

Recent relevant publications

- Jakobsen OM, Brautaset T, Degnes KF, Heggeset TMB, Balzer S, Flickinger MC, Valla S, Ellingsen TE (2009). Overexpression of wild-type aspartokinase increases L-lysine production in the thermo-tolerant methylotrophic bacterium *Bacillus methanolicus*. *Appl Environ Microbiol* 75: 652-66
- Brautaset T, Lale R, Valla, S (2009). Positively regulated bacterial expression systems. *Microbial Biotechnol* 2: 15-30.
- Jakobsen ØM, Brautaset T, Degnes K, Heggeset TMB, Balzer S, Flickinger MC, Ellingsen TE (2009). "Overexpression of aspartokinases I, II, and III in *Bacillus methanolicus* strains and the effects on L-lysine production levels. *Appl Environ Microbiol* 75: 652-661.
- Bakke I, Berg L, Aune TE, Brautaset T, Sletta H, Tøndervik A, Valla S (2009). Random mutagenesis of the P_m promoter as a powerful strategy for improvement of recombinant gene expression. *Appl Environ Microbiol* 75: 2002-2011.
- Preobrazhenskaya MN, Olsufyeva EN, Solovieva SE, Tevyashova AN, Reznikova MI, Luzikov YN, Terekhova, LP, Trenin AS, Galatenko OA, Treshalin ID, Mirchink EP, Bukhman VM, Sletta H, Zotchev SB (2009). Chemical modification and biological evaluation of new semisynthetic derivatives of 28,29-didehydronystatin A(1) (S44HP), a genetically engineered antifungal polyene macrolide antibiotic. *J Medicinal Chem* 52: 189-196
- Jorgensen H, Degnes KF, Sletta H, Fjaervik E, Dikiy A, Herfindal L, Bruheim P, Klinkenberg G, Bredholt H, Nygard G, Doskeland SO, Ellingsen TE, Zotchev SB (2009). Biosynthesis of macrolactam BE-14106 involves two distinct PKS systems and amino acid processing enzymes for generation of the aminoacyl starter unit. *Chem Biol* 16: 1109-1121
- Nieselt K, Battke F, Herbig A, Bruheim P, Wentzel A, Jakobsen ØM, Sletta H, Alam MT, Merlo ME, Moore J, Omara WAM, Morrissey ER, Juarez-Hermosillo MA, Rodríguez-García A, Nentwich M, Thomas L, Iqbal M, Legaie R, Gaze WH, Challis GL, Jansen RJ, Dijkhuizen L, Rand DA, Wild DL, Bonin M, Reuther J, Wohlleben W, Smith MCM, Burroughs NJ, Martín JF, Hodgson DA, Takano E, Breitling R, Ellingsen TE, Wellington EMH (2010). The dynamic architecture of the metabolic switch in *Streptomyces coelicolor*. *BMC Genomics* 11: 10 (doi:10.1186/1471-2164-11-10)
- Aune TEV, Bakke I, Drabløs F, Lale R, Brautaset T, Valla S (2010). Directed evolution of the transcriptional factor XylS for development of improved expression systems. *Microbial Biotechnol* 3: 38-47.
- Brautaset T, Jakobsen ØM, Degnes KF, Netzer R, Nærdal I, Krog A, Dillingham R, Flickinger MC, Ellingsen TE (2010). *Bacillus methanolicus* pyruvate carboxylase and homoserine dehydrogenase I and II and their roles for lysine production from methanol. *Appl Microbiol Biotechnol* 87: 951-964.
- Netzer R, Stafsnes M, Andreassen T, Goksøyr A, Bruheim P, Brautaset T (2010). Biosynthetic pathway for g-cyclic sarcinaxanthin in *Micrococcus luteus*: heterologous expression and evidence for diverse and multiple catalytic functions of C50 carotenoid cyclases. In Press *J Bacteriol*.