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419 **Supplement Figure 1** Relationship of phytoplankton growth rates to logarithmically transformed concentrations of
 420 enriched nitrate. Blue and red circles mean the stations in the upstream and downstream Kuroshio in the Tokara Strait,
 421 respectively. Pico: chlorophyll smaller than 2 μm . Nano: chlorophyll between 2 and 11 μm . Micro: chlorophyll larger
 422 than 11 μm .

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