Figure 8. Correlation of nutrient concentrations throughout the whole water column of Kongsfjorden and Rijpfjorden. (a) nitrate (μmol L⁻¹) vs. phosphate (μmol L⁻¹) in relation to Redfield ratio (dashed lines for 1:15 and 1:16). In (a) colour coding for circles corresponds to Si:N ratio. Circles correspond to data measured in Kongsfjorden during NP2018 cruise. Triangles correspond to data measured in Kongsfjorden during NP2017 cruise. Squares correspond to data measured in Rijpfjorden during NP2017 cruise. Dark grey squares correspond to data from eastern Fram Strait (JR17005 and FS2018 cruises). (b) nitrate (μmol L⁻¹) vs. silicate (μmol L⁻¹) in Kongsfjorden (NP2018, circles; NP2017, triangles) and Rijpfjorden (NP2017, squares). Black regression line includes all points with salinity over 33.5 PSU. Light brown regression line includes all points with salinity below 33.5 PSU. In (b) colour coding corresponds to salinity. All p-values ≤ 0.05. Note: Regression results are in Table B1.

Figure 9. Correlation of silicate (μmol L⁻¹) vs. nitrate (μmol L⁻¹) in upper water column (<100 m) within the fjord (Kongsfjorden; NP2018 - dark red circles and NP2017- dark red triangles, Rijpfjorden; dark red squares) and outside of the fjord (eastern Fram Strait; black circles). Dark red dashed line is the regression line for Kongsfjorden (NP2018,2017) and Rijpfjorden (NP2017) surface data. Black dashed line is the regression line for eastern Fram Strait (JR17005 and FS2018) surface data. All p-values ≤ 0.05. Note: Regression results are in Table B1.