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Summary

- Central Arctic sea ice, melt ponds, seawater, sediment and algal aggregates host distinct bacterial communities
- Strongest differences in bacterial community structure and composition between surface and deep-sea environments
- Contribution of surface-derived bacterial cells to community composition in aggregate deposits in the deep sea
- · Aggregates constitute link between surface and bottom bacterial communities
- Transport occurs via large aggregates, sediments without aggregates have (almost) no contribution of surface cells







