## Kangaroo Evolution with a focus on tree-kangaroos (by L.Kazmeier) Tree-kangaroos (Dendrolagus) Common ancestor of pademelons, rock-wallabies and tree-kangaroos Rock-wallabies (Petrogale) Common ancestor of modern kangaroos, pademelons, rock-wallabies and tree-kangaroos Pademelons (Thylogale) Kangaroo ancestor Modern Kangaroos start to split up into species Common ancestor of Possums Musky rat-kangaroo and Kangaroos Possums split up into species Mio Years before present 55 30 25 20 10 0

## Chronology (MBP = million years before present)

<b>53 MBP</b>	Possum ancestor splits from kangaroo line
<b>50 MBP</b>	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. 25 MBP	The common ancestor of pademelons, rock wallabies and tree-kangaroos splits from the line of the modern kangaroos, which starts to radiate into the present day set of species

- B 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