

## Appendix A

**Table S1** General characteristics of the generated reads and mapping

Reads type	Count	Percentage of reads	Average length	Number of bases	Percentage of bases
Mapped reads	15585616	99.52	64.75	1009200100	99.52
Not mapped reads	74932	0.48	65.06	4875057	0.48
Reads in pairs	15357330	98.06	202.44	994509560	98.07
Broken paired reads	228286	1.46	64.35	14690540	1.45
Total reads	15660548	100	64.75	1014075157	100