A) 1:1 orthologous relationship

Example 1
- Outgroup
- Tetrapods
- Teleost fish

Example 2
- Outgroup
- Tetrapods-1
- Teleost fish-1
- Tetrapods-2
- Teleost fish-2

B) Duplicated specific to tetrapod

Example 1
- Outgroup
- Tetrapods-1
- Tetrapods-2
- Teleost fish

Example 2
- Outgroup
- Teleost fish-1
- Tetrapods-1
- Teleost fish-2
- Tetrapods-2a
- Tetrapods-2b

C) Duplicated by 3R-WGD

Example 1
- Outgroup
- Tetrapods
- Teleost fish-1
- Teleost fish-2

Example 2
- Tetrapods-1
- Teleost fish-1a
- Teleost fish-1b
- Tetrapods-2
- Teleost fish-2a
- Teleost fish-2b

D) No clear orthologs found

Example 1
- Outgroup
- Tetrapods-1
- Tetrapods-2
- Teleost fish-1
- Teleost fish-2

Example 2
- Outgroup
- Teleost fish-1
- Tetrapods-1
- Tetrapods-2
- Teleost fish-2