

# Challenge 2 Overview

Samples



H1\_mix = undisclosed  
mix of H1 and endodermal cell

Human  
WTC11  
+ SIRV4

Human  
H1\_mix  
+ SIRV4

Human  
H1  
+ SIRV4

Human  
endodermal cell  
+ SIRV4



human\_simulation

mouse\_simulation

Library prep  
+ sequencing

cDNA

cDNA

dRNA

R2C2

CapTrap

cDNA

CapTrap

Illumina HiSeq



ONT minION



PacBio Sequel

Reads available through ENCODE DCC and Synapse in May 2021  
H1 and endodermal cell data released October 1, 2021

Challenge submission

**Participants**  
**select**  
**submission**  
**entry type**

Select  
data category  
Long-only  
Short-only  
Long and short  
Freestyle

Select  
library prep  
cDNA  
R2C2  
CapTrap  
dRNA

Select  
sequencing platform  
Illumina  
ONT  
PacBio

H1 and endodermal cell  
analyzed after initial entry  
submission deadline

Participant's analysis pipeline

Must use identical pipeline  
used for H1\_mix

Participants upload initial entry to Synapse by Oct 8, 2021 deadline

Participants upload  
final entry to Synapse  
after Oct 8, 2021

**LRGASP Entry**

Human  
WTC11  
+ SIRV4

expression.tsv.gz  
models.gtf.gz

Human  
H1\_mix  
+ SIRV4

expression.tsv.gz  
models.gtf.gz

human\_simulation

expression.tsv.gz  
models.gtf.gz

mouse\_simulation

expression.tsv.gz  
models.gtf.gz

**Final**  
**LRGASP Entry**

Human  
H1  
+ SIRV4

expression.tsv.gz  
models.gtf.gz

Human  
endodermal cell  
+ SIRV4

expression.tsv.gz  
models.gtf.gz