

Table S1. Summary Alignment statistics. Proportion of aligned reads and average depth for each chip and each individual is given.

| | Average per chip | On average per individual |
|-----------------------------------|-------------------------|----------------------------------|
| Total Number of Bases [Gbp] | 10.9 | 21.8 |
| Total Number of Reads | 79006173 | 158012346 |
| Mean Length [bp] | 138 | 138 |
| proportion of Aligned bases | 97% | 97% |
| proportion of mapped reads | 98% | 98% |
| Average base coverage depth (raw) | 4.6 | 9.2 |