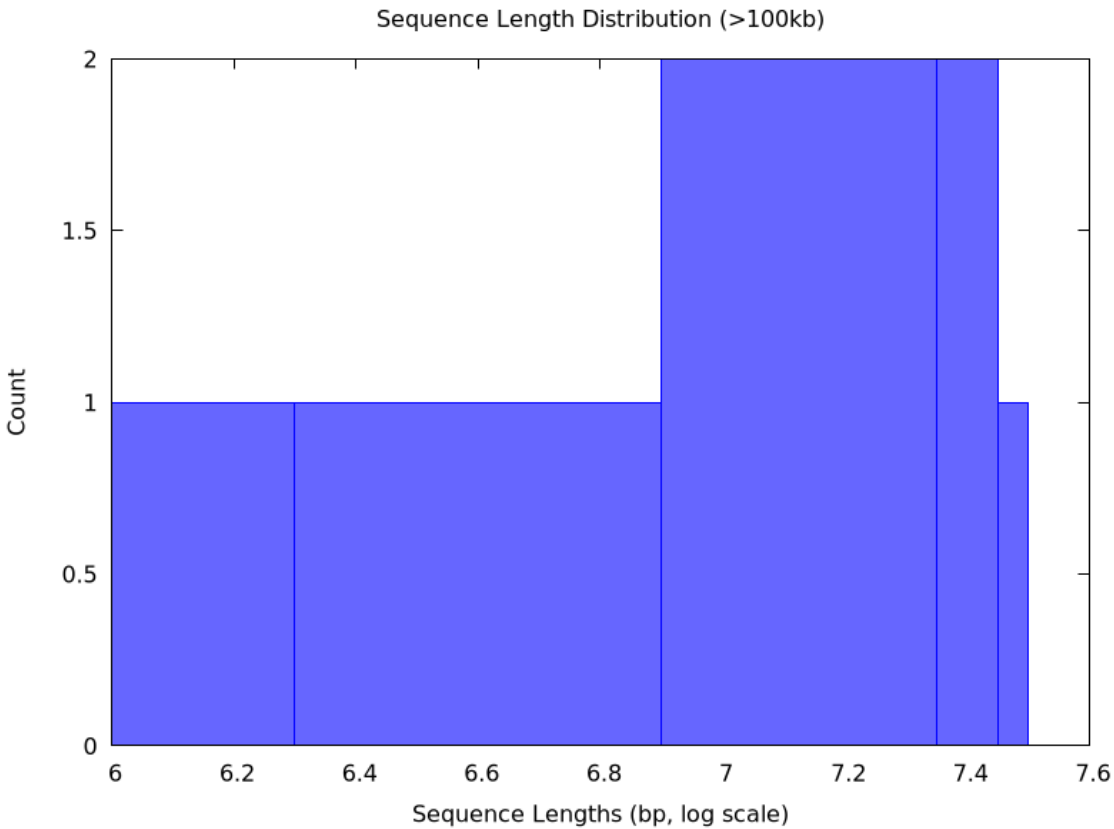
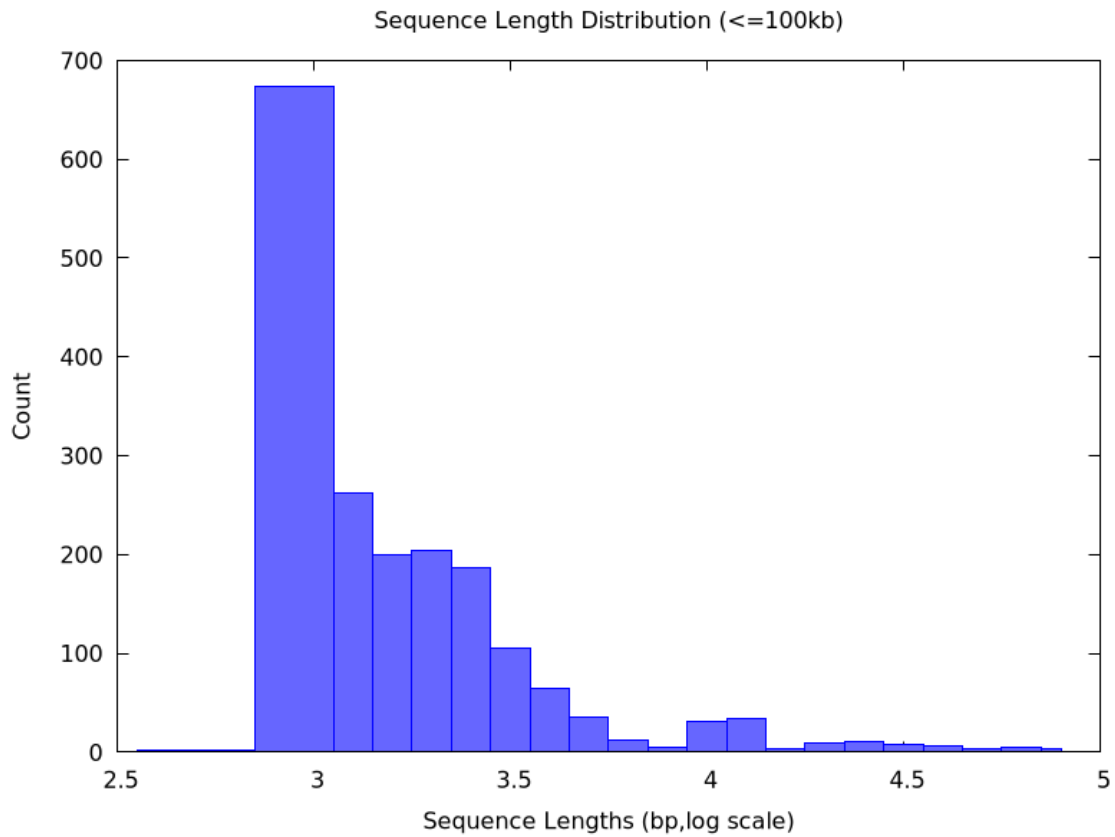


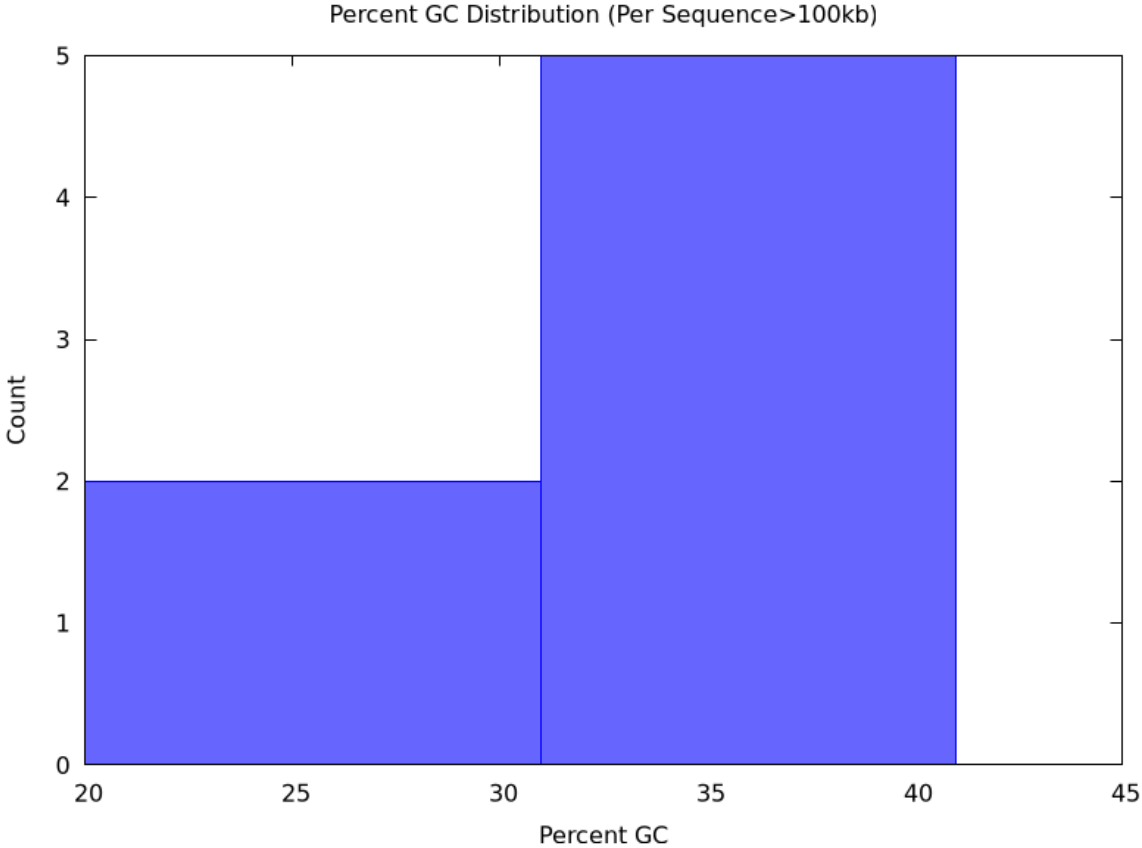
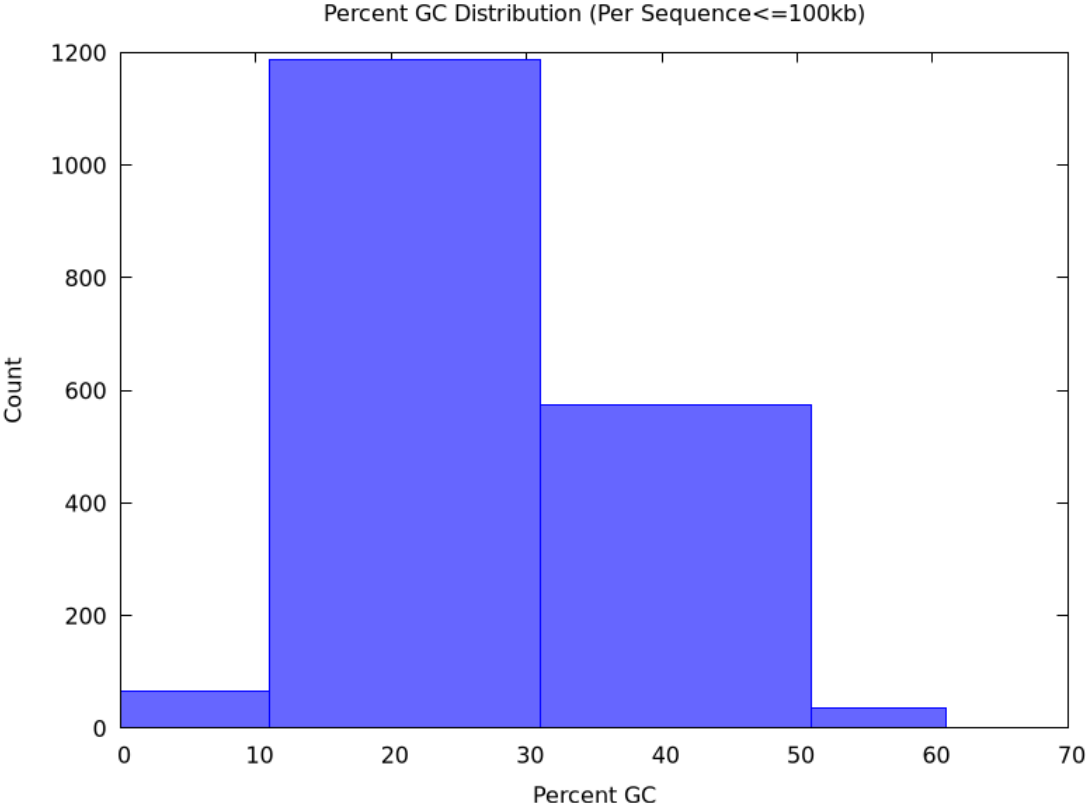
EE282 HW#4 Figures

Bobby Sims

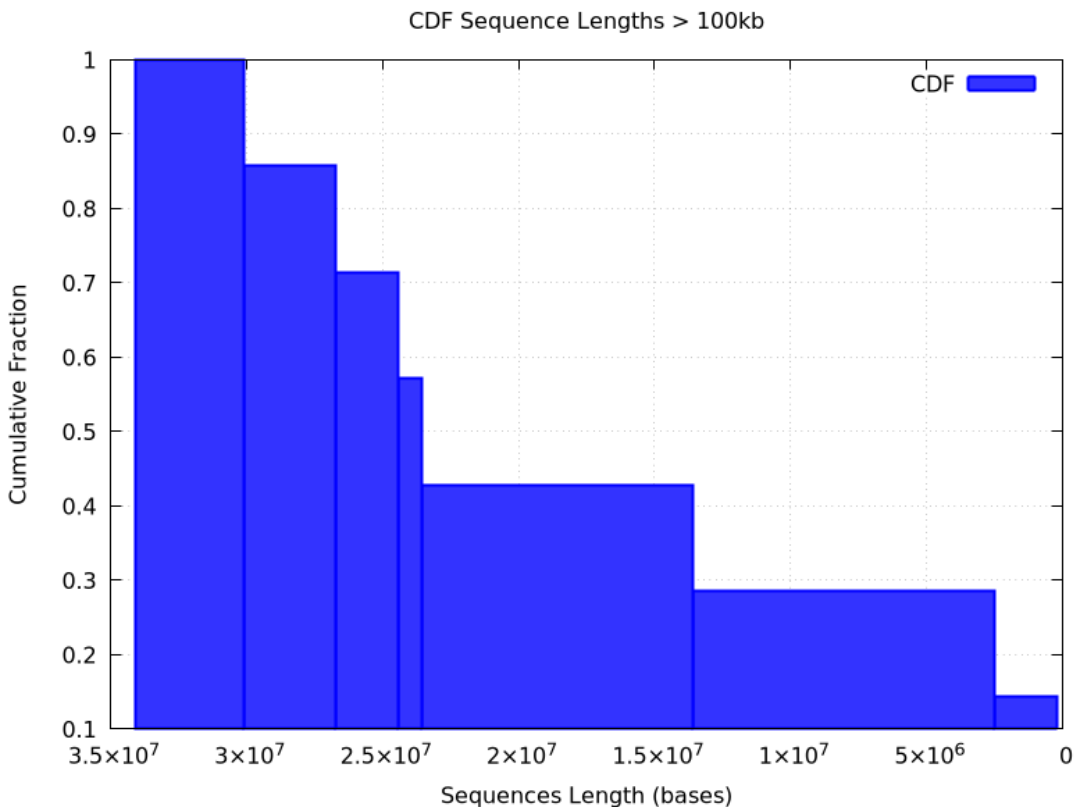
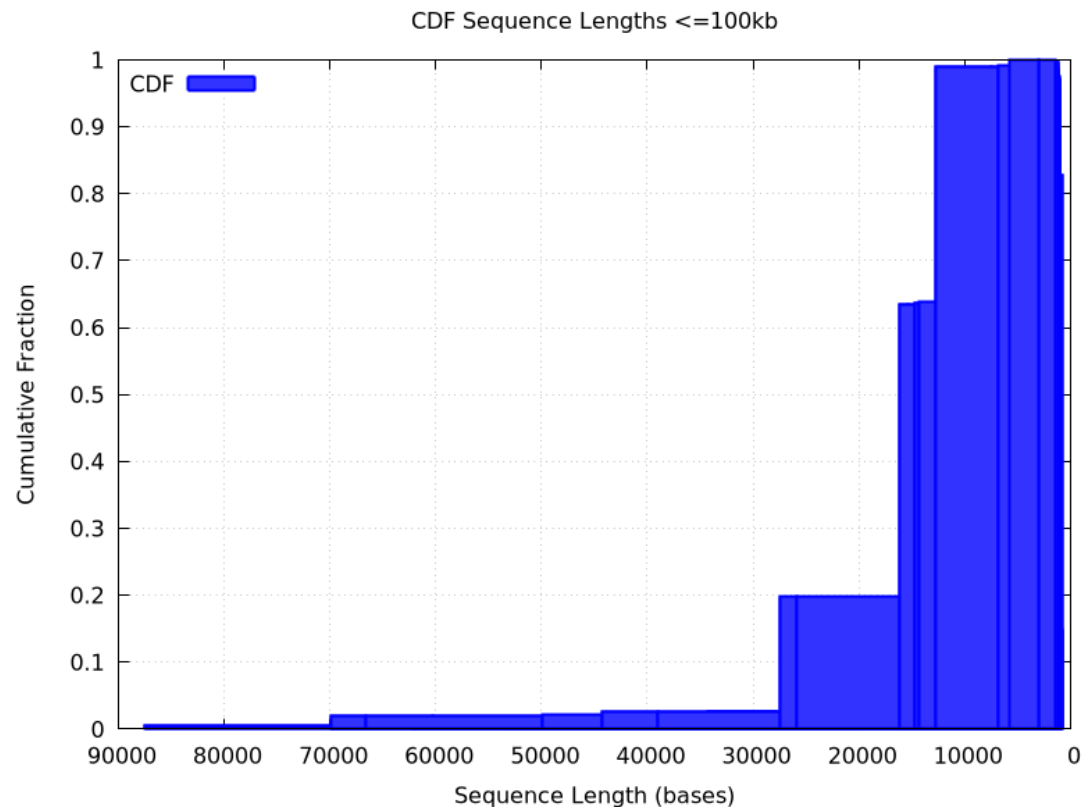
For D.Melanogaster file dmel-all-chromosome-r6.64.fasta:
Sequence Length Distribution



For D.Melanogaster file dmel-all-chromosome-r6.64.fasta:
Percent GC% Content Distribution



For D.Melanogaster file dmel-all-chromosome-r6.64.fasta:
Cumulative Sequence Length Distribution



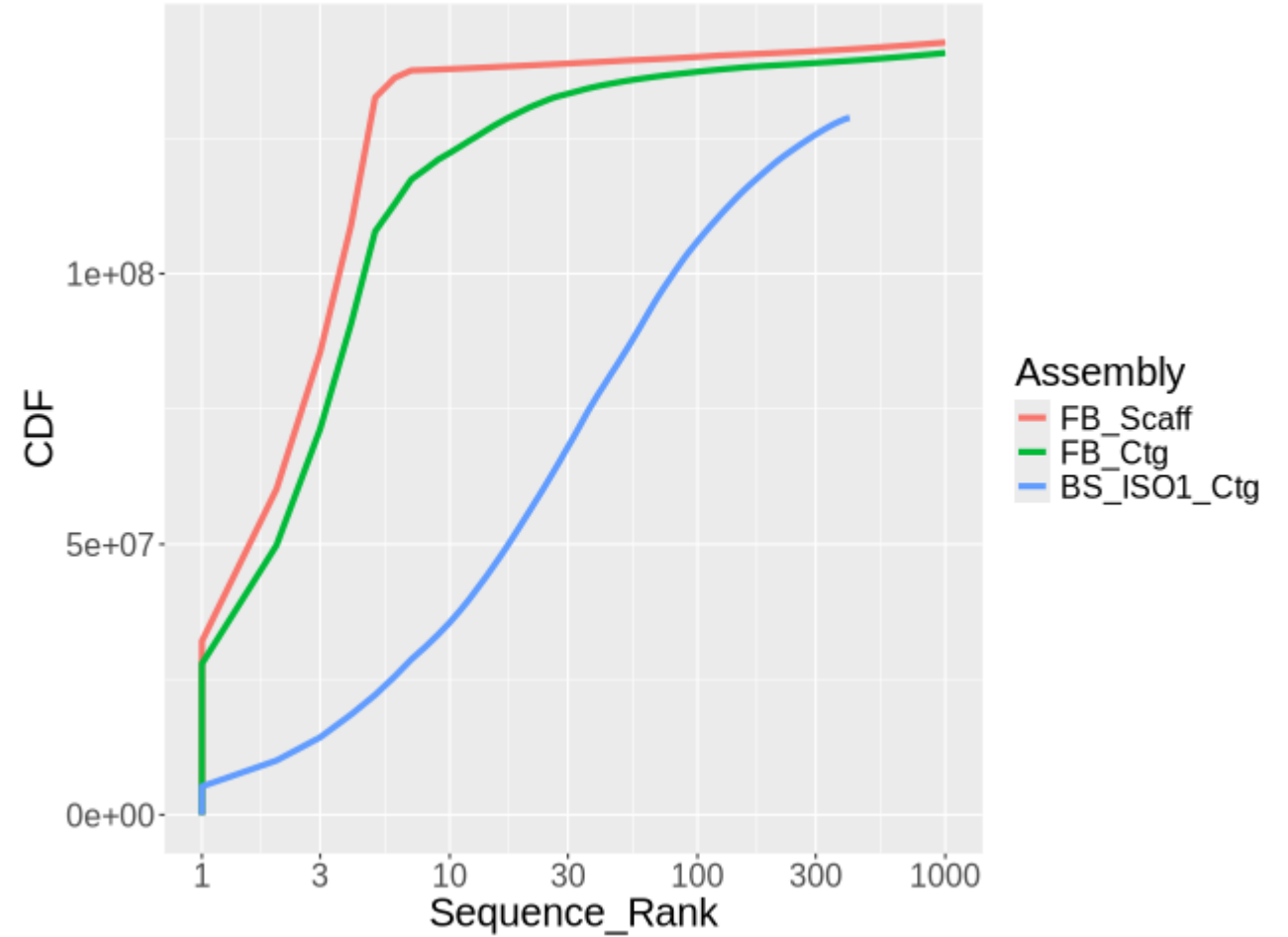
Contiguity Plot

Compare fidelity of new assembly with r6_ISO1_MT:

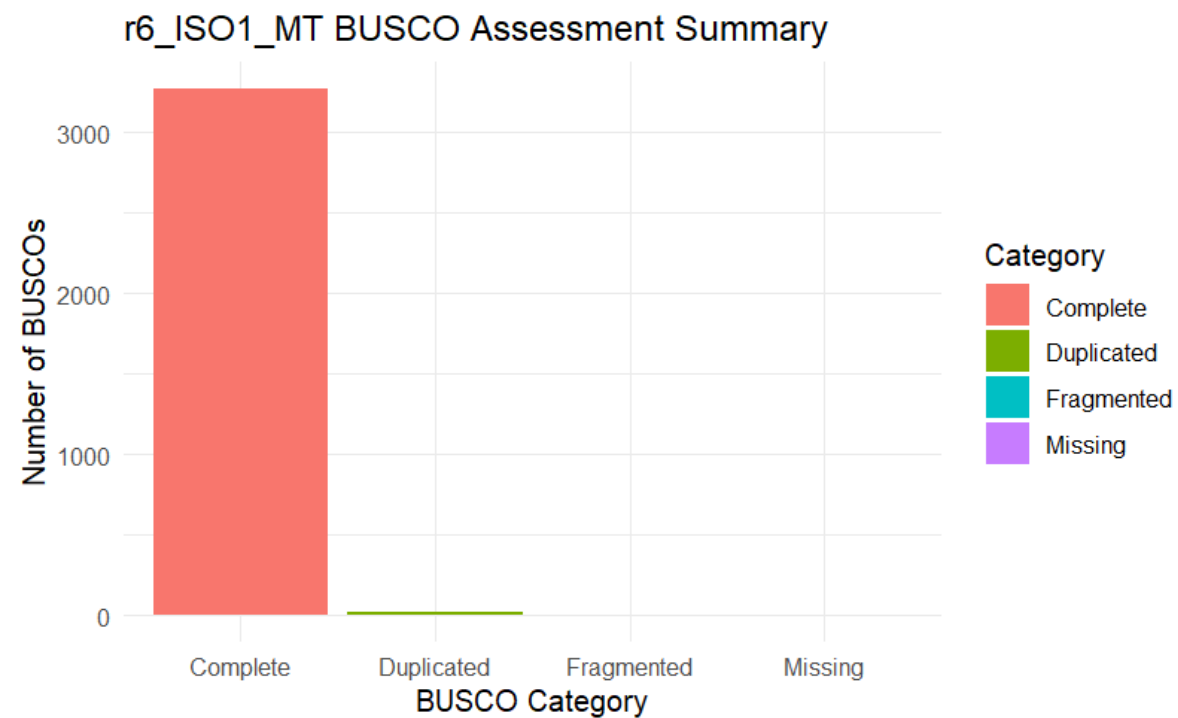
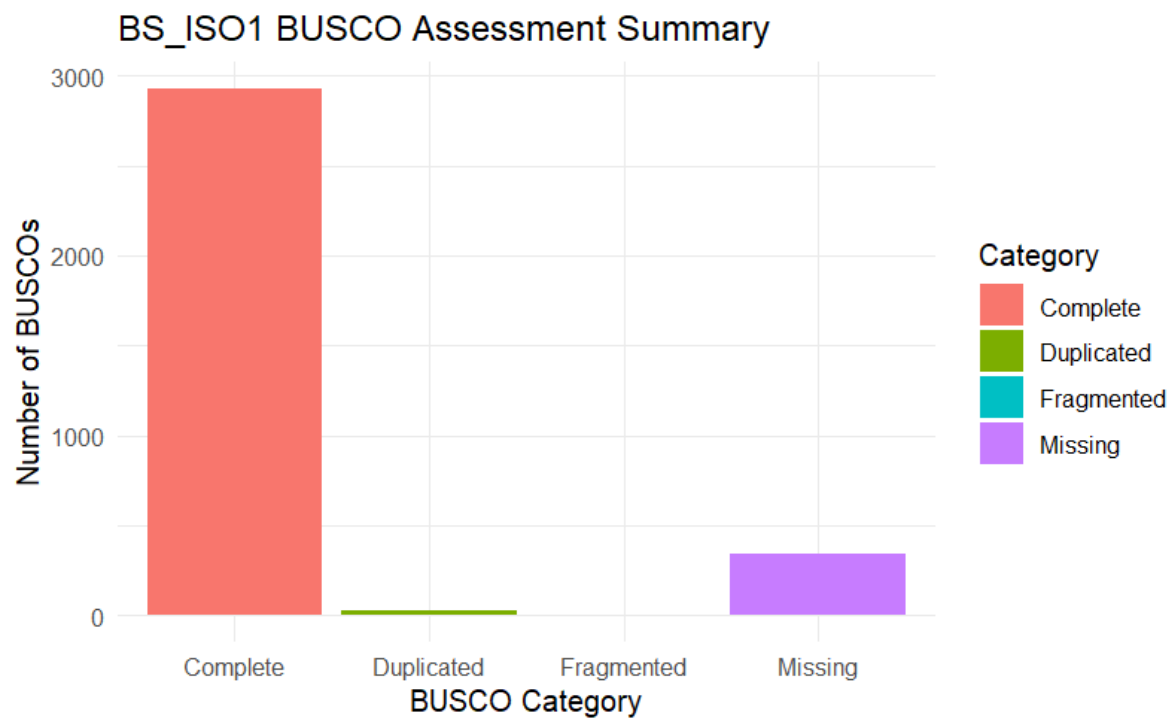
r6_ISO1_MT Scaffold as FB_Scaff

r6_ISO1_MT Contigs as FB_Ctg

ISO1_assembly Contigs as BS_ISO1_Ctg

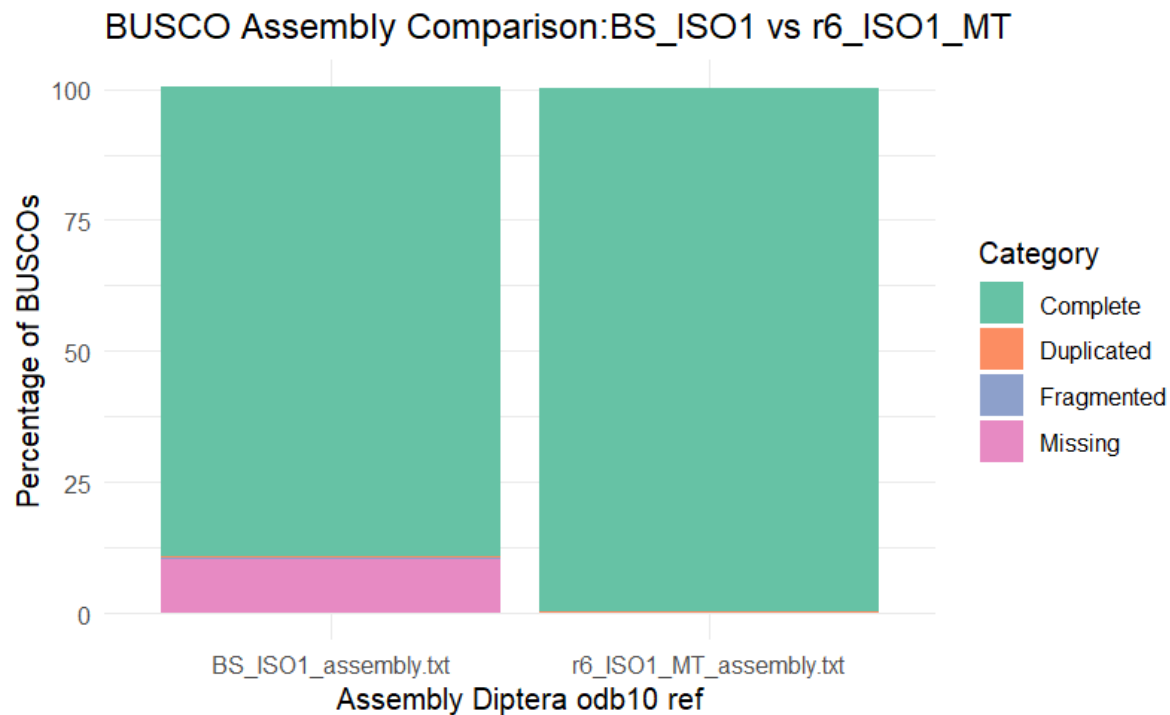


BUSCO Assessment



BUSCO Assessment

Combined



Assembly	Category	Percent
BS_ISO1_assembly.txt	Complete	89.6
BS_ISO1_assembly.txt	Duplicated	0.4
BS_ISO1_assembly.txt	Fragmented	0.2
BS_ISO1_assembly.txt	Missing	10.3
r6_ISO1_MT_assembly.txt	Complete	99.9
r6_ISO1_MT_assembly.txt	Duplicated	0.3
r6_ISO1_MT_assembly.txt	Fragmented	0.0
r6_ISO1_MT_assembly.txt	Missing	0.1