CGAC

How should I provide my sample?

- WGS:
  - 2ug of gDNA in 50ul 10mM Tris (8.0) or water.
  - DNA concentration MUST be determined by Qubit
  - DQN/DIN value greater than 7.5. If the Genome Center must perform the DQN/DIN analysis, please provide 2.1ug in 55ul. (The cost for this DQN analysis in 10CHF per sample)
  - Please provide 260/280 and 260/230 ratios. If the Genome Center must perform the ratio analysis, please provide 2.1 ug in 55ul. (The cost for this analysis in 10CHF per sample.)
- WES:
  - 500ng of gDNA in 50ul 10mM Tris (8.0) or water
  - DNA concentration MUST be determined by Qubit.
  - DQN/DIN value greater than 8. If the Genome Center must perform the DQN/DIN analysis, please provide 600ng in 60ul. (The cost for this DQN analysis in 10CHF per sample)
  - Please provide 260/280 and 260/230 ratios. If the Genome Center must perform the ratio analysis, please provide 600ng in 60ul. (The cost for this analysis in 10CHF per sample.)
- RNA-seq:
  - 500ng of total RNA in 50ul water or 10mM Tris (8.0)
  - RNA concentration MUST be determined by Qubit
  - RQN/RIN value greater than 7. If the Genome Center must perform this analysis, please provide 600ng in 60ul. (The cost for this analysis in 10CHF per sample)
  - Please provide 260/280 and 260/230 ratios. If the Genome Center must perform this analysis, please provide 600ng in 60ul. (The cost for this analysis in 10CHF per sample)

    Provide the nucleic acid samples in a 96-well plate – DO NOT PROVIDE THE gDNAs IN INDIVIDUAL TUBES. Load the plate by column – A1, B1, C1, D1…..H1, A2, B2, C2 etc., not by row.

    When naming samples, **use ONLY upper- and lower-case English letters from "a" to "z", numbers from 0 to 9 and the special character "_" (underscore)**. If you put other characters, you will be asked to reformat your sample names.

- Proteotyping:
  - Please provide frozen cell pellets of ~1e6 cells (or alternatively ~100 µg protein) stored at -80 °C in 1.5 ml Eppendorf tubes. Prior to freezing, cells pellets **have to be washed at least 2-3times with PBS** to reduce contaminating proteins. The washing protocol might have to be adjusted according to sample preparation and expected sample contaminations.

Sample Quality

- See above for genomic samples
- For protein samples make sure that your cells were not apoptotic before freezing and did not go through freezing/thawing cycles

Sample Submission

- RNA samples should be shipped to the Genome Center on dry ice; gDNA samples are sequencing libraries should be shipped on -20 °C freezer packs.
- Pellets for protein extraction should be sent on dry ice.