



Figure S1A. Representative sampling points in Buea (Fako Department). Location code is “B”. For GPS co-ordinates, see Table S2.



Figure S1B. Sampling point in Ekondo-Titi (Ndian Department). Location code is “E”. For GPS coordinates, see Table S2.



Figure S1C. Representative sampling points in Kumba (Meme Department). Location code is “K”. For GPS co-ordinates, see Table S2. Note that Barombi Mbo (top left), a volcanic lake, was the only large water body sampled in this study.



Figure S1D. Representative sampling points in Limbe (Fako Department). Location code is “L”. For GPS co-ordinates, see Table S2.



Figure S1E. Representative sampling points in Mbonge (across Meme and Ndian Departments). Location code is “Mb”. For GPS co-ordinates, see Table S2.



Figure S1F. Representative sampling points in Muyuka (Fako Department). Location code is “Mu”. For GPS co-ordinates, see Table S2.

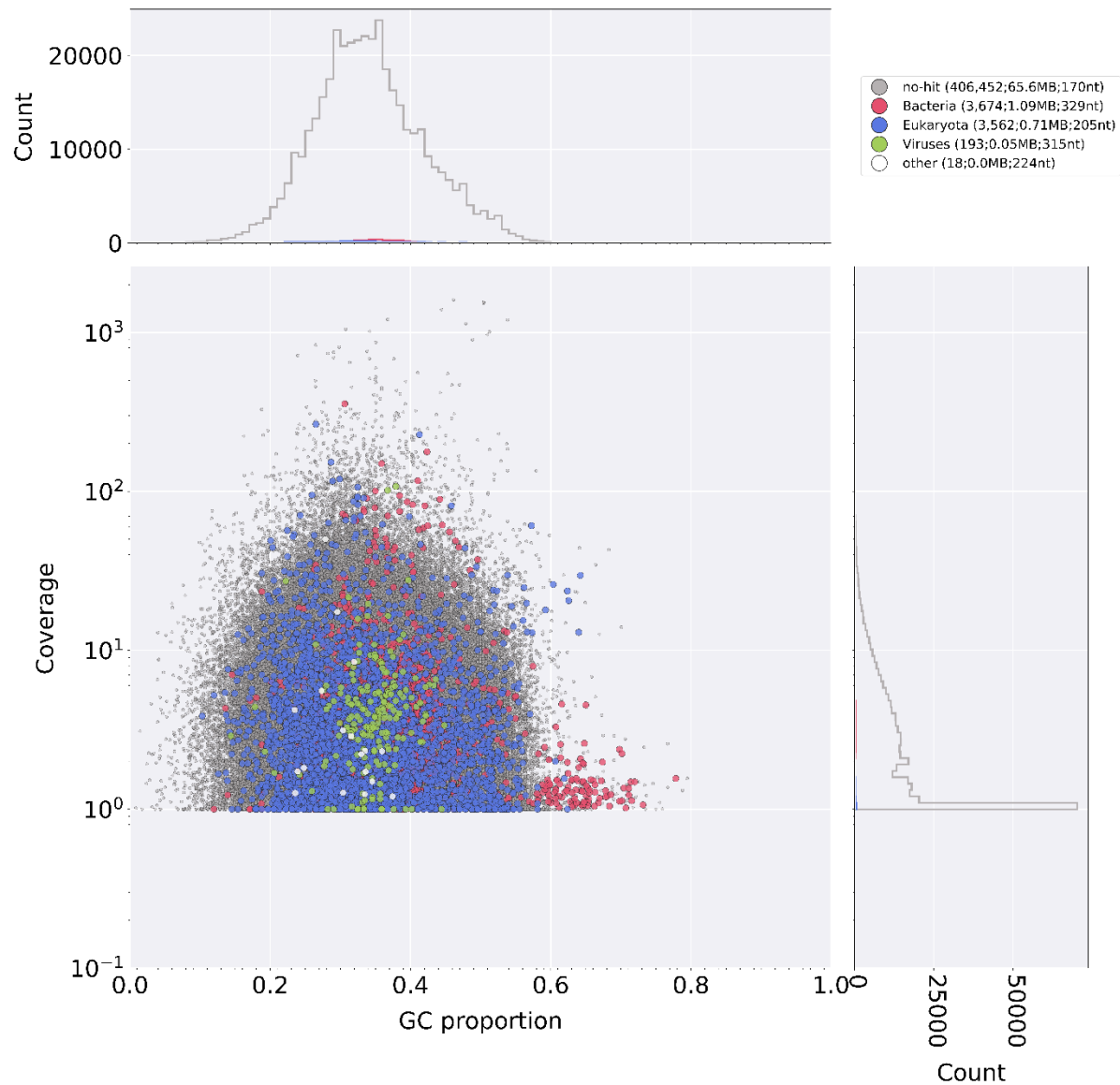


Figure S2. Representative blob-plot from sample 15 (*Rhagovelia* sp. 2 from Mbonge). Note bacterial contigs (in red) at relatively high coverage.

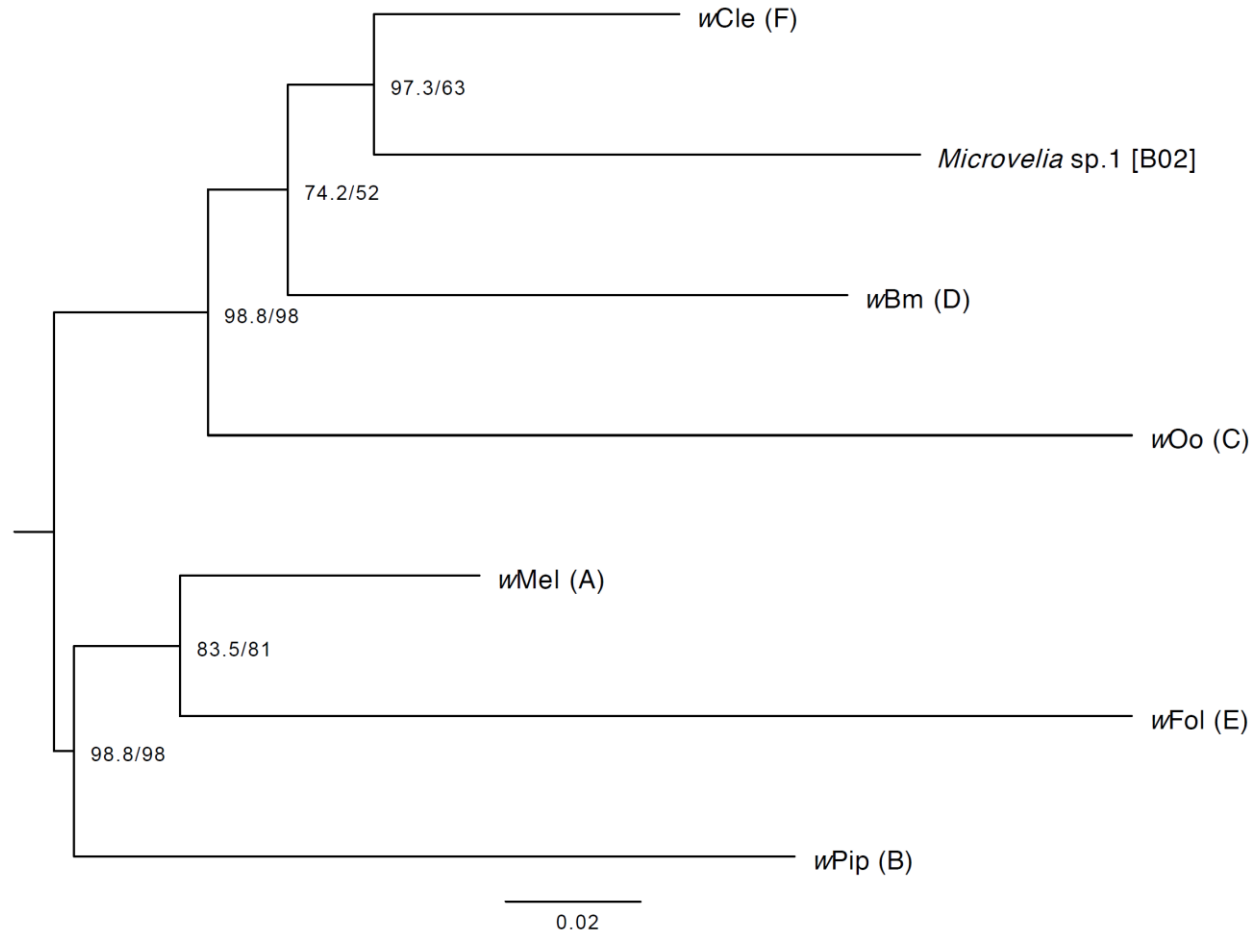


Figure S3. Concatenated tree based on 26 protein-coding *Wolbachia* orthologs for sample 5. Reference sequences are taken from the following *Wolbachia* strains: wMel (from *Drosophila melanogaster*), wPip (from *Culex pipiens*), wOo (from *Onchocerca ochengi*), wBm (from *Brugia malayi*), wFol (from *Folsomia candida*) and wCle (from *Cimex lectularius*).

KX522565.1 (65653)

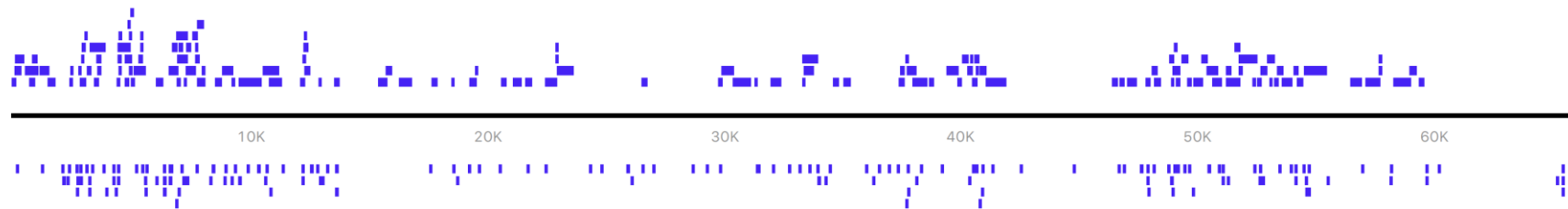


Figure S4. Contigs from sample 15 (*Rhagovelia* sp. 2 from Mbonge) mapping to a reference WO phage genome. This phage genome is from *Wolbachia* strain *wVitA*, a symbiont of the parasitoid wasp *Nasonia vitripennis* (scale in bp).

Table S1. The distribution of human-biting bugs captured in the Health Districts.

Health District		Total bugs captured	Human-biting aquatic bugs				Total human-biting bugs (%)
			Notonectidae	Naucoridae	Belostomatidae	Nepidae	
Hypoendemic	Limbe	73	0	20	0	0	20 (27.4)
	Buea	182	9	3	0	0	12 (6.6)
	Muyuka	216	0	14	1	2	17 (7.9)
	Kumba	240	2	11	18	0	31 (12.9)
Mesoendemic	Mbonge	335	16	4	12	4	36 (10.7)
	Ekondo-Titi	56	27	0	5	1	33 (58.9)
	Total	1,102	54	52	36	7	149 (13.5)

Table S2. Distribution of aquatic Hemiptera in the Southwest Region of Cameroon.

[illegible]