

## Gentechnikkurs 2020

1. Serine Racemase: At4g11640, Arabidopsis thaliana, Klonierung in pET28, 1420 bp (<https://www.arabidopsis.org/servlets/TairObject?id=130080&type=locus>)

P960 AtSR-S-BamHI GGATCCATGGAAGCAAATAGAGAGAAGTAT

P961 AtSR-AS-SacI GAGCTCTTATTTGAACTCTTAAATGAATCCCATAG

2. SbtB, slr1513, Synechocystis 6803, Klonierung in pET28, ca. 350 bp

Primer SbtB\_BamH1\_5: GGATCCATGGCTAAACCAGCGAA

Primer SbtB\_SacI\_3: GAGCTCTTAACAGCCCTCAGGGC

3. Enolase, slr0752, Synechocystis 6803, Klonierung in pASK-IBA43, 1311 bp,

Primer TB71: Eno\_SacI\_3\_Fw gagctcATGTTAAGTAAAGTCCCCG

Primer TB61: Eno\_SalI\_5\_Rv gtcgacTTAAGAATGTTTGGGACCC

4. Glycerinaldehyd-3-Phosphate Dehydrogenase 2 (Gap2), slr1342, Synechocystis 6803, Klonierung in pET28, 1338 bp

Primer GAP2\_NdeI\_5: CATATGATGGCTGACCCACCAAATC

Primer GAP2\_BamHI\_3: GGATCCGGACAAACGTTTCATAAACTGT

5. Glycerat-2-Phosphate Mutase (PGAM1), slr1995, Synechocystis 6803, Klonierung in pET28, 1599 bp

Primer PGAM1\_NdeI\_5: CATATGATGGCAGAGGCACCGATCGCC

Primer PGAM1\_BamHI\_3: GGATCCCTAACGGGAGAGATTGACCGG

6. Glycerat-3-Phosphat Dehydrogenase (3PGA-DH) slr1908, Synechocystis 6803, Klonierung in pET28, 1581 bp

Primer PGADH\_NdeI\_5: CATATGATGGCTAAAGTTTTAGTTTCT

Primer PGADH\_BamHI\_3: GGATCCTTAGAGCTTAACGGTGTAGGC