

# Hominid adaptations and extinctions

UNSW Press - Hominid Adaptations and Extinctions by David Wayne Cameron

## Case Study: How Did Humans Become Such a Powerful Species?

- Three human adaptations
  - Strong opposable thumbs
  - Walk upright
  - Complex brain

Description: -

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Human evolution

Paleoanthropology

Fossil hominids Hominid adaptations and extinctions

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Notes: Includes bibliographical references (p. [219]-250) and index

This edition was published in 2004



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Tags: #How #Have #Hominids #Adapted #to #Past #Climate #Change?

## Hominid Development, the Great Human Migration, and the Concept of Race

Alleles can be or , in which the associated with the dominant alleles is expressed, if even the individual inherits one dominant and one recessive , or individuals.

### Early Hominins

Dates of these early relatives range from around 7 million years ago mya to around 1 mya, overlapping temporally with members of our genus, Homo Figure 9. The crossover could make them more accurate at modeling future climate, said , a professor of geosciences, ecology and evolutionary biology at the University of Arizona. However, the degree of interspecific variability and the extent to which these barriers acted as drivers of speciation are still debated.

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All individuals inherit two alleles from their parents, one from the mother and one from the father.

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Cranial features A short cranial base and a foramen magnum hole in which the spinal cord enters the cranium that is more humanlike in positioning, has been argued to indicate upright walking. Other A 2015 study noted that the trabecular bone morphology of the hand was consistent with forceful tool manufacture and use, suggesting potential early tool abilities.

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