

**Supplementary Table 1. Estimation of memory and storage requirements for the generation of VODKA2 DB**

reference sequence length (equivalent to FASTA size)	1KB	5KB	10KB	15KB	20KB
number of B/R combinations (generated by VODKA2)	48M	12M	49M	112M	199M
size of the multi-FASTA file (generated by VODKA2)	0.1GB	3.7GB	15GB	35GB	60GB
total size of Bowtie2 index (estimation)	0.5GB	10GB	30GB	80GB	140GB
Bowtie2-build memory usage (estimation)	2GB	50GB	200GB	350GB	400GB