Projekta Izp-2018/2-0123 rezultāti

Skābekļa rezistentie un termotolerantie Zymomonas mobilis elpošanas mutanti

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Kalnenieks, U.; Balodite, E.; Rutkis, R. Metabolic Engineering of Bacterial Respiration: High vs. Low P/O and the Case of Zymomonas mobilis. - Front. Bioeng. Biotechnol., 2019, 7, Review. https://doi.org/10.3389/fbioe.2019.00327

2. Kalnenieks, U.; Pappas, K. M.; Bettenbrock, K. Zymomonas mobilis metabolism: Novel tools and targets for its rational engineering. - Advances in Microbial Physiology, Academic Press: 2020; Vol. 77, pp 37-88.

3. Kovtuna, K.; Strazdina, I.; Bikerniece, M.; Galinina, N.; Rutkis, R.; Martynova, J.; Kalnenieks, U. Improved Hydrogen Peroxide Stress Resistance of Zymomonas mobilis NADH Dehydrogenase (ndh) and Alcohol Dehydrogenase (adhB) Mutants. – Fermentation, 2022, 8 (6), https://doi.org/10.3390/fermentation8060289

4. Fuchino, K.; Kalnenieks, U.; Rutkis, R.; Grube, M.; Bruheim, P. Metabolic profiling of glucose-fed metabolically active resting zymomonas mobilis strains. – Metabolites, 2020, 10 (3), https://doi.org/10.3390/metabo10030081