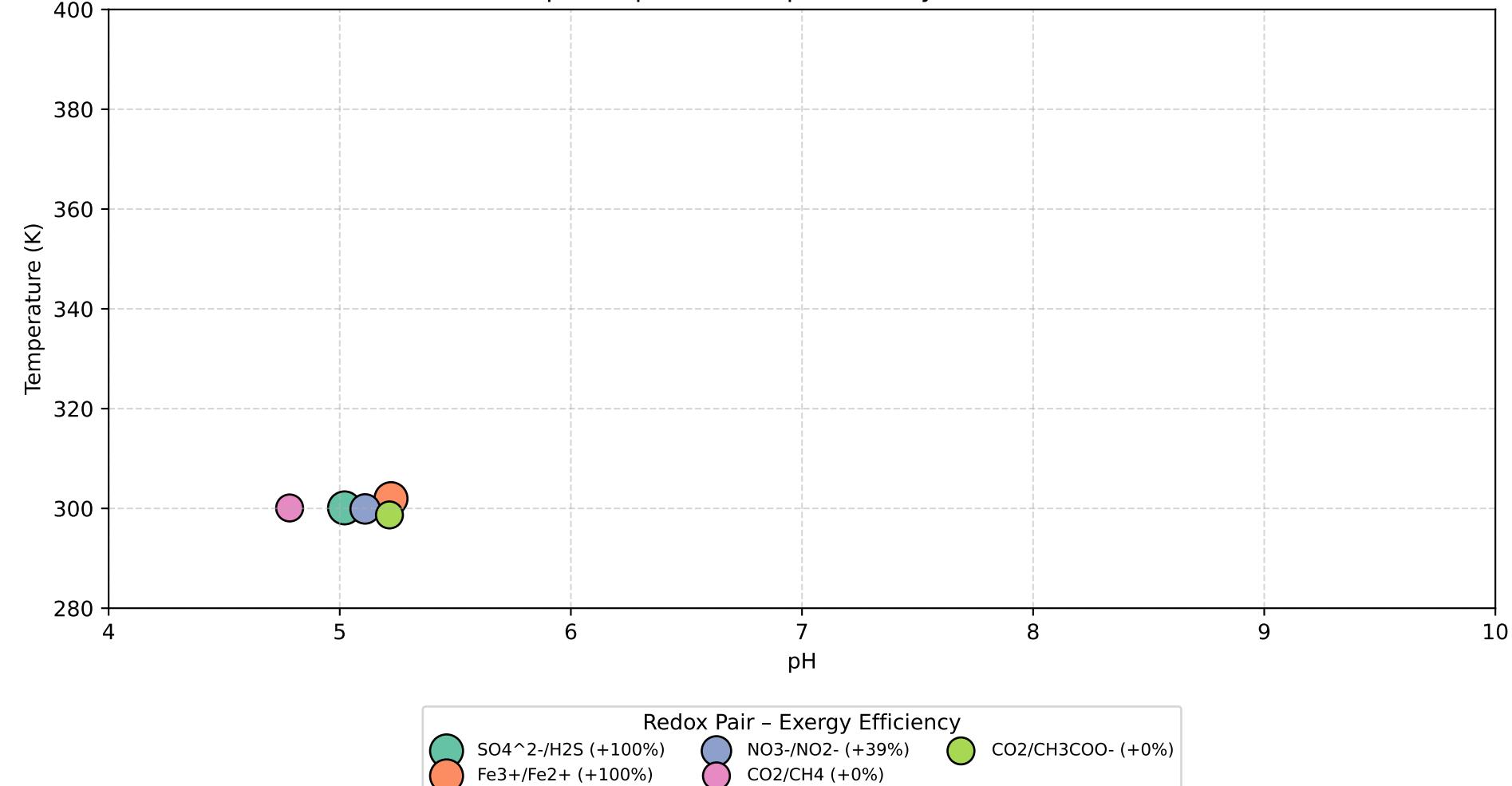


# Optimal pH and Temperature by Redox Pair



## Redox Pair – Exergy Efficiency

- SO<sub>4</sub><sup>2-</sup>/H<sub>2</sub>S (+100%)
- NO<sub>3</sub><sup>-</sup>/NO<sub>2</sub><sup>-</sup> (+39%)
- CO<sub>2</sub>/CH<sub>3</sub>COO<sup>-</sup> (+0%)
- Fe<sup>3+</sup>/Fe<sup>2+</sup> (+100%)
- CO<sub>2</sub>/CH<sub>4</sub> (+0%)

\*Some redox pairs excluded due to undefined exergy efficiency