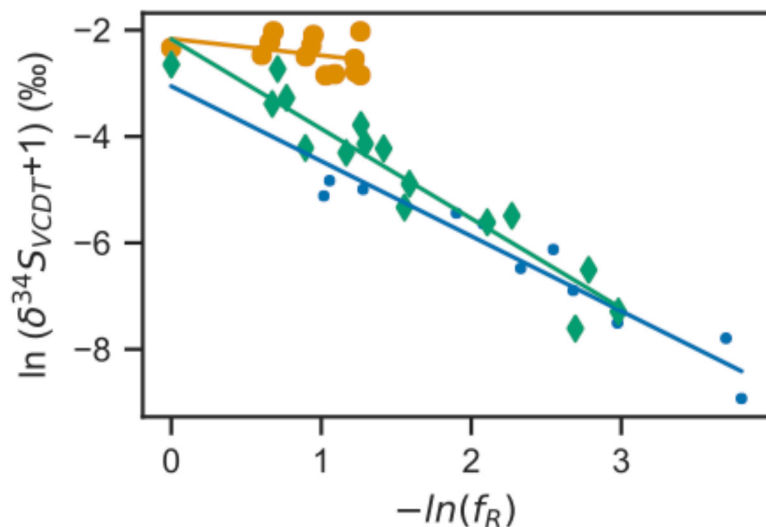
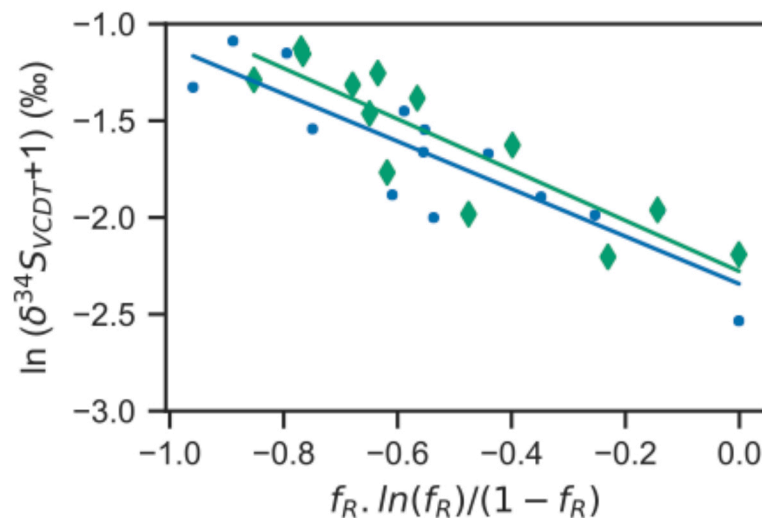


Sulfide to S(0)



S(0) to sulfate



[PO₄³⁻] (μM)

2,10

10

25

[B12] (pM)

10

100

500



◆ $^{34}\epsilon = 1.69$ ‰



● $^{34}\epsilon = 1.41$ ‰

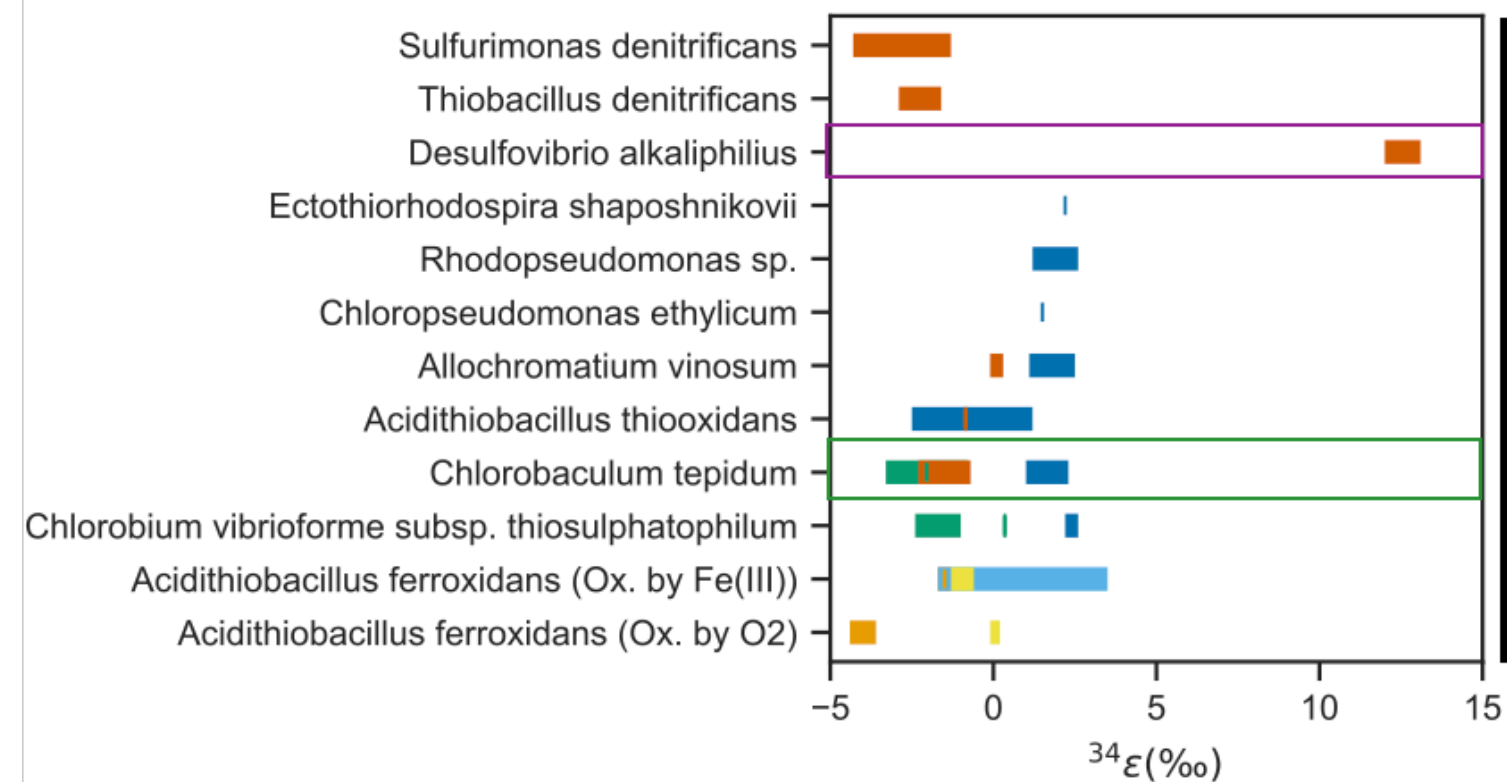


◆ $^{34}\epsilon = 1.23$ ‰



● $^{34}\epsilon = 1.31$ ‰

Vit B12 (nM)

[PO₄³⁻] (mM)

74

18.5/none

18.5

15

15

3.67

9.6

3.67

9.6

0.6 (y), 0.3 (o), 2.9 (c)

1.2 (y), 0.3 (o), 2.9 (c)

Substrate/Product

Chalcopyrite to SO₄S₀ to SO₄Sulfide to S₀Pyrite to SO₄Sphalerite to SO₄Sulfide to SO₄