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were small and had just two forks. As antlers evolved, they lengthened and gained many branches, or tines, becoming more complex. The homology of tines... 37 KB (4,127 words) - 19:29, 22 January 2024
behaviour; they examine function, phylogeny, mechanism, and ontogeny. The concept of homology began with Aristotle; the evolutionary developmental biologist... 154 KB (16,741 words) - 08:36, 10 March 2024

tautologically true forms (viz. the Euler characteristic) into or out of forms from homology, or more abstractly, from homological algebra.) Lakatos proposed an account... 136 KB (15,633 words) - 21:12, 12 March 2024

had collected 17,800 rock samples. His focus on morphology and what was later called homology influenced 19th-century naturalists, although his ideas of... 98 KB (11,246 words) - 03:17, 15 March 2024

roughly the size and shape of a pea and is estimated to have 8,000 and possibly more than 10,000 sensory nerve endings. Sexological, medical, and psychological... 201 KB (18,600 words) - 02:31, 15 March 2024

conclusions and differing from the Atreya-Caraka tradition. The osteological system of Sushruta, states Hoernle, follows the principle of homology, where the... 68 KB (5,338 words) - 15:48, 4 March 2024
acted on embryos, and that animal structures were determined by a constant plan as demonstrated by homologies. Georges Cuvier strongly disputed such ideas... 162 KB (18,450 words) - 00:04, 15 March 2024

and is expressed in the retina and cochlea. Myosin IV has a single IQ motif and a tail that lacks any coiled-coil forming sequence. It has homology similar... 38 KB (4,436 words) - 20:26, 9 November 2023
inferences and consideration of anticipated objections. In making the case for common descent, he included evidence of homologies between humans and other... 162 KB (15,852 words) - 20:25, 4 March 2024

along the arch and from the central gill ray. Gegenbaur suggested a model of transformative homology – that all vertebrate paired fins and limbs were transformations... 88 KB (7,526 words) - 10:49, 20 February 2024

control their assembly and function; this is called deep homology. During evolution, some structures may lose their original function and become vestigial structures... 238 KB (24,634 words) - 04:50, 28

February 2024

similarities in morphology that come from common ancestry (called homology). Strong evidence for evolution comes from the analysis of homologous structures:... 80 KB (9,137 words) - 07:34, 14 March 2024

Pittman, M.; Saitta, E.; Kaye, T.G.; Vinther, J. (2016). "Structure and homology of Psittacosaurus tail bristles". *Palaeontology*. 59 (6): 793–802. Bibcode:2016Palgy... 283 KB (28,163 words) - 07:25, 14 March 2024

larger than other myoglobins." Moreover, its amino acid sequence has no homology with other invertebrate myoglobins or with hemoglobins, but is 35% homologous... 136 KB (14,785 words) - 06:37, 7 March 2024

Development and Organization. Springer. pp. 1–19. ISBN 9783662035337., In Kubitzki & Huber (1998) Tomlinson, P. B. (1995). Non-homology of vascular organisation... 115 KB (11,048 words) - 12:55, 15 January 2024

flagella—eukaryotic, bacterial, and archaeal—has been shown to have evolutionary pathways. For archaeal flagella, there is a molecular homology with bacterial Type... 125 KB (14,635 words) - 17:53, 23 February 2024

chloroplasts and prokaryotes. Such loss is also rarely observed in other plastids and prokaryotes. An additional 4.5S rRNA with homology to the 3' tail... 193 KB (18,774 words) - 13:51, 2 February 2024

Rich; David, Bruno (December 1998). "Evolution Within a Bizarre Phylum: Homologies of the First Echinoderms". *American Zoologist*. 38 (6): 965–974. doi:10... 235 KB (22,638 words) - 06:54, 23 February 2024

(2014). "The origins of adipose fins: an analysis of homoplasy and the serial homology of vertebrate appendages". *Proceedings of the Royal Society B*.... 96 KB (9,967 words) - 04:11, 2 March 2024

has caused debates about the homology of respiratory centers between aquatic and terrestrial species. In both aquatic and terrestrial respiration, the... 79 KB (9,800 words) - 13:59, 9 February 2024