

**Supplementary file 3.** Individual code designation of subspecies and origin of 75 giraffe samples sequenced for mitochondrial and nuclear markers.

Individual	Subspecies assigntion	Origin
WA026	<i>peralta</i>	Koure, Niger
WA036	<i>peralta</i>	Koure, Niger
WA621	<i>peralta</i>	Koure, Niger
WA622	<i>peralta</i>	Koure, Niger
WA623	<i>peralta</i>	Koure, Niger
WA700	<i>peralta</i>	Koure, Niger
WA705	<i>peralta</i>	Koure, Niger
WA707	<i>peralta</i>	Koure, Niger
WA708	<i>peralta</i>	Koure, Niger
WA720	<i>peralta</i>	Koure, Niger
GNP01	<i>antiquorum</i>	Garamba National Park, DR Congo
GNP02	<i>antiquorum</i>	Garamba National Park, DR Congo
GNP03	<i>antiquorum</i>	Garamba National Park, DR Congo
SNR1	<i>antiquorum</i>	Shambe National Park, South Sudan
SNR2	<i>antiquorum</i>	Shambe National Park, South Sudan
ZNP01	<i>antiquorum</i>	Zakouma National Park, Chad
ETH1	<i>camelopardalis</i>	Gambella National, Ethiopia
ETH2	<i>camelopardalis</i>	Gambella National, Ethiopia
ETH3	<i>camelopardalis</i>	Gambella National, Ethiopia
MF01	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF02	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF03	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF04	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF06	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF07	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF09	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF13	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF14	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF15	<i>rothschildi</i>	Murchison Falls National Park, Uganda
MF17	<i>rothschildi</i>	Murchison Falls National Park, Uganda
Ret1	<i>reticulata</i>	Zoo
Ret3	<i>reticulata</i>	Zoo
Ret4	<i>reticulata</i>	Zoo
Ret5	<i>reticulata</i>	Zoo
Ret6	<i>reticulata</i>	Zoo
RetWil	<i>reticulata</i>	Zoo
RetWil2	<i>reticulata</i>	Zoo
RETRot1	<i>reticulata</i>	Zoo
RETRot2	<i>reticulata</i>	Zoo
RETRot3	<i>reticulata</i>	Zoo
ISC03	<i>reticulata</i>	Ishqbini Conservancy, Kenya
ISC04	<i>reticulata</i>	Ishqbini Conservancy, Kenya
ISC08	<i>reticulata</i>	Ishqbini Conservancy, Kenya
LWC01	<i>reticulata</i>	Loisaba Wildlife Conservancy, Kenya
LVNP20	<i>thornicrofti</i>	Luangwa Valley National Park, Zambia

<b>LVNP21</b>	<i>thornicrofti</i>	Luangwa Valley National Park, Zambia
<b>LVNP31</b>	<i>thornicrofti</i>	Luangwa Valley National Park, Zambia
<b>LVNP35</b>	<i>thornicrofti</i>	Luangwa Valley National Park, Zambia
<b>LVNP36</b>	<i>thornicrofti</i>	Luangwa Valley National Park, Zambia
<b>SGR01</b>	<i>tippelskirchi</i>	Selous Game Reserve, Tanzania
<b>SGR12</b>	<i>tippelskirchi</i>	Selous Game Reserve, Tanzania
<b>SGR14</b>	<i>tippelskirchi</i>	Selous Game Reserve, Tanzania
<b>MTNP2</b>	<i>giraffa</i>	Mosi-oa-Tunya National Park, Zambia
<b>MTNP3</b>	<i>giraffa</i>	Mosi-oa-Tunya National Park, Zambia
<b>BNP01</b>	<i>giraffa</i>	Bwabwata National Park, Namibia
<b>BNP04</b>	<i>giraffa</i>	Bwabwata National Park, Namibia
<b>KKR01</b>	<i>giraffa</i>	Khamab Kalahari Reserve, South Africa
<b>KKR02</b>	<i>giraffa</i>	Khamab Kalahari Reserve, South Africa
<b>KKR04</b>	<i>giraffa</i>	Khamab Kalahari Reserve, South Africa
<b>KKR07</b>	<i>giraffa</i>	Khamab Kalahari Reserve, South Africa
<b>MGR01</b>	<i>giraffa</i>	Moremi Game Reserve, Botswana
<b>MGR02</b>	<i>giraffa</i>	Moremi Game Reserve, Botswana
<b>MGR03</b>	<i>giraffa</i>	Moremi Game Reserve, Botswana
<b>MGR04</b>	<i>giraffa</i>	Moremi Game Reserve, Botswana
<b>MGR05</b>	<i>giraffa</i>	Moremi Game Reserve, Botswana
<b>V25</b>	<i>giraffa</i>	Vumbura Concession, Botswana
<b>V27</b>	<i>giraffa</i>	Vumbura Concession, Botswana
<b>CKGR01</b>	<i>angolensis</i>	Central Kalahari Game Reserve, Botswana
<b>CKGR03</b>	<i>angolensis</i>	Central Kalahari Game Reserve, Botswana
<b>CKGR05</b>	<i>angolensis</i>	Central Kalahari Game Reserve, Botswana
<b>ENP04</b>	<i>angolensis</i>	Etosha National Park, Namibia
<b>ENP08</b>	<i>angolensis</i>	Etosha National Park, Namibia
<b>ENP11</b>	<i>angolensis</i>	Etosha National Park, Namibia
<b>ENP15</b>	<i>angolensis</i>	Etosha National Park, Namibia
<b>ENP17</b>	<i>angolensis</i>	Etosha National Park, Namibia