

Chemical Patristic Distance from Dendrogram

4.0

3.5

3.0

Intraspecific comparison

Interspecific comparison (with *Pseudomonas*)

Interspecific comparison (other than *Pseudomonas*)

ebw-stm

ecr-seo

ecr-stm

ebw-seo

seo-stm

ebw-ecr

pae-pau

ChemDist $\sim \log(\text{PhyloDist})$

R squared:0.93, p-value:6.8e-09

Phylogenetic Distance (MYA)

10^0

$10^{0.5}$

10^1

$10^{1.5}$

10^2

$10^{2.5}$

10^3