Direct Interactions

- **commensalism**: 0
  - \( A \) → \( B \) (A benefits, B unaffected)
  - \( B \) → \( A \) (B benefits, A unaffected)

- **competition**: -
  - \( A \) → \( B \) (A harms B)
  - \( B \) → \( A \) (B harms A)

- **amensalism**: -
  - \( A \) → \( B \) (A harms B, A unaffected)
  - \( B \) → \( A \) (B harms A, B unaffected)

- **Consumption (antagonistic)**: +
  - \( A \) → \( B \) (A consumes B)
  - \( B \) → \( A \) (A consumes B)

- **mutualism**: +
  - \( A \) → \( B \) (A benefits B)
  - \( B \) → \( A \) (B benefits A)