**Grafton Clinical Genomics**

**Data Storage and Transfer Agreement**

Data Owner:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Data type (WES, Panel, RNASeq/ Platform/ sample numbers):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Estimated output data size:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(e.g., Ion Torrent P1 chip= 2 exomes = ~90 Gb; 2 exomes on Illumina= 30 Gb)

Estimated raw data size: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(e.g., Ion Torrent P1 chip = 2 exomes = 380 Gb; 2 exomes on Illumina= not required)

Data transfer plan\* (UOA network/ external hard disc): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\* The UOA clients can submit a data storage request to UOA eResearch team at:  <https://docs.google.com/forms/d/e/1FAIpQLSe1imZe6Db5yFIylqT5jwIiTrP2ymToGXQt0IkNsukjuv_eBQ/viewform>

and the data transfer to non-UOA clients will be done through an external hard disc provided by the client.

**Points to be considered:**

* Difference between data transfer through Ion Reporter account vs UOA network or external hard drive. You can organise your free 1TB cloud based Ion Reporter account through the ThermoFisher website.
* Important data files: fastq (Illumina data) and BAM (Ion Torrent data). Publications may require fastq/BAM files on a central NCBI-SRA database.
* Ion torrent raw data will be required only for the reanalysis of data or for the re-alignment of the sequence to a new reference file. This is not a common practice, however, if you decide to store the raw data, please consider the data storage requirement (see the “Estimated raw data size” above).

**Please, select the type of data to be transferred to you:**

|  |  |  |
| --- | --- | --- |
| Ion Torrent Data share through Ion Reporter cloud (BAM and VCF) | Yes/ No | Helpful |
| Ion Torrent Output data (BAM, VCF, FASTQ) download | Yes/ No | Important |
| Ion Torrent Raw data (signal processing, base calling input) | Yes/ No | As per your requirement |
| Illumina (FASTQ only) | Yes/ No | Important |
| Illumina (FASTQ/ BAM/ VCF) | Yes/ No | Reccomended |
| MassArray (.csv or .xml files) | Yes/ No | Important |
| Nanostring (QC’d data .csv files) | Yes/ No | Important |

Notes:

CLIENT’S NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CLIENT’S SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GCG staff NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GCG staff SIGNATURE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_