biotechnol. 2012, 53 (2), 151−157.

47. Bohme H, Aulrich K, Daenicke R, Flachowsky G (2001) Genetically modified feeds in animal nutrition 2nd communication: Glufosinate tolerant sugar beets (roots and silage) and maize grains for ruminants and pigs. Archives of Animal Nutrition-Archiv fur Tierernahrung 54:197-207

48. Böhme H, Aulrich K, Daenicke R, Flachowsky G. Genetically modified feeds in animal nutrition. 2nd communication: glufosinate tolerant sugar beets (roots and silage) and maize grains for ruminants and pigs. Arch Tierernahr. 2001;54(3):197-207.

49. Böhme H, Hommel B, Flachowsky G. 2005. Nutritional assessment of silage from transgenic inulin synthesizing potatoes for pigs. J. Anim. Feed Sci. 14: 333-336 ISI

50. Böhme H, Rudloff E, Schöne F, Schumann W, Hüther L, Flachowsky G. 2007. Nutritional assessment of genetically modified rapeseed synthesizing high amounts of mid-chain fatty acids including production responses of growing-finishing pigs. Arch. Anim. Nutr. 61(4): 308-316

51. Bondzio, A., Stumpff, F., Schoen, J., Martens, H., Einspanier, R., (2008) Impact of Bacillus thuringiensis Toxin Cry1Ab on rumen epithelial cells (REC) - a new in vitro model for safety assessment of recombinant food compounds, Food Chem Toxicol. 2008 Jun;46(6):1976-84.

52. Brake DG, Thaler R, Evenson DP (2004) Evaluation of Bt (Bacillus thuringiensis) corn on mouse testicular development by dual parameter flow cytometry. Journal of Agricultural and Food Chemistry 52:2097-2102.

53. Brake J, Faust M, Stein J (2005) Evaluation of transgenic hybrid corn (VIP3A) in broiler chickens. Poultry Science 84:503-512

54. Brake J, Faust MA, Stein J (2003) Evaluation of transgenic event Bt11 hybrid corn in broiler chickens. Poultry Science 82:551-559

55. Brake J, Vlachos D (1998) Evaluation of transgenic event 176 "Bt" corn in broiler chickens. Poultry Science 77:648-653.

56. Brake, D.G., Evenson, D.P., 2004. A generational study of glyphosate tolerant soybeans on mouse fetal, postnatal, pubertal and adult testicular development. Food Chem. Toxicol. 42, 29–36.

57. Brasil, F. B., Soares, L. L., Faria, T. S., Boaventura, G. T., Sampaio, F. J. B. and Ramos, C. F. (2009), The Impact of Dietary Organic and Transgenic Soy on the Reproductive System of Female Adult Rat. Anat Rec (Hoboken). 2009 Apr;292(4):587-94.

58. Broll H, Zagon J, Butschke A, Leffke A, Spiegelberg A, Bohme H, Flachowsky G (2005) The fate of DNA of transgenic inulin synthesizing potatoes in pigs. Journal of Animal and Feed Sciences 14:337-340.

59. Brouk MJ, Cvetkovic B, Rice DW, Smith BL, Hinds MA, Owens FN, Iiams C, Sauber TE. Performance of lactating dairy cows fed corn as whole plant silage and grain produced from genetically modified corn containing event DAS-59122-7 compared to a nontransgenic, near-isogenic control. J Dairy Sci. 2011 Apr;94(4):1961-6. doi: 10.3168/jds.2010-3477.

60. Brown PB, Wilson KA, Jonker Y, Nickson TE. (2003) Glyphosate tolerant canola meal is equivalent to the parental line in diets fed to rainbow trout. J Agric Food Chem. 51:4268-72.

61. Brusetti L, Crotti E, Tamburini A, Cittaro D, Garavaglia V, Rolli E, Sorlini C, Daffonchio D, Borin S. Influence of transgenic Bt176 and non-transgenic corn silage on the structure of rumen bacterial communities. Annals of Microbiology 2011; 61(4):925-930.

62. Burks AW, Fuchs RL (1995) Assessment of the endogenous allergens in glyphosate tolerant and commercial soybean varieties. J Allergy Clin Immunol 96:1008-1010.

63. Buzoianu SG, Walsh MC, Rea MC, Cassidy JP, Ross RP, Gardiner GE, Lawlor PG. Effect of feeding genetically modified Bt MON810 maize to ~40-day-old pigs for 110 days on growth and health indicators. Animal. 2012 Oct;6(10):1609-19.

64. Buzoianu SG, Walsh MC, Rea MC, Cassidy JP, Ryan TP, Ross RP, Gardiner GE, Lawlor PG. Transgenerational effects of feeding genetically modified maize to nulliparous sows and offspring on offspring growth and health. J Anim Sci. 2013 Jan;91(1):318-30.

65. Buzoianu SG, Walsh MC, Rea MC, O'Donovan O, Gelencsér E, et al. (2012) Effects of Feeding Bt Maize to Sows during Gestation and Lactation on Maternal and Offspring Immunity and Fate of Transgenic Material. PLoS ONE 7(10): e47851.

66. Buzoianu SG, Walsh MC, Rea MC, O'Sullivan O, Cotter PD, Ross RP, Gardiner GE, Lawlor PG. 2012. High-Throughput Sequence-Based Analysis of the Intestinal Microbiota of Weanling

Pigs Fed Genetically Modified MON810 Maize Expressing Bacillus thuringiensis Cry1Ab (Bt Maize) for 31 Days. Appl Environ Microbiol. 78(12):4217-24.

67. Buzoianu SG, Walsh MC, Rea MC, O'Sullivan O, Crispie F, Cotter PD, Ross RP, Gardiner GE, Lawlor PG. 2012. The effect of feeding Bt MON810 maize to pigs for 110 days on intestinal microbiota. PLoS One. 7(5):e33668.

68. Caine, W.R., J.L. Aalhus, M.E.R. Dugan, K.A. Lien, I.L. Larsen, F. Costello, T.A. McAllister, K. Stanford, and R. Sharma. 2007. Growth performance, carcass characteristics and pork quality of pigs fed diets containing meal from conventional or glyphosate-tolerant canola. Can. J. Anim. Sci. 87:517-526.

69. Calsamiglia S, Hernandez B, Hartnell GF, Phipps R.(2007) Effects of corn silage derived from a genetically modified variety containing two transgenes on feed intake, milk production, and composition, and the absence of detectable transgenic deoxyribonucleic acid in milk in Holstein dairy cows. J Dairy Sci. 2007 Oct;90(10):4718-23.

70. Campbell PM, Reiner D, Moore AE, Lee RY, Epstein MM, Higgins TJ. Comparison of the α-amylase inhibitor-1 from common bean (Phaseolus vulgaris) varieties and transgenic expression in other legumes--post-translational modifications and immunogenicity. J Agric Food Chem. 2011 Jun 8;59(11):6047-54. doi: 10.1021/jf200456j. Epub 2011 May 13.

71. Cao S, He X, Xu W, Luo Y, Ran W, Liang L, Dai Y, Huang K. Potential allergenicity research of Cry1C protein from genetically modified rice. Regul Toxicol Pharmacol. 2012; 63(2):181-7.

72. Cao S, He X, Xu W, Luo Y, Yuan Y, Liu P, Cao B, Shi H, Huang K. 2012. Safety assessment of transgenic Bacillus thuringiensis rice T1c-19 in Sprague-Dawley rats from metabonomics and bacterial profile perspectives. IUBMB Life. 64(3):242-50.

73. Cao S, He X, Xu W, Ran W, Liang L, Luo Y, Yuan Y, Zhang N, Zhou X, Huang K. Safety assessment of Cry1C protein from genetically modified rice according to the national standards of PR China for a new food resource. Regul Toxicol Pharmacol. 2010 Dec;58(3):474-81.

74. Cao S, Xu W, Luo Y, He X, Yuan Y, Ran W, Liang L, Huang K. Metabonomics study of transgenic Bacillus thuringiensis rice (T2A-1) meal in a 90-day dietary toxicity study in rats. Mol Biosyst. 2011 Jan 7;7(7):2304-10.

75. Castillo AR, Gallardo MR, Maciel M, Giordano JM, Conti GA, Gaggiotti MC, Quaino O, Gianni C, Hartnell GF. Effects of feeding rations with genetically modified whole cottonseed to lactating Holstein cows. J Dairy Sci. 2004 Jun;87(6):1778-85.

76. Catchpole, Gareth S., Manfred Beckmann, David P. Enot, Madhav Mondhe, Britta Zywicki, Janet Taylor, Nigel Hardy, Aileen Smith, Ross D. King, Douglas B. Kell, Oliver Fiehn and John Draper, (2005) Hierarchical metabolomics demonstrates substantial compositional

similarity between genetically modified and conventional potato crops. PNAS 102(40):14458-14462.

77. Chainark P, Satoh S, Hino T, Kiron V, Hirono I, Aoki T. 2006. Availability of genetically modified soybean meal in rainbow trout Oncorhynchus mykiss diets. Fish. Sci. 72(5): 1072-1078.

78. Chainark P, Satoh S, Hirono I, Aoki T, Endo M. 2008. Availability of genetically modified feed ingredient: investigations of ingested foreign DNA in rainbow trout Oncorhynchus mykiss. Fish. Sci. 74(2): 380-390.

79. Chambers, P.A., Duggan, P.S., Heritage, J., Forbes, J.M. (2000). The fate of antibiotic resistance marker genes in transgenic plant feed material fed to chickens. J. Antimicrob. Chemother. 49, 161–164.

80. Chang HS, Kim NH, Park MJ, Lim SK, Kim SC, Kim JY, Kim JA, Oh HY, Lee CH, Huh K, Jeong TC, Nam DH. The 5-enolpyruvylshikimate-3-phosphate synthase of glyphosate-tolerant soybean expressed in Escherichia coli shows no severe allergenicity. Mol Cells. 2003 Feb 28;15(1):20-6.

81. Chang, YW; Zhao, CX; Zhu, Z; Wu, ZM; Zhou, J; Zhao, YN; Lu, X; Xu, GW. Metabolic profiling based on LC/MS to evaluate unintended effects of transgenic rice with cry1Ac and sck genes. PLANT MOLECULAR BIOLOGY Volume: 78 Issue: 4-5 Pages: 477-487 DOI: 10.1007/s11103-012-9876-3 Published: MAR 2012

82. Chen HC, Bodulovic G, Hall PJ, Moore A, Higgins TJV, Djordjevic MA, Rolfe BG (2009) Unintended changes in protein expression revealed by proteomic analysis of seeds from transgenic pea expressing a bean alpha-amylase inhibitor gene. Proteomics 9: 4406-4415

83. Chen X, Zhuo Q, Piao J, Yang X. (2004) [Immunotoxicologic assessment of transgenetic rice][Article in Chinese]. Wei Sheng Yan Jiu. 33:77-80.

84. Chen ZL, Gu H, Li Y, Su Y, Wu P, Jiang Z, Ming X, Tian J, Pan N, Qu LJ. (2003) Safety assessment for genetically modified sweet pepper and tomato. Toxicology. 2003 Jun 30;188(2-3):297-307.

85. Cheng KC, Beaulieu J, Iquira E, Belzile FJ, Fortin MG, Strömvik MV.(2008) Effect of transgenes on global gene expression in soybean is within the natural range of variation of conventional cultivars. J Agric Food Chem. 2008 May 14;56(9):3057-67. Epub 2008 Apr 23.

86. Choi, H; Moon, JK; Park, BS; Park, HW; Park, SY; Kim, TS; Kim, DH; Ryu, TH; Kweon, SJ; Kim, JH. Comparative Nutritional Analysis for Genetically Modified Rice, Iksan483 and Milyang204, and Nontransgenic Counterparts. JOURNAL OF THE KOREAN SOCIETY FOR APPLIED BIOLOGICAL CHEMISTRY Volume: 55 Issue: 1 Pages: 19-26 DOI: 10.1007/s13765-012-0004-5 Published: FEB 2012

87. Chowdhury EH, Mikami O, Murata H, Sultana P, Shimada N, Yoshioka M, Guruge KS, Yamamoto S, Miyazaki S, Yamanaka N, Nakajima Y (2004) Fate of maize intrinsic and recombinant genes in calves fed genetically modified maize Bt11. Journal of Food Protection 67:365-370

88. Chowdhury EH, Mikami O, Nakajima Y, Hino A, Kuribara H, Suga K, Hanazumi M, Yomemochi C. Detection of genetically modified maize DNA fragments in the intestinal contents of pigs fed StarLink CBH351. Vet Hum Toxicol. 2003 Mar;45(2):95-6.

89. Chowdhury EH, Shimada N, Murata H, Mikami O, Sultana P, Miyazaki S, Yoshioka M, Yamanaka N, Hirai N, Nakajima Y.(2003). Detection of Cry1Ab protein in gastrointestinal contents but not visceral organs of genetically modified Bt11-fed calves. Vet Hum Toxicol. 2003 Mar;45(2):72-5.

90. Chowdury, E.H., Kuribara, H., Hino, A., Sultana, P., Mikami, O., Shimada, N., Guruge, K.S., Saito, M.,Nakayima, Y. (2003). Detection of corn intrinsic and DNA fragments and Cry1Ab protein in the gastrointestinal contents of pigs fed genetically modified corn Bt11. J. Anim. Sci. 81, 2546–2551.

91. Chrenkova M, Sommer A, Ceresnakova Z, Nitrayova S, Prostredna M (2002) Nutritional evaluation of genetically modified maize corn performed on rats. Archives of Animal Nutrition-Archiv fur Tierernahrung 56:229-235

92. Chukwudebe A, Privalle L, Reed A, Wandelt C, Contri D, Dammann M, Groeters S, Kaspers U, Strauss V, van Ravenzwaay B. Health and nutritional status of Wistar rats following subchronic exposure to CV127 soybeans. Food Chem Toxicol. 2012 Mar;50(3-4):956-71.

93. Cisterna B, Flach F, Vecchio L, Barabino SM, Battistelli S, Martin TE, Malatesta M, Biggiogera M. Can a genetically-modified organism-containing diet influence embryo development? A preliminary study on pre-implantation mouse embryos. Eur J Histochem. 2008 Oct-Dec;52(4):263-7.

94. Coll A, Nadal A, Collado R, Capellades G, Kubista M, Messeguer J, Pla M. (2010) Natural variation explains most transcriptomic changes among maize plants of MON810 and comparable non-GM varieties subjected to two N-fertilization farming practices. Plant Mol Biol. 2010 Jun;73(3):349-62. Epub 2010 Mar 27.

95. Coll A, Nadal A, Collado R, Capellades G, Messeguer J, Melé E, Palaudelmàs M, Pla M. (2009) Gene expression profiles of MON810 and comparable non-GM maize varieties cultured in the field are more similar than are those of conventional lines. Transgenic Res. 18(5):801-8. Epub 2009 Apr 26.

96. Coll A, Nadal A, Palaudelmàs M, Messeguer J, Melé E, Puigdomènech P, Pla M (2008) Lack of repeatable differential expression patterns between MON810 and comparable commercial varieties of maize.Plant Mol Biol. 68(1-2):105-17.

97. Coll A, Nadal A, Rossignol M, Puigdome`nech P, Pla M (2011) Proteomic analysis of MON810 and comparable non-GM maize varieties grown in agricultural fields. Transgenic Res. 2011 Aug;20(4):939-49.

98. Combs, D.K. and G.F. Hartnell. 2006. Effects of feeding Roundup Ready alfalfa on intake and milk production of dairy cows. J. Dairy Sci. 89(Suppl. 1):374 Abstract W234.

99. Combs, DK and Hartnell GF (2008) Alfalfa Containing the Glyphosate-Tolerant Trait Has No Effect on Feed Intake, Milk Composition, or Milk Production of Dairy Cattle. J. Dairy Sci. 91:673–678 doi:10.3168/jds.2007-0611

100. Corpillo D, Gardini G, Vaira AM, Basso M, Aime S, Accotto GP, Fasano M (2004) Proteomics as a tool to improve investigation of substantial equivalence in genetically modified organisms: the case of a virus-resistant tomato. Proteomics. 2004 Jan;4(1):193-200.

101. Cromwell GL, Henry BJ, Scott AL, Gerngross MF, Dusek DL, Fletcher DW. Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-finishing swine. J Anim Sci. 2005 May;83(5):1068-74.

102. Cromwell GL, Lindemann MD, Randolph JH, Parker GR, Coffey RD, Laurent KM, Armstrong CL, Mikel WB, Stanisiewski EP, Hartnell GF.(2002). Soybean meal from roundup ready or conventional soybeans in diets for growing-finishing swine. J Anim Sci. 80:708-15.

103. Custodio MG, Powers WJ, Huff-Lonergan E, Faust MA, Stein J. 2004. Growth and carcass characteristics of pigs fed biotechnologically derived and non-biotechnologically derived corn and harvested at different weights. J Anim Sci 82(Suppl. 1):456(Abstr 911).

104. Custodio, M.G., W.J. Powers, E. Huff-Lonergan, M.A. Faust, and J. Stein. 2006. Growth, pork quality, and excretion characteristics of pigs fed Bt corn or non-transgenic corn. Can. J. Anim. 86:461- 469.

105. Daleprane JB, Chagas MA, Vellarde GC, Ramos CF, Boaventura GT. The impact of non- and genetically modified soybean diets in aorta wall remodeling. J Food Sci. 2010 Sep;75(7):T126-31.

106. Daleprane JB, Feijó TS, Boaventura GT. Organic and genetically modified soybean diets: consequences in growth and in hematological indicators of aged rats. Plant Foods Hum Nutr. 2009 Mar;64(1):1-5.

107. Daleprane, J.B., Pacheco, J.T., Boaventura, G.T. (2009). Evaluation of protein quality from genetically modified and organic soybean in two consecutives generations of Wistar rats. Braz. Arch. Biol. Technol. 52, 841–847.

108. de la Campa, Regina, David C. Hooker, J. David Miller, Arthur W. Schaafsma and Bruce G. Hammond (2005) Modeling effects of environment, insect damage, and Bt

genotypes on fumonisin accumulation in maize in Argentina and the Philippines, Mycopathologia Volume 159, Number 4 June 2005 Pages: 539 – 552.

109. de Luis R, Lavilla M, Sánchez L, Calvo M, Pérez MD. Pepsin degradation of Cry1A(b) protein purified from genetically modified maize (Zea mays). J Agric Food Chem. 2010 Feb 24;58(4):2548-53. doi: 10.1021/jf903815s.

110. de Vendômois JS, Roullier F, Cellier D, Séralini GE. (2009). A comparison of the effects of three GM corn varieties on mammalian health. Int J Biol Sci. ;5(7):706-26.

111. Deaville, E.R. and B.C. Maddison. (2005). Detection of transgenic and endogenous plant DNA fragments, in the blood, tissues, and digesta of broilers. J. Agric. Food Chem. 53:10268-10275.

112. Defernez M, Gunning YM, Parr AJ, Shepherd LV, Davies HV, Colquhoun IJ. (2004) NMR and HPLC-UV profiling of potatoes with genetic modifications to metabolic pathways.J Agric Food Chem. 2004 Oct 6;52(20):6075-85.

113. Delaney B, Appenzeller LM, Munley SM, Hoban D, Sykes GP, Malley LA, et al. Subchronic feeding study of high oleic acid soybeans (event DP-3Ø5423-1) in Sprague–Dawley rats. Food Chem Toxicol 2008;46:3808–17.

114. Delaney B, Karaman S, Roper J, Hoban D, Sykes G, Mukerji P, Frame SR. Thirteen week rodent feeding study with grain from molecular stacked trait lepidopteran and coleopteran protected (DP-ØØ4114-3) maize. Food Chem Toxicol. 2012 Dec 20. doi:pii: S0278-6915(12)00864-2. 10.1016/j.fct.2012.12.002. [Epub ahead of print]

115. Delaney B, Zhang J, Carlson G, Schmidt J, Stagg B, Comstock B, Babb A, Finlay C, Cressman RF, Ladics G, Cogburn A, Siehl D, Bardina L, Sampson H, Han Y. A gene-shuffled glyphosate acetyltransferase protein from Bacillus licheniformis (GAT4601) shows no evidence of allergenicity or toxicity. Toxicol Sci. 2008 Apr;102(2):425-32.

116. Delgado JE, Wolt JD. Fumonisin B-1 Toxicity in Grower-Finisher Pigs: A Comparative Analysis of Genetically Engineered Bt Corn and non-Bt Corn by Using Quantitative Dietary Exposure Assessment Modeling. Int J Environ Res Public Health. 2011 Aug;8(8):3179-90.

117. Dijk JP, Leifert C, Barros E, Kok EJ. (2010) Gene expression profiling for food safety assessment: Examples in potato and maize. Regul Toxicol Pharmacol. 2010 Dec;58(3 Suppl):S21-5.

118. Domon, Eiji, Hidenori Takagi, Sakiko Hirose, Koichi Sugita, Saori Kasahara, Hiroyasu Ebinuma, Fumio Takaiwa (2009) 26-Week Oral Safety Study in Macaques for Transgenic Rice Containing Major Human T-Cell Epitope Peptides from Japanese Cedar Pollen Allergens, Journal of Agricultural and Food Chemistry 2009 57 (12), 5633-5638

119. Donkin SS, Velez JC, Totten AK, Stanisiewski EP, Hartnell GF (2003). Effects of feeding silage and grain from glyphosate-tolerant or insect-protected corn hybrids on feed intake, ruminal digestion, and milk production in dairy cattle. Journal of Dairy Science 86:1780-1788

120. Doull, J; Gaylor, D; Greim, H; Lovell, DP; Lynch, B; Munro, IC (2007) Report of an expert panel on the reanalysis by Seralini et al. (2007) of a 90-day study conducted by Monsanto in support of the safety of a genetically modified corn variety (MON 863). Food and Chemical Toxicology 45 (11): 2073-2085 NOV 2007

121. Dowd PF (2001) Biotic and abiotic factors limiting efficacy of Bt corn in indirectly reducing mycotoxin levels in commercial fields. J Econ Ent 94(5): 1067–1074.

122. Dowd, Patrick F (2000). Indirect Reduction of Ear Molds and Associated Mycotoxins in Bacillus thuringiensis Corn Under Controlled and Open Field Conditions: Utility and Limitations, Journal of Economic Entomology Volume 93, Issue 6 (December 2000) pp. 1669–1679

123. Drury SM, Reynolds TL, Ridley WP, Bogdanova N, Riordan S, Nemeth MA, Sorbet R, Trujillo WA, Breeze ML. (2008) Composition of forage and grain from second-generation insect-protected corn MON 89034 is equivalent to that of conventional corn (Zea mays L.).J Agric Food Chem. 2008 Jun 25;56(12):4623-30.

124. Dryzga MD, Yano BL, Andrus AK, Mattsson JL.(2007) Evaluation of the safety and nutritional equivalence of a genetically modified cottonseed meal in a 90-day dietary toxicity study in rats. Food Chem Toxicol. 2007 Oct;45(10):1994-2004.

125. Duggan PS, Chambers PA, Heritage J, Michael Forbes J. (2003) Fate of genetically modified maize DNA in the oral cavity and rumen of sheep. Br J Nutr. 2003 Feb;89(2):159-66.

126. Duggan, P.S., Chambers, P.A., Heritage, J., Forbes, J.M. (2000). Survival of free DNA encoding antibiotic resistance from transgenic maize and the transformation activity of DNA in ovine saliva, ovine rumen fluid and silage effluent. FEMS Microbiol. Lett. 191, 71–7.

127. Duke SO, Rimando AM, Pace PF, Reddy KN, Smeda RJ.(2003) Isoflavone, glyphosate, and aminomethylphosphonic acid levels in seeds of glyphosate-treated, glyphosate-resistant soybean. J Agric Food Chem. 2003 Jan 1;51(1):340-4.

128. Duke, S. O.; Lydon, J.; Koskinen, W. C.; Moorman, T. B.; Chaney, R. L.; Hammerschmidt, R. Glyphosate effects on plant mineral nutrition, crop rhizosphere microbiota, and plant disease in glyphosate-resistant crops. J. Agric. Food Chem. 2012, 60, 10375−10397.

129. Edwards HM 3rd, Douglas MW, Parsons CM, Baker DH. Protein and energy evaluation of soybean meals processed from genetically modified high-protein soybeans. Poult Sci. 2000 Apr;79(4):525-7.

130. Einspanier R, Klotz A, Kraft J, Aulrich K, Poser R, Schwa¨gele F, Jahreis G, Flachowsky G. 2001. The fate of forage plant DNA in farm animals: A collaborative case-study investigating cattle and chicken fed recombinant plant material. Eur Food Res Technol 212:129 – 134.

131. Einspanier R, Lutz B, Rief S, Berezina O, Zverlov V, Schwarz W, Mayer J (2004) Tracing residual recombinant feed molecules during digestion and rumen bacterial diversity in cattle fed transgene maize. European Food Research and Technology 218:269-273

132. El Ouakfaoui S, Miki B (2005) The stability of the Arabidopsis transcriptome in transgenic plants expressing the marker genes nptII and uidA. Plant J 41: 791–800.

133. El Sanhoty R, El-Rahman AA, Bogl KW (2004). Quality and safety evaluation of genetically modified potatoes spunta with Cry V gene: compositional analysis, determination of some toxins, antinutrients compounds and feeding study in rats. Nahrung. 48:13-8.

134. El-Khishin, D. A. A. H.; Amina; El Moghazy, G.; Metry, E. A. Assessment of genetically modified potato lines resistant to potato virus Y using compositional analysis and molecular markers. Res. J. Agric. Biol. Sci. 2009, 5 (3), 261−271.

135. Elangovan, A., A. Mandal, and T. Johri. 2003. Comparative performance of broilers fed diets containing processed meals of Bt, parental non-Bt line or commercial cotton seeds. Asian-Australasian Journal of Animal Sciences. 16(1):57-62.

136. Enfissi EM, Barneche F, Ahmed I, Lichtlé C, Gerrish C, McQuinn RP, Giovannoni JJ, Lopez-Juez E, Bowler C, Bramley PM, Fraser PD. Integrative transcript and metabolite analysis of nutritionally enhanced DE-ETIOLATED1 downregulated tomato fruit. Plant Cell. 2010 Apr;22(4):1190-215.

137. Erickson GE, Robbins ND, Simon JJ, Berger LL, Klopfenstein TJ, Stanisiewski EP, Hartnell GF (2003). Effect of feeding glyphosate-tolerant (roundup-ready events GA21 or nk603) corn compared with reference hybrids on feedlot steer performance and carcass characteristics. J Anim Sci. 81:2600-8.

138. Esposito, F.; Fogliano, V.; Cardi, T.; Carputo, D.; Filippone, E. Glycoalkaloid content and chemical composition of potatoes improved with nonconventional breeding approaches. J. Agric. Food Chem. 2002, 50 (6), 1553−1561.

139. Ewen SWB, Pusztai A (1999). Effect of diets containing genetically modified potatoes expressing Galanthus nivalis lectin on rat small intestine. Lancet 354:1353-1354

140. Fares NH, El-Sayed AK (1998). Fine structural changes in the ileum of mice fed on delta-endotoxin-treated potatoes and transgenic potatoes. Nat Toxins. 6:219-33.

141. Faust M, Smith B, Rice D, Owens F, Hinds M, Dana G, Hunst P.(2007) Performance of lactating dairy cows fed silage and grain from a maize hybrid with the cry1F trait versus its nonbiotech counterpart.J Dairy Sci. 2007 Dec;90(12):5706-13.

142. Fearing PL, Brown D, Vlachos D, Meghji M, Privalle L (1997). Quantitative analysis of CryIA(b) expression in Bt maize plants, tissues, and silage and stability of expression over successive generations. Molecular Breeding 3:169-176

143. Fermín G, Keith RC, Suzuki JY, Ferreira SA, Gaskill DA, Pitz KY, Manshardt RM, Gonsalves D, Tripathi S. 2011. Allergenicity assessment of the papaya ringspot virus coat protein expressed in transgenic rainbow papaya. J Agric Food Chem. 59(18):10006-12.

144. Finamore A, Roselli M, Britti S, Monastra G, Ambra R, Turrini A, Mengheri E. Intestinal and peripheral immune response to MON810 maize ingestion in weaning and old mice. J Agric Food Chem. 2008 Dec 10;56(23):11533-9. doi: 10.1021/jf802059w.

145. Flachowsky, G., I. Halle, and K. Aulrich. (2005) Long term feeding of Bt-corn – a ten generation study with quails. Archives of Animal Nutrition 59(6):449-451.

146. Flachowsky, G; Chesson, A; Aulrich, K. Animal nutrition with feeds from genetically modified plants. ARCHIVES OF ANIMAL NUTRITION Volume: 59 Issue: 1 Pages: 1-40 DOI: 10.1080/17450390512331342368 Published: FEB 2005

147. Folcher L, M. Delos, E. Marengue, M. Jarry, A. Weissenberger, N. Eychenne and C. Regnault-Roger (2010). Lower mycotoxin levels in Bt maize grain. Agron. Sustain. Dev. 30 (2010) 711–719.

148. Folmer JD, Grant RJ, Milton CT, Beck J (2002) Utilization of Bt corn residues by grazing beef steers and Bt corn silage and grain by growing beef cattle and lactating dairy cows. J Anim Sci. 80:1352-61.

149. Fonseca C, Planchon S, Renaut J, Oliveira MM, Batista R. Characterization of maize allergens - MON810 vs. its non-transgenic counterpart. J Proteomics. 2012 Apr 3;75(7):2027-37.

150. Frank, T.; Röhlig, R. M.; Davies, H. V.; Barros, E.; Engel, K.-H. Metabolite profiling of maize kernels焜genetic modification versus environmental influence. J. Agric. Food Chem. 2012, 60 (12), 3005−3012.

151. Fraser PD, Enfissi EMA, Halket JM, Truesdale MR, Yu D, Gerrish C, Bramley PM (2007) Manipulation of Phytoene Levels in Tomato Fruit: Effects on Isoprenoids, Plastids, and Intermediary Metabolism. Plant Cell 19: 3194-3211.

152. Frøystad-Saugen MK, Lilleeng E, Bakke-Mckellep AM, Vekterud K, Hemr, G, Krogdahl A. (2008). Gene expression in distal intestine of Atlantic salmon (Salmo salar L.) fed genetically modified soybean meal. Aquaculture Nutrition, 14, 204-214.

153. Frøystad-Saugen MK, Lilleeng E, Bakke-McKellep AM, Vekterud K, Valen EC, Hemre GI, Krogdahl Å. 2009. Distal intestinal gene expression in Atlantic salmon (Salmo salar L.) fed genetically modified maize. Aquacult. Nutr. 15(1): 104-115.

154. Fuchs RL, Ream JE, Hammond BG, Naylor MW, Leimgruber RM, et al. 1993. Safety assessment of the neomycin phosphotransferase-ii (nptII) protein. Bio/Technology 11:1543–47

155. Galbas, M; Borys, K; Wozniak, A; Selwet, M. Impact of globulins derived from genetically modified and conventional soybean on swine lymphocyte proliferation in in vitro cultures. ANNALS OF ANIMAL SCIENCE Volume: 11 Issue: 4 Pages: 497-505 Published: 2011

156. Gao CQ, Ma QG, Ji C, Luo XG, Tang HF, Wei YM. Evaluation of the compositional and nutritional values of phytase transgenic corn to conventional corn in roosters. Poult Sci. 2012 May;91(5):1142-8.

157. García-Villalba R, León C, Dinelli G, Segura-Carretero A, Fernández-Gutiérrez A, Garcia-Cañas V, Cifuentes A (2008) Comparative metabolomic study of transgenic versus conventional soybean using capillary electrophoresis-time-of-flight mass spectrometry. J Chromatogr A 1195: 164-73.

158. Gayen D, Sarkar SN, Datta SK, Datta K.Comparative analysis of nutritional compositions of transgenic high iron rice with its non-transgenic counterpart. Food Chem. 2013 Jun 1;138(2-3):835-40. doi: 10.1016/j.foodchem.2012.11.065. Epub 2012 Nov 24.

159. George C, Ridley WP, Obert JC, Nemeth MA, Breeze ML, Astwood JD. Composition of grain and forage from corn rootworm-protected corn event MON 863 is equivalent to that of conventional corn (Zea mays l.).J Agric Food Chem. 2004 Jun 30;52(13):4149-58.

160. Gizzarelli, F., Corinti, S., Barletta, B., Iacovacci, P., Brunetto, B., Butteroni, C., Afferni, C., Onori, R., Miraglia, M., Panzini, G., Felice, G., Tinghino, R., 2006. Evaluation of allergenicity of genetically modified soybean protein extract in a murine model of oral allergen-specific sensitization. Clin. Exp. Allergy 36, 238–248.

161. Glencross B, Curnow J, Hawkins W, Kissil GWM, Peterson D (2003). Evaluation of the feed value of a transgenic strain of the narrow-leaf lupin (Lupinus angustifolius) in the diet of the marine fish, Pagrus auratus. Aquaculture Nutrition 9:197-206

162. Gong CY, Li Q, Yu HT, Wang ZZ, Wang T. Proteomics Insight into the Biological Safety of Transgenic Modification of Rice As Compared with Conventional Genetic Breeding and Spontaneous Genotypic Variation. JOURNAL OF PROTEOME RESEARCH Volume: 11 Issue: 5 Pages: 3019-3029 DOI: 10.1021/pr300148w Published: MAY 2012

163. Grant RJ, Fanning KC, Kleinschmit D, Stanisiewski EP, Hartnell GF (2003). Influence of glyphosate-tolerant (event nk603) and corn rootworm protected (event MON863) corn silage and grain on feed consumption and milk production in Holstein cattle. Journal of Dairy Science 86:1707-1715

164. Gregersen, Per L., Brinch-Pedersen H, and Holm PB, (2005). A Microarray-Based Comparative Analysis of Gene Expression Profiles During Grain Development in Transgenic and Wild Type Wheat. Transgenic Research Volume 14, Number 6 December 2005. Pages: 887 - 905,DOI: 10.1007/s11248-005-1526-y

165. Grisolia CK, Oliveira R, Domingues I, Oliveira EC, Monerat RG, Soares AMVM. Genotoxic evaluation of different delta-endotoxins from Bacillus thuringiensis on zebrafish adults and development in early life stages. MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS Volume: 672 Issue: 2 Pages: 119-123 Published: 2009

166. Gruber, Helga, Vijay Paul, Patrick Guertler, Hubert Spiekers, Ales Tichopad, Heinrich H. D. Meyer, and Martin Mueller (2011) Fate of Cry1Ab Protein in Agricultural Systems under Slurry Management of Cows Fed Genetically Modified Maize (Zea mays L.) MON810: A Quantitative Assessment. Food Chem. 2011 Jul 13;59(13):7135-7144.

167. Gu J, Krogdahl A, Sissener NH, Kortner TM, Gelencser E, Hemre GI, Bakke AM. Effects of oral Bt-maize (MON810) exposure on growth and health parameters in normal and sensitised Atlantic salmon, Salmo salar L. Br J Nutr. 2013 Apr 28;109(8):1408-23.

168. Guertler P, Brandl C, Meyer HHD, Tichopad, A. Feeding genetically modified maize (MON810) to dairy cows: comparison of gene expression pattern of markers for apoptosis, inflammation and cell cycle. JOURNAL FUR VERBRAUCHERSCHUTZ UND LEBENSMITTELSICHERHEIT-JOURNAL OF CONSUMER PROTECTION AND FOOD SAFETY 2012; 7(3):195-202.

169. Guertler P, Paul V, Albrecht C, Meyer HH. Sensitive and highly specific quantitative real-time PCR and ELISA for recording a potential transfer of novel DNA and Cry1Ab protein from feed into bovine milk. Anal Bioanal Chem. 2009 Mar;393(6-7):1629-38. doi: 10.1007/s00216-009-2667-2. Epub 2009 Feb 19.

170. Guertler, P.; Lutz, B.; Kuehn, R.; et al. Fate of recombinant DNA and Cry1Ab protein after ingestion and dispersal of genetically modified maize in comparison to rapeseed by fallow deer (Dama dama). EUROPEAN JOURNAL OF WILDLIFE RESEARCH Volume: 54 Issue: 1 Pages: 36-43 DOI: 10.1007/s10344-007-0104-4 Published: FEB 2008

171. Guertler, Patrick; Paul, Vijay; Steinke, Kerstin; et al. Long-term feeding of genetically modified corn (MON810) - Fate of cry1Ab DNA and recombinant protein during the metabolism of the dairy cow. LIVESTOCK SCIENCE Volume: 131 Issue: 2-3 Pages: 250-259 Published: JUL 2010

172. Guimaraes V, Drumare MF, Lereclus D, Gohar M, Lamourette P, Nevers MC, Vaisanen-Tunkelrott ML, Bernard H, Guillon B, Créminon C, Wal JM, Adel-Patient K. In vitro digestion of Cry1Ab proteins and analysis of the impact on their immunoreactivity. J. Agric Food Chem . 2010; 21 : 3222-31

173. Guthrie, T.A., G.A. Apgar, K.E. Griswold, M.D. Lindemann, J.S. Radcliffe, and B.N. Jacobson. 2004. Nutritional value of a corn containing a glutamate dehydrogenase gene for growing pigs. J. Anim. Sci. 82:1693-1698.

174. Hamilton KA, Pyla PD, Breeze M, Olson T, Li MH, Robinson E, Gallagher SP, Sorbet R, Chen Y (2004). Bollgard II cotton: Compositional analysis and feeding studies of cottonseed from insect-protected cotton (Gossypium hirsutum L.) producing the Cry1Ac and Cry2Ab2 proteins. Journal of Agricultural and Food Chemistry 52:6969-6976

175. Hammond B, Campbell K, Pilcher C, Robinson A, Melcion D, Cahagnier B, Richard J, Sequeira J, Cea J, Tatli F, Grogna R, Pietri A, Piva G and Rice L (2003) Reduction of fumonisin mycotoxins in Bt corn. Toxicologist 72(S-1): 1217.

176. Hammond B, Dudek R, Lemen J, Nemeth M (2004) Results of a 13 week safety assurance study with rats fed grain from glyphosate tolerant corn. Food Chem Toxicol. 2004 Jun;42(6):1003-14.

177. Hammond B, Lemen J, Dudek R, Ward D, Jiang C, Nemeth M, Burns J (2006) Results of a 90-day safety assurance study with rats fed grain from corn rootworm-protected corn. Food Chem Toxicol 44:147–160

178. Hammond BG, Jez JM. Impact of food processing on the safety assessment for proteins introduced into biotechnology-derived soybean and corn crops. Food Chem Toxicol. 2011 Apr;49(4):711-21. doi: 10.1016/j.fct.2010.12.009. Epub 2010 Dec 16.

179. Hammond BG, Lemen JK, Ahmed G, Miller KD, Kirkpatrick J, Fleeman T (2008) Safety assessment of SDA soybean oil: results of a 28-day gavage study and a 90-day/one generation reproduction feeding study in rats. Regul Toxicol Pharmacol. 2008 Dec;52(3):311-23.

180. Hammond BG, Vicini JL, Hartnell GF, Naylor MW, Knight CD, Robinson EH, Fuchs RL, Padgette SR (1996) The feeding value of soybeans fed to rats, chickens, catfish and dairy cattle is not altered by genetic incorporation of glyphosate tolerance. J Nutr. 126:717-27.

181. Hammond, B.G., Dudek, R., Lemen, J.K., Nemeth, M.A., (2006). Results of a 90-day safety assurance study with rats fed grain from corn borer-protected corn. Food Chem. Toxicol., 44, 1092-1099

182. Hammond, Bruce G. Keith W. Campbell, Clinton D. Pilcher, Todd A. Degooyer, Aaron E. Robinson, Brian L. McMillen, Steven M. Spangler, Susan G. Riordan, Larry G. Rice, and John L. Richard (2004) Lower Fumonisin Mycotoxin Levels in the Grain of Bt Corn Grown in the United States in 2000-2002. J. Agric. Food Chem., 52 (5), 1390 -1397, 2004.

183. Han JH, Yang YX, Men JH, Bian LH, Guo J. Comparison of ileal digested production of parental rice and rice genetically modified with cowpeas trypsin inhibitor. Biomed Environ Sci. 2006 Feb;19(1):42-6.

184. Hanusova L, Rehout V, Citek J. Transgene Fragments in the Blood and Tissue of Chicken Fed with Genetically Modified Soy and Maize. ANIMAL NUTRITION AND FEED TECHNOLOGY 2011; 11(2): 249-256.

185. Hanusova, L.; Rehout, V.; Citek, J. Transgene Fragments in the Blood and Tissue of Chicken Fed with Genetically Modified Soy and Maize. ANIMAL NUTRITION AND FEED TECHNOLOGY Volume: 11 Issue: 2 Pages: 249-256 Published: JUL 2011

186. Hardisty JF, Banas DA, Gopinath C, Hall WC, Hard GC, Takahashi M. Spontaneous renal tumors in two rats from a thirteen week rodent feeding study with grain from molecular stacked trait lepidopteran and coleopteran resistant (DP-ØØ4114-3) maize. Food Chem Toxicol. 2012 Dec 13. doi:pii: S0278-6915(12)00865-4. 10.1016/j.fct.2012.12.003. [Epub ahead of print]

187. Harrigan GG, Glenn KC, Ridley WP. Assessing the natural variability in crop composition. Regul Toxicol Pharmacol. 2010 Dec;58(3 Suppl):S13-20. doi: 10.1016/j.yrtph.2010.08.023. Epub 2010 Sep 9.

188. Harrigan GG, Ridley WP, Miller KD, Sorbet R, Riordan SG, Nemeth MA, Reeves W, Pester TA. The forage and grain of MON 87460, a drought-tolerant corn hybrid, are compositionally equivalent to that of conventional corn. J Agric Food Chem. 2009 Oct 28;57(20):9754-63. PubMed PMID: 19778059.

189. Harrigan GG, Ridley WP, Riordan SG, Nemeth MA, Sorbet R, Trujillo WA, Breeze ML, Schneider RW. Chemical composition of glyphosate-tolerant soybean 40-3-2 grown in Europe remains equivalent with that of conventional soybean (Glycine max L.). J Agric Food Chem. 2007 Jul 25;55(15):6160-8.

190. Harrigan GG, Stork LG, Riordan SG, Reynolds TL, Ridley WP, Masucci JD, Macisaac S, Halls SC, Orth R, Smith RG, Wen L, Brown WE, Welsch M, Riley R, McFarland D, Pandravada A, Glenn KC. Impact of genetics and environment on nutritional and metabolite components of maize grain. J Agric Food Chem. 2007 Jul 25;55(15):6177-85. Epub 2007 Jul 3. PubMed PMID: 17608428.

191. Harrigan, G. G.; Lundry, D.; Drury, S.; Berman, K.; Riordan, S.G.; Nemeth, M. A.; Ridley, W. P.; Glenn, K. C. Natural variation in crop composition and the impact of transgenesis. Nat. Biotechnol. 2010, 28 (5), 402−404.

192. Harris WS, Lemke SL, Hansen SN, Goldstein DA, DiRienzo MA, Su H, Nemeth MA, Taylor ML, Ahmed G, George C.(2008) Stearidonic acid-enriched soybean oil increased the omega-3 index, an emerging cardiovascular risk marker. Lipids. 2008 Sep;43(9):805-11. Epub 2008 Aug 6.

193. Harrison, L.A., Bailey, M.R., Naylor, M.W., Ream, J.E., Hammond, B.G., Nida, D.L., Burnette, B.L., Nickson, T.E., Mitsky, T.A., Taylor, M.L., Fuchs, R.L., Padgette, S.R. (1996). The expressed protein in glyphosate-tolerant soybean, 5-enolpyruvylshikimate-3-phosphate synthase from Agrobacterium sp. strain CP4, is rapidly digested in vitro and is not toxic to acutely gavaged mice. J. Nutr. 126, 728–740.

194. Hartnell, G.F., T. Hvelplund, and M.R. Weisbjerg. 2005. Nutrient digestibility in sheep fed diets containing Roundup Ready or conventional fodder beet, sugar beet, and beet pulp. J. Anim. Sci. 83:400-407.

195. Hashimoto W, Momma K, Yoon HJ, Ozawa S, Ohkawa Y, Ishige T, Kito M, Utsumi S, Murata K (1999) Safety assessment of transgenic potatoes with soybean glycinin by feeding studies in rats. Biosci Biotechnol Biochem. 63:1942-6.

196. Hashimoto, W., Momma, K., Katsube, T., Ohkawa, Y., Ishige, T., Kito, M., Utsumi, S., Murata, K., 1999a. Safety assessment of genetically engineered potatoes with designed soybean glycinin: compositional analyses of the potato tubers and digestibility of the newly expressed protein in transgenic potatoes. J. Sci. Food Agric. 79, 1607–1612.

197. He XY, Tang MZ, Luo YB, Li X, Cao SS, Yu JJ, Delaney B, Huang KL.(2009) A 90-day toxicology study of transgenic lysine-rich maize grain (Y642) in Sprague-Dawley rats. Food Chem Toxicol. 2009 Feb;47(2):425-32. Epub 2008 Dec 6.

198. He, X Y; Huang, K L; Li, X; Qin, W; Delaney, B; Luo, Y B, 2008, Comparison of grain from corn rootworm resistant transgenic DAS-59122-7 maize with non-transgenic maize grain in a 90-day feeding study in Sprague-Dawley rats., Food and Chemical Toxicology, 46(6):1994-2002

199. Healy C, Hammond B, Kirkpatrick J (2008) Results of a 13-week safety assurance study with rats fed grain from corn rootworm-protected, glyphosate-tolerant MON 88017 corn Food and Chemical Toxicology 46 (2008) 2517–2524

200. Hemre GI, Sanden M, Bakke-Mckellep AM, Sagstad A, Krogdahl A (2005) Growth, feed utilization and health of Atlantic salmon Salmo salar L. fed genetically modified compared to non-modified commercial hybrid soybeans. Aquaculture Nutrition 11:157-167

201. Hemre, G.-I., A. Sagstad, A.M. Bakke-McKellep, A. Danieli, R. Acierno, M. Maffia, M. Frøystad, Å. Krogdahl, and M. Sanden. 2007. Suitability of genetically modified soybean meal in rainbow trout diets. Aquaculture Nutrition 13: 186-199.

202. Herman RA, Dunville CM, Juberg DR, Fletcher DW, Cromwell GL. 2011. Performance of broiler chickens fed event DAS-40278-9 maize containing the aryloxyalkanoate dioxygenase-1 protein. Regul Toxicol Pharmacol. 60(3):296-9.

203. Herman RA, Dunville CM, Juberg DR, Fletcher DW, Cromwell GL. 2011. Performance of broiler chickens fed diets containing DAS-68416-4 soybean meal. GM Crops. 2(3):169-75.

204. Herman RA, Ladics GS. Endogenous allergen upregulation: transgenic vs. traditionally bred crops. Food Chem Toxicol. 2011 Oct;49(10):2667-9.

205. Herman RA, Phillips AM, Collins RA, Tagliani LA, Claussen FA, Graham CD, Bickers BL, Harris TA, Prochaska LM. Compositional equivalency of Cry1F corn event TC6275 and conventional corn (Zea mays L.). J Agric Food Chem. 2004 May 5;52(9):2726-34.

206. Herman RA, Phillips AM, Lepping MD, Fast BJ, Sabbatini J. Compositional safety of event DAS-40278-9 (AAD-1) herbicide-tolerant maize. Crops. 2010 Nov-Dec;1(5):294-311. doi: 10.4161/gmcr.1.5.14285.

207. Herman RA, Scherer PN, Phillips AM, Storer NP, Krieger M.(2010). Safe composition levels of transgenic crops assessed via a clinical medicine model. Biotechnol J. 2010 Feb;5(2):172-82.

208. Herman RA, Storer NP, Phillips AM, Prochaska LM, Windels P. Compositional assessment of event DAS-59122-7 maize using substantial equivalence. Regul Toxicol Pharmacol. 2007 Feb;47(1):37-47. Epub 2006 Oct 5.

209. Hérouet C, Esdaile DJ, Mallyon BA, Debruyne E, Schulz A, Currier T, Hendrickx K, van der Klis RJ, Rouan D. (2005) Safety evaluation of the phosphinothricin acetyltransferase proteins encoded by the pat and bar sequences that confer tolerance to glufosinate-ammonium herbicide in transgenic plants.Regul Toxicol Pharmacol. 2005 Mar;41(2):134-49. Epub 2005 Jan 18.

210. Herouet-Guicheney C, Rouquié D, Freyssinet M, Currier T, Martone A, Zhou J, Bates EE, Ferullo JM, Hendrickx K, Rouan D (2009). Safety evaluation of the double mutant 5-enol pyruvylshikimate-3-phosphate synthase (2mEPSPS) from maize that confers tolerance to glyphosate herbicide in transgenic plants.Regul Toxicol Pharmacol. 2009 Jul;54(2):143-53. Epub 2009 Mar 20.

211. Herrero. M, E. Ibanez, P.J. Martin-lvarez, and A. Cifuentes (2007) "Analysis of Chiral Amino Acids in Conventional and Transgenic Maize" Anal Chem. 2007 Jul 1;79(13):5071-7.

212. Hileman RE, Bonner HK, Kaempfe TA, Hammond BG, Glenn KC. Safety assessment of cre recombinase. J Agric Food Chem. 2006 Nov 1;54(22):8640-7.

213. Hoff M, Son DY, Gubesch M, Ahn K, Lee SI, Vieths S, Goodman RE, Ballmer-Weber BK, Bannon GA.(2007) Serum testing of genetically modified soybeans with special emphasis on potential allergenicity of the heterologous protein CP4 EPSPS. Mol Nutr Food Res. 2007 Aug;51(8):946-55.

214. Hohlweg, U., and Doerfler, W., 2001. On the fate of plant and other foreign genes upon the uptake in food or after intramuscular injection in mice. Mol. Genet. Genomics 265, 225–233. See GMO Pundit Post on DNA movement.

215. Hu Y, Li M, Piao J, Yang X. (2010) [Comparative research on digestibility of lysine-rich genetically modified rice and its parental rice in Wuzhishan mini-pig] Wei Sheng Yan Jiu. 2010 Jan;39(1):32-5. Chinese.

216. Hu Y, Piao J, Yang X. [Nutritional components and sub-chronic toxicity of genetically modified rice expressing human lactoferrin]. Wei Sheng Yan Jiu. 2012 Jan;41(1):6-12.

217. Huang Q, Liu H, Zhi Y, Gao P, Yy Z, Liu S, Xu H. [In vivo digestibility of rice genetically modified with CpTI in WZS mini-pig]. Wei Sheng Yan Jiu. 2011 Nov;40(6):680-3.

218. Huls, T.J., G.E. Erickson, T.J. Klopfenstein, M.K. Luebbe, K.J. Vander Pol, D.W. Rice, B.L. Smith, M.A. Hinds, F.N. Owens, and M.K. Liebergesell. 2007. Effect of feeding das-59122-7 corn grain and non-transgenic corn grain to finishing steers. J.Anim. Sci. 85:(Suppl. 1):172. (Abstr.)

219. Humphrey BD, Huang N, Klasing KC (2002) Rice expressing lactoferrin and lysozyme has antibiotic-like properties when fed to chicks. J Nutr. 132:1214-8.

220. Hyun Y, Bressner GE, Ellis M, Lewis AJ, Fischer R, Stanisiewski EP, Hartnell GF (2004) Performance of growing-finishing pigs fed diets containing Roundup Ready corn (event nk603), a nontransgenic genetically similar corn, or conventional corn lines. Journal of Animal Science 82:571-580.

221. Hyun Y, Bressner GE, Fischer RL, Miller PS, Ellis M, Peterson BA, Stanisiewski EP, Hartnell GF (2005) Performance of growing-finishing pigs fed diets containing YieldGard Rootworm corn (MON 863), a nontransgenic genetically similar corn, or conventional corn hybrids. J Anim Sci. 2005 Jul;83(7):1581-90.

222. Igawa T, Takahashi-Ando N, Ochiai N, Ohsato S, Shimizu T, Kudo T, Yamaguchi I, Kimura M. Reduced contamination by the Fusarium mycotoxin zearalenone in maize kernels through genetic modification with a detoxification gene. Appl Environ Microbiol. 2007 Mar;73(5):1622-9.

223. Ioset JR, Urbaniak B, Ndjoko-Ioset K, Wirth J, Martin F, Gruissem W, Hostettmann K, Sautter C (2007) Flavonoid profiling among wild type and related GM wheat varieties. Plant Molecular Biology 65 (5), 645-654

224. Ipharraguerre IR, Younker RS, Clark JH, Stanisiewski EP, Hartnell GF (2003) Performance of lactating dairy cows fed corn as whole plant silage and grain produced from a glyphosate-tolerant hybrid (event NK603). Journal of Dairy Science 86:1734-1741

225. Islam N, Campbell PM, Higgins TJV, Hirano H, Akhurst RJ (2009) Transgenic peas expressing an alpha-amylase inhibitor gene from beans show altered expression and modification of endogenous proteins. Electrophoresis 30: 1863–1868

226. Ivanciuc, O., T Garcia, M. Torres, C. H. Schein and W. Braun. 2008. Characteristic motifs for families of allergenic proteins. Molecular Immunology. doi:10.1016/j.molimm.2008.07.034

227. Ivashuta, S.I., Petrick, J.S., Heisel, S.E., Zhang, Y., Guo, L., Reynolds, T.L., Rice, J.F., Allen, E., Roberts, J.K., Endogenous Small RNAs in Grain: Semi-Quantification and Sequence Homology to Human and Animal Genes, Food and Chemical Toxicology (2008), doi: 10.1016/j.fct.2008.11.025

228. Jacobs CM, Utterback PL, Parsons CM, Rice D, Smith B, Hinds M, Liebergesell M, Sauber T.(2008) Performance of laying hens fed diets containing DAS-59122-7 maize grain compared with diets containing nontransgenic maize grain. Poult Sci. 2008 Mar;87(3):475-9.

229. Jacobs, C.M., P.L. Utterback, C.M. Parsons, B. Smith, M. Hinds, D. Rice, M. Liebergesell, and T. Sauber. 2007. Feeding performance in laying hens fed diets containing DAS-59122-7 maize grain compared with diets containing non-transgenic maize grain. Poult. Sci. 86(Suppl.1):519. (Abstr.)

230. Jacobs JL, Diez-Gonzalez F, Stern MD, Phillips RL. 2005. Detection of transgenic maize Cry1Ab protein subjected to ruminal digestion. JOURNAL OF ANIMAL AND FEED SCIENCES Volume: 14 Issue: 4 Pages: 655-664

231. Jaszczak K, Kruszewski M, Baranowski A, Parada R, Bartlomiejczyk T, Zimny J, Rosochacki S. (2008) Micronucleus test and comet assay on mice fed over five generations a diet containing genetically modified triticale. Journal of Animal and Feed Sciences year: 2008, vol: 17, number: 1, pages: 100-109.

232. Jennings JC, Albee LD, Kolwyck DC, Surber JB, Taylor ML, Hartnell GF, Lirette RP, Glenn KC.(2003) Attempts to detect transgenic and endogenous plant DNA and transgenic protein in muscle from broilers fed YieldGard Corn Borer Corn. Poult Sci. 2003 Mar;82(3):371-80.

233. Jennings JC, Kolwyck DC, Kays SB, Whetsell AJ, Surber JB, Cromwell GL, Lirette RP, Glenn KC (2003) Determining whether transgenic and endogenous plant DNA and transgenic protein are detectable in muscle from swine fed Roundup Ready soybean meal. Journal of Animal Science 81:1447-1455.

234. Jennings JC, Whetsell AJ, Nicholas NR, Sweeney BM, Klaften MB, Kays SB, Hartnell GF, Lirette RP, Glenn KC (2003) Determining whether transgenic or endogenous plant DNA is detectable in dairy milk or beef organs. Bulletin of the International Dairy Federation 383:41-46.

235. Jiang, XB; Xiao, GY. Detection of unintended effects in genetically modified herbicide-tolerant (GMHT) rice in comparison with non-target phenotypic characteristics. AFRICAN JOURNAL OF AGRICULTURAL RESEARCH Volume: 5 Issue: 10 Pages: 1082-1088 Published: MAY 18 2010

236. Jiao Z, XX Si, GK Li, ZM Zhang, Xu XP (2010) Unintended Compositional Changes in Transgenic Rice Seeds (Oryza sativa L) Studied by Spectral and Chromatographic Analysis Coupled with Chemometrics Methods. J Agric Food Chem 58: 1746-1754.

237. Jiao, Z; Deng, JC; Li, GK; Zhang, ZM; Cai, ZW. Study on the compositional differences between transgenic and non-transgenic papaya (Carica papaya L.). JOURNAL OF FOOD COMPOSITION AND ANALYSIS Volume: 23 Issue: 6 Special Issue: SI Pages: 640-647 DOI: 10.1016/j.jfca.2010.03.004 Published: SEP 2010

238. Jiao, Z; Si, XX; Zhang, ZM; Li, GK; Cai, ZW. Compositional study of different soybean (Glycine max L.) varieties by H-1 NMR spectroscopy, chromatographic and spectrometric techniques. FOOD CHEMISTRY Volume: 135 Issue: 1 Pages: 285-291 DOI: 10.1016/j.foodchem.2012.04.091 Published: NOV 1 2012

239. Juberg DR, Herman RA, Thomas J, Brooks KJ, Delaney B. Acute and repeated dose (28 day) mouse oral toxicology studies with Cry34Ab1 and Cry35Ab1 Bt proteins used in coleopteran resistant DAS-59122-7 corn. Regul Toxicol Pharmacol 2009; 54:154–63.

240. Jung HG, Sheaffer CC (2004) Influence of Bt transgenes on cell wall lignification and digestibility of maize stover for silage. Crop Science 44:1781-1789

241. Juskiewicz J, Zdunczyk Z, Fornal J (2005) Nutritional properties of tubers of conventionally bred and transgenic lines of potato resistant to necrotic strain of Potato virus Y (PVYN). Acta Biochim Pol. 2005;52(3):725-9.

242. Kan CA, Hartnell GF (2004) Evaluation of broiler performance when fed insect-protected, control, or commercial varieties of dehulled soybean meal.Poult Sci. 2004 Dec;83(12):2029-38.

243. Kan CA, Hartnell GF (2004) Evaluation of broiler performance when fed Roundup-Ready wheat (event MON 71800), control, and commercial wheat varieties. Poult Sci. 2004 Aug;83(8):1325-34.

244. Khalf, M.; Goulet, C.; Vorster, J.; Brunelle, F.; Anguenot, R.; Fliss, I.; Michaud, D. Tubers from potato lines expressing a tomato Kunitz protease inhibitor are substantially equivalent to parental and transigenic controls. Plant Biotechnol. J. 2010, 8 (2), 155−169.

245. Kier LD, Kirkland DJ. Review of genotoxicity studies of glyphosate and glyphosate-based formulations. Crit Rev Toxicol. 2013 Apr;43(4):283-315. doi: 10.3109/10408444.2013.770820. Epub 2013 Mar 12.

246. Kim HS, Kim SW, Park YS, Kwon SY, Liu JR, Joung H, Jeon JH (2009) Metabolic profiles of genetically modified potatoes using a combination of metabolite fingerprinting and multivariate analysis. Biotechnol Bioproc Eng 14: 738-747.

247. Kim JK, Park SY, Lee SM, Lim SH, Kim HJ, Oh SD, Yeo Y, Cho HS, Ha SH. Unintended polar metabolite profiling of carotenoid-biofortified transgenic rice reveals substantial equivalence to its non-transgenic counterpart. PLANT BIOTECHNOLOGY REPORTS 2013; 7(1):121-128.

248. Kim, J. K.; Chu, S. M.; Kim, S. J.; Lee, D. J.; Lee, S. Y.; Lim, S. H.; Ha, S.-H.; Kweon, S. J.; Cho, H. S. Variation of glucosinolates in vegetable crops of Brassica rapa L. ssp. pekinensis. Food Chem. 2010, 119 (1), 423−428.

249. Kim, J. K.; Park, S.-Y.; Ha, S.-H.; Lee, S. M.; Lim, S.-H.; Kim, H. J.; Ko, H.-S.; Oh, S.-D.; Park, J.-S.; Suh, S.-C. Compositional assessment of carotenoid-biofortified rice using substantial equivalence. Afr. J. Biotechnol. 2012, 11 (39), 9330−9335.

250. Kim, J.; Park, S.-Y.; Lee, S.; Lim, S.-H.; Kim, H.; Oh, S.-D.; Yeo, Y.; Cho, H.; Ha, S.-H. Unintended polar metabolite profiling of carotenoid-biofortified transgenic rice reveals substantial equivalence to its non-transgenic counterpart. Plant Biotechnol. Rep. 2012, 19−26.

251. Kim, JH; Seo, Y; Kim, JY; Han, YS; Lee, KS; Kim, SA; Kim, HN; Ahn, K; Lee, SI; Kim, HY. Allergenicity Assessment of Cry Proteins in Insect-resistant Genetically Modified Maize

Bt11, MON810, and MON863. FOOD SCIENCE AND BIOTECHNOLOGY Volume: 18 Issue: 5 Pages: 1273-1278 Published: OCT 2009

252. Kim, JK; Ryu, TH; Sohn, SI; Kim, JH; Chu, SM; Yu, CY; Baek, HJ. Metabolic Fingerprinting Study on the Substantial Equivalence of Genetically Modified (GM) Chinese Cabbage to Non-GM Cabbage. JOURNAL OF THE KOREAN SOCIETY FOR APPLIED BIOLOGICAL CHEMISTRY Volume: 52 Issue: 2 Pages: 186-192 DOI: 10.3839/jksabc.2009.034 Published: APR 2009

253. Kim, S. H., Kim, H. M., Ye, Y. M., Nahm, D. H., Park, H. S., Ryu, S. R., and Lee, B. O. (2006). Evaluating the allergic risk of genetically modified soybean. Yonsei Med. J., 47:505–512.

254. Kılıc A, Akay M T (2008) A three generation study with genetically modified Bt corn in rats: Biochemical and histopathological investigation Food and Chemical Toxicology 46 (2008) 1164–1170.

255. Kleter GA, Peijnenburg AA, Aarts HJ. Health considerations regarding horizontal transfer of microbial transgenes present in genetically modified crops. J Biomed Biotechnol. 2005;2005(4):326-52.

256. Kleter GA, Peijnenburg AA. Screening of transgenic proteins expressed in transgenic food crops for the presence of short amino acid sequences identical to potential, IgE - binding linear epitopes of allergens. BMC Struct Biol. 2002 Dec 12;2:8.

257. Klotz A, Mayer J, Einspanier R, (2002). Degradation and possible carry over of feed DNA monitored in pigs and poultry. Eur. Food Res. Technol. 214, 271–275.

258. Knudsen I, Poulsen M. 2007. Comparative safety testing of genetically modified foods in a 90-day rat feeding study design allowing the distinction between primary and secondary effects of the new genetic event. Regul Toxicol Pharmacol 49(1):53-62.

259. Koch M, Strobel E, Tebbe CC, Heritage J, Breves G, Huber K. Transgenic maize in the presence of ampicillin modifies the metabolic profile and microbial population structure of bovine rumen fluid in vitro. Br J Nutr. 2006 Nov;96(5):820-9.

260. Kogel KH, Voll LM, Schäfer P, Jansen C, Wu Y, Langen G, Imani J, Hofmann J, Schmiedl A, Sonnewald S, von Wettstein D, Cook RJ, Sonnewald U. Transcriptome and metabolome profiling of field-grown transgenic barley lack induced differences but show cultivar-specific variances. Proc Natl Acad Sci U S A. 2010 Apr 6;107(14):6198-203.

261. Kosieradzka I, Sawosz E, Pastuszewska B, Szwacka M, Malepszy S, Bielecki W, Czuminska K (2001) The effect of feeding diets with genetically modified cucumbers on the growth and health status of rats. Journal of Animal and Feed Sciences 10:7-12

262. Kosieradzka I, Sawosz E, Skomial J, Szopa J (2005) Transgenic potato tubers with overexpression of 14-3-3 protein in growing rat diets. 1. Selected hormone activities and liver function status. Journal of Animal and Feed Sciences 14:545-548.

263. Kosieradzka I, Sawosz E, Skomial J, Szopa J, Dudkowska I, Pastuszewska B (2005) Transgenic potato tubers with overexpression of 14-3-3 protein in growing rat diets. 2. Redox indices in blood and brain. Journal of Animal and Feed Sciences 14:549-552.

264. Kosieradzka I, Sawosz E, Winnicka A, Klucinski W, Malepszy S, Szwacka M, Pastuszewska B. The effect of transgenic cucumbers expressing thaumatin on selected immunity parameters in rats. Journal of Animal and Feed Sciences 2004. 13:97-100.

265. Kosieradzka I, Vasko V, Szwacka M, Przybysz A, Fiedorowicz S. Evaluation of the possibility of horizontal gene transfer and accumulation of transgenic DNA from the diet in the bodies of rats. Journal of Animal and Feed Sciences 2010; 19(2):307-15.

266. Kravchenko LV, Sorokina EIu, Tyshko NV, Chernysheva ON, Avren'eva LI, Guseva GV. Medico-genetic evaluation of sugar sand, obtained from genetically-modified sugar beet line 77 (toxicologico-biochemical studies). Vopr Pitan. 2002;71(3):28-31. Russian.

267. Kroghsbo S, Madsen C, Poulsen M, Schrøder M, Kvist PH, Taylor M, Gatehouse A, Shu Q, Knudsen I. Immunotoxicological studies of genetically modified rice expressing PHA-E lectin or Bt toxin in Wistar rats. Toxicology. 2008 Mar 12;245(1-2):24-34.

268. Krzyżowska, M., M. Wincenciak, A. Winnicka, A. Baranowski, K. Jaszczak, J. Zimny, M. Niemiałtowski (2010) The effect of multigenerational diet containing genetically modified triticale on immune system in mice. Polish Journal of Veterinary Sciences Vol. 13, No. 3 (2010), 423-430.

269. Kumar, R.S. and K.K. Singhal. 2004. Chemical composition and nutritional evaluation of transgenic cotton for ruminants. Indian Journal of Animal Sciences 74(8):868-871.

270. Kusano M, Redestig H, Hirai T, Oikawa A, Matsuda F, Fukushima A, Arita M, Watanabe S, Yano M, Hiwasa-Tanase K, Ezura H, Saito K. Covering chemical diversity of genetically-modified tomatoes using metabolomics for objective substantial equivalence assessment. PLoS One. 2011 Feb 16;6(2):e16989.

271. Ladics GS, Bardina L, Cressman RF, Mattsson JL, Sampson HA.(2006) Lack of cross-reactivity between the Bacillus thuringiensis derived protein Cry1F in maize grain and dust mite Der p7 protein with human sera positive for Der p7-IgE. Regul Toxicol Pharmacol. 2006 Mar;44(2):136-43. Epub 2006 Jan 9.

272. Langkilde, S.; Schrøder, M.; Frank, T.; Shepherd, L. V. T.; Conner, S.; Davies, H. V.; Meyer, O.; Danier, J.; Rychlik, M.; Belknap, W. R.; McCue, K. F.; Engel, K.-H.; Stewart, D.;

Knudsen, I.; Poulsen, M. Compositional and toxicological analysis of a GM potato line with reduced α-solanine content − a 90-day feeding study in the Syrian Golden hamster. Regul. Toxicol. Pharmacol. 2012, 64 (1), 177−185.

273. La Paz JL, Pla M, Papazova N, Puigdomenech P, Vicient CM. 2010. Stability of the MON 810 transgene in maize. PLANT MOLECULAR BIOLOGY Volume: 74 Issue: 6 Pages: 563-571

274. La Paz JL, Vicient C, Puigdomenech P, Pla M. 2010. Characterization of polyadenylated cryIA(b) transcripts in maize MON810 commercial varieties. ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 396 Issue: 6 Pages: 2125-2133

275. Le Gall G, Colquhoun IJ, Davis AL, Collins GJ, Verhoeyen ME (2003) Metabolite profiling of tomato (Lycopersicon esculentum) using 1H NMR spectroscopy as a tool to detect potential unintended effects following a genetic modification. J Agric Food Chem. 2003 Apr 23;51(9):2447-56. Erratum in: J Agric Food Chem. 2004 May 19;52(10):3210.

276. Le Gall G, DuPont MS, Mellon FA, Davis AL, Collins GJ, Verhoeyen ME, Colquhoun IJ. Characterization and content of flavonoid glycosides in genetically modified tomato (Lycopersicon esculentum) fruits. J Agric Food Chem. 2003 Apr 23;51(9):2438-46.

277. Lee R-Y, Reiner D, Dekan G, Moore AE, Higgins TJV, Epstein MM (2013) Genetically Modified α-Amylase Inhibitor Peas Are Not Specifically Allergenic in Mice. PLoS ONE 8(1): e52972.

278. Lee SK, Ye YM, Yoon SH, Lee BO, Kim SH, Park HS. Evaluation of the sensitization rates and identification of IgE-binding components in wild and genetically modified potatoes in patients with allergic disorders. Clin Mol Allergy. 2006 Jul 4;4:10.

279. Lehesranta SJ, Davies HV, Shepherd LV, Nunan N, McNicol JW, Auriola S, Koistinen KM, Suomalainen S, Kokko HI, Kärenlampi SO. Comparison of tuber proteomes of potato varieties, landraces, and genetically modified lines. Plant Physiol. 2005 Jul;138(3):1690-9.

280. Lemke SL, Vicini JL, Su H, Goldstein DA, Nemeth MA, Krul ES, Harris WS. Dietary intake of stearidonic acid-enriched soybean oil increases the omega-3 index: randomized, double-blind clinical study of efficacy and safety. Am J Clin Nutr. 2010 Oct;92(4):766-75.

281. Li M, Hu YC, Piao JH, Yang XG. (2010) The main nutrients digestibility of genetically modified rice and parental rice in the terminal ileum of pigs. Zhonghua Yu Fang Yi Xue Za Zhi. 2010 Oct;44(10):913-7. Chinese.

282. Li M, Piao J, Yang X. (2010) [Subchronic toxicity test of genetically modified rice with double antisense starch-branching enzyme gene] Wei Sheng Yan Jiu. 2010 Jul;39(4):436-9, 443. Chinese.

283. Li M, Piao JH, Tian Y, Li WD, Li KJ, Yang XG. (2010) Postprandial glycaemic and insulinaemic responses to GM-resistant starch-enriched rice and the production of fermentation-related H2 in healthy Chinese adults. Br J Nutr. 2010 Apr;103(7):1029-34. Epub 2009 Nov 24.

284. Li MH, Hartnell GF, Robinson EH, Kronenberg JM, Healy CE, Oberle DF, Hoberg JR. 2008. Evaluation of cottonseed meal derived from genetically modified cotton as feed ingredients for channel catfish, Ictalurus punctatus. Aquacult. Nutr. 14(6): 490-498 CrossRef.

285. Li SX, Chen LH, Zheng FY, Li YC. Effect of the cp4-epsps gene on metal bioavailability in maize and soybean using bionic gastrointestinal tracts and ICP-MS determination. J Agric Food Chem. 2013 Feb 20;61(7):1579-84. doi: 10.1021/jf303962a. Epub 2013 Feb 6.

286. Li X, Huang K, He X, Zhu B, Liang Z, Li H, Luo Y.(2007) Comparison of nutritional quality between Chinese indica rice with sck and cry1Ac genes and its nontransgenic counterpart.J Food Sci. 2007 Aug;72(6):S420-4.

287. Li X, Huang K, Zhu B, Liang Z, Wei L, Luo Y (2008).Comparative physicochemical properties and structure of rice containing the sck+cryIAc genes and its nontransgenic counterpart.J Food Sci. 2008 Jan;73(1):S64-9.

288. Li Y, Piao J, Chen X, Zhuo Q. Nutrition assessment of transgenic rice. Wei Sheng Yan Jiu. 2004 May;33(3):303-6. Chinese.

289. Li Y, Piao J, Zhuo Q, Chen X, Chen X, Yang X. Subchronic toxicity test of transgenic rice. Wei Sheng Yan Jiu. 2004 Sep;33(5):575-8. Chinese.

290. Li Y, Piao J, Zhuo Q, Chen X, Mao D, Yang L, Yang X. Study on the teratogenicity effects of genetically modified rice with Xa21 on rats. Wei Sheng Yan Jiu. 2004 Nov;33(6):710-2. Chinese.

291. Li, X; He, XY; Luo, YB; Xiao, GY; Jiang, XB; Huang, KL. Comparative analysis of nutritional composition between herbicide-tolerant rice with bar gene and its non-transgenic counterpart. JOURNAL OF FOOD COMPOSITION AND ANALYSIS Volume: 21 Issue: 7 Pages: 535-539 DOI: 10.1016/j.jfca.2008.06.001 Published: NOV 2008

292. Liang CL, Li YN, Zhang XP, Song Y, Wang W, Fang J, Cui WM, Jia XD. [Immunotoxicologic assessment of genetically modified drought-resistant wheat T349 with GmDREB1]. [Article in Chinese]. Zhonghua Yu Fang Yi Xue Za Zhi. 2012 Jun;46(6):556-60.

293. Lin B, Tan ZL, Xiao GY, Zeng JY, Tang SX, Han XF, Wang M, Liu SM. Qualitative observation on persistence and microbial transformation of recombinant DNA from

transgenic rice biomass incubated in in vitro rumen system. Journal of Applied Animal Research 2013; 41(1):14-22.

294. Lin CH, Lu CT, Lin HT, Pan TM (2009).Safety Assessment and Detection Method of Genetically Modified Chinese Kale (Brassica oleracea cv. alboglabra). J Agric Food Chem. 2009;57(5):1876-81.

295. Lin CH, Pan TM (2011). Assessing the digestion of a genetically modified tomato (Solanum lycopersicum) R8 DNA in simulated gastric fluid using event-specific real-time PCR. European Food Research and Technology 232(6):1061-1067.

296. Lin CH, Sheu F, Lin HT, Pan TM. Allergenicity assessment of genetically modified cucumber mosaic virus (CMV) resistant tomato (Solanum lycopersicon). J Agric Food Chem. 2010 Feb 24;58(4):2302-6. doi: 10.1021/jf903487f.

297. Lin HT, Yen GC, Huang TT, Chan LF, Cheng YH, Wu JH, Yeh SD, Wang SY, Liao JW. Toxicity assessment of transgenic papaya ringspot virus of 823-2210 line papaya fruits. J Agric Food Chem. 2013 Feb 20;61(7):1585-96. doi: 10.1021/jf305036x. Epub 2013 Feb 7.

298. Lin, B., Tan, Z., Xiao, G., Wang, M., Cong, Z., Wang, S., Tang, S., Zhou, C., Sun, Z. and Wang, W. (2009), Evaluation of compositional and nutritional equivalence of genetically modified rice to conventional rice using in situ and in vitro techniques. Journal of the Science of Food and Agriculture, 89: 1490–1497.

299. List GR, Orthoefer F, Taylor N, Nelsen T, Abidi SL. 1999. Characterization of phospholipids from glyphosate-tolerant soybeans. Journal of the American Oil Chemists' Society 76(1), 57-60.

300. Liu P, He X, Chen D, Luo Y, Cao S, Song H, Liu T, Huang K, Xu W. 2012. A 90-day subchronic feeding study of genetically modified maize expressing Cry1Ac-M protein in Sprague-Dawley rats. Food Chem Toxicol. 50(9):3215-21

301. Liu JW, DeMichele SJ, Palombo J, Chuang LT, Hastilow C, Bobik E Jr, Huang YS.Effect of long-term dietary supplementation of high-gamma-linolenic canola oil versus borage oil on growth, hematology, serum biochemistry, and N-6 fatty acid metabolism in rats. J Agric Food Chem. 2004 Jun 16;52(12):3960-6.

302. Llorente B, Alonso GD, Bravo-Almonacid F, Rodríguez V, López MG, Carrari F, Torres HN, Flawiá MM. Safety assessment of nonbrowning potatoes: opening the discussion about the relevance of substantial equivalence on next generation biotech crops. Plant Biotechnol J. 2011 Feb;9(2):136-50.

303. Lucas DM, Taylor ML, Hartnell GF, Nemeth MA, Glenn KC, Davis SW. 2007. Broiler performance and carcass characteristics when fed diets containing lysine maize (LY038 or LY038 × MON 810), control, or conventional reference maize. Poult. Sci. 86: 2152-2161

304. Lundry DR, Burns JA, Nemeth MA, Riordan SG. Composition of Grain and Forage from Insect-Protected and Herbicide-Tolerant Corn, MON 89034 × TC1507 × MON 88017 × DAS-59122-7 (SmartStax) is Equivalent to That of Conventional Corn (Zea mays L). J Agric Food Chem. 2013 Jan 11. [Epub ahead of print]

305. Lundry DR, Ridley WP, Meyer JJ, Riordan SG, Nemeth MA, Trujillo WA, Breeze ML, Sorbet R. Composition of grain, forage, and processed fractions from second-generation glyphosate-tolerant soybean, MON 89788, is equivalent to that of conventional soybean (Glycine max L.). J Agric Food Chem. 2008 Jun 25;56(12):4611-22.

306. Lupi R, Denery-Papini S, Rogniaux H, Lafiandra D, Rizzi C, De Carli M, Moneret-Vautrin DA, Masci S, Larre C. How much does transgenesis affect wheat allergenicity? Assessment in two GM lines over-expressing endogenous genes. JOURNAL OF PROTEOMICS Volume: 80 Pages: 281-291 DOI: 10.1016/j.jprot.2013.01.028 Published: MAR 27 2013

307. Lutz B, Wiedemann S, Einspanier R, Mayer J, Albrecht C (2005) Degradation of Cry1Ab protein from genetically modified maize in the bovine gastrointestinal tract. Journal of Agricultural and Food Chemistry 53:1453-1456.

308. Lutz, B., Wiedemann, S; Albrecht, C. (2006) Degradation of transgenic Cry1Ab DNA and protein in Bt-176 maize during the ensiling process. Journal of Animal Physiology and Animal Nutrition, 90, 3-4, pp 116-123

309. Ma Q, Gao C, Zhang J, Zhao L, Hao W, Ji C. Detection of transgenic and endogenous plant DNA fragments and proteins in the digesta, blood, tissues, and eggs of laying hens fed with phytase transgenic corn. PLoS One. 2013;8(4):e61138.

310. Mackenzie SA, Belcher LA, Sykes GP, Frame SR, Mukerji P, Gillies PJ. (2010) Safety assessment of EPA-rich oil produced from yeast: Results of a 90-day subchronic toxicity study. Regulatory Toxicology and Pharmacology, 58(3):490-500

311. Mackenzie, S.A., Lamb, I., Schmidt, J., Deege, L., Morrisey, M.J., Harper, M., Layton, R.J., Prochaska, L.M., Sanders, C., Locke, M., Mattsson, J.L., Fuentes, A., Delaney, B., 2007. Thirteen week feeding study with transgenic maize grain containing event DASO15O7- 1 in Sprague–Dawley rats. Food Chem. Toxicol. 45, 551–562.

312. Magaña-Gómez JA, Cervantes GL, Yepiz-Plascencia G, de la Barca AM. Pancreatic response of rats fed genetically modified soybean. J Appl Toxicol. 2008 Mar;28(2):217-26.

313. Malatesta M, Biggiogera M, Manuali E, Rocchi MBL, Baldelli B, Gazzanelli G (2003) Fine structural analyses of pancreatic acinar cell nuclei from mice fed on genetically modified soybean. European Journal of Histochemistry 47:385-388

314. Malatesta M, Boraldi F, Annovi G, Baldelli B, Battistelli S, Biggiogera M, Quaglino D.(2008). A long-term study on female mice fed on a genetically modified soybean: effects on liver ageing. Histochem Cell Biol. 2008 Nov;130(5):967-77.

315. Malatesta M, Caporaloni C, Gavaudan S, Rocchi MBL, Serafini S, Tiberi C, Gazzanelli G (2002) Ultrastructural morphometrical and immunocytochemical analyses of hepatocyte nuclei from mice fed on genetically modified soybean. Cell Structure and Function 27:173-180. Erratum in: Cell Struct Funct. 2002 Oct;27(5):399.

316. Malatesta M, Caporaloni C, Rossi L, Battistelli S, Rocchi MBL, Tonucci F, Gazzanelli G (2002) Ultrastructural analysis of pancreatic acinar cells from mice fed on genetically modified soybean. Journal of Anatomy 201:409-415

317. Malatesta M, Perdoni F, Santin G, Battistelli S, Muller S, Biggiogera M. Hepatoma tissue culture (HTC) cells as a model for investigating the effects of low concentrations of herbicide on cell structure and function. Toxicol In Vitro. 2008 Dec;22(8):1853-60.

318. Malatesta, M., Tiberi, C., Baldelli, B., Battistelli, S., Manuali, E., Biggiogera, M., 2005. Reversibility of hepatocyte nuclear modifications in mice fed on genetically modified soybean. Eur. J. Histochem. 49, 237–242.

319. Malley, L.A., Everds, N.E., Reynolds, J., Mann, P.C., Lamb, I., Rood, T., Schmidt, J., Layton, R.J., Prochaska, L.M., Hinds, M., Locke, M., Chui, C.F., Claussen, F., Mattsson, J.L., Delaney, B., 2007. Subchronic feeding study of DAS-59122-7 maize grain in Sprague–Dawley rats. Food Chem. Toxicol. 45, 1277–1292

320. Malowicki, S. M. M.; Martin, R.; Qian, M. C. Comparison of sugar, acids, and volatile composition in raspberry bushy dwarf virusresistant transgenic raspberries and the wild type 'Meeker' (Rubus idaeus L.). J. Agric. Food Chem. 2008, 56 (15), 6648−6655.

321. Mandal AB, Elangovan AV, Shrivastav AK, Johri AK, Kaur S, Johri TS. Comparison of broiler chicken performance when fed diets containing meals of Bollgard II hybrid cotton containing Cry-X gene (Cry1Ac and Cry2ab gene), parental line or commercial cotton. Br Poult Sci. 2004 Oct;45(5):657-63.

322. Marsh JT, Tryfona T, Powers SJ, Stephens E, Dupree P, Shewry PR, Lovegrove A. Determination of the N-glycosylation patterns of seed proteins: applications to determine the authenticity and substantial equivalence of genetically modified (GM) crops. J Agric Food Chem. 2011 Aug 24;59(16):8779-88.

323. Masoero F, Moschini M, Rossi F, Prandini A, Pietri A. (1999). Nutritive value, mycotoxin contamination and in vitro rumen fermentation of normal and genetically modified corn (Cry1A9b) grown in northern Italy. Maydica 44: 205-209.

324. Mathesius CA, Barnett JF Jr, Cressman RF, Ding J, Carpenter C, Ladics GS, Schmidt J, Layton RJ, Zhang JX, Appenzeller LM, Carlson G, Ballou S, Delaney B (2009).Safety assessment of a modified acetolactate synthase protein (GM-HRA) used as a selectable marker in genetically modified soybeans. Regul Toxicol Pharmacol. 2009 Dec;55(3):309-20. Epub 2009 Aug 12.

325. Mazza R, Soave M, Morlacchini M, Piva G, Marocco A (2005) Assessing the transfer of genetically modified DNA from feed to animal tissues. Transgenic Res. 2005 Oct;14(5):775-84.

326. Mc Naughton, J.L., M. Roberts, B. Smith, D. Rice, M. Hinds, T. Rood, R. Layton, I.Lamb, and B. Delaney. 2008. Comparison of broiler performance and carcass yields when fed diets containing transgenic maize grains from event DP-Ø9814Ø-6 (Optimum GAT), near-isogenic control maize grain, or commercial reference maize grains. Poultry sci. 87:2562-2572.

327. Mc Naughton, J.L., M. Roberts, D. Rice, B. Smith, M. Hinds, J. Schmidt, M. Locke, A. Bryant, T. Rood, R. Layton, I. Lamb, and B. Delaney. 2007. Feeding performance in broiler chickens fed diets containing DAS-59122-7 maize grain compared to diets containing non-transgenic maize grain. Anim. Feed Sci. and Tech. 132(3-4):227-239.

328. McCann MC, Liu K, Trujillo WA, Dobert RC. Glyphosate-tolerant soybeans remain compositionally equivalent to conventional soybeans (Glycine max L.) during three years of field testing. J Agric Food Chem (2005) Jun 29;53(13):5331-5.

329. McCann MC, Rogan GJ, Fitzpatrick S, Trujillo WA, Sorbet R, Hartnell GF, Riodan SG, Nemeth MA. Glyphosate-tolerant alfalfa is compositionally equivalent to conventional alfalfa (Medicago sativa L.). J Agric Food Chem. 2006 Sep 20;54(19):7187-92.

330. McCann MC, Trujillo WA, Riordan SG, Sorbet R, Bogdanova NN, Sidhu RS.(2007) Comparison of the forage and grain composition from insect-protected and glyphosate-tolerant MON 88017 corn to conventional corn (Zea mays L.). J Agric Food Chem. 2007 May 16;55(10):4034-42.

331. McNaughton J, Roberts M, Rice D, Smith B, Hinds M, Delaney B, Iiams C, Sauber T. Evaluation of broiler performance and carcass yields when fed diets containing corn grain from transgenic stacked-trait product DAS-circle divide 15 circle divide 71xDAS-59122-7xMON-circle divide circle divide 81 circle divide-6xMON-circle divide circle divide 6 circle divide 3-6. JOURNAL OF APPLIED POULTRY RESEARCH 2011;20(4):542-553.

332. McNaughton J, Roberts M, Rice D, Smith B, Hinds M, Delaney B, Iiams C, Sauber T. Nutritional equivalency evaluation of transgenic maize grain from event DP-O9814O-6 and transgenic soybeans containing event DP-356O43-5: laying hen performance and egg quality measures. Poult Sci. 2011 Feb;90(2):377-89.

333. McNaughton J, Roberts M, Rice D, Smith B, Hinds M, Delaney B, Iiams C, Sauber T. Comparison of broiler performance and carcass yields when fed transgenic maize grain containing event DP-O9814O-6 and processed fractions from transgenic soybeans containing event DP-356O43-5. Poult Sci. 2011 Aug;90(8):1701-11.

334. McNaughton J, Roberts M, Smith B, Rice D, Hinds M, Sanders C, et al. Comparison of broiler performance when fed diets containing event DP-3Ø5423-1, nontransgenic near-isoline control, or commercial reference soybean meal, hulls, and oil. Poult Sci 2008;87:2549–61.

335. McNaughton J, Roberts M, Smith B, Rice D, Hinds M, Schmidt J, Locke M, Brink K, Bryant A, Rood T, Layton R, Lamb I, Delaney B. Comparison of broiler performance when fed diets containing event DP-356Ø43-5 (Optimum GAT), nontransgenic near-isoline control, or commercial reference soybean meal, hulls, and oil. Poult Sci. 2007 Dec;86(12):2569-81.

336. McNaughton JL, Zeph L. Broiler study nutritional evaluation of b.t.cry1f maize corn from bacillus thuringiensis subsp aizawai and phosphinothricin-n-acetyltransferase. POULTRY SCIENCE 2004; 83(S1):399-400.

337. Mejia L, Jacobs CM, Utterback PL, Parsons CM, Rice D, Sanders C, Smith B, Iiams C, Sauber T. (2010) Evaluation of the nutritional equivalency of soybean meal with the genetically modified trait DP-3O5423-1 when fed to laying hens. Poult Sci. 2010 Dec;89(12):2634-9.

338. Mendoza, C., Viteri, F., Lönnerdal, B., Young, K. A., Raboy, V. & Brown, K. H. (1998) Effect of genetically modified, low-phytic acid maize on absorption of iron from tortillas. Am. J. Clin. Nutr. 68: 1123–1127.

339. Mishra A, Gaur SN, Singh BP, Arora N. 2012. In silico assessment of the potential allergenicity of transgenes used for the development of GM food crops. Food Chem Toxicol. 50(5):1334-9.

340. Misra A, Kumar S, Verma AK, Chanana NP, Das M, Dhawan V, Dwivedi PD. 2012. Safety evaluation of genetically modified mustard (V4) seeds in terms of allergenicity: Comparison with native crop. GM Crops Food. 3(4):273-82.

341. Mohanta RK, Singhal KK, Tyagi AK, Rajput YS, Prasad S. Nutritional evaluation of transgenic cottonseed in the ration of lactating dairy cows. Trop Anim Health Prod. 2010; 42(3):431-8.

342. Mohanta RK, Singhal KK, Tyagi AK, Rajput YS. Effect of feeding transgenic cottonseed (Bt-cry1Ac gene) on nutrient utilization, production performance and blood biochemical status in lactating dairy cows. INDIAN JOURNAL OF ANIMAL SCIENCES Volume: 80 Issue: 12 Pages: 1220-1225 Published: DEC 2010

343. Molvig L, Tabe LM, Eggum BO, Moore AE, Craig S, Spencer D, Higgins TJ. 1997. Enhanced methionine levels and increased nutritive value of seeds of the transgenic lupins (Lupinus angustifolius L.) expressing a sunflower seed albumin gene. Proc. Natl. Acad. Sci. U.S.A. 94(16): 8393-8398.

344. Momma K, Hashimoto W, Ozawa S, Kawai S, Katsube T, Takaiwa F, Kito M, Utsumi S, Murata K. Quality and safety evaluation of genetically engineered rice with soybean glycinin: analyses of the grain composition and digestibility of glycinin in transgenic rice. Biosci Biotechnol Biochem. 1999 Feb;63(2):314-8.

345. Momma K, Hashimoto W, Yoon HJ, Ozawa S, Fukuda Y, Kawai S, Takaiwa F, Utsumi S, Murata K (2000) Safety assessment of rice genetically modified with soybean glycinin by feeding studies on rats. Biosci Biotechnol Biochem. 64:1881-6.

346. Mondal HA, Chakraborti D, Majumder P, Roy P, Roy A, Bhattacharya SG, Das S. 2011. Allergenicity assessment of Allium sativum leaf agglutinin, a potential candidate protein for developing sap sucking insect resistant food crops. PLoS One. 2011;6(11):e27716.

347. Montero M, Coll A, Nadal A, Messeguer J, Pla M.(2010) Only half the transcriptomic differences between resistant genetically modified and conventional rice are associated with the transgene. Plant Biotechnol J. 2011 Aug;9(6):693-702.

348. Moreno-Fierros L, García N, Gutiérrez R, López-Revilla R, Vázquez-Padrón RI. 2000. Intranasal, rectal and intraperitoneal immunization with protoxin Cry1Ac from Bacillus thuringiensis induces compartmentalized serum, intestinal, vaginal and pulmonary immune responses in Balb/c mice. Microbes Infect. 2(8): 885-890.

349. Morroni M, Thompson JR, Tepfer M. (2008) Twenty years of transgenic plants resistant to Cucumber mosaic virus. Mol Plant Microbe Interact. 2008 Jun;21(6):675-84

350. Munkvold GP and Hellmich RL (1999) Comparison of fumonisin concentrations in kernels of transgenic Bt maize hybrids and nontransgenic hybrids. Plant Dis 83(2): 130–138.

351. Munkvold GP, Hellmich RL, Showers WB. 1997. Reduced fusarium ear rot and symptomless infection in kernels of maize genetically engineered for european corn borer resistance. Phytopathology 87(10): 1071-1077.

352. Nair RS, Fuchs RL and Schuette SA (2002). Current methods for assesssing safety of genetically modified crops exemplified by data on Roundup Ready soybeans. Toxicol. pathol 30:117-125

353. Nakajima O, Koyano S, Akiyama H, Sawada J, Teshima R (2010).Confirmation of a predicted lack of IgE binding to Cry3Bb1 from genetically modified (GM) crops.Regul Toxicol Pharmacol. 2010 Apr;56(3):306-11.

354. Nakajima O, Teshima R, Takagi K, Okunuki H, Sawada J. ELISA method for monitoring human serum IgE specific for Cry1Ab introduced into genetically modified corn. Regul Toxicol Pharmacol. 2007; 47: 90-5.

355. Nemeth A, Wurz A, Artim L, Charlton S, Dana G, Glenn K, Hunst P, Jennings J, Shilito R, Song P (2004) Sensitive PCR analysis of animal tissue samples for fragments of endogenous and transgenic plant DNA. Journal of Agricultural and Food Chemistry 52:6129-6135

356. Netherwood, T., Martin-Orúe, S.M., O'Donnell, A.G., Gockling, S., Graham, J., Mathers, J.C., Gilbert, H.J., (2004). Assessing the survival of transgenic plant DNA in the human gastrointestinal tract. Nat.Biotechnol. 22, 204–209. See discussion in GMO Pundit Post on DNA and gene movement between species.

357. Neumann G, Brandes C, Joachimsthaler A, Hochegger R. 2011. Assessment of the genetic stability of GMOs with a detailed examination of MON810 using Scorpion probes. EUROPEAN FOOD RESEARCH AND TECHNOLOGY 233(1):19-30

358. Ng EC, Dunford NT, Chenault K (2008). Chemical characteristics and volatile profile of genetically modified peanut cultivars. J Biosci Bioeng. 2008 Oct;106(4):350-6.

359. Nida, D. L.; Patzer, S.; Harvey, P.; Stipanovic, R.; Wood, R.; Fuchs, R. L. Glyphosate-tolerant cotton: the composition of the cottonseed is equivalent to that of conventional cottonseed. J. Agric. Food Chem. 1996, 44 (7), 1967−1974.

360. Nielsen CR, Berdal KG, Bakke-McKellep AM, Holst-Jensen A. 2005. Dietary DNA in blood and organs of Atlantic salmon (Salmo salar L.). Eur. Food Res. Technol. 221(1–2): 1-8 CrossRef, ISI.

361. Nordgård L, Brusetti L, Raddadi N, Traavik T, Averhoff B, Nielsen KM. An investigation of horizontal transfer of feed introduced DNA to the aerobic microbiota of the gastrointestinal tract of rats. BMC Res Notes. 2012 Apr 1;5:170. doi: 10.1186/1756-0500-5-170.

362. Nordlee JA, Taylor SL, Townsend JA, Thomas LA, Bush RK. Identification of a Brazil-nut allergen in transgenic soybeans. N Engl J Med. 1996 Mar 14;334(11):688-92.

363. Oberdoerfer RB, Shillito RD, de Beuckeleer M, Mitten DH. (2005) Rice (Oryza sativa L.) containing the bar gene is compositionally equivalent to the nontransgenic counterpart. J Agric Food Chem. 2005 Mar 9;53(5):1457-65.

364. Obert JC, Ridley WP, Schneider RW, Riordan SG, Nemeth MA, Trujillo WA, Breeze ML, Sorbet R, Astwood JD. (2004) The composition of grain and forage from glyphosate tolerant wheat MON 71800 is equivalent to that of conventional wheat (Triticum aestivum L.). J Agric Food Chem. 2004 Mar 10;52(5):1375-84.

365. Okunuki H, Teshima R, Shigeta T, Sakushima J, Akiyama H, Goda Y, Toyoda M, Sawada J. Increased digestibility of two products in genetically modified food (CP4-EPSPS and Cry1Ab) after preheating. Shokuhin Eiseigaku Zasshi. 2002; 43: 68-73.

366. Padgette, S.R., Taylor, N.B., Nida, D.L., Bailey, M.R., MacDonald, J., Holden, L.R., Fuchs, R.L. (1996). The composition of glyphosate-tolerant soybean seeds is equivalent to that of conventional soybeans. J. Nutr. 126, 702–716.

367. Palombo JD, DeMichele SJ, Liu JW, Bistrian BR, Huang YS. (2000) Comparison of growth and fatty acid metabolism in rats fed diets containing equal levels of gamma-linolenic acid from high gamma-linolenic acid canola oil or borage oil. Lipids. 35:975-81.

368. Papazova N, Ghedira R, Van Glabeke S, Bartegi A, Windels P, Taverniers I, Roldan-Ruiz I, Van Bockstaele E, Milcamps A, Van Den Eede G, Depicker A, De Loose M. Stability of the T-DNA flanking regions in transgenic Arabidopsis thaliana plants under influence of abiotic stress and cultivation practices. Plant Cell Rep. 2008 Apr;27(4):749-57.

369. Papazova N, Windels P, Depicker A, Taverniers I, Roldan-Ruiz I, Milcamps A, Van Bockstaele E, Van Den Eede G, De Loose M. Sequence stability of the T-DNA - plant junctions in tissue culture in Arabidopsis transgenic lines. Plant Cell Rep. 2006 Dec;25(12):1362-8.

370. Papst, C., H. F. Utz, A. E. Melchinger, J. Eder, T. Magg, D. Klein and M. Bohn,(2005). Mycotoxins Produced by Fusarium spp. in Isogenic Bt vs. non-Bt Maize Hybrids under European Corn Borer Pressure, Agron. J. 97:219-224 (2005).

371. Park, H.; Lee, S.; Jeong, H.; Cho, S.; Chun, H.; Back, O.; Kim, D.; Lillehoj, H. The nutrient composition of the herbicide-tolerant green pepper is equivalent to that of the conventional green pepper. Nutr. Res. (N.Y.) 2006, 26, 546−548.

372. Park, SY; Lee, SM; Lee, JH; Ko, HS; Kweon, SJ; Suh, SC; Shin, KS; Kim, JK. Compositional comparative analysis between insect-resistant rice (Oryza sativa L.) with a synthetic cry1Ac gene and its non-transgenic counterpart. PLANT BIOTECHNOLOGY REPORTS Volume: 6 Issue: 1 Pages: 29-37 DOI: 10.1007/s11816-011-0192-1 Published: JAN 2012

373. Paul V, Guertler P, Wiedemann S, Meyer HH.(2010) Degradation of Cry1Ab protein from genetically modified maize (MON810) in relation to total dietary feed proteins in dairy cow digestion. Transgenic Res. 2010 Aug;19(4):683-9. Epub 2009 Nov 4.

374. Paul V, Steinke K, Meyer HH. Development and validation of a sensitive enzyme immunoassay for surveillance of Cry1Ab toxin in bovine blood plasma of cows fed Bt-maize (MON810). Anal Chim Acta. 2008 Jan 21;607(1):106-13.

375. Peng D, Chen S, Ruan L, Li L, Yu Z, Sun M. (2007) Safety assessment of transgenic Bacillus thuringiensis with VIP insecticidal protein gene by feeding studies. Food Chem Toxicol. 2007 Jul;45(7):1179-85. Epub 2007 Jan 11.

376. Peng D, Zhou C, Chen S, Ruan L, Yu Z, Sun M. Toxicological safety assessment of genetically modified Bacillus thuringiensis with additional N-acyl homoserine lactonase gene. Environ Toxicol Chem. 2008 Jan;27(1):188-95.

377. Peterson RK, Shama LM. A comparative risk assessment of genetically engineered, mutagenic, and conventional wheat production systems. Transgenic Res. 2005 Dec;14(6):859-75.

378. Peterson, B.A., Y. Hyun, E. P. Stanisiewski, G. F. Hartnell, and M. Ellis. 2008. Performance of growing-finishing pigs fed diets containing Roundup Ready wheat (MON 71800), a non-transgenic genetically similar wheat, or conventional wheat varieties. Animal 2 (11):1602-1609.

379. Petit L, Baraige F, Bertheau Y, Brunschwig P, Diolez A, Duhem K, Duplan MN, Fach P, Kobilinsky A, Lamart S, Schattner A, Martin P. Detection of genetically modified corn (Bt176) in spiked cow blood samples by polymerase chain reaction and immunoassay methods. J AOAC Int. 2005 Mar-Apr;88(2):654-64.

380. Phipps RH, Deaville ER, Maddison BC. 2003. Detection of transgenic and endogenous plant DNA in rumen fluid, duodenal digesta, milk, blood, and faeces of lactating dairy cows. J. Dairy Sci. 86(12): 4070-4078 CrossRef, Medline, ISI.

381. Phipps RH, Humphries DJ (2002) Detection of transgenic DNA in milk from cows receiving herbicide tolerant (CP4EPSPS) soyabean meal. Livestock Production Science 74:269-273.

382. Phipps RH, Jones AK, Tingey AP, Abeyasekera S (2005) Effect of corn silage from an herbicide-tolerant genetically modified variety on milk production and absence of transgenic DNA in milk. J Dairy Sci. (2005) Aug;88(8):2870-8.

383. Piccioni F, Capitani D, Zolla L, Mannina L (2009) NMR Metabolic Profiling of Transgenic Maize with the Cry1A(b) Gene. J Agric Food Chem 57: 6041–6049

384. Podevin N, du Jardin P. Possible consequences of the overlap between the CaMV 35S promoter regions in plant transformation vectors used and the viral gene VI in transgenic plants. GM Crops Food. 2012 Oct-Dec;3(4):296-300. doi: 10.4161/gmcr.21406. Epub 2012 Aug 15.

385. Poerschmann J, Rauschen S, Langer U, Augustin J, Górecki T. Fatty acid patterns of genetically modified Cry3Bb1 expressing Bt-maize MON88017 and its near-isogenic line. J Agric Food Chem. 2009 Jan 14;57(1):127-32.

386. Poulsen, M., Kroghsbo, S., Schrøder, M., Wilcks, A., Jacobsen, H., Miller, A., Frenzel, T., Danier, J., Rychlik, M., Shu, Q., Emami, K., Sudhakar, D., Gatehouse, A., Engel, K.-H., Knudsen, I., 2007b. A 90- day safety study in Wistar rats fed genetically modified rice expressing snowdrop lectin Galanthus nivalis (GNA). Food Chem. Toxicol. 45, 350–363.

387. Poulsen, M., Schrøder, M., Wilcks, A., Kroghsbo, S., Lindecrona, R.H., Miller, A., Frenzel, T., Danier, J., Rychlik, M., Shu, Q., Emami, K., Taylor, M., Gatehouse, A., Engel, K.-H., Knudsen, I., 2007a. Safety testing of GM-rice expressing PHA-E lectin using a new animal test design. Food Chem. Toxicol. 45, 364–377.

388. Powell M, Wheatley AO, Omoruyi F, Asemota HN, Williams NP, Tennant PF. 2009. Comparative effects of dietary administered transgenic and conventional papaya on selected intestinal parameters in rat models. Transgenic research 19(3):511-8.

389. Prescott VE, Campbell PM, Moore A, Mattes J, Rothenberg ME, Foster PS, Higgins TJ, Hogan SP. Transgenic expression of bean alpha-amylase inhibitor in peas results in altered structure and immunogenicity. J Agric Food Chem. 2005 Nov 16;53(23):9023-30.

390. Pusztai, A., Bardocz, G. G., Alonso, R., Chrispeels, M. J., Schroeder,H. E., Tabe, L. M., and Higgins, T. J. (1999). Expression of the insecticidal bean alphaamylase inhibitor transgene has minimal detrimental effect on the nutritional value of peas fed to rats at 30% of the diet. J. Nutr., 129:1597–1603.

391. Qi X, He X, Luo Y, Li S, Zou S, Cao S, Tang M, Delaney B, Xu W, Huang K. Subchronic feeding study of stacked trait genetically-modified soybean (3Ø5423 × 40-3-2) in Sprague-Dawley rats. Food Chem Toxicol. 2012; 50(9):3256-63.

392. Qin F, Kang L, Guo L, Lin J, Song J, Zhao Y. Composition of transgenic soybean seeds with higher γ-linolenic acid content is equivalent to that of conventional control. J Agric Food Chem. 2012; 60(9):2200-4.

393. Qiu X, Apgar GA, Griswold KE, Beagle JM,Martin MP, Jones KL, IqbalMJ, Lightfoot DA. 2004. Digestive fate of a gdhA gene from a genetically modified corn fed to growing pigs. J Anim Sci 82(Suppl. 1):329 (Abstr W66).

394. Quemada, H.; Zarka, K.; Pett, W.; Bothma, G.; Felcher, K.; Mirendil, H.; Koch, M.; Brink, J.; Douches, D. Safety evaluations of the Cry1Ia1 protein found in the transgenic potato 'SpuntaG2'. J. Am. Soc. Hortic. Sci. 2010, 135 (4), 325−332.

395. Ramessar, Koreen, Ariadna Peremarti Sonia Go´mez-Galera Shaista Naqvi Marian Moralejo Pilar Mun˜oz Teresa Capell Paul Christou (2007) Biosafety and risk assessment

framework for selectable marker genes in transgenic crop plants: a case of the science not supporting the politics, Transgenic Res (2007) 16:261–280.

396. Randhawa GJ, Singh M, Grover M. Bioinformatic analysis for allergenicity assessment of Bacillus thuringiensis Cry proteins expressed in insect-resistant food crops. Food Chem Toxicol. 2011; 49 ; 356-62.

397. Rang A, Linke B and Jansen B (2005) Detection of RNA variants transcribed from the transgene in Roundup Ready soybean, European Food Research and Technology Volume 220, Numbers 3-4 / March, 2005, pages 438-443

398. Ravindran, V., L.M. Tabe, L. Molvig, T.J.V. Higgins, and W.L. Bryden. Online: 2002. Nutritional evaluation of transgenic high-methionine lupins (Lupinus angustifolius) with broiler chickens. J.Sci. Food Agri . 82:280-285.

399. Řehout, V., J. Kadlec1, J. Čítek, E. Hradecká, L. Hanusová, B. Hosnedlová, and F. Lád. 2009. The influence of genetically modified Bt maize MON 810 in feed mixtures on slaughter, haematological and biochemical indices of broiler chickens. J. Anim and Feed Sci.18:490-498.

400. Reichert M, Kozaczynski W, Karpinska TA, Bocian L, Jasik A, Kycko A, Swiatkiewicz M, Swiatkiewicz S, Furgal-Dierzuk, I, Arczewska-Wlosek A, Strzetelski J, Kwiatek K. Histopathology of internal organs of farm animals fed genetically modified corn and soybean meal. BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY 2012; 56(4):617-622.

401. Reuter T, Aulrich K (2003) Investigations on genetically modified maize (Bt-maize) in pig nutrition: fate of feed-ingested foreign DNA in pig bodies. European Food Research and Technology 216:185-192.

402. Reuter T, Aulrich K, Berk A (2002) Investigations on genetically modified maize (Bt-maize) in pig nutrition: Fattening performance and slaughtering results. Archives of Animal Nutrition-Archiv fur Tierernahrung 56:319-326.

403. Reuter T, Aulrich K, Berk A, Flachowsky G (2002) Investigations on genetically modified maize (Bt-maize) in pig nutrition: Chemical composition and nutritional evaluation. Archives of Animal Nutrition-Archiv fur Tierernahrung 56:23-31.

404. Rhee, G.S., Cho, D.H., Won, Y.H., Seok, J.H., Kim, S.S., Kwack, S.J., Lee, R.D., Chae, S.Y., Kim, J.W., Lee, B.M., Park, K.L., Choi, K.S., 2005. Multigeneration reproductive and developmental toxicity study of bar gene inserted into genetically modified potato on rats. J. Toxicol. Environ. Health A 68, 2263–2276.

405. Richards, H. A., Han, C. T., Hopkins, R. G., Failla, M. L., Ward, W. W., and Stewart, C. N. Jr. (2003). Safety assessment of recombinant green fluorescent protein orally administered to weaned rats. J. Nutr., 133:1909–1912.

406. Ricroch, A. E. Assessment of GE food safety using "-omics" techniques and long-term animal feeding studies. New Biotechnol. 2012, doi.org/10.1016/j.nbt.2012.12.001, (0).

407. Ricroch, A., Bergé, J.B., Kuntz, M., 2010. Is the German suspension of MON810 maize cultivation scientifically justified? Trans. Res. 19, 1–12.

408. Ricroch, Agnès E., Jean B. Bergé and Marcel Kuntz (2011) Evaluation of genetically engineered crops using transcriptomic, proteomic and metabolomic profiling techniques. Plant Physiol. 2011 Apr;155(4):1752-61.

409. Ridley WP, Harrigan GG, Breeze ML, Nemeth MA, Sidhu RS, Glenn KC. Evaluation of compositional equivalence for multitrait biotechnology crops. J Agric Food Chem. 2011 Jun 8;59(11):5865-76.

410. Ridley WP, Sidhu RS, Pyla PD, Nemeth MA, Breeze ML, Astwood JD (2002) Comparison of the nutritional profile of glyphosate-tolerant corn event NK603 with that of conventional corn (Zea mays L.). Journal of Agricultural and Food Chemistry 50:7235-7243

411. Rizzi, A., L. Brusetti, S. Arioli, K.M. Nielsen, I. Tamagnini, A. Tanburini, C. Sorlini, and D. Daffonchio. 2008. Detection of feed-derived maize DNA in goat milk and evaluation of the potential of horizontal transfer to bacteria. Eur. Food Res. Technol. 227:1699-1709.

412. Roberts, M.; Minott, D. A.; Tennant, P. F.; Jackson, J. C. Assessment of compositional changes during ripening of transgenic papaya modified for protection against papaya ringspot virus. J. Sci. Food Agric. 2008, 88 (11), 1911−1920.

413. Rogan, G.J., Bookout, J.T., Duncan, D.R., Fuchs, R.L., Lavrik, P.B., Love, S.L., Mueth, M., Olson, T., Owens, E.D., Raymond, P.J., Zalewski, J. (2000). Compositional analysis of tubers from insect andvirus resistant potato plants. J. Agric. Food Chem. 48, 5936–5945.

414. Rosati A, Bogani P, Santarlasci A, Buiatti M. (2008). Characterisation of 3' transgene insertion site and derived mRNAs in MON810 YieldGard® maize. Plant Mol Biol. 2008 Jun;67(3):271-81.

415. Rossi F, Morlacchini M, Fusconi G, Pietri A, Mazza R, Piva G (2005) Effect of Bt corn on broiler growth performance and fate of feed-derived DNA in the digestive tract. Poultry Science 84:1022-1030.

416. Rossi F, Morlacchini M, Fusconi G, Pietri A, Piva G. 2011. Effect of insertion of Bt gene in corn and different fumonisin content on growth performance of weaned piglets. Italian Journal of Animal Science 10(2):95-100.

417. Rossi F, Moschini M, Fiorentini L, Masoero F, Piva G (2003) Analytical composition and rumen degradability of isogenic and transgenic corn varieties. Journal of the Science of Food and Agriculture 83:1337-1341.

418. Rouquié D, Capt A, Eby WH, Sekar V, Hérouet-Guicheney C. (2010) Investigation of endogenous soybean food allergens by using a 2-dimensional gel electrophoresis approach. Regul Toxicol Pharmacol. 2010 Dec;58(3 Suppl):S47-53.

419. Ruebelt MC, Leimgruber NK, Lipp M, Reynolds TL, Nemeth MA, Astwood JD, Engel KH, Jany KD. (2006). Application of two-dimensional gel electrophoresis to interrogate alterations in the proteome of genetically modified crops. 1. Assessing analytical validation. J Agric Food Chem. 2006 Mar 22;54(6):2154-61.

420. Ruebelt MC, Lipp M, Reynolds TL, Astwood JD, Engel KH, Jany KD.(2006) Application of two-dimensional gel electrophoresis to interrogate alterations in the proteome of genetically modified crops. 2. Assessing natural variability. J Agric Food Chem. 2006 Mar 22;54(6):2162-8.

421. Ruebelt MC, Lipp M, Reynolds TL, Schmuke JJ, Astwood JD, DellaPenna D, Engel KH, Jany KD. (2006) Application of two-dimensional gel electrophoresis to interrogate alterations in the proteome of gentically modified crops. 3. Assessing unintended effects. J Agric Food Chem. 2006 Mar 22;54(6):2169-77.

422. Sagstad A, Sanden M, Haugland Ø, Hansen AC, Olsvik PA, Hemre GI.(2007) Evaluation of stress- and immune-response biomarkers in Atlantic salmon, Salmo salar L., fed different levels of genetically modified maize (Bt maize), compared with its near-isogenic parental line and a commercial suprex maize. J Fish Dis. 2007 Apr;30(4):201-12.

423. Sagstad A, Sanden M, Krogdahl Å, Bakke-McKellep AM, Frøystad M, Hemre G-I. 2008. Organs development, gene expression and health of Atlantic salmon (Salmo salar L.) fed genetically modified soybeans compared to the near-isogenic non-modified parental line. Aquacult. Nutr. 14(6): 556-572 CrossRef.

424. E. H. Chowdhury, H. Kuribara, A. Hino, P. Sultana, O. Mikami, N. Shimada, K. S. Guruge, Saito M and Y. Nakajima. Detection of corn intrinsic and recombinant DNA fragments and Cry1Ab protein in the gastrointestinal contents of pigs fed genetically modified corn Bt11 J Anim Sci, 2003; 81: 2546-2551.

425. Sakamoto Y, Tada Y, Fukumori N, Tayama K, Ando H, Takahashi H, Kubo Y, Nagasawa A, Yano N, Yuzawa K, Ogata A.A (2008) 104-week feeding study of genetically modified soybeans in F344 rats. Shokuhin Eiseigaku Zasshi. 49(4):272-82.

426. Sakamoto, Y; Tada, Y; Fukumori, N; Tayama, K; Ando, H; Takahashi, H; Kubo, Y; Nagasawa, A; Yano, N; Yuzawa, K; Ogata, A; Kamimura, H (2007) A 52-week feeding study of genetically modified soybeans in F344 rats Journal of the Food Hygeine Society of Japan, 48 (3): 41-50 JUN 2007

427. Saker MM, Mohamed AA, Aly AA (2011) Comparative analysis of transformed potato microtubers and its non-transformed counterpart using some biochemical analysis

along with inter simple sequence repeat (ISSR) marker. African Journal of Biotechnology Vol. 10(34), pp. 6401-6410.

428. Sanden M, Berntssen MHG, Krogdahl Å, Hemre GI, Bakke-McKellep AM. 2005. An examination of the intestinal tract of Atlantic salmon, Salmo salar L., parr fed different varieties of soy and maize. J. Fish Dis. 28(6): 317-330 CrossRef, Medline, ISI.

429. Sanden M, Bruce IJ, Rahman MA, Hemre GI (2004) The fate of transgenic sequences present in genetically modified plant products in fish feed, investigating the survival of GM soybean DNA fragments during feeding trials in Atlantic salmon, Salmo salar L. Aquaculture 237:391-405

430. Sanden M, Johannessen I, Berdal K, Sissener N, Hemre G-I. (2011). Uptake and clearance of dietary DNA in the intestine of Atlantic salmon (Salmo salar L.) fed conventional or genetically modified soybeans. Aquaculture Nutrition, 17: e750–e759.

431. Sanden M, Krogdahl A, Bakke-Mckellep AM, Buddington RK, Hemre GI. 2006. Growth performance and organ development in Atlantic salmon, Salmo salar L. parr fed genetically modified (GM) soybean and maize. Aquacult. Nutr. 12(1): 1-14 CrossRef, ISI.

432. Sartowska K, Korwin-Kossakowska A, Sender G, Jozwik A, Prokopiuk M. The impact of genetically modified plants in the diet of Japanese quails on performance traits and the nutritional value of meat and eggs - preliminary results. ARCHIV FUR GEFLUGELKUNDE 2012; 76(2):140-144.

433. Satoh R, Nakamura R, Komatsu A, Oshima M, Teshima R. Proteomic analysis of known and candidate rice allergens between non-transgenic and transgenic plants. Regul Toxicol Pharmacol. 2011 Apr;59(3):437-44.

434. Sauve, A.; Brake, J. T. Safety evaluation of Event 5307 transgenic corn in broiler chickens. JOURNAL OF DAIRY SCIENCE Volume: 93 Supplement: 1 Pages: 96-96 Published: 2010

435. Saxena D, Stotzky G. 2001. Bt corn has a higher lignin content than non-Bt corn. Am. J. Bot. 88(9): 1704-1706

436. Scheideler SE, Hileman RE, Weber T, Robeson L, Hartnell GF. The in vivo digestive fate of the Cry3Bb1 protein in laying hens fed diets containing MON 863 corn.(2008) Poult Sci. 2008 Jun;87(6):1089-97.

437. Scheideler, S.E., D. Rice, B. Smith, G. Dana, and T. Sauber. 2008. Evaluation of nutritional equivalency of corn grain from DAS-Ø15Ø7-1 (Herculex I) in the diets of laying hens. J. Appl. Poult. Res. 17(3):383-389.

438. Scheideler, S.E., P Weber, K. Sok, R.E. Hileman, and G.F. Hartnell. 2006. Fate of Cry3Bb1 protein in laying hens fed diets containing MON 863. Poult. Sci. 85(Suppl. 1): 8

439. Schnell J, Labbé H, Kovinich N, Manabe Y, Miki B. Comparability of imazapyr-resistant Arabidopsis created by transgenesis and mutagenesis. Transgenic Res. 2012 Dec; 21(6):1255-64.

440. Scholtz ND, Halle I, Dänicke S, Hartmann G, Zur B, Sauerwein H. Effects of an active immunization on the immune response of laying Japanese quail (Coturnix coturnix japonica) fed with or without genetically modified Bacillus thuringiensis-maize. Poult Sci. 2010 Jun;89(6):1122-8. doi: 10.3382/ps.2010-00678.

441. Schrøder, M., Poulsen, M., Wilcks, A., Kroghsbo, S., Miller, A., Frenzel, T., Danier, J., Rychlik, M., Emami, K., Gatehouse, A., Shu, Q., Engel,K.-H., Altosaar, I., Knudsen, I., 2007. A 90-day safety study of genetically modified rice expressing Cry1Ab protein (Bacillus thuringiensis toxin) in Wistar rats. Food Chem. Toxicol. 45, 339–349.

442. Schubbert, R., Hohlweg, U., Renz, D., Doerfler, W. (1998). On the fate of orally ingested foreign DNA in mice: chromosomal association and placental transmission in the fetus. Mol. Gen. Genet. 259, 569–576.

443. Schubbert, R., Lettmann, C., Doerfler, W., (1994). Ingested foreign (phage M13) DNA survives transiently in the gastrointestinal tract and enters the blood stream of mice. Mol. Gen. Genet. 242, 495–504.

444. Schubbert, R., Renz, D., Schmitz, B., Doerfler, W. (1997). Foreign (M13) DNA ingested by mice reaches peripheral leukocytes, spleen and liver via intestinal wall mucosa and can be covalently linked to mouse DNA. Proc. Natl. Acad. Sci. USA 94, 961–966. See GMO Pundit post on DNA and gene movement between species.

445. Séralini GE, Clair E, Mesnage R, Gress S, Defarge N, Malatesta M, Hennequin D, de Vendômois JS. Long term toxicity of a Roundup herbicide and a Roundup-tolerant genetically modified maize. Food Chem Toxicol. 2012 Nov;50(11):4221-31.

446. Séralini, G-E, Cellier, D and de Vendomois, JS (2007) New Analysis of a Rat Feeding Study with a Genetically Modified Maize Reveals Signs of Hepatorenal Toxicity. Arch Environ Contam Toxicol. 2007 May;52(4):596-602.

447. Sharma P, Singh AK, Singh BP, Gaur SN, Arora N. Allergenicity assessment of osmotin, a pathogenesis-related protein, used for transgenic crops. J Agric Food Chem. 2011;59(18):9990-5.

448. Sharma R, Damgaard D, Alexander TW, Dugan ME, Aalhus JL, et al. (2006) Detection of transgenic and endogenous plant DNA in digesta and tissues of sheep and pigs fed Roundup Ready canola meal. J Agric Food Chem 54: 1699–1709.

449. Sharma, R., T.W. Alexander, S.J. John, R.J. Forster, and T.A. McAllister. 2004. Relative stability of transgene DNA fragments from GM rapeseed in mixed ruminal cultures. British Journal of Nutrition 91(5):673-681.

450. Shepherd LV, McNicol JW, Razzo R, Taylor MA, Davies HV. Assessing the potential for unintended effects in genetically modified potatoes perturbed in metabolic and developmental processes. Targeted analysis of key nutrients and anti-nutrients.Transgenic Res. 2006 Aug;15(4):409-25.

451. Shewry, P.R., Powers, S., Field, J.M., Fido, R.J., Jones, H.D., Arnold, G.M., West, J., Lazzeri, P.A., Barcelo, P., Barro, F., Tatham, A.S., Bekes, F., Butow, B., & Darlington, H. (2006) Comparative field performance over 3 years and two sites of transgenic wheat lines expressing HMW subunit transgenes. Theoretical and Applied Genetics, 113, 1, pp 128-136

452. Shim, S., Choi, M., Park, S., Gu, Y., Oh, J., Kim, S., Kim, H., Kim, G., Lee, Y. (2009). Assessing the digestibility of genetically modified soybean; physiologically based in vitro digestion and fermentation model. Food Research International, 43:40-45.

453. Shimada N, Kim YS, Miyamoto K, Yoshioka M, Murata H. Effects of Bacillus thuringiensis Cry1Ab toxin on mammalian cells. J Vet Med Sci. 2003 Feb;65(2):187-91.

454. Shimada N, Miyamoto K, Kanda K, Murata H. Bacillus thuringiensis insecticidal Cry1ab toxin does not affect the membrane integrity of the mammalian intestinal epithelial cells: An in vitro study. In Vitro Cell Dev Biol Anim. 2006 Jan-Feb;42(1-2):45-9.

455. Shimada N, Miyamoto K, Kanda K, Murata H. Binding of Cry1Ab toxin, a Bacillus thuringiensis insecticidal toxin, to proteins of the bovine intestinal epithelial cell: An in vitro study. APPLIED ENTOMOLOGY AND ZOOLOGY Volume: 41 Issue: 2 Pages: 295-301 DOI: 10.1303/aez.2006.295 Published: MAY 2006

456. Shimada N, Murata H, Mikami O, Yoshioka M, Guruge KS, Yamanaka N, Nakajima Y, Miyazaki S.(2006)Effects of feeding calves genetically modified corn bt11: a clinico-biochemical study.J Vet Med Sci. 2006 Oct;68(10):1113-5.

457. Shirai N, Momma K, Ozawa S, Hashimoto W, Kito M, Utsumi S, Murata K. Safety assessment of genetically engineered food: detection and monitoring of glyphosate-tolerant soybeans. Biosci Biotechnol Biochem. 1998 Jul;62(7):1461-4.

458. Shireen KF, Pace RD, Egnin M, Prakash CS. Bioavailability of calcium from sweetpotato and soy flour supplemented diets in hamsters. J Environ Sci Health B. 2002 Nov;37(6):637-45.

459. Shireen KF, Pace RD. Nutritional assessment of transgenic sweetpotato on body weight, lipid, and protein status in hamsters. J Environ Sci Health B. 2002 Jan;37(1):93-101.

460. Sidhu RS, Hammond BG, Fuchs RL, Mutz JN, Holden LR, George B, Olson T. (2000) Glyphosate-tolerant corn: the composition and feeding value of grain from glyphosate-tolerant corn is equivalent to that of conventional corn (Zea mays L.). J Agric Food Chem. 48:2305-12.

461. Silvanovich A, Margaret A. Nemeth, Ping Song, Rod Herman, Laura Tagliani, and Gary A. Bannon. 2006. The Value of Short Amino Acid Sequence Matches for Prediction of Protein Allergenicity, Toxicological Sciences 90:252–258

462. Sinagawa-García SR, Rascón-Cruz Q, Valdez-Ortiz A, Medina-Godoy S, Escobar-Gutiérrez A, Paredes-López O.(2004) Safety assessment by in vitro digestibility and allergenicity of genetically modified maize with an amaranth 11S globulin. J Agric Food Chem. 2004 May 5;52(9):2709-14.

463. Singh AK, Mehta AK, Sridhara S, Gaur SN, Singh BP, Sarma PU, Arora N. Allergenicity assessment of transgenic mustard (Brassica juncea) expressing bacterial codA gene. Allergy. 2006;61(4):491-7.

464. Singh AK, Praveen S, Singh BP, Varma A, Arora N (2009). Safety assessment of leaf curl virus resistant tomato developed using viral derived sequences. Transgenic Res. 2009 Dec;18(6):877-87. Epub 2009 May 5.

465. Singh AK, Singh BP, Prasad GB, Gaur SN, Arora N. Safety assessment of bacterial choline oxidase protein introduced in transgenic crops for tolerance against abiotic stress. J Agric Food Chem. 2008;56(24):12099-104.

466. Singh M, Tiwari DP, Kumar A, Kumar MR. 2003. Effect of feeding transgenic cottonseed vis-a`-vis non-transgenic cottonseed on haematobiochemical constituents in lactating murrah buffaloes. Asian-Austr J Anim Sci 16:1732 – 1737.

467. Singhal K., S. Kumar AK Tyagi, Y. S. Rajput. 2006. Evaluation of Bt cottonseed as a protein supplement in the ration of lactating dairy cows. Indian Journal of Animal Sciences 76:532-537.

468. Singhal KK, Tyagi AK, Rajput YS, Singh M, Kaur H, Perez T, Hartnell GF. Feed intake, milk production and composition of crossbred cows fed with insect-protected Bollgard II® cottonseed containing Cry1Ac and Cry2Ab proteins. Animal. 2011 Sep;5(11):1769-73

469. Sissener NH, Bakke AM, Gu J, Penn MH, Eie E, Krogdahl Å, Sanden M, Hemre G-I. 2009. An assessment of organ and intestinal histomorphology and cellular stress response in Atlantic salmon (Salmo salar L.) fed genetically modified Roundup Ready® soy. Aquaculture 298: 101-110 b CrossRef, ISI.

470. Sissener NH, Hemre GI, Lall SP, Sagstad A, Petersen K, Williams J, Rohloff J, Sanden M. Are apparent negative effects of feeding GM MON810 maize to Atlantic salmon, Salmo salar, caused by confounding factors? Br J Nutr. 2011 Jul;106(1):42-56.

471. Sissener NH, Johannessen LE, Hevrøy EM, Wiik-Nielsen CR, Berdal KG, Nordgreen A, Hemre G-I. 2010. Zebrafish (Danio rerio) as a model for investigating the safety of GM feed ingredients (soya and maize); performance, stress response and uptake of dietary DNA sequences. Br. J. Nutr. 103: 3-15.

472. Sissener NH, Martin SA, Cash P, Hevrøy EM, Sanden M, Hemre GI. Proteomic profiling of liver from Atlantic salmon (Salmo salar) fed genetically modified soy compared to the near-isogenic non-GM line. Mar Biotechnol (NY). 2010 Jun;12(3):273-81.

473. Sissener NH, Sanden M, Bakke AM, Kroghdahl Å, Hemre GI. 2009. A long term trial with Atlantic salmon (Salmo salar L.) fed genetically modified soy; focusing general health and performance before, during and after the parr–smolt transformation. Aquaculture 294(1–2): 108-117 a CrossRef, ISI.

474. Sjoblad, R.D., McClintock, J.T., Engler, R., 1992. Toxicological considerations for protein components of biological pesticide products. Regulatory Toxicology and Pharmacology 15, 3–9.

475. Sobolev AP, Testone G, Santoro F, Nicolodi C, Iannelli MA, Amato ME, Ianniello A, Brosio E, Giannino D, Mannina L. Quality traits of conventional and transgenic lettuce (Lactuca sativa L.) at harvesting by NMR metabolic profiling. J Agric Food Chem. 2010 Jun 9;58(11):6928-36.

476. Soria-Guerra RE, Rosales-Mendoza S, Moreno-Fierros L, López-Revilla R, Alpuche-Solís AG. Oral immunogenicity of tomato-derived sDPT polypeptide containing Corynebacterium diphtheriae, Bordetella pertussis and Clostridium tetani exotoxin epitopes. Plant Cell Rep. 2011 Mar;30(3):417-24. doi: 10.1007/s00299-010-0973-y. Epub 2010 Dec 25.

477. Spencer JD, Allee GL, Sauber TE. (2000) Growing-finishing performance and carcass characteristics of pigs fed normal and genetically modified low-phytate corn. J Anim Sci. 78:1529-36.

478. Spencer, J. D., Allee, G. L., and Sauber,T.E. (2000b). Phosphorus bioavailability and digestibility of normal and genetically modified low-phytate corn for pigs. J. Anim. Sci., 78:675–681.

479. Stadnik, Joanna; Karwowska, Malgorzata; Dolatowski, Zbigniew Jozef; et al. Effect of genetically modified, insect resistant corn (mon 810) and glyphosate tolerant soybean meal (roundup ready) on physico-chemical properties of broilers' breast and thigh

muscles. BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY Volume: 55 Issue: 3 Pages: 541-546 Published: 2011

480. Stadnik, Joanna; Karwowska, Malgorzata; Dolatowski, Zbigniew Jozef; et al. Effect of genetically modified feeds on physico-chemical properties of pork. ANNALS OF ANIMAL SCIENCE Volume: 11 Issue: 4 Pages: 597-606 Published: 2011

481. Stagg NJ, Thomas J, Herman RA, Juberg DR. 2012. Acute and 28-day repeated dose toxicology studies in mice with aryloxyalkanoate dioxygenase (AAD-1) protein expressed in 2,4-D tolerant DAS-40278-9 maize. Regul Toxicol Pharmacol. 62(2):363-70.

482. Stanford K, Aalhus JL, Dugan MER, Wallins GL, Sharma R, McAllister TA. 2003. Effects of feeding transgenic canola on apparent digestibility, growth performance and carcass characteristics of lambs. Can J Anim Sci 83:299-305.

483. Stein HH, Rice DW, Smith BL, Hinds MA, Sauber TE, Pedersen C, Wulf DM, Peters DN. Evaluation of corn grain with the genetically modified input trait DAS-59122-7 fed to growing-finishing pigs. J Anim Sci. 2009 Apr;87(4):1254-60.

484. Stein HH, Sauber T, Rice D, Hinds M, Peters D, Dana G, Hunst P. 2004. Comparison of corn grain from biotech and non-biotech counterparts for grow-finish pig performance. J Anim Sci 82(Suppl. 1):328-329.

485. Steinke K, Guertler P, Paul V, Wiedemann S, Ettle T, Albrecht C, Meyer HH, Spiekers H, Schwarz FJ. (2010) Effects of long-term feeding of genetically modified corn (event MON810) on the performance of lactating dairy cows. J Anim Physiol Anim Nutr (Berl). 2010 Oct;94(5):e185-93.

486. Sten, E., Skov, P.S., Andersen, S.B., Torp, A.M., Olesen, A., Bindslev-Jensen, U., Poulsen, L.K., Bindslev-Jensen, C., 2004. A comparative study of the allergenic potency of wild-type and glyphosate-tolerant gene-modified soybean cultivars. APMIS 112, 21–28.

487. Stoykova P, Radkova M, Stoeva-Popova P, Atanasov N, Chassovnikarova T, Wang XZ, Iantcheva A, Vlahova M, Atanassov A. 2011. Expression of the human acidic fibroblast growth factor in transgenic tomato and safety assessment of transgenic lines. BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT 25(1):2187-2196.

488. Stumpff F, Bondzio A, Einspanier R, Martens H. Effects of the Bacillus thuringiensis toxin Cry1Ab on membrane currents of isolated cells of the ruminal epithelium. J Membr Biol. 2007 Oct;219(1-3):37-47.

489. Suharman I, Satoh S, Haga Y, Takeuchi T, Endo M, Hirono I, Aoki T. 2009. Utilization of genetically modified soybean meal in Nile tilapia Oreochromis niloticus diets. Fish. Sci. 75(4): 967-973 CrossRef, ISI.

490. Suharman, Indra; Satoh, Shuichi; Haga, Yutaka; et al. Suitability of genetically modified soybean meal in a dietary ingredient for common carp Cyprinus carpio. FISHERIES SCIENCE Volume: 76 Issue: 1 Pages: 111-117 DOI: 10.1007/s12562-009-0183-0 Published: JAN 2010

491. Sung HG, Min DM, Kim DK, Li DY, Kim HJ, Upadhaya SD, Ha JK. Influence of transgenic corn on the In vitro rumen microbial fermentation. ASIAN-AUSTRALASIAN JOURNAL OF ANIMAL SCIENCES 2006; 19(12):1761-1768.

492. Sunilkumar G, Campbell LM, Puckhaber L, Stipanovic RD, Rathore KS. 2006. Engineering cottonseed for use in human nutrition by tissue-specific reduction of toxic gossypol. Proc. Natl. Acad. Sci. U.S.A. 103(48): 18054-18059.

493. Swiatkiewicz S, Koreleski J, Arczewska-Wlosek A, Swiatkiewicz M, Twardowska M, Markowski J, Mazur M, Sieradzki Z. Detection of transgenic DNA from bt maize and herbicide tolerant soybean meal in tissues, eggs and digestive tract content of laying hens fed diets containing genetically modified plants Ann. Anim. Sci., Vol. 11, No. 3 (2011) 413–424

494. Swiatkiewicz, M; Hanczakowska, E; Twardowska, M; Mazur, M; Kwiatek, K; Kozaczynski, W; Swiatkiewicz, S; Sieradzki, Z. Effect of genetically modified feeds on fattening results and transfer of transgenic dna to swine tissues. BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY Volume: 55 Issue: 1 Pages: 121-125 Published: 2011

495. Swiatkiewicz, Sylwester; Swiatkiewicz, Malgorzata; Koreleski, Jerzy; et al. Nutritional efficiency of genetically-modified insect resistant corn (mon 810) and glyphosate-tolerant soybean meal (roundup ready) for broilers. BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY Volume: 54 Issue: 1 Pages: 43-48 Published: 2010

496. Swiatkiewicz, Sylwester; Twardowska, Marta; Markowski, Jan; et al. Fate of transgenic dna from bt corn and roundup ready soybean meal in broilers fed gmo feed. BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY Volume: 54 Issue: 2 Pages: 237-242 Published: 2010

497. Tagashira N, Plader W, Filipecki M, Yin Z, Wiśniewska A, Gaj P, Szwacka M, Fiehn O, Hoshi Y, Kondo K, Malepszy S 2005. The metabolic profiles of transgenic cucumber lines vary with different chromosomal locations of the transgene. Cell Mol Biol Lett 10(4):697–710.

498. Takagi K, Teshima R, Nakajima O, Okunuki H, Sawada J. (2006). Improved ELISA method for screening human antigen-specific IgE and its application for monitoring specific IgE for novel proteins in genetically modified foods. Regul Toxicol Pharmacol. 2006 Mar;44(2):182-8.

499. Takagi, H.; Hirose, S.; Yasuda, H.; Takaiwa, F. Biochemical safety evaluation of transgenic rice seeds expressing T cell epitopes of Japanese cedar pollen allergens. J. Agric. Food Chem. 2006, 54 (26), 9901−9905.

500. Takahashi, H. Hotta, Y. Hayashi, M. Kawai-Yamada, M. Komatsu, S. Uchimiya, H.(2005) High throughput metabolome and proteome analysis of transgenic rice plants (Oryza sativa L.). Plant Biotechnol.2005, 22, 47–50.

501. Tang M, Xie T, Cheng W, Qian L, Yang S, Yang D, Cui W, Li K. 2012. A 90-day safety study of genetically modified rice expressing rhIGF-1 protein in C57BL/6J rats. Transgenic Res. 21(3):499-510.

502. Tang M, Zheng X, Cheng W, Jin E, Chen H, Yang S, Cui W, Li K. (2011) Safety assessment of sFat-1 transgenic pigs by detecting their co-habitant microbe in intestinal tract. Transgenic Res. 2011 Aug;20(4):749-58.

503. Tang X, Han F, Zhao K, Xu Y, Wu X, Wang J, Jiang L, Shi W.A 90-day dietary toxicity study of genetically modified rice T1C-1 expressing Cry1C protein in Sprague Dawley rats. PLoS One. 2012;7(12):e52507. doi: 10.1371/journal.pone.0052507. Epub 2012 Dec 27.

504. Tang, MZ; Huang, KL; Li, X; et al. Absence of effect after introducing Bacillus thuringiensis gene on nutritional composition in cottonseed. JOURNAL OF FOOD SCIENCE Volume: 71 Issue: 1 Pages: S38-S41 Published: JAN-FEB 2006

505. Taylor M, Hartnell G, Lucas D, Davis S, Nemeth M. Comparison of broiler performance and carcass parameters when fed diets containing soybean meal produced from glyphosate-tolerant (MON 89788), control, or conventional reference soybeans. Poult Sci. 2007 Dec;86(12):2608-14.

506. Taylor M, Hartnell G, Nemeth M, Lucas D, Davis S.(2007) Comparison of broiler performance when fed diets containing grain from second-generation insect-protected and glyphosate-tolerant, conventional control or commercial reference corn. Poult Sci. 2007 Sep;86(9):1972-9.

507. Taylor M, Lucas D, Nemeth M, Davis S, Hartnell G. Comparison of broiler performance and carcass parameters when fed diets containing combined trait insect-protected and glyphosate-tolerant corn (MON 89034 x NK603), control, or conventional reference corn.(2007) Poult Sci. 2007 Sep;86(9):1988-94.

508. Taylor ML, George B, Hyun Y, Nemeth MA, Karunanandaa K, Hartnell GF. 2004a. Comparison of broiler performance when fed diets containing insect-protected (MON 88017 or MON 88017 x MON 810), control, or commercial corn. Poult Sci 83(Suppl. 1):322(Abstr W39).

509. Taylor ML, Hartnell GF, Lucas DM, Nemeth MA, Davis SW. Comparison of broiler performance and carcass parameters when fed diets containing combined trait insect-protected and glyphosate-tolerant corn (MON 89034 x NK603), control, or conventional reference corn. JOURNAL OF DAIRY SCIENCE Volume: 90 Supplement: 1 Pages: 70-71 Published: 2007

510. Taylor ML, Hartnell G, Nemeth M, Karunanandaa K, George B.(2005). Comparison of broiler performance when fed diets containing corn grain with insect-protected (corn rootworm and European corn borer) and herbicide-tolerant (glyphosate) traits, control corn, or commercial reference corn.Poult Sci. 2005 Apr;84(4):587-93.

511. Taylor ML, Hartnell GF, Riordan SG, Nemeth MA, Karunanandaa K, George B, Astwood JD (2003) Comparison of broiler performance when fed diets containing grain from roundup ready (NK603), yieldgard x roundup ready (MON810 x NK603), non-transgenic control, or commercial corn. Poult Sci. 82:443-53.

512. Taylor ML, Hartnell GF, Riordan SG, Nemeth MA, Karunanandaa K, George B, Astwood JD (2003) Comparison of broiler performance when fed diets containing grain from YieldGard (MON810), YieldGard x Roundup Ready (GA21), nontransgenic control, or commercial corn. Poult Sci. 82:823-30.

513. Taylor ML, Hyun Y, Hartnell GF, Riordan SG, Nemeth MA, Karunanandaa K, George B, Astwood JD. (2003) Comparison of broiler performance when fed diets containing grain from YieldGard Rootworm (MON863), YieldGard Plus (MON810 x MON863), nontransgenic control, or commercial reference corn hybrids. Poult Sci. 82:1948-56

514. Taylor ML, Stanisiewski EP, Riordan SG, Nemeth MA, George B, Hartnell GF (2004) Comparison of broiler performance when fed diets containing roundup ready (Event RT73), nontransgenic control, or commerical canola meal (vol 83, pg 456, 2004). Poultry Science 83:1758

515. Taylor, M.L., E.P. Stanisiewski, S.G. Riordan, M.A. Nemeth, B. George, and G.F. Hartnell. 2004.Comparison of broiler performance when fed diets containing Roundup Ready (Event RT73), nontransgenic control, or commercial canola meal. Poult. Sci. 83:456-461.

516. Taylor, M.L., G. Hartnell, M. Nemeth, K. Karunanandaa, and B. George. 2005. Comparison of Broiler Performance When Fed Diets Containing Corn Grain with Insect-Protected (Corn Rootworm and European Corn Borer) and Herbicide-Tolerant (Glyphosate) Traits, Control Corn, or Commercial Reference Corn - Revisited. Poultry Science 84:1893-1899.

517. Taylor, N.B., Fuchs, R.L., MacDonald, J., Shariff, A.B., Padgette, S.R. (1999). Compositional analysis of glyphosate-tolerant soybeans treated with glyphosate. J. Agric. Food Chem. 47, 4469–4473.

518. Teshima R, Watanabe T, Okunuki H, Isuzugawa K, Akiyama H, Onodera H, Imai T, Toyoda M, Sawada J. (2002) Effect of subchronic feeding of genetically modified corn (CBH351) on immune system in BN rats and B10A mice. Shokuhin Eiseigaku Zasshi. 43:273-9.

519. Teshima, R., Akiyama, H., Okunuki, H., Sakushima, J-i., Goda, Y., Onodera, H., Sawada, J-i., Toyoda, M. (2000). Effect of GM and Non-GM soybeans on the immune system of BN rats and B10A mice. J. Food Hyg. Soc. Jpn. 41, 188–193.

520. Thigpen JE, Setchell KD, Saunders HE, Haseman JK, Grant MG, Forsythe DB. Selecting the appropriate rodent diet for endocrine disruptor research and testing studies. ILAR J. 2004;45(4):401-16.

521. Thomas K, Aalbers M, Bannon GA, Bartels M, Dearman RJ, Esdaile DJ, Fu TJ, Glatt CM, Hadfield N, Hatzos C, Hefle SL, Heylings JR, Goodman RE, Henry B, Herouet C, Holsapple M, Ladics GS, Landry TD, MacIntosh SC, Rice EA, Privalle LS, Steiner HY, Teshima R, Van Ree R, Woolhiser M, Zawodny J. A multi-laboratory evaluation of a common in vitro pepsin digestion assay protocol used in assessing the safety of novel proteins. Regul Toxicol Pharmacol. 2004 Apr;39(2):87-98.

522. Tony MA, Butschke A, Broll H, Grohmann L, Zagon J, Halle I, Danicke S, Schauzu M, Hafez HM, Flachowsky G (2003) Safety assessment of Bt 176 maize in broiler nutrition: Degradation of maize-DNA and its metabolic fate. Archives of Animal Nutrition-Archiv fur Tierernahrung 57:235-252.

523. Trabalza-Marinuccia, Massimo et. al. (2008) A three-year longitudinal study on the effects of a diet containing genetically modified Bt176 maize on the health status and performance of sheep. Livestock Science Volume 113, Issues 2-3, February 2008, Pages 178-190

524. Tripathi, M. K., Mondal, D., Somvanshi, R. and Karim, S. A. Haematology, blood biochemistry and tissue histopathology of lambs maintained on diets containing an insect controlling protein (Cry1Ac) in Bt-cottonseed. J Anim Physiol Anim Nutr (Berl). 2011 Oct;95(5):545-55.

525. Tripathi, M. K.; Mondal, D.; Raghuvansi, S. K. S.; et al. Effect of Bt-cottonseed Meal Feeding on Intake, Growth, Nutrient Utilization, Serum Cholesterol, Immunological Status, Organ Weight and Slaughtering Performance of Growing Lambs. ANIMAL NUTRITION AND FEED TECHNOLOGY Volume: 12 Issue: 2 Pages: 165-178 Published: MAY 2012

526. Tripathi, Savarni, Jon Y. Suzuki, James B. Carr, Grant T. McQuate, Stephen A. Ferreira, Richard M. Manshardt, Karen Y. Pitz, Marisa M. Wall and Dennis Gonsalves (2011). Nutritional composition of Rainbow papaya, the first commercialized transgenic fruit crop. Journal of Food Composition and Analysis Volume 24, Issue 2, March 2011, Pages 140-147.

527. Tsai CC, Lai CH, Yang CS, Lin CK, Tsen HY. Toxicological evaluation of transgenic rice flour with an Escherichia coli phytase gene appA by sub-chronic feeding study in Wistar rats. JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE Volume: 88 Issue: 3 Pages: 382-388 DOI: 10.1002/jsfa.3096 Published: FEB 2008

528. Tso P, Ding K, DeMichele S, Huang YS. Intestinal absorption and lymphatic transport of a high gamma-linolenic acid canola oil in lymph fistula Sprague-Dawley rats. J Nutr. 2002; 132(2):218-21.

529. Tudisco R, M. I. Cutrignelli, S. Calabrò, A. Guglielmelli, F. Investigation on genetically modified soybean (RoundUp Ready) in goat nutrition: DNA detection in suckling kids. ITAL.J.ANIM.SCI. VOL. 6 (SUPPL. 1), 380-382, (2007)

530. Tudisco R, V. Mastellone, M. I. Cutrignelli, P. Lombardi, F. Bovera, N. Mirabella, G. Piccolo, S. Calabro, L. Avallone and F. Infascell (2010). Fate of transgenic DNA and evaluation of metabolic effects in goats fed genetically modified soybean and in their offsprings. ANIMAL Volume: 4 Issue: 10 Pages: 1662-1671 DOI: 10.1017/S1751731110000728 Published: OCT 2010

531. Tudisco, R., Lombardi, P., Bovera, F., D'Angelo, D., Cutrignelli, M.I., Mastellone, V., Terzi, V., Avallone, L., Infascelli, F., 2006. Genetically modified soya bean in rabbit feeding: detection of DNA fragments and evaluation of metabolic effects by enzymatic analysis. Anim. Sci. 82: 193–199.

532. Turturo C, Friscina A, Gaubert S, Jacquemond M, Thompson JR, Tepfer M.(2008). Evaluation of potential risks associated with recombination in transgenic plants expressing viral sequences. J Gen Virol. 2008 Jan;89(Pt 1):327-35.

533. Tutel'ian VA, Aksiuk IN, Sorokina EIu, Aleshko-Ozhevskiĭ IuP, Gapparov MM, Zhminchenko VM, Kodentsova VM, Nikol'skaia GV. [Medical and biological assessment of genetically modified corn line MON 810 resistant to European corn borer and line GA 21 resistant to glyphosate: a chemical study]. Vopr Pitan. 2001;70(3):25-7. Russian.

534. Tutel'ian VA, Gapparov MG, Avren'eva LI, Guseva GV, Zhminchenko VM, Kravchenko LV, Pashorina VA, Saprykin VP, Seliaskin KE, Tyshko NV. (2010) [Medical and biological safety assessment of genetically modified soybean event MON 89788. Report 1. Toxicologo-hygienic examinations]. Vopr Pitan. 2010;79(3):4-12. Russian.

535. Tutel'ian VA, Gapparov MM, Avren'eva LI, Aksiuk IN, Guseva GV, Kravchenko LV, L'vova LS, Saprykin VP, Tyshko NV, Chernysheva ON (2009).[Medical and biological safety assessment of genetically modified maize strain MIR604]Vopr Pitan. 2009;78(2):24-32. Russian.

536. Tutel'ian VA, Kravchenko LV, Lashneva NV, Avren'eva LI, Guseva GV, Sorokina EIu, Chernysheva ON (1999) [Medical and biological evaluation of safety of protein

concentrate from genetically-modified soybeans. Biochemical studies] [Article in Russian]. Vopr Pitan. 68:9-12.

537. Tutel'ian VA, Kravchenko LV, Sorokina EIu, Korolev AA, Avren'eva LI, Guseva GV, Chernysheva ON, Tyshko NV. (2001) [Medical and biological assessment of the safety of genetically modified corn lines MON 810 and GA 21: a toxicological-biochemical study] [Article in Russian]. Vopr Pitan. 70:28-31.

538. Tutel'ian VA, Kravchenko LV, Sorokina EIu, Tyshko NV, Chernysheva ON, Avren'eva LI, Guseva GV. Medical-biological evaluation of genetically-modified sugar beet line 77 (chemical composition and toxicologico-biochemical studies). Vopr Pitan. 2002;71(3):24-7. Russian.

539. Tutel'ian VA, Gapparov MM, Avren'eva LI, Aksiuk IN, Guseva GV, Kravchenko LV, L'vova LS, Saprykin VP, Tyshko NV, Chernysheva ON (2008).[Medical and biological safety assessment of genetically modified maize event 88017. Report 1. Toxicologo-hygienic examinations] Vopr Pitan. 2008;77:4-12. Russian.

540. Twardowski T, Potkanski A, Pruszynski SAK (2003) A note on silage from genetically modified maize tested for biological activity. Polish Journal of Environmental Studies 12:759-764

541. Tyshko N.V., Zhminchenko V.M., Pashorina V.A., Selyaskin K.E., Saprykin V.P., Utembaeva N.T., Tutelyan V.A. (2011) Assessment of the impact of GMO of plant origin on rat progeny development in 3 generations. Vopr Pitan.;80(1):14-28.

542. Tyshko NV, Aksyuk IN, Tutel'ian VA. Safety assessment of genetically modified organisms of plant origin in the Russian Federation. Biotechnol J 2007;2:826–32.

543. Tyshko NV, Britsina MV, Gmoshinskiĭ IV, Zakharova NS, Zorin SN, Mazo VK, Ozeretskovskaia MN, Seliaskin KE. (2010) [Medical and biological safety assessment of genetically modified soybean event MON 89788. Report 2. Genotoxicologic, immunologic and allergologic examinations]. Vopr Pitan. 2010;79(3):13-7. Russian.

544. Tyshko NV, Britsina MV, Gmoshinskiĭ IV, Zhanataev AK, Zakharova NS, Zorin SN, Mazo VK, Semenov BF (2008) [Medical and biological safety assessment of genetically modified maize event MON 88017. Report 2. Genotoxicologic, immunologic and allergologic examinations] [Article in Russian] Vopr Pitan. 2008;77(5):13-7.

545. Tyshko NV, Britsina MV, Gmoshinskiĭ IV, Zhanataev AK, Zakharova NS, Zorin SN, Mazo VK, Ozeretskovskaia MN, Semenov BF. Medical and biological safety assessment of genetically modified maize event MIR604. Vopr Pitan. 2009;78(2):33-8. Russian.

546. Tyshko NV, Zhminchenko VM, Pashorina VA, Saprykin VP, Seliaskin KE, Utembaeva NT, Tutel'ian VA. [Effect of genetically modified plants on the development of rat progeny]. Gig Sanit. 2011 Nov-Dec;(6):73-7. Russian.

547. Ursin VM. 2003. Modification of plant lipids for human health: development of functional land-based omega-3 fatty acids. J. Nutr. 133: 4271-4274

548. Valenta H, Dänicke S, Flachowsky G, Böhme T. Comparative study on concentrations of deoxynivalenol and zearalenone in kernels of transgenic Bt maize hybrids and nontransgenic maize hybrids. Mycotoxin Res. 2001 Mar;17 Suppl 1:15-8. doi: 10.1007/BF03036703.

549. van den Eede G, Aarts HJ, Buhk HJ, Corthier G, Flint HJ, Hammes W, Jacobsen B, Midtvedt T, van der Vossen J, von Wright A, Wackernagel W, Wilcks A. 2004. The relevance of gene transfer to the safety of food and feed derived from genetically modified (GM) plants. Food Chem. Toxicol. 42(7): 1127-1156

550. Van den Ingh TSGAM, Krogdahl Å, Olli JJ, Hendriks HGCJM, Koninkx JGJF. 1991. Effects of soybean-containing diets on the proximal and distal intestine in Atlantic salmon (Salmo salar): a morphological study. Aquaculture 94(4): 297-305.

551. Vander Pol KJ, Erickson GE, Robbins ND, Berger LL, Wilson CB, Klopfenstein TJ, Stanisiewski EP, Hartnell GF.(2005) Effects of grazing residues or feeding corn from a corn rootworm-protected hybrid (MON 863) compared with reference hybrids on animal performance and carcass characteristics. J Anim Sci. 2005 Dec;83(12):2826-34.

552. van der Voet H, Perry JN, Amzal B, Paoletti C. A statistical assessment of differences and equivalences between genetically modified and reference plant varieties. BMC Biotechnol. 2011 Feb 16;11:15. doi: 10.1186/1472-6750-11-15.

553. Van Dijk JP, Cankar K, Scheffer SJ, Beenen HG, Shepherd LV, Stewart D, Davies HV,Wilkockson SJ, Leifert C, Gruden K, Kok EJ (2009) Transcriptome analysis of potato tubers—effects of different agricultural practices. J Agric Food Chem 57: 1612–1623.

554. Vazquez Padron, R.I., Gonzalez Cabrera, J., Garcia Tovar, C., Neri Bazan, L., Lopez Revilla, R., Hernandez, M., Morena Fierros, L., De la Riva, G.A. (2000). Cry1Ac protoxin from Bacillus thuringiensis sp. kurstaki HD73 binds to surface proteins in the mouse small intestine. Biochem. Biophys. Res. Commun. 271, 54–58.

555. Vazquez Padron, R.I., Moreno Fierros, L., Neri Bazan, L., De la Riva, G.A., Lopez Revilla, R., (1999). Intragastric and intraperitoneal administration of Cry1Ac protoxin from Bacillus thuringiensis induces systemic and mucosal antibody responses in mice. Life Sci. 64, 1897–1912.

556. Vecchio, L., Cisterna, B., Malatesta, M., Martin, T.E., Biggiogera, M., 2004. Ultrastructural analysis of testes from mice fed on genetically modified soybean. Eur. J. Histochem. 48, 448–454.

557. Venâncio VP, Silva JP, Almeida AA, Brigagão MR, Azevedo L. Conventional (MG-BR46 Conquista) and transgenic (BRS Valiosa RR) soybeans have no mutagenic effects and may protect against induced-DNA damage in vivo. Nutr Cancer. 2012;64(5):725-31.

558. Venneria E, Simone Fanasca, Giovanni Monastra, Enrico Finotti, Roberto Ambra, Elena Azzini, Alessandra Durazzo, Maria Stella Foddai, and Giuseppe Maiani (2008) Assessment of the Nutritional Values of Genetically Modified Wheat, Corn, and Tomato Crops. J Agric Food Chem. 2008 Oct 8;56(19):9206-14.

559. Verdin-Teran, SL; Vilches-Flores, A; Moreno-Fierros, L. Immunization with Cry1Ac from Bacillus Thuringiensis Increases Intestinal IgG Response and Induces the Expression of FcRn in the Intestinal Epithelium of Adult Mice. SCANDINAVIAN JOURNAL OF IMMUNOLOGY Volume: 70 Issue: 6 Pages: 596-607 Published: DEC 2009

560. Verma AK, Misra A, Subash S, Das M, Dwivedi PD. 2011. Computational allergenicity prediction of transgenic proteins expressed in genetically modified crops. Immunopharmacol Immunotoxicol. 33(3):410-22.

561. Vogler U, Rott AS, Gessler C, Dorn S (2009). Terpene-mediated parasitoid host location behavior on transgenic and classically bred apple genotypes.J Agric Food Chem. 2009 Aug 12;57(15):6630-5.

562. Vogler U, Rott AS, Gessler C, Dorn S (2010). Comparison between volatile emissions from transgenic apples and from two representative classically bred apple cultivars.Transgenic Res. 2010 Feb;19(1):77-89. Epub 2009 Jun 19.

563. von Wettstein D, Warner J, Kannangara CG (2003) Supplements of transgenic malt or grain containing (1,3-1,4)-beta-glucanase increase the nutritive value of barley-based broiler diets to that of maize. British Poultry Science 44:438-449

564. Wainwright, P.E., Huang, Y.-S., De Michele, S.J., Xing, H., Liu, J.-W., Chuang, L.-T., Biederman, J., 2003. Effects of high-c-linolenic acid canola oil compared with borage oil on reproduction, growth, and brain and behavioral development in mice. Lipids 38, 171–178.

565. Wakasa K, Hasegawa H, Nemoto H, Matsuda F, Miyazawa H, Tozawa Y, Morino K, Komatsu A, Yamada T, Terakawa T, Miyagawa H.(2006) High-level tryptophan accumulation in seeds of transgenic rice and its limited effects on agronomic traits and seed metabolite profile.J Exp Bot. 2006;57(12):3069-78. Epub 2006 Aug 14.

566. Walsh MC, Buzoianu SG, Gardiner GE, Rea MC, Gelencsér E, et al. (2011) Fate of Transgenic DNA from Orally Administered Bt MON810 Maize and Effects on Immune Response and Growth in Pigs. PLoS ONE 6(11): e27177.

567. Walsh MC, Buzoianu SG, Gardiner GE, Rea MC, O'Donovan O, Ross RP, Lawlor PG. Effects of feeding Bt MON810 maize to sows during first gestation and lactation on maternal and offspring health indicators. Br J Nutr. 2013 Mar 14;109(5):873-81.

568. Walsh MC, Buzoianu SG, Gardiner GE, Rea MC, Paul Ross R, Cassidy JP, Lawlor PG.(2012) Effects of short-term feeding of Bt MON810 maize on growth performance, organ morphology and function in pigs. Br J Nutr. 2012 Feb;107(3):364-71.

569. Walsh MC, Buzoianu SG, Rea MC, O'Donovan O, Gelencsér E, Ujhelyi G, Ross RP, Gardiner GE, Lawlor PG. 2012. Effects of feeding Bt MON810 maize to pigs for 110 days on peripheral immune response and digestive fate of the cry1Ab gene and truncated Bt toxin. PLoS One. 7(5):e36141.

570. Walsh, M.C., S.G. Buzoianu, G.E. Gardiner, M.C. Rea, R.P. Ross, and P.G. Lawlor. 2010. Short-term feeding of genetically modified Bt maize (MON810) to weanling pigs: Effects on gut microbiota, intestinal morphology and immune status. J. Anim. Sci. 88(E-Suppl. 2):495.

571. Wang C, Jiang L, Rao J, Liu Y, Yang L, Zhang D. (2010) Evaluation of Four Genes in Rice for Their Suitability As Endogenous Reference Standards in Quantitative PCR. J Agric Food Chem. 2010 Nov 24;58(22):11543-7.

572. Wang Y, Lai W, Chen J, Mei S. Toxicity of anti-herbicide gene (BAR) transgenic rice. Wei Sheng Yan Jiu. 2000 May 30;29(3):141-2. Chinese.

573. Wang Y, Xu WT, Zhao WW, Hao JR, Luo YB, Tang XG, Zhang Y, Huang KL. Comparative analysis of the proteomic and nutritional composition of transgenic rice seeds with Cry1ab/ac genes and their non-transgenic counterparts. JOURNAL OF CEREAL SCIENCE 2012; 55(2):226-233.

574. Wang, J.; Guo, L. Q.; Lin, J. F. Composition of transgenic Volvariella volvacea tolerant to cold stress is equivalent to that of conventional control. J. Agric. Food Chem. 2009, 57 (6), 2392−2396.

575. Wang, Z.H., Wang, Y., Cui, H.R., Xia, Y.W., Altosaar, I., 2002. Toxicological evaluation of transgenic rice flour with a synthetic cry1Ab gene from Bacillus thuringiensis. J. Sci. Food Agric. 82, 738–744.

576. Wehrmann A, Van Vliet A, Opsomer C, Botternan J, Schulz A. 1996. The similarities of bar and pat gene products make them equally applicable for plant engineers. Nat Biotechnol 14:1274 – 1278.

577. White, C.L., L.M. Tabe, H.Dove, J. Hamblin, P.Young, N. Phillips, R. Taylor, S. Gulati, J. Ashes, and T.J.V. Higgins. Online: 2000. Increased efficiency of wool growth and live weight gain in Merino sheep fed transgenic lupin seed containing sunflower albumin. J.Sci. Food Agric. 81:147-154.

578. Wiedemann, S., Gurtler, P., & Albrecht, C. (2007) Effect of feeding cows genetically modified maize on the bacterial community in the bovine rumen. Applied and Environmental Microbiology, 73, 24, pp 8012-8017

579. Wiedemann, S., Lutz, B., Albrecht, C., Kuehn, R.; Killermann, B., Einspanier, R., Meyer, H.H.D. (2009) Fate of genetically modified maize and conventional rapeseed, and endozoochory in wild boar (Sus scrofa). Mammalian Biology - Zeitschrift fur Saugetierkunde 2009; 74(3): 193-199.

580. Wiedemann, S., Lutz, B., Kurtz, H., Schwarz, F.J., & Albrecht, C. (2006) In situ studies on the time-dependent degradation of recombinant corn DNA and protein in the bovine rumen. Journal of Animal Science, 84, 1, pp 135-144

581. Wiik-Nielsen, C. R.; Holst-Jensen, A.; Boydler, C.; et al. Quantification of dietary DNA in tissues of Atlantic salmon (Salmo salar L.) fed genetically modified feed ingredients. AQUACULTURE NUTRITION Volume: 17 Issue: 2 Pages: E668-E674 Published: APR 2011

582. Williams GM, Kroes R, Munro IC. (2000). Safety evaluation and risk assessment of the herbicide Roundup and its active ingredient, glyphosate, for human. Regul Toxicol Pharmacol 31:117–165.

583. Williams WP, Windham GL, Buckley PM and Daves CA (2002) Aflatoxin accumulation in conventional and transgenic corn hybrids infested with southwestern corn borer (Lepidoptera: Crambidae). J Agric Urban Entomol 19(4): 227–236.

584. Windels P, Taverniers I, Depicker A, Van Bockstaele E, De Loose M (2001) Characterisation of the Roundup Ready soybean insert Eur Food Res Technol 213:107–112

585. Winnicka, A,. Sawosz, E., KlucinskiW, Kosieradzka, I., Szopa, J., Malepszy, S., and Pastuszewska. 2001. A note on the effect of feeding genetically modified potatoes on selected indices of nonspecific resistance in rats. J. Anim. Feed Sci., 10(suppl 2):13–18.

586. Xu W, Cao S, He X, Luo Y, Guo X, Yuan Y, Huang K Safety assessment of Cry1Ab/Ac fusion protein. Food Chem Toxicol. 2009; 47: 1459-65.

587. Yen, GC; Lin, HT; Cheng, YH; Lin, YJ; Chang, SC; Yeh, SD; Chan, YC; Chung, YC; Liao, JW. Food Safety Evaluation of Papaya Fruits Resistant to Papaya Ring Spot Virus. JOURNAL OF FOOD AND DRUG ANALYSIS Volume: 19 Issue: 3 Pages: 269-280 Published: SEP 2011

588. Yonemochi C, Suga K, Harada C, Hanazumi M. Evaluation [corrected] of transgenic event CBH 351 (StarLink) corn in pig. Anim Sci J. 2010 Feb;81(1):94-101. doi: 10.1111/j.1740-0929.2009.00718.x. Erratum in: Anim Sci J. 2010 Jun;81(3):402.

589. Yoshida, S. H. 2000. The safety of genetically modified soybeans: Evidence and regulation. Food and Drug Law Journal 55:193-208.

590. Yuan Y, Xu W, Luo Y, Liu H, Lu J, Su C, Huang K. Effects of genetically modified T2A-1 rice on faecal microflora of rats during 90 day supplementation. J Sci Food Agric. 2011 Aug 30;91(11):2066-72.

591. Yum HY, Lee SY, Lee KE, Sohn MH, Kim KE. Genetically modified and wild soybeans: an immunologic comparison. Allergy Asthma Proc. 2005 May-Jun;26(3):210-6.

592. Zdunczyk Z, Frejnagel S, Fornal J, Flis M, Palacios MC, Flis B, Zagorski-Ostoja W (2005) Biological response of rat fed diets with high tuber content of conventionally bred and transgenic potato resistant to necrotic strain of potato virus (PVYN) Part I. Chemical composition of tubers and nutritional value of diets. Food Control 16:761-766

593. Zdunczyk Z, Juskiewicz J, Fornal J, Mazur-Gonkowska B, Koncicki A, Flis B, Zimnoch-Guzowska E, Zagorski-Ostoja W (2005) Biological response of rat fed diets with high tuber content of conventionally bred and transgenic potato resistant to necrotic strain of potato virus (PVYN). Part II. Caecal metabolism, serum enzymes and indices of non-specific defence of rats. Food Control 16:767-772

594. Zhang ZB, Kornegay ET, Radcliffe JS, Wilson JH, Veit HP. Comparison of phytase from genetically engineered Aspergillus and canola in weanling pig diets. J Anim Sci. 2000 Nov;78(11):2868-78.

595. Zhang, Z.B., E.T. Kornegay, J.S. Radcliffe, D. M. Denbow, H.P. Veit, and C.T. Larson. 2000. Comparison of genetically engineered microbial and plant phytase for young broilers. Poultry Sci. 79:709-717.

596. Zhang, Z.B., E.T. Kornegay, J.S. Radcliffe, J.H. Wilson, and H.P. Veit. 2000. Comparison of genetically engineered microbial and plant phytase for young pigs. J. Anim. Sci. 78:2868-2878.

597. Zhou J, Zhang L, Li X, Chang YW, Gu Q, Lu X, Zhu Z, Xu GW. Metabolic profiling of transgenic rice progeny using gas chromatography-mass spectrometry: the effects of gene insertion, tissue culture and breeding. METABOLOMICS Volume: 8 Issue: 4 Pages: 529-539 DOI: 10.1007/s11306-011-0338-8 Published: AUG 2012

598. Zhou J, Berman KH, Breeze ML, Nemeth MA, Oliveira WS, Braga DP, Berger GU, Harrigan GG. Compositional variability in conventional and glyphosate-tolerant soybean

(Glycine max L.) varieties grown in different regions in Brazil. J Agric Food Chem. 2011 Nov 9;59(21):11652-6.

599. Zhou J, Harrigan GG, Berman KH, Webb EG, Klusmeyer TH, Nemeth MA. Stability in the composition equivalence of grain from insect-protected maize and seed from glyphosate-tolerant soybean to conventional counterparts over multiple seasons, locations, and breeding germplasms. J Agric Food Chem. 2011 Aug 24;59(16):8822-8.

600. Zhou J, Ma CF, Xu HL, Yuan KL, Lu X, Zhu Z, Wu YN, Xu GW (2009) Metabolic profiling of transgenic rice with cryIAc and sck genes: an evaluation of unintended effects at metabolic level by using GC-FID and GC-MS. J Chromatogr B 877: 725-732

601. Zhou XH, Dong Y, Wang Y, Xiao X, Xu Y, Xu B, Li X, Wei XS, Liu QQ. A three generation study with high-lysine transgenic rice in Sprague-Dawley rats. Food Chem Toxicol. 2012 Jun;50(6):1902-10. Epub 2012 Apr 9.

602. Zhou XH, Dong Y, Xiao X, Wang Y, Xu Y, Xu B, Shi WD, Zhang Y, Zhu LJ, Liu QQ. A 90-day toxicology study of high-amylose transgenic rice grain in Sprague-Dawley rats. Food Chem Toxicol. 2011 Dec;49(12):3112-8. Epub 2011 Sep 24.

603. Zhu L, Gu M, Meng X, Cheung SC, Yu H, Huang J, Sun Y, Shi Y, Liu Q. High-amylose rice improves indices of animal health in normal and diabetic rats. Plant Biotechnol J. 2012 Apr; 10(3):353-62. doi: 10.1111/j.1467-7652.2011.00667.x. Epub 2011 Dec 7.

604. Zhu Y, He X, Luo Y, Zou S, Zhou X, Huang K, Xu W. A 90-day feeding study of glyphosate-tolerant maize with the G2-aroA gene in Sprague-Dawley rats. Food Chem Toxicol. 2013 Jan; 51:280-7.

605. Zhu Y, Li D, Wang F, Yin J, Jin H (2004) Nutritional assessment and fate of DNA of soybean meal from Roundup Ready or conventional soybeans using rats. Archives of Animal Nutrition-Archiv 58, 295–310.

606. Zhu, J.; Patzoldt, W. L.; Shealy, R. T.; Vodkin, L. O.; Clough, S. J.; Tranel, P. J. Transcriptome response to glyphosate in sensitive and resistant soybean. J. Agric. Food Chem. 2008, 56 (15), 6355−6363.

607. Zhuo Q, Chen X, Piao J, Gu L (2004) [Study on food safety of genetically modified rice which expressed cowpea trypsin inhibitor by 90 day feeding test on rats] [Article in Chinese]. Wei Sheng Yan Jiu. 33:176-9.

608. Zhuo Q, Chen X, Piao J, Han C (2004) [Study on the teratogenicity effects of genetically modified rich which expressed cowpea trypsin inhibitor on rats] [Article in Chinese]. Wei Sheng Yan Jiu. 33:74-7.

609. Zolla L, Rinalducci S, Antonioli P, Righetti PG.(2008) Proteomics as a complementary tool for identifying unintended side effectsoccurring in transgenic maize

seeds as a result of genetic modifications. J Proteome Res. 2008 May;7(5):1850-61. Epub 2008 Apr 5.

610. Zywicki B, Catchpole G, Draper J, Fiehn O. Comparison of rapid liquid chromatography-electrospray ionization-tandem mass spectrometry methods for determination of glycoalkaloids in transgenic field-grown potatoes. Anal Biochem. 2005 Jan 15;336(2):178-86.