

Supplemental Table S6. Assembly in the presence of coverage bias of Illumina reads. Note that the tested coverage gap (zero coverage over 2kb) is harmless for LH *k*-mer validation assembly.

| Method* | Contig JSAF02032866 | | |
|---------|---------------------|-----------------------|-------------------|
| | % sequence lost | % sequence duplicated | Number of contigs |
| M | 3.3 | 10.0 | 7 |
| LH | 2.4 | 0 | 1 |
| LH bias | 2.4 | 0 | 1 |

* "M", standard MHAP; "LH", MHAP with low and high frequency *k*-mer masking, without bias in Illumina coverage bias; "LH bias", MHAP with low and high frequency *k*-mer masking, with full Illumina bias (zero coverage) across 2 kb.