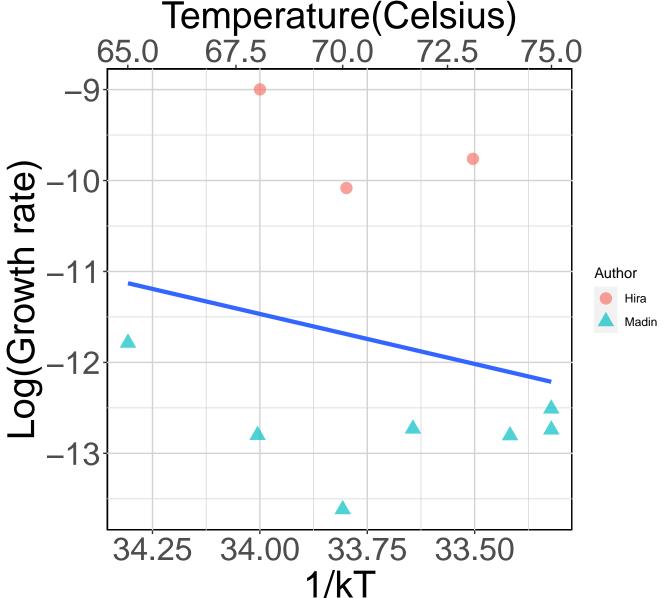
#### Actinobacteria Temperature(Celsius) 30 40 50 60 Log(Growth rate) Author Hira Madin 35 39 38 36

1/kT

#### Aquificae Tempe



#### Bacillariophyta Temperature(Celsius) 30 20 -10Log(Growth rate) **Author** Hira 13 39 42 41 40 38

1/kT

# **Bacteroidetes** Temperature(Celsius) 20 Log(Growth rate) Author Hira Madin 38 36 1/kT

#### Balneolaeota Temperature(Celsius) 27 28 29 25 26 30 -10.1Log(Growth rate) 10.2 Author Madin -10.4

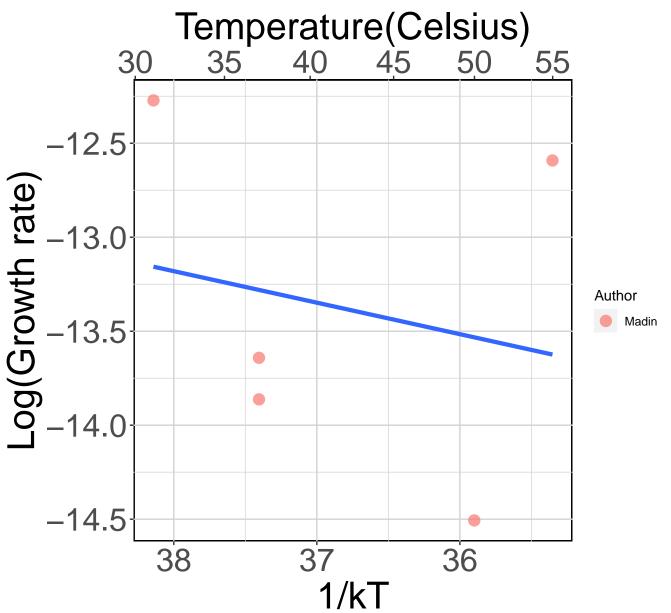
38.6

1/kT

38.8

38.4

### Chloroflexi



### Chlorophyta Temperature(Celsius) 20 30 Log(Growth rate) **Author** Hira 42 39 38 41 40 1/kT

### Crenarchaeota Temperature(Celsius) 80 85 75 90 Log(Growth rate) Author Hira Madin 32.5 33.0 32.0 1/kT

## Cyanobacteria Temperature(Celsius) 20 25 30 35 -11.0Log(Growth rate) -0.21--12.5 Author Hira

1/kT

39.0 38.5

39.5

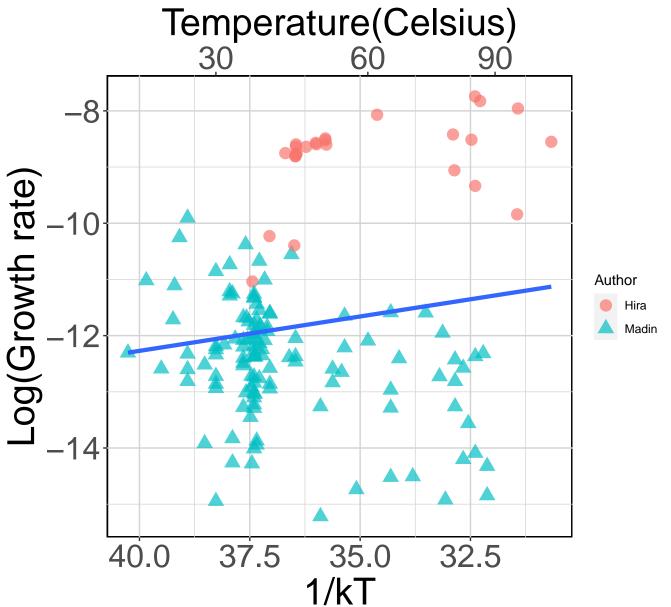
-13.0

# Cyanophyta Temperature(Celsius) 30 40 -10Log(Growth rate) **Author** Hira 39 37 1/kT 38 36

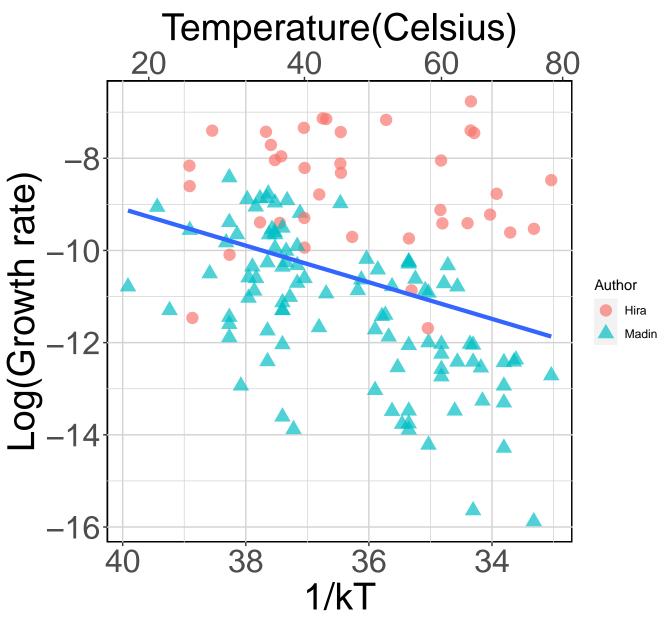
#### Deferribacteres Temperature(Celsius) 48 52 56 60 Log(Growth rate) Author Hira Madin 35.2 36.0 35.6 34.8 1/kT

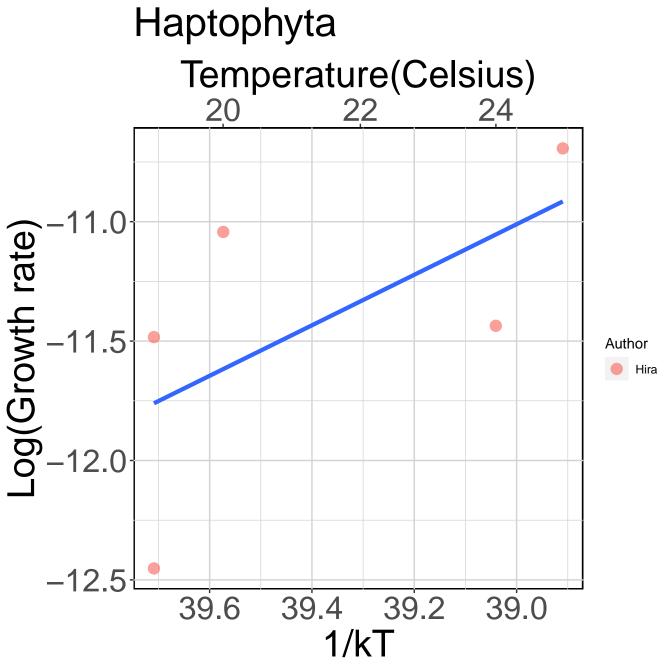
### Deinococcus-Thermus Temperature(Celsius) 40 50 70 Log(Growth rate) Author Hira Madin -1235 37 36 1/kT

### Euryarchaeota



#### Firmicutes





### Ochrophyta Temperature(Celsius) 25 10 15 20 30 Log(Growth rate) **Author** Hira 40 39 1/kT

#### **Others** Temperature(Celsius) 20 40 60 -11.5Log(Growth rate) 12.0 Author Hira Madin 12.5 -13.034 36 42 40 38 1/kT

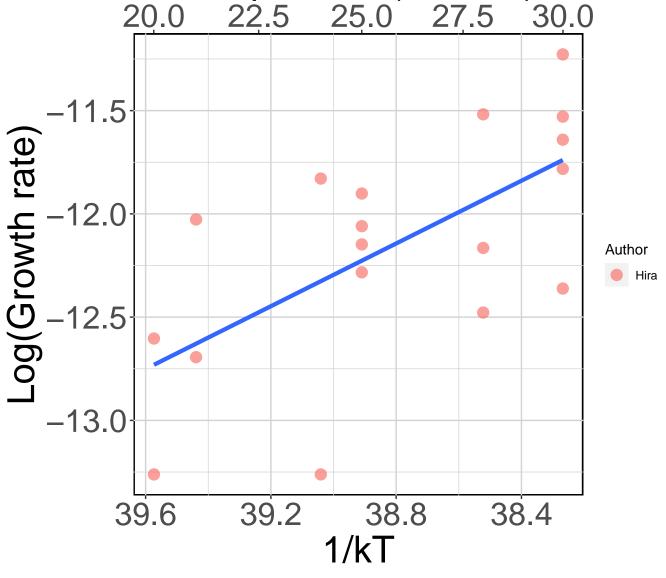
#### **Planctomycetes** Temperature(Celsius) 28 32 36 -11.20Fog(Growth rate) -11.30 -11.35 Author Hira Madin -11.4038.5 38.0 37.5 37.0 1/kT

#### Proteobacteria Temperature(Celsius) 40 20 60 80 Log(Growth rate) Author Hira Madin 42.5 40.0 37.5 35.0 32.5 1/kT

### Spirochaetes Temperature(Celsius) 25 30 35 50 Log(Growth rate) Author Madin 38 37 36 1/kT

# Streptophyta





# **Synergistetes** Temperature(Celsius) 45 50 55 60 Log(Growth rate) Author Madin 36.0 35.5 35.0 1/kT

### Thermodesulfobacteria Temperature(Celsius) 68 -12.00Log(Growth rate) -12.5 -12.75 Author Madin -13.0034.0 33.8 33.6 33.4 1/kT

### Thermotogae Temperature(Celsius) 55 60 65 Log(Growth rate) **Author** Hira Madin 34.5 34.0 35.0 1/kT