

| | # contigs $\geq 500\text{bp}$ | largest contig | N50 | genomes covered (%) | N-rate (%) | mismatches (%) | indel rate (%) |
|----------------|----------------------------------|-------------------|-----|------------------------|---------------|-------------------|-------------------|
| <i>Stage a</i> | 1136 | 1182 | 564 | 84.6 | 0.097 | 0.162 | 0.039 |
| <i>Stage b</i> | 846 | 1221 | 588 | 92.6 | 0.183 | 0.161 | 0.040 |
| <i>Stage c</i> | 188 | 4858 | 715 | 91.7 | 0.642 | 0.154 | 0.045 |

Supplemental Table S5: SAVAGE-de-novo contigs evaluated on the 20.000x real HIV mix (*lab mix*) per algorithm stage, illustrating the progression of contig lengths through the three stages.