

**Publication list Jörg Hummerjohann, PhD (peer-reviewed journals only)**

Boss R, **Hummerjohann J**. 2019. Whole Genome Sequencing Characterization of Shiga Toxin-Producing Escherichia coli Isolated from Flour from Swiss Retail Markets. *J Food Prot.* 82:1398-1404

Gekenidis MT, Qi W, **Hummerjohann J**, Zbinden R, Walsh F, Drissner D. 2018. Antibiotic-resistant indicator bacteria in irrigation water: High prevalence of extended-spectrum beta-lactamase (ESBL)-producing Escherichia coli. *PLoS One.* 13(11):e0207857.

Thiran E, Di Ciccio PA, Graber HU, Zanardi E, Ianieri A, **Hummerjohann J**. 2018. Biofilm formation of *Staphylococcus aureus* dairy isolates representing different genotypes. *J Dairy Sci.* 101:1000-1012

Zurfluh K, Stephan R, Klumpp J, Nüesch-Inderbinen M, **Hummerjohann J**, Bagutti C, Marti R. 2017 Complete Genome Sequence of Escherichia coli ABWA45, an rmtB-Encoding Wastewater Isolate. *Genome Announc.* 5(34). pii: e00844-17.

Zurfluh K, Stephan R, Klumpp J, Nüesch-Inderbinen M, **Hummerjohann J**, Bagutti C, Marti R. 2017. Complete Genome Sequence of *Citrobacter freundii* 705SK3, an OXA-48-Encoding Wastewater Isolate. *Genome Announc.* 5(33). pii: e00842-17.

Marti R, Stephan R, Klumpp J, Nüesch-Inderbinen M, **Hummerjohann J**, Bagutti C, Zurfluh K. 2017. Draft Genome Sequence of *Klebsiella pneumoniae* 704SK6, an OXA-48- and CTX-M-15-Encoding Wastewater Isolate. *Genome Announc.* 5(33). pii: e00831-17

Marti R, Stephan R, Klumpp J, Nüesch-Inderbinen M, **Hummerjohann J**, Bagutti C, Zurfluh K. 2017 Complete Genome Sequence of *Enterobacter cloacae* 704SK10, an OXA-48-Encoding Wastewater Isolate. *Genome Announc.* 5(33). pii: e00830-17

Marti R, Schmid M, Kulli S, Schneeberger K, Naskova J, Knochel S, Ahrens CH, **Hummerjohann J**. 2017. Biofilm Formation Potential of Heat Resistant Escherichia coli Dairy Isolates and Complete Genome of MDR Heat Resistant Strain FAM21845. *Appl Environ Microbiol* 83: e00628-17

Boll EJ, Marti R, Hasman H, Overballe-Petersen S, Stegger M, Ng K, Knochel S, Kroghfelt KA, **Hummerjohann J**, Struve C. 2017. Turn Up the Heat-Food and Clinical Escherichia coli Isolates Feature Two Transferrable Loci of Heat Resistance. *Front Microbiol* 8:579.

Marti R, Muniesa M, Schmid M, Ahrens CH, Naskova J, **Hummerjohann J**. 2016. Short communication: Heat-resistant Escherichia coli as potential persistent reservoir of extended-spectrum beta-lactamases and Shiga toxin-encoding phages in dairy. *J Dairy Sci* 99:8622-8632.

Johler S, Weder D, Bridy C, Huguenin MC, Robert L, **Hummerjohann J**, Stephan R. 2015. Outbreak of staphylococcal food poisoning among children and staff at a Swiss boarding school due to soft cheese made from raw milk. *J Dairy Sci* 98:2944-2948.

Johler S, Giannini P, Jermini M, **Hummerjohann J**, Baumgartner A, Stephan R. 2015. Further evidence for staphylococcal food poisoning outbreaks caused by egc-encoded enterotoxins. *Toxins (Basel)* 7:997-1004.

Peng S, Weik D, Stephan R, **Hummerjohann J**. 2015. Behaviour of an Escherichia coli strain deleted in the salt stress response gene *kdpA* during production and ripening of a semi-hard cheese *J Food Safety Food Quality* 66:46-50

Peng S, Stephan R, **Hummerjohann J**, Tasara T. 2014. Evaluation of three reference genes of Escherichia coli for mRNA expression level normalization in view of salt and organic acid stress exposure in food. FEMS Microbiol Lett 355:78-82.

Peng S, Stephan R, **Hummerjohann J**, Tasara T. 2014. Transcriptional analysis of different stress response genes in Escherichia coli strains subjected to sodium chloride and lactic acid stress. FEMS Microbiol Lett 361:131-137.

**Hummerjohann J**, Naskova J, Baumgartner A, Gruber HU. 2014. Enterotoxin-producing Staphylococcus aureus genotype B as a major contaminant in Swiss raw milk cheese. J Dairy Sci 97:1305-1312.

Studer P, Heller WE, **Hummerjohann J**, Drissner D. 2013. Evaluation of aerated steam treatment of alfalfa and mung bean seeds to eliminate high levels of Escherichia coli O157:H7 and O178:H12, *Salmonella enterica*, and *Listeria monocytogenes*. Appl Environ Microbiol 79:4613-4619.

Peng S, Schafroth K, Jakob E, Stephan R, **Hummerjohann J**. 2013. Behaviour of Escherichia coli strains during semi-hard and hard raw milk cheese production Int. Dairy J. 31(2):117–120.

Peng S, **Hummerjohann J**, Stephan R, Hammer P. 2013. Short communication: heat resistance of Escherichia coli strains in raw milk at different subpasteurization conditions. J Dairy Sci 96:3543-3546.

Peng S, Hoffmann W, Bockelmann W, **Hummerjohann J**, Stephan R, Hammer P. 2013. Fate of Shiga toxin-producing and generic Escherichia coli during production and ripening of semihard raw milk cheese. J Dairy Sci 96:815-823.

Gruber HU, Pfister S, Burgener P, Boss R, Meylan M, **Hummerjohann J**. 2013. Bovine Staphylococcus aureus: diagnostic properties of specific media. Res Vet Sci 95:38-44.

Farrokh C, Jordan K, Auvray F, Glass K, Oppegaard H, Raynaud S, Thevenot D, Condon R, De Reu K, Govaris A, Heggen K, Heyndrickx M, **Hummerjohann J**, Lindsay D, Miszczycha S, Moussiegt S, Verstraete K, Cerf O. 2013. Review of Shiga-toxin-producing Escherichia coli (STEC) and their significance in dairy production. Int J Food Microbiol 162:190-212.

Syring C, Boss R, Reist M, Bodmer M, **Hummerjohann J**, Gehrig P, Gruber HU. 2012. Bovine mastitis: the diagnostic properties of a PCR-based assay to monitor the Staphylococcus aureus genotype B status of a herd, using bulk tank milk. J Dairy Sci 95:3674-3682.

Peng S, Stephan R, **Hummerjohann J**, Blanco J, Zweifel, C  
In vitro characterization of Shiga toxin-producing and generic Escherichia coli in respect of cheese production-relevant stresses. 2012. J Food Safety Food Quality 63:136-141

Peng S, Tasara T, **Hummerjohann J**, Stephan R. 2011. An overview of molecular stress response mechanisms in Escherichia coli contributing to survival of Shiga toxin-producing Escherichia coli during raw milk cheese production. J Food Prot 74:849-864.

Baumgartner A, Bischofsberger T, Dalla Torre M, Emch H, Gafner JL, **Hummerjohann J**, Meyer R, Mueller C, Scheffeldt P, Spahr U, Stephan R, Waespi U. 2006  
Guidelines for the appropriate procedure of the pre-analytical part of the microbiological analyses in the field of food production [in German]  
Mitteilungen aus Lebensmitteluntersuchung und Hygiene 97:377-406.

Riesterer O, Zingg D, **Hummerjohann J**, Bodis S, Pruschy M. 2004. Degradation of PKB/Akt protein by inhibition of the VEGF receptor/mTOR pathway in endothelial cells. *Oncogene* 23:4624-4635.

Ghielmini M, Schmitz SF, Cogliatti SB, Pichert G, **Hummerjohann J**, Waltzer U, Fey MF, Betticher DC, Martinelli G, Peccatori F, Hess U, Zucca E, Stupp R, Kovacsovics T, Helg C, Lohri A, Bargetzi M, Vorobiof D, Cerny T. 2004. Prolonged treatment with rituximab in patients with follicular lymphoma significantly increases event-free survival and response duration compared with the standard weekly x 4 schedule. *Blood* 103:4416-4423.

Trojan A, Urosevic M, **Hummerjohann J**, Giger R, Schanz U, Stahel RA. 2003. Immune reactivity against a novel HLA-A3-restricted influenza virus peptide identified by predictive algorithms and interferon-gamma quantitative PCR. *J Immunother* 26:41-46.

Corbacioglu S, Eber S, Gungor T, **Hummerjohann J**, Niggli F. 2003. Induction of long-term remission of a relapsed childhood B-acute lymphoblastic leukemia with rituximab chimeric anti-CD20 monoclonal antibody and autologous stem cell transplantation. *J Pediatr Hematol Oncol* 25:327-329.

**Hummerjohann J**, Laudenbach S, Retey J, Leisinger T, Kertesz MA. 2000. The sulfur-regulated arylsulfatase gene cluster of *Pseudomonas aeruginosa*, a new member of the cys regulon. *J Bacteriol* 182:2055-2058.

**Hummerjohann J**, Kuttel E, Quadroni M, Ragaller J, Leisinger T, Kertesz MA. 1998. Regulation of the sulfate starvation response in *Pseudomonas aeruginosa*: role of cysteine biosynthetic intermediates. *Microbiology* 144 (Pt 5):1375-1386.

Dierks T, Miech C, **Hummerjohann J**, Schmidt B, Kertesz MA, von Figura K. 1998. Posttranslational formation of formylglycine in prokaryotic sulfatases by modification of either cysteine or serine. *J Biol Chem* 273:25560-25564.