

## DNA Extraction from Pat Yager:

For samples 1-12:

20-30 L of seawater was collected by Niskin bottle from the southern ocean. The samples were peristaltic pumped through a 3-um and then a 0.2-um polycarbonate filter membrane (GE). Filters were kept frozen at -80 and transported to US on dry ice.

We used the MoBio PowerMax Soil DNA Isolation Kit

(<http://www.mobio.com/products/productdetail.php?pid=167>) to extract DNA from the samples. We did not concentrate the DNA further chemically, but left it in the MoBio's "Solution C6" which is 10 mM Tris.

We used a spin vac 3x for 30 minutes to evaporate off some buffer and concentrate the samples.