PRIMATE CLADOGRAM based on CHROMOSOME BANDING PATTERNS

APES

Humans 2n=46
Chimps 2n=48
Gorilla 2n=48
Orang-utan 2n=48
Gibbons 2n=38-52

Inferred ancestor 2n=42

Inv. of IV, IX, XVII
Inv. of VII, X, XVIII
Inv. of XII

Rapid, extensive change

Fusion of 2
Inv. of 4, 9, 17
Inv. of XII

Rapid change

SOME OF THE MANY
CHANGES OBSERVED
FUSIONS,
INVERSIONS
FISSIONS

OLD WORLD MONKEYS

Leaf monkeys (Colobinae) 2n=44-48
Vervet monkeys and guenons (Cercopiths) 2n=48-72
Macaques and baboons (Papionini) 2n=42

Macaques and baboons
Inferred ancestor
2n=42

Fission to 2n=44
Slow change

Fusion to 2n=48
Two fissions to 2n=48

Rapid change

Inv. of III, IV, X, XII
Inv. of III, IV, X, XII
Inv. of VII, X, XVIII