

Group assignments:

Group 1 will compare mosquitos fed with blood infected with Wild type of CSP mutant strains of *Plasmodium*.

The data is available in the sequence repositories:

<https://www.ncbi.nlm.nih.gov/bioproject/PRJNA734759>

Group Number	1	
Comparison	CSP Wt vs. CSP mutant	
Sample	CSP WT	CSP mutant
Sample Accession Numbers	SAMN19523149	SAMN19523147
	SAMN19523148	SAMN19523146
Reference genome in Galaxy	VectorBase-49_AstephensiSDA-500_Genome	

Groups 2 & 3 will compare samples from ticks infected with *B. burgdorferi* during adiponectin receptor silencing.

The data is available in the sequence repositories:

<https://www.ncbi.nlm.nih.gov/bioproject/PRJNA716187>

Group Number	2		3	
Comparison	Uninfected Wt vs Silenced		Infected Wt vs Silenced	
Sample	WT	Silenced	WT	Silenced
Sample Accession Numbers	SAMN18397200	SAMN18397197	SAMN18397194	SAMN18397189
	SAMN18397199	SAMN18397196	SAMN18397193	SAMN18397192
	SAMN18397198	SAMN18397195	SAMN18397190	SAMN18397191
Ref genome in Galaxy	VectorBase-49_IscapularisWikel_Genome			

Groups 4 & 5 will examine insecticide resistant and susceptible strains of *Anopheles coluzzii*. The resistant strains are either original field isolates or reselected resistance after loss of resistance (susceptible).

The data is available in the sequence repositories:

<https://www.ncbi.nlm.nih.gov/bioproject/750256>

Group Number	4		5	
Comparison	Susceptible vs Original		Susceptible vs Reselected	
Sample	Susceptible	Original	Susceptible	Reselected
Sample Accession Numbers	SAMN20447309	SAMN20447313	SAMN20447309	SAMN20447305
	SAMN20447310	SAMN20447314	SAMN20447310	SAMN20447306
	SAMN20447311	SAMN20447315	SAMN20447311	SAMN20447307
	SAMN20447312	SAMN20447316	SAMN20447312	SAMN20447308
Ref genome in Galaxy	VectorBase-55_AcoluzziiNgousso_Genome			

Group 6 will be examining data from a study called “RNAseq from adult male and female *Anopheles stephensi*” We will compare the male to the female samples.

The data is available in the sequence repositories:

<https://www.ncbi.nlm.nih.gov/bioproject/277477>

Group Number	1	
Comparison	Male vs. Female	
Sample	Male	Female
Sample Accession Numbers	SAMN03393017	SAMN03393049
	SAMN03393047	SAMN03393050
	SAMN03393048	SAMN03393051
Reference genome in Galaxy	VectorBase-49_AstephensiSDA-500_Genome	