

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, 5 & 6 will be examining data from a study called “*Plasmodium falciparum* NF54 Transcriptome” which examines RNAseq from 3 stages: erythrocytic, salivary gland and cultured sporozoite stages. This study is unpublished but data is accessible in the sequence repositories:

<https://www.ebi.ac.uk/ena/data/view/PRJNA230379>

Group Number	4	
Comparison	Erythrocyte stages vs. Salivary gland sporozoites	
Sample	Erythrocyte stages (Asexual)	Salivary gland sporozoites
Sample Accession Numbers	SAMN02428730 SAMN02428734	SAMN02428726 SAMN02428729
Ref genome in Galaxy	PlasmoDB-51_Pfalciparum3D7_Genome	

Group Number	5	
Comparison	Erythrocyte stages vs. Cultured sporozoites	
Sample	Erythrocyte stages (Asexual)	Cultured sporozoites
Sample Accession Numbers	SAMN02428730 SAMN02428734	SAMN02428728 SAMN02428727
Ref genome in Galaxy	PlasmoDB-51_Pfalciparum3D7_Genome	

Group Number	6	
Comparison	Salivary gland sporozoites vs. Cultured sporozoites	
Sample	Salivary gland sporozoites	Cultured sporozoites
Sample Accession Numbers	SAMN02428726 SAMN02428729	SAMN02428728 SAMN02428727
Ref genome in Galaxy	PlasmoDB-51_Pfalciparum3D7_Genome	