

Supplementary Material S5- Primers used for qPCR of randomly selected genes.

Alencar *et al.* (2021). The quorum sensing auto-inducer 2 (AI-2) stimulates nitrogen fixation and favors ethanol production over biomass accumulation in *Zymomonas mobilis*. *Int. J. Mol. Sci.* Submitted.

LocusTag_ID	Description	Forward primer	Reverse primer
ZMO_RS00220	alpha/beta hydrolase	GCGATTGTCGTCGCTTTATC	CCGATCAGATGTTGCCATTG
ZMO_RS05560	alcohol dehydrogenase	GTGCTTGACGGTATCGAAGT	GCTTGGTGACTTTTCGGTTTG
ZMO_RS08755	co-chaperonin GroES	GACAGCTGGCGGTATCATT	TTCGCTATGGGTTCCGTTAC
ZMO_RS00205	lysine exporter protein	GGTGTGCTTCGACTTACCT	GAAGGCTGCAAGGGAGTAAT
ZMO_RS08485	glutaredoxin-like protein	CCGGATCAAAGAAGTTCTGG	CCGCATTAGAATAGAGACG
ZMO_RS05980	LysR family transcriptional regulator	CTTGCGGATTGAGCTTTACG	CGACCAATGCGATCGAGATA
ZMO_RS04025	TonB-dependent receptor	ACGCGGTGGTTTCTTCTT	TGTCGTGCTCGTCTGATTAC
ZMO_RS00175	sigma 54 modulation protein/ribosomal protein S30EA	GCCTCTGTCACTTTTCGGTAATC	GCATGGGCGTCTTTGTCTAT
ZMO_RS07220	phosphopyruvate hydratase	TTATAAGCCGGGCGAAGATG	GTTTACGGCCTTCACCCTTA
ZMO_RS02370	30S ribosomal protein S13	CCCACAAACAAACGTGTAG	TCAGAAAGATCCTGGACACG
ZMO_RS06270	peptidase M23	CCGTTATGCCGTTGCTCATA	TCGCGATTGATGGGTTCTTC
ZMO_RS04470	5-methyltetrahydropteroyltriglutamate-homocysteine S-methyltransferase	CAAAGCGTCAGAGCCCTTAT	AATGGTCGTCGTCGGATAGA
ZMO_RS06320	MucR family transcriptional regulator	ATCTGCCTCGAAGACGGTAA	TTAGCGCGGTATTGTTCCG
ZMO_RS02245	elongation factor G	CCACAACCGAGCGTATTCTT	TGTTCTGCTCCATCCAATC
ZMO_RS00755	glyceraldehyde-3-phosphate dehydrogenase, type I	CTGACCGCAGATGACAAGAT	CTGTGAACGGTGGTCATCAA
ZMO_RS03200	transcription elongation factor GreB	CCAAGGCAGAATAAGCTGGA	CTGGTAGGCGGACAATTCTAAG
ZMO_RS04395	ABC transporter-like protein	CTTGGAACAGGTGGGACTTT	TGGCTGCCCTTTGTCTTT
ZMO_RS01520	rod shape-determining protein MreB	GAAAGTGCATGGCGGTAAAG	CGAATAGCGCTCTTTCAAC
ZMO_RS08860	PhzF family phenazine biosynthesis protein	CGAATGCAAGGCACTGAAAG	AAGGTACGCACACGGATT
ZMO_RS01575	phosphogluconate dehydratase	TTGGCTACCAGCGTTTCT	CAACAGACCAGGGACAATCT
ZMO_RS03720	UDP-N-acetylmuramate-L-alanine ligase	TCGGGATAGACGGCTGATTA	AGCGGTTACCACCAGAGATA