Kangaroo Evolution with a focus on tree-kangaroos (by L.Kazmeier)

Common ancestor of modern kangaroos, pademelons, rock-wallabies and tree-kangaroos

Common ancestor of Possums and Kangaroos

Kangaroo ancestor

Musky rat-kangaroo

Possums split up into species

Common ancestor of pademelons, rock-wallabies and tree-kangaroos

Modern Kangaroos start to split up into species

Tree-kangaroos (Dendrolagus)

Rock-wallabies (Petrogale)

Pademelons (Thylogale)

Chronology (MBP = million years before present)

53 MBP  Possum ancestor splits from kangaroo line
50 MBP  Possums start to radiate (split up) into species
45 MBP  The most primitive still living kangaroo (Musky rat-kangaroo) splits from the kangaroo line
approx.  The common ancestor of pademelons, rock wallabies and
25 MBP  tree-kangaroos splits from the line of the modern kangaroos, which starts to radiate into the present day set of species

8 MBP  The pademelon line splits from the rock-wallaby/tree-kangaroo line
7.5 MBP  The tree-kangaroo ancestor splits from the line that radiates into the present day set of rock-wallaby species

Over the last 7 million years the tree-kangaroos radiate into the present day set of species