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16S Bacteria 338F-516P-805R BSA

Forked from 16S Bacteria 338F-516P-805R

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1 Works for me dx.doi.org/10.17504/protocols.io.m7qc9mw

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ABSTRACT

Universal 16S rRNA BActeria 338F-516P-805R

BAC338F ACT CCT ACG GGA GGC AG , target *E.coli :* 338-354, Yu et al. (2005), B&B
BAC516P* TGC CAG CAG CCG CGG TAA TA, target *E.coli :* 516-536, '
BAC805R GAC TAC CAG GGT ATC TAA TC , target *E.coli :* 785-805, '

* Probe must be dual-labelled either with 5'-6-FAM, 3'-BHQ1 or any other valid combination.

THIS PROTOCOL ACCOMPANIES THE FOLLOWING PUBLICATION

Yu, Y, Lee, C, Kim, J & Hwang, S (2005) Group-specific primer and probe sets to detect meth-anogenic communities using quantitative real-time polymerase chain reaction.Biotechnology and Bioengineering 89:670–679. url:http://dx.doi.org/10.1002/bit.20347

ATTACHMENTS

Introduction_QPCR_Stratagene.pdf AB_rt-QPCRguide.pdf

DOI

dx.doi.org/10.17504/protocols.io.m7qc9mw

PROTOCOL CITATION

Roey Angel, Eva Petrova, Ana Lara 2020. 16S Bacteria 338F-516P-805R BSA. **protocols.io** dx.doi.org/10.17504/protocols.io.m7qc9mw

MANUSCRIPT CITATION please remember to cite the following publication along with this protocol

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FORK FROM

Forked from 16S Bacteria 338F-516P-805R, Eva Petrova

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Feb 12, 2018

LAST MODIFIED

Jul 31, 2020

PROTOCOL INTEGER ID

10192

PARENT PROTOCOLS

In steps of

RNA-Stable Isotope Probing

MATERIALS

NAME	CATALOG #	VENDOR
iQ™ SYBR® Green Supermix	1708880	BioRad Sciences

QPCR mixture

1

Reagent	Final conc.	1 tube (20µl)	plate (20µl x 100)
PCR H_2O		4.6	460
iQ™ Supermix	1x	10	1000
$MgCl_2$ (25mM)	4.0 mM	0.8*	80*
BSA (20µg/µl)	0.2 µg/µl	0.2	20
338F (10µM)	0.5 µM	1.0	100
805R (10µM)	0.5 µM	1.0	100
516P (10µM)†	0.2 µM	0.4	40
Template		2	2 x 100

* Buffer contains $MgCl_2$ at final conc. of 3.0 mM

Program

2

1. 95°C – 5'
2. **x 40** {
   a. 95°C – 30"
   b. 22°C – 60" take a snapshot
   }

Citation: Roey Angel, Eva Petrova, Ana Lara (07/31/2020). 16S Bacteria 338F-516P-805R BSA. https://dx.doi.org/10.17504/protocols.io.m7qc9mw