

Additional information required

A list of the museum catalogue no, specimen and study ID of the historic samples (1930 – 1940) is depicted in Table 1. Table 2 contains the information pertaining to the ancient samples.

DNA will be extracted according to an optimised protocol published by Rohland et al. 2018. All DNA extractions will take place in a dedicated ancient DNA clean lab at the University of Pretoria. After DNA extraction, the DNA will be couriered to Novogene (UK) Company Limited (Second Floor, 25 Cambridge Science Park, Milton Road, Cambridge, CB40FW, United Kingdom), where low coverage whole genome re-sequencing will be conducted

Table 1: List of historic samples

Species	Museum Catalogue no	Specimen	Study ID	Comments
<i>Connochaetes gnou</i>	NMBF90	Tooth powder & pieces	CGH001	Male Juv
<i>Connochaetes gnou</i>	NMBF80	Tooth pieces	CGH003	Female Adult
<i>Connochaetes gnou</i>	NMBF82	Tooth	CGH004	
<i>Connochaetes gnou</i>	NMBF84	Tooth powder	CGH002	Male Adult
<i>Connochaetes gnou</i>	NMBF96	Tooth	CGH005	Male Adult
<i>Connochaetes gnou</i>	NMBF81	Tooth	CGH006	Female Adult
<i>Connochaetes gnou</i>	NMBF92	Tooth	CGH007	Female Adult
<i>Connochaetes gnou</i>	NMBF93	Tooth	CGH008	Female Adult

Table 2: List of ancient samples

Species	Tooth/Bone	Site	age	Box ID	Packet/Sample ID	Study ID
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot418	HB2723	CGA001
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot406	HB1523	CGA002
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot398	HB2600	CGA003
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot406	HB2851	CGA004
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot418	HB2666	CGA005
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot398	HB1200	CGA006

Species	Tooth/Bone	Site	age	Box ID	Packet/Sample ID	Study ID
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot398	HB1041	CGA007
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Unknown	Unknown	CGA008
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Unknown	HB1218	CGA009
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot398	HB1129	CGA010
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Lot392	HB1288	CGA011
<i>Connochaetes gnou</i>	Bone powder	Heelbo	±3500	Unknown	Unknown	CGA012
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot414	Unknown	CGA013
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot414	HB2787	CGA014
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot414	HB2973	CGA015
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot390	HB1834	CGA016
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot390	HB2078	CGA017
<i>Connochaetes gnou</i>	Tooth pieces	Heelbo	±3500	Lot414	HB2976	CGA018
<i>Connochaetes gnou</i>	Tooth powder	Heelbo	±3500	Lot390	HB1661	CGA019
<i>Connochaetes gnou</i>	Tooth	Heelbo	±3500	Lot397	HB2770	CGA020