Dataset	Assembly Comparison	Asssembler	Assembly Content Similarity	Coverage of Reference Genomes	Unfiltered Total No. Contigs / Assembly Length (bp) / Max contig size (bp)	Filtered Total No. Contigs / Assembly Length (bp) / Max contig size (bp)
HMP Mock	Unfiltered/ Filtered	Velvet	94%	42.6 / 43.7	29,063 / 37,776,354 / 146,795	30,082 / 35,197,810 / 90,497
HMP Mock	Unfiltered / Filtered Partitioned	Vevlet	94%	42.6 / 43.7	29,063 / 37,776,354 / 146,795	30,115 / 35,189,649 / 90,497
HMP Mock	Unfiltered / Filtered Partitioned	MetaIDBA	93%	45.6 / 44.6	24,300 / 36,470,912 / 86,445	27,475 / 35,879,687 / 96,041
HMP Mock	Unfiltered / Filtered Partitioned	SOAPdenovo	97%	45.4 / 45.6	36,689 / 36,568,753 / 32,736	29,295 / 36,820,492 / 58,598
Iowa Corn	-	Velvet	-	-	N/A	1,862,962 / 911,843,442 / 20,234
Iowa Corn	-	MetaIDBA	-	-	N/A	1,334,841 / 622,599,784 / 15,013
Iowa Corn	-	SOAPdenovo	-	-	N/A	1,542,436 / 674,681,275 / 15,075
Iowa Prairie	-	Velvet	-	-	N/A	3,120,263 / 1,510,162,556 / 9,397
Iowa Prairie	-	MetaIDBA	-	-	N/A	2,102,163 / 998,464,084 / 7,206
Iowa Prairie	-	SOAPdenovo	-	-	N/A	2,599,767 / 1,144,769,649 / 5,423