Supplementary information 1: Gorilla family trees. Information on the geographical origin of the sampled gorillas are based on the capture locations of the gorillas themselves or (in the case of captive-born individuals) the capture locations of their wild-born ancestors. 1) Snowflake, AKA Floquet (#0281) Born in the wild (~1962) Captured in Equatorial Guinea (source: Jonch, 1968) 2) Guy (#0005) Born in the wild (~1946) Captured in Cameroon (then French Cameroons) (source: Natural History Museum) 3) Mukisi (#9912) Born in the wild (~1957) Captured in the Walikale region, Democratic Republic of Congo (source: Jensen-Seaman & Kidd, 2001) 4) Effie's family: Effie (#1287) Born in Copenhagen Zoo (1993) Samson (#Ó492) Salome (#0530) Born in the wild (~1972) Born in the wild (~1972) Capture location unknown Captured in Cameroon (source: Gorilla studbook) 5) BiKira's family: BiKira (#1352) Born in Amsterdam Zoo (1995)

Tembo (#0185) Dafina (#0972) Born in Stuttgart Zoo (1987) Born in the wild (~1961) Captured in Cameroon (source: Gorilla studbook) Banjo (#0255) Dina (#0477) Born in the wild (~1965) Born in the wild (~1970) Captured in Cameroon Capture location unknown (source: Gorilla studbook) 6) Kaja's family: Kaja (#0700) Born in Howletts Zoo Park (1979)

(source: Aspinall, 1976) 7) Victoria's family: Victoria (#9919) Born in Antwerp Zoo (1968) Kisubi (#9908) Quivu (#9917) Born in the wild (~1955) Born in the wild (~1961) Captured in the Walikale region, Captured in the Walikale region,

Juju (#Ò372)

Born in the wild (~1962)

Democratic Republic of Congo

Bridgette (#0226)

Born in the wild (~1961)

(source: Hofman)

Born in Omaha's Henry Doorly Zoo (1978)

Captured in Cameroon (then Southern Cameroons)

Kisoro (#0184)

Democratic Republic of Congo

Casey I (#0083)

Born in the wild (~1956)

(source: Hofman)

8) Murphy's family

10) Kesho's family:

Horst, AKA Harry (#0935)

Gorgo (#0766)

Massa (#0578)

Born in the wild (~1971)

Capture location unknown

12) Matadi's family:

Born in Krefeld Zoo (1981)

Boma (#0588)

Born in the wild (~1973)

Captured in Cameroon (Source: Gorilla studbook)

Matadi (#1745)

Born in Frankfurt Zoo (1986)

Born in the wild (~1961) Capture location unknown

Captured in West Africa Captured in West Africa (source: Gorilla studbook) (source: Gorilla studbook) 9) Kamilah's family: Kamilah (#0661) Born in San Diego Zoo (1977) Pete (#0384) Nina (#0330) Born in the wild (~1967) Born in the wild (~1968) Captured in Cameroon Capture location unknown (source: Gorilla studbook)

Kesho (#1521)

Born in Dublin Zoo (1999)

Xerna, AKA Lena (#0803)

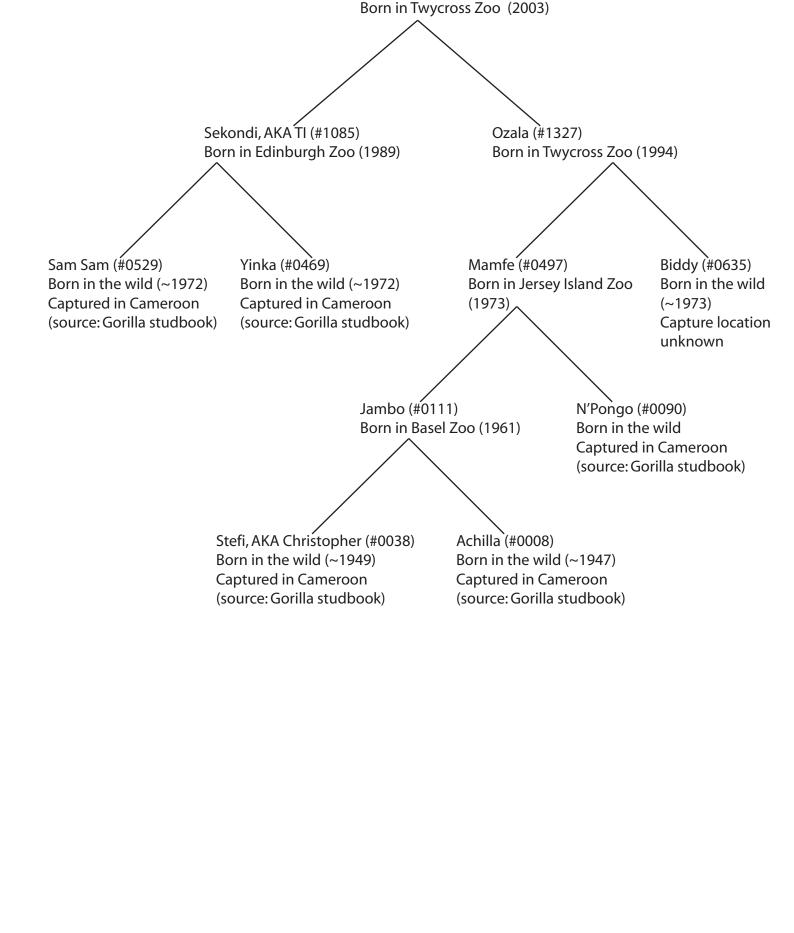
Born in Rotterdam Zoo (1982)

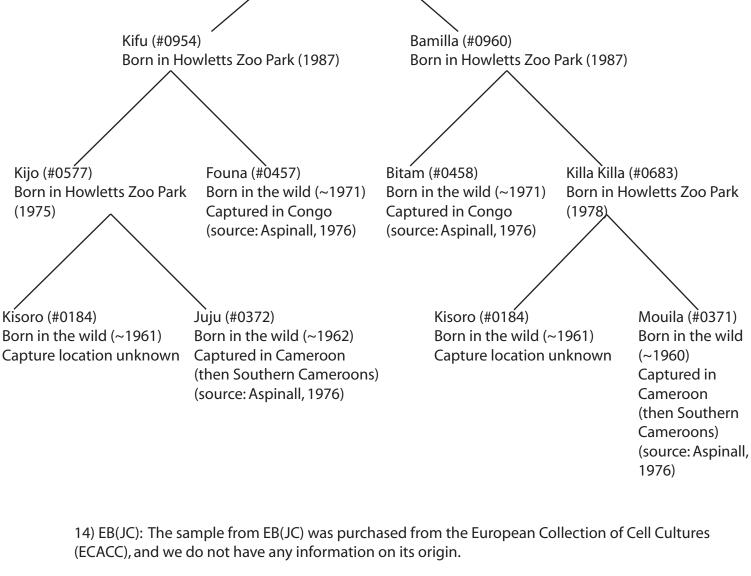
Bebe (#0860)

Born in the wild (~1979) Captured in Cameroon (source: Gorilla studbook)

Murphy (#0684)

Matze (#0337) Dorette (#0276) Ernst (#0566) Xara (#0402) Born in the wild (~1957) Born in the wild (~1965) Born in the wild (~1972) Born in the wild (~1969) Capture location unknown Capture location unknown Captured in Cameroon Captured in Congo (source: Gorilla studbook) (source: Gorilla studbook) 11) Ruby's family: Ruby, AKA B'windi (#1437) Born in Arnhem Zoo (1997)





Fubu (#1742)

Born in Howletts Zoo Park (2003)

13) Fubu's family:

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