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|  | Table xxx. – Influence of gene dosage on biomass growth. Final OD at 600nm after three days of growth in selective media of the strain 183fas2Δ + pTA1\_FASIIb transformed with a 2nd plasmid after ALE. The underlined values are those higher than the OD for the 7R(183fas2Δ+pTA1\_FASIIb) and the selected ones for growth curve. | | |
| Code | Strain/ 2nd plasmid | OD600nm |
| Ω183 | CEN.PK2-1C (control) | 7.84 |
| µ1420 | 7R(183fas1Δ+pTA1\_FASIIb) | 5.00 |
| µ1421 | 7R(183fas2Δ+pTA1\_FASIIb) | 4.32 |
|  | 183fas2Δ+pTA1\_FASIIb + |  |
| µ1409 | 7R(pYPK0\_TPI1\_EcfabA\_PMP3) | 7.18 |
| µ1418 | 7R(pYPK0\_ENO2\_AthMOD1\_RPL5) | 7.22 |
| µ1412 | 7R(pYPK0\_PDC1\_EcfabH\_TEF1) | 5.8 |
| µ1410 | 7R(pYPK0\_UTR2\_EcfabB\_TPI1) | 3.62 |
| µ1405 | 7R(pYPK0\_TEF1\_EcfabD\_FBA1) | 3.52 |
| µ1408 | 7R(pYPK0\_TDH3\_EcfabF\_UTR2) | 3.48 |
| µ1404 | 7R(pYPK0\_FBA1\_EcfabG\_RPL22A) | 2.84 |
| µ1411 | 7R(pYPK0\_RPL22A\_EcacpP\_TDH3) | 2.64 |
| µ1419 | 7R(pYPK0\_RPL16A\_AthFATB\_RPL17A) | 1.86 |
| µ1416 | 7R(pYPK0\_TEF1\_YlACC1\_TDH3) | 1.58 |
| µ1406 | 7R(pYPK0\_RPL5\_AthfatA1\_RPL16A) | 1.08 |
| µ1413 | 7R(pYPK0\_TEF1\_Sj1Acc1\_TDH3) | 0.72 |
| µ1414 | 7R(pYPK0\_RPL16B\_EcacpS\_TMA19) | 0.25 |
| 1415 | 7R(pYPK0\_TDH3\_YlACC1\_PGI1) | 0.2 |
| 1407 | 7R(pYPK0\_PMP3\_EcfabZ\_ENO2) | 0.04 |

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| Table xxx. – Influence of gene dosage on biomass growth. Final OD at 600nm after three days of growth in YPD for WT and YPD+G418 for the strain 183fas2Δ + pTA1\_FASIIb transformed with a 2nd plasmid after ALE of seven rounds. The underlined values are those higher than the OD for the 7R(183fas2Δ+pTA1\_FASIIb) and the selected ones for growth curve. | | |
| Designation | Strain/ 2nd plasmid | OD600nm |
| WT | CEN.PK2-1C (control) | 7.84 |
| 7R(183fas1Δ+pTA1\_FASIIb) | 183fas1Δ+pTA1\_FASIIb | 5.00 |
| 7R(183fas2Δ+pTA1\_FASIIb) | 183fas2Δ+pTA1\_FASIIb | 4.32 |
|  | 183fas2Δ+pTA1\_FASIIb + |  |
| 7R(183fas2Δ+pTA1\_FASIIb+pYPK0\_EcfabA) | pYPK0\_TPI1\_EcfabA\_PMP3 | 7.18 |
| 7R(183fas2Δ+pTA1\_FASIIb+pYPK0\_AthMOD1) | pYPK0\_ENO2\_AthMOD1\_RPL5 | 7.22 |
| 7R(183fas2Δ+pTA1\_FASIIb+pYPK0\_EcfabH) | 7R(pYPK0\_PDC1\_EcfabH\_TEF1) | 5.8 |
| µ1410 | 7R(pYPK0\_UTR2\_EcfabB\_TPI1) | 3.62 |
| µ1405 | 7R(pYPK0\_TEF1\_EcfabD\_FBA1) | 3.52 |
| µ1408 | 7R(pYPK0\_TDH3\_EcfabF\_UTR2) | 3.48 |
| µ1404 | 7R(pYPK0\_FBA1\_EcfabG\_RPL22A) | 2.84 |
| µ1411 | 7R(pYPK0\_RPL22A\_EcacpP\_TDH3) | 2.64 |
| µ1419 | 7R(pYPK0\_RPL16A\_AthFATB\_RPL17A) | 1.86 |
| µ1416 | 7R(pYPK0\_TEF1\_YlACC1\_TDH3) | 1.58 |
| µ1406 | 7R(pYPK0\_RPL5\_AthfatA1\_RPL16A) | 1.08 |
| µ1413 | 7R(pYPK0\_TEF1\_Sj1Acc1\_TDH3) | 0.72 |
| µ1414 | 7R(pYPK0\_RPL16B\_EcacpS\_TMA19) | 0.25 |
| 1415 | 7R(pYPK0\_TDH3\_YlACC1\_PGI1) | 0.2 |
| 1407 | 7R(pYPK0\_PMP3\_EcfabZ\_ENO2) | 0.04 |