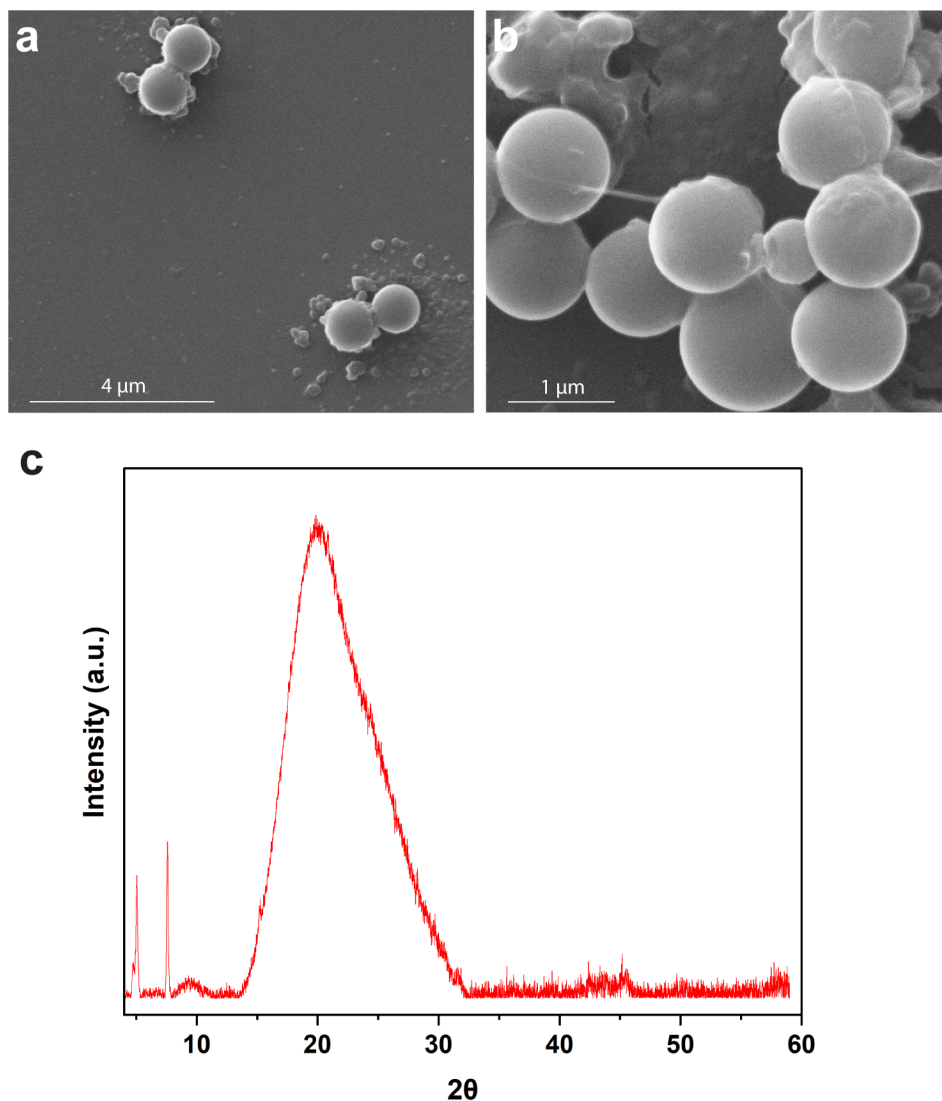
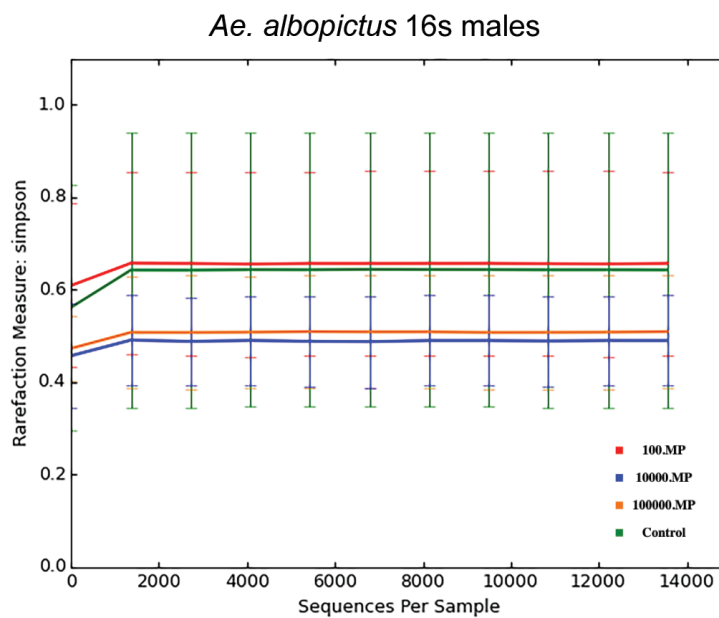
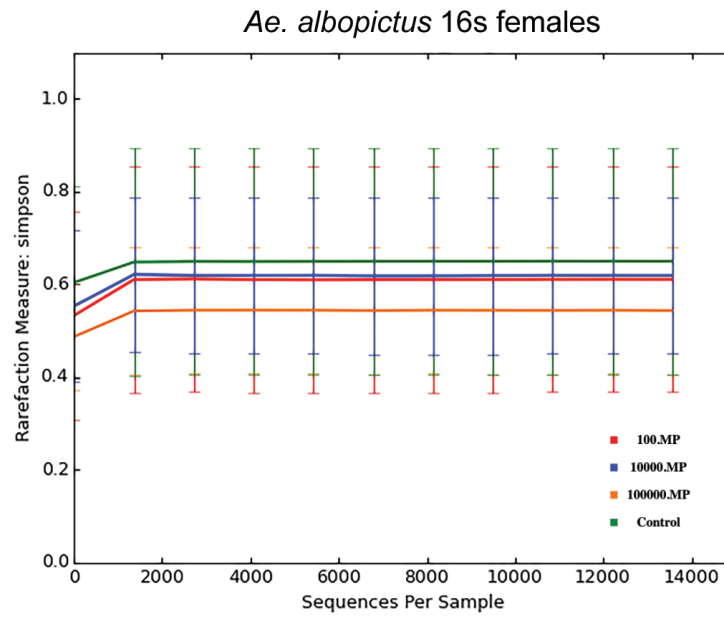
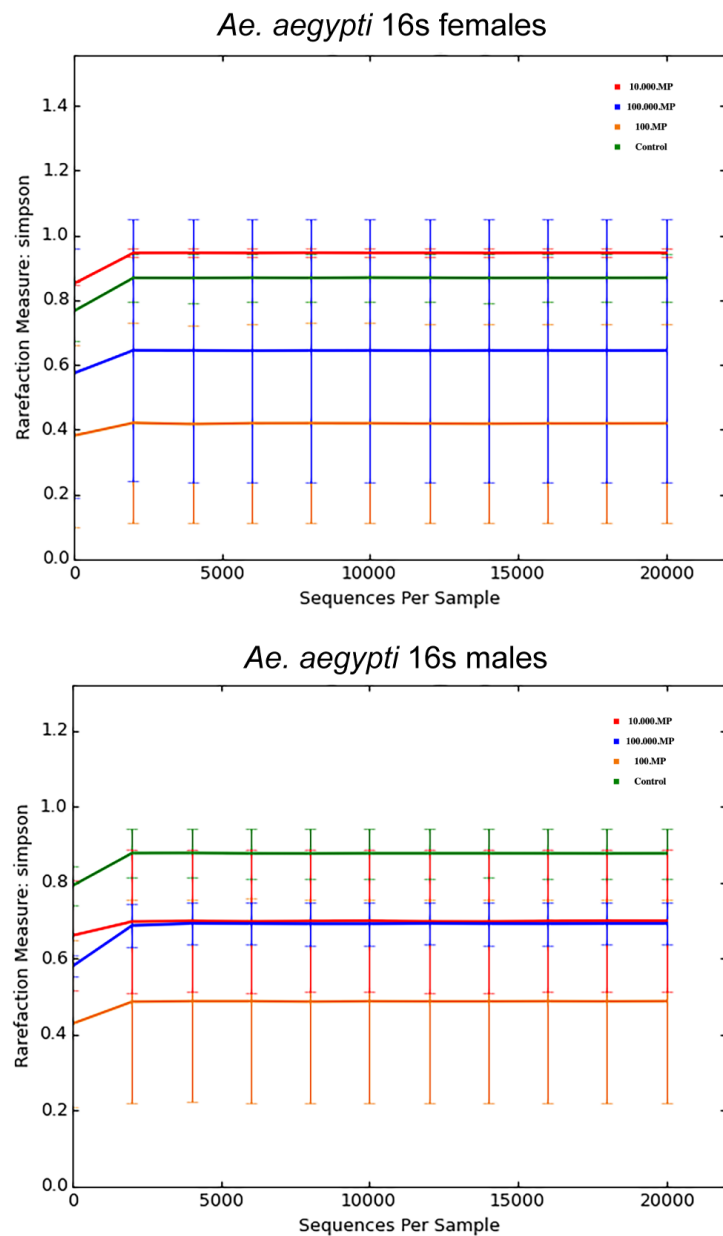




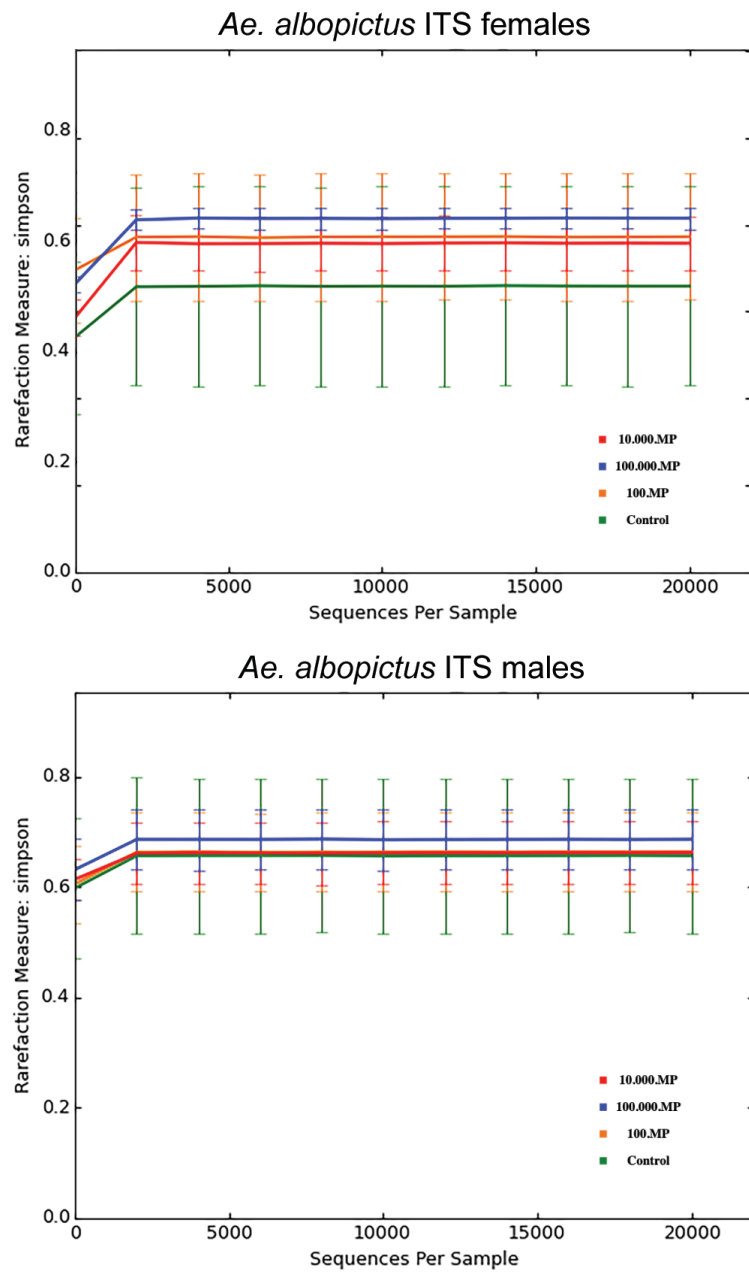
Supplementary Figure 1. (A and B) Morphology and size distribution of 1 μm polystyrene microplastic beads. Beads size was determined to be a 0.99 ± 0.04 μm in diameter ($n=10$) calculated from the SEM images, (C) XRD pattern showing a broad peak around 20° showing the amorphous nature of microplastics, which is consistent with polystyrene based microplastics.



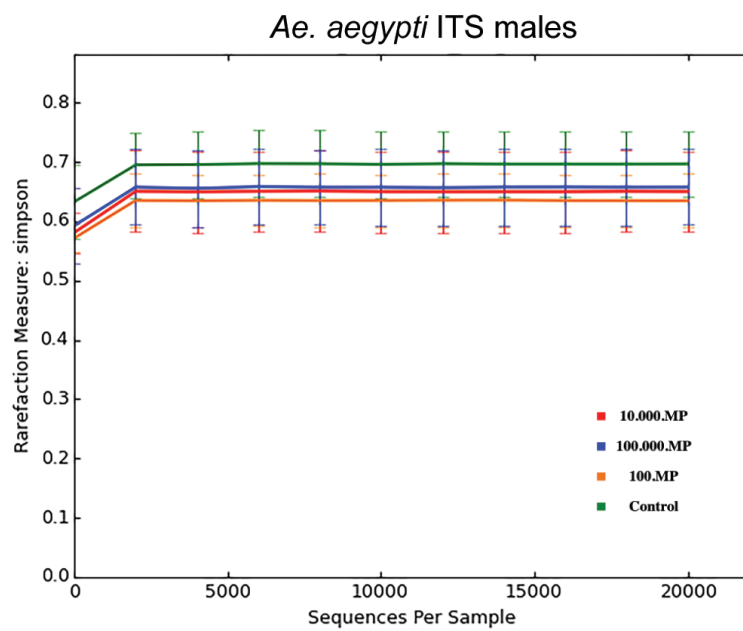
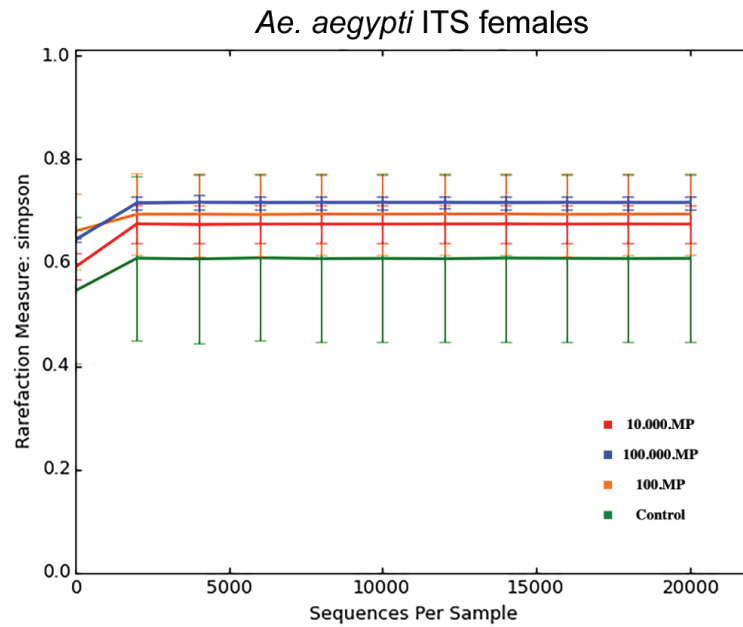
Supplementary Figure 2. Rarefaction curves plotted using Simpson alpha diversity metrics. Each line represents the mean $\pm$ standard deviation of each treatment type.



Supplementary Figure 3. Rarefaction curves plotted using Simpson alpha diversity metrics. Each line represents the mean $\pm$ standard deviation of each treatment type.



Supplementary Figure 4. Rarefaction curves plotted using Simpson alpha diversity metrics. Each line represents the mean $\pm$ standard deviation of each treatment type.



Supplementary Figure 5. Rarefaction curves plotted using Simpson alpha diversity metrics. Each line represents the mean $\pm$ standard deviation of each treatment type.