

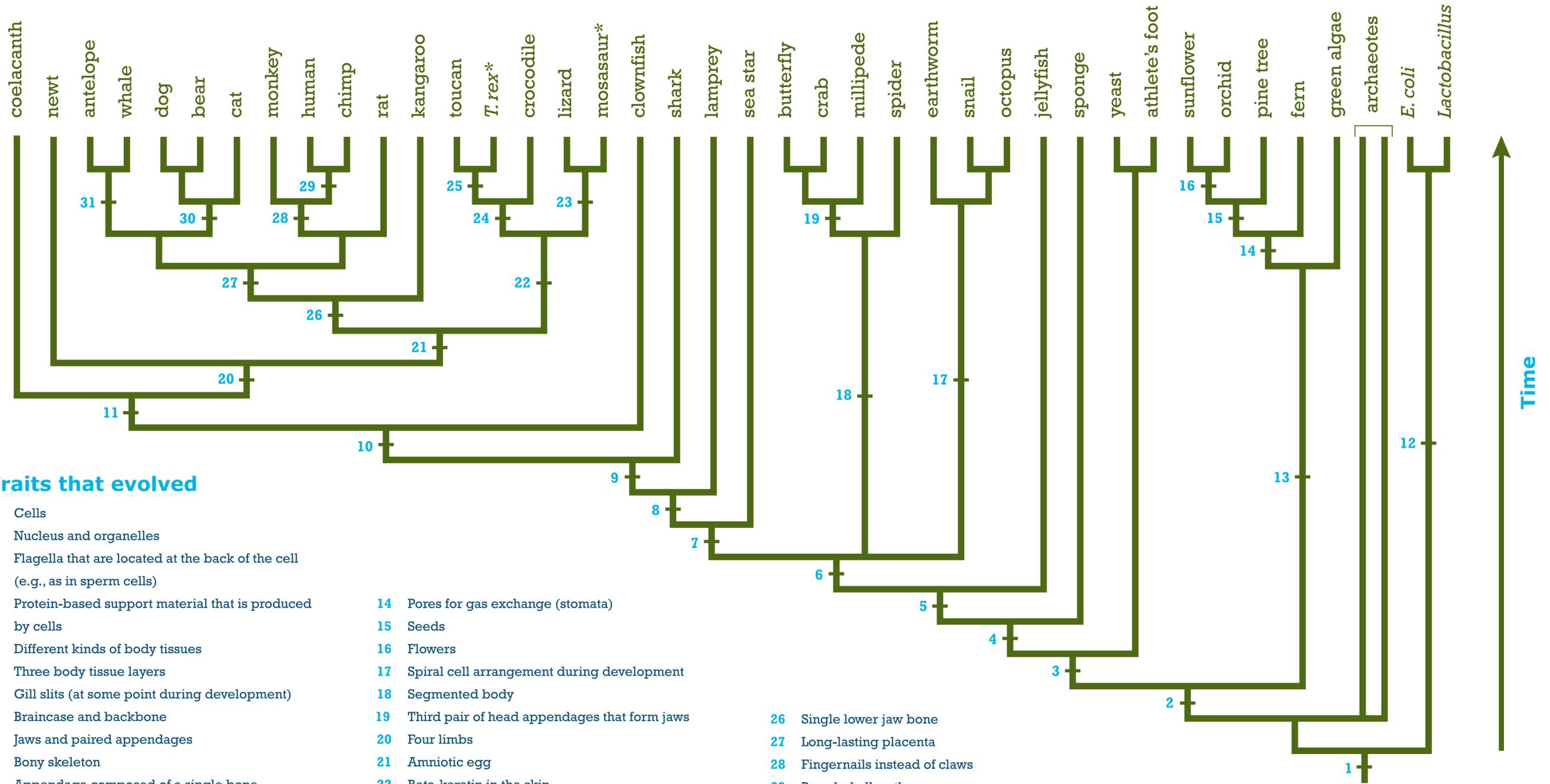
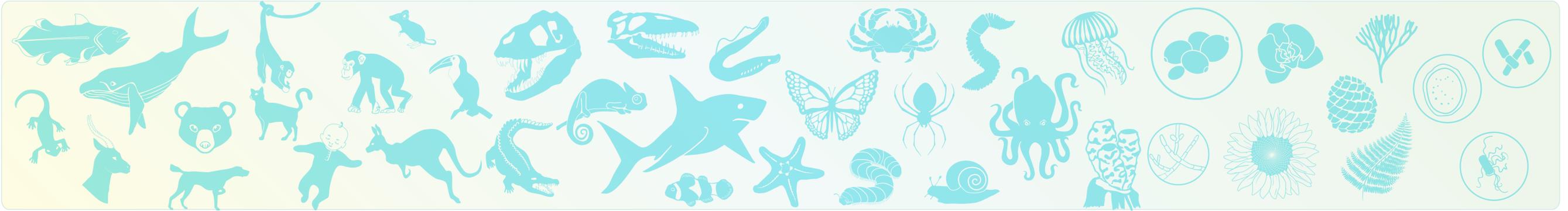


The Tree of Life

Find your favorite organisms and follow the tree to find their common ancestor.

Visit **The Tree Room** at www.treerom.org to learn more about evolutionary trees.

UOMP Understanding Evolution — <http://evolution.berkeley.edu>
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Traits that evolved

- | | | |
|---|--|--|
| 1 Cells | 14 Pores for gas exchange (stomata) | 26 Single lower jaw bone |
| 2 Nucleus and organelles | 15 Seeds | 27 Long-lasting placenta |
| 3 Flagella that are located at the back of the cell (e.g., as in sperm cells) | 16 Flowers | 28 Fingernails instead of claws |
| 4 Protein-based support material that is produced by cells | 17 Spiral cell arrangement during development | 29 Broad, shallow thorax |
| 5 Different kinds of body tissues | 18 Segmented body | 30 Specialized slicing teeth (large upper fourth premolar and lower first molar) |
| 6 Three body tissue layers | 19 Third pair of head appendages that form jaws | 31 Double pulley ankle bone (astragalus) |
| 7 Gill slits (at some point during development) | 20 Four limbs | |
| 8 Braincase and backbone | 21 Amniotic egg | |
| 9 Jaws and paired appendages | 22 Beta-keratin in the skin | |
| 10 Bony skeleton | 23 Flexible bones at back of skull (cranial kinesis) | |
| 11 Appendage composed of a single bone (humerus) that articulates with the shoulder | 24 Bump on the rear of the ankle bone (calcaneus) | |
| 12 Hollow flagella on cells | 25 Wishbone or furcula (fused clavicle bones) | |
| 13 Cell wall made of cellulose | | |

**extinct*

Modified from **The Wellcome Tree of Life**
<http://www.wellcometreelife.org/interactive>