

Electronic Supplementary Information for

Improving isoprenol production via systematic CRISPRi screening in engineered

Escherichia coli

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Table S1. Sequences of sgRNAs used in this study

Name	Sequence
<i>sgaphA</i>	TAGAGCGAACAATAAGCAAAGTTTTAGAGCTAGAAATAGCAAG TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt CGCTCCAGGCTCCCAGCACAGTTTTAGAGCTAGAAATAGCAAGT
<i>sgyihX</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt AACTATCCCTGCCACAGCTGGTTTTAGAGCTAGAAATAGCAAGT
<i>sgagp</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt ACGTGGTTGGTTGTACGTTTGTTTTAGAGCTAGAAATAGCAAGT
<i>sgybiV</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt GGTGTGATCGGGCAGCAGAAGTTTTAGAGCTAGAAATAGCAAG
<i>sgyidA</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt CTAAATCAGACGCAACAACCGTTTTAGAGCTAGAAATAGCAAG
<i>sgyigL</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt GTCACAGGGGTAAACAGTAAGTTTTAGAGCTAGAAATAGCAAG
<i>sgphoA</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt CCGAGATGCGCCCCAAAGGCGTTTTAGAGCTAGAAATAGCAAG
<i>sgyigB</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt CATAAACCGCTCACGTTATGTTTTAGAGCTAGAAATAGCAAGT
<i>sgybjI</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt GAAAAATACCGCTTCTATCCGTTTTAGAGCTAGAAATAGCAAGT
<i>sgyieH</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt ACGCAAGCAACGGTAACGTGGTTTTAGAGCTAGAAATAGCAAG
<i>sgnudJ</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt AATGTAACGGGCAGGTTGTCGTTTTAGAGCTAGAAATAGCAAG
<i>sgnudF</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt TGCAGCAAGAATCTGACGCGTTTTAGAGCTAGAAATAGCAAG
<i>sghxpB</i>	TTAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt ACGCCGTTCTACCGCAGGCGTTTTAGAGCTAGAAATAGCAAGT
<i>sghxpA</i>	TAAAATAAGGCTAGTCCGttatcaactgaaaaagtgaccgagtcggtgcttttt
<i>sgnudI</i>	CACCATCATTTTGAATCAAAGTTTTAGAGCTAGAAATAGCAAGT

TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
AGTTCAGGGGTTTCGGTTAAGTTTTAGAGCTAGAAATAGCAAGT
sgotsB TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
AATCATCAAGCGTCAGGCTAGTTTTAGAGCTAGAAATAGCAAG
sgnudL TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
TACCGACATTGCCGGTTGCGGTTTTAGAGCTAGAAATAGCAAGT
sgyggV TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
TTCAAAATCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAG
sgaccA10-cds1 GCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
GTGTCGATAAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAG
sgaccA10-cds2 GCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
ACCCTGTCCAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAG
sgfabD10-cds1 GCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
CCTTCCGGTAGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG
sgfabD10-cds2 CTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
GCACTTGTTTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGG
sgfabH10-cds1 CTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
ACGTATTGATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAG
sgfabH10-cds2 GCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
TTAAACAAATCTAAcatTGGGTTTTAGAGCTAGAAATAGCAAGTT
sgmarC AAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
CCCCCTCCCTCGCGCTGGAAGTTTTAGAGCTAGAAATAGCAAGT
sgastE TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
TACGCGATGAGGATCATTCCGTTTTAGAGCTAGAAATAGCAAGT
sgygiH TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
ACGGCTTTATCGATAAGAAGTTTTAGAGCTAGAAATAGCAAG
sgyibT TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
CCATTAAGCCTTTACCAAAAAGTTTTAGAGCTAGAAATAGCAAGT
sgyghW TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
TCCAGTATCAACACGCCTTTGTTTTAGAGCTAGAAATAGCAAGT
sgybjC TAAAATAAGGCTAGTCCGttatcaactgaaaaagtggcaccgagtcggtgcttttt
