



Ground-truth hierarchy:

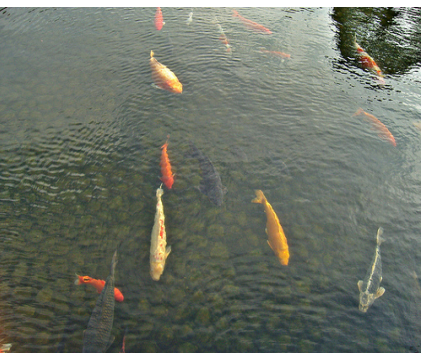
1. puppy (orig. label)
2. pup
3. dog
4. canine
5. domestic animal

Deep-HSEM predictions:

1. domestic animal
2. **dog**
3. **canine**
4. hunting dog
5. carnivore

Deep-Glove predictions:

1. heckelphone
2. *springer spaniel*
3. mozzarella
4. spoonbill
5. mammoth



Ground-truth hierarchy:

1. carp (orig. label)
2. cyprinid
3. cypriniform fish
4. soft-finned fish
5. teleost fish

Deep-HSEM predictions:

1. **soft-finned fish**
2. aquatic vertebrate
3. fish
4. teleost fish
5. bony fish

Deep-Glove predictions:

1. *crucian carp*
2. bethel
3. humming bird
4. coypu (mammal)
5. plasmodium



Ground-truth hierarchy:

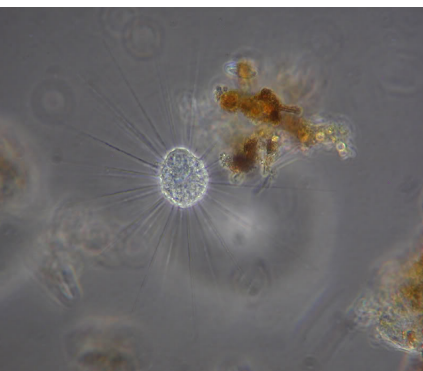
1. finch (orig. label)
2. oscine
3. passerine
4. bird
5. vertebrate

Deep-HSEM predictions:

1. animal
2. chordate
3. **vertebrate**
4. **bird**
5. organism

Deep-Glove predictions:

1. redpoll
2. fringdillae bird
3. cockateel
4. linnet
5. archaeopteryx
(bird-like dinosaur)



Ground-truth hierarchy:

1. ameba (orig. label)
2. rhizopod
3. protozoan
4. protoctist
5. micro-organism

Deep-HSEM predictions:

1. organism
2. person
3. artifact
4. vascular plant
5. plant

Deep-Glove predictions:

1. pantehnicon van
2. elasmobranch (class of fish)
3. tenterhook
4. phasianid bird
5. edentate (class of mammals)