Commands used during the assembly-

1. samtools faidx chr1_157501126.fasta gil157501126lgblCM000462.1l: 1-14072

2. samtools faidx chr1_206583740.fasta gil206583740lgblCM000491.1l: 1-14072

3. art_illumina -ss HS25 -sam -i chr1_15new.fa -l 100 -f 5 -m 500 -s 5 -o chr1_15

4. art_illumina -ss HS25 -sam -i chr1_20new.fa -l 100 -f 5 -m 500 -s 5 -o chr1_20

5. art_illumina -ss HS25 -sam -i chr1_15new.fa -l 100 -f 5 -m 3000 -s 5 -o chr1_15_3000

6. art_illumina -ss HS25 -sam -i chr1_20new.fa -l 100 -f 5 -m 3000 -s 5 -o chr1_20_3000

7. cat /usr/home/a/125/tug85760/ass4/500datasetnew/chr1_151.fq chr1__201.fq > chr151_201_500.fq

8. cat /usr/home/a/125/tug85760/ass4/500datasetnew/chr1_152.fq chr1_202.fq > chr152_202_500.fq

9. cat /usr/home/a/125/tug85760/ass4/500datasetnew/chr1_151.fq chr1_20_30001.fq > chr15_500_20_3000_1.fq

10. cat /usr/home/a/125/tug85760/ass4/500datasetnew/chr1_152.fq chr1_20_30002.fq > chr15_500_20_3000_2.fq

11. cat /usr/home/a/125/tug85760/ass4/500datasetnew/chr1_201.fq chr1__30001.fq > chr20_500_15_3000_1.fq

12. tug85760@bioinform:~/ass4$ cat /usr/home/a/125/tug85760/ ass4/500datasetnew/chr1_202.fq chr1_15_30002.fq > chr20_500_15_3000_2.fq

13. velveth 21 21 -shortPaired -fastq -separate chr1_51_52.fq chr1_152_202.fq

14. velveth 31 31 -shortPaired -fastq -separate chr1_51_52.fq chr1_152_202.fq

15. velveth 41 41 -shortPaired -fastq -separate chr1_51_52.fq chr1_152_202.fq

16. velveth 51 51 -shortPaired -fastq -separate chr1_51_52.fq chr1_152_202.fq

17. velveth 21_3000 21 -fastq -short2 -shortPaired2 -separate chr20_500_15_3000_1.fq chr20_500_15_3000_2.fq

18. velveth 31_3000 31 -fastq -short2 -shortPaired2 -separate chr20_500_15_3000_1.fq chr20_500_15_3000_2.fq

19. velveth 41_3000 41 -fastq -short2 -shortPaired2 -separate chr20_500_15_3000_1.fq chr20_500_15_3000_2.fq
20. velveth 51_3000 51 -fastq -short2 -shortPaired2 -separate chr20_500_15_3000_1.fq chr20_500_15_3000_2.fq
21. velvetg 21
22. velvetg 31
23. velvetg 41
24. velvetg 51
25. velvetg 21_3000
26. velvetg 31_3000
27. velvetg 41_3000
28. velvetg 51_3000