

Ancestral (ape-like) and Derived (sapiens-like) Traits

Trait	Ancestral (ape-like)	Derived (sapiens-like)
Fore-limb to hind-limb proportion		
Os coxa shape		
Position of knee relative to torso and pelvic girdle		
Shape of pedal phalanges (longer, curved/shorter, straight)		
Position of great toe relative to rest of toes (Divergent/Convergent)		
Position of foramen magnum (more forward/more to the rear)		
Prognathism (slight/pronounced)		
Nasal bones (flattened/protruding)		
Chin (receding/protruding)		
"Face to cranium" size (large to small or small to large)		
Position of temporal line (closer to/ further from sagittal suture)		
Shape of tooth row (parabolic/parallel)		
Diastema (present/absent)		

Traits useful for identifying fossil

A. afarensis

P. aethiopicus

P. boisei

P. robustus

A. africanus

H. habilis

H. rudolfensis

H. erectus

H. heidelbergensis

H. neanderthalensis

H. sapiens

Hominins: Geographical localities and Dates

Hominin	Location	Dates
<i>Australopithecus afarensis</i>		
<i>Australopithecus africanus</i>		
<i>Paranthropus aethiopicus</i>		
<i>Paranthropus bosei</i>		
<i>Paranthropus robustus</i>		
Early Homo <i>Homo habilis</i>		
Early Homo <i>Homo rudolfensis</i>		
<i>Homo erectus</i>		
<i>Homo heidelbergensis</i>		
<i>Homo neanderthalensis</i>		
<i>Homo sapiens</i>		