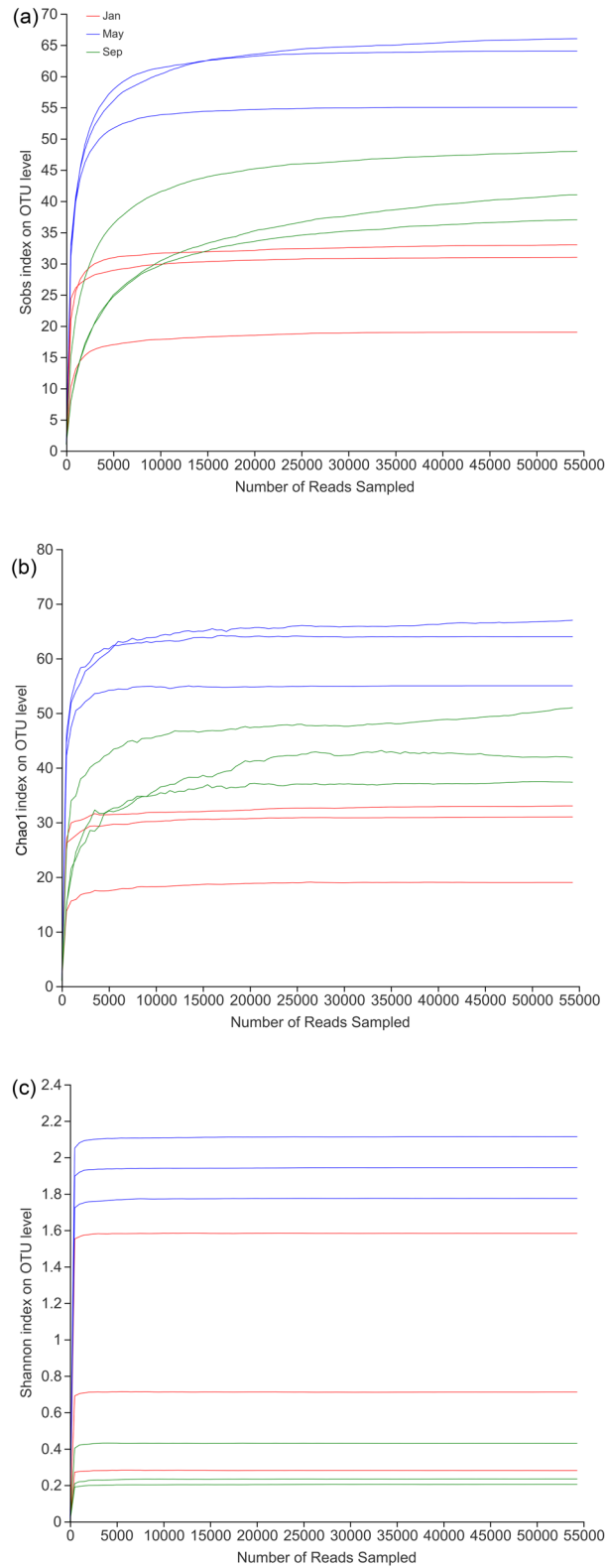


**Figure S1.** Rarefaction plots for bacterial microbiomes in the gut of *Dendroctonus valens* across seasons. (a) Observed operational taxonomic units (OTUs) plotted against the number of sequences per sample. (b) Chao1 as a measure of species richness plotted against the number of sequences per sample. (c) Shannon index of species diversity plotted against the number of sequences per sample.



**Figure S2.** Rarefaction plots for fungal microbiomes in the gut of *D. valens* across seasons. (a) Observed operational taxonomic units (OTUs) plotted against the number of sequences per sample. (b) Chao1 as a measure of species richness plotted against the number of sequences per sample. (c) Shannon index of species diversity plotted against the number of sequences per sample.

**Table S1.** Summary of sequence number and operational taxonomic units (OTUs) in the gut microbiome of *D. valens*.

Sample ID	Bacteria		Fungi	
	Sequences	OTU	Sequences	OTU
Jan_1	30228	276	66532	33
Jan_2	32734	300	74401	31
Jan_3	43446	273	72301	19
May_1	30636	34	73715	68
May_2	35737	40	54335	55
May_3	50575	50	64277	65
Sep_1	51401	138	73427	49
Sep_2	50842	136	70759	38
Sep_3	57422	131	72259	42