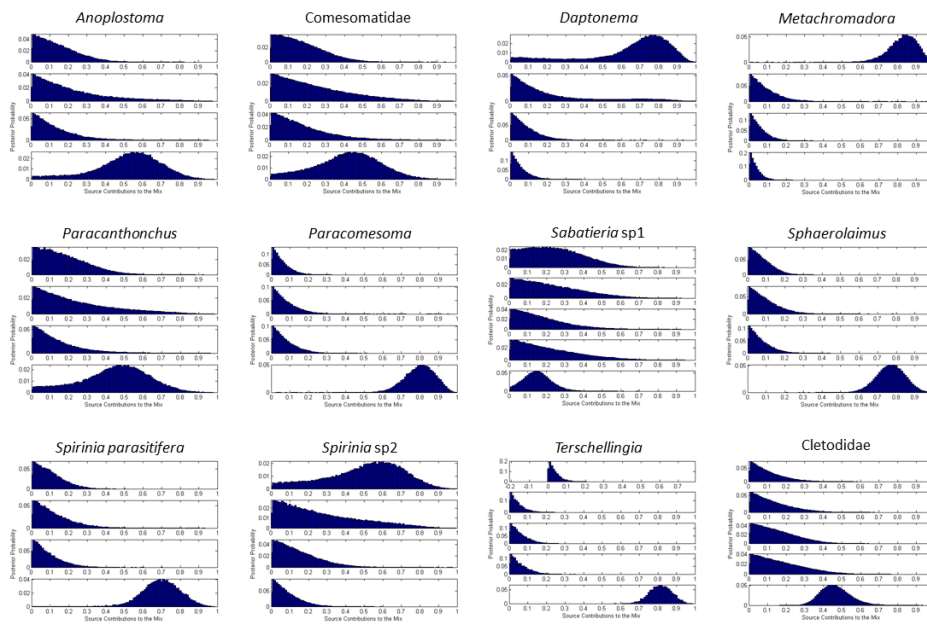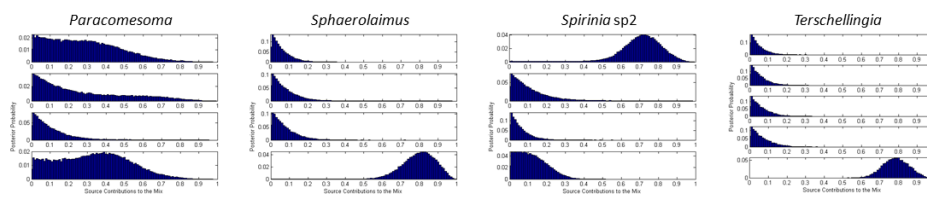1   **ESM.** Probability histograms of the proportional contribution of each resource to the carbon requirements of

2   meiofauna taxa in seagrass beds and their adjacent bare sediments, as computed by the isotope mixing

3   model MixSIR. The resources used are in order: seagrass detritus, epiphytes, *MPB* and *SPOM*, from above

4   to below, when four resources are presented, and when five, chemoautotrophic bacteria is the fifth.
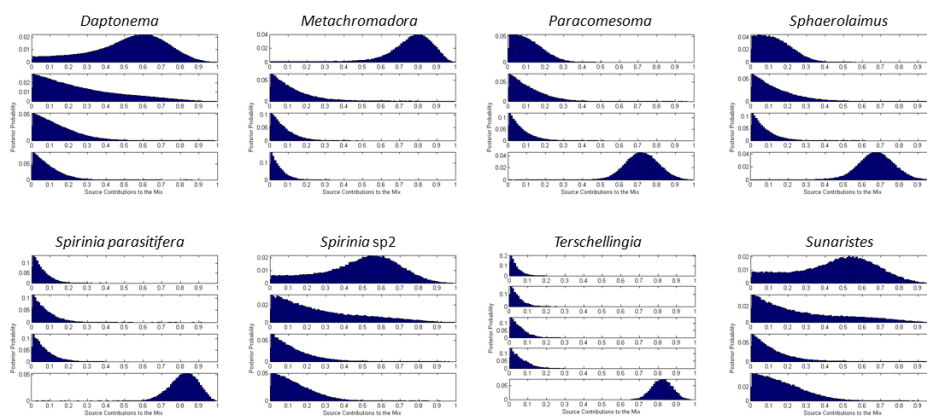
Proportional contribution of resources

Seagrass beds (upper 2 cm)

Anoplostoma · Comesomatidae · *Daptonema* · *Metachromadora*

Paracanthonchus · *Paracomesoma* · *Sabatieria* sp1 · *Sphaerolaimus*

Spirinia parasitifera · *Spirinia* sp2 · *Terschellingia* · Cletodidae

Seagrass beds (deeper sediments: 4-6 cm)

Paracomesoma · *Sphaerolaimus* · *Spirinia* sp2 · *Terschellingia*

Bare sediment (upper 2 cm)

Daptonema · *Metachromadora* · *Paracomesoma* · *Sphaerolaimus*

Spirinia parasitifera · *Spirinia* sp2 · *Terschellingia* · *Sunaristes*

Bare sediment (deeper sediments: 4-6 cm)

Paracomesoma · *Spirinia parasitifera*