Certificate of Analysis for NR-53766

Genomic DNA from *Candida auris*, Strain AKU-2017-385

Catalog No. NR-53766

Product Description:

Genomic DNA was extracted from a preparation of *Candida auris (C. auris)*, strain AKU-2017-385, which was isolated in 2017 from the bloodstream of a human with nosocomial fungemia in Karachi, Pakistan. The fungal preparation used for extraction of genomic DNA was produced from a culture of BEI Resources NR-52713 lot 70055053 using proprietary technology and is provided in 10 mM Tris-HCl, 0.1 mM EDTA, pH 8.5.

Lot: 70066648 **Manufacturing Date: 07OCT2025**

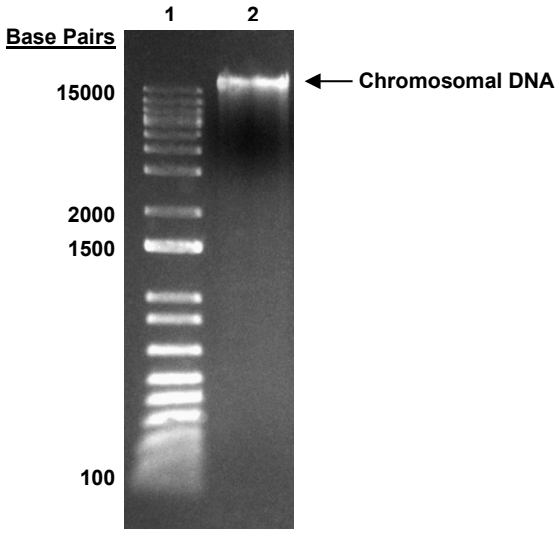
BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided: E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.2 to 3.5 µg in 20 to 200 µL/vial	1.5 µg in 90 µL/vial (17 µg/mL)
Amount per Vial	0.2 to 3.5 µg	1.5 µg
Genotypic Analysis Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 360 base pairs) Sequencing of 28S rRNA gene (~ 540 base pairs)	≥ 99% sequence identity to *C. auris*, strain B8441 (GenBank: PEKT03000002.1) ≥ 99% sequence identity to *C. auris*, strain B8441 (GenBank: PEKT03000002.1)	100% sequence identity to *C. auris*, strain B8441 (GenBank: PEKT03000002.1) 100% sequence identity to *C. auris,* strain B8441 (GenBank: PEKT03000002.1)
Functional Activity by PCR Amplification[1] rRNA gene	~ 1100 base pair amplicon	~ 1100 base pair amplicon
OD_{260}/OD_{280} Ratio	1.7 to 2.1	2.1
Fungal Inactivation 10% of total DNA yield inoculated in Yeast Mold agar and incubated for 14 days at 25°C in an ambient atmosphere	No viable organisms detected	No viable organisms detected

[1]Primer sequences and conditions for PCR are available upon request.

BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: ~ 200 ng of NR-53766

/Sonia Bjorum Brower/
Sonia Bjorum Brower 28 OCT 2025
Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898