

Group assignments:

Groups 1, 2 & 3 will be examining data from a study called “*Plasmodium berghei* transcriptome for female gametocytes, male gametocytes, and asexual erythrocytic stages”

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5604118/>

The data is available in the sequence repositories:

<https://www.ebi.ac.uk/ena/data/view/PRJNA374918>

Group Number	1	
Comparison	Erythrocyte stages vs. Male gametocytes	
Sample	Erythrocyte stages (Asexual)	Male gametocytes
Sample Accession Numbers	SAMN06339669 SAMN06339670 SAMN06339671	SAMN06339666 SAMN06339667 SAMN06339668
Ref genome in Galaxy	PlasmoDB-51_PbergheiANKA_Genome	

Group Number	2	
Comparison	Erythrocyte stages vs. Female gametocytes	
Sample	Erythrocyte stages (Asexual)	Female gametocytes
Sample Accession Numbers	SAMN06339669 SAMN06339670 SAMN06339671	SAMN06339663 SAMN06339664 SAMN06339665
Ref genome in Galaxy	PlasmoDB-51_PbergheiANKA_Genome	

Group Number	3	
Comparison	Male gametocytes vs. Female gametocytes	
Sample	Male gametocytes	Female gametocytes
Sample Accession Numbers	SAMN06339666 SAMN06339667 SAMN06339668	SAMN06339663 SAMN06339664 SAMN06339665
Ref genome in Galaxy	PlasmoDB-51_PbergheiANKA_Genome	

Groups 4 will be examining the transcriptome of *Aspergillus fumigatus* incubated in human blood from a study called “*Aspergillus fumigatus* in blood reveals a “just wait and see” resting stage behavior”

<https://pubmed.ncbi.nlm.nih.gov/26311470/>

The data is available in the sequence repositories:

<https://www.ebi.ac.uk/ena/browser/view/PRJNA287921>

Group Number	4	
Comparison	PreBlood vs. PostBlood	
Sample	Pre-culture media (pre)	Blood media 180 min (B180)
Sample Accession Numbers	SAMN03792073 SAMN03792081	SAMN03792075 SAMN03792076
Ref genome in Galaxy	FungiDB-29_AfumigatusAf293	

Groups 5 will be examining data from a study that examined *Aspergillus niger* grown on two different carbon sources (Glucose or Wheat). This study is accessible in the sequence repositories:

<https://www.ncbi.nlm.nih.gov/bioproject/1067358>

Group Number	6	
Comparison	Wheat vs. Glucose	
Sample	Wheat	Glucose
Sample Accession Numbers	SAMN39524629 SAMN39524628 SAMN39524627	SAMN39524626 SAMN39524625 SAMN39524624
Ref genome in Galaxy	FungiDB-29_AnigerCBS513-88_Genome	

Groups 6 will be examining *Cryptosporidium parvum* data from two studies from the same lab. One study included female gamete samples and the second study include males. The goal is to compare the males to females. This data is accessible in the sequence repositories: **!!!This dataset is single ended!!!**

<https://www.ncbi.nlm.nih.gov/bioproject/530692>

<https://www.ncbi.nlm.nih.gov/bioproject/971984>

Group Number	6	
Comparison	Female gametes vs. Male Gametes	
Sample	Female stages	Male stages
Sample Accession Numbers	SAMN11322271 SAMN11322272 SAMN11322273 SAMN11322274	SAMN35066111 SAMN35066112 SAMN35066113 SAMN35066114
Ref genome in Galaxy	CryptoDB-37_Cparvumlowall_Genome	