# **Data Transfer Agreement (DTA)**

Between Beren Therapeutics and Novogene

Sponsor: Beren Therapeutics

Protocol: TAU-001

Version: v1.0 20-Aug-2021

### SIGNATURE APPROVAL

The signatures below indicate approval of the Data Transfer Agreement between Novogene and Beren Therapeutics with specifications described herein.

Joel Gutierrez

Clinical Data Manager

Beren Therapeutics, P.B.C.

Aug 20, 2021

Signature

Date

Suman Bhattacharya

SVP, Head of Biometrics, Data

Management, Digital Health,

**And Informatics** 

Beren Therapeutics, P.B.C.

Suman Bhattacharya (Aug 20, 2021 12:28 PDT) Aug 20, 2021

Signature

Date

Gürkan Korkmaz

Sales Director

Novogene (UK) Co. Ltd.

Aug 20, 2021

Signature

Date

## **REVISION HISTORY**

Version	Revision Date	Description of Change
1.0	20AUG2021	Initial Draft

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### 1 BEREN THERAPEUTICS CONTACT INFORMATION

Company Name:	Contact Name:
Beren Therapeutics	Joel Gutierrez
Address:	Telephone Number:
9200 W Sunset Blvd., Ste 1010	
West Hollywood, CA 90069-3502	909.235.6833
Fax Number:	e-mail Address:
	jgutierrez@berentx.com

## 2 DATA SENDER CONTACT INFORMATION

Company Name:	Contact Name:
Novogene (UK) Co. Ltd.	Gürkan Korkmaz
Address:	Telephone Number:
25 Cambridge Science Park, Milton Road, CB4 0FW, Cambridge, United Kingdom	+49 1520 13 454 28
Fax Number:	e-mail Address:
	gurkan.korkmaz@novogene-europe.com

#### 3 OBJECTIVE

The objective of the data transmission is to transmit electronic Next-Generation Sequencing (NGS) data from Novogene (external vendor) to Beren Therapeutics for the TAU-001 study, where Beren Therapeutics is designated as the electronic data recipient.

Beren is responsible for handling the electronic data received and converting the format of the data from the original format type to SAS datasets. A validated SAS program will be developed by a SAS programmer and reviewed by a second party SAS programmer to ensure that the received electronic data is accurately uploaded to the study file on the Beren network. However, the integrity of the actual data itself is the sole responsibility of the external vendor. This document describes the specifications that will govern all transfers for the NGS data.

## 4 REQUIREMENTS

FILE TRANSFER REQUIREMENTS					
1	Data Sender	Novogene			
2	Data Recipient	Beren Therapeutics			
3	Anticipated Date of First Data Transfer	Q3 2021			
4	File Transfer Frequency	<ul><li>☐ Monthly</li><li>☐ Quarterly</li><li>☐ End of Batch</li><li>☐ End of Study</li></ul>			
5	Method of Transfer	Secure web-based transfer via Beren sFTP (Amazon AWS) Backup method: password-protected zip file via AWS download link.			
6	Transfer Type	Cumulative			
7	Compression (e.g. Zip)	Yes No			
8	sFTP Encryption	Yes No			
9	File Formats	□ ASCII       □ SAS Transfer Format         □ XML       □ Reference Ranges         □ Binary       ○ Other –Please specify:         □ Text       FASTQ			
10	Delimiter to be Used for Text Files	<ul> <li>Vertical Bar</li> <li>Arrobas (@)</li> <li>Comma*</li> <li>Tab</li> <li>Space*</li> <li>Semi-colon*</li> </ul> NA <ul> <li>Other −Please specify:</li> <li>* Please note that some results, test names, or cancellations, can have this delimiter in them.</li> </ul>			

## **5** DATA TYPES

The data types that will be sent to Beren include NGS data in fastq file format along with accompanying contents file.

## 6 ACCESS CONTROL

Data will be managed under strict data access controls.

The following Beren team members will be granted access to the transferred data:

- Suman Bhattacharya
- Joel Gutierrez
- Hannes Holste
- Peter Duewell

• Silke Raffegerst

### 7 FILE NAMING CONVENTIONS

#### 7.1 NGS DATA LISTING

The NGS data listing will be transferred in a directory format as follows when more than 5 samples are sent:

InternalNovogene-Internal-Internal multipath - NovogeneContractID-Internal-Internal 1 └── raw\_data --- SampleNameA │ ├── SampleNameA\_1.fq.gz │ └── SampleNameA\_ 2.fq.gz --- SampleNameB | --- MD5.txt SampleNameB 1.fq.gz └─ SampleNameB 2.fq.gz InternalNovogeneID-Internal-Internal 2 L— raw\_data -— SampleNameC SampleNameC 1.fq.gz L— SampleNameD --- MD5.txt - SampleNameD 1.fq.gz └── SampleNameD\_2.fq.gz ☐ InternalNovogeneID-Internal-Internal 3 --- raw\_data

├── SampleNameE

| ├── MD5.txt

| ├── SampleNameE\_1.fq.gz

| └── SampleNameE\_2.fq.gz

├── SampleNameF

| ├── MD5.txt

| ├── SampleNameF\_1.fq.gz

| └── SampleNameF\_2.fq.gz

| └── SampleNameG

| ├── MD5.txt

| ├── SampleNameG

# Beren Novogene DTA\_v1.0 Final\_20AUG2021

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