Amino Acid Alignment
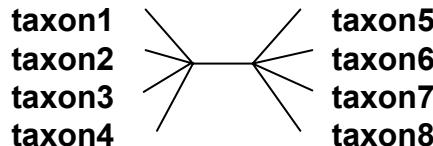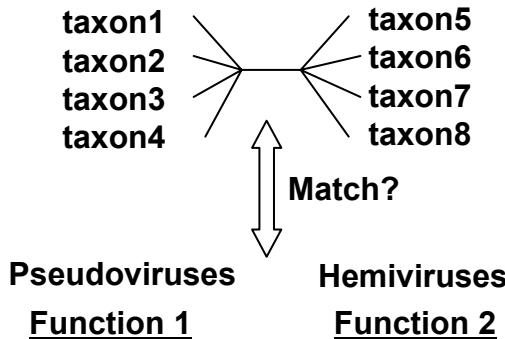
Function 1
(half-tRNA
priming)
- taxon1 …PRIMINGBYHALFTRNA…
- taxon2 …PRIMINGBYHALFTRNA …
- taxon3 …PRIMINGBYHALFTRNA …
- taxon4 …PRIMINGBYHALFTRNA …

Function 2
(full-tRNA
priming)
- taxon5 …PRIMINGBYFULLTRNA …
- taxon6 …PRIMINGBYFULLTRNA …
- taxon7 …PRIMINGBYFULLTRNA …
- taxon8 …PRIMINGBYFULLTRNA …

Tree from aligned sequences (split cluster)

taxon1   taxon5
taxon2   taxon6
taxon3   taxon7
taxon4   taxon8

Match?

Pseudoviruses   **Hemiviruses**

Function 1   **Function 2**

taxon1   taxon5
taxon2   taxon6
taxon3   taxon7
taxon4   taxon8

Predefined functional split