

NGMASTER – in silico Multi-Antigen Sequence Typing for *Neisseria gonorrhoeae*

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Appendix

Appendix 1: List of commands and parameters used

RAW SEQUENCE TRIMMING AND ADAPTER CLIPPING

For paired-end 150 and 300 bp reads:

```
$ trimmomatic PE -phred33 R1.fastq.gz R2.fastq.gz clipped_R1.fq.gz  
/dev/null clipped_R2.fq.gz /dev/null ILLUMINACLIP:NexteraPE-PE.fa:1:30:11  
LEADING:20 TRAILING:20
```

For paired-end 100 bp reads:

```
$ trimmomatic PE -phred33 R1.fastq.gz R2.fastq.gz clipped_R1.fq.gz  
/dev/null clipped_R2.fq.gz /dev/null ILLUMINACLIP:TruSeq2-PE.fa:1:30:11  
LEADING:20 TRAILING:20
```

GENOME ASSEMBLY

MEGAHIT:

```
$ megahit --out-dir megahit -1 clipped_R1.fq.gz -2 clipped_R2.fq.gz  
--min-contig-len 500 --presets bulk
```

SPAdes:

```
$ spades.py -o spades --careful -k 21,33,55,77,87,97,107,117,127  
--tmp-dir /tmp -1 clipped_R1.fq.gz -2 clipped_R2.fq.gz
```

SPAdes with repeat resolution disabled:

```
$ spades.py -o spades --careful --disable-rr  
-k 21,33,55,77,87,97,107,117,127 --tmp-dir /tmp  
-1 clipped_R1.fq.gz -2 clipped_R2.fq.gz
```

REMAPPING READS BACK TO DRAFT ASSEMBLY

(see <https://github.com/tseemann/snippy>)

```
$ snippy --outdir sample --ref sample_spades.fa  
--R1 sample_clipped_R1.fq.gz --R2 sample_clipped_R2.fq.gz
```

NGMASTER

```
$ ngmaster *.fa > results.txt
```

Run_Accession	STUDY	NG-MAST	por	tpbB	Megahit_ID	NG-MAST	POR	TBPB	MEGAHIT_Comments	SPAdes_ID	NG-MAST	POR	TBPB	SPAdes_Comments	Spades_before_rr_ID	NG-MAST	POR	TBPB
ERR191730	PRJEB2999	1407	908	110	ERR191730_megahit.fa	1407	908	110		ERR191730_spades.fa	1407	908	110		ERR191730_before_rr.fa	1407	908	110
ERR191731	PRJEB2999	6712	1582	4	ERR191731_megahit.fa	6712	1582	4		ERR191731_spades.fa	6712	1582	4		ERR191731_before_rr.fa	6712	1582	4
ERR191732	PRJEB2999	1407	908	110	ERR191732_megahit.fa	1407	908	110		ERR191732_spades.fa	1407	908	110		ERR191732_before_rr.fa	1407	908	110
ERR191733	PRJEB2999	Unknown	99%_Allele3745	4	ERR191733_megahit.fa	-	new	4	new	ERR191733_spades.fa	-	new	4	new	ERR191733_before_rr.fa	-	new	4
ERR191734	PRJEB2999	Unknown	99%_Allele3013	110	ERR191734_megahit.fa	-	new	110	new	ERR191734_spades.fa	-	new	110	new	ERR191734_before_rr.fa	-	new	110
ERR191735	PRJEB2999	2265	1417	4	ERR191735_megahit.fa	2265	1417	4		ERR191735_spades.fa	2265	1417	4		ERR191735_before_rr.fa	2265	1417	4
ERR191736	PRJEB2999	4986	3025	110	ERR191736_megahit.fa	4986	3025	110		ERR191736_spades.fa	4986	3025	110		ERR191736_before_rr.fa	4986	3025	110
ERR191737	PRJEB2999	New	3403	743	ERR191737_megahit.fa	-	3403	743	unassigned	ERR191737_spades.fa	-	3403	743	unassigned	ERR191737_before_rr.fa	-	3403	743
ERR191738	PRJEB2999	359	301	29	ERR191738_megahit.fa	359	301	29		ERR191738_spades.fa	359	301	29		ERR191738_before_rr.fa	359	301	29
ERR191739	PRJEB2999	Unknown	99%_Allele1986	29	ERR191739_megahit.fa	-	new	29	new	ERR191739_spades.fa	-	new	29	new	ERR191739_before_rr.fa	-	new	29
ERR191740	PRJEB2999	860	586	25	ERR191740_megahit.fa	-	586	25	missing	ERR191740_spades.fa	-	860	25	new	ERR191740_before_rr.fa	-	860	25
ERR191741	PRJEB2999	Unknown	97%_Allele3680	96%_Allele1456	ERR191741_megahit.fa	-	new	new	new	ERR191741_spades.fa	-	new	new	new	ERR191741_before_rr.fa	-	new	new
ERR191746	PRJEB2999	1407	908	110	ERR191746_megahit.fa	1407	908	110		ERR191746_spades.fa	1407	908	110		ERR191746_before_rr.fa	1407	908	110
ERR191747	PRJEB2999	2992	1808	29	ERR191747_megahit.fa	2992	1808	29		ERR191747_spades.fa	2992	1808	29		ERR191747_before_rr.fa	2992	1808	29
ERR191748	PRJEB2999	1407	908	110	ERR191748_megahit.fa	1407	908	110		ERR191748_spades.fa	1407	908	110		ERR191748_before_rr.fa	1407	908	110
ERR191749	PRJEB2999	286	105	21	ERR191749_megahit.fa	286	105	21		ERR191749_spades.fa	286	105	21		ERR191749_before_rr.fa	286	105	21
ERR191750	PRJEB2999	1407	908	110	ERR191750_megahit.fa	1407	908	110		ERR191750_spades.fa	1407	908	110		ERR191750_before_rr.fa	1407	908	110
ERR191751	PRJEB2999	225	4	4	ERR191751_megahit.fa	multiple	4	4/29	multiple	ERR191751_spades.fa	225	4	4		ERR191751_before_rr.fa	225	4	4
ERR191752	PRJEB2999	1405	543	110	ERR191752_megahit.fa	1405	543	110		ERR191752_spades.fa	1405	543	110		ERR191752_before_rr.fa	1405	543	110
ERR191753	PRJEB2999	1405	543	110	ERR191753_megahit.fa	1405	543	110		ERR191753_spades.fa	1405	543	110		ERR191753_before_rr.fa	1405	543	110
ERR191754	PRJEB2999	1407	908	110	ERR191754_megahit.fa	1407	908	110		ERR191754_spades.fa	1407	908	110		ERR191754_before_rr.fa	1407	908	110
ERR191755	PRJEB2999	Unknown	99%_Allele223	5	ERR191755_megahit.fa	-	new	5	new	ERR191755_spades.fa	-	new	5	new	ERR191755_before_rr.fa	-	new	5
ERR191756	PRJEB2999	1407	908	110	ERR191756_megahit.fa	1407	908	110	new	ERR191756_spades.fa	1407	908	110	new	ERR191756_before_rr.fa	1407	908	110
ERR191757	PRJEB2999	1407	908	110	ERR191757_megahit.fa	1407	908	110		ERR191757_spades.fa	1407	908	110		ERR191757_before_rr.fa	1407	908	110
ERR191758	PRJEB2999	1407	908	110	ERR191758_megahit.fa	1407	908	110		ERR191758_spades.fa	1407	908	110		ERR191758_before_rr.fa	1407	908	110
ERR191759	PRJEB2999	1407	908	110	ERR191759_megahit.fa	1407	908	110		ERR191759_spades.fa	1407	908	110		ERR191759_before_rr.fa	1407	908	110
ERR191760	PRJEB2999	1407	908	110	ERR191760_megahit.fa	1407	908	110		ERR191760_spades.fa	1407	908	110		ERR191760_before_rr.fa	1407	908	110
ERR191761	PRJEB2999	New	2329	4	ERR191761_megahit.fa	9164	2329	4	recently assigned	ERR191761_spades.fa	9164	2329	4	recently assigned	ERR191761_before_rr.fa	9164	2329	4
ERR191762	PRJEB2999	2212	1388	110	ERR191762_megahit.fa	2212	1388	110		ERR191762_spades.fa	2212	1388	110		ERR191762_before_rr.fa	2212	1388	110
ERR191763	PRJEB2999	7155	3522	29	ERR191763_megahit.fa	7155	3522	29		ERR191763_spades.fa	7155	3522	29		ERR191763_before_rr.fa	7155	3522	29
ERR191764	PRJEB2999	Unknown	99%_Allele1914	110	ERR191764_megahit.fa	-	new	110	new	ERR191764_spades.fa	-	new	110	new	ERR191764_before_rr.fa	-	new	110
ERR191765	PRJEB2999	New	1678	1169	ERR191765_megahit.fa	-	1678	1169	unassigned	ERR191765_spades.fa	-	1678	1169	unassigned	ERR191765_before_rr.fa	-	1678	1169
ERR191766	PRJEB2999	1407	908	110	ERR191766_megahit.fa	1407	908	110		ERR191766_spades.fa	1407	908	110		ERR191766_before_rr.fa	1407	908	110
ERR191767	PRJEB2999	2992	1808	29	ERR191767_megahit.fa	2992	1808	29		ERR191767_spades.fa	2992	1808	29		ERR191767_before_rr.fa	2992	1808	29
ERR191768	PRJEB2999	Unknown	99%_Allele2147	110	ERR191768_megahit.fa	-	new	110	new	ERR191768_spades.fa	-	new	110	new	ERR191768_before_rr.fa	-	new	110
ERR191769	PRJEB2999	1288	543	29	ERR191769_megahit.fa	1288	543	29		ERR191769_spades.fa	1288	543	29		ERR191769_before_rr.fa	1288	543	29
ERR191770	PRJEB2999	1407	908	110	ERR191770_megahit.fa	1407	908	110		ERR191770_spades.fa	1407	908	110		ERR191770_before_rr.fa	1407	908	110
ERR191771	PRJEB2999	437	14	4	ERR191771_megahit.fa	437	14	4		ERR191771_spades.fa	437	14	4		ERR191771_before_rr.fa	437	14	4
ERR191772	PRJEB2999	Unknown	99%_Allele2147	110	ERR191772_megahit.fa	-	new	110	new	ERR191772_spades.fa	-	new	110	new	ERR191772_before_rr.fa	-	new	110
ERR191773	PRJEB2999	Unknown	99%_Allele866	4	ERR191773_megahit.fa	-	new	4	missing	ERR191773_spades.fa	-	new	4	new	ERR191773_before_rr.fa	-	new	4
ERR191774	PRJEB2999	Unknown	99%_Allele2147	110	ERR191774_megahit.fa	-	new	110	new	ERR191774_spades.fa	-	new	110	new	ERR191774_before_rr.fa	-	new	110
ERR191775	PRJEB2999	Unknown	99%_Allele2147	110	ERR191775_megahit.fa	-	new	110	new	ERR191775_spades.fa	-	new	110	new	ERR191775_before_rr.fa	-	new	110
ERR191776	PRJEB2999	Unknown	99%_Allele2147	110	ERR191776_megahit.fa	-	new	110	new	ERR191776_spades.fa	-	new	110	new	ERR191776_before_rr.fa	-	new	110
ERR191777	PRJEB2999	Unknown	99%_Allele2147	110	ERR191777_megahit.fa	-	new	110	new	ERR191777_spades.fa	-	new	110	new	ERR191777_before_rr.fa	-	new	110
ERR191778	PRJEB2999	Unknown	99%_Allele2147	110	ERR191778_megahit.fa	-	new	110	new	ERR191778_spades.fa	-	new	110	new	ERR191778_before_rr.fa	-	new	110
ERR191779	PRJEB2999	7949	4754	16	ERR191779_megahit.fa	7949	4754	16		ERR191779_spades.fa	7949	4754	16		ERR191779_before_rr.fa	7949	4754	16
ERR191780	PRJEB2999	Unknown	99%_Allele2147	110	ERR191780_megahit.fa	-	new	110	new	ERR191780_spades.fa	-	new	110	new	ERR191780_before_rr.fa	-	new	110
ERR191781	PRJEB2999	437	14	4	ERR191781_megahit.fa	437	14	4		ERR191781_spades.fa	437	14	4		ERR191781_before_rr.fa	437	14	4
ERR191782	PRJEB2999	Unknown	99%_Allele1914	110	ERR191782_megahit.fa	-	new	110	new	ERR191782_spades.fa	-	new	110	new	ERR191782_before_rr.fa	-	new	110
ERR191783	PRJEB2999	437	14	4	ERR191783_megahit.fa	437	14	4		ERR191783_spades.fa	437	14	4		ERR191783_before_rr.fa	437	14	4
ERR191784	PRJEB2999	1407	908	110	ERR191784_megahit.fa	1407	908	110		ERR191784_spades.fa	1407	908	110		ERR191784_before_rr.fa	1407	908	110
ERR191785	PRJEB2999	3169	260	4	ERR191785_megahit.fa	3169	260	4		ERR191785_spades.fa	3169	260	4		ERR191785_before_rr.fa	3169	260	4
ERR191786	PRJEB2999	3158	1914	110	ERR191786_megahit.fa	3158	1914	110		ERR191786_spades.fa	3158	1914	110		ERR191786_before_rr.fa	3158	1914	110
ERR191787	PRJEB2999	8258	14	1514	ERR191787_megahit.fa	-	14	no_key	alternate key not detected	ERR191787_spades.fa	-	14	no_key	alternate key not detected	ERR191787_before_rr.fa	-	14	no_key
ERR191788	PRJEB2999	3709	2237	110	ERR191788_megahit.fa	3709	2237	110		ERR191788_spades.fa	3709	2237	110		ERR191788_before_rr.fa	3709	2237	110
ERR191789	PRJEB2999	New	2329	4	ERR191789_megahit.fa	9164	2329	4	recently assigned	ERR191789_spades.fa	9164	2329	4	recently assigned	ERR191789_before_rr.fa	9164	2329	4
ERR191790	PRJEB2999	3158	1914	110	ERR191790_megahit.fa	3158	1914	110		ERR191790_spades.fa	3158	1914	110		ERR191790_before_rr.fa	3158	1914	110
ERR191791	PRJEB2999	730	59	29	ERR191791_megahit.fa	730	59	29		ERR191791_spades.fa	730	59	29		ERR191791_before_rr.fa	730	59	29
ERR191792	PRJEB2999	3128	1900	110	ERR191792_megahit.fa	3128	1900	110		ERR191792_spades.fa	3128	1900	110		ERR191792_before_rr.fa	3128	1900	110
ERR191793	PRJEB2999	437	14	4	ERR191793_megahit.fa	437	14	4		ERR191793_spades.fa	437	14	4		ERR191793_before_rr.fa	437	14	4
ERR191794	PRJEB2999	3128	1900	110	ERR191794_megahit.fa	3128	1900	110		ERR191794_spades.fa	3128	1900	110		ERR191794_before_rr.fa	3128	1900	110
ERR191795	PRJEB2999	1407	908	110	ERR191795_megahit.fa	1407	908	110		ERR191795_spades.fa	1407	908	110		ERR191795_before_rr.fa	1407	908	110
ERR191796	PRJEB2999	3149	1903	110	ERR191796_megahit.fa	3149	1903	110		ERR191796_spades.fa	3149	1903	110		ERR191796_before_rr.fa	3149	1903	110
ERR191797	PRJEB2999	1407	908	110	ERR191797_megahit.fa	1407	908	110		ERR191797_spades.fa	1407	908	110		ERR191797_before_rr.fa	1407	908	110
ERR191798	PRJEB2999	Unknown	99%_Allele1914	110	ERR191798_megahit.fa	-	new	110	new	ERR191798_spades.fa	-	new	110	new	ERR191798_before_rr.fa	-	new	110
ERR191799	PRJEB2999	6734	4016	33	ERR191799_megahit.fa	6734	4016	33		ERR191799_spades.fa	6734	4016	33		ERR191799_before_rr.fa	6734	4016	33
ERR191800	PRJEB2999	5895	2700	110	ERR191800_megahit.fa	5895	2700	110		ERR191800_spades.fa	5895	2700	110		ERR191800_before_rr.fa	5895	2700	110
ERR191801	PRJEB2999	7468	19	27	ERR191801_megahit.fa	7468	19	27		ERR191801_spades.fa	7468	19	27		ERR19180			

ERR191825	PRJEB2999	2992	1808	29	ERR191825_megahit.fa	2992	1808	29	ERR191825_spades.fa	2992	1808	29	ERR191825_before_rr.fa	2992	1808	29	
ERR223603	PRJEB2999	1407	908	110	ERR223603_megahit.fa	1407	908	110	ERR223603_spades.fa	1407	908	110	ERR223603_before_rr.fa	1407	908	110	
ERR223604	PRJEB2999	2992	1808	29	ERR223604_megahit.fa	2992	1808	29	ERR223604_spades.fa	2992	1808	29	ERR223604_before_rr.fa	2992	1808	29	
ERR223605	PRJEB2999	437	14	4	ERR223605_megahit.fa	437	14	4	ERR223605_spades.fa	437	14	4	ERR223605_before_rr.fa	437	14	4	
ERR223606	PRJEB2999	Unknown	97%_Allele3680	96%_Allele1456	ERR223606_megahit.fa	-	new	new	ERR223606_spades.fa	-	new	new	ERR223606_before_rr.fa	-	new	new	
ERR223607	PRJEB2999	1407	908	110	ERR223607_megahit.fa	1407	908	110	ERR223607_spades.fa	1407	908	110	ERR223607_before_rr.fa	1407	908	110	
ERR223608	PRJEB2999	4951	3003	110	ERR223608_megahit.fa	4951	3003	110	ERR223608_spades.fa	4951	3003	110	ERR223608_before_rr.fa	4951	3003	110	
ERR223609	PRJEB2999	1407	908	110	ERR223609_megahit.fa	1407	908	110	ERR223609_spades.fa	1407	908	110	ERR223609_before_rr.fa	1407	908	110	
ERR223610	PRJEB2999	1407	908	110	ERR223610_megahit.fa	1407	908	110	ERR223610_spades.fa	1407	908	110	ERR223610_before_rr.fa	1407	908	110	
ERR223611	PRJEB2999	4269	2623	110	ERR223611_megahit.fa	4269	2623	110	ERR223611_spades.fa	4269	2623	110	ERR223611_before_rr.fa	4269	2623	110	
ERR223612	PRJEB2999	359	301	29	ERR223612_megahit.fa	359	301	29	ERR223612_spades.fa	359	301	29	ERR223612_before_rr.fa	359	301	29	
ERR223613	PRJEB2999	1407	908	110	ERR223613_megahit.fa	1407	908	110	ERR223613_spades.fa	1407	908	110	ERR223613_before_rr.fa	1407	908	110	
ERR223614	PRJEB2999	1978	1259	4	ERR223614_megahit.fa	1978	1259	4	ERR223614_spades.fa	1978	1259	4	ERR223614_before_rr.fa	1978	1259	4	
ERR223615	PRJEB2999	1407	908	110	ERR223615_megahit.fa	multiple	110/4	multiple	ERR223615_spades.fa	multiple	908	4/110	ERR223615_before_rr.fa	1407	908	110	
ERR223616	PRJEB2999	2992	1808	29	ERR223616_megahit.fa	2992	1808	29	ERR223616_spades.fa	2992	1808	29	ERR223616_before_rr.fa	2992	1808	29	
ERR223619	PRJEB2999	Unknown	99%_Allele4576	110	ERR223619_megahit.fa	-	new	110	ERR223619_spades.fa	-	new	110	ERR223619_before_rr.fa	-	new	110	
ERR223620	PRJEB2999	1407	908	110	ERR223620_megahit.fa	1407	908	110	ERR223620_spades.fa	1407	908	110	ERR223620_before_rr.fa	1407	908	110	
ERR223621	PRJEB2999	1407	908	110	ERR223621_megahit.fa	1407	908	110	ERR223621_spades.fa	1407	908	110	ERR223621_before_rr.fa	1407	908	110	
ERR223622	PRJEB2999	225	4	4	ERR223622_megahit.fa	225	4	4	ERR223622_spades.fa	225	4	4	ERR223622_before_rr.fa	225	4	4	
ERR223623	PRJEB2999	1407	908	110	ERR223623_megahit.fa	1407	908	110	ERR223623_spades.fa	1407	908	110	ERR223623_before_rr.fa	1407	908	110	
ERR223624	PRJEB2999	Unknown	99%_Allele1808	29	ERR223624_megahit.fa	-	new	29	ERR223624_spades.fa	-	new	29	ERR223624_before_rr.fa	-	new	29	
ERR223625	PRJEB2999	1407	908	110	ERR223625_megahit.fa	1407	908	110	ERR223625_spades.fa	1407	908	110	ERR223625_before_rr.fa	1407	908	110	
ERR223626	PRJEB2999	4198	2577	29	ERR223626_megahit.fa	4198	2577	29	ERR223626_spades.fa	4198	2577	29	ERR223626_before_rr.fa	4198	2577	29	
ERR223627	PRJEB2999	1407	908	110	ERR223627_megahit.fa	1407	908	110	ERR223627_spades.fa	1407	908	110	ERR223627_before_rr.fa	1407	908	110	
ERR223628	PRJEB2999	1978	1259	4	ERR223628_megahit.fa	1978	1259	4	ERR223628_spades.fa	1978	1259	4	ERR223628_before_rr.fa	1978	1259	4	
ERR223629	PRJEB2999	1407	908	110	ERR223629_megahit.fa	1407	908	110	ERR223629_spades.fa	1407	908	110	ERR223629_before_rr.fa	1407	908	110	
ERR223630	PRJEB2999	1407	908	110	ERR223630_megahit.fa	1407	908	110	ERR223630_spades.fa	1407	908	110	ERR223630_before_rr.fa	1407	908	110	
ERR223631	PRJEB2999	1407	908	110	ERR223631_megahit.fa	1407	908	110	ERR223631_spades.fa	1407	908	110	ERR223631_before_rr.fa	1407	908	110	
ERR223632	PRJEB2999	2992	1808	29	ERR223632_megahit.fa	2992	1808	29	ERR223632_spades.fa	2992	1808	29	ERR223632_before_rr.fa	2992	1808	29	
ERR223633	PRJEB2999	Unknown	98%_Allele875	110	ERR223633_megahit.fa	-	new	110	ERR223633_spades.fa	-	new	110	ERR223633_before_rr.fa	-	new	110	
ERR223634	PRJEB2999	2992	1808	29	ERR223634_megahit.fa	2992	1808	29	ERR223634_spades.fa	2992	1808	29	ERR223634_before_rr.fa	2992	1808	29	
ERR223635	PRJEB2999	1407	908	110	ERR223635_megahit.fa	1407	908	110	ERR223635_spades.fa	1407	908	110	ERR223635_before_rr.fa	1407	908	110	
ERR223636	PRJEB2999	1978	1259	4	ERR223636_megahit.fa	1978	1259	4	ERR223636_spades.fa	1978	1259	4	ERR223636_before_rr.fa	1978	1259	4	
ERR223637	PRJEB2999	1407	908	110	ERR223637_megahit.fa	1407	908	110	ERR223637_spades.fa	1407	908	110	ERR223637_before_rr.fa	1407	908	110	
ERR223638	PRJEB2999	437	14	4	ERR223638_megahit.fa	437	14	4	ERR223638_spades.fa	437	14	4	ERR223638_before_rr.fa	437	14	4	
ERR223639	PRJEB2999	1407	908	110	ERR223639_megahit.fa	1407	908	110	ERR223639_spades.fa	1407	908	110	ERR223639_before_rr.fa	1407	908	110	
ERR223640	PRJEB2999	437	14	4	ERR223640_megahit.fa	437	14	4	ERR223640_spades.fa	437	14	4	ERR223640_before_rr.fa	437	14	4	
ERR223641	PRJEB2999	1407	908	110	ERR223641_megahit.fa	1407	908	110	ERR223641_spades.fa	1407	908	110	ERR223641_before_rr.fa	1407	908	110	
ERR223642	PRJEB2999	Unknown	99%_Allele3523	29	ERR223642_megahit.fa	-	new	29	ERR223642_spades.fa	-	new	29	ERR223642_before_rr.fa	-	new	29	
ERR223643	PRJEB2999	1407	908	110	ERR223643_megahit.fa	1407	908	110	ERR223643_spades.fa	1407	908	110	ERR223643_before_rr.fa	1407	908	110	
ERR223644	PRJEB2999	2992	1808	29	ERR223644_megahit.fa	2992	1808	29	ERR223644_spades.fa	2992	1808	29	ERR223644_before_rr.fa	2992	1808	29	
ERR223645	PRJEB2999	1407	908	110	ERR223645_megahit.fa	1407	908	110	ERR223645_spades.fa	1407	908	110	ERR223645_before_rr.fa	1407	908	110	
ERR223646	PRJEB2999	1978	1259	4	ERR223646_megahit.fa	-	-	4	ERR223646_spades.fa	1978	1259	4	ERR223646_before_rr.fa	1978	1259	4	
ERR223647	PRJEB2999	Unknown	99%_Allele2147	110	ERR223647_megahit.fa	-	new	110	ERR223647_spades.fa	-	new	110	ERR223647_before_rr.fa	-	new	110	
ERR223648	PRJEB2999	3485	760	33	ERR223648_megahit.fa	3485	760	33	ERR223648_spades.fa	3485	760	33	ERR223648_before_rr.fa	3485	760	33	
ERR223649	PRJEB2999	Unknown	99%_Allele2147	110	ERR223649_megahit.fa	-	new	110	ERR223649_spades.fa	-	new	110	ERR223649_before_rr.fa	-	new	110	
ERR223650	PRJEB2999	Unknown	99%_Allele1986	29	ERR223650_megahit.fa	-	new	29	ERR223650_spades.fa	-	new	29	ERR223650_before_rr.fa	-	new	29	
ERR223651	PRJEB2999	1407	908	110	ERR223651_megahit.fa	1407	908	110	ERR223651_spades.fa	1407	908	110	ERR223651_before_rr.fa	1407	908	110	
ERR223652	PRJEB2999	3307	30	743	ERR223652_megahit.fa	3307	30	743	ERR223652_spades.fa	3307	30	743	ERR223652_before_rr.fa	3307	30	743	
ERR223653	PRJEB2999	Unknown	99%_Allele2147	110	ERR223653_megahit.fa	-	new	110	ERR223653_spades.fa	-	new	110	ERR223653_before_rr.fa	-	new	110	
ERR223654	PRJEB2999	1440	105	4	ERR223654_megahit.fa	1440	105	4	ERR223654_spades.fa	1440	105	4	ERR223654_before_rr.fa	1440	105	4	
ERR223655	PRJEB2999	5895	2700	110	ERR223655_megahit.fa	5895	2700	110	ERR223655_spades.fa	5895	2700	110	ERR223655_before_rr.fa	5895	2700	110	
ERR223656	PRJEB2999	7132	4270	129	ERR223656_megahit.fa	7132	4270	129	ERR223656_spades.fa	7132	4270	129	ERR223656_before_rr.fa	7132	4270	129	
ERR223657	PRJEB2999	1407	908	110	ERR223657_megahit.fa	1407	908	110	ERR223657_spades.fa	1407	908	110	ERR223657_before_rr.fa	1407	908	110	
ERR223658	PRJEB2999	1791	543	186	ERR223658_megahit.fa	1791	543	186	ERR223658_spades.fa	1791	543	186	ERR223658_before_rr.fa	1791	543	186	
ERR223659	PRJEB2999	5895	2700	110	ERR223659_megahit.fa	5895	2700	110	ERR223659_spades.fa	5895	2700	110	ERR223659_before_rr.fa	5895	2700	110	
ERR223660	PRJEB2999	758	90	29	ERR223660_megahit.fa	758	90	29	ERR223660_spades.fa	758	90	29	ERR223660_before_rr.fa	758	90	29	
ERR223661	PRJEB2999	1407	908	110	ERR223661_megahit.fa	1407	908	110	ERR223661_spades.fa	1407	908	110	ERR223661_before_rr.fa	1407	908	110	
ERR223662	PRJEB2999	Unknown	99%_Allele4354	29	ERR223662_megahit.fa	5505	29	recently assigned	ERR223662_spades.fa	5247	5505	29	ERR223662_before_rr.fa	5247	5505	29	
ERR223663	PRJEB2999	1407	908	110	ERR223663_megahit.fa	1407	908	110	ERR223663_spades.fa	1407	908	110	ERR223663_before_rr.fa	1407	908	110	
ERR223664	PRJEB2999	437	14	4	ERR223664_megahit.fa	437	14	4	ERR223664_spades.fa	437	14	4	ERR223664_before_rr.fa	437	14	4	
ERR223665	PRJEB2999	1407	908	110	ERR223665_megahit.fa	1407	908	110	ERR223665_spades.fa	1407	908	110	ERR223665_before_rr.fa	1407	908	110	
ERR223666	PRJEB2999	1407	908	110	ERR223666_megahit.fa	1407	908	110	ERR223666_spades.fa	1407	908	110	ERR223666_before_rr.fa	1407	908	110	
ERR223667	PRJEB2999	5895	2700	110	ERR223667_megahit.fa	5895	2700	110	ERR223667_spades.fa	5895	2700	110	ERR223667_before_rr.fa	5895	2700	110	
ERR223668	PRJEB2999	5268	19	25	ERR223668_megahit.fa	5268	19	25	ERR223668_spades.fa	5268	19	25	ERR223668_before_rr.fa	5268	19	25	
ERR223669	PRJEB2999	3431	2078	110	ERR223669_megahit.fa	3431	2078	110	ERR223669_spades.fa	3431	2078	110	ERR223669_before_rr.fa	3431	2078	110	
ERR223670	PRJEB2999	2493	4	29	ERR223670_megahit.fa	2493	4	29	ERR223670_spades.fa	2493	4	29	ERR223670_before_rr.fa	2493	4	29	
ERR223671	PRJEB2999	1407	908	110	ERR223671_megahit.fa	1407	908	110	ERR223671_spades.fa	1407	908	110	ERR223671_before_rr.fa	1407	908	110	
ERR223672	PRJEB2999	1407	908	110	ERR223672_megahit.fa	1407	908	110	ERR223672_spades.fa	1407	908	110	ERR223672_before_rr.fa	1407	908	110	
ERR223673	PRJEB2999	Unknown	2700	alt_tpb8	ERR223673_megahit.fa	-	2700	-	ERR223673_spades.fa	-	2700	-	ERR223673_before_rr.fa	-	2700	-	
ERR223674	PRJEB2999	225	4	225	4	ERR223674_megahit.fa	4	225	4	ERR223674_spades.fa	4	225	4	ERR223674_before_rr.fa	4	225	4
ERR223675	PRJEB2999	Unknown	2700	alt_tpb8	ERR223675_megahit.fa	-	2700	-	ERR223675_spades.fa	-	2700	-	ERR223675_before_rr.fa	-	2700	-	

ERR223696	PRJEB2999	1861	4	135	ERR223696_megahit.fa	1861	4	135	ERR223696_spades.fa	1861	4	135	ERR223696_before_rr.fa	1861	4	135
ERR223697	PRJEB2999	Unknown	2700		ERR223697_megahit.fa	-	2700	-	ERR223697_spades.fa	-	2700	-	ERR223697_before_rr.fa	-	2700	-
ERR223698	PRJEB2999	2992	1808	29	ERR223698_megahit.fa	2992	1808	29	ERR223698_spades.fa	2992	1808	29	ERR223698_before_rr.fa	2992	1808	29
NCCP11945	PRJNA29335	3618	1284	4	NCCP11945.fna	10699	6277	4	NCCP11945.fna	10699	6277	4	NCCP11945.fna	10699	6277	4
SRR1661153	PRJNA266539	126	206	380	SRR1661153_megahit.fa	380	206	126	SRR1661153_spades.fa	380	206	126	SRR1661153_before_rr.fa	380	206	126
SRR1661154	PRJNA266539	10443	4	513	SRR1661154_megahit.fa	10443	4	513	SRR1661154_spades.fa	10443	4	513	SRR1661154_before_rr.fa	10443	4	513
SRR1661155	PRJNA266539	21	14	33	SRR1661155_megahit.fa	21	14	33	SRR1661155_spades.fa	21	14	33	SRR1661155_before_rr.fa	21	14	33
SRR1661156	PRJNA266539	10476	6124	1850	SRR1661156_megahit.fa	-	6124	-	SRR1661156_spades.fa	10476	6124	1850	SRR1661156_before_rr.fa	10476	6124	1850
SRR1661157	PRJNA266539	10469	4637	22	SRR1661157_megahit.fa	10469	4637	22	SRR1661157_spades.fa	10469	4637	22	SRR1661157_before_rr.fa	10469	4637	22
SRR1661158	PRJNA266539	4138	2528	10	SRR1661158_megahit.fa	-	2528	10	SRR1661158_spades.fa	4138	2528	10	SRR1661158_before_rr.fa	4138	2528	10
SRR1661159	PRJNA266539	8	7	3	SRR1661159_megahit.fa	-	7	3	SRR1661159_spades.fa	-	7	3	SRR1661159_before_rr.fa	-	7	3
SRR1661160	PRJNA266539	2533	101	3	SRR1661160_megahit.fa	2533	101	3	SRR1661160_spades.fa	-	101	new	SRR1661160_before_rr.fa	2533	101	3
SRR1661161	PRJNA266539	4383	444	21	SRR1661161_megahit.fa	4383	444	21	SRR1661161_spades.fa	4383	444	21	SRR1661161_before_rr.fa	4383	444	21
SRR1661162	PRJNA266539	51	39	27	SRR1661162_megahit.fa	51	39	27	SRR1661162_spades.fa	51	39	27	SRR1661162_before_rr.fa	51	39	27
SRR1661163	PRJNA266539	108	100	24	SRR1661163_megahit.fa	-	24	-	SRR1661163_spades.fa	108	100	24	SRR1661163_before_rr.fa	108	100	24
SRR1661164	PRJNA266539	1424	917	10	SRR1661164_megahit.fa	-	10	-	SRR1661164_spades.fa	1424	917	10	SRR1661164_before_rr.fa	1424	917	10
SRR1661165	PRJNA266539	84	69	33	SRR1661165_megahit.fa	84	69	33	SRR1661165_spades.fa	84	69	33	SRR1661165_before_rr.fa	84	69	33
SRR1661166	PRJNA266539	4383	444	21	SRR1661166_megahit.fa	4383	444	21	SRR1661166_spades.fa	4383	444	21	SRR1661166_before_rr.fa	4383	444	21
SRR1661167	PRJNA266539	5	4	33	SRR1661167_megahit.fa	-	4	-	SRR1661167_spades.fa	5	4	33	SRR1661167_before_rr.fa	5	4	33
SRR1661168	PRJNA266539	4437	2727	10	SRR1661168_megahit.fa	4437	2727	10	SRR1661168_spades.fa	4437	2727	10	SRR1661168_before_rr.fa	4437	2727	10
SRR1661169	PRJNA266539	9022	5342	171	SRR1661169_megahit.fa	9022	5342	171	SRR1661169_spades.fa	9022	5342	171	SRR1661169_before_rr.fa	9022	5342	171
SRR1661170	PRJNA266539	757	262	4	SRR1661170_megahit.fa	757	262	4	SRR1661170_spades.fa	757	262	4	SRR1661170_before_rr.fa	757	262	4
SRR1661171	PRJNA266539	215	18	27	SRR1661171_megahit.fa	215	18	27	SRR1661171_spades.fa	215	18	27	SRR1661171_before_rr.fa	215	18	27
SRR1661172	PRJNA266539	210	59	4	SRR1661172_megahit.fa	210	59	4	SRR1661172_spades.fa	210	59	4	SRR1661172_before_rr.fa	210	59	4
SRR1661173	PRJNA266539	1407	908	110	SRR1661173_megahit.fa	1407	908	110	SRR1661173_spades.fa	1407	908	110	SRR1661173_before_rr.fa	1407	908	110
SRR1661174	PRJNA266539	225	4	4	SRR1661174_megahit.fa	225	4	4	SRR1661174_spades.fa	225	4	4	SRR1661174_before_rr.fa	225	4	4
SRR1661175	PRJNA266539	1407	908	110	SRR1661175_megahit.fa	1407	908	110	SRR1661175_spades.fa	1407	908	110	SRR1661175_before_rr.fa	1407	908	110
SRR1661176	PRJNA266539	1407	908	110	SRR1661176_megahit.fa	1407	908	110	SRR1661176_spades.fa	1407	908	110	SRR1661176_before_rr.fa	1407	908	110
SRR1661177	PRJNA266539	69	55	4	SRR1661177_megahit.fa	69	55	4	SRR1661177_spades.fa	69	55	4	SRR1661177_before_rr.fa	69	55	4
SRR1661178	PRJNA266539	545	63	171	SRR1661178_megahit.fa	545	63	171	SRR1661178_spades.fa	545	63	171	SRR1661178_before_rr.fa	545	63	171
SRR1661179	PRJNA266539	1056	609	186	SRR1661179_megahit.fa	1056	609	186	SRR1661179_spades.fa	1056	609	186	SRR1661179_before_rr.fa	1056	609	186
SRR1661180	PRJNA266539	2	2	16	SRR1661180_megahit.fa	2	2	16	SRR1661180_spades.fa	2	2	16	SRR1661180_before_rr.fa	2	2	16
SRR1661181	PRJNA266539	4014	206	241	SRR1661181_megahit.fa	4014	206	241	SRR1661181_spades.fa	4014	206	241	SRR1661181_before_rr.fa	4014	206	241
SRR1661182	PRJNA266539	4014	206	241	SRR1661182_megahit.fa	-	241	-	SRR1661182_spades.fa	4014	206	241	SRR1661182_before_rr.fa	4014	206	241
SRR1661183	PRJNA266539	4	225	4	SRR1661183_megahit.fa	4	225	4	SRR1661183_spades.fa	4	225	4	SRR1661183_before_rr.fa	4	225	4
SRR1661184	PRJNA266539	3108	1884	4	SRR1661184_megahit.fa	3108	1884	4	SRR1661184_spades.fa	3108	1884	4	SRR1661184_before_rr.fa	3108	1884	4
SRR1661185	PRJNA266539	225	4	4	SRR1661185_megahit.fa	-	4	-	SRR1661185_spades.fa	225	4	4	SRR1661185_before_rr.fa	225	4	4
SRR1661186	PRJNA266539	3108	1884	4	SRR1661186_megahit.fa	3108	1884	4	SRR1661186_spades.fa	3108	1884	4	SRR1661186_before_rr.fa	3108	1884	4
SRR1661187	PRJNA266539	1407	908	110	SRR1661187_megahit.fa	-	908	-	SRR1661187_spades.fa	1407	908	110	SRR1661187_before_rr.fa	1407	908	110
SRR1661188	PRJNA266539	225	4	4	SRR1661188_megahit.fa	225	4	4	SRR1661188_spades.fa	225	4	4	SRR1661188_before_rr.fa	225	4	4
SRR1661189	PRJNA266539	3108	1884	4	SRR1661189_megahit.fa	3108	1884	4	SRR1661189_spades.fa	3108	1884	4	SRR1661189_before_rr.fa	3108	1884	4
SRR1661190	PRJNA266539	1409	910	4	SRR1661190_megahit.fa	-	4	-	SRR1661190_spades.fa	1409	910	4	SRR1661190_before_rr.fa	1409	910	4
SRR1661191	PRJNA266539	225	4	4	SRR1661191_megahit.fa	225	4	4	SRR1661191_spades.fa	225	4	4	SRR1661191_before_rr.fa	225	4	4
SRR1661192	PRJNA266539	225	4	4	SRR1661192_megahit.fa	225	4	4	SRR1661192_spades.fa	225	4	4	SRR1661192_before_rr.fa	225	4	4
SRR1661193	PRJNA266539	225	4	4	SRR1661193_megahit.fa	225	4	4	SRR1661193_spades.fa	225	4	4	SRR1661193_before_rr.fa	225	4	4
SRR1661194	PRJNA266539	3565	2159	25	SRR1661194_megahit.fa	3565	2159	25	SRR1661194_spades.fa	3565	2159	25	SRR1661194_before_rr.fa	3565	2159	25
SRR1661195	PRJNA266539	4427	2694	10	SRR1661195_megahit.fa	4427	2694	10	SRR1661195_spades.fa	4427	2694	10	SRR1661195_before_rr.fa	4427	2694	10
SRR1661196	PRJNA266539	1407	908	110	SRR1661196_megahit.fa	1407	908	110	SRR1661196_spades.fa	1407	908	110	SRR1661196_before_rr.fa	1407	908	110
SRR1661197	PRJNA266539	1407	908	110	SRR1661197_megahit.fa	1407	908	110	SRR1661197_spades.fa	1407	908	110	SRR1661197_before_rr.fa	1407	908	110
SRR1661198	PRJNA266539	1407	908	110	SRR1661198_megahit.fa	1407	908	110	SRR1661198_spades.fa	1407	908	110	SRR1661198_before_rr.fa	1407	908	110
SRR1661199	PRJNA266539	3108	1884	4	SRR1661199_megahit.fa	3108	1884	4	SRR1661199_spades.fa	3108	1884	4	SRR1661199_before_rr.fa	3108	1884	4
SRR1661200	PRJNA266539	1407	908	110	SRR1661200_megahit.fa	1407	908	110	SRR1661200_spades.fa	1407	908	110	SRR1661200_before_rr.fa	1407	908	110
SRR1661201	PRJNA266539	3158	1914	110	SRR1661201_megahit.fa	-	110	-	SRR1661201_spades.fa	3158	1914	110	SRR1661201_before_rr.fa	3158	1914	110
SRR1661202	PRJNA266539	3779	2147	110	SRR1661202_megahit.fa	3779	2147	110	SRR1661202_spades.fa	3779	2147	110	SRR1661202_before_rr.fa	3779	2147	110
SRR1661203	PRJNA266539	3158	1914	110	SRR1661203_megahit.fa	-	110	-	SRR1661203_spades.fa	3158	1914	110	SRR1661203_before_rr.fa	3158	1914	110
SRR1661204	PRJNA266539	225	4	4	SRR1661204_megahit.fa	225	4	4	SRR1661204_spades.fa	225	4	4	SRR1661204_before_rr.fa	225	4	4
SRR1661205	PRJNA266539	225	4	4	SRR1661205_megahit.fa	-	4	-	SRR1661205_spades.fa	225	4	4	SRR1661205_before_rr.fa	225	4	4
SRR1661206	PRJNA266539	3158	1914	110	SRR1661206_megahit.fa	3158	1914	110	SRR1661206_spades.fa	3158	1914	110	SRR1661206_before_rr.fa	3158	1914	110
SRR1661207	PRJNA266539	543	479	1948	SRR1661207_megahit.fa	543	479	1948	SRR1661207_spades.fa	543	479	1948	SRR1661207_before_rr.fa	543	479	1948
SRR1661208	PRJNA266539	1407	908	110	SRR1661208_megahit.fa	1407	908	110	SRR1661208_spades.fa	1407	908	110	SRR1661208_before_rr.fa	1407	908	110
SRR1661209	PRJNA266539	1407	908	110	SRR1661209_megahit.fa	1407	908	110	SRR1661209_spades.fa	1407	908	110	SRR1661209_before_rr.fa	1407	908	110
SRR1661210	PRJNA266539	1407	908	110	SRR1661210_megahit.fa	1407	908	110	SRR1661210_spades.fa	1407	908	110	SRR1661210_before_rr.fa	1407	908	110
SRR1661211	PRJNA266539	2992	1808	29	SRR1661211_megahit.fa	2992	1808	29	SRR1661211_spades.fa	2992	1808	29	SRR1661211_before_rr.fa	2992	1808	29
SRR1661212	PRJNA266539	1407	908	110	SRR1661212_megahit.fa	1407	908	110	SRR1661212_spades.fa	1407	908	110	SRR1661212_before_rr.fa	1407	908	110
SRR1661																

SRRI661241	PRJNA266539	231	343	16	SRRI661241_megahit.fa	231	343	16	SRRI661241_spades.fa	231	343	16	SRRI661241_before_rr.fa	231	343	16
SRRI661242	PRJNA266539	1407	908	110	SRRI661242_megahit.fa	1407	908	110	SRRI661242_spades.fa	1407	908	110	SRRI661242_before_rr.fa	1407	908	110
SRRI661243	PRJNA266539	3150	1907	4	SRRI661243_megahit.fa	3150	1907	4	SRRI661243_spades.fa	3150	1907	4	SRRI661243_before_rr.fa	3150	1907	4
SRRI661244	PRJNA266539	4985	3024	110	SRRI661244_megahit.fa	4985	3024	110	SRRI661244_spades.fa	4985	3024	110	SRRI661244_before_rr.fa	4985	3024	110
SRRI661245	PRJNA266539	5372	3257	110	SRRI661245_megahit.fa	5372	3257	110	SRRI661245_spades.fa	-	new	110	SRRI661245_before_rr.fa	5372	3257	110
SRRI661246	PRJNA266539	1407	908	110	SRRI661246_megahit.fa	1407	908	110	SRRI661246_spades.fa	1407	908	110	SRRI661246_before_rr.fa	1407	908	110
SRRI661247	PRJNA266539	1407	908	110	SRRI661247_megahit.fa	1407	908	110	SRRI661247_spades.fa	1407	908	110	SRRI661247_before_rr.fa	1407	908	110
SRRI661248	PRJNA266539	4985	3024	110	SRRI661248_megahit.fa	4985	3024	110	SRRI661248_spades.fa	4985	3024	110	SRRI661248_before_rr.fa	4985	3024	110
SRRI661249	PRJNA266539	1407	908	110	SRRI661249_megahit.fa	1407	908	110	SRRI661249_spades.fa	-	new	110	SRRI661249_before_rr.fa	1407	908	110
SRRI661250	PRJNA266539	3378	2043	110	SRRI661250_megahit.fa	3378	2043	110	SRRI661250_spades.fa	3378	2043	110	SRRI661250_before_rr.fa	3378	2043	110
SRRI661251	PRJNA266539	4985	3024	110	SRRI661251_megahit.fa	4985	3024	110	SRRI661251_spades.fa	4985	3024	110	SRRI661251_before_rr.fa	4985	3024	110
SRRI661252	PRJNA266539	3550	4	49	SRRI661252_megahit.fa	3550	4	49	SRRI661252_spades.fa	3550	4	49	SRRI661252_before_rr.fa	3550	4	49
SRRI661253	PRJNA266539	3149	1903	110	SRRI661253_megahit.fa	3149	1903	110	SRRI661253_spades.fa	3149	1903	110	SRRI661253_before_rr.fa	3149	1903	110
SRRI661254	PRJNA266539	5643	3424	110	SRRI661254_megahit.fa	5643	3424	110	SRRI661254_spades.fa	5643	3424	110	SRRI661254_before_rr.fa	5643	3424	110
SRRI661255	PRJNA266539	3556	2155	16	SRRI661255_megahit.fa	3556	2155	16	SRRI661255_spades.fa	3556	2155	16	SRRI661255_before_rr.fa	3556	2155	16
SRRI661256	PRJNA266539	3556	2155	16	SRRI661256_megahit.fa	3556	2155	16	SRRI661256_spades.fa	3556	2155	16	SRRI661256_before_rr.fa	3556	2155	16
SRRI661257	PRJNA266539	25	18	27	SRRI661257_megahit.fa	25	18	27	SRRI661257_spades.fa	25	18	27	SRRI661257_before_rr.fa	25	18	27
SRRI661258	PRJNA266539	3150	1907	4	SRRI661258_megahit.fa	3150	1907	4	SRRI661258_spades.fa	3150	1907	4	SRRI661258_before_rr.fa	3150	1907	4
SRRI661259	PRJNA266539	1407	908	110	SRRI661259_megahit.fa	1407	908	110	SRRI661259_spades.fa	1407	908	110	SRRI661259_before_rr.fa	1407	908	110
SRRI661260	PRJNA266539	6175	3662	16	SRRI661260_megahit.fa	6175	3662	16	SRRI661260_spades.fa	6175	3662	16	SRRI661260_before_rr.fa	6175	3662	16
SRRI661261	PRJNA266539	2992	1808	29	SRRI661261_megahit.fa	2992	1808	29	SRRI661261_spades.fa	2992	1808	29	SRRI661261_before_rr.fa	2992	1808	29
SRRI661262	PRJNA266539	1407	908	110	SRRI661262_megahit.fa	1407	908	110	SRRI661262_spades.fa	1407	908	110	SRRI661262_before_rr.fa	1407	908	110
SRRI661263	PRJNA266539	4669	96	96	SRRI661263_megahit.fa	4669	96	96	SRRI661263_spades.fa	4669	96	96	SRRI661263_before_rr.fa	4669	96	96
SRRI661264	PRJNA266539	545	63	171	SRRI661264_megahit.fa	545	63	171	SRRI661264_spades.fa	545	63	171	SRRI661264_before_rr.fa	545	63	171
SRRI661265	PRJNA266539	757	262	4	SRRI661265_megahit.fa	757	262	4	SRRI661265_spades.fa	757	262	4	SRRI661265_before_rr.fa	757	262	4
SRRI661266	PRJNA266539	2	2	16	SRRI661266_megahit.fa	2	2	16	SRRI661266_spades.fa	2	2	16	SRRI661266_before_rr.fa	2	2	16
SRRI661267	PRJNA266539	2	2	16	SRRI661267_megahit.fa	2	2	16	SRRI661267_spades.fa	2	2	16	SRRI661267_before_rr.fa	2	2	16
SRRI661268	PRJNA266539	5643	3424	110	SRRI661268_megahit.fa	5643	3424	110	SRRI661268_spades.fa	5643	3424	110	SRRI661268_before_rr.fa	5643	3424	110
SRRI661269	PRJNA266539	5643	3424	110	SRRI661269_megahit.fa	5643	3424	110	SRRI661269_spades.fa	-	3424	new	SRRI661269_before_rr.fa	5643	3424	110
SRRI661270	PRJNA266539	3709	2237	110	SRRI661270_megahit.fa	3709	2237	110	SRRI661270_spades.fa	3709	2237	110	SRRI661270_before_rr.fa	3709	2237	110
SRRI661271	PRJNA266539	3158	1914	110	SRRI661271_megahit.fa	3158	1914	110	SRRI661271_spades.fa	3158	1914	110	SRRI661271_before_rr.fa	3158	1914	110
SRRI661272	PRJNA266539	5643	3424	110	SRRI661272_megahit.fa	5643	3424	110	SRRI661272_spades.fa	5643	3424	110	SRRI661272_before_rr.fa	5643	3424	110
SRRI661273	PRJNA266539	1513	971	110	SRRI661273_megahit.fa	1513	971	110	SRRI661273_spades.fa	1513	971	110	SRRI661273_before_rr.fa	1513	971	110
SRRI661274	PRJNA266539	1407	908	110	SRRI661274_megahit.fa	1407	908	110	SRRI661274_spades.fa	1407	908	110	SRRI661274_before_rr.fa	1407	908	110
SRRI661275	PRJNA266539	7159	1245	18	SRRI661275_megahit.fa	7159	1245	18	SRRI661275_spades.fa	7159	1245	18	SRRI661275_before_rr.fa	7159	1245	18
SRRI661276	PRJNA266539	1407	908	110	SRRI661276_megahit.fa	1407	908	110	SRRI661276_spades.fa	-	908	new	SRRI661276_before_rr.fa	1407	908	110
SRRI661277	PRJNA266539	1407	908	110	SRRI661277_megahit.fa	1407	908	110	SRRI661277_spades.fa	1407	908	110	SRRI661277_before_rr.fa	1407	908	110
SRRI661278	PRJNA266539	1407	908	110	SRRI661278_megahit.fa	1407	908	110	SRRI661278_spades.fa	1407	908	110	SRRI661278_before_rr.fa	1407	908	110
SRRI661279	PRJNA266539	1407	908	110	SRRI661279_megahit.fa	1407	908	110	SRRI661279_spades.fa	1407	908	110	SRRI661279_before_rr.fa	1407	908	110
SRRI661280	PRJNA266539	225	4	4	SRRI661280_megahit.fa	225	4	4	SRRI661280_spades.fa	225	4	4	SRRI661280_before_rr.fa	225	4	4
SRRI661281	PRJNA266539	2992	1808	29	SRRI661281_megahit.fa	2992	1808	29	SRRI661281_spades.fa	2992	1808	29	SRRI661281_before_rr.fa	2992	1808	29
SRRI661282	PRJNA266539	1780	1143	39	SRRI661282_megahit.fa	1780	1143	39	SRRI661282_spades.fa	1780	1143	39	SRRI661282_before_rr.fa	1780	1143	39
SRRI661283	PRJNA266539	1407	908	110	SRRI661283_megahit.fa	1407	908	110	SRRI661283_spades.fa	-	908	new	SRRI661283_before_rr.fa	1407	908	110
SRRI661284	PRJNA266539	1407	908	110	SRRI661284_megahit.fa	1407	908	110	SRRI661284_spades.fa	-	908	new	SRRI661284_before_rr.fa	1407	908	110
SRRI661285	PRJNA266539	3556	2155	16	SRRI661285_megahit.fa	3556	2155	16	SRRI661285_spades.fa	3556	2155	16	SRRI661285_before_rr.fa	3556	2155	16
SRRI661286	PRJNA266539	231	343	16	SRRI661286_megahit.fa	231	343	16	SRRI661286_spades.fa	231	343	16	SRRI661286_before_rr.fa	231	343	16
SRRI661287	PRJNA266539	7983	4759	16	SRRI661287_megahit.fa	7983	4759	16	SRRI661287_spades.fa	7983	4759	16	SRRI661287_before_rr.fa	7983	4759	16
SRRI661288	PRJNA266539	6644	3664	16	SRRI661288_megahit.fa	6644	3664	16	SRRI661288_spades.fa	6644	3664	16	SRRI661288_before_rr.fa	6644	3664	16
SRRI661289	PRJNA266539	8	7	3	SRRI661289_megahit.fa	8	7	3	SRRI661289_spades.fa	8	7	3	SRRI661289_before_rr.fa	8	7	3
SRRI661290	PRJNA266539	374	316	16	SRRI661290_megahit.fa	374	316	16	SRRI661290_spades.fa	374	316	16	SRRI661290_before_rr.fa	374	316	16
SRRI661291	PRJNA266539	374	316	16	SRRI661291_megahit.fa	374	316	16	SRRI661291_spades.fa	374	316	16	SRRI661291_before_rr.fa	374	316	16
SRRI661292	PRJNA266539	1407	908	110	SRRI661292_megahit.fa	1407	908	110	SRRI661292_spades.fa	1407	908	110	SRRI661292_before_rr.fa	1407	908	110
SRRI661293	PRJNA266539	7986	4700	4	SRRI661293_megahit.fa	7986	4700	4	SRRI661293_spades.fa	7986	4700	4	SRRI661293_before_rr.fa	7986	4700	4
SRRI661294	PRJNA266539	1407	908	110	SRRI661294_megahit.fa	1407	908	110	SRRI661294_spades.fa	1407	908	110	SRRI661294_before_rr.fa	1407	908	110
SRRI661295	PRJNA266539	5650	3428	4	SRRI661295_megahit.fa	5650	3428	4	SRRI661295_spades.fa	5650	3428	4	SRRI661295_before_rr.fa	5650	3428	4
SRRI661296	PRJNA266539	8851	5230	156	SRRI661296_megahit.fa	8851	5230	156	SRRI661296_spades.fa	8851	5230	156	SRRI661296_before_rr.fa	8851	5230	156
SRRI661297	PRJNA266539	7986	4700	4	SRRI661297_megahit.fa	7986	4700	4	SRRI661297_spades.fa	7986	4700	4	SRRI661297_before_rr.fa	7986	4700	4
SRRI661298	PRJNA266539	3378	2043	110	SRRI661298_megahit.fa	3378	2043	110	SRRI661298_spades.fa	3378	2043	110	SRRI661298_before_rr.fa	3378	2043	110
SRRI661299	PRJNA266539	1407	908	110	SRRI661299_megahit.fa	1407	908	110	SRRI661299_spades.fa	1407	908	110	SRRI661299_before_rr.fa	1407	908	110
SRRI661300	PRJNA266539	7986	4700	4	SRRI661300_megahit.fa	7986	4700	4	SRRI661300_spades.fa	7986	4700	4	SRRI661300_before_rr.fa	7986	4700	4
SRRI661301	PRJNA266539	1407	908	110	SRRI661301_megahit.fa	1407	908	110	SRRI661301_spades.fa	1407	908	110	SRRI661301_before_rr.fa	1407	908	110
SRRI661302	PRJNA266539	3158	1914	110	SRRI661302_megahit.fa	3158	1914	110	SRRI661302_spades.fa	3158	1914	110	SRRI661302_before_rr.fa	3158	1914	110
SRRI661303	PRJNA266539	7986	4700	4	SRRI661303_megahit.fa	7986	4700	4	SRRI661303_spades.fa	7986	4700	4	SRRI661303_before_rr.fa	7986	4700	4
SRRI661304	PRJNA266539	1407	908	110	SRRI661304_megahit.fa	1407	908	110	SRRI661304_spades.fa	-	908	new	SRRI661304_before_rr.fa	1407	908	110
SRRI661305	PRJNA266539	7986	4700	4	SRRI661305_megahit.fa	7986	4700	4	SRRI661305_spades.fa	7986	4700	4	SRRI661305_before_rr.fa	7986	4700	4
SRRI661306	PRJNA266539	7986	4700	4	SRRI661306_megahit.fa	7986	4700	4	SRRI661306_spades.fa	7986	4700	4	SRRI661306_before_rr.fa	7986	4700	4
SRRI661307	PRJNA266539	5640	1914	1179	SRRI661307_megahit.fa	5640	1914	1179	SRRI661307_spades.fa	5640	1914	1179	SRRI661307_before_rr.fa	5640	1914	1179
SRRI661308	PRJNA266539	4985	3024	110	SRRI661308_megahit.fa	4985	3024	110	SRRI661308_spades.fa	4985	3024	110	SRRI661308_before_rr.fa	4985	3024	110
SRRI661309	PRJNA266539	225	4	4	SRRI661309_megahit.fa	225	4	4	SRRI661309_spades.fa	225	4	4	SRRI661309_before_rr.fa	22		

SRR2736094	PRJNA298332	21	14	33	SRR2736094_megahit.fa	21	14	33	SRR2736094_spades.fa	21	14	33	SRR2736094_before_rr.fa	21	14	33
SRR2736095	PRJNA298332	10502	241	33	SRR2736095_megahit.fa	10502	241	33	SRR2736095_spades.fa	10502	241	33	SRR2736095_before_rr.fa	10502	241	33
SRR2736096	PRJNA298332	10575	6178	110	SRR2736096_megahit.fa	10575	6178	110	SRR2736096_spades.fa	10575	6178	110	SRR2736096_before_rr.fa	10575	6178	110
SRR2736097	PRJNA298332	10576	6179	33	SRR2736097_megahit.fa	10576	6179	33	SRR2736097_spades.fa	10576	6179	33	SRR2736097_before_rr.fa	10576	6179	33
SRR2736098	PRJNA298332	21	14	33	SRR2736098_megahit.fa	21	14	33	SRR2736098_spades.fa	21	14	33	SRR2736098_before_rr.fa	21	14	33
SRR2736099	PRJNA298332	21	14	33	SRR2736099_megahit.fa	21	14	33	SRR2736099_spades.fa	21	14	33	SRR2736099_before_rr.fa	21	14	33
SRR2736100	PRJNA298332	21	14	33	SRR2736100_megahit.fa	21	14	33	SRR2736100_spades.fa	21	14	33	SRR2736100_before_rr.fa	21	14	33
SRR2736101	PRJNA298332	21	14	33	SRR2736101_megahit.fa	21	14	33	SRR2736101_spades.fa	21	14	33	SRR2736101_before_rr.fa	21	14	33
SRR2736102	PRJNA298332	21	14	33	SRR2736102_megahit.fa	21	14	33	SRR2736102_spades.fa	21	14	33	SRR2736102_before_rr.fa	21	14	33
SRR2736103	PRJNA298332	5	4	33	SRR2736103_megahit.fa	5	4	33	SRR2736103_spades.fa	5	4	33	SRR2736103_before_rr.fa	5	4	33
SRR2736104	PRJNA298332	5	4	33	SRR2736104_megahit.fa	5	4	33	SRR2736104_spades.fa	5	4	33	SRR2736104_before_rr.fa	5	4	33
SRR2736105	PRJNA298332	10577	6180	156	SRR2736105_megahit.fa	10577	6180	156	SRR2736105_spades.fa	10577	6180	156	SRR2736105_before_rr.fa	10577	6180	156
SRR2736106	PRJNA298332	5	4	33	SRR2736106_megahit.fa	5	4	33	SRR2736106_spades.fa	5	4	33	SRR2736106_before_rr.fa	5	4	33
SRR2736107	PRJNA298332	5	4	33	SRR2736107_megahit.fa	5	4	33	SRR2736107_spades.fa	5	4	33	SRR2736107_before_rr.fa	5	4	33
SRR2736108	PRJNA298332	5	4	33	SRR2736108_megahit.fa	5	4	33	SRR2736108_spades.fa	5	4	33	SRR2736108_before_rr.fa	5	4	33
SRR2736109	PRJNA298332	5	4	33	SRR2736109_megahit.fa	5	4	33	SRR2736109_spades.fa	5	4	33	SRR2736109_before_rr.fa	5	4	33
SRR2736110	PRJNA298332	64	50	29	SRR2736110_megahit.fa	64	50	29	SRR2736110_spades.fa	64	50	29	SRR2736110_before_rr.fa	64	50	29
SRR2736111	PRJNA298332	64	50	29	SRR2736111_megahit.fa	64	50	29	SRR2736111_spades.fa	64	50	29	SRR2736111_before_rr.fa	64	50	29
SRR2736112	PRJNA298332	5	4	33	SRR2736112_megahit.fa	5	4	33	SRR2736112_spades.fa	5	4	33	SRR2736112_before_rr.fa	5	4	33
SRR2736113	PRJNA298332	5	4	33	SRR2736113_megahit.fa	5	4	33	SRR2736113_spades.fa	5	4	33	SRR2736113_before_rr.fa	5	4	33
SRR2736114	PRJNA298332	10575	6178	110	SRR2736114_megahit.fa	10575	6178	110	SRR2736114_spades.fa	10575	6178	110	SRR2736114_before_rr.fa	10575	6178	110
SRR2736115	PRJNA298332	5	4	33	SRR2736115_megahit.fa	5	4	33	SRR2736115_spades.fa	5	4	33	SRR2736115_before_rr.fa	5	4	33
SRR2736116	PRJNA298332	10503	603	33	SRR2736116_megahit.fa	10503	603	33	SRR2736116_spades.fa	10503	603	33	SRR2736116_before_rr.fa	10503	603	33
SRR2736117	PRJNA298332	21	14	33	SRR2736117_megahit.fa	21	14	33	SRR2736117_spades.fa	21	14	33	SRR2736117_before_rr.fa	21	14	33
SRR2736118	PRJNA298332	10578	6181	9	SRR2736118_megahit.fa	10578	6181	9	SRR2736118_spades.fa	10578	6181	9	SRR2736118_before_rr.fa	10578	6181	9
SRR2736119	PRJNA298332	251	187	33	SRR2736119_megahit.fa	251	187	33	SRR2736119_spades.fa	251	187	33	SRR2736119_before_rr.fa	251	187	33
SRR2736120	PRJNA298332	21	14	33	SRR2736120_megahit.fa	21	14	33	SRR2736120_spades.fa	21	14	33	SRR2736120_before_rr.fa	21	14	33
SRR2736121	PRJNA298332	21	14	33	SRR2736121_megahit.fa	21	14	33	SRR2736121_spades.fa	21	14	33	SRR2736121_before_rr.fa	21	14	33
SRR2736122	PRJNA298332	21	14	33	SRR2736122_megahit.fa	21	14	33	SRR2736122_spades.fa	21	14	33	SRR2736122_before_rr.fa	21	14	33
SRR2736123	PRJNA298332	5	4	33	SRR2736123_megahit.fa	5	4	33	SRR2736123_spades.fa	5	4	33	SRR2736123_before_rr.fa	5	4	33
SRR2736124	PRJNA298332	21	14	33	SRR2736124_megahit.fa	21	14	33	SRR2736124_spades.fa	21	14	33	SRR2736124_before_rr.fa	21	14	33
SRR2736125	PRJNA298332	5	4	33	SRR2736125_megahit.fa	5	4	33	SRR2736125_spades.fa	5	4	33	SRR2736125_before_rr.fa	5	4	33
SRR2736126	PRJNA298332	21	14	33	SRR2736126_megahit.fa	21	14	33	SRR2736126_spades.fa	21	14	33	SRR2736126_before_rr.fa	21	14	33
SRR2736127	PRJNA298332	154	87	33	SRR2736127_megahit.fa	-	-	missing	SRR2736127_spades.fa	154	87	33	SRR2736127_before_rr.fa	154	87	33
SRR2736128	PRJNA298332	5	4	33	SRR2736128_megahit.fa	5	4	33	SRR2736128_spades.fa	5	4	33	SRR2736128_before_rr.fa	5	4	33
SRR2736129	PRJNA298332	5	4	33	SRR2736129_megahit.fa	5	4	33	SRR2736129_spades.fa	5	4	33	SRR2736129_before_rr.fa	5	4	33
SRR2736130	PRJNA298332	1116	334	33	SRR2736130_megahit.fa	1116	334	33	SRR2736130_spades.fa	1116	334	33	SRR2736130_before_rr.fa	1116	334	33
SRR2736131	PRJNA298332	64	50	29	SRR2736131_megahit.fa	-	-	missing	SRR2736131_spades.fa	64	50	29	SRR2736131_before_rr.fa	64	50	29
SRR2736132	PRJNA298332	5445	1582	33	SRR2736132_megahit.fa	5445	1582	33	SRR2736132_spades.fa	5445	1582	33	SRR2736132_before_rr.fa	5445	1582	33
SRR2736133	PRJNA298332	64	50	29	SRR2736133_megahit.fa	64	50	29	SRR2736133_spades.fa	64	50	29	SRR2736133_before_rr.fa	64	50	29
SRR2736134	PRJNA298332	1948	543	479	SRR2736134_megahit.fa	1948	543	479	SRR2736134_spades.fa	1948	543	479	SRR2736134_before_rr.fa	1948	543	479
SRR2736135	PRJNA298332	3132	719	4	SRR2736135_megahit.fa	3132	719	4	SRR2736135_spades.fa	3132	719	4	SRR2736135_before_rr.fa	3132	719	4
SRR2736136	PRJNA298332	64	50	29	SRR2736136_megahit.fa	64	50	29	SRR2736136_spades.fa	64	50	29	SRR2736136_before_rr.fa	64	50	29
SRR2736137	PRJNA298332	64	50	29	SRR2736137_megahit.fa	-	new	new	SRR2736137_spades.fa	-	new	new	SRR2736137_before_rr.fa	-	new	new
SRR2736138	PRJNA298332	3155	1913	4	SRR2736138_megahit.fa	3155	1913	4	SRR2736138_spades.fa	3155	1913	4	SRR2736138_before_rr.fa	3155	1913	4
SRR2736139	PRJNA298332	3155	1913	4	SRR2736139_megahit.fa	3155	1913	4	SRR2736139_spades.fa	3155	1913	4	SRR2736139_before_rr.fa	3155	1913	4
SRR2736140	PRJNA298332	64	50	29	SRR2736140_megahit.fa	64	50	29	SRR2736140_spades.fa	64	50	29	SRR2736140_before_rr.fa	64	50	29
SRR2736141	PRJNA298332	225	4	4	SRR2736141_megahit.fa	225	4	4	SRR2736141_spades.fa	225	4	4	SRR2736141_before_rr.fa	225	4	4
SRR2736142	PRJNA298332	4813	2906	6	SRR2736142_megahit.fa	4813	2906	6	SRR2736142_spades.fa	4813	2906	6	SRR2736142_before_rr.fa	4813	2906	6
SRR2736143	PRJNA298332	3150	1907	4	SRR2736143_megahit.fa	3150	1907	4	SRR2736143_spades.fa	3150	1907	4	SRR2736143_before_rr.fa	3150	1907	4
SRR2736144	PRJNA298332	4815	2907	29	SRR2736144_megahit.fa	4815	2907	29	SRR2736144_spades.fa	4815	2907	29	SRR2736144_before_rr.fa	4815	2907	29
SRR2736145	PRJNA298332	4815	2907	29	SRR2736145_megahit.fa	4815	2907	29	SRR2736145_spades.fa	4815	2907	29	SRR2736145_before_rr.fa	4815	2907	29
SRR2736146	PRJNA298332	3116	1884	25	SRR2736146_megahit.fa	3116	1884	25	SRR2736146_spades.fa	3116	1884	25	SRR2736146_before_rr.fa	3116	1884	25
SRR2736147	PRJNA298332	892	604	4	SRR2736147_megahit.fa	892	604	4	SRR2736147_spades.fa	892	604	4	SRR2736147_before_rr.fa	892	604	4
SRR2736148	PRJNA298332	225	4	4	SRR2736148_megahit.fa	225	4	4	SRR2736148_spades.fa	225	4	4	SRR2736148_before_rr.fa	225	4	4
SRR2736149	PRJNA298332	4814	485	10	SRR2736149_megahit.fa	4814	485	10	SRR2736149_spades.fa	4814	485	10	SRR2736149_before_rr.fa	4814	485	10
SRR2736150	PRJNA298332	3158	1914	110	SRR2736150_megahit.fa	3158	1914	110	SRR2736150_spades.fa	3158	1914	110	SRR2736150_before_rr.fa	3158	1914	110
SRR2736151	PRJNA298332	225	4	4	SRR2736151_megahit.fa	225	4	4	SRR2736151_spades.fa	225	4	4	SRR2736151_before_rr.fa	225	4	4
SRR2736152	PRJNA298332	4815	2907	29	SRR2736152_megahit.fa	4815	2907	29	SRR2736152_spades.fa	4815	2907	29	SRR2736152_before_rr.fa	4815	2907	29
SRR2736153	PRJNA298332	4815	2907	29	SRR2736153_megahit.fa	4815	2907	29	SRR2736153_spades.fa	4815	2907	29	SRR2736153_before_rr.fa	4815	2907	29
SRR2736154	PRJNA298332	4827	508	508	SRR2736154_megahit.fa	4827	182	508	SRR2736154_spades.fa	4827	182	508	SRR2736154_before_rr.fa	4827	182	508
SRR2736155	PRJNA298332	4816	2704	4	SRR2736155_megahit.fa	4816	2704	4	SRR2736155_spades.fa	4816	2704	4	SRR2736155_before_rr.fa	4816	2704	4
SRR2736156	PRJNA298332	421	206	156	SRR2736156_megahit.fa	421	206	156	SRR2736156_spades.fa	421	206	156	SRR2736156_before_rr.fa	421	206	156
SRR2736157	PRJNA298332	4836	1447	1020	SRR2736157_megahit.fa	4836	1447	1020	SRR2736157_spades.fa	4836	1447	1020	SRR2736157_before_rr.fa	4836	1447	1020
SRR2736158	PRJNA298332	3132	719	4	SRR2736158_megahit.fa	3132	719	4	SRR2736158_spades.fa	3132	719	4	SRR2736158_before_rr.fa	3132	719	4
SRR2736159	PRJNA298332	2992	1808	29	SRR2736159_megahit.fa	2992	1808	29	SRR2736159_spades.fa	2992	1808	29	SRR2736159_before_rr.fa	2992	1808	29
SRR2736160	PRJNA298332	1407	908	110	SRR2736160_megahit.fa	1407	908	110	SRR2736160_spades.fa	1407	908	110	SRR2736160_before_rr.fa	1407	908	110
SRR2736161	PRJNA298332	1407	908	110	SRR2736161_megahit.fa	1407	908	110	SRR2736161_spades.fa	1407	908	110	SRR2736161_before_rr.fa	1407	908	110
SRR2736162	PRJNA298332	1407	908	110	SRR2736162_megahit.fa	1407	908	110	SRR2736162_spades.fa	1407	908	110	SRR2736162_before_rr.fa	1407	908	110
SRR2736163	PRJNA298332	1407	908	110	SRR2736163_megahit.fa	1407	908	110	SRR2736163_spades.fa	1407	908	110	SRR2736163_before_rr.fa	1407	908	110
SRR2736164	PRJNA298332	225	4	4	SRR2736164_megahit.fa	225	4	4	SRR2736164_spades.fa	225	4	4	SRR2736164_before_rr.fa	225	4	4
SRR2736165	PRJNA298332	285	232	4	SRR2736165_megahit.fa	285	232	4	SRR2736165_spades.fa	285	232	4	SRR2736165_before_rr.fa	285	232	4
SRR2736166																

SRR2736186	PRJNA298332	3150	1907	4	29	SRR2736186_megahit.fa	3150	1907	4	-	1907	new	spades assembly error	SRR2736186_before_rr.fa	3150	1907	4
SRR2736187	PRJNA298332	2992	1808	29	29	SRR2736187_megahit.fa	2992	1808	29	2992	1808	29		SRR2736187_before_rr.fa	2992	1808	29
SRR2736188	PRJNA298332	2992	1808	29	29	SRR2736188_megahit.fa	2992	1808	29	2992	1808	29		SRR2736188_before_rr.fa	2992	1808	29
SRR2736189	PRJNA298332	2992	1808	29	29	SRR2736189_megahit.fa	2992	1808	29	2992	1808	29		SRR2736189_before_rr.fa	2992	1808	29
SRR2736190	PRJNA298332	2992	1808	29	29	SRR2736190_megahit.fa	2992	1808	29	2992	1808	29		SRR2736190_before_rr.fa	2992	1808	29
SRR2736191	PRJNA298332	6296	3706	29	29	SRR2736191_megahit.fa	6296	3706	29	6296	3706	29		SRR2736191_before_rr.fa	6296	3706	29
SRR2736192	PRJNA298332	2992	1808	29	29	SRR2736192_megahit.fa	2992	1808	29	2992	1808	29		SRR2736192_before_rr.fa	2992	1808	29
SRR2736193	PRJNA298332	757	262	4	4	SRR2736193_megahit.fa	757	262	4	757	262	4		SRR2736193_before_rr.fa	757	262	4
SRR2736194	PRJNA298332	2992	1808	29	29	SRR2736194_megahit.fa	2992	1808	29	2992	1808	29		SRR2736194_before_rr.fa	2992	1808	29
SRR2736195	PRJNA298332	2992	1808	29	29	SRR2736195_megahit.fa	2992	1808	29	2992	1808	29		SRR2736195_before_rr.fa	2992	1808	29
SRR2736196	PRJNA298332	2992	1808	29	29	SRR2736196_megahit.fa	2992	1808	29	2992	1808	29		SRR2736196_before_rr.fa	2992	1808	29
SRR2736197	PRJNA298332	2992	1808	29	29	SRR2736197_megahit.fa	2992	1808	29	2992	1808	29		SRR2736197_before_rr.fa	2992	1808	29
SRR2736198	PRJNA298332	3149	1903	110	110	SRR2736198_megahit.fa	437	14	4	4	4		sequence mixup?	SRR2736198_before_rr.fa	437	14	4
SRR2736199	PRJNA298332	1407	908	110	110	SRR2736199_megahit.fa	1407	908	110	1407	908	110		SRR2736199_before_rr.fa	1407	908	110
SRR2736200	PRJNA298332	688	98	4	4	SRR2736200_megahit.fa	688	98	4	688	98	4		SRR2736200_before_rr.fa	688	98	4
SRR2736201	PRJNA298332	688	98	4	4	SRR2736201_megahit.fa	688	98	4	688	98	4		SRR2736201_before_rr.fa	688	98	4
SRR2736202	PRJNA298332	5049	3059	29	29	SRR2736202_megahit.fa	5049	3059	29	5049	3059	29		SRR2736202_before_rr.fa	5049	3059	29
SRR2736203	PRJNA298332	5343	581	1131	1131	SRR2736203_megahit.fa	5343	581	1131	5343	581	1131		SRR2736203_before_rr.fa	5343	581	1131
SRR2736204	PRJNA298332	757	262	4	4	SRR2736204_megahit.fa	757	262	4	757	262	4		SRR2736204_before_rr.fa	757	262	4
SRR2736205	PRJNA298332	3150	1907	4	4	SRR2736205_megahit.fa	3150	1907	4	3150	1907	4		SRR2736205_before_rr.fa	3150	1907	4
SRR2736206	PRJNA298332	7199	4309	29	29	SRR2736206_megahit.fa	7199	4309	29	7199	4309	29		SRR2736206_before_rr.fa	7199	4309	29
SRR2736207	PRJNA298332	7199	4309	29	29	SRR2736207_megahit.fa	7199	4309	29	7199	4309	29		SRR2736207_before_rr.fa	7199	4309	29
SRR2736208	PRJNA298332	8035	4790	110	110	SRR2736208_megahit.fa	8035	4790	110	8035	4790	110		SRR2736208_before_rr.fa	8035	4790	110
SRR2736209	PRJNA298332	437	14	4	4	SRR2736209_megahit.fa	3149	1903	110	110	110		sequence mixup?	SRR2736209_before_rr.fa	3149	1903	110
SRR2736210	PRJNA298332	2992	1808	29	29	SRR2736210_megahit.fa	2992	1808	29	2992	1808	29		SRR2736210_before_rr.fa	2992	1808	29
SRR2736211	PRJNA298332	2992	1808	29	29	SRR2736211_megahit.fa	2992	1808	29	2992	1808	29		SRR2736211_before_rr.fa	2992	1808	29
SRR2736212	PRJNA298332	3935	908	29	29	SRR2736212_megahit.fa	3935	908	29	3935	908	29		SRR2736212_before_rr.fa	3935	908	29
SRR2736213	PRJNA298332	4991	3029	4	4	SRR2736213_megahit.fa	4991	3029	4	4991	3029	4		SRR2736213_before_rr.fa	4991	3029	4
SRR2736214	PRJNA298332	8690	5146	4	4	SRR2736214_megahit.fa	8690	5146	4	8690	5146	4		SRR2736214_before_rr.fa	8690	5146	4
SRR2736215	PRJNA298332	7986	4700	4	4	SRR2736215_megahit.fa	7986	4700	4	7986	4700	4		SRR2736215_before_rr.fa	7986	4700	4
SRR2736216	PRJNA298332	7986	4700	4	4	SRR2736216_megahit.fa	7986	4700	4	7986	4700	4		SRR2736216_before_rr.fa	7986	4700	4
SRR2736217	PRJNA298332	8203	2161	980	980	SRR2736217_megahit.fa	8203	2161	980	8203	2161	980		SRR2736217_before_rr.fa	8203	2161	980
SRR2736218	PRJNA298332	5650	3428	4	4	SRR2736218_megahit.fa	5650	3428	4	5650	3428	4		SRR2736218_before_rr.fa	5650	3428	4
SRR2736219	PRJNA298332	2992	1808	29	29	SRR2736219_megahit.fa	2992	1808	29	2992	1808	29		SRR2736219_before_rr.fa	2992	1808	29
SRR2736220	PRJNA298332	1407	908	110	110	SRR2736220_megahit.fa	1407	908	110	1407	908	110		SRR2736220_before_rr.fa	1407	908	110
SRR2736221	PRJNA298332	7199	4309	29	29	SRR2736221_megahit.fa	7199	4309	29	7199	4309	29		SRR2736221_before_rr.fa	7199	4309	29
SRR2736222	PRJNA298332	3158	1914	110	110	SRR2736222_megahit.fa	3158	1914	110	3158	1914	110		SRR2736222_before_rr.fa	3158	1914	110
SRR2736223	PRJNA298332	3158	1914	110	110	SRR2736223_megahit.fa	3158	1914	110	3158	1914	110		SRR2736223_before_rr.fa	3158	1914	110
SRR2736224	PRJNA298332	3158	1914	110	110	SRR2736224_megahit.fa	3158	1914	110	3158	1914	110		SRR2736224_before_rr.fa	3158	1914	110
SRR2736225	PRJNA298332	8915	5268	29	29	SRR2736225_megahit.fa	-	-	29	8915	5268	29	missing	SRR2736225_before_rr.fa	8915	5268	29
SRR2736226	PRJNA298332	3158	1914	110	110	SRR2736226_megahit.fa	3158	1914	110	3158	1914	110		SRR2736226_before_rr.fa	3158	1914	110
SRR2736227	PRJNA298332	3158	1914	110	110	SRR2736227_megahit.fa	3158	1914	110	3158	1914	110		SRR2736227_before_rr.fa	3158	1914	110
SRR2736228	PRJNA298332	3158	1914	110	110	SRR2736228_megahit.fa	-	-	110	3158	1914	110	missing	SRR2736228_before_rr.fa	3158	1914	110
SRR2736229	PRJNA298332	3158	1914	110	110	SRR2736229_megahit.fa	3158	1914	110	3158	1914	110		SRR2736229_before_rr.fa	3158	1914	110
SRR2736230	PRJNA298332	3158	1914	110	110	SRR2736230_megahit.fa	3158	1914	110	3158	1914	110		SRR2736230_before_rr.fa	3158	1914	110
SRR2736231	PRJNA298332	9436	260	1710	1710	SRR2736231_megahit.fa	9436	260	1710	9436	260	1710		SRR2736231_before_rr.fa	9436	260	1710
SRR2736232	PRJNA298332	3158	1914	110	110	SRR2736232_megahit.fa	3158	1914	110	3158	1914	110		SRR2736232_before_rr.fa	3158	1914	110
SRR2736233	PRJNA298332	2992	1808	29	29	SRR2736233_megahit.fa	2992	1808	29	2992	1808	29		SRR2736233_before_rr.fa	2992	1808	29
SRR2736234	PRJNA298332	2992	1808	29	29	SRR2736234_megahit.fa	2992	1808	29	2992	1808	29		SRR2736234_before_rr.fa	2992	1808	29
SRR2736235	PRJNA298332	2992	1808	29	29	SRR2736235_megahit.fa	2992	1808	29	2992	1808	29		SRR2736235_before_rr.fa	2992	1808	29
SRR2736236	PRJNA298332	2992	1808	29	29	SRR2736236_megahit.fa	2992	1808	29	2992	1808	29		SRR2736236_before_rr.fa	2992	1808	29
SRR2736237	PRJNA298332	2992	1808	29	29	SRR2736237_megahit.fa	2992	1808	29	2992	1808	29		SRR2736237_before_rr.fa	2992	1808	29
SRR2736238	PRJNA298332	2992	1808	29	29	SRR2736238_megahit.fa	2992	1808	29	2992	1808	29		SRR2736238_before_rr.fa	2992	1808	29
SRR2736239	PRJNA298332	2992	1808	29	29	SRR2736239_megahit.fa	2992	1808	29	2992	1808	29		SRR2736239_before_rr.fa	2992	1808	29
SRR2736240	PRJNA298332	2992	1808	29	29	SRR2736240_megahit.fa	2992	1808	29	2992	1808	29		SRR2736240_before_rr.fa	2992	1808	29
SRR2736241	PRJNA298332	9427	5596	110	110	SRR2736241_megahit.fa	9427	5596	110	9427	5596	110		SRR2736241_before_rr.fa	9427	5596	110
SRR2736242	PRJNA298332	8915	5268	29	29	SRR2736242_megahit.fa	8915	5268	29	8915	5268	29		SRR2736242_before_rr.fa	8915	5268	29
SRR2736243	PRJNA298332	6360	3957	563	563	SRR2736243_megahit.fa	6360	3957	563	6360	3957	563		SRR2736243_before_rr.fa	6360	3957	563
SRR2736244	PRJNA298332	9427	5596	110	110	SRR2736244_megahit.fa	9427	5596	110	9427	5596	110	missing	SRR2736244_before_rr.fa	9427	5596	110
SRR2736245	PRJNA298332	9427	5596	110	110	SRR2736245_megahit.fa	9427	5596	110	9427	5596	110		SRR2736245_before_rr.fa	9427	5596	110
SRR2736246	PRJNA298332	9427	5596	110	110	SRR2736246_megahit.fa	9427	5596	110	9427	5596	110		SRR2736246_before_rr.fa	9427	5596	110
SRR2736247	PRJNA298332	9427	5596	110	110	SRR2736247_megahit.fa	9427	5596	110	9427	5596	110		SRR2736247_before_rr.fa	9427	5596	110
SRR2736248	PRJNA298332	9427	5596	110	110	SRR2736248_megahit.fa	9427	5596	110	9427	5596	110		SRR2736248_before_rr.fa	9427	5596	110
SRR2736249	PRJNA298332	3935	908	29	29	SRR2736249_megahit.fa	3935	908	29	3935	908	29		SRR2736249_before_rr.fa	3935	908	29
SRR2736250	PRJNA298332	9047	5351	29	29	SRR2736250_megahit.fa	-	-	-	9047	5351	29/16	is dominant allele (assembled in context; allele 16 lone gene)	SRR2736250_before_rr.fa	multiple	5351	29/16
SRR2736251	PRJNA298332	2992	1808	29	29	SRR2736251_megahit.fa	2992	1808	29	2992	1808	29		SRR2736251_before_rr.fa	2992	1808	29
SRR2736252	PRJNA298332	2992	1808	29	29	SRR2736252_megahit.fa	2992	1808	29	2992	1808	29		SRR2736252_before_rr.fa	2992	1808	29
SRR2736253	PRJNA298332	8015	4778	29	29	SRR2736253_megahit.fa	8015	4778	29	8015	4778	29		SRR2736253_before_rr.fa	8015	4778	29
SRR2736254	PRJNA298332	3158	1914	110	110	SRR2736254_megahit.fa	3158	1914	110	3158							

SRR2736278	PRJNA298332	10567	6175	29	SRR2736278_megahit.fa	10567	6175	29	SRR2736278_spades.fa	10567	6175	29	SRR2736278_before_rr.fa	10567	6175	29
SRR2736279	PRJNA298332	3149	1903	110	SRR2736279_megahit.fa	3149	1903	110	SRR2736279_spades.fa	3149	1903	110	SRR2736279_before_rr.fa	3149	1903	110
SRR2736280	PRJNA298332	1407	908	110	SRR2736280_megahit.fa	1407	908	110	SRR2736280_spades.fa	1407	908	110	SRR2736280_before_rr.fa	1407	908	110
SRR2736281	PRJNA298332	2400	1489	563	SRR2736281_megahit.fa	2400	1489	563	SRR2736281_spades.fa	2400	1489	563	SRR2736281_before_rr.fa	2400	1489	563
SRR2736282	PRJNA298332	10567	6175	29	SRR2736282_megahit.fa	-	-	29	SRR2736282_spades.fa	10567	6175	29	SRR2736282_before_rr.fa	10567	6175	29
SRR2736283	PRJNA298332	10567	6175	29	SRR2736283_megahit.fa	10567	6175	29	SRR2736283_spades.fa	10567	6175	29	SRR2736283_before_rr.fa	10567	6175	29
SRR2736284	PRJNA298332	10567	6175	29	SRR2736284_megahit.fa	10567	6175	29	SRR2736284_spades.fa	10567	6175	29	SRR2736284_before_rr.fa	10567	6175	29
SRR2736285	PRJNA298332	10567	6175	29	SRR2736285_megahit.fa	10567	6175	29	SRR2736285_spades.fa	10567	6175	29	SRR2736285_before_rr.fa	10567	6175	29
SRR2736286	PRJNA298332	10567	6175	29	SRR2736286_megahit.fa	10567	6175	29	SRR2736286_spades.fa	10567	6175	29	SRR2736286_before_rr.fa	10567	6175	29
SRR2736287	PRJNA298332	10567	6175	29	SRR2736287_megahit.fa	10567	6175	29	SRR2736287_spades.fa	10567	6175	29	SRR2736287_before_rr.fa	10567	6175	29
SRR2736288	PRJNA298332	10567	6175	29	SRR2736288_megahit.fa	10567	6175	29	SRR2736288_spades.fa	10567	6175	29	SRR2736288_before_rr.fa	10567	6175	29
SRR2736289	PRJNA298332	10568	5829	4	SRR2736289_megahit.fa	10568	5829	4	SRR2736289_spades.fa	10568	5829	4	SRR2736289_before_rr.fa	10568	5829	4
SRR2736290	PRJNA298332	7571	2763	29	SRR2736290_megahit.fa	-	-	29	SRR2736290_spades.fa	7571	2763	29	SRR2736290_before_rr.fa	7571	2763	29
SRR2736291	PRJNA298332	10567	6175	29	SRR2736291_megahit.fa	10567	6175	29	SRR2736291_spades.fa	10567	6175	29	SRR2736291_before_rr.fa	10567	6175	29
SRR2736292	PRJNA298332	10567	6175	29	SRR2736292_megahit.fa	10567	6175	29	SRR2736292_spades.fa	10567	6175	29	SRR2736292_before_rr.fa	10567	6175	29
SRR2736293	PRJNA298332	9368	2703	893	SRR2736293_megahit.fa	9368	2703	893	SRR2736293_spades.fa	9368	2703	893	SRR2736293_before_rr.fa	9368	2703	893
SRR2736294	PRJNA298332	9368	2703	893	SRR2736294_megahit.fa	9368	2703	893	SRR2736294_spades.fa	9368	2703	893	SRR2736294_before_rr.fa	9368	2703	893
SRR2736295	PRJNA298332	10567	6175	29	SRR2736295_megahit.fa	10567	6175	29	SRR2736295_spades.fa	10567	6175	29	SRR2736295_before_rr.fa	10567	6175	29
SRR2736296	PRJNA298332	10567	6175	29	SRR2736296_megahit.fa	10567	6175	29	SRR2736296_spades.fa	10567	6175	29	SRR2736296_before_rr.fa	10567	6175	29
SRR2736297	PRJNA298332	10567	6175	29	SRR2736297_megahit.fa	10567	6175	29	SRR2736297_spades.fa	10567	6175	29	SRR2736297_before_rr.fa	10567	6175	29
SRR2736298	PRJNA298332	9368	2703	893	SRR2736298_megahit.fa	9368	2703	893	SRR2736298_spades.fa	9368	2703	893	SRR2736298_before_rr.fa	9368	2703	893
SRR2736299	PRJNA298332	9047	5351	29	SRR2736299_megahit.fa	9047	5351	29	SRR2736299_spades.fa	9047	5351	29	SRR2736299_before_rr.fa	9047	5351	29
SRR2736300	PRJNA298332	10814	6341	29	SRR2736300_megahit.fa	10814	6341	29	SRR2736300_spades.fa	10814	6341	29	SRR2736300_before_rr.fa	10814	6341	29
SRR2736301	PRJNA298332	10815	6342	894	SRR2736301_megahit.fa	10815	6342	894	SRR2736301_spades.fa	10815	6342	894	SRR2736301_before_rr.fa	10815	6342	894
SRR2736302	PRJNA298332	10567	6175	29	SRR2736302_megahit.fa	10567	6175	29	SRR2736302_spades.fa	10567	6175	29	SRR2736302_before_rr.fa	10567	6175	29
SRR2736303	PRJNA298332	10567	6175	29	SRR2736303_megahit.fa	-	-	29	SRR2736303_spades.fa	10567	6175	29	SRR2736303_before_rr.fa	10567	6175	29
SRR2736304	PRJNA298332	9368	2703	893	SRR2736304_megahit.fa	9368	2703	893	SRR2736304_spades.fa	9368	2703	893	SRR2736304_before_rr.fa	9368	2703	893
SRR2736305	PRJNA298332	9368	2703	893	SRR2736305_megahit.fa	9368	2703	893	SRR2736305_spades.fa	9368	2703	893	SRR2736305_before_rr.fa	9368	2703	893
SRR2736306	PRJNA298332	9047	5351	29	SRR2736306_megahit.fa	9047	5351	29	SRR2736306_spades.fa	9047	5351	29	SRR2736306_before_rr.fa	9047	5351	29
ERR1426708	PRIEB14168	495	91	32	AUSMDU00004452_megahit.fa	495	91	32	AUSMDU00004452_spades.fa	495	91	32	AUSMDU00004452_before_rr.fa	495	91	32
ERR1426709	PRIEB14168	3304	2000	4	AUSMDU00004453_megahit.fa	3304	2000	4	AUSMDU00004453_spades.fa	3304	2000	4	AUSMDU00004453_before_rr.fa	3304	2000	4
ERR1426710	PRIEB14168	556	90	122	AUSMDU00004454_megahit.fa	556	90	122	AUSMDU00004454_spades.fa	556	90	122	AUSMDU00004454_before_rr.fa	556	90	122
ERR1426711	PRIEB14168	3303	2002	165	AUSMDU00004455_megahit.fa	3303	2002	165	AUSMDU00004455_spades.fa	3303	2002	165	AUSMDU00004455_before_rr.fa	3303	2002	165
ERR1426712	PRIEB14168	1407	908	110	AUSMDU00004456_megahit.fa	1407	908	110	AUSMDU00004456_spades.fa	1407	908	110	AUSMDU00004456_before_rr.fa	1407	908	110
ERR1426713	PRIEB14168	10814	6341	29	AUSMDU00004457_megahit.fa	10814	6341	29	AUSMDU00004457_spades.fa	10814	6341	29	AUSMDU00004457_before_rr.fa	10814	6341	29
ERR1426714	PRIEB14168	1407	908	110	AUSMDU00004458_megahit.fa	1407	908	110	AUSMDU00004458_spades.fa	1407	908	110	AUSMDU00004458_before_rr.fa	1407	908	110
ERR1426715	PRIEB14168	1619	1057	21	AUSMDU00004459_megahit.fa	1619	1057	21	AUSMDU00004459_spades.fa	1619	1057	21	AUSMDU00004459_before_rr.fa	1619	1057	21
ERR1426716	PRIEB14168	3493	2111	26	AUSMDU00004460_megahit.fa	3493	2111	26	AUSMDU00004460_spades.fa	3493	2111	26	AUSMDU00004460_before_rr.fa	3493	2111	26
ERR1426717	PRIEB14168	1768	1135	446	AUSMDU00004461_megahit.fa	1768	1135	446	AUSMDU00004461_spades.fa	1768	1135	446	AUSMDU00004461_before_rr.fa	1768	1135	446
ERR1426718	PRIEB14168	225	4	4	AUSMDU00004462_megahit.fa	225	4	4	AUSMDU00004462_spades.fa	225	4	4	AUSMDU00004462_before_rr.fa	225	4	4
ERR1426719	PRIEB14168	4950	3002	110	AUSMDU00004463_megahit.fa	4950	3002	110	AUSMDU00004463_spades.fa	4950	3002	110	AUSMDU00004463_before_rr.fa	4950	3002	110
ERR1426720	PRIEB14168	4951	3003	110	AUSMDU00004464_megahit.fa	4951	3003	110	AUSMDU00004464_spades.fa	4951	3003	110	AUSMDU00004464_before_rr.fa	4951	3003	110
ERR1426721	PRIEB14168	4949	3001	29	AUSMDU00004465_megahit.fa	4949	3001	29	AUSMDU00004465_spades.fa	4949	3001	29	AUSMDU00004465_before_rr.fa	4949	3001	29
ERR1426722	PRIEB14168	2992	1808	29	AUSMDU00004466_megahit.fa	2992	1808	29	AUSMDU00004466_spades.fa	2992	1808	29	AUSMDU00004466_before_rr.fa	2992	1808	29
ERR1426723	PRIEB14168	4990	90	1044	AUSMDU00004467_megahit.fa	4990	90	1044	AUSMDU00004467_spades.fa	4990	90	1044	AUSMDU00004467_before_rr.fa	4990	90	1044
ERR1426724	PRIEB14168	4376	2683	186	AUSMDU00004468_megahit.fa	4376	2683	186	AUSMDU00004468_spades.fa	4376	2683	186	AUSMDU00004468_before_rr.fa	4376	2683	186
ERR1426725	PRIEB14168	835	566	10	AUSMDU00004469_megahit.fa	835	566	10	AUSMDU00004469_spades.fa	835	566	10	AUSMDU00004469_before_rr.fa	835	566	10
ERR1426726	PRIEB14168	912	318	74	AUSMDU00004470_megahit.fa	912	318	74	AUSMDU00004470_spades.fa	912	318	74	AUSMDU00004470_before_rr.fa	912	318	74
ERR1426727	PRIEB14168	3305	2001	29	AUSMDU00004471_megahit.fa	3305	2001	29	AUSMDU00004471_spades.fa	3305	2001	29	AUSMDU00004471_before_rr.fa	3305	2001	29
ERR1426728	PRIEB14168	621	90	18	AUSMDU00004472_megahit.fa	621	90	18	AUSMDU00004472_spades.fa	621	90	18	AUSMDU00004472_before_rr.fa	621	90	18
ERR1426729	PRIEB14168	6354	3751	470	AUSMDU00004473_megahit.fa	6354	3751	470	AUSMDU00004473_spades.fa	6354	3751	470	AUSMDU00004473_before_rr.fa	6354	3751	470
ERR1426730	PRIEB14168	4822	1903	29	AUSMDU00004474_megahit.fa	4822	1903	29	AUSMDU00004474_spades.fa	4822	1903	29	AUSMDU00004474_before_rr.fa	4822	1903	29
ERR1426731	PRIEB14168	8917	5170	467	AUSMDU00004475_megahit.fa	8917	5170	467	AUSMDU00004475_spades.fa	8917	5170	467	AUSMDU00004475_before_rr.fa	8917	5170	467
ERR1426732	PRIEB14168	1424	917	10	AUSMDU00004476_megahit.fa	1424	917	10	AUSMDU00004476_spades.fa	1424	917	10	AUSMDU00004476_before_rr.fa	1424	917	10
ERR1426733	PRIEB14168	1407	908	110	AUSMDU00004477_megahit.fa	1407	908	110	AUSMDU00004477_spades.fa	1407	908	110	AUSMDU00004477_before_rr.fa	1407	908	110
ERR1426734	PRIEB14168	1752	1119	193	AUSMDU00004478_megahit.fa	1752	1119	193	AUSMDU00004478_spades.fa	1752	1119	193	AUSMDU00004478_before_rr.fa	1752	1119	193
ERR1426735	PRIEB14168	1422	915	21	AUSMDU00004479_megahit.fa	1422	915	21	AUSMDU00004479_spades.fa	1422	915	21	AUSMDU00004479_before_rr.fa	1422	915	21
ERR1426736	PRIEB14168	1572	1022	6	AUSMDU00004480_megahit.fa	1572	1022	6	AUSMDU00004480_spades.fa	1572	1022	6	AUSMDU00004480_before_rr.fa	1572	1022	6
ERR1426737	PRIEB14168	285	232	4	AUSMDU00004481_megahit.fa	285	232	4	AUSMDU00004481_spades.fa	285	232	4	AUSMDU00004481_before_rr.fa	285	232	4
ERR1426738	PRIEB14168	2400	1489	563	AUSMDU00004482_megahit.fa	2400	1489	563	AUSMDU00004482_spades.fa	2400	1489	563	AUSMDU00004482_before_rr.fa	2400	1489	563
ERR1426739	PRIEB14168	9368	2703	893	AUSMDU00004483_megahit.fa	9368	2703	893	AUSMDU00004483_spades.fa	9368	2703	893	AUSMDU00004483_before_rr.fa	9368	2703	893
ERR1426740	PRIEB14168	10193	4097	579	AUSMDU00004484_megahit.fa	10193	4097	579	AUSMDU00004484_spades.fa	10193	4097	579	AUSMDU00004484_before_rr.fa	10193	4097	579
ERR1426741	PRIEB14168	356	61	27	AUSMDU00004485_megahit.fa	356	61	27	AUSMDU00004485_spades.fa	356	61	27	AUSMDU00004485_before_rr.fa	356	61	27
ERR1426742	PRIEB14168	299	2	27	AUSMDU00004486_megahit.fa	299	2	27	AUSMDU00004486_spades.fa	299	2	27	AUSMDU00004486_before_rr.fa	299	2	27
ERR1426743	PRIEB14168	7175	4292	35	AUSMDU00004487_megahit.fa	7175	4292	35	AUSMDU00004487_spades.fa	7175	4292	35	AUSMDU00004487_before_rr.fa	7175	4292	35
ERR1426744	PRIEB14168	9650	787	4	AUSMDU00004488_megahit.fa	9650	787	4	AUSMDU00004488_spades.fa	9650	787	4	AUSMDU00004488_before_rr.fa	9650	787	4
ERR1426745	PRIEB14168	7577	30	1432	AUSMDU00004489_megahit.fa											

SAMPLE_ID	STUDY	READS	YIELD	GC	MIN_LEN	AVG_LEN	MAX_LEN	MODE_LEN	PHRED	AVG_QUAL	DEPTH	MEGHANT_ID	CONTIGS	SIZE	OK	Ns	GAPS	MIN	AVG	MAX	NS0	SPADES_ID	CONTIGS	SIZE	OK	Ns	GAPS	MIN	AVG	MAX	NS0
ERR191730	PRJ25999	4596800	458690000	51.9	100	100	100	100	33	35	202x	ERR191730_megahit.fa	188	2138715	2138715	0	0	500	11376	67545	36600	ERR191730_spades.fa	139	2155642	2156642	0	0	98	15514	10874	48768
ERR191731	PRJ25999	7120646	712064600	51.9	100	100	100	100	33	35	313x	ERR191731_megahit.fa	158	2129597	2129597	0	0	530	13478	105283	37120	ERR191731_spades.fa	155	2167893	2167893	0	0	98	18386	20818	47518
ERR191732	PRJ25999	3621838	362183800	51.9	100	100	100	100	33	35	159x	ERR191732_megahit.fa	166	2122954	2122954	0	0	500	12788	67539	36060	ERR191732_spades.fa	131	2146700	2146700	0	0	102	16377	189751	47744
ERR191733	PRJ25999	3663482	366348200	51.8	100	100	100	100	33	35.1	161x	ERR191733_megahit.fa	162	2127410	2127410	0	0	530	11332	68377	35401	ERR191733_spades.fa	147	2157581	2157581	0	0	98	14687	12825	44403
ERR191734	PRJ25999	3927866	392786600	51.7	100	100	100	100	33	35	178x	ERR191734_megahit.fa	165	2125568	2125568	0	0	537	12820	65512	35220	ERR191734_spades.fa	165	2120627	2120627	0	0	98	12323	14515	42309
ERR191735	PRJ25999	5961108	596110800	51.9	100	100	100	100	33	35	262x	ERR191735_megahit.fa	159	2123466	2123466	0	0	509	13355	107835	35447	ERR191735_spades.fa	183	2162888	2162888	0	0	98	11819	137534	47595
ERR191736	PRJ25999	5031372	503137200	51.7	100	100	100	100	33	35.1	221x	ERR191736_megahit.fa	165	2121895	2121895	0	0	500	12859	67544	35447	ERR191736_spades.fa	162	2155355	2155355	0	0	98	13304	173792	42312
ERR191737	PRJ25999	5842272	584227200	51.9	100	100	100	100	33	35.1	256x	ERR191737_megahit.fa	161	2120476	2120476	0	0	510	13072	127278	34821	ERR191737_spades.fa	146	2144684	2144684	0	0	98	14689	20731	47514
ERR191738	PRJ25999	3670272	367027200	51.8	100	100	100	100	33	35	161x	ERR191738_megahit.fa	163	2072302	2072302	0	0	507	12719	105300	36623	ERR191738_spades.fa	106	2080205	2080205	0	0	104	1964	17551	49446
ERR191739	PRJ25999	3927866	392786600	51.7	100	100	100	100	33	35	172x	ERR191739_megahit.fa	160	2067336	2067336	0	0	537	12820	65512	35220	ERR191739_spades.fa	165	2120627	2120627	0	0	98	12323	14515	42309
ERR191740	PRJ25999	7196718	719671800	51.9	100	100	100	100	33	35.2	316x	ERR191740_megahit.fa	166	2132198	2132198	0	0	503	12844	108265	35458	ERR191740_spades.fa	163	2166646	2166646	0	0	98	13292	152708	47749
ERR191741	PRJ25999	5788932	578893200	51.9	100	100	100	100	33	35.1	254x	ERR191741_megahit.fa	163	2134135	2134135	0	0	503	13092	108268	35458	ERR191741_spades.fa	171	2167532	2167532	0	0	98	12675	152708	48639
ERR191746	PRJ25999	7151404	715140400	51.8	100	100	100	100	33	35.2	314x	ERR191746_megahit.fa	165	2123247	2123247	0	0	500	12862	105280	35447	ERR191746_spades.fa	152	2156919	2156919	0	0	98	14100	172950	47242
ERR191747	PRJ25999	3714522	371452200	52	100	100	100	100	33	35.1	163x	ERR191747_megahit.fa	188	2088881	2088881	0	0	507	11111	105296	35465	ERR191747_spades.fa	152	2100394	2100394	0	0	98	13818	172963	47110
ERR191748	PRJ25999	4640150	464015000	51.8	100	100	100	100	33	35.1	204x	ERR191748_megahit.fa	161	2124211	2124211	0	0	500	12946	105283	35447	ERR191748_spades.fa	161	2154787	2154787	0	0	98	15823	19940	48527
ERR191749	PRJ25999	4854092	485409200	51.8	100	100	100	100	33	35.1	213x	ERR191749_megahit.fa	162	2143559	2143559	0	0	505	13113	113809	35863	ERR191749_spades.fa	156	2157790	2157790	0	0	98	13831	207774	48865
ERR191750	PRJ25999	7848930	784893000	51.8	100	100	100	100	33	35.1	345x	ERR191750_megahit.fa	166	2123451	2123451	0	0	500	12791	105298	35447	ERR191750_spades.fa	144	2159239	2159239	0	0	98	14994	20775	48721
ERR191751	PRJ25999	4618014	461801400	51.9	100	100	100	100	33	35.1	203x	ERR191751_megahit.fa	193	2137810	2137810	0	0	505	11076	67849	37311	ERR191751_spades.fa	162	2150581	2150581	0	0	98	13275	196720	44518
ERR191752	PRJ25999	6199800	619980000	51.8	100	100	100	100	33	35.1	272x	ERR191752_megahit.fa	165	2122162	2122162	0	0	500	12861	108327	36623	ERR191752_spades.fa	172	2162430	2162430	0	0	98	12572	207962	46837
ERR191753	PRJ25999	4474280	447428000	51	100	100	100	100	33	35.1	196x	ERR191753_megahit.fa	163	2122340	2122340	0	0	502	13019	105244	34611	ERR191753_spades.fa	152	2152815	2152815	0	0	98	14163	173631	48736
ERR191754	PRJ25999	4344046	434404600	51.7	100	100	100	100	33	35.1	191x	ERR191754_megahit.fa	165	2124161	2124161	0	0	500	12873	105280	35447	ERR191754_spades.fa	129	2152508	2152508	0	0	98	16686	207972	43132
ERR191755	PRJ25999	3254600	325460000	51.8	100	100	100	100	33	34.9	143x	ERR191755_megahit.fa	168	2128274	2128274	0	0	500	12668	105239	34948	ERR191755_spades.fa	102	2138994	2138994	0	0	379	20790	17623	46733
ERR191756	PRJ25999	3126182	312618200	51.7	100	100	100	100	33	35	137x	ERR191756_megahit.fa	169	2125571	2125571	0	0	507	12577	105278	35384	ERR191756_spades.fa	126	2146314	2146314	0	0	102	17304	207756	48614
ERR191757	PRJ25999	4178670	417867000	51.7	100	100	100	100	33	35.1	183x	ERR191757_megahit.fa	170	2124691	2124691	0	0	500	12498	67266	35302	ERR191757_spades.fa	145	2153320	2153320	0	0	98	14864	207979	46118
ERR191758	PRJ25999	3935128	393512800	51.7	100	100	100	100	33	35	159x	ERR191758_megahit.fa	166	2125751	2125751	0	0	500	12799	105283	35384	ERR191758_spades.fa	149	2150785	2150785	0	0	98	14786	20812	47874
ERR191759	PRJ25999	3753398	375339800	51.7	100	100	100	100	33	35.1	165x	ERR191759_megahit.fa	166	2125219	2125219	0	0	500	12802	67543	34662	ERR191759_spades.fa	117	2149035	2149035	0	0	98	18367	127775	43176
ERR191760	PRJ25999	3935142	393514200	51.6	100	100	100	100	33	35	173x	ERR191760_megahit.fa	164	2124604	2124604	0	0	500	12954	105278	34781	ERR191760_spades.fa	152	2154021	2154021	0	0	98	14171	193260	42088
ERR191761	PRJ25999	4046338	404633800	52	100	100	100	100	33	35.1	177x	ERR191761_megahit.fa	169	2075150	2075150	0	0	509	12257	105258	34904	ERR191761_spades.fa	163	2108817	2108817	0	0	98	12925	173201	47040
ERR191762	PRJ25999	3799268	379926800	51.5	100	100	100	100	33	35.1	167x	ERR191762_megahit.fa	166	2167169	2167169	0	0	500	13055	108336	35084	ERR191762_spades.fa	139	2191632	2191632	0	0	98	15767	176202	44542
ERR191763	PRJ25999	4640150	464015000	51.8	100	100	100	100	33	35	173x	ERR191763_megahit.fa	166	2124555	2124555	0	0	500	12863	105283	35384	ERR191763_spades.fa	141	2154787	2154787	0	0	98	15240	176202	44542
ERR191764	PRJ25999	11148772	1114877200	51.8	100	100	100	100	33	35.1	490x	ERR191764_megahit.fa	169	2126814	2126814	0	0	500	12584	67544	35387	ERR191764_spades.fa	153	2155550	2155550	0	0	98	14090	207968	52951
ERR191765	PRJ25999	8513900	851390000	51.7	100	100	100	100	33	35.1	374x	ERR191765_megahit.fa	168	2130498	2130498	0	0	519	12681	67544	31210	ERR191765_spades.fa	165	2169716	2169715	1	0	98	13149	152908	55147
ERR191766	PRJ25999	7042690	704269000	51.8	100	100	100	100	33	35.1	309x	ERR191766_megahit.fa	164	2121039	2121039	0	0	500	12933	67544	34015	ERR191766_spades.fa	160	2159652	2159652	0	0	98	13497	152519	48827
ERR191767	PRJ25999	3667728	366772800	52	100	100	100	100	33	35.1	161x	ERR191767_megahit.fa	174	207917	207917	0	0	507	11930	95095	35485	ERR191767_spades.fa	144	2099940	2099940	0	0	101	14582	176264	52829
ERR191768	PRJ25999	4078976	407897600	51.8	100	100	100	100	33	35.1	242x	ERR191768_megahit.fa	165	2126519	2126519	0	0	500	12786	105280	35447	ERR191768_spades.fa	160	2159652	2159652	0	0	98	14654	20792	47297
ERR191769	PRJ25999	3659636	365963600	51.4	100	100	100	100	33	35.1	160x	ERR191769_megahit.fa	155	2120454	2120454	0	0	529	13680	105225	36728	ERR191769_spades.fa	165	2154426	2154426	0	0	98	13057	173284	43162
ERR191770	PRJ25999	3708338	370833800	51.8	100	100	100	100	33	35.1	163x	ERR191770_megahit.fa	173	2126857	2126857	0	0	500	12293	67545	34015	ERR191770_spades.fa	135	2153961	2153961	0	0	98	15955	218653	55272
ERR191771	PRJ25999	3512872	351287200	51.9	100	100	100	100	33	35	154x	ERR191771_megahit.fa	160	2125919	2125919	0	0	515	13286	127201	35465	ERR191771_spades.fa	105	2134985	2134985	0	0	109	20373	179558	45652
ERR191772																															

ERR223616	PRJNA2999	5240324	52403240	52	100	100	100	33	34.5	230x	ERR223616_megahit.fa	173	2075682	2075682	0	0	507	11998	95095	35088	ERR223616_spades.fa	159	2107264	2107264	0	0	98	12353	20804	48076
ERR223619	PRJNA2999	3498488	349848800	51.6	100	100	100	100	34.6	153x	ERR223619_megahit.fa	166	2124403	2124403	0	0	500	12797	105284	35447	ERR223619_spades.fa	95	2130599	2130599	0	0	98	22427	140349	57554
ERR223620	PRJNA2999	3931468	393146800	51.8	100	100	100	100	34.5	172x	ERR223620_megahit.fa	172	2130618	2130618	0	0	500	12387	67544	35322	ERR223620_spades.fa	140	2147695	2147695	0	0	99	15340	172773	47408
ERR223621	PRJNA2999	3325616	332561600	51.8	100	100	100	100	34.6	146x	ERR223621_megahit.fa	164	2122796	2122796	0	0	500	12943	105281	35379	ERR223621_spades.fa	109	2131555	2131555	0	0	98	19559	172719	41975
ERR223622	PRJNA2999	2834704	283470400	51.8	100	100	100	100	34.7	124x	ERR223622_megahit.fa	169	2124871	2124871	0	0	503	12573	105254	35183	ERR223622_spades.fa	116	2133922	2133922	0	0	98	18409	157783	45310
ERR223623	PRJNA2999	466238	466238000	51.8	100	100	100	100	34.5	144x	ERR223623_megahit.fa	169	2125559	2125559	0	0	500	12445	105259	35179	ERR223623_spades.fa	99	2121929	2121929	0	0	99	21754	20210	41964
ERR223624	PRJNA2999	3909014	390901400	52	100	100	100	100	34.5	171x	ERR223624_megahit.fa	208	2100744	2100744	0	0	507	10099	85634	30517	ERR223624_spades.fa	145	2100027	2100027	0	0	98	14482	127842	52713
ERR223625	PRJNA2999	4077338	407733800	51.7	100	100	100	100	34.6	179x	ERR223625_megahit.fa	162	2122581	2122581	0	0	500	13102	105281	35405	ERR223625_spades.fa	138	2150323	2150323	0	0	98	15582	188849	40869
ERR223626	PRJNA2999	3937908	393790800	52	100	100	100	100	34.7	173x	ERR223626_megahit.fa	169	2074898	2074898	0	0	507	12277	105297	35465	ERR223626_spades.fa	160	2102778	2102778	0	0	98	12439	208032	44141
ERR223627	PRJNA2999	3939662	393966200	51.7	100	100	100	100	34.6	172x	ERR223627_megahit.fa	163	2124556	2124556	0	0	500	13034	108309	35600	ERR223627_spades.fa	140	2147277	2147277	0	0	102	15137	207906	41208
ERR223628	PRJNA2999	466238	466238000	51.8	100	100	100	100	34.5	144x	ERR223628_megahit.fa	169	2125559	2125559	0	0	500	12380	67545	35090	ERR223628_spades.fa	99	2126690	2126690	0	0	98	15314	13194	41964
ERR223629	PRJNA2999	3519586	351958600	51.8	100	100	100	100	34.6	154x	ERR223629_megahit.fa	202	2166815	2166815	0	0	500	10735	101846	30717	ERR223629_spades.fa	138	2197687	2197687	0	0	98	15025	125335	40675
ERR223630	PRJNA2999	4742246	474224600	51.8	100	100	100	100	34.6	208x	ERR223630_megahit.fa	167	2124155	2124155	0	0	500	12719	105267	30722	ERR223630_spades.fa	151	2158114	2158114	0	0	98	14922	172737	41530
ERR223631	PRJNA2999	5906566	590656600	51.8	100	100	100	100	34.5	259x	ERR223631_megahit.fa	159	2120681	2120681	0	0	500	13337	108292	37225	ERR223631_spades.fa	156	2150326	2150326	0	0	98	13814	110317	48776
ERR223632	PRJNA2999	4159388	415938800	51.9	100	100	100	100	34.5	182x	ERR223632_megahit.fa	170	2074953	2074953	0	0	507	12205	105255	35303	ERR223632_spades.fa	159	2100309	2100309	0	0	98	13209	131726	52618
ERR223633	PRJNA2999	3960780	396078000	51.8	100	100	100	100	34.6	152x	ERR223633_megahit.fa	166	2124284	2124284	0	0	500	12790	67548	35179	ERR223633_spades.fa	109	2123187	2123187	0	0	98	20016	19023	40799
ERR223634	PRJNA2999	3960878	396087800	51.9	100	100	100	100	34.5	174x	ERR223634_megahit.fa	168	2073206	2073206	0	0	507	12340	105305	34950	ERR223634_spades.fa	155	2099242	2099242	0	0	103	15434	208049	45428
ERR223635	PRJNA2999	3546958	354695800	51.7	100	100	100	100	34.5	156x	ERR223635_megahit.fa	167	2123509	2123509	0	0	500	12715	105286	34015	ERR223635_spades.fa	104	2132929	2132929	0	0	98	20508	173299	44099
ERR223636	PRJNA2999	4126366	412636600	51.7	100	100	100	100	34.6	161x	ERR223636_megahit.fa	163	2128168	2128168	0	0	500	13056	67547	35417	ERR223636_spades.fa	145	2155713	2155713	0	0	98	14866	176224	49988
ERR223637	PRJNA2999	3761996	376199600	51.7	100	100	100	100	34.5	185x	ERR223637_megahit.fa	166	2124059	2124059	0	0	500	12795	105302	30711	ERR223637_spades.fa	150	2152528	2152528	0	0	102	14450	152519	49505
ERR223638	PRJNA2999	3553868	355386800	51.8	100	100	100	100	34.5	156x	ERR223638_megahit.fa	159	2124029	2124029	0	0	502	13358	67541	35859	ERR223638_spades.fa	106	2134050	2134050	0	0	163	20132	134065	41210
ERR223639	PRJNA2999	3683108	368310800	51.9	100	100	100	100	34.4	161x	ERR223639_megahit.fa	163	2125668	2125668	0	0	500	13002	108309	35447	ERR223639_spades.fa	153	2154920	2154920	0	0	101	14084	152517	47382
ERR223640	PRJNA2999	3841518	384151800	51.8	100	100	100	100	34.5	168x	ERR223640_megahit.fa	167	2124209	2124209	0	0	513	12719	127278	30494	ERR223640_spades.fa	169	2153516	2153516	0	0	98	12742	207724	44717
ERR223641	PRJNA2999	3214706	321470600	51.8	100	100	100	100	34.4	141x	ERR223641_megahit.fa	166	2123339	2123339	0	0	500	12785	108309	35447	ERR223641_spades.fa	97	2132977	2132977	0	0	102	11989	172699	47408
ERR223642	PRJNA2999	3416304	341630400	52	100	100	100	100	34.5	150x	ERR223642_megahit.fa	176	2076478	2076478	0	0	507	11798	95095	35445	ERR223642_spades.fa	105	2086992	2086992	0	0	98	19876	106578	41602
ERR223643	PRJNA2999	4466238	446623800	51.8	100	100	100	100	34.5	121x	ERR223643_megahit.fa	169	2125559	2125559	0	0	507	12550	105259	35445	ERR223643_spades.fa	105	2144014	2144014	0	0	98	24120	17168	41964
ERR223644	PRJNA2999	4718758	471875800	51.9	100	100	100	100	34.5	207x	ERR223644_megahit.fa	166	2071159	2071159	0	0	507	12476	95095	35460	ERR223644_spades.fa	161	2103332	2103332	0	0	98	13057	208041	49032
ERR223645	PRJNA2999	3624630	362463000	51.8	100	100	100	100	34.5	159x	ERR223645_megahit.fa	162	2122027	2122027	0	0	500	13098	108309	37225	ERR223645_spades.fa	112	2142616	2142616	0	0	98	13100	146751	52772
ERR223646	PRJNA2999	3164208	316420800	51.7	100	100	100	100	34.5	139x	ERR223646_megahit.fa	197	2142418	2142418	0	0	504	10875	67545	35376	ERR223646_spades.fa	133	2152750	2152750	0	0	98	16186	188081	47109
ERR223647	PRJNA2999	3890888	389088800	51.7	100	100	100	100	34.5	171x	ERR223647_megahit.fa	168	2125653	2125653	0	0	500	12652	108291	35600	ERR223647_spades.fa	130	2148573	2148573	0	0	100	16527	152519	49080
ERR223648	PRJNA2999	3960780	396078000	51.9	100	100	100	100	34.5	150x	ERR223648_megahit.fa	166	2125656	2125656	0	0	500	12552	105259	35445	ERR223648_spades.fa	105	2123707	2123707	0	0	98	20811	19023	40799
ERR223649	PRJNA2999	3396040	339604000	51.7	100	100	100	100	34.6	149x	ERR223649_megahit.fa	167	2123959	2123959	0	0	500	12718	108280	35600	ERR223649_spades.fa	137	2145512	2145512	0	0	98	15663	173539	43955
ERR223650	PRJNA2999	3785506	378550600	52	100	100	100	100	34.4	166x	ERR223650_megahit.fa	162	2066847	2066847	0	0	537	12758	105291	30291	ERR223650_spades.fa	147	2096051	2096051	0	0	98	14258	136649	47418
ERR223651	PRJNA2999	6188181	618818100	51.8	100	100	100	100	34.6	272x	ERR223651_megahit.fa	163	2122872	2122872	0	0	540	13023	67544	35583	ERR223651_spades.fa	140	2155177	2155177	0	0	98	15394	152519	46645
ERR223652	PRJNA2999	5230311	523031100	51.4	100	100	100	100	34.5	230x	ERR223652_megahit.fa	163	2110118	2110118	0	0	522	12947	74272	30438	ERR223652_spades.fa	151	2145758	2145758	0	0	98	14210	106211	48353
ERR223653	PRJNA2999	3842422	384242200	51.9	100	100	100	100	34.5	200x	ERR223653_megahit.fa	166	2122796	2122796	0	0	500	12780	67549	35096	ERR223653_spades.fa	109	2129054	2129054	0	0	98	15489	172699	47408
ERR223654	PRJNA2999	3457030	345703000	51.9	100	100	100	100	34.5	152x	ERR223654_megahit.fa	160	2143339	2143339	0	0	502	13277	127216	35377	ERR223654_spades.fa	111	2141544	2141544	0	0	98	19293	207733	49200
ERR223655	PRJNA2999	3426566	342656600	51.7	100	100	100	100	34.4	150x	ERR223655_megahit.fa	162	2129524	2129524	0	0	507	13145	126149	36787	ERR223655_spades.fa	107	2137246	2137246	0	0	98	19874	156266	46895
ERR223656	PRJNA2999	4717038	471703800	50.2	100	100	100	100	34.7	207x	ERR223656_megahit.fa	171	2168862	2168862	0	0	528	12883	108075	30145	ERR223656_spades.fa	156	2198323	2198323	0	0	111	14091	158949	42000
ERR223657	PRJNA2999	4655272	465527200	51.9	100	100	100	100	34.4	204x	ERR223657_megahit.fa	166	2123808	2123808	0	0	500	12794	105288	30415										

SRR1661178	PRJNA265339	797070	140420370	52.2	35	176	251	251	33	29.1	61a	SRR1661178_megahit.fa	186	2110965	2110965	0	0	511	11349	103677	23595	SRR1661178_spades.fa	150	2147588	2147588	0	0	128	14317	176681	44269
SRR1661179	PRJNA265339	1266914	364586754	51.3	35	287	301	301	33	31.1	160x	SRR1661179_megahit.fa	141	2157901	2157901	0	0	501	6328	5585	13001	SRR1661179_spades.fa	144	2241611	2241611	0	0	128	15566	336436	138565
SRR1661180	PRJNA265339	719520	216327960	52.3	39	300	301	301	33	33.8	95x	SRR1661180_megahit.fa	180	2086967	2086967	0	0	501	11594	6464	23902	SRR1661180_spades.fa	119	2153046	2153046	0	0	128	18909	207701	72656
SRR1661181	PRJNA265339	1380306	401746527	52.7	35	291	301	301	33	30.1	176x	SRR1661181_megahit.fa	338	2081993	2081993	0	0	500	6159	35798	13047	SRR1661181_spades.fa	178	2167994	2167994	0	0	128	12179	204949	66351
SRR1661182	PRJNA265339	1854138	54890042	52.7	35	295	301	301	33	30.1	241x	SRR1661182_megahit.fa	666	2089303	2089303	0	0	500	3136	29742	6093	SRR1661182_spades.fa	251	2201130	2201130	0	0	128	8769	204949	64022
SRR1661183	PRJNA265339	1787223	29373905	51.7	34	259	251	251	33	35.1	151x	SRR1661183_megahit.fa	274	2106283	2106283	0	0	500	8766	46613	15367	SRR1661183_spades.fa	183	2175056	2175056	0	0	128	11866	207923	69326
SRR1661184	PRJNA265339	1590284	306418123	52.4	35	192	251	251	33	33.9	134x	SRR1661184_megahit.fa	315	2059865	2059865	0	0	509	6663	46467	13710	SRR1661184_spades.fa	153	2176800	2176800	0	0	128	14227	207917	67358
SRR1661185	PRJNA265339	1992628	586424189	52.6	35	294	301	301	33	30.4	257x	SRR1661185_megahit.fa	732	2083311	2083311	0	0	500	2846	21455	5240	SRR1661185_spades.fa	200	2214085	2214085	0	0	128	11653	246443	95325
SRR1661186	PRJNA265339	1562330	305277957	51.4	35	195	251	251	33	33.9	134x	SRR1661186_megahit.fa	275	2111558	2111558	0	0	509	7678	49091	15071	SRR1661186_spades.fa	183	2147463	2147463	0	0	128	11883	108459	57895
SRR1661187	PRJNA265339	1163626	290763364	53.4	35	249	251	251	33	30.6	127x	SRR1661187_megahit.fa	407	2089886	2089886	0	0	500	5134	40138	12441	SRR1661187_spades.fa	193	2200398	2200398	0	0	128	11401	208019	67425
SRR1661188	PRJNA265339	1512222	29373905	54.4	35	246	251	251	33	35.4	129x	SRR1661188_megahit.fa	254	2106283	2106283	0	0	500	9422	88023	21790	SRR1661188_spades.fa	176	2179023	2179023	0	0	128	12146	207913	62726
SRR1661189	PRJNA265339	829254	162608975	51.6	35	196	251	251	33	33.7	71x	SRR1661189_megahit.fa	227	2114600	2114600	0	0	505	9315	49907	21251	SRR1661189_spades.fa	205	2176982	2176982	0	0	128	10619	113167	59012
SRR1661190	PRJNA265339	4345502	129863207	52.6	35	298	300	300	33	30.4	571x	SRR1661190_megahit.fa	1124	697964	697964	0	0	500	620	2024	574	SRR1661190_spades.fa	393	2300624	2300624	0	0	128	5854	207925	76263
SRR1661191	PRJNA265339	492786	148080658	52.3	35	300	301	301	33	30.9	65x	SRR1661191_megahit.fa	185	2112147	2112147	0	0	502	11414	65948	30212	SRR1661191_spades.fa	118	2168261	2168261	0	0	128	18375	207719	70450
SRR1661192	PRJNA265339	858334	297579769	52.5	35	300	301	301	33	30.5	113x	SRR1661192_megahit.fa	211	2103316	2103316	0	0	500	9968	49796	21023	SRR1661192_spades.fa	125	2181527	2181527	0	0	128	17452	207903	90629
SRR1661193	PRJNA265339	1041222	29373905	54.4	35	246	251	251	33	35.4	129x	SRR1661193_megahit.fa	254	2106283	2106283	0	0	500	8766	46613	15367	SRR1661193_spades.fa	183	2175056	2175056	0	0	128	11866	207923	69326
SRR1661194	PRJNA265339	1025154	308168634	52.5	35	300	301	301	33	30.5	135x	SRR1661194_megahit.fa	209	2091973	2091973	0	0	501	10009	67552	23221	SRR1661194_spades.fa	167	2174224	2174224	0	0	128	13019	207744	68228
SRR1661195	PRJNA265339	938520	163446659	52	35	174	251	251	33	31.7	71x	SRR1661195_megahit.fa	221	2050808	2050808	0	0	504	9279	58022	18621	SRR1661195_spades.fa	162	2108211	2108211	0	0	128	13013	205094	47772
SRR1661196	PRJNA265339	710102	127866250	51.7	35	180	251	251	33	30.6	56x	SRR1661196_megahit.fa	226	2112944	2112944	0	0	530	9349	67545	18322	SRR1661196_spades.fa	160	2156302	2156302	0	0	128	13476	208058	49666
SRR1661197	PRJNA265339	1445810	361245231	52.2	35	250	251	251	33	33.5	159x	SRR1661197_megahit.fa	349	2101279	2101279	0	0	500	6020	65940	13143	SRR1661197_spades.fa	159	2179358	2179358	0	0	128	13706	207862	67448
SRR1661198	PRJNA265339	1228000	265640138	52.3	35	217	251	251	33	35.1	117x	SRR1661198_megahit.fa	263	2106283	2106283	0	0	501	8021	55928	17774	SRR1661198_spades.fa	162	2169344	2169344	0	0	128	2039	207862	46850
SRR1661199	PRJNA265339	2341156	546155164	52.3	35	233	251	251	33	32.8	240x	SRR1661199_megahit.fa	515	2077386	2077386	0	0	502	4033	26271	6386	SRR1661199_spades.fa	349	2362009	2362009	0	0	128	6481	207917	63624
SRR1661200	PRJNA265339	1666434	416983752	52	35	250	251	251	33	33.8	183x	SRR1661200_megahit.fa	396	2093980	2093980	0	0	500	5285	43990	10326	SRR1661200_spades.fa	150	2118705	2118705	0	0	128	14520	208088	71057
SRR1661201	PRJNA265339	177962	43936108	53.9	35	246	251	251	33	31.4	193x	SRR1661201_megahit.fa	976	1878792	1878792	0	0	500	1924	37548	4002	SRR1661201_spades.fa	175	2193365	2193365	0	0	128	12533	207831	67451
SRR1661202	PRJNA265339	1548790	383904547	54.2	35	247	251	251	33	31.3	168x	SRR1661202_megahit.fa	815	1933444	1933444	0	0	500	2372	37543	4023	SRR1661202_spades.fa	176	2195349	2195349	0	0	128	14278	207965	61403
SRR1661203	PRJNA265339	1608088	383904547	52.5	35	246	251	251	33	31.7	177x	SRR1661203_megahit.fa	920	1910499	1910499	0	0	500	2155	2411	3702	SRR1661203_spades.fa	176	2195349	2195349	0	0	128	14278	207965	61403
SRR1661204	PRJNA265339	1145360	26553278	53.7	35	231	251	251	33	33.4	116x	SRR1661204_megahit.fa	303	2096264	2096264	0	0	504	6919	44260	14401	SRR1661204_spades.fa	192	2173352	2173352	0	0	128	11319	212329	78149
SRR1661205	PRJNA265339	1684328	315088078	51.7	35	187	251	251	33	34.2	103x	SRR1661205_megahit.fa	411	2094242	2094242	0	0	505	5995	37355	12002	SRR1661205_spades.fa	198	2178925	2178925	0	0	128	11004	207975	49599
SRR1661206	PRJNA265339	926396	22938402	54.8	35	247	251	251	33	30.1	100x	SRR1661206_megahit.fa	744	1997665	1997665	0	0	500	2685	24313	5097	SRR1661206_spades.fa	184	2192957	2192957	0	0	128	11978	20859	61184
SRR1661207	PRJNA265339	2297762	367143949	49.4	35	159	251	251	33	29.1	161x	SRR1661207_megahit.fa	255	2150870	2150870	0	0	500	8501	63005	18247	SRR1661207_spades.fa	170	2225228	2225228	0	0	128	13019	173001	52304
SRR1661208	PRJNA265339	1641642	383904547	52.5	35	246	251	251	33	31.7	177x	SRR1661208_megahit.fa	920	1910499	1910499	0	0	500	2155	2411	3702	SRR1661208_spades.fa	176	2195349	2195349	0	0	128	14278	207965	61403
SRR1661209	PRJNA265339	1174966	199141547	52.3	35	169	251	251	33	29.9	87x	SRR1661209_megahit.fa	191	2108234	2108234	0	0	510	11037	105266	23340	SRR1661209_spades.fa	146	2160530	2160530	0	0	128	14798	152658	47537
SRR1661210	PRJNA265339	1833796	443501581	52.2	35	241	251	251	33	32.8	195x	SRR1661210_megahit.fa	472	2079889	2079889	0	0	500	4406	29993	7170	SRR1661210_spades.fa	147	2178222	2178222	0	0	128	14817	20820	70869
SRR1661211	PRJNA265339	1700256	326200438	51.9	35	191	251	251	33	34	143x	SRR1661211_megahit.fa	327	2042610	2042610	0	0	502	6246	42126	12168	SRR1661211_spades.fa	182	2124265	2124265	0	0	128	11671	208090	59755
SRR1661212	PRJNA265339	1028798	326139808	51.4	35	231	251	251	33	31.9	104x	SRR1661212_megahit.fa	243	2112988	2112988	0	0	500	8695	57072	20410	SRR1661212_spades.fa	183	2178860	2178860	0	0	128	11905	207833	71271
SRR1661213	PRJNA265339	1485442	383904547	52.3	35	246	251	251	33	31.4	157x	SRR1661213_megahit.fa	246	2106283	2106283	0	0	500	8766	46613	15367	SRR1661213_spades.fa	183	2175056	2175056	0	0	128	11866	207923	69326
SRR1661214	PRJNA265339	1476564	364983174	54.4	35	247	251	251	33	31.3	160x	SRR1661214_megahit.fa	1020	1851299	1851299	0	0	500	1814	27139	2800	SRR1661214_spades.fa	157	2185041	2185041	0	0	128	13917	207848	72670
SRR1661215	PRJNA265339	1372638	338743957	53.4	35	246	251	251	33	31.8	140x	SRR1661215_megahit.fa	353	2024326	2024326	0	0	501	5734	45480	13306	SRR1661215_spades.fa	152	2178237	2178237	0	0	128	14300	207874	65500
SRR1661216	PRJNA265339	410288	78975808	52.3	35	192	251	251	33	29.4	34x	SRR1661216_megahit.fa	287	2118201																	

SRR1661284	PRJNA265339	712520	131716531	53.5	35	184	251	251	33	29.7	57x	SRR1661284_megahit.fa	228	2110968	2110968	0	0	500	9258	66208	19113	SRR1661284_spades.fa	135	2158634	2158633	1	0	128	15899	207943	47788
SRR1661285	PRJNA265339	1329756	39987117	52.4	59	300	301	301	33	13.7	175x	SRR1661285_megahit.fa	206	2088668	2088668	0	0	502	10144	106639	20650	SRR1661285_spades.fa	136	2176457	2176457	0	0	128	16003	208138	80330
SRR1661286	PRJNA265339	1334210	401120790	52.3	40	300	301	301	33	13.6	176x	SRR1661286_megahit.fa	228	2095253	2095253	0	0	500	9189	63335	20650	SRR1661286_spades.fa	149	2181667	2181667	0	0	128	14642	193123	72289
SRR1661287	PRJNA265339	1087390	32691476	52.4	42	300	301	301	33	13.5	143x	SRR1661287_megahit.fa	197	2092789	2092789	0	0	508	10623	72577	22821	SRR1661287_spades.fa	163	2187777	2187777	0	0	128	13421	352939	72289
SRR1661288	PRJNA265339	933512	28066423	52.5	51	300	301	301	33	13.4	123x	SRR1661288_megahit.fa	192	2106144	2106144	0	0	501	10969	63369	22821	SRR1661288_spades.fa	144	2175418	2175418	0	0	128	15107	293219	80283
SRR1661289	PRJNA265339	1282764	374096208	52.4	60	300	301	301	33	16.4	164x	SRR1661289_megahit.fa	211	2096226	2096226	0	0	500	9276	60085	21092	SRR1661289_spades.fa	160	2119202	2119202	0	0	128	11032	206443	12200
SRR1661290	PRJNA265339	149802	105170774	52.5	67	300	301	301	33	12.8	46x	SRR1661290_megahit.fa	166	2043403	2043403	0	0	501	12309	67477	23967	SRR1661290_spades.fa	142	2110662	2110662	0	0	128	14863	207780	67024
SRR1661291	PRJNA265339	832810	250385786	52.7	46	300	301	301	33	13.7	110x	SRR1661291_megahit.fa	208	2046326	2046326	0	0	500	11368	81959	23924	SRR1661291_spades.fa	127	2102924	2102924	0	0	128	16608	211377	73239
SRR1661292	PRJNA265339	972638	17063196	51.9	35	175	251	251	33	11.4	74x	SRR1661292_megahit.fa	227	2112511	2112511	0	0	501	9306	67277	17704	SRR1661292_spades.fa	179	2167862	2167860	2	0	128	12110	208040	48818
SRR1661293	PRJNA265339	1210996	271004104	53.7	35	235	251	251	33	13.3	119x	SRR1661293_megahit.fa	499	2000865	2000865	0	0	506	4009	25507	77706	SRR1661293_spades.fa	193	2113119	2113119	0	0	128	10948	259068	55278
SRR1661294	PRJNA265339	1578026	394209628	52.8	35	238	251	251	33	15.8	165x	SRR1661294_megahit.fa	218	2098218	2098218	0	0	500	8279	61021	21204	SRR1661294_spades.fa	200	2182014	2182014	0	0	128	10418	229760	90754
SRR1661295	PRJNA265339	1147362	344047350	52.6	35	300	301	301	33	13.6	151x	SRR1661295_megahit.fa	189	2047477	2047477	0	0	503	10833	64295	25084	SRR1661295_spades.fa	164	2139600	2139600	0	0	128	13046	207927	66020
SRR1661296	PRJNA265339	2001476	470257356	52.6	35	234	251	251	33	16.4	206x	SRR1661296_megahit.fa	673	2044458	2044458	0	0	503	3037	31799	4922	SRR1661296_spades.fa	167	2159688	2159688	0	0	128	12932	207917	80506
SRR1661297	PRJNA265339	1372806	330730991	52.5	35	240	251	251	33	13.2	145x	SRR1661297_megahit.fa	281	2031701	2031701	0	0	504	7230	53981	14951	SRR1661297_spades.fa	235	2115362	2115361	1	0	128	9001	252825	56935
SRR1661298	PRJNA265339	1803288	429476092	52.7	35	234	251	251	33	12.1	186x	SRR1661298_megahit.fa	485	2097945	2097945	0	0	500	4325	34800	7512	SRR1661298_spades.fa	217	2196223	2196222	1	0	128	10122	207820	60888
SRR1661299	PRJNA265339	1041713	240179143	52.8	35	238	251	251	33	13.9	192x	SRR1661299_megahit.fa	215	2054531	2054531	0	0	500	6294	42094	25084	SRR1661299_spades.fa	182	2131232	2131232	0	0	128	12098	207869	65698
SRR1661300	PRJNA265339	799612	189867878	52.3	35	237	251	251	33	11.4	83x	SRR1661300_megahit.fa	228	2050677	2050677	0	0	500	8994	66394	19485	SRR1661300_spades.fa	273	2134893	2134893	0	0	126	7820	255984	55278
SRR1661301	PRJNA265339	1354114	324130664	52	35	239	251	251	33	12.1	142x	SRR1661301_megahit.fa	269	2127091	2127091	0	0	500	7907	66309	19499	SRR1661301_spades.fa	694	2300701	2300687	14	0	128	3319	208024	49225
SRR1661302	PRJNA265339	1426518	341777217	52.2	35	238	251	251	33	12.8	150x	SRR1661302_megahit.fa	316	2100721	2100721	0	0	500	6647	61822	15550	SRR1661302_spades.fa	230	2188649	2188649	0	0	128	9515	207961	66302
SRR1661303	PRJNA265339	1493264	35652152	52.3	35	238	251	251	33	13.5	156x	SRR1661303_megahit.fa	232	2028872	2028872	0	0	504	8736	52786	18240	SRR1661303_spades.fa	318	2132840	2132839	1	0	128	6707	257974	53740
SRR1661304	PRJNA265339	1498262	341993646	52.5	35	229	251	251	33	13.4	150x	SRR1661304_megahit.fa	486	2081762	2081762	0	0	502	4283	43474	7643	SRR1661304_spades.fa	151	2178841	2178841	0	0	128	14429	209915	71054
SRR1661305	PRJNA265339	1235736	285387808	52.4	35	230	251	251	33	12.5	145x	SRR1661305_megahit.fa	291	2039288	2039288	0	0	501	7007	40861	15456	SRR1661305_spades.fa	256	2124058	2124058	0	0	128	8297	211359	57627
SRR1661306	PRJNA265339	835658	193107808	52.9	35	231	251	251	33	8.2	82x	SRR1661306_megahit.fa	325	2029770	2029770	0	0	501	6245	40684	13516	SRR1661306_spades.fa	233	2121613	2121613	0	0	128	9105	255821	57424
SRR1661307	PRJNA265339	1259750	309029042	53.5	35	245	251	251	33	11.8	135x	SRR1661307_megahit.fa	684	2036782	2036782	0	0	500	2977	22862	4942	SRR1661307_spades.fa	158	2188589	2188589	0	0	128	13551	207863	67469
SRR1661308	PRJNA265339	2030440	494949137	52.8	35	243	251	251	33	13.1	217x	SRR1661308_megahit.fa	735	2040128	2040128	0	0	504	2775	25034	4293	SRR1661308_spades.fa	161	2185470	2185470	0	0	128	13874	207860	67377
SRR1661309	PRJNA265339	1282764	374096208	52.8	35	243	251	251	33	15.1	215x	SRR1661309_megahit.fa	805	2058225	2058225	0	0	500	2941	21524	21524	SRR1661309_spades.fa	200	2171302	2171302	0	0	128	12098	207860	67377
SRR1661310	PRJNA265339	1225910	302337940	53.6	35	246	251	251	33	11.8	132x	SRR1661310_megahit.fa	690	2036471	2036471	0	0	500	2951	137238	5847	SRR1661310_spades.fa	182	2185007	2185007	0	0	128	12005	207819	84847
SRR1661311	PRJNA265339	1085910	26868565	52.5	35	247	251	251	33	11.1	118x	SRR1661311_megahit.fa	911	2030705	2030705	0	0	500	2229	23368	9932	SRR1661311_spades.fa	200	2202067	2202067	0	0	128	7599	154782	66440
SRR1661312	PRJNA265339	1252252	307950016	53.9	35	245	251	251	33	13.2	135x	SRR1661312_megahit.fa	849	1993128	1993128	0	0	500	2347	20882	3680	SRR1661312_spades.fa	203	2117183	2117183	0	0	128	10698	207612	78215
SRR1661313	PRJNA265339	2502124	59745752	54	35	238	251	251	33	13.3	262x	SRR1661313_megahit.fa	1120	1726253	1726253	0	0	500	1541	15581	2035	SRR1661313_spades.fa	173	2137720	2137720	0	0	128	12345	208160	69670
SRR1661314	PRJNA265339	1085910	26868565	52.5	35	247	251	251	33	11.9	126x	SRR1661314_megahit.fa	919	2030705	2030705	0	0	500	2229	23368	9932	SRR1661314_spades.fa	181	2190249	2190249	0	0	128	14745	207860	67377
SRR1661315	PRJNA265339	1088842	264562597	53.1	35	242	251	251	33	10.1	116x	SRR1661315_megahit.fa	320	2109882	2109882	0	0	502	7275	41167	16598	SRR1661315_spades.fa	189	2196132	2196132	0	0	128	11619	208021	80311
SRR1661316	PRJNA265339	808106	194632645	54.9	35	240	251	251	33	29.8	28x	SRR1661316_megahit.fa	296	2050641	2050641	0	0	502	6290	51542	14258	SRR1661316_spades.fa	197	2144341	2144341	0	0	128	10884	219704	55247
SRR1661317	PRJNA265339	1223084	367715934	52.6	35	301	301	301	33	13.7	161x	SRR1661317_megahit.fa	204	2035500	2035500	0	0	502	9977	66248	21554	SRR1661317_spades.fa	173	2122607	2122607	0	0	128	12269	257229	60588
SRR1661318	PRJNA265339	1163444	349775870	52.4	49	300	301	301	33	13.4	153x	SRR1661318_megahit.fa	202	2101805	2101805	0	0	500	14044	64460	22524	SRR1661318_spades.fa	160	2186931	2186931	0	0	128	13668	209426	80532
SRR1661319	PRJNA265339	1244316	375520121	51.9	35	244	251	251	33	14.4	155x	SRR1661319_megahit.fa	216	2081726	2081726	0	0	500	9820	62317	21858	SRR1661319_spades.fa	152	2179528	2179528	0	0	128	15136	207860	67377
SRR1661320	PRJNA265339	1135074	341250564	52.4	37	300	301	301	33	13.5	150x	SRR1661320_megahit.fa	204	2100985	2100985	0	0	501	10298	134400	20940	SRR1661320_spades.fa	170	2178677	2178677	0	0	128	12815	256631	66452
SRR1661321	PRJNA265339	1161688	349256102	52.4	35	300	301	301	33	13.7	153x	SRR1661321_megahit.fa	216	2101287	2101287	0	0	500	9728	84770	218840	SRR1661321_spades.fa	165	2183894	2183894	0	0	128	13235	207750	70388
SRR1661322	PRJNA265339	1002232	301303790	53	35	300	301	301	33	11.1	132x	SRR1661322_megahit.fa	248																		

SRR2736151	PRJNA298332	1519096	45668723	52.5	61	300	301	301	33	31.6	200x	SRR2736151_megahit.fa	493	2112330	2112330	0	0	500	4302	36584	9611	SRR2736151_spades.fa	78	2164015	2164015	0	0	128	27743	207676	78678
SRR2736152	PRJNA298332	1467564	441217415	52.7	35	300	301	301	33	31.7	194x	SRR2736152_megahit.fa	387	2038607	2038607	0	0	500	5267	36305	10582	SRR2736152_spades.fa	113	2115452	2115452	0	0	128	18720	240017	81271
SRR2736153	PRJNA298332	1227512	369061823	52.7	51	300	301	301	33	32	162x	SRR2736153_megahit.fa	295	2047981	2047981	0	0	500	6942	46747	16186	SRR2736153_spades.fa	109	2113736	2113736	0	0	128	19392	246577	81750
SRR2736154	PRJNA298332	1645476	494706656	52.7	44	300	301	301	33	31.9	217x	SRR2736154_megahit.fa	529	2102439	2102439	0	0	500	3974	37473	7916	SRR2736154_spades.fa	96	2120083	2120083	0	0	128	22625	241912	106649
SRR2736155	PRJNA298332	1640098	409916186	48.9	35	249	251	251	33	34.5	180x	SRR2736155_megahit.fa	416	4044606	4044606	0	0	502	9722	17473	20792	SRR2736155_spades.fa	240	2155074	2155074	0	0	128	17317	211199	68692
SRR2736156	PRJNA298332	49819929	146666666	52.5	37	219	219	219	33	29.5	159x	SRR2736156_megahit.fa	526	2109906	2109906	0	0	500	4874	45127	75415	SRR2736156_spades.fa	105	2151453	2151453	0	0	128	16760	207961	76111
SRR2736157	PRJNA298332	1096514	212722997	51.8	35	193	251	251	33	28.7	93x	SRR2736157_megahit.fa	212	2113995	2113995	0	0	506	9971	64515	20941	SRR2736157_spades.fa	160	2168588	2168588	0	0	128	13553	208517	50264
SRR2736158	PRJNA298332	416754	81342086	52	35	195	251	251	33	29.4	35x	SRR2736158_megahit.fa	252	2117540	2117540	0	0	506	8402	49514	20948	SRR2736158_spades.fa	100	2129272	2129266	6	0	128	12592	172772	44243
SRR2736159	PRJNA298332	1197966	21756749	52.3	35	181	251	251	33	29.8	95x	SRR2736159_megahit.fa	219	2063442	2063442	0	0	507	9422	67172	20879	SRR2736159_spades.fa	150	2114896	2114896	0	0	128	14099	208097	55455
SRR2736160	PRJNA298332	1288556	321064444	51.3	35	249	251	251	33	29.8	141x	SRR2736160_megahit.fa	328	2099249	2099249	0	0	503	6400	61796	12167	SRR2736160_spades.fa	123	2162512	2162512	0	0	128	17581	152889	65940
SRR2736161	PRJNA298332	1721356	429666666	52.2	35	240	251	251	33	29.9	189x	SRR2736161_megahit.fa	517	2074118	2074118	0	0	500	4874	38647	62623	SRR2736161_spades.fa	129	21474	21474	0	0	128	16760	207961	76111
SRR2736162	PRJNA298332	1837954	552674398	52.6	49	300	301	301	33	31.3	243x	SRR2736162_megahit.fa	672	2113754	2113754	0	0	500	3145	35575	6235	SRR2736162_spades.fa	101	2158182	2158182	0	0	128	21368	207853	70860
SRR2736163	PRJNA298332	1789984	53814231	52.3	50	300	301	301	33	29.9	236x	SRR2736163_megahit.fa	519	2097362	2097362	0	0	500	4041	30029	7290	SRR2736163_spades.fa	97	2157318	2157318	0	0	128	22340	207872	75004
SRR2736164	PRJNA298332	2071284	387729408	51.6	35	187	251	251	33	33.5	170x	SRR2736164_megahit.fa	266	2097918	2097918	0	0	504	7886	66366	16080	SRR2736164_spades.fa	173	2168277	2168277	0	0	128	12533	207881	49437
SRR2736165	PRJNA298332	479912	89429472	52.2	35	186	251	251	33	30.2	39x	SRR2736165_megahit.fa	211	2117636	2117636	0	0	501	10031	66248	19499	SRR2736165_spades.fa	158	2162528	2162524	4	0	128	13867	99562	47072
SRR2736166	PRJNA298332	101216823	52.8	35	244	251	251	251	33	29.8	144x	SRR2736166_megahit.fa	212	2094714	2094714	0	0	500	4994	45947	7294	SRR2736166_spades.fa	109	219909	219909	0	0	128	12147	16760	76111
SRR2736167	PRJNA298332	1623052	48707471	52.4	35	300	301	301	33	32	214x	SRR2736167_megahit.fa	525	2101308	2101308	0	0	500	4002	43965	7616	SRR2736167_spades.fa	104	2170378	2170378	0	0	128	20869	207856	67805
SRR2736168	PRJNA298332	708436	126233576	51.6	35	178	251	251	33	30.2	55x	SRR2736168_megahit.fa	220	2117156	2117156	0	0	525	9623	72853	20479	SRR2736168_spades.fa	199	2167966	2167964	2	0	128	10894	127203	42278
SRR2736169	PRJNA298332	732086	182470072	51.3	35	249	251	251	33	33.6	70x	SRR2736169_megahit.fa	245	2150073	2150073	0	0	503	8775	65929	18536	SRR2736169_spades.fa	179	2209558	2209558	0	0	128	12343	210760	67307
SRR2736170	PRJNA298332	831262	152080867	51.8	35	182	251	251	33	30.2	66x	SRR2736170_megahit.fa	213	2149316	2149316	0	0	510	10090	65929	21697	SRR2736170_spades.fa	107	2146324	2146324	0	0	128	2868	223959	48178
SRR2736171	PRJNA298332	1696138	491829778	52.3	35	300	301	301	33	31.9	216x	SRR2736171_megahit.fa	459	2121950	2121950	0	0	500	4603	37859	14005	SRR2736171_spades.fa	105	2210060	2210060	0	0	128	20870	210659	81612
SRR2736172	PRJNA298332	1011114	303965638	52.6	35	300	301	301	33	31.8	133x	SRR2736172_megahit.fa	335	2141800	2141800	0	0	500	9114	68049	20850	SRR2736172_spades.fa	116	2203240	2203240	0	0	128	18993	210850	81031
SRR2736173	PRJNA298332	1288212	387289711	52.5	56	300	301	301	33	31.4	170x	SRR2736173_megahit.fa	231	2129001	2129001	0	0	500	6432	83448	17181	SRR2736173_spades.fa	109	2202127	2202127	0	0	128	20203	210616	77908
SRR2736174	PRJNA298332	1405406	234414921	51.8	35	166	251	251	33	29.5	103x	SRR2736174_megahit.fa	223	2142339	2142339	0	0	502	9606	84749	22638	SRR2736174_spades.fa	162	2203442	2203442	0	0	128	13601	207731	53641
SRR2736175	PRJNA298332	1317740	396132873	52.3	58	300	301	301	33	31.6	174x	SRR2736175_megahit.fa	620	2077783	2077783	0	0	500	3238	25110	5656	SRR2736175_spades.fa	108	2117309	2117309	0	0	128	20104	249137	79019
SRR2736176	PRJNA298332	1271204	311482223	52.2	35	240	251	251	33	32.8	133x	SRR2736176_megahit.fa	217	2074854	2074854	0	0	500	4849	49521	18629	SRR2736176_spades.fa	109	2169461	2169461	1	0	128	12147	16760	76111
SRR2736177	PRJNA298332	620934	121639302	50.8	35	195	251	251	33	29	53x	SRR2736177_megahit.fa	301	2203993	2203993	0	0	505	7106	63570	18622	SRR2736177_spades.fa	571	2427932	2427932	0	0	128	4252	162332	61420
SRR2736178	PRJNA298332	1514336	452598985	52.3	40	300	301	301	33	31.5	200x	SRR2736178_megahit.fa	376	2108154	2108154	0	0	500	5606	61644	14152	SRR2736178_spades.fa	112	2166821	2166819	2	0	128	19346	207866	60498
SRR2736179	PRJNA298332	800364	240696298	52.1	35	300	301	301	33	32.1	105x	SRR2736179_megahit.fa	280	2147783	2147783	0	0	504	10325	84706	24768	SRR2736179_spades.fa	109	2202007	2202006	1	0	128	20201	210868	82959
SRR2736180	PRJNA298332	1476560	443975835	52.1	35	300	301	301	33	31.9	195x	SRR2736180_megahit.fa	282	2114658	2114658	0	0	500	7498	84888	19474	SRR2736180_spades.fa	110	2200846	2200846	0	0	128	20027	210659	84645
SRR2736181	PRJNA298332	1379204	311482223	52.2	35	240	251	251	33	31.4	114x	SRR2736181_megahit.fa	217	2074854	2074854	0	0	500	4849	49521	18629	SRR2736181_spades.fa	112	2169461	2169461	1	0	128	12147	16760	76111
SRR2736182	PRJNA298332	1450742	436164253	52.2	35	300	301	301	33	32.2	191x	SRR2736182_megahit.fa	295	2136132	2136132	0	0	500	7241	41283	16506	SRR2736182_spades.fa	105	2203337	2203337	0	0	128	20894	210868	86752
SRR2736183	PRJNA298332	1284812	218376373	51.7	35	169	251	251	33	30.3	96x	SRR2736183_megahit.fa	213	2146450	2146450	0	0	505	10077	97914	20926	SRR2736183_spades.fa	149	2204219	2204216	3	0	128	14793	207680	53479
SRR2736184	PRJNA298332	715236	138300211	51.8	35	193	251	251	33	29.6	60x	SRR2736184_megahit.fa	213	2146453	2146453	0	0	511	10077	108087	20996	SRR2736184_spades.fa	185	2204728	2204728	0	0	82	11917	151864	46851
SRR2736185	PRJNA298332	1017328	230324263	52.8	35	226	251	251	33	34.3	101x	SRR2736185_megahit.fa	285	2111664	2111664	0	0	500	7409	41892	20593	SRR2736185_spades.fa	241	2180253	2180253	0	0	128	9046	180760	46976
SRR2736186	PRJNA298332	1561626	424636636	51.6	35	240	251	251	33	31.6	40x	SRR2736186_megahit.fa	215	2146450	2146450	0	0	500	6432	83448	17181	SRR2736186_spades.fa	112	2166821	2166819	2	0	128	19346	207866	60498
SRR2736187	PRJNA298332	556568	108572250	51.9	35	195	251	251	33	29.7	47x	SRR2736187_megahit.fa	219	2064258	2064258	0	0	511	9425	67050	19449	SRR2736187_spades.fa	169	2118255	2118254	1	0	128	12534	211701	49660
SRR2736188	PRJNA298332	1123272	210678015	52	35	187	251	251	33	30.2	92x	SRR2736188_megahit.fa	205	2059832	2059832	0	0	501	10047	59874	22413	SRR2736188_spades.fa	149	2114401	2114397	4	0	128	14190	210891	60459
SRR2736189	PRJNA298332	1666552	501056911</																												

SRR2736257	PRJNA298332	1111292	334105555	52.4	53	300	301	33	32.9	146x	SRR2736257_megahit.fa	221	2098313	2098313	0	0	500	9494	66313	22849	SRR2736257_spades.fa	248	2238545	2238545	0	0	128	8986	210677	78518
SRR2736258	PRJNA298332	916298	275443896	52.3	35	300	301	33	32.9	121x	SRR2736258_megahit.fa	216	2110157	2110157	0	0	501	7969	149180	22661	SRR2736258_spades.fa	161	2194355	2194355	0	0	128	13629	207791	65449
SRR2736259	PRJNA298332	1016758	305627516	52.4	35	300	301	33	32.6	134x	SRR2736259_megahit.fa	226	2110688	2110688	0	0	507	9339	66298	22853	SRR2736259_spades.fa	199	2209797	2209797	0	0	128	11040	207794	106386
SRR2736260	PRJNA298332	1125876	33887711	52.4	35	300	301	33	32.9	143x	SRR2736260_megahit.fa	212	2099407	2099407	0	0	500	9902	64491	20141	SRR2736260_spades.fa	229	2218715	2218715	0	0	128	9688	208019	71000
SRR2736261	PRJNA298332	994602	298909185	52.5	35	300	301	33	32.8	131x	SRR2736261_megahit.fa	210	2107606	2107606	0	0	503	10036	67306	23334	SRR2736261_spades.fa	177	2199407	2199407	0	0	128	12426	261982	88407
SRR2736262	PRJNA298332	134866	405488739	52.6	39	300	301	33	32.9	123x	SRR2736262_megahit.fa	216	2107606	2107606	0	0	500	10409	67307	23334	SRR2736262_spades.fa	197	2256829	2256829	0	0	128	11215	21910	95613
SRR2736263	PRJNA298332	241870	727124099	52.3	35	300	301	33	32.5	319x	SRR2736263_megahit.fa	216	2062520	2062520	0	0	500	2030	20649	3295	SRR2736263_spades.fa	603	2395931	2395931	0	0	128	3973	278163	71272
SRR2736264	PRJNA298332	902098	271154518	52.4	59	300	301	33	32.9	119x	SRR2736264_megahit.fa	214	2114548	2114548	0	0	500	9866	66298	23048	SRR2736264_spades.fa	196	2211800	2211800	0	0	128	11284	278135	70725
SRR2736265	PRJNA298332	515020	154737058	52.4	35	300	301	33	32.7	86x	SRR2736265_megahit.fa	181	2112380	2112380	0	0	500	11670	149183	25386	SRR2736265_spades.fa	126	2178900	2178900	0	0	128	17292	246184	66358
SRR2736266	PRJNA298332	1045908	314640777	52.9	38	300	301	33	33.3	138x	SRR2736266_megahit.fa	208	2102562	2102562	0	0	502	7845	7949	17144	SRR2736266_spades.fa	192	2211632	2211632	0	0	128	11538	244013	66841
SRR2736267	PRJNA298332	134866	405488739	52.7	39	300	301	33	32.9	123x	SRR2736267_megahit.fa	216	2107606	2107606	0	0	500	7713	6429	17714	SRR2736267_spades.fa	275	2256829	2256829	0	0	128	9175	246184	66358
SRR2736268	PRJNA298332	1297568	390124718	52.3	46	300	301	33	33.4	171x	SRR2736268_megahit.fa	250	2113773	2113773	0	0	500	8455	113795	18559	SRR2736268_spades.fa	231	2231461	2231461	0	0	128	9660	254143	88402
SRR2736269	PRJNA298332	1351050	406200135	52.9	39	300	301	33	32.9	178x	SRR2736269_megahit.fa	310	2050555	2050555	0	0	502	6614	77374	16765	SRR2736269_spades.fa	296	2204628	2204628	0	0	128	7448	208097	70364
SRR2736270	PRJNA298332	1049138	31590008	52.4	48	300	301	33	33.2	138x	SRR2736270_megahit.fa	226	2112711	2112711	0	0	500	9348	64511	21164	SRR2736270_spades.fa	251	2233142	2233142	0	0	128	8896	207925	67221
SRR2736271	PRJNA298332	1598982	480752426	52.9	37	300	301	33	33.1	211x	SRR2736271_megahit.fa	388	2052243	2052243	0	0	500	5289	39011	11756	SRR2736271_spades.fa	320	2220122	2220122	0	0	128	6937	226057	78106
SRR2736272	PRJNA298332	1297568	390124718	52.6	48	300	301	33	32.4	124x	SRR2736272_megahit.fa	217	2107606	2107606	0	0	500	10729	67307	23334	SRR2736272_spades.fa	223	2247929	2247929	0	0	128	12098	27036	92687
SRR2736273	PRJNA298332	1417536	462204214	52.6	42	300	301	33	32.6	187x	SRR2736273_megahit.fa	279	2099360	2099360	0	0	500	7524	71953	18845	SRR2736273_spades.fa	273	2239479	2239479	0	0	128	8203	207663	76620
SRR2736274	PRJNA298332	1550976	466322239	52.6	56	300	301	33	32.6	205x	SRR2736274_megahit.fa	352	2108070	2108070	0	0	500	5988	4727	14140	SRR2736274_spades.fa	374	2271728	2271728	0	0	128	6801	206735	70141
SRR2736275	PRJNA298332	851934	256145395	52.8	50	300	301	33	33.1	112x	SRR2736275_megahit.fa	210	2054464	2054464	0	0	503	9783	105286	23244	SRR2736275_spades.fa	219	2156763	2156763	0	0	128	9848	207868	84615
SRR2736276	PRJNA298332	904612	417390475	52.5	35	300	301	33	33	119x	SRR2736276_megahit.fa	211	2113553	2113553	0	0	500	10016	66202	22080	SRR2736276_spades.fa	189	2211850	2211850	0	0	128	11702	228356	77149
SRR2736277	PRJNA298332	1248082	375241966	52.3	48	300	301	33	32.9	165x	SRR2736277_megahit.fa	265	2102562	2102562	0	0	500	7959	33573	18567	SRR2736277_spades.fa	245	2234274	2234274	0	0	128	9119	246184	71272
SRR2736278	PRJNA298332	904156	271920103	52.5	42	300	301	33	32.7	119x	SRR2736278_megahit.fa	210	2106993	2106993	0	0	504	10498	113676	25886	SRR2736278_spades.fa	193	2214474	2214474	0	0	128	11473	426987	81125
SRR2736279	PRJNA298332	1511340	454392896	52.7	35	300	301	33	33.1	199x	SRR2736279_megahit.fa	502	2105651	2105651	0	0	500	4128	29026	3410	SRR2736279_spades.fa	261	2235342	2235342	0	0	128	8564	207982	66302
SRR2736280	PRJNA298332	1340684	390139855	52.5	39	300	301	33	32.5	189x	SRR2736280_megahit.fa	303	2089805	2089805	0	0	500	6897	60033	17455	SRR2736280_spades.fa	293	2251617	2251617	0	0	128	7844	277693	85537
SRR2736281	PRJNA298332	1445448	434848018	52.5	45	300	301	33	33	191x	SRR2736281_megahit.fa	330	2144725	2144725	0	0	500	6499	48407	16261	SRR2736281_spades.fa	279	2290868	2290868	0	0	128	8210	210499	77910
SRR2736282	PRJNA298332	940648	282456879	52.6	48	300	301	33	32.6	136x	SRR2736282_megahit.fa	217	2107606	2107606	0	0	500	7339	61376	24723	SRR2736282_spades.fa	210	2231461	2231461	0	0	128	10775	246184	66358
SRR2736283	PRJNA298332	1317138	396095982	53	41	300	301	33	32.6	174x	SRR2736283_megahit.fa	311	2118454	2118454	0	0	500	6811	47628	17303	SRR2736283_spades.fa	278	2255496	2255496	0	0	128	8113	207934	74420
SRR2736284	PRJNA298332	836312	251391308	53.1	40	300	301	33	32.7	110x	SRR2736284_spades.fa	238	2121517	2121517	0	0	503	8913	66215	20349	SRR2736284_spades.fa	175	2202058	2202058	0	0	128	12583	228289	112221
SRR2736285	PRJNA298332	1411376	424362416	52.9	35	300	301	33	32.6	176x	SRR2736285_megahit.fa	326	2116146	2116146	0	0	500	6491	47995	16653	SRR2736285_spades.fa	307	2264968	2264968	0	0	128	7377	246074	74290
SRR2736286	PRJNA298332	1338114	402218345	52.3	41	300	301	33	32.5	162x	SRR2736286_megahit.fa	269	2113994	2113994	0	0	500	7858	65701	19521	SRR2736286_spades.fa	307	2264124	2264124	0	0	128	7374	222136	74227
SRR2736287	PRJNA298332	1466668	282456879	52.6	48	300	301	33	32.6	124x	SRR2736287_megahit.fa	178	2107606	2107606	0	0	511	11841	113676	24723	SRR2736287_spades.fa	134	2178952	2178952	0	0	128	16388	27036	92687
SRR2736288	PRJNA298332	1143031	343899740	52.4	39	300	301	33	32.3	151x	SRR2736288_megahit.fa	240	2112584	2112584	0	0	500	8802	113676	20155	SRR2736288_spades.fa	216	2223921	2223921	0	0	128	10295	207952	67822
SRR2736289	PRJNA298332	1480224	445010879	52.5	39	300	301	33	32.6	155x	SRR2736289_megahit.fa	336	2050669	2050669	0	0	500	6103	40815	13634	SRR2736289_spades.fa	317	2219000	2219000	0	0	128	7000	207941	85530
SRR2736290	PRJNA298332	1519978	465698191	52.6	39	300	301	33	32.6	200x	SRR2736290_megahit.fa	361	2049559	2049559	0	0	500	5670	48805	13691	SRR2736290_spades.fa	305	2204243	2204243	0	0	128	7227	308541	86946
SRR2736291	PRJNA298332	1375190	413980828	52.3	45	300	301	33	33	181x	SRR2736291_megahit.fa	274	2105574	2105574	0	0	503	7884	66215	18291	SRR2736291_spades.fa	232	2244082	2244082	0	0	128	9659	322607	77934
SRR2736292	PRJNA298332	1466668	282456879	52.4	35	300	301	33	32.4	125x	SRR2736292_megahit.fa	216	2107606	2107606	0	0	500	7595	61376	24723	SRR2736292_spades.fa	216	2231461	2231461	0	0	128	7156	246184	66358
SRR2736293	PRJNA298332	1470228	441991026	52.5	39	300	301	33	32.8	194x	SRR2736293_megahit.fa	302	2050994	2050994	0	0	501	6791	64436	16735	SRR2736293_spades.fa	296	2199762	2199762	0	0	128	7431	308779	64579
SRR2736294	PRJNA298332	1296934	389886496	52.5	35	300	301	33	32.7	171x	SRR2736294_spades.fa	271	2061567	2061567	0	0	501	7607	9592	18521	SRR2736294_spades.fa	237	22178190	22178190	0	0	128	9100	208107	67063
SRR2736295	PRJNA298332	1079290	324452897	52.4	44	300	301	33	32.7	142x	SRR2736295_megahit.fa	219	2109020	2109020	0	0	501	9630	113676	23250	SRR2736295_spades.fa	215	2221702	2221702	0	0	128	10333	207962	85348
SRR2736296	PRJNA2983																													