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Mark T. Gladwin, MD
Professor and Chair

February 14, 2019

Gonçalo Abecasis
University of Michigan

Cathy Laurie
University of Washington

Cashell Jaquish
NHLBI

Re: Approval letter for the TOPMed Flagship Genomics Manuscript

Dear Dr. Abecasis, Dr. Laurie, and Dr. Jaquish:

On behalf of the Executive Committee and the study investigator team of the Treatment of Pulmonary Hypertension and Sickle Cell Disease with Sildenafil Therapy (Walk-PHaSST) study, I approve the submission of the TOPMed Flagship Genomics Manuscript entitled "Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program" to *Nature*.

We have reviewed the main manuscript and supplemental materials.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Gladwin".

Mark T. Gladwin, MD
Jack D. Myers Professor and Chair
Chair of the Department of Medicine
Director, Pittsburgh Heart, Lung, Blood and Vascular Medicine Institute