

Informe

Los Resultados de Análisis de las Muestras Exportadas de Ayacucho (Exportados bajo Resolución Nro. 074-2016-VMPCIC-MC)

Dirigido por

Dra. Tiffany A. Tung, Ph.D.

Profesora Asociada de Antropología

Universidad de Vanderbilt

Nashville, Tennessee EE. UU.

RNA: AT-0101

13 de agosto de 2018



Las muestras

Las muestras arqueológicas incluyen 178 muestras (restos óseos) del sitio arqueológico de Huari (sector Monqachayoq) para análisis de isótopos estables (carbón, nitrógeno, oxígeno, y estroncio) de colágeno en los huesos, apatito en los dientes, análisis genética y epigenética de ADN, y para obtener fechados (carbón 14). Las muestras fueron exportadas bajo **Resolución Nro. 074-2016-VMPCIC-MC en junio de 2016**.

Este proyecto es parte de una investigación de esqueletos humanos excavados en los años de 2013 – 2014 desde el sitio Huari en el sector Monqachayoq. El sitio Huari está ubicado en el distrito de Ayacucho, en la provincia de Huamanga, en el Departamento de Ayacucho (Lat. 13° 3'36.16"S y Long. 74°11'57.01"O). Estos óseos fueron excavado bajo la Resolución Directoral No. 090-2013-DGPA-VMPCIC/MC bajo la dirección de Lic. Martha Cabrera, de la Universidad de San Cristóbal de Huamanga.

El análisis bioarqueológico de dichos restos óseos investiga si existía diferenciación de dieta, salud, relaciones genéticas, patrones de metilación en la epigenética, y patrones de traumas de violencia entre los individuos enterados. Los análisis de isótopos estables (carbón, nitrógeno, oxígeno, y estroncio) nos ofrecen metodologías, técnicas que complementan los análisis bioarqueológicos para ampliar el conocimiento sobre aspectos de la violencia social (p.e., ¿los individuos con trauma son locales o extranjeros?), la dieta y el origen residencial. Además, el análisis de radiocarbono (carbón 14) puede aclarar la estimación del colapso del imperio Wari y la documentación de los cambios en la salud.

Lugar de Procedencia de las Muestras

Estas muestras provienen del sitio Huari (sector Monqachayoq), en el Distrito de Ayacucho, Provincia de Huamanga, Departamento de Ayacucho. (Lat. 13° 3'36.16"S y Long. 74°11'57.01"O).

Las muestras de **Huari-Monqachayoq** fueron excavados por Lic. Martha Cabrera en los años 2013 – 2014.

Muestras de Huari-Monqachayoq, excavado por Lic. Martha Cabrera: Los esqueletos no fueron enterrados en tumbas y por eso no hay número de tumba. En su lugar, se colocarán al azar y los huesos fueron mezclados en una fosa. Como los esqueletos que Francisco Solano excavó en los años 1997-1978, estos esqueletos fueron desarticulados (en base de huellas de corte en muchos de los óseos). No sabemos si los esqueletos humanos pertenecen a la época Wari (Horizonte Medio) o la época post-Wari (Intermedio Tardío). Por esta razón, necesitamos fechados por carbón 14.

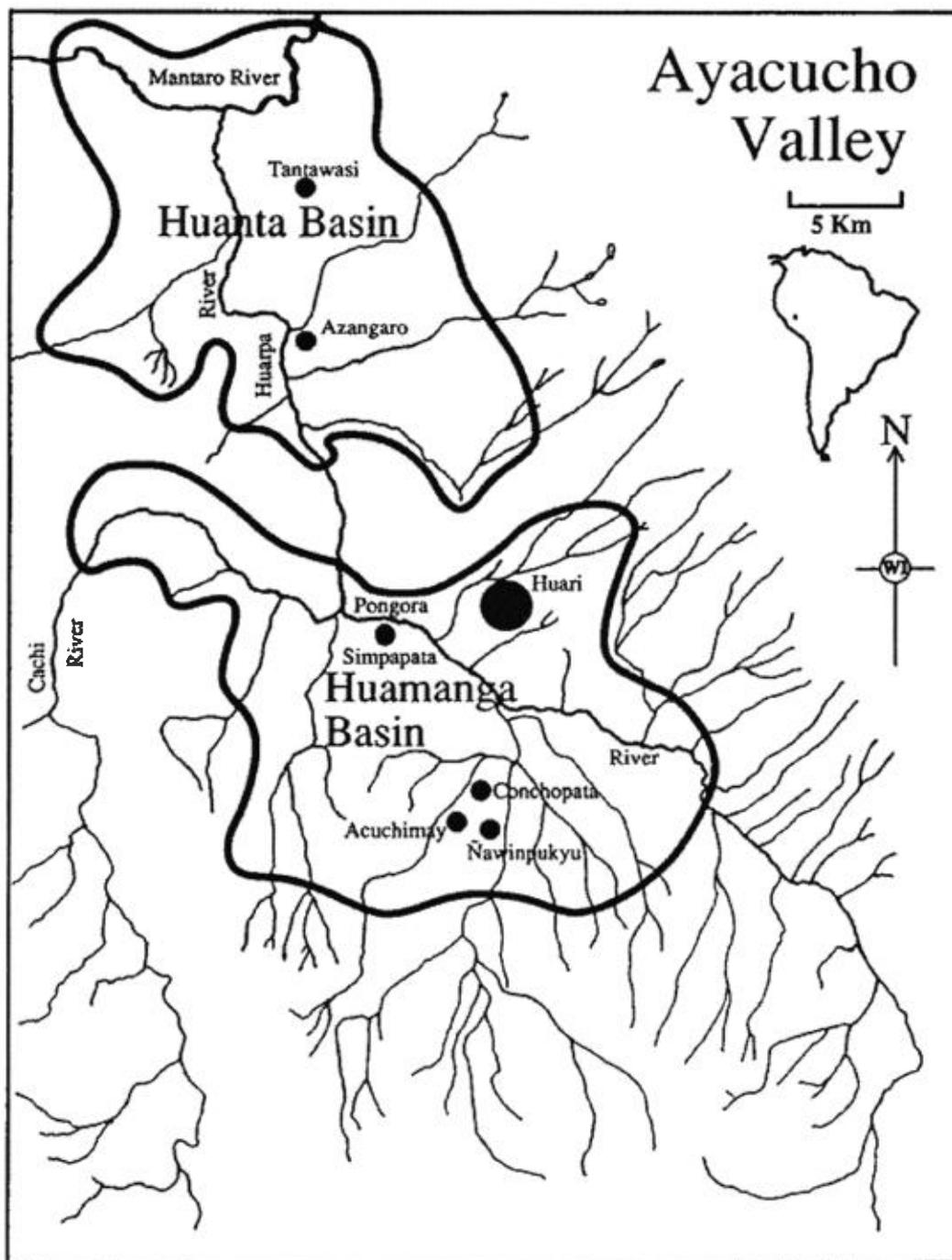


Figura 1. Mapa del Valle de Ayacucho con los sitios arqueológicos mencionados en el texto

Antes de análisis científico de las muestras

Las muestras fueron recogidas del Museo Nacional de Arqueología, Antropología e historia del Perú por Natasha Vang en julio de 2016 y llevado a la Universidad de Vanderbilt. Dra. Tung entregó las muestras a la Universidad de California a Santa Cruz para realizar análisis genética antigua en enero de 2017. Dra. Tung entregó las muestras a la Universidad de California a Irvine para realizar análisis de carbón 14.

Análisis científico de las muestras

Ha habido muchos estudios paleodiet en los Andes peruanos, investigación que nos está ayudando a entender la estilos de los andinos nativos antes del contacto Español (Finucane 2009; Finucane et al. 2006; Finucane 2007; Finucane 2008; Knudson et al. 2007; Knudson et al. 2017; Knudson et al. 2015; Knudson et al. 2004; Slovak and Paytan 2011; Tung and Knudson 2018; Turner and Armelagos 2012; Turner et al. 2010; Turner et al. 2013). La investigación realizada aquí sobre las muestras esqueléticas de Huari Monqachayoq es una contribución importante a ese cuerpo de trabajo más grande en la estilos prehispánica.

El análisis científico de las muestras consiste de un análisis de isótopos estables (para aprender sobre el paleodiet), un análisis de ADN antiguo y la datación por radiocarbono. A continuación, se enumeran el lugar y nombre de los laboratorios en que se realizó los análisis respectivos y se describe los métodos aplicados.

1. Análisis de Isotopos de Carbón y Nitrógeno en Dientes y Restos Óseos

La Dra. Tiffany Tung realiza la preparación química de las muestras óseos (huesos y dientes) en el "Bioarchaeology and Stable Isotope Research Lab" (dirigido por Dra. Tung,) ubicado en Nashville, Tennessee, EEUU. El laboratorio cuenta con las facilidades isotópicas y se ubica en Light Hall 518 en el Centro de Medicina en la Universidad de Vanderbilt. Las muestras se almacenan bajo llave en una oficina en el laboratorio de Light Hall 518.

Las herramientas y equipos necesarios para el proceso de muestras de colágeno (C, N) y apatito (C, O) pertenece al laboratorio de la Dra. Tung e incluyen una campana de humo, un vortex mixer, una centrifugadora, un "precisión shaking water bath", un "Drybath Type 17600", un liofilizador, y también agua "Ultrapure", unas pipetas, y una escala digital. También se encuentra todas las químicas necesarias: incluyendo el ácido clorhídrico, ácido nítrico, ácido acético, cloroformo, hidróxido de sodio, y metanol.



Figura 2. Colágeno de muestras de huesos



Figura 3. Muestras de esmalte dental

Tratamiento de Análisis Isotópicos de Colágeno de Hueso

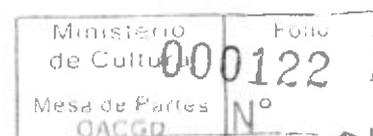
El protocolo sigue los métodos establecidos (Ambrose 1990; Deniro and Schoeniger 1983; Deniro et al. 1985). El tratamiento de las muestras óseas es el siguiente:

- Lavar las muestras en agua ultra-purificado a través de técnica de agitación continua durante media hora o más.
- Moler la muestra con un mortero hecho de ágata.
- Meter las muestras en viales de vidrio y añadir 5mL de ácido clorhídrico y agitar las muestras 5 segundos en mezcladora de vórtice.
- Introducir las muestras al ácido clorhídrico en la campana de humo durante 24 horas (o más, si las muestras se mantienen rígidas después de 24 horas).
- Retirar el ácido clorhídrico con un pipeta (en la campana de humo) y lavar con agua ultrapurificado en la centrifugadora. Repetir 5 veces.
- Para extraer húmicos, poner las muestras en una solución de hidróxido de sodio (NaOH) durante 30 minutos.
- Retirar el NaOH con una pipeta y lava con agua ultrapurificado en la centrifugadora. Repetir 5 veces.
- Para extraer los lípidos, poner las muestras en una solución de metanol, cloroformo, y agua ultrapurificado. Poner las muestras en la sonicador para 30 minutos (a la campana de humo).
- Retirar la solución y lava con agua ultrapurificado en la centrifugadora. Si hay lípidos en las muestras, repiten hasta el momento que no hay más lípidos.
- Cuando las muestras están limpias, retirar la solución de metanol y cloroformo y lava con agua ultrapurificado en la centrifugadora. Repetir 5 veces.
- Poner las muestras en 5 mL de ácido clorhídrico durante 30 minutos.
- Retire la solución y lava con agua ultrapurificado en la centrifugadora. Repetir 5 veces.
- Introducir .01 mL de ácido clorhídrico y poner las muestras en "baño seco" con la temperatura de 58C. Se mantiene en el "Dry bath" durante por lo menos 16 horas y no más que 18 horas.
- Después de 16 horas, se transfiere la solución en un frasco de ehrlenmeyer y retire la solución con bomba en la campana de humo.
- Introducir las muestras en el liofilizado para congelarlas (24 horas).
- Liofilizar las muestras hasta se desaparezca todo líquido.
- Con estos pasos, las muestras estarán listas para el análisis en el espectrómetro de masas en el "Stable Isotope Facility" de la Universidad de Wyoming. <http://www.uwyo.edu/sif/>

Tratamiento de Análisis Isotópicos de Apatito de Dientes

En el caso de esmalte dental para los análisis de los isotopos de oxígeno, carbón, y estroncio, el objetivo es básicamente lo opuesto al procedimiento de extracción de colágeno detallado previamente arriba. Es decir que en este caso, necesitamos quitar los componentes orgánicos y guardar los componentes minerales. El análisis de estroncio se realiza en un laboratorio limpio donde no hay contaminación y esa se realiza en los Departamentos de Antropología y de Ciencias de Tierra y Ambientales en la Universidad de Vanderbilt en Nashville, Tennessee. El proceso es más corto que el proceso para extraer colágeno, pero todo se realiza en la campana de humo también. El protocolo sigue los métodos establecidos (Koch et al. 1997; Schoeninger et al. 2003; Tykot et al. 1996). La metodología es lo siguiente:

- Extraer una línea horizontal del esmalte con taladro Dremel (aproximadamente 10 mg) de un diente y pone en el vial de plástico. Repetir 2 veces para obtener 2 líneas de esmalte diferentes.



- Añadir 1 mL de peróxido de hidrógeno (H₂O₂) en vial de plástico.
- Agitar con la mezcladora de vortice durante 10 segundos.
- Abrir las tapas y poner en secador.
- Agitar las muestras cada 8-12 horas para ayudar la reacción.
- Después de 48 horas (depende en el tamaño de la muestra), introducir las muestras a la centrifugadora durante 10 minutos.
- Retirar el H₂O₂ y añadir 1 mL de agua ultrapurificado.
- Introducir las muestras en la centrifugadora para 10 minutos y retirar el agua.
- Añadir 1 mL ácido acético y agitar 10 segundos
- Abrir las tapas y poner en el secador durante 18 horas.
- Poner las muestras en centrifugadora 10 minutos y retirar el ácido acético.
- Añadir 1 mL de agua ultrapurificado y poner en la centrifugadora 10 minutos y retirar el agua.
- Añadir 1 mL de metanol y agitar 30 segundos.
- Centrifugar 10 minutos para sacar el metanol, y meter a la secadora
- Cuando está seca, cerrar los viales de plástico y sellarlos con 'parafilm'.
- Las muestras están listas a mandar al "Stable Isotope Facility" de la Universidad de Florida y a Universidad de Wyoming.

2. Análisis de ADN antiguo

Se procesó un total de n = 24 de las 27 muestras en el laboratorio de Paleogenómica Humana en UC Santa Cruz, PI Dr. Lars Fehren-Schmitz. La técnica que procesó las muestras eran Ainash Childebayeva.

Tratamiento de Análisis de ADN antiguo

Todas las muestras se procesaron en un laboratorio limpio dedicado exclusivamente a muestras de ADN antiguo. Sólo se procesaron muestras de dientes.

Las muestras de dientes se limpiaron con lejía, se cortaron las raíces con una cuchilla de Dremel, seguido por la pulverización de la raíz en polvo para la futura extracción de ADN.

Cada lote de extracción de ADN incluyó un blanco de extracción (EB) para controlar la posible contaminación durante el proceso de extracción.

Después de la extracción del ADN, el mtDNA HVR-I región fue amplificado por PCR y Sanger secuenciado con el fin de asignar haplogrupos / haplotipos.

Realizamos PCR cuantitativa en las 24 muestras para determinar el sexo molecular utilizando el protocolo TriXY por Madel et al. (2016). El método se basa en el uso de una combinación de 3 cebadores que se disocian a diferentes temperaturas. El sexo molecular se asigna en función del número de cebadores (marcadores) que se amplifican.

Hemos construido antiguos ADN bibliotecas para n = 14 muestras. Basado en una secuenciación con escopeta de las bibliotecas de ADN, pudimos determinar % de ADN endógeno, que varió de 0.26% a 25.92%.



3. Análisis de Carbón 14

Las muestras están siendo analizadas en el "W. M. Keck Carbon Cycle Accelerator Mass Spectrometry Laboratory" en la Universidad de California en Irvine. <https://www.ess.uci.edu/researchgrp/ams/home>

Carbón 14

El carbón 14 es un isótopo radioactivo que empieza a descomponerse con la muerte de un ser vivo. El proceso se utiliza un espectrómetro acelerado de masas elementales para medir la proporción de ^{14}C todavía presente en una muestra orgánica, lo cual provee una indicación del tiempo que ha pasado desde la muerte de la muestra.

Las muestras fueron analizadas en el "W. M. Keck Carbon Cycle Accelerator Mass Spectrometry Laboratory" en la Universidad de California en Irvine. <https://www.ess.uci.edu/researchgrp/ams/home>

Después de recibir los resultados del laboratorio de la Universidad de California en Irvine fueron calibrados a partir de "la edad convencional" al "año calendario". Vamos a realizar la calibración con las fórmulas diseñadas para el hemisferio sur que la Universidad de Oxford proviene en la página del web (<https://c14.arch.ox.ac.uk/>).

Resultados de análisis científico

Las siguientes páginas del informe brindan un resumen de los resultados de los análisis científicos realizados hasta el momento en las muestras.

En algunos casos, el análisis no condujo a resultados de isótopos estables fiables, por lo que se excluyen del cálculo de la media, desviación estándar y rango. Sin embargo, los datos cuestionables todavía se presentan en el apéndice, y se describen como poco fiables para asegurar que no se utilizan en ninguna comparación estadística.

Consulte el Apéndice A para la presentación de los resultados de cada muestra individual.

Las siguientes dos figuras que representan los datos generales de los valores isotópicos (figuras 4 y 5). La figura 4 representa los valores de carbono y nitrógeno obtenidos a partir del colágeno de hueso. La figura 5 representa los valores de carbono y oxígeno obtenidos del apatito de dientes. Los datos isotópicos se resumen en las siguientes tablas (1-7).



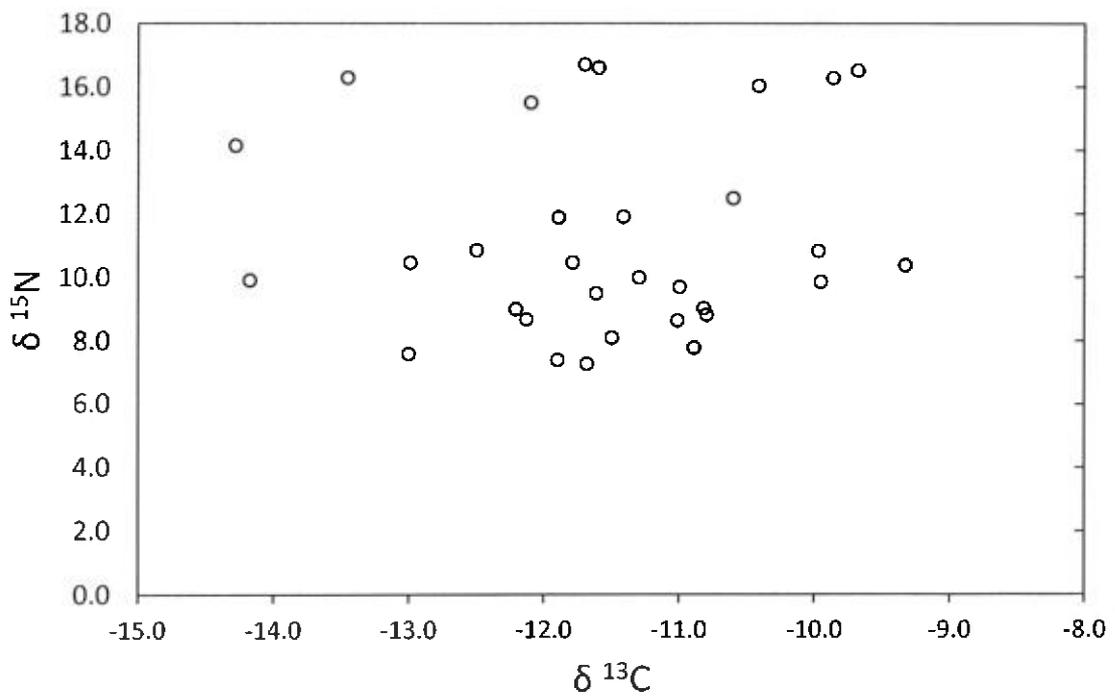


Figura 4. Carbono y nitrógeno isótopo valores de colágeno de hueso.

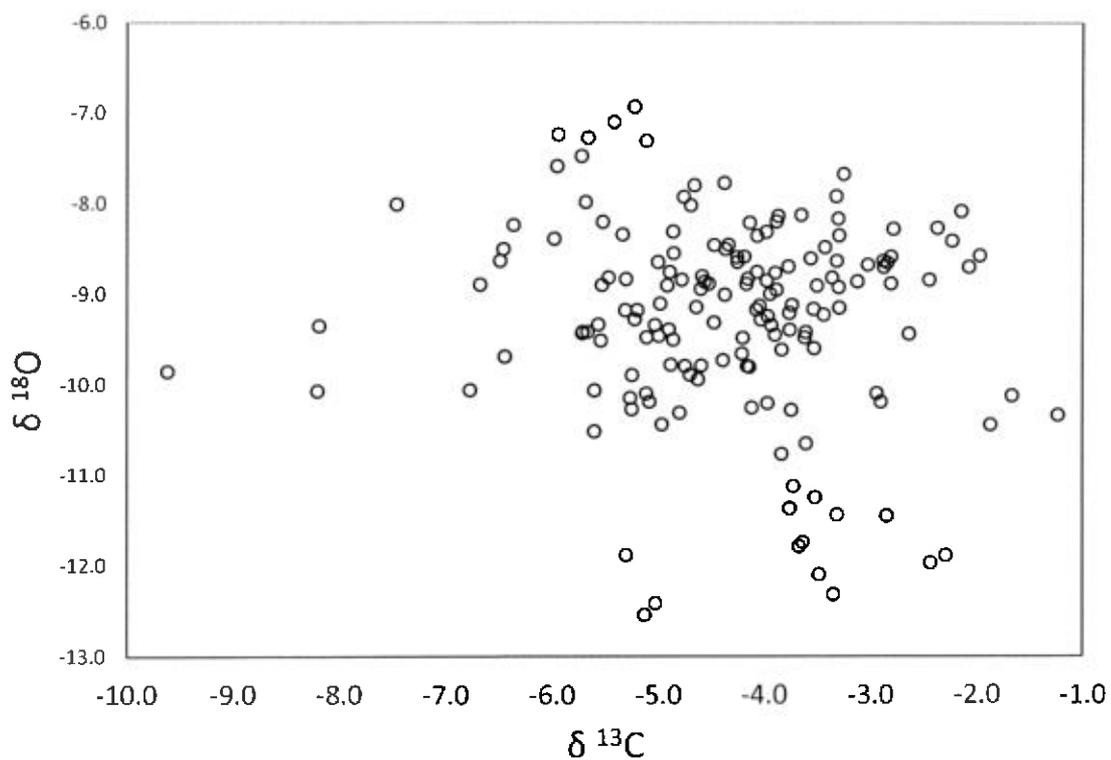


Figura 5. Carbono y oxígeno isótopo valores de apatito de dientes.

Resultados de análisis isotópicos de colágeno de hueso

Hubo 31 muestras analizadas para el colágeno del hueso. Seis de las muestras eran juveniles y el resto eran adultos.

| Tabla 1. Muestras del colágeno de hueso humano | | | | | | |
|--|------------------------------|-------------------------|------------------------------|------------------------------|-------------------------|------------------------------|
| | ¹⁵ N (‰) media | ¹⁵ N d.e. | ¹⁵ N (‰) rango | ¹³ C (‰) media | ¹³ C d.e. | ¹³ C (‰) rango |
| TODOS (n=31) | 11.3 | 3.2 | 7.3 to 16.9 | -11.5 | 1.2 | -14.2 a -9.3 |
| JUVENILES (n=6) | 10.8 | 3.4 | 7.7 to 15.8 | -11.9 | 1.5 | -14.3 a -10.0 |
| ADULTOS (n=25) | 11.4 | 3.2 | 7.3 to 16.9 | -11.4 | 1.2 | -14.2 a -9.3 |

Hubo 25 muestras analizadas para el colágeno de los adultos. Doce de las muestras eran masculino y trece eran femenino.

| | ¹⁵ N (‰) media | ¹⁵ N d.e. | ¹⁵ N (‰) rango | ¹³ C (‰) media | ¹³ C d.e. | ¹³ C (‰) rango |
|------------------|---------------------------------|-------------------------|------------------------------|------------------------------|-------------------------|------------------------------|
| MASCULINO (n=12) | 11.7 | 3.1 | 7.8 to 16.9 | -10.6 | 0.6 | -11.4 a -9.3 |
| FEMENINO (n=13) | 11.2 | 3.3 | 7.3 to 16.8 | -12.1 | 1.1 | -14.2 a -9.9 |

Resultados de análisis isotópicos de apatito de dientes

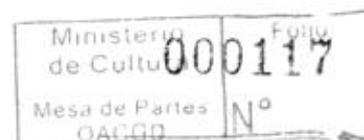
En algunos casos, el análisis no condujo a resultados de isótopos estables fiables, por lo que se excluyen del cálculo de la media, desviación estándar y rango. Sin embargo, los datos cuestionables todavía se presentan en el apéndice, y se describen como poco fiables para asegurar que no se utilizan en ninguna comparación estadística.

Cuando fue posible, se tomaron dos muestras de cada diente: una muestra cerca de la superficie oclusal, y la otra cerca de la unión de cemento-esmalte.

Maxilar

| | ¹³ C (‰) media | ¹³ C d.e. | ¹³ C (‰) rango | ¹⁸ O PDB (‰) media | ¹⁸ O PDB d.e. | ¹⁸ O PDB (‰) rango |
|------------|------------------------------|-------------------------|------------------------------|-------------------------------------|--------------------------------|----------------------------------|
| IEC (n=39) | -4.9 | 1.5 | -9.6 to -2.1 | -8.7 | 0.8 | -10.3 a -6.9 |
| MC (n=27) | -4.3 | 1.0 | -6.8 to -2.8 | -9.3 | 0.7 | -10.4 a -8.0 |
| T (n=11) | -3.7 | 1.1 | -5.5 to -2.0 | -9.0 | 0.5 | -9.8 a -8.3 |

IEC=Infancy to early childhood (infancia hasta la niñez temprano); MC=Middle childhood (niñez media); T=Teen (adolescencia)

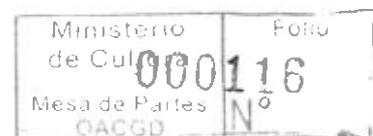


| Tabla 4. Maxilar: Muestras de esmalte dental humano separado por sexo | | | | | | |
|---|------------------------------|-------------------------|------------------------------|-------------------------------------|-----------------------------|----------------------------------|
| | ^{13}C (‰) media | ^{13}C d.e. | ^{13}C (‰) rango | ^{18}O PDB (‰) media | ^{18}O PDB d.e. | ^{18}O PDB (‰) rango |
| MASCULINO | | | | | | |
| IEC (n=13) | -4.9 | 1.5 | -8.2 to -2.1 | -8.8 | 0.9 | -10.3 a -6.9 |
| MC (n=12) | -4.0 | 0.8 | -5.3 to -2.8 | -9.2 | 0.4 | -9.7 a -8.7 |
| T (n=7) | -4.3 | 0.8 | -5.5 to -2.9 | -9.3 | 0.5 | -9.8 a -8.6 |
| FEMENINO | | | | | | |
| IEC (n=16) | -5.2 | 1.7 | -9.6 to -3.4 | -9.0 | 0.5 | -9.8 a -7.9 |
| MC (n=10) | -4.9 | 1.2 | -6.8 to -2.9 | -9.9 | 0.4 | -10.4 a -9.2 |
| INDETERMINADO | | | | | | |
| IEC (n=10) | -4.4 | 1.0 | -5.7 to -2.8 | -8.1 | 0.6 | -8.8 a -7.1 |
| MC (n=5) | -3.8 | 0.5 | -4.7 to -3.3 | -8.5 | 0.6 | -9.2 a -8.0 |
| T(n=6) | -3.0 | 0.9 | -4.2 to -2.0 | -8.7 | 0.2 | -9.0 a -8.3 |

IEC=Infancy to early childhood (infancia hasta la niñez temprano); MC=Middle childhood (niñez media); T=Teen (adolescencia)

| Tabla 5. Maxilar: Muestras de esmalte dental humano separado por grupo de edad | | | | | | |
|--|------------------------------|-------------------------|------------------------------|-------------------------------------|-----------------------------|----------------------------------|
| | ^{13}C (‰) media | ^{13}C d.e. | ^{13}C (‰) rango | ^{18}O PDB (‰) media | ^{18}O PDB d.e. | ^{18}O PDB (‰) rango |
| ADULTOS | | | | | | |
| IEC (n=29) | -5.1 | 1.6 | -9.6 to -2.1 | -8.9 | 0.7 | -10.3 a -6.9 |
| MC (n=22) | -4.4 | 1.1 | -6.8 to -2.8 | -9.5 | 0.5 | -10.4 a -8.7 |
| T (n=9) | -3.7 | 1.4 | -5.5 to -1.2 | -9.5 | 0.6 | -10.3 a -8.6 |
| JUVENILES | | | | | | |
| IEC (n=10) | -4.4 | 1.0 | -5.7 to -2.8 | -8.1 | 0.6 | -8.8 a -7.1 |
| MC (n=6) | -4.0 | 0.6 | -4.9 to -3.3 | -8.7 | 0.7 | -9.8 a -8.0 |
| T (n=6) | -3.0 | 0.9 | -4.2 to -2.0 | -8.7 | 0.2 | -9.0 a -8.3 |

IEC=Infancy to early childhood (infancia hasta la niñez temprano); MC=Middle childhood (niñez media); T=Teen (adolescencia)



Mandíbula

Tabla 6. Mandíbula: Muestras de esmalte dental humano

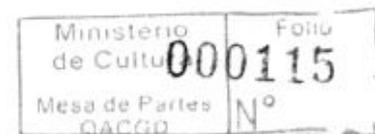
| | ¹³ C (‰) media | ¹³ C d.e. | ¹³ C (‰) rango | ¹⁸ O PDB (‰) media | ¹⁸ O PDB d.e. | ¹⁸ O PDB (‰) rango |
|------------|------------------------------|-------------------------|------------------------------|-------------------------------------|--------------------------------|----------------------------------|
| IEC (n=30) | -5.0 | 1.1 | -7.5 to -2.4 | -9.0 | 1.3 | -12.5 a -7.2 |
| MC (n=33) | -4.0 | 0.8 | -5.5 to -2.2 | -9.7 | 1.2 | -12.3 a -7.9 |
| T (n=12) | -3.2 | 1.0 | -5.6 to -1.9 | -10.5 | 1.2 | -12.0 a -7.7 |

IEC=Infancy to early childhood (infancia hasta la niñez temprano); MC=Middle childhood (niñez media); T=Teen (adolescencia)

Tabla 7. Mandíbula: Muestras de esmalte dental humano separado por grupo de edad

| | ¹³ C (‰) media | ¹³ C d.e. | ¹³ C (‰) rango | ¹⁸ O PDB (‰) media | ¹⁸ O PDB d.e. | ¹⁸ O PDB (‰) rango |
|------------------|------------------------------|-------------------------|------------------------------|-------------------------------------|-----------------------------|----------------------------------|
| ADULTOS | | | | | | |
| IEC (n=27) | -5.0 | 1.1 | -7.5 to -2.4 | -9.0 | 1.3 | -12.5 a -7.2 |
| MC (n=31) | -3.9 | 0.8 | -5.5 to -2.2 | -9.7 | 1.2 | -12.3 a -7.9 |
| T (n=10) | -3.3 | 1.0 | -5.6 to -1.9 | -10.3 | 1.2 | -12.0 a -7.7 |
| JUVENILES | | | | | | |
| IEC (n=3) | -5.2 | 0.3 | -5.6 to -4.9 | -9.4 | 0.5 | -9.9 a -8.9 |
| MC (n=2) | -4.3 | 1.0 | -5.0 to -3.6 | -9.5 | 0.1 | -9.5 a -9.4 |
| T(n=2) | -2.6 | 0.4 | -2.8 to -2.3 | -11.7 | 0.4 | -11.9 a -11.4 |

IEC=Infancy to early childhood (infancia hasta la niñez temprano); MC=Middle childhood (niñez media); T=Teen (adolescencia)



Resultados de análisis de ADN antiguo

Las siguientes muestras arrojaron datos fiables de mtDNA de HVR-1, permitiendo la asignación de haplogrupos / haplotipos (tabla 8).

Tabla 8. Haplogrupo/tipo datos para n = 22 muestras

| Muestra | Intervalo mtDNA | Haplogrupo |
|---------|-----------------|------------|
| CRAN01 | 16024-16400; | D4h3 |
| CRAN02 | 16024-16400; | C1 |
| CRAN09 | 16024-16400; | C1 |
| CRAN10 | 1-16569; | A |
| CRAN11 | 16024-16400; | C1 |
| CRAN12 | 16024-16400; | A2 |
| CRAN14 | 16024-16400; | B4 |
| CRAN19 | 16024-16400; | C1 |
| CRAN26 | 16024-16400; | C1 |
| CRAN32 | 16024-16400; | B2 |
| CRAN33 | 16024-16400; | A2 |
| CRAN35 | 16024-16400; | C1 |
| CRAN37 | 16024-16400; | C4a1b |
| CRAN38 | 16024-16400; | C4a1b |
| CRAN40 | 16024-16400; | A2 |
| CRAN42 | 16024-16400; | B2c2a |
| CRAN44 | 16024-16400; | B4 |
| CRAN45 | 16024-16400; | N5 |
| CRAN51 | 16024-16400; | D1f |
| CRAN52 | 16024-16400; | C1 |
| CRAN53 | 16024-16400; | A2 |
| CRAN54 | 16024-16400; | A2 |

El sexo molecular se asigna en función del número de cebadores (marcadores) que se amplifican.

Tabla 9. Sexo molecular siguiendo el protocolo TriXY.

| Muestra | Sexo | # marcadores | Comentarios |
|----------|-------------------|--------------|---|
| Cran1 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran2 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran9 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran10 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran11 | Posible masculino | 1/3 | Sólo un marcador para una repetición amplificada, un marcador Y |
| Cran12 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran13 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran14 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran19 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran26 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran29 | Posible masculino | - | |
| Cran32 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran33 | Masculino | 1/3; 3/3 | Uno amplió los 3 marcadores, el otro sólo 1 marcador |
| Cran35 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran37 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran38 | Posible masculino | 1/3 | Sólo un marcador para una repetición amplificada, un marcador Y |
| Cran40 | Posible masculino | 1/3 | Sólo se amplificó un marcador, un marcador Y para ambas réplicas |
| Cran42 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran44 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran45 | Posible masculino | 2/3; 1/3 | Uno amplificado 2 marcadores, el otro solo 1 marcador |
| Cran51 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran52 | Femenino | | Los dos réplicas amplificaron los marcadores solo para X |
| Cran53 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| Cran54 | Masculino | 3/3 | Los dos réplicas amplificaron los marcadores X como Y |
| EB 2/20 | | - | Sin amplificación. EB es extracto en blanco. No se espera amplificación |
| EB1 2/23 | - | - | Sin amplificación. EB es extracto en blanco. No se espera amplificación |
| EB2 2/23 | - | - | Sin amplificación. EB es extracto en blanco. No se espera amplificación |
| EB 3/5 | - | - | Sin amplificación. EB es extracto en blanco. No se espera amplificación |

Tabla 10. Una comparación de sexo basado en métodos de bioarqueología y ADN antiguo

| Código del Cráneo | Edad (años) | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M,F,?) con métodos bioarqueológicos | Sexo de ADN antiguo |
|-------------------|-------------|---|---|---------------------|
| 1 | 50+ | OA | M | Masculino |
| 2 | 18-25 | YA | F | Masculino |
| 9 | 13-16 | T | ? | Masculino |
| 10 | 27-40 | YA-MA | M? | Femenino |
| 11 | 27-35 | YA | M | Probable masculino |
| 12 | 35-50 | MA | M | Masculino |
| 13 | 20-50 | YA-MA | M? | Femenino |
| 14 | >40 | MA-OA | M | Masculino |
| 19 | 20-34 | YA | F | Femenino |
| 26 | 13-17 | T | ? | Masculino |
| 28 | 8-11 | C | ? | No hay datos |
| 29 | 15-18 | T | F | Probable masculino |
| 30 | 20-34 | YA | M | No hay datos |
| 32 | 20-34 | YA | F | Masculino |
| 33 | 20-30 | YA | M | Masculino |
| 35 | 30-40 | MA | F | Femenino |
| 37 | 35-50 | MA | F | Femenino |
| 38 | 35-50+ | MA-OA | M? | Probable masculino |
| 40 | 15-18 | T | ? | Probable masculino |
| 42 | 30-45 | YA-MA | F | Femenino |
| 44 | 26-50 | YA-MA | F | Femenino |
| 45 | 35-49 | MA | M | Probable masculino |
| 51 | 30-39 | YA-MA | M | Masculino |
| 52 | 13-17 | T | ? | Femenino |
| 53 | 5-8 | C | ? | Masculino |
| 54 | 25-40 | YA-MA | M? | Masculino |

Utilizando las secuencias de mtDNA HVR-I de poblaciones modernas y antiguas alrededor de Perú, hicimos diagramas de escala multidimensional (MDS) basados en el grado de diferenciación genética (F_{st}) entre las muestras (fig.6 y fig.7).

Con base en la dimensión MDS 1, pudimos ver que las muestras de Huari_Monqachayoc_LIP (Cabrera) se agruparon junto con muestras Huari_LIP (Kemp) (ambas de color azul claro) (figura 6). La muestra de Conchopata_MH (Kemp) se agrupó por separado de ambas muestras LIP, cerca de la muestra Tiwanaku_Bolivia_MH (ambas moradas). En la dimensión 2, las 4 muestras se agruparon (figura 6).

Un patrón similar para la dimensión 1 con muestras LIP agrupación por separado de Conchapata_MH se puede ver en la figura 2 con las muestras antiguas. Sin embargo, en la dimensión 2 todas las muestras de Huari se agrupan por separado (figura 7)

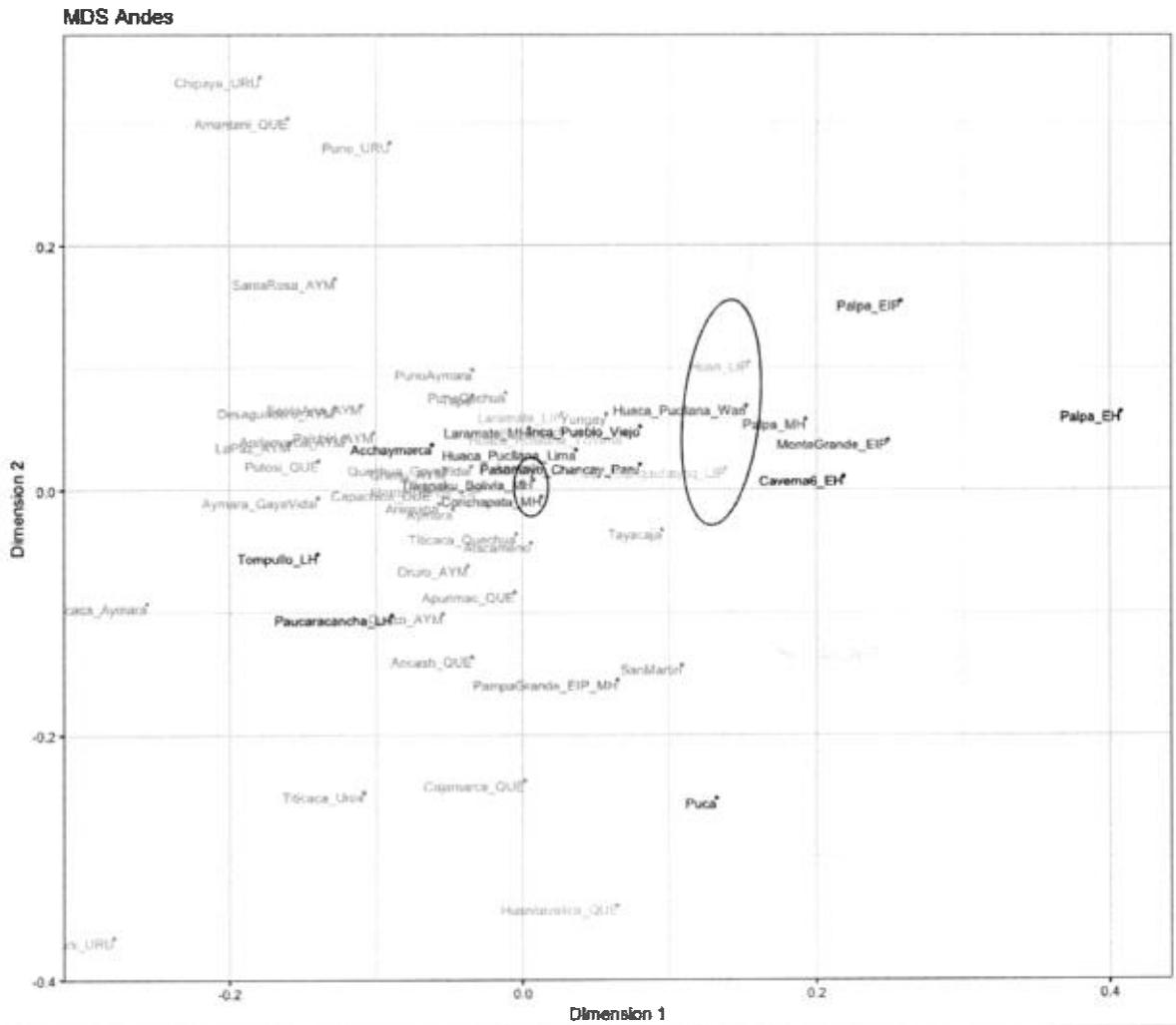


Figura 6. Multidimensional escala de trazado con la moderna y antigua HVR-1 mtDNA secuencia de datos. Poblaciones modernas = gris; LIP = azul claro, MH = púrpura, LH = azul, EIP = rojo, EH = negro.

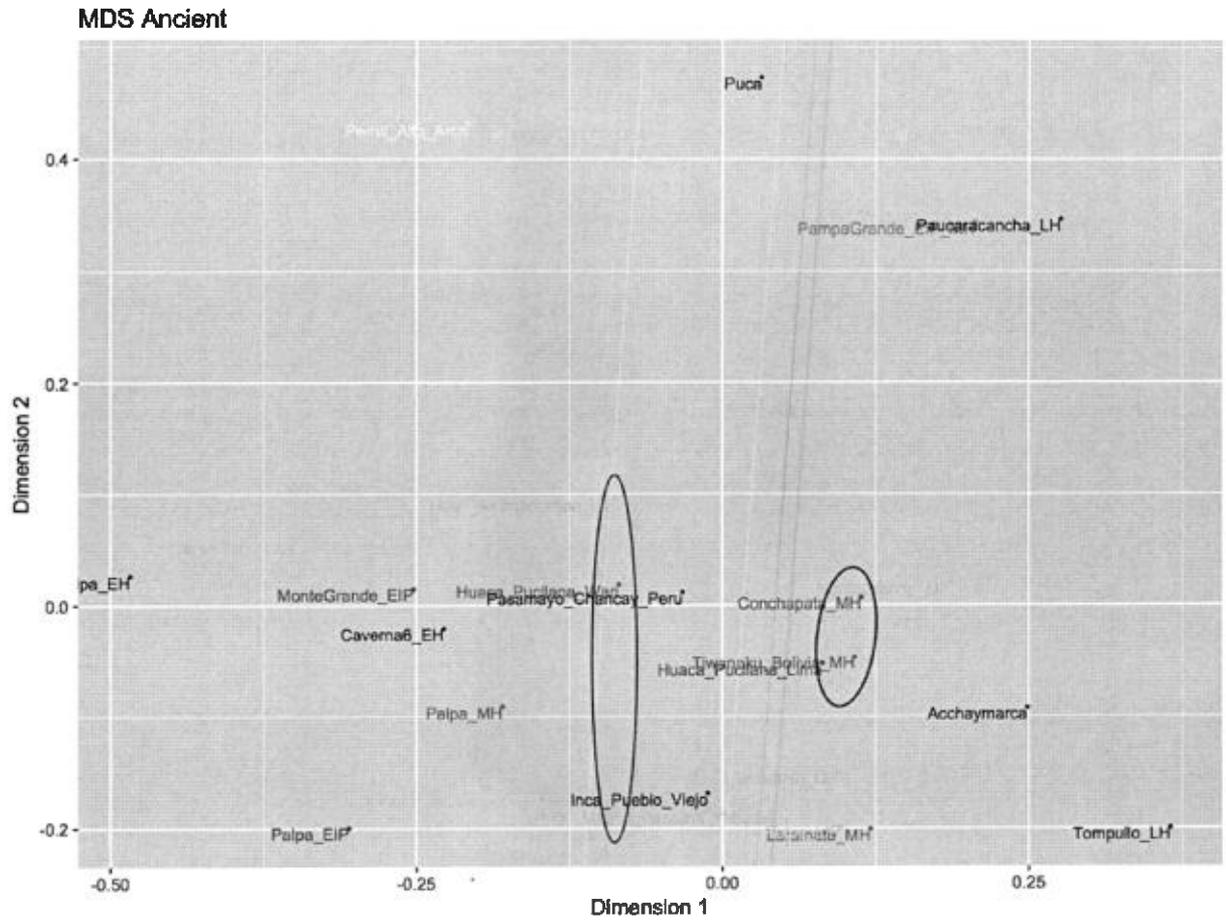


Figura 7. Multidimensional escala de trazado con la antigua HVR-1 mtDNA secuencia de datos. LIP = azul claro, MH = púrpura, LH = azul, EIP = rojo, EH = negro.

Hemos construido antiguas ADN bibliotecas para n = 14 muestras. Basado en una secuenciación con escopeta de las bibliotecas de ADN, pudimos determinar % de ADN endógeno, que varió de 0.26% a 25.92%.

Tabla 11. Por ciento de ADN endógeno

| Muestra | Total reads | M reads used | M reads mapped | q20 %endogeno |
|-------------|-------------|--------------|----------------|---------------|
| L623-Cran01 | 95464 | 82188 | 5320 | 6.47 |
| L624-Cran02 | 86499 | 72028 | 3112 | 4.32 |
| L625-Cran10 | 108721 | 98943 | 25648 | 25.92 |
| L626-Cran12 | 97466 | 83178 | 3614 | 4.34 |
| L627-Cran19 | 83520 | 71212 | 2261 | 3.17 |
| L628-Cran26 | 135983 | 116073 | 9790 | 8.43 |
| L629-Cran32 | 95470 | 82043 | 8254 | 10.06 |
| L630-Cran38 | 104390 | 86311 | 361 | 0.41 |
| L631-Cran40 | 84818 | 73062 | 197 | 0.26 |
| L632-Cran42 | 104788 | 92127 | 2076 | 2.25 |
| L633-Cran44 | 94336 | 84597 | 4062 | 4.8 |
| L634-Cran51 | 89958 | 79472 | 893 | 1.12 |
| L635-Cran53 | 89871 | 77331 | 1770 | 2.28 |
| L636-Cran54 | 81291 | 73190 | 1587 | 2.16 |



Resultados de análisis de carbón 14

Hubo 13 muestras para la datación por radiocarbono (AMS). Los resultados están en la tabla siguiente. Las fechas fueron calibrada por Oxcal 4.3. Una representación visual de las fechas es inferior (figura 8).

Tabla 12. Resultados de la datación por radiocarbono (AMS)

| Código del Cráneo | Edad (años) | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M,F,?) | ¹⁴ C age | ± | Fecha de calibrado (2 sigma) |
|-------------------|-------------|---|--------------|---------------------|----|------------------------------|
| 12 | 35-50 | MA | M | 610 | 20 | 1298-1400 AD |
| 17 | 50+ | OA | F | 425 | 15 | 1436-1472 AD |
| 26 | 13-17 | T | ? | 620 | 15 | 1295-1396 AD |
| 28 | 8-11 | C | ? | 525 | 15 | 1401-1434 AD |
| 30 | 20-34 | YA | M | 555 | 15 | 1321-1421 AD |
| 32 | 20-34 | YA | F | 520 | 15 | 1404-1435 AD |
| 38 | 35-50+ | MA-OA | M? | 640 | 15 | 1290-1390 AD |
| 40 | 15-18 | T | ? | 510 | 15 | 1409-1436 AD |
| 42 | 30-45 | YA-MA | F | 485 | 15 | 1417-1444 AD |
| 43 | 50+ | OA | M | 535 | 20 | 1326-1434 AD |
| 44 | 26-50 | YA-MA | F | 570 | 20 | 1313-1416 AD |
| 51 | 30-39 | YA-MA | M | 340 | 15 | 1477-1635 AD |
| 53 | 5-8 | C | ? | 615 | 15 | 1297-1398 AD |



Huari Monqachayoq Cabrera

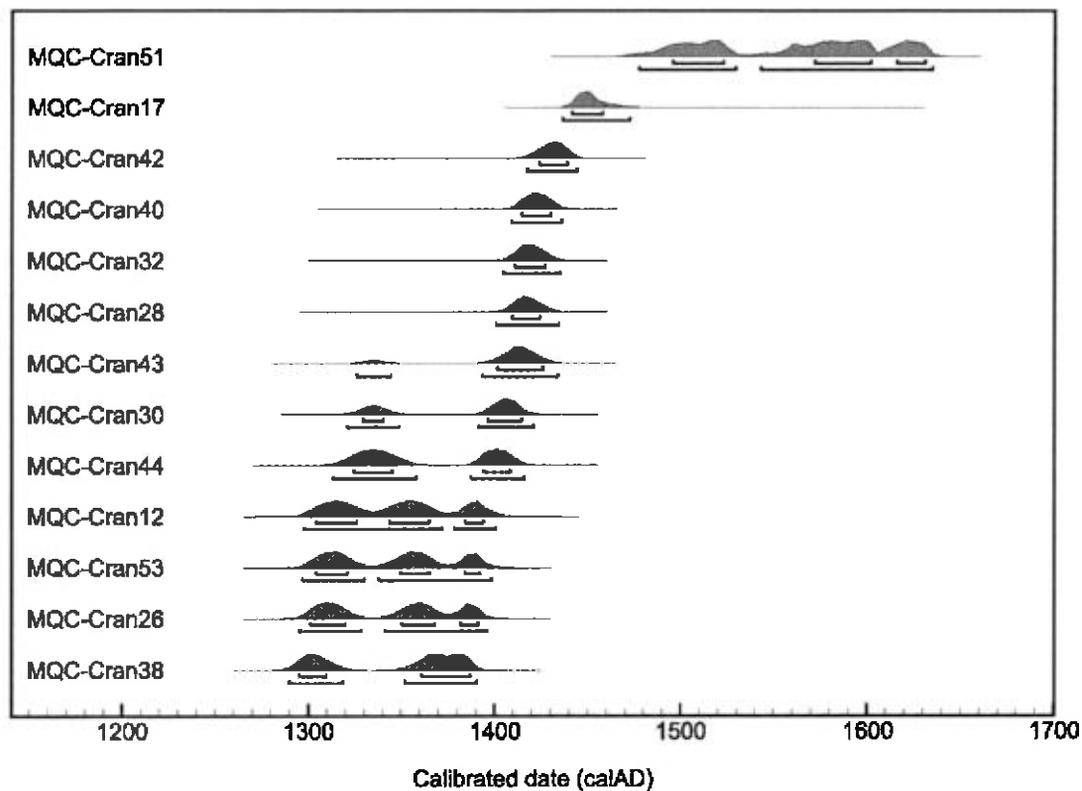


Figura 8. Fechas calibradas

Bibliografía

- Ambrose SH. 1990. Preparation and characterization of bone and tooth collagen for isotopic analysis. *Journal of Archaeological Science* 17(4):431-451.
- Deniro MJ, and Schoeninger MJ. 1983. Stable carbon and nitrogen isotope ratios of bone collagen: Variations within individuals, between sexes, and within populations raised on monotonous diets. *Journal of Archaeological Science* 10(3):199-203.
- Deniro MJ, Schoeninger MJ, and Hastorf CA. 1985. Effect of heating on the stable carbon and nitrogen isotope ratios of bone collagen. *Journal of Archaeological Science* 12(1):1-7.
- Finucane B. 2009. Maize and sociopolitical complexity in the Ayacucho Valley, Peru. *Current Anthropology* 50(4):535-545.
- Finucane B, Agurto PM, and Isbell WH. 2006. Human and animal diet at Conchopata, Peru: stable isotope evidence for maize agriculture and animal management practices during the Middle Horizon. *Journal of Archaeological Science* 33(12):1766-1776.
- Finucane BC. 2007. Mummies, maize, and manure: multi-tissue stable isotope analysis of late prehistoric human remains from the Ayacucho Valley, Perú. *Journal of Archaeological Science* 34(12):2115-2124.
- Finucane BC. 2008. Trophy heads from Nawin pukio, Perú: Physical and chemical analysis of Huarpa-era modified human remains. *American Journal of Physical Anthropology* 135(1):75-84.
- Knudson KJ, Aufderheide AE, and Buikstra JE. 2007. Seasonality and paleodiet in the Chiribaya polity of southern Peru. *Journal of Archaeological Science* 34(3):451-462.
- Knudson KJ, Giersz M, Więckowski W, and Tomczyk W. 2017. Reconstructing the lives of Wari elites: Paleomobility and paleodiet at the archaeological site of Castillo de Huarmey, Peru. *Journal of Archaeological Science: Reports* 13:249-264.
- Knudson KJ, Peters AH, and Cagigao ET. 2015. Paleodiet in the Paracas Necropolis of Wari Kayan: carbon and nitrogen isotope analysis of keratin samples from the south coast of Peru. *Journal of Archaeological Science* 55:231-243.
- Knudson KJ, Price TD, Buikstra JE, and Blom DE. 2004. Migration in the Middle Horizon: bone chemistry and the nature of the Tiwanaku polity in the south central Andes. Paper presented at the 69th Annual Meeting of the Society for American Archaeology, March 31-April 4, Montreal, Canada.
- Koch PL, Tuross N, and Fogel ML. 1997. The Effects of Sample Treatment and Diagenesis on the Isotopic Integrity of Carbonate in Biogenic Hydroxylapatite. *Journal of Archaeological Science* 24(5):417-429.
- Madel M-B, Niederstätter H, and Parson W. 2016. TriXY—Homogeneous genetic sexing of highly degraded forensic samples including hair shafts. *Forensic Science International: Genetics* 25:166-174.
- Schoeninger MJ, Hallin K, Reeser H, Valley JW, and Fournelle J. 2003. Isotopic Alteration of Mammalian Tooth Enamel. *International Journal of Osteoarchaeology* 13:11-19.
- Slovak NM, and Paytan A. 2011. Fisherfolk and farmers: Carbon and nitrogen isotope evidence from Middle Horizon Ancón, Peru. *International Journal of Osteoarchaeology* 21(3):253-267.



- Tung TA, and Knudson KJ. 2018. Stable isotope analysis of a pre-Hispanic Andean community: Reconstructing pre-Wari and Wari era diets in the hinterland of the Wari empire, Peru. *American Journal of Physical Anthropology* 165(1):149-172.
- Turner BL, and Armelagos GJ. 2012. Diet, residential origin, and pathology at Machu Picchu, Peru. *American Journal of Physical Anthropology* 149(1):71-83.
- Turner BL, Kingston JD, and Armelagos G. 2010. Variation in dietary histories among the immigrants of Machu Picchu: Carbon and nitrogen isotope evidence. *Chungara: Revista de Antropología Chilena* 42(2):515-534.
- Turner BL, Klaus HD, Livengood SV, Brown LE, Saldaña F, and Wester C. 2013. The variable roads to sacrifice: Isotopic investigations of human remains from Chotuna-Huaca de los Sacrificios, Lambayeque, Peru. *American Journal of Physical Anthropology* 151(1):22-37.
- Tykot R, van der Merwe N, and Hammond H. 1996. Stable isotope analysis of bone collagen, bone apatite, and tooth enamel in the reconstruction of human diet: A case study from Cuello, Belize. In: Orna M, editor. *Archaeological Chemistry: Organic, Inorganic and Biochemical Analysis*. 625 ed. Washington, DC: American Chemical Society. p 355-365.



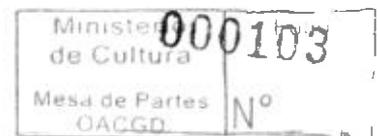
| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de collection | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|-------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 1 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 1 | N/A | 50+ |
| 2 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 1 | N/A | 50+ |
| 3 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 2 | N/A | 18-25 |
| 4 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 2 | N/A | 18-25 |
| 5 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 3 | N/A | <50 |
| 6 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 4 | N/A | 27-35 |
| 7 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 9 | N/A | 13-16 |
| 8 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 9 | N/A | 13-16 |
| 9 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 9 | N/A | 13-16 |
| 10 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 9 | N/A | 13-16 |
| 11 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 10 | N/A | 27-40 |
| 12 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 10 | N/A | 27-40 |
| 13 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 11 | N/A | 27-35 |
| 14 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 11 | N/A | 27-35 |

Ministerio de Cultura
 Folio 000104
 Mesa de Partes
 DACGD N°

| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% aire) |
|-----------------------|---|----------------|--------------------------------|------|------|---|------------------------------|---------------------------|-----------------------|----------------------------|
| 1 | OA | M | Molar2 | Izq. | 10mg | Es molar 1 | 1600 CEJ, 1601 OCC | Wyoming | N/A | N/A |
| 2 | OA | M | huesos vómer, concha nasal | N/A | 10mg | | 1533 | Yale | 17-14725 | 10.8 |
| 3 | YA | F | Molar1 | Izq. | 10mg | | 1602 CEJ, 1603 OCC | Wyoming | N/A | N/A |
| 4 | YA | F | huesos vómer, concha nasal | N/A | 10mg | | 1263A, 1263B | Wyoming y Yale | 20160167.006 | 16.0 |
| 5 | OA | F | fragmentos de hueso esfenoides | N/A | 10mg | | 1534 | Yale | 17-14734 | 10.9 |
| 6 | YA | F? | fragmentos de hueso esfenoides | N/A | 10mg | | 1535 | Yale | 17-14733 | 7.3 |
| 7 | T | ? | Molar1 | Izq. | 10mg | | 1474 CEJ, 1475 OCC | Wyoming | N/A | N/A |
| 8 | T | ? | Molar2 | Der. | 10mg | | 1604 CEJ, 1605 OCC | Wyoming | N/A | N/A |
| 9 | T | ? | Molar3 | Izq. | 10mg | | 1476 CEJ, 1477 OCC | Wyoming | N/A | N/A |
| 10 | T | ? | huesos vómer, concha nasal | N/A | 10mg | | 1536 | Yale | 17-14732 | 9.9 |
| 11 | YA-MA | M? | Molar3 | Der. | 10mg | | 1606 CEJ, 1607 OCC | Wyoming | N/A | N/A |
| 12 | YA-MA | M? | huesos vómer, concha nasal | N/A | 10mg | | 1537 | Yale | 17-14731 | 9.0 |
| 13 | YA | M | Molar1 | Izq. | 10mg | | 1478 CEJ, 1479 OCC, 2673 OCC | Wyoming y Yale | N/A | N/A |
| 14 | YA | M | Molar2 | Izq. | 10mg | | 1610 CEJ, 1611 OCC | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2 | -10.0 | 14.6 | 39.4 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4 | -10.4 | 15.8 | 43.2 | n.d. | 2.7 | 17-06108 | 16.2 | -10.4 | 14.9 | 41.1 |
| 5 | -12.5 | 14.5 | 39.6 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 6 | -11.7 | 12.4 | 33.9 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10 | -10.0 | 15.8 | 43.0 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12 | -12.2 | 15.4 | 41.8 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 13 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEI=unión cemento-esmalte



| Código de exportación | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-----------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

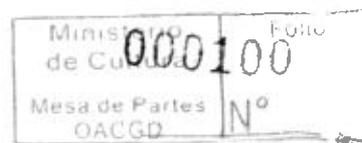
BUJAK=rota la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 1 | OCC | 20170093.071 | -3.1 | -8.9 | | CEJ |
| 2 | N/A | N/A | N/A | N/A | | N/A |
| 3 | OCC | 20170093.073 | -5.7 | -9.4 | | CEJ |
| 4 | N/A | N/A | N/A | N/A | | N/A |
| 5 | N/A | N/A | N/A | N/A | | N/A |
| 6 | N/A | N/A | N/A | N/A | | N/A |
| 7 | OCC | 20160189.038 | -5.3 | -8.3 | | CEJ |
| 8 | OCC | 20170093.075 | -3.7 | -8.1 | | CEJ |
| 9 | OCC | 20170093.004 | -2.8 | -8.3 | | CEJ |
| 10 | N/A | N/A | N/A | N/A | | N/A |
| 11 | OCC | 20170093.077 | -4.4 | -9.0 | | CEJ |
| 12 | N/A | N/A | N/A | N/A | | N/A |
| 13 | OCC | 20170093.005 | -4.1 | -9.2 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 14 | OCC | 20170093.079 | -3.8 | -9.4 | | CEJ |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Código de laboratorio | $\delta^{13}C_{org}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-----------------------|-----------------------|----------------------|-------------------------|--|--------------------------------------|-----------------------|
| 1 | 20170093.070 | -1.9 | -8.8 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 2 | N/A | N/A | N/A | | N/A | N/A |
| 3 | 20170093.072 | -4.1 | -9.2 | | N/A | N/A |
| 4 | N/A | N/A | N/A | | N/A | N/A |
| 5 | N/A | N/A | N/A | | N/A | N/A |
| 6 | N/A | N/A | N/A | | N/A | N/A |
| 7 | 20170093.003 | -3.9 | -8.8 | | N/A | N/A |
| 8 | 20170093.074 | -2.4 | -6.3 | Criterios de QAQC tolerancia exterior. Úsalo con precaución. | N/A | N/A |
| 9 | 20160189.039 | -2.1 | -8.7 | | N/A | N/A |
| 10 | N/A | N/A | N/A | | N/A | N/A |
| 11 | 20170093.076 | -2.9 | -8.6 | | N/A | N/A |
| 12 | N/A | N/A | N/A | | N/A | N/A |
| 13 | 20160189.040 | -4.1 | -10.3 | | OCC | Yale 18-240 |
| 14 | 20170093.078 | -2.9 | -8.7 | | N/A | N/A |



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | $^{14}C_{age}$ | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|----------------|-------|
| 1 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13 | -5.32 | -9.17 | N/A | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
 000098
 Mesa de Partes
 GACGP
 No

| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|---------------|---------------------|------------|-------------------|
| 1 | N/A | N/A | UC SANTA CRUZ | Masculino | D4h3 | 6.47 |
| 2 | N/A | N/A | N/A | N/A | N/A | N/A |
| 3 | N/A | N/A | UC SANTA CRUZ | Masculino | CI | 4.32 |
| 4 | N/A | N/A | N/A | N/A | N/A | N/A |
| 5 | N/A | N/A | N/A | N/A | N/A | N/A |
| 6 | N/A | N/A | N/A | N/A | N/A | N/A |
| 7 | N/A | N/A | N/A | N/A | N/A | N/A |
| 8 | N/A | N/A | UC SANTA CRUZ | Masculino | CI | n.d. |
| 9 | N/A | N/A | N/A | N/A | N/A | N/A |
| 10 | N/A | N/A | N/A | N/A | N/A | N/A |
| 11 | N/A | N/A | UC SANTA CRUZ | Femenino | A | 25.92 |
| 12 | N/A | N/A | N/A | N/A | N/A | N/A |
| 13 | N/A | N/A | N/A | N/A | N/A | N/A |
| 14 | N/A | N/A | UC SANTA CRUZ | Probable masculino | CI | n.d. |



N/A = no se aplican
n.d. = no hay datos

BULK= toda la superficie. OCC=oclusal
CEP=unión cemento-estante

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 15 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 11 | N/A | 27-35 |
| 16 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 12 | N/A | 35-50 |
| 17 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 12 | N/A | 35-50 |
| 18 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 12 | N/A | 35-50 |
| 19 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 13 | N/A | 20-50 |
| 20 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 13 | N/A | 20-50 |
| 21 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 13 | N/A | 20-50 |
| 22 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 14 | N/A | >40 |
| 23 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 14 | N/A | >40 |
| 24 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 14 | N/A | >40 |
| 25 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 14 | N/A | >40 |
| 26 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 17 | N/A | 50+ |
| 27 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 19 | N/A | 20-34 |
| 28 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | 19 | N/A | 20-34 |

N/A = no se aplica
n.d. = no hay datos

BU/LK=toda la superficie, OCC=oclusal
CEI=unión cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (%o atre) |
|-----------------------|---|----------------|--|------|------|---|-------------------------------|---------------------------|-----------------------|-----------------------------|
| 15 | YA | M | huesos vómer, concha nasal | N/A | 10mg | | 1538 | Yale | 17-14727 | 9.0 |
| 16 | MA | M | Molar1 | Izq. | 10mg | | 1273 CEJ, 1274 OCC, 2674 BULK | Wyoming y Yale | N/A | N/A |
| 17 | MA | M | Molar2 | Izq. | 10mg | | 1612 BULK | Wyoming | N/A | N/A |
| 18 | MA | M | huesos vómer, concha nasal | N/A | 10mg | | 1539 | Yale y UC IRvine | 17-14726 | 12.2 |
| 19 | YA-MA | M? | Molar1 | Der. | 10mg | | 1613 CEJ, 1614 OCC | Wyoming | N/A | N/A |
| 20 | YA-MA | M? | Molar2 | Der. | 10mg | | 1480 CEJ, 1481 OCC | Wyoming | N/A | N/A |
| 21 | YA-MA | M? | huesos vómer | N/A | 10mg | | 1540 | Yale | 17-14728 | 10.5 |
| 22 | MA-OA | M | Molar1 | Izq. | 10mg | | 1482 CEJ, 1483 OCC | Wyoming | N/A | N/A |
| 23 | MA-OA | M | Molar2 | Izq. | 10mg | | 1618 OCC, 1619 CEJ | Wyoming | N/A | N/A |
| 24 | MA-OA | M | Molar3 | Der. | 10mg | | 1484 CEJ, 1485 OCC | Wyoming | N/A | N/A |
| 25 | MA-OA | M | huesos vómer, concha nasal, esfenoides | N/A | 10mg | | 1541 | Yale | 17-14729 | 8.8 |
| 26 | OA | F | huesos vómer, concha nasal | N/A | 10mg | | 1542 | Yale y UC IRvine | 17-14730 | 16.7 |
| 27 | YA | F | Molar1 | Der. | 10mg | | 1493 OCC, 1494 CEJ, 2675 CEJ | Wyoming y Yale | N/A | N/A |
| 28 | YA | F | Molar2 | Der. | 10mg | | 1620 OCC, 1621 CEJ | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK= toda la superficie. OCC=oclusal
CEJ= unión cemento-estructal



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 15 | -10.8 | 14.9 | 40.6 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 16 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18 | -10.5 | 15.1 | 41.4 | n.d. | 2.7 | 183480 | 12.7 | -10.7 | 15.3 | 43.3 |
| 19 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21 | -11.8 | 15.1 | 41.0 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25 | -10.8 | 14.4 | 39.2 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 26 | -13.5 | 14.3 | 38.9 | n.d. | 2.7 | 183481 | 15.8 | -13.5 | 15.5 | 43.3 |
| 27 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 28 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

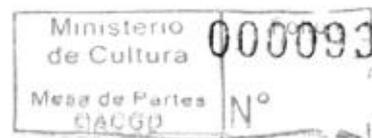
BULK=toda la superficie. OCC=exclusi
CE=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 15 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18 | 3.29 | 2.82 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26 | 3.26 | 2.79 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 27 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 28 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

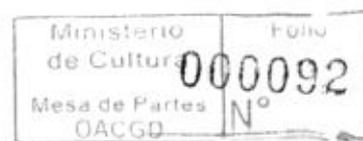
BULK = toda la superficie. OCC = oclusal
CEJ = unión cemento-esmalte



| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 15 | N/A | N/A | N/A | N/A | | N/A |
| 16 | OCC | 20170093.002 | -5.4 | -7.8 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 17 | BULK | 20170093.080 | -3.0 | -7.6 | Amplitud por debajo del umbral para datos fiables | N/A |
| 18 | N/A | N/A | N/A | N/A | | N/A |
| 19 | OCC | 20170093.082 | -4.7 | -9.1 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 20 | OCC | 20170093.007 | -5.3 | -8.8 | | CEJ |
| 21 | N/A | N/A | N/A | N/A | | N/A |
| 22 | OCC | 20170093.009 | -8.2 | -10.1 | | CEJ |
| 23 | OCC | 20170093.085 | -4.9 | -9.5 | | CEJ |
| 24 | OCC | 20160189.041 | -5.5 | -9.5 | | CEJ |
| 25 | N/A | N/A | N/A | N/A | | N/A |
| 26 | N/A | N/A | N/A | N/A | | N/A |
| 27 | OCC | 20160189.042 | -4.9 | -9.4 | | CEJ |
| 28 | OCC | 20170093.087 | -4.6 | -9.8 | | CEJ |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=esmalte
CEJ=unión cemento-esmalte



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{app}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|----------------------|-------------------------|---|--------------------------------------|-----------------------|
| 15 | N/A | N/A | N/A | | N/A | N/A |
| 16 | 20170093.001 | -4.5 | -6.7 | Amplitud por debajo del umbral para datos fiables | BULK | Yale 18-240 |
| 17 | N/A | N/A | N/A | | N/A | N/A |
| 18 | N/A | N/A | N/A | | N/A | N/A |
| 19 | 20170093.081 | -5.2 | -9.2 | | N/A | N/A |
| 20 | 20170093.006 | -4.7 | -9.3 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 21 | N/A | N/A | N/A | | N/A | N/A |
| 22 | 20170093.008 | No hay datos | No hay datos | No se detectó ninguna muestra | N/A | N/A |
| 23 | 20170093.086 | -3.5 | -8.9 | | N/A | N/A |
| 24 | 20170093.010 | -4.3 | -8.6 | | N/A | N/A |
| 25 | N/A | N/A | N/A | | N/A | N/A |
| 26 | N/A | N/A | N/A | | N/A | N/A |
| 27 | 20170093.011 | -4.0 | -8.9 | Amplitud por debajo del umbral para datos fiables | CEJ | Yale 18-240 |
| 28 | 20170093.088 | -5.0 | -10.4 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | $^{14}C_{agc}$ | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|----------------|-------|
| 15 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16 | -5.23 | -6.93 | N/A | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18 | N/A | N/A | N/A | N/A | N/A | N/A | 610 | 20 |
| 19 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 25 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 26 | N/A | N/A | N/A | N/A | N/A | N/A | 425 | 15 |
| 27 | -4.57 | -8.86 | N/A | N/A | N/A | N/A | N/A | N/A |
| 28 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie; OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|---------------------|---------------|---------------------|------------|-------------------|
| 15 | N/A | N/A | N/A | N/A | N/A | N/A |
| 16 | N/A | N/A | N/A | N/A | N/A | N/A |
| 17 | N/A | N/A | UC SANTA CRUZ | Masculino | A2 | 4.34 |
| 18 | 1298-1400 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 19 | N/A | N/A | UC SANTA CRUZ | Femenino | n.d. | n.d. |
| 20 | N/A | N/A | N/A | N/A | N/A | N/A |
| 21 | N/A | N/A | N/A | N/A | N/A | N/A |
| 22 | N/A | N/A | N/A | N/A | N/A | N/A |
| 23 | N/A | N/A | N/A | N/A | N/A | N/A |
| 24 | N/A | N/A | UC SANTA CRUZ | Masculino | B4 | n.d. |
| 25 | N/A | N/A | N/A | N/A | N/A | N/A |
| 26 | 1436-1472 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 27 | N/A | N/A | N/A | N/A | N/A | N/A |
| 28 | N/A | N/A | UC SANTA CRUZ | Femenino | C1 | 3.17 |

N/A = no se aplica
n.d. = no hay datos

BULK=todo la superficie. OCC=oclusal
CEJ=unión cemento-estilite



| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de collection | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|-------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 29 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 26 | N/A | 13-17 |
| 30 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 26 | N/A | 13-17 |
| 31 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 26 | N/A | 13-17 |
| 32 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 26 | N/A | 13-17 |
| 33 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 28 | N/A | 8-11 |
| 34 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 28 | N/A | 8-11 |
| 35 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 28 | N/A | 8-11 |
| 36 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 29 | N/A | 15-18 |
| 37 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 29 | N/A | 15-18 |
| 38 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | 29 | N/A | 15-18 |
| 39 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | 1 | 17-9-2013 | 30 | N/A | 20-34 |
| 40 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | I | EA8 | I | I | 31 | N/A | 20+ |
| 41 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A | I | I | I | 32 | N/A | 20-34 |
| 42 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A | I | I | I | 32 | N/A | 20-34 |

Ministerio de Cultura
Mesa de Partes
000088
No

| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% aire) |
|-----------------------|---|----------------|----------------------------|------|------|---|--------------------|---------------------------|-----------------------|----------------------------|
| 29 | T | ? | Molar1 | Der. | 10mg | | 1622 OCC, 1623 CEJ | Wyoming | N/A | N/A |
| 30 | T | ? | Molar2 | Der. | 10mg | | 1495 OCC, 1496 CEJ | Wyoming | N/A | N/A |
| 31 | T | ? | Molar3 | Der. | 10mg | | 1497 OCC, 1498 CEJ | Wyoming | N/A | N/A |
| 32 | T | ? | huesos vómer | N/A | 10mg | | 1543 | Yale y UC Irvine | 17-14735 | 15.8 |
| 33 | C | ? | Molar2 | Izq. | 10mg | | 1638 CEJ, 1639 OCC | Wyoming | N/A | N/A |
| 34 | C | ? | huesos vómer, concha nasal | N/A | 10mg | | 1264 | Wyoming y UC Irvine | 20160167.007 | 8.6 |
| 35 | C | ? | porción petrosa | Der. | 10mg | | N/A | N/A | N/A | N/A |
| 36 | T | F | Molar1 | Izq. | 10mg | | 1419 BULK | Wyoming | N/A | N/A |
| 37 | T | F | Molar2 | Izq. | 10mg | | 1640 CEJ, 1641 OCC | Wyoming | N/A | N/A |
| 38 | T | F | Molar3 | Izq. | 10mg | | 1420 OCC, 1421 CEJ | Wyoming | N/A | N/A |
| 39 | YA | M | porción petrosa | Izq. | 10mg | | 1552 | Yale y UC Irvine | 17-14716 | 9.9 |
| 40 | A | F | huesos vómer, concha nasal | N/A | 10mg | | 1544 | Yalc | 17-14736 | 16.3 |
| 41 | YA | F | Molar1 | Der. | 10mg | | 1642 CEJ, 1643 OCC | Wyoming | N/A | N/A |
| 42 | YA | F | Molar2 | Der. | 10mg | | 1464 OCC, 1465 CEJ | Wyoming | N/A | N/A |

Ministerio de Cultura
 Mesa de Partes
 DACCO
 Form
 000087
 N°

| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 29 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32 | -11.9 | 14.8 | 40.5 | n.d. | 2.7 | 183482 | 15.1 | -12.3 | 15.6 | 43.7 |
| 33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34 | -11.4 | 15.4 | 42.3 | n.d. | 2.7 | 177539 | 7.6 | -11.6 | 15.0 | 43.7 |
| 35 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 39 | -10.8 | 13.3 | 36.5 | n.d. | 2.7 | 183483 | 9.5 | -11.2 | 16.0 | 44.7 |
| 40 | -9.9 | 14.9 | 40.9 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 41 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 42 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

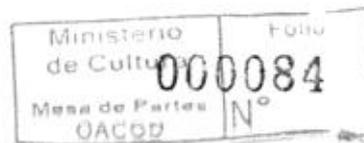
BULK=toda la superficie. OCC=occlusal
CEP=unidas cemento-estilite



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 29 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32 | 3.27 | 2.80 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34 | 3.39 | 2.90 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 35 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 39 | 3.26 | 2.79 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 40 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 41 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 42 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes
OACGD
Folio
000085
N°

| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 29 | OCC | 20170093.089 | -4.5 | -8.5 | | CEJ |
| 30 | OCC | 20160189.043 | -3.3 | -9.1 | | CEJ |
| 31 | OCC | 20160189.044 | -3.9 | -9.0 | | CEJ |
| 32 | N/A | N/A | N/A | N/A | | N/A |
| 33 | OCC | 20170093.092 | -5.1 | -8.3 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 34 | N/A | N/A | N/A | N/A | | N/A |
| 35 | N/A | N/A | N/A | N/A | | N/A |
| 36 | BULK | 20160189.031 | -5.1 | -7.3 | | N/A |
| 37 | OCC | 20170093.094 | -4.7 | -8.0 | | CEJ |
| 38 | OCC | 20160189.032 | -3.0 | -8.7 | | CEJ |
| 39 | N/A | N/A | N/A | N/A | | N/A |
| 40 | N/A | N/A | N/A | N/A | | N/A |
| 41 | OCC | 20170093.096 | -5.5 | -8.9 | | CEJ |
| 42 | OCC | 20160189.034 | -4.0 | -9.2 | | CEJ |



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|---------------------|-------------------------|---|--------------------------------------|-----------------------|
| 29 | 20170093.090 | -2.8 | -8.6 | | N/A | N/A |
| 30 | 20170093.012 | -2.7 | -9.1 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 31 | 20170093.013 | -3.1 | -9.1 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 32 | N/A | N/A | N/A | | N/A | N/A |
| 33 | 20170093.091 | -4.2 | -8.0 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 34 | N/A | N/A | N/A | | N/A | N/A |
| 35 | N/A | N/A | N/A | | N/A | N/A |
| 36 | N/A | N/A | N/A | | N/A | N/A |
| 37 | 20170093.093 | -3.9 | -8.1 | | N/A | N/A |
| 38 | 20160189.033 | -2.0 | -8.6 | | N/A | N/A |
| 39 | N/A | N/A | N/A | | N/A | N/A |
| 40 | N/A | N/A | N/A | | N/A | N/A |
| 41 | 20170093.093 | -3.9 | -9.0 | | N/A | N/A |
| 42 | 20160189.035 | -2.9 | -10.2 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

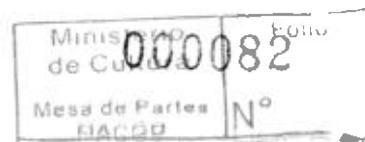
BULK=toda la superficie; OCC=oclusal
CEJ=umbral cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 29 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 30 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 31 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 32 | N/A | N/A | N/A | N/A | N/A | N/A | 620 | 15 |
| 33 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 34 | N/A | N/A | N/A | N/A | N/A | N/A | 525 | 15 |
| 35 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 36 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 37 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 38 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 39 | N/A | N/A | N/A | N/A | N/A | N/A | 555 | 15 |
| 40 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 41 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 42 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

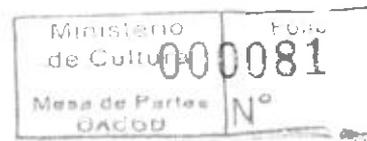
BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|---------------------|---------------|---------------------|------------|-------------------|
| 29 | N/A | N/A | UC SANTA CRUZ | Masculino | C1 | 8.43 |
| 30 | N/A | N/A | N/A | N/A | N/A | N/A |
| 31 | N/A | N/A | N/A | N/A | N/A | N/A |
| 32 | 1295-1396 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 33 | N/A | N/A | N/A | N/A | N/A | N/A |
| 34 | 1401-1434 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 35 | N/A | N/A | UC SANTA CRUZ | n.d. | n.d. | n.d. |
| 36 | N/A | N/A | N/A | N/A | N/A | N/A |
| 37 | N/A | N/A | UC SANTA CRUZ | Probable masculino | n.d. | n.d. |
| 38 | N/A | N/A | N/A | N/A | N/A | N/A |
| 39 | 1321-1421 AD | Calibrado con Oxcal | UC SANTA CRUZ | n.d. | n.d. | n.d. |
| 40 | N/A | N/A | N/A | N/A | N/A | N/A |
| 41 | N/A | N/A | N/A | N/A | N/A | N/A |
| 42 | N/A | N/A | UC SANTA CRUZ | Masculino | B2 | 10.06 |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 43 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A | I | 1 | 1 | 32 | N/A | 20-34 |
| 44 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | EA8 | 1 | 26-10-2013 | 33 | N/A | 20-30 |
| 45 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | EA8 | 1 | 26-10-2013 | 33 | N/A | 20-30 |
| 46 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | EA8 | 1 | 26-10-2013 | 33 | N/A | 20-30 |
| 47 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | EA8 | 1 | 26-10-2013 | 33 | N/A | 20-30 |
| 48 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | I | 3 | 1 | 34 | N/A | 27-40 |
| 49 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | I | 3 | 1 | 35 | N/A | 30-40 |
| 50 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | I | 3 | 1 | 35 | N/A | 30-40 |
| 51 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | 1 | I | 3 | 1 | 35 | N/A | 30-40 |
| 52 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 37 | N/A | 35-50 |
| 53 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 37 | N/A | 35-50 |
| 54 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 37 | N/A | 35-50 |
| 55 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 38 | N/A | 35-50+ |
| 56 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 38 | N/A | 35-50+ |

N/A = no se aplica
n.d. = no hay datos

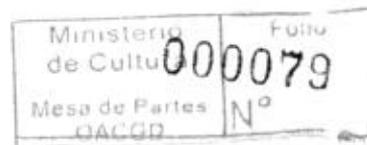
BULK=roda la superficie, OCC=occlusal
CE=frontera cemento-estomat



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Ósco | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (%o aire) |
|-----------------------|---|----------------|--------------------------------|------|------|---|--------------------|---------------------------|-----------------------|-----------------------------|
| 43 | YA | F | huesos vómer, concha nasal | N/A | 10mg | | N/A | UC Irvine | 177540 | 7.8 |
| 44 | YA | M | Molar1 | Der. | 10mg | | 1580 CEJ, 1581 OCC | Wyoming | N/A | N/A |
| 45 | YA | M | Molar2 | Der. | 10mg | | 1466 OCC, 1467 CEJ | Wyoming | N/A | N/A |
| 46 | YA | M | Molar3 | Der. | 10mg | | 1546 CEJ, 1547 OCC | Wyoming | N/A | N/A |
| 47 | YA | M | huesos vómer, esfenoides | N/A | 10mg | | 1470 | Wyoming | 20160167.030 | 16.5 |
| 48 | YA-MA | F | fragmentos de hueso esfenoides | N/A | 10mg | | 1471A, 1471B | Wyoming y Yale | 20160167.031 | 8.7 |
| 49 | MA | F | Molar1 | Izq. | 10mg | | 1594 CEJ, 1595 OCC | Wyoming | N/A | N/A |
| 50 | MA | F | Molar2 | Izq. | 10mg | | 1548 CEJ, 1549 OCC | Wyoming | N/A | N/A |
| 51 | MA | F | huesos vómer, concha nasal | N/A | 10mg | | 1472 | Wyoming | 20160167.032 | 9.5 |
| 52 | MA | F | Molar1 | Der. | 10mg | | 1582 CEJ, 1583 OCC | Wyoming | N/A | N/A |
| 53 | MA | F | Premol4 | Der. | 10mg | | 1550 CEJ, 1551 OCC | Wyoming | N/A | N/A |
| 54 | MA | F | huesos vómer, nasal concha | N/A | 10mg | | 1473 | Wyoming | 20160167.033 | 11.9 |
| 55 | MA-OA | M? | Molar1 | Izq. | 10mg | | 1558 CEJ, 1559 OCC | Wyoming | N/A | N/A |
| 56 | MA-OA | M? | Molar2 | Der. | 10mg | | 1576 CEJ, 1577 OCC | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie; OCC=oclusal
CEJ=apical cemento-esmalte



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 43 | -10.9 | 14.7 | 42.8 | 3.40 | 2.92 | N/A | N/A | N/A | N/A | N/A |
| 44 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 45 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 46 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 47 | -9.7 | 13.9 | 38.0 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 48 | -12.1 | 15.5 | 42.3 | n.d. | 2.7 | 17-06107 | 8.8 | -12.2 | 14.3 | 39.8 |
| 49 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 50 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 51 | -11.6 | 15.0 | 41.0 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 52 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 53 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 54 | -11.9 | 15.3 | 42.1 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 55 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 56 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes QACGD
N° 000078
F.C.C.

N/A = no se aplica
n.d. = no hay datos

BULK = toda la superficie. OCC = occlusal.
CEJ = unión cemento-esmalte

| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 43 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 44 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 45 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 46 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 47 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 48 | n.d. | 2.8 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 49 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 50 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 51 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 52 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 53 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 54 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 55 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 56 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACBD
Folio 000077
Nº

N/A = no se aplican
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEP=unión cemento-estante

| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|---------------------------|-------------------------------|--------------------------------------|
| 43 | N/A | N/A | N/A | N/A | | N/A |
| 44 | OCC | 20170093.051 | -4.9 | -8.8 | | CEJ |
| 45 | OCC | 20160189.036 | -3.4 | -9.2 | | CEJ |
| 46 | OCC | 20170093.023 | -4.2 | -9.5 | | CEJ |
| 47 | N/A | N/A | N/A | N/A | | N/A |
| 48 | N/A | N/A | N/A | N/A | | N/A |
| 49 | OCC | 20170093.065 | -4.8 | -7.9 | | CEJ |
| 50 | OCC | 20170093.025 | No hay datos | No hay datos | No se detectó ninguna muestra | CEJ |
| 51 | N/A | N/A | N/A | N/A | | N/A |
| 52 | OCC | 20170093.053 | -6.0 | -8.4 | | CEJ |
| 53 | OCC | 20170093.027 | -4.8 | -8.8 | | CEJ |
| 54 | N/A | N/A | N/A | N/A | | N/A |
| 55 | OCC | 20170093.029 | -6.7 | -8.9 | | CEJ |
| 56 | OCC | 20170093.047 | -5.2 | -9.3 | | CEJ |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie; OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-----------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|-----------------------|
| 43 | N/A | N/A | N/A | | N/A | N/A |
| 44 | 20170093.050 | -4.2 | -8.9 | | N/A | N/A |
| 45 | 20160189.037 | -3.5 | -9.6 | | N/A | N/A |
| 46 | 20170093.022 | -4.0 | -9.8 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 47 | N/A | N/A | N/A | | N/A | N/A |
| 48 | N/A | N/A | N/A | | N/A | N/A |
| 49 | 20170093.064 | -4.1 | -8.8 | | N/A | N/A |
| 50 | 20170093.024 | -5.7 | -9.4 | | N/A | N/A |
| 51 | N/A | N/A | N/A | | N/A | N/A |
| 52 | 20170093.052 | -5.5 | -8.2 | | N/A | N/A |
| 53 | 20170093.026 | -3.8 | -9.3 | Criterios de QA/QC tolerancia exterior. Úselo con precaución. | N/A | N/A |
| 54 | N/A | N/A | N/A | | N/A | N/A |
| 55 | 20170093.028 | -5.1 | -9.7 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 56 | 20170093.046 | -4.6 | -8.9 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BU/LX=ode la superficie: OCC=oclusal
CEJ=union cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o C.E.J) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--|-----------------------|---------------------|---------------------------|--------------|-------|
| 43 | N/A | N/A | N/A | N/A | N/A | N/A | 520 | 15 |
| 44 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 45 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 46 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 47 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 48 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 49 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 50 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 51 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 52 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 53 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 54 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 55 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 56 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes
GACDD
000074
Nº

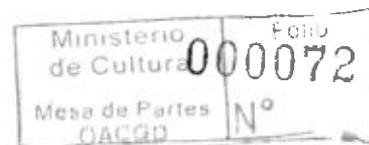
| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|---------------------|---------------|---------------------|------------|-------------------|
| 43 | 1404-1435 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 44 | N/A | N/A | N/A | N/A | N/A | N/A |
| 45 | N/A | N/A | N/A | N/A | N/A | N/A |
| 46 | N/A | N/A | UC SANTA CRUZ | Masculino | A2 | n.d. |
| 47 | N/A | N/A | N/A | N/A | N/A | N/A |
| 48 | N/A | N/A | N/A | N/A | N/A | N/A |
| 49 | N/A | N/A | UC SANTA CRUZ | Femenino | C1 | n.d. |
| 50 | N/A | N/A | N/A | N/A | N/A | N/A |
| 51 | N/A | N/A | N/A | N/A | N/A | N/A |
| 52 | N/A | N/A | UC SANTA CRUZ | Femenino | C4a1b | n.d. |
| 53 | N/A | N/A | N/A | N/A | N/A | N/A |
| 54 | N/A | N/A | N/A | N/A | N/A | N/A |
| 55 | N/A | N/A | N/A | N/A | N/A | N/A |
| 56 | N/A | N/A | UC SANTA CRUZ | Probable masculino | C4a1b | 0.41 |

Ministerio de Cultura
Mesa de Partes DACGD
Folio 000073
N°

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 57 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 38 | N/A | 35-50+ |
| 58 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 38 | N/A | 35-50+ |
| 59 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 39 | N/A | 50+ |
| 60 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 40 | N/A | 15-18 |
| 61 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 40 | N/A | 15-18 |
| 62 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 40 | N/A | 15-18 |
| 63 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 40 | N/A | 15-18 |
| 64 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 20-09-2013 | 42 | N/A | 30-45 |
| 65 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 20-09-2013 | 42 | N/A | 30-45 |
| 66 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 20-09-2013 | 42 | N/A | 30-45 |
| 67 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 43 | N/A | 50+ |
| 68 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 44 | N/A | 26-50 |
| 69 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 44 | N/A | 26-50 |
| 70 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 44 | N/A | 26-50 |

N/A = no se aplica
n.d. = no hay datos

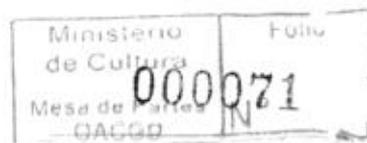
BULK = toda la superficie. OCC = occlusal
CEJ = unión cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (%o aire) |
|-----------------------|---|----------------|----------------------------|------|------|---|--------------------|---------------------------|-----------------------|-----------------------------|
| 57 | MA-OA | M? | Molar3 | Der. | 10mg | | 1561 CEJ, 1562 OCC | Wyoming | N/A | N/A |
| 58 | MA-OA | M? | huesos vómer, concha nasal | N/A | 10mg | | 1265 | Wyoming y UC Irvine | 20160167.008 | 17.0 |
| 59 | OA | F | huesos vómer, concha nasal | N/A | 10mg | | 1553 | Yale | 17-14719 | 9.9 |
| 60 | T | ? | Molar1 | Der. | 10mg | | 1563 CEJ, 1564 OCC | Wyoming | N/A | N/A |
| 61 | T | ? | Molar2 | Der. | 10mg | | 1578 CEJ, 1579 OCC | Wyoming | N/A | N/A |
| 62 | T | ? | Molar3 | Der. | 10mg | | 1566 CEJ, 1567 OCC | Wyoming | N/A | N/A |
| 63 | T | ? | huesos vómer | N/A | 10mg | | 1266 | Wyoming y UC Irvine | 20160167.009 | 7.7 |
| 64 | YA-MA | F | Molar1 | Izq. | 10mg | | 1588 CEJ, 1589 OCC | Wyoming | N/A | N/A |
| 65 | YA-MA | F | Molar2 | Der. | 10mg | | 1568 CEJ, 1569 OCC | Wyoming | N/A | N/A |
| 66 | YA-MA | F | huesos vómer, concha nasal | N/A | 10mg | | 1554 | Yale y UC Irvine | 17-14717 | 7.4 |
| 67 | OA | M | huesos vómer, concha nasal | N/A | 10mg | | 1267A, 1267B | Yale, y UC Irvine | 20160167.010 | 10.1 |
| 68 | YA-MA | F | Molar1 | Der. | 10mg | | 1574 OCC, 1575 CEJ | Wyoming | N/A | N/A |
| 69 | YA-MA | F | Molar2 | Izq. | 10mg | | 1596 CEJ, 1597 OCC | Wyoming | N/A | N/A |
| 70 | YA-MA | F | huesos vómer, concha nasal | N/A | 10mg | | 1555 | Yale y UC Irvine | 17-14715 | 16.8 |

N/A = no se aplica
n.d. = no hay datos

BUUK= toda la superficie: OCC=oclusal
CEJ= unión cemento-esmalte



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 57 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 58 | -11.4 | 15.3 | 41.8 | n.d. | 2.7 | 183484 | 16.2 | -11.9 | 15.5 | 43.9 |
| 59 | -14.2 | 15.3 | 41.8 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 60 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 61 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 62 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 63 | -12.7 | 15.9 | 43.4 | n.d. | 2.7 | 177541 | 7.6 | -13.3 | 14.5 | 43.4 |
| 64 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 65 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 66 | -11.7 | 15.1 | 41.4 | n.d. | 2.7 | 183485 | 7.3 | -12.0 | 15.7 | 44.3 |
| 67 | -11.0 | 15.7 | 42.7 | n.d. | 2.7 | 17-06106 | 10.2 | -10.7 | 14.4 | 39.9 |
| 68 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 69 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 70 | -11.4 | 15.7 | 43.0 | n.d. | 2.7 | 183487 | 16.6 | -12.1 | 15.8 | 44.2 |

N/A = no se aplica
n.d. = no hay datos

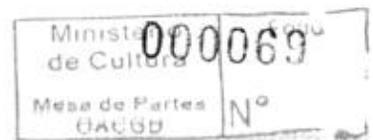
BULK=toda la superficie OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 57 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 58 | 3.31 | 2.83 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 59 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 60 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 61 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 62 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 63 | 3.49 | 2.99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 64 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 65 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 66 | 3.29 | 2.82 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 67 | n.d. | 2.8 | 183486 | 9.9 | -11.7 | 14.8 | 41.8 | 3.30 | 2.83 |
| 68 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 69 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 70 | 3.27 | 2.80 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie - OCC=oclusal
CEI=función cemento-esmalte



| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{app}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|----------------------|---------------------------|--|--------------------------------------|
| 57 | OCC | 20170093.032 | -4.8 | -9.8 | | CEJ |
| 58 | N/A | N/A | N/A | N/A | | N/A |
| 59 | N/A | N/A | N/A | N/A | | N/A |
| 60 | OCC | 20170093.034 | -4.1 | -8.2 | | CEJ |
| 61 | OCC | 20170093.049 | -4.1 | -8.5 | Criterios de QAQC tolerancia exterior. Úselo con precaución. | CEJ |
| 62 | OCC | 20170093.037 | -4.6 | -8.9 | Criterios de QAQC tolerancia exterior. Úselo con precaución. | CEJ |
| 63 | N/A | N/A | N/A | N/A | | N/A |
| 64 | OCC | 20170093.059 | -4.2 | -8.8 | | CEJ |
| 65 | OCC | 20170093.039 | -4.7 | -9.9 | | CEJ |
| 66 | N/A | N/A | N/A | N/A | | N/A |
| 67 | N/A | N/A | N/A | N/A | | N/A |
| 68 | OCC | 20170093.044 | -3.8 | -8.7 | | CEJ |
| 69 | OCC | 20170093.067 | -5.3 | -10.1 | | CEJ |
| 70 | N/A | N/A | N/A | N/A | | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|---------------------|-------------------------|---|--------------------------------------|-----------------------|
| 57 | 20170093.031 | -4.1 | -9.8 | | N/A | N/A |
| 58 | N/A | N/A | N/A | | N/A | N/A |
| 59 | N/A | N/A | N/A | | N/A | N/A |
| 60 | 20170093.033 | -3.3 | -8.2 | | N/A | N/A |
| 61 | 20170093.048 | -3.5 | -9.2 | | N/A | N/A |
| 62 | 20170093.036 | -4.2 | -8.6 | | N/A | N/A |
| 63 | N/A | N/A | N/A | | N/A | N/A |
| 64 | 20170093.058 | -4.2 | -9.8 | | N/A | N/A |
| 65 | 20170093.038 | -3.1 | -10.2 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 66 | N/A | N/A | N/A | | N/A | N/A |
| 67 | N/A | N/A | N/A | | N/A | N/A |
| 68 | 20170093.045 | -3.4 | -8.8 | | N/A | N/A |
| 69 | 20170093.066 | -3.7 | -10.3 | | N/A | N/A |
| 70 | N/A | N/A | N/A | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 57 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 58 | N/A | N/A | N/A | N/A | N/A | N/A | 640 | 15 |
| 59 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 60 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 61 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 62 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 63 | N/A | N/A | N/A | N/A | N/A | N/A | 510 | 15 |
| 64 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 65 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 66 | N/A | N/A | N/A | N/A | N/A | N/A | 485 | 15 |
| 67 | N/A | N/A | N/A | N/A | N/A | N/A | 535 | 20 |
| 68 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 69 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 70 | N/A | N/A | N/A | N/A | N/A | N/A | 570 | 20 |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|---------------------|---------------|---------------------|------------|-------------------|
| 57 | N/A | N/A | N/A | N/A | N/A | N/A |
| 58 | 1290-1390 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 59 | N/A | N/A | N/A | N/A | N/A | N/A |
| 60 | N/A | N/A | N/A | N/A | N/A | N/A |
| 61 | N/A | N/A | UC SANTA CRUZ | Probable masculino | A2 | 0.26 |
| 62 | N/A | N/A | N/A | N/A | N/A | N/A |
| 63 | 1409-1436 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 64 | N/A | N/A | UC SANTA CRUZ | Femenino | B2c2a | 2.25 |
| 65 | N/A | N/A | N/A | N/A | N/A | N/A |
| 66 | 1417-1444 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 67 | 1326-1434 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 68 | N/A | N/A | N/A | N/A | N/A | N/A |
| 69 | N/A | N/A | UC SANTA CRUZ | Femenino | B4 | 4.8 |
| 70 | 1313-1416 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
CEP=unión cemento-esmalte



| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 71 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | I | I | 3 | 24-09-2013 | 45 | N/A | 35-49 |
| 72 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | I | I | 3 | 24-09-2013 | 45 | N/A | 35-49 |
| 73 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | I | I | 3 | 24-09-2013 | 45 | N/A | 35-49 |
| 74 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | I | 2 | 19-Sep-09 | 47 | N/A | 25-40 |
| 75 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | I | I | 27-09-2013 | 51 | N/A | 30-39 |
| 76 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | I | I | 27-09-2013 | 51 | N/A | 30-39 |
| 77 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | I | I | 27-09-2013 | 51 | N/A | 30-39 |
| 78 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | I | I | 27-09-2013 | 51 | N/A | 30-39 |
| 79 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | 7 | 2 | 19-Sep-09 | 52 | N/A | 13-17 |
| 80 | Huari | Monqachayoc | 2 | F2 | UNSCH | B | 7 | 2 | 19-Sep-09 | 52 | N/A | 13-17 |
| 81 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | B | I | 3 | I | 53 | N/A | 5-8 |
| 82 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | B | I | 3 | I | 53 | N/A | 5-8 |
| 83 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | B | I | 3 | I | 53 | N/A | 5-8 |
| 84 | Huari | Monqachayoc | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 54 | N/A | 25-40 |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie; OCC=oclusal
CE=unión cemento-estable



| Código de exportación | Código de edad (J, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechas en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% aire) |
|-----------------------|---|----------------|--------------------------------|------|------|---|-------------------------------|---------------------------|-----------------------|----------------------------|
| 71 | MA | M | Molar1 | Izq. | 10mg | | 1584 CEJ, 1585 OCC | Wyoming | N/A | N/A |
| 72 | MA | M | Molar2 | Izq. | 10mg | | 1560 OCC, 1565 CEJ | Wyoming | N/A | N/A |
| 73 | MA | M | huesos vómer, concha nasal | N/A | 10mg | | 1268A, 1268B | Wyoming y Yale | 20160167.011 | 11.9 |
| 74 | YA-MA | F | fragmentos de hueso esfenoides | N/A | 10mg | | 1556 | Yale | 17-14714 | 10.5 |
| 75 | YA-MA | M | Molar1 | Der. | 10mg | | 1586 CEJ, 1587 OCC | Wyoming | N/A | N/A |
| 76 | YA-MA | M | Molar2 | Der. | 10mg | | 1570 OCC, 1571 CEJ | Wyoming | N/A | N/A |
| 77 | YA-MA | M | Molar3 | Der. | 10mg | | CEJ, 2678 OCC, 2679 CEJ | Wyoming y Yale | N/A | N/A |
| 78 | YA-MA | M | huesos vómer, concha nasal | N/A | 10mg | | N/A | UC Irvine | 177542 | 10.4 |
| 79 | T | ? | Molar1 | Izq. | 10mg | | 1590 CEJ, 1591 OCC | Wyoming | N/A | N/A |
| 80 | T | ? | huesos vómer, concha nasal | N/A | 10mg | | 1557 | Yale | 17-14718 | 8.6 |
| 81 | C | ? | Molar1 | Izq. | 10mg | | 1598 CEJ, 1599 OCC | Wyoming | N/A | N/A |
| 82 | C | ? | Molar2 | Izq. | 10mg | | 1521 CEJ, 1522 OCC, 2676 BULK | Wyoming y Yale | N/A | N/A |
| 83 | C | ? | huesos vómer, concha nasal | N/A | 10mg | | N/A | UC Irvine | 177543 | 14.2 |
| 84 | YA-MA | M? | Molar1 | Izq. | 10mg | | 1592 CEJ, 1593 OCC | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

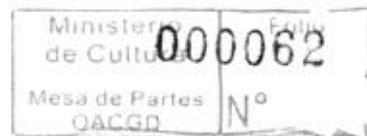
BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 71 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 72 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 73 | -11.4 | 15.8 | 43.0 | n.d. | 2.7 | 17-06103 | 12.1 | -11.4 | 15.0 | 41.1 |
| 74 | -13.0 | 14.0 | 38.5 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 75 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 76 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 77 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 78 | -9.3 | 14.8 | 41.6 | 3.28 | 2.81 | N/A | N/A | N/A | N/A | N/A |
| 79 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 80 | -11.0 | 15.9 | 43.7 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A |
| 81 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 82 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 83 | -14.3 | 14.9 | 45.4 | 3.56 | 3.05 | N/A | N/A | N/A | N/A | N/A |
| 84 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEP=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 71 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 72 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 73 | n.d. | 2.7 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 74 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 75 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 76 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 77 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 78 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 79 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 80 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 81 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 82 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 83 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 84 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULX=toda la superficie, OCC=eclizil
CEL=unión cemento-esmalte



| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--|--------------------------------------|
| 71 | OCC | 20170093.055 | -4.1 | -8.4 | | CEJ |
| 72 | OCC | 20170093.030 | -3.8 | -9.6 | | CEJ |
| 73 | N/A | N/A | N/A | N/A | | N/A |
| 74 | N/A | N/A | N/A | N/A | | N/A |
| 75 | OCC | 20170093.057 | -9.6 | -9.8 | | CEJ |
| 76 | OCC | 20170093.040 | -6.4 | -9.7 | | CEJ |
| 77 | OCC | 20170093.042 | -1.4 | -9.9 | Criterios de QAQC tolerancia exterior. Uselo con precaución. | CEJ |
| 78 | N/A | N/A | N/A | N/A | | N/A |
| 79 | OCC | 20170093.061 | -5.4 | -7.1 | | CEJ |
| 80 | N/A | N/A | N/A | N/A | | N/A |
| 81 | OCC | 20170093.069 | -3.9 | -8.2 | | CEJ |
| 82 | BULK | Yalc 18-240 | -4.88 | -9.78 | | CEJ |
| 83 | N/A | N/A | N/A | N/A | | N/A |
| 84 | OCC | 20170093.063 | -6.0 | -7.6 | | CEJ |

Ministerio de Cultura
 Mesa de Partes
 EIA/CGD
 Folio
 000060
 N°

| Código de exportación | Código de laboratorio | $\delta^{13}C_{org}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEI) | Código de laboratorio |
|-----------------------|-----------------------|----------------------|-------------------------|---|--------------------------------------|-----------------------|
| 71 | 20170093.054 | -2.1 | -8.1 | | N/A | N/A |
| 72 | 20170093.035 | -2.8 | -8.9 | | N/A | N/A |
| 73 | N/A | N/A | N/A | | N/A | N/A |
| 74 | N/A | N/A | N/A | | N/A | N/A |
| 75 | 20170093.056 | -8.2 | -9.3 | | N/A | N/A |
| 76 | 20170093.041 | -6.8 | -10.1 | | N/A | N/A |
| 77 | 20170093.043 | -1.0 | -10.2 | Amplitud por debajo del umbral para datos fiables | OCC | Yale 18-240 |
| 78 | N/A | N/A | N/A | | N/A | N/A |
| 79 | 20170093.060 | -5.7 | -7.5 | | N/A | N/A |
| 80 | N/A | N/A | N/A | | N/A | N/A |
| 81 | 20170093.068 | -3.6 | -8.6 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 82 | 20170093.014 | -4.4 | -9.2 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 83 | N/A | N/A | N/A | | N/A | N/A |
| 84 | 20170093.062 | -5.0 | -8.6 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

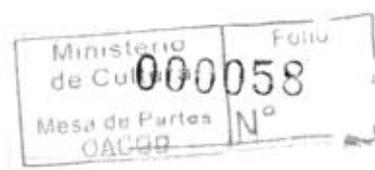
BULK=toda la superficie. OCC=oclusal
CEI=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb PDB}$ | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb PDB}$ | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 71 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 72 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 73 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 74 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 75 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 76 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 77 | -1.66 | -10.12 | CEJ | Yale 18-240 | -1.23 | -10.33 | N/A | N/A |
| 78 | N/A | N/A | N/A | N/A | N/A | N/A | 340 | 15 |
| 79 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 80 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 81 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 82 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 83 | N/A | N/A | N/A | N/A | N/A | N/A | 615 | 15 |
| 84 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=occlusal
CEJ=unión cemento-esmalte



| Código de exportación n | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-------------------------|------------------------------|---------------------|---------------|---------------------|------------|-------------------|
| 71 | N/A | N/A | UC SANTA CRUZ | Probable masculino | N5 | n.d. |
| 72 | N/A | N/A | N/A | N/A | N/A | N/A |
| 73 | N/A | N/A | N/A | N/A | N/A | N/A |
| 74 | N/A | N/A | N/A | N/A | N/A | N/A |
| 75 | N/A | N/A | UC SANTA CRUZ | Masculino | D1F | 1.12 |
| 76 | N/A | N/A | N/A | N/A | N/A | N/A |
| 77 | N/A | N/A | N/A | N/A | N/A | N/A |
| 78 | 1477-1635 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 79 | N/A | N/A | UC SANTA CRUZ | Femenino | C1 | n.d. |
| 80 | N/A | N/A | N/A | N/A | N/A | N/A |
| 81 | N/A | N/A | UC SANTA CRUZ | Masculino | A2 | 2.28 |
| 82 | N/A | N/A | N/A | N/A | N/A | N/A |
| 83 | 1297-1398 AD | Calibrado con Oxcal | N/A | N/A | N/A | N/A |
| 84 | N/A | N/A | UC SANTA CRUZ | Masculino | A2 | 2.16 |

N/A = no se aplica
n.d. = no hay datos

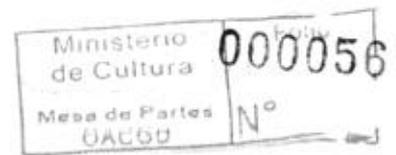
BULK = toda la superficie. OC = occlusal
CE = unión cemento-esmalte



| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 85 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-09-2013 | 54 | N/A | 25-40 |
| 86 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 3 | 24-36 |
| 87 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 3 | 24-36 |
| 88 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 3 | 24-36 |
| 89 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 5 | 24-30 |
| 90 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 6 | 18-42 |
| 91 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 6 | 18-42 |
| 92 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 6 | 18-42 |
| 93 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 7 | 39 |
| 94 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 7 | 39 |
| 95 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 8 | 22-26 |
| 96 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 8 | 22-26 |
| 97 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 8 | 22-26 |
| 98 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 9 | 21 |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=occlusal
CE=unión cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M,F,?) | Diente o Osco | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (‰ aire) |
|-----------------------|---|--------------|---------------|------|------|---|--------------------|---------------------------|-----------------------|----------------------------|
| 85 | YA-MA | M? | Molar2 | Izq. | 10mg | | 1523 CEJ, 1524 OCC | Wyoming | N/A | N/A |
| 86 | YA | M | Molar1 | Izq. | 10mg | | 1525 CEJ, 1526 OCC | Wyoming | N/A | N/A |
| 87 | YA | M | Molar2 | Der. | 10mg | | 1527 CEJ, 1528 OCC | Wyoming | N/A | N/A |
| 88 | YA | M | Molar3 | Der. | 10mg | | 1529 CEJ, 1530 OCC | Wyoming | N/A | N/A |
| 89 | YA | M | Molar1 | Izq. | 10mg | | 1531 CEJ, 1532 OCC | Wyoming | N/A | N/A |
| 90 | YA-MA | M | Molar1 | Izq. | 10mg | | 1616 OCC, 1617 CEJ | Wyoming | N/A | N/A |
| 91 | YA-MA | M | Molar2 | Izq. | 10mg | | 1733 OCC, 1734 CEJ | Wyoming | N/A | N/A |
| 92 | YA-MA | M | Molar3 | Izq. | 10mg | | 1735 OCC, 1736 CEJ | Wyoming | N/A | N/A |
| 93 | MA | M | Molar1 | Izq. | 10mg | | 1744 OCC, 1745 CEJ | Wyoming | N/A | N/A |
| 94 | MA | M | Molar2 | Izq. | 10mg | | 1746 OCC, 1747 CEJ | Wyoming | N/A | N/A |
| 95 | YA | M | Molar1 | Izq. | 10mg | | 1760 OCC, 1761 CEJ | Wyoming | N/A | N/A |
| 96 | YA | M | Molar2 | Der. | 10mg | | 1773 OCC, 1774 CEJ | Wyoming | N/A | N/A |
| 97 | YA | M | Molar3 | Izq. | 10mg | | 1775 OCC, 1776 CEJ | Wyoming | N/A | N/A |
| 98 | YA | M | Molar1 | Izq. | 10mg | | 1777 OCC, 1778 CEJ | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK = toda la superficie: OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 85 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 86 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 87 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 88 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 89 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 90 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 91 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 92 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 93 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 94 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 95 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 96 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 97 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 98 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=cola la superficie. OCC=oclusal
CEP=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 85 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 86 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 87 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 88 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 89 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 90 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 91 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 92 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 93 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 94 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 95 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 96 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 97 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 98 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACGD
000053
N°

| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|----------------------------|--|-----------------------|---------------------|----------------------------|---|--|
| 85 | OCC | 20160189.045 | -4.2 | -9.7 | | CEJ |
| 86 | OCC | 20170093.017 | -4.3 | -9.3 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 87 | OCC | 20160189.046 | -4.5 | -9.3 | | CEJ |
| 88 | OCC | 20160189.047 | -2.9 | -10.1 | | CEJ |
| 89 | OCC | 20170093.020 | -5.4 | -8.9 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 90 | OCC | 20170093.083 | -5.8 | -7.7 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 91 | OCC | 20170093.097 | -3.9 | -9.3 | | CEJ |
| 92 | OCC | 20170212.001 | -3.3 | -11.4 | | CEJ |
| 93 | OCC | 20170093.098 | -6.4 | -8.2 | | CEJ |
| 94 | OCC | 20170212.003 | -3.6 | -9.5 | | CEJ |
| 95 | OCC | 20170212.004 | -6.5 | -8.5 | | CEJ |
| 96 | OCC | 20170212.006 | -4.8 | -10.3 | | CEJ |
| 97 | OCC | 20170212.008 | -2.9 | -10.6 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 98 | OCC | 20170212.010 | -5.6 | -10.1 | | CEJ |



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{app}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|----------------------------|------------------------------|----------------------|----------------------------|---|---|-----------------------|
| 85 | 20170093.015 | -4.7 | -9.5 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 86 | 20170093.016 | -4.4 | -9.4 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 87 | 20170093.018 | -4.6 | -9.0 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 88 | 20170093.019 | -3.6 | -10.6 | | N/A | N/A |
| 89 | 20160189.048 | -5.0 | -9.1 | | N/A | N/A |
| 90 | 20170093.084 | -4.3 | -8.5 | | N/A | N/A |
| 91 | no es procesada químicamente | n.d. | n.d. | | N/A | N/A |
| 92 | 20170212.002 | -3.3 | -8.6 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 93 | 20170093.099 | -4.6 | -8.8 | | N/A | N/A |
| 94 | 20170093.100 | -3.3 | -7.9 | | N/A | N/A |
| 95 | 20170212.005 | -5.0 | -12.4 | | N/A | N/A |
| 96 | 20170212.007 | -3.9 | -9.4 | | N/A | N/A |
| 97 | 20170212.009 | -1.9 | -10.4 | | N/A | N/A |
| 98 | 20170212.011 | -5.0 | -9.3 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie; OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 85 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 86 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 87 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 88 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 89 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 90 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 91 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 92 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 93 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 94 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 95 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 96 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 97 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 98 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes DACGD
Folio 000050
Nº

| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 85 | N/A | N/A | N/A | N/A | N/A | N/A |
| 86 | N/A | N/A | N/A | N/A | N/A | N/A |
| 87 | N/A | N/A | N/A | N/A | N/A | N/A |
| 88 | N/A | N/A | N/A | N/A | N/A | N/A |
| 89 | N/A | N/A | N/A | N/A | N/A | N/A |
| 90 | N/A | N/A | N/A | N/A | N/A | N/A |
| 91 | N/A | N/A | N/A | N/A | N/A | N/A |
| 92 | N/A | N/A | N/A | N/A | N/A | N/A |
| 93 | N/A | N/A | N/A | N/A | N/A | N/A |
| 94 | N/A | N/A | N/A | N/A | N/A | N/A |
| 95 | N/A | N/A | N/A | N/A | N/A | N/A |
| 96 | N/A | N/A | N/A | N/A | N/A | N/A |
| 97 | N/A | N/A | N/A | N/A | N/A | N/A |
| 98 | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACCB
000049
Form N° 49

N/A = no se aplica
n.d. = no hay datos

BULK=roda la superficie. OCC=ochusal
CE=unión cemento-esmalte

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 99 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 9 | 21 |
| 100 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 10 | 22-36 |
| 101 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 10 | 22-36 |
| 102 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 10 | 22-36 |
| 103 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 13 | 24 |
| 104 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 13 | 24 |
| 105 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 17 | 20+ |
| 106 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 18 | 21-24 |
| 107 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 18 | 21-24 |
| 108 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 19 | 16-20 |
| 109 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 19 | 16-20 |
| 110 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 19 | 16-20 |
| 111 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 20 | 22 |
| 112 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 20 | 22 |

N/A = no se aplica
n.d. = no hay datos

BULK=odh la superficie. OCC=occlusal
CEJ=humero cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% aire) |
|-----------------------|---|----------------|---------------|------|------|---|--------------------|---------------------------|-----------------------|----------------------------|
| 99 | YA | M | Molar2 | Izq. | 10mg | | 1814 OCC, 1815 CEJ | Wyoming | N/A | N/A |
| 100 | YA | M | Molar1 | Izq. | 10mg | | 1816 OCC, 1817 CEJ | Wyoming | N/A | N/A |
| 101 | YA | M | Molar2 | Izq. | 10mg | | 1822 OCC, 1823 CEJ | Wyoming | N/A | N/A |
| 102 | YA | M | Molar3 | Der. | 10mg | | 1824 OCC, 1825 CEJ | Wyoming | N/A | N/A |
| 103 | YA | ? | Molar1 | Izq. | 10mg | | 1873 CEJ, 1874 OCC | Wyoming | N/A | N/A |
| 104 | YA | ? | Molar2 | Izq. | 10mg | | 1875 CEJ, 1876 OCC | Wyoming | N/A | N/A |
| 105 | A? | ? | Molar1 | Izq. | 10mg | | 1877 CEJ, 1878 OCC | Wyoming | N/A | N/A |
| 106 | YA | ? | Molar1 | Izq. | 10mg | | 1879 CEJ, 1880 OCC | Wyoming | N/A | N/A |
| 107 | YA | ? | Molar2 | Izq. | 10mg | | 1881 CEJ, 1882 OCC | Wyoming | N/A | N/A |
| 108 | T-YA | ? | Molar1 | Izq. | 10mg | | 1826 OCC, 1827 CEJ | Wyoming | N/A | N/A |
| 109 | T-YA | ? | Molar2 | Izq. | 10mg | | 1828 OCC, 1829 CEJ | Wyoming | N/A | N/A |
| 110 | T-YA | ? | Molar3 | Izq. | 10mg | | 1830 OCC, 1831 CEJ | Wyoming | N/A | N/A |
| 111 | YA | M? | Molar1 | Izq. | 10mg | | 1832 OCC, 1833 CEJ | Wyoming | N/A | N/A |
| 112 | YA | M? | Molar2 | Izq. | 10mg | | 1834 OCC, 1835 CEJ | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n° | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|--------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 101 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 102 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 103 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 104 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 105 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 106 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 107 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 108 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 109 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 110 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 111 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 112 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=occlusal
CEJ=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (%m aire) | d ¹³ C (%m VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|----------------------------|----------------------|------------|-----------------------|-----------------------------|-----------------------------|----------|----------|----------------------|------------|
| 99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 101 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 102 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 103 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 104 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 105 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 106 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 107 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 108 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 109 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 110 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 111 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 112 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cult
 Mesó de Partes
 000045
 N°

| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb PDB}$ | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 99 | OCC | 20170093.101 | -5.1 | -9.2 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 100 | OCC | 20170093.102 | -5.7 | -8.0 | | CEJ |
| 101 | OCC | 20170093.103 | -5.1 | -10.1 | | CEJ |
| 102 | OCC | 20170093.105 | -5.6 | -10.5 | | CEJ |
| 103 | OCC | 20170212.028 | -5.7 | -7.3 | | CEJ |
| 104 | OCC | 20170212.030 | -4.3 | -8.6 | | CEJ |
| 105 | OCC | 20170212.032 | -7.5 | -8.0 | | CEJ |
| 106 | OCC | 20170212.034 | -4.4 | -8.5 | | CEJ |
| 107 | OCC | 20170212.036 | -3.6 | -11.7 | | CEJ |
| 108 | OCC | 20170212.014 | -5.2 | -9.9 | | CEJ |
| 109 | OCC | 20170093.108 | -5.0 | -9.5 | | CEJ |
| 110 | OCC | 20170212.015 | -2.8 | -11.4 | | CEJ |
| 111 | OCC | 20170093.110 | -5.9 | -7.2 | | CEJ |
| 112 | OCC | 20170093.112 | -4.9 | -8.3 | | CEJ |



| Código de exportación | Código de laboratorio | $\delta^{13}C_{org}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-----------------------|-----------------------|----------------------|---------------------------|---|--------------------------------------|-----------------------|
| 99 | 20170212.012 | -3.5 | -12.1 | | N/A | N/A |
| 100 | 20170212.013 | -4.9 | -8.5 | | N/A | N/A |
| 101 | 20170093.104 | -4.6 | -9.9 | | N/A | N/A |
| 102 | 20170093.106 | -4.0 | -10.2 | | N/A | N/A |
| 103 | 20170212.027 | -5.8 | -13.7 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 104 | 20170212.029 | -3.7 | -11.8 | | N/A | N/A |
| 105 | 20170212.031 | -6.5 | -8.6 | | N/A | N/A |
| 106 | 20170212.033 | -3.6 | -8.6 | | N/A | N/A |
| 107 | 20170212.035 | -4.0 | -9.1 | | N/A | N/A |
| 108 | 20170093.107 | -5.6 | -9.3 | | N/A | N/A |
| 109 | 20170093.109 | -3.6 | -9.4 | | N/A | N/A |
| 110 | 20170212.016 | -2.3 | -11.9 | | N/A | N/A |
| 111 | 20170093.111 | -4.7 | -7.8 | | N/A | N/A |
| 112 | 20170093.113 | -4.3 | -8.6 | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie, OCC=enclusa
CEJ=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 101 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 102 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 103 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 104 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 105 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 106 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 107 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 108 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 109 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 110 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 111 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 112 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK = toda la superficie; OCC = oclusal
CEJ = unión cemento-esmalte

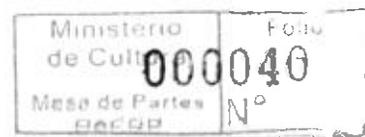


| Código de exportación n | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-------------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 99 | N/A | N/A | N/A | N/A | N/A | N/A |
| 100 | N/A | N/A | N/A | N/A | N/A | N/A |
| 101 | N/A | N/A | N/A | N/A | N/A | N/A |
| 102 | N/A | N/A | N/A | N/A | N/A | N/A |
| 103 | N/A | N/A | N/A | N/A | N/A | N/A |
| 104 | N/A | N/A | N/A | N/A | N/A | N/A |
| 105 | N/A | N/A | N/A | N/A | N/A | N/A |
| 106 | N/A | N/A | N/A | N/A | N/A | N/A |
| 107 | N/A | N/A | N/A | N/A | N/A | N/A |
| 108 | N/A | N/A | N/A | N/A | N/A | N/A |
| 109 | N/A | N/A | N/A | N/A | N/A | N/A |
| 110 | N/A | N/A | N/A | N/A | N/A | N/A |
| 111 | N/A | N/A | N/A | N/A | N/A | N/A |
| 112 | N/A | N/A | N/A | N/A | N/A | N/A |



| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|---------------------|-------------------|----------------|-------------|
| 113 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 25 | 16-25 |
| 114 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 25 | 16-25 |
| 115 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 27 | 18-21 |
| 116 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 27 | 18-21 |
| 117 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 28 | 20+ |
| 118 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 28 | 20+ |
| 119 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 30 | 20+ |
| 120 | Huari | Monqachayoq | 2 | F2 | UNSCH | A | I | I | 17-9-2013 | N/A | 31 | 20+ |
| 121 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 33 | 20+ |
| 122 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 34 | 20+ |
| 123 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 34 | 20+ |
| 124 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 35 | 4-6? |
| 125 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 35 | 4-6? |
| 126 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 37 | 20+ |

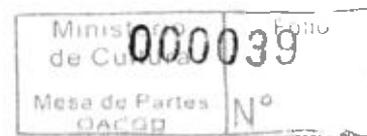
N/A = no se aplica
n.d. = no hay datos



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M,F,?) | Diente o Osco | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% aire) |
|-----------------------|---|--------------|---------------|------|------|---|--------------------|---------------------------|-----------------------|----------------------------|
| 113 | T-YA | ? | Molar1 | Der. | 10mg | | 1836 OCC, 1837 CEJ | Wyoming | N/A | N/A |
| 114 | T-YA | ? | Molar2 | Izq. | 10mg | | 1838 OCC, 1839 CEJ | Wyoming | N/A | N/A |
| 115 | T-YA | ? | Molar2 | Izq. | 10mg | | 1883 CEJ, 1884 OCC | Wyoming | N/A | N/A |
| 116 | T-YA | ? | Molar3 | Der. | 10mg | | 1885 CEJ, 1886 OCC | Wyoming | N/A | N/A |
| 117 | A | ? | Premol4 | Izq. | 10mg | | 1887 OCC, 1888 CEJ | Wyoming | N/A | N/A |
| 118 | A | ? | Molar3 | Izq. | 10mg | | 1889 CEJ, 1890 OCC | Wyoming | N/A | N/A |
| 119 | A | ? | Premol4 | Izq. | 10mg | | 1891 CEJ, 1892 OCC | Wyoming | N/A | N/A |
| 120 | A | ? | Molar1 | Izq. | 10mg | | 1842 OCC, 1843 CEJ | Wyoming | N/A | N/A |
| 121 | A | ? | Molar2 | Der. | 10mg | | 1840 OCC, 1841 CEJ | Wyoming | N/A | N/A |
| 122 | A | ? | Molar1 | Der. | 10mg | | 1893 CEJ, 1894 OCC | Wyoming | N/A | N/A |
| 123 | A | ? | Molar2 | Der. | 10mg | | 1895 CEJ, 1896 OCC | Wyoming | N/A | N/A |
| 124 | C | ? | Molar1 | Der. | 10mg | | 1897 CEJ, 1898 OCC | Wyoming | N/A | N/A |
| 125 | C | ? | Molar2 | Izq. | 10mg | | 2696 BULK | Yale | N/A | N/A |
| 126 | A | M | Molar1 | Der. | 10mg | | 1899 CEJ, 1900 OCC | Wyoming | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

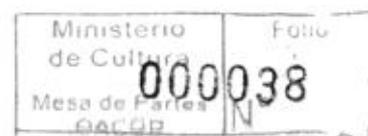
BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 113 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 114 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 115 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 116 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 117 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 118 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 119 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 120 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 121 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 122 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 123 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 124 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 125 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 126 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=roda la superficie. OCC=oclusal
CEI=unión cemento-esmalte



| Código de exportación | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-----------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 113 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 114 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 115 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 116 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 117 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 118 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 119 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 120 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 121 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 122 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 123 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 124 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 125 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 126 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK= toda la superficie. OCC=occlusal
CEJ=unión cemento-esmalte



| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 113 | OCC | 20170093.114 | -3.3 | -8.4 | | CEJ |
| 114 | OCC | 20170212.017 | -3.7 | -11.1 | | CEJ |
| 115 | OCC | 20170212.038 | -3.5 | -11.2 | | CEJ |
| 116 | OCC | 20170212.040 | -2.4 | -8.8 | | CEJ |
| 117 | OCC | 20170212.041 | -5.5 | -8.8 | | CEJ |
| 118 | OCC | 20170212.044 | -3.8 | -10.8 | | CEJ |
| 119 | OCC | 20170212.046 | -5.1 | -10.2 | | CEJ |
| 120 | OCC | 20170212.021 | -5.2 | -14.1 | Amplitud por debajo del umbral para datos fiables | CEJ |
| 121 | OCC | 20170212.019 | -3.8 | -11.4 | | CEJ |
| 122 | OCC | 20170212.048 | -4.5 | -8.9 | | CEJ |
| 123 | OCC | 20170212.050 | -3.4 | -8.5 | | CEJ |
| 124 | OCC | 20170212.052 | -4.4 | -7.8 | | CEJ |
| 125 | BULK | Yale 18-240 | -4.92 | -8.90 | | N/A |
| 126 | OCC | 20170212.054 | -5.7 | -9.4 | | CEJ |

N/A = no se aplica
 n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
 CEJ=unión cemento-esmalte



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{pp}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|---------------------|-------------------------|---|--------------------------------------|-----------------------|
| 113 | 20170093.115 | -2.4 | -8.3 | | N/A | N/A |
| 114 | 20170212.018 | -3.3 | -8.6 | | N/A | N/A |
| 115 | 20170212.037 | -3.4 | -12.3 | | N/A | N/A |
| 116 | 20170212.039 | -2.4 | -12.0 | | N/A | N/A |
| 117 | 20170212.042 | -4.0 | -8.9 | | N/A | N/A |
| 118 | 20170212.043 | -3.3 | -7.7 | | N/A | N/A |
| 119 | 20170212.045 | -4.4 | -9.7 | | N/A | N/A |
| 120 | 20170212.022 | -4.8 | -16.1 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 121 | 20170212.020 | -2.8 | -8.7 | | N/A | N/A |
| 122 | 20170212.047 | -3.7 | -9.1 | | N/A | N/A |
| 123 | 20170212.049 | -2.2 | -8.4 | | N/A | N/A |
| 124 | 20170212.051 | -4.3 | -13.1 | Amplitud por debajo del umbral para datos fiables | N/A | N/A |
| 125 | N/A | N/A | N/A | | N/A | N/A |
| 126 | 20170212.053 | -5.3 | -11.9 | | N/A | N/A |



| Código de exportación n | $\delta^{13}C_{op}$ | $\delta^{18}O$ carb PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | ^{14}C age | \pm |
|----------------------------|---------------------|----------------------------|---|-----------------------|---------------------|----------------------------|--------------|-------|
| 113 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 114 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 115 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 116 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 117 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 118 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 119 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 120 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 121 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 122 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 123 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 124 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 125 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 126 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 113 | N/A | N/A | N/A | N/A | N/A | N/A |
| 114 | N/A | N/A | N/A | N/A | N/A | N/A |
| 115 | N/A | N/A | N/A | N/A | N/A | N/A |
| 116 | N/A | N/A | N/A | N/A | N/A | N/A |
| 117 | N/A | N/A | N/A | N/A | N/A | N/A |
| 118 | N/A | N/A | N/A | N/A | N/A | N/A |
| 119 | N/A | N/A | N/A | N/A | N/A | N/A |
| 120 | N/A | N/A | N/A | N/A | N/A | N/A |
| 121 | N/A | N/A | N/A | N/A | N/A | N/A |
| 122 | N/A | N/A | N/A | N/A | N/A | N/A |
| 123 | N/A | N/A | N/A | N/A | N/A | N/A |
| 124 | N/A | N/A | N/A | N/A | N/A | N/A |
| 125 | N/A | N/A | N/A | N/A | N/A | N/A |
| 126 | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes
OACGD
N° 000033

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|----------------------|-------------------|----------------|-------------|
| 127 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 37 | 20+ |
| 128 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 38 | 50+ |
| 129 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 38 | 50+ |
| 130 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 39 | 50+ |
| 131 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 39 | 50+ |
| 132 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 40 | 23-30 |
| 133 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 40 | 23-30 |
| 134 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 40 | 23-30 |
| 135 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 42 | 20+ |
| 136 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 42 | 20+ |
| 137 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 43 | 20+ |
| 138 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 43 | 20+ |
| 139 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 44 | 50+ |
| 140 | Huari | Monqachayoq | 2.2 | F2.F1-F2 | UNSCH | B.B | I.I | 2,3 | 20-9-2013, 23-9-2013 | N/A | 47 | 10-12 |

N/A = no se aplica
n.d. = no hay datos

BULK = toda la superficie: OCC=oclusal
CE = hueso cemento-vascular



| Código de exportación n | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (% airc) |
|-------------------------|---|----------------|---------------|------|------|---|--------------------------------|---------------------------|-----------------------|----------------------------|
| 127 | A | M | Molar2 | Izq. | 10mg | | 1901 CEJ, 1902 OCC | Wyoming | N/A | N/A |
| 128 | OA | ? | Premol4 | Der. | 10mg | | 1903 CEJ, 1904 OCC | Wyoming | N/A | N/A |
| 129 | OA | ? | Molar1 | Der. | 10mg | | 1905 CEJ, 1906 OCC | Wyoming | N/A | N/A |
| 130 | OA | ? | Premol4 | Izq. | 10mg | | 1866 CEJ, 1867 OCC | Wyoming | N/A | N/A |
| 131 | OA | ? | Molar1 | Izq. | 10mg | | 1868 CEJ, 1869 OCC | Wyoming | N/A | N/A |
| 132 | YA | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 133 | YA | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 134 | YA | ? | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 135 | A | ? | Premol4 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 136 | A | ? | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 137 | A | ? | PMolar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 138 | A | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 139 | OA | ? | PMolar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 140 | C | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 127 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 128 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 129 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 130 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 131 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 132 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 133 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 134 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 135 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 136 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 137 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 138 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 139 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 140 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACGD
Folio 000030

| Código de exportación | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-----------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 127 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 128 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 129 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 130 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 131 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 132 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 133 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 134 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 135 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 136 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 137 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 138 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 139 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 140 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BLCK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|-------------------------|--|--------------------------------------|
| 127 | OCC | 20170212.056 | -4.5 | -9.0 | Criterios de QAQC tolerancia exterior. Úselo con precaución. | CEJ |
| 128 | OCC | 20170212.058 | -5.3 | -10.3 | | CEJ |
| 129 | OCC | 20170212.060 | -5.1 | -12.5 | | CEJ |
| 130 | OCC | 20170212.024 | -3.8 | -9.2 | | CEJ |
| 131 | OCC | 20170212.026 | -4.6 | -9.1 | | CEJ |
| 132 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 133 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 134 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 135 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 136 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 137 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 138 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 139 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 140 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEI) | Código de laboratorio |
|-----------------------|-----------------------|---------------------|-------------------------|----------------------------|--------------------------------------|-----------------------|
| 127 | 20170212.055 | -3.3 | -8.9 | | N/A | N/A |
| 128 | 20170212.057 | -5.6 | -16.8 | | N/A | N/A |
| 129 | 20170212.059 | -4.0 | -8.3 | | N/A | N/A |
| 130 | 20170212.023 | -2.6 | -9.4 | | N/A | N/A |
| 131 | 20170212.025 | -4.0 | -9.3 | | N/A | N/A |
| 132 | N/A | n.d. | n.d. | | N/A | N/A |
| 133 | N/A | n.d. | n.d. | | N/A | N/A |
| 134 | N/A | n.d. | n.d. | | N/A | N/A |
| 135 | N/A | n.d. | n.d. | | N/A | N/A |
| 136 | N/A | n.d. | n.d. | | N/A | N/A |
| 137 | N/A | n.d. | n.d. | | N/A | N/A |
| 138 | N/A | n.d. | n.d. | | N/A | N/A |
| 139 | N/A | n.d. | n.d. | | N/A | N/A |
| 140 | N/A | n.d. | n.d. | | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEI=unión cemento-esmalte



| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb PDB}$ | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb PDB}$ | ^{14}C age | \pm |
|-------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 127 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 128 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 129 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 130 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 131 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 132 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 133 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 134 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 135 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 136 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 137 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 138 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 139 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 140 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie: OCC=oclusal
CEJ=unión cemento-esmalte



Apéndice A: Lista de Muestras

Dra. Tiffany Tung

| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 127 | N/A | N/A | N/A | N/A | N/A | N/A |
| 128 | N/A | N/A | N/A | N/A | N/A | N/A |
| 129 | N/A | N/A | N/A | N/A | N/A | N/A |
| 130 | N/A | N/A | N/A | N/A | N/A | N/A |
| 131 | N/A | N/A | N/A | N/A | N/A | N/A |
| 132 | N/A | N/A | N/A | N/A | N/A | N/A |
| 133 | N/A | N/A | N/A | N/A | N/A | N/A |
| 134 | N/A | N/A | N/A | N/A | N/A | N/A |
| 135 | N/A | N/A | N/A | N/A | N/A | N/A |
| 136 | N/A | N/A | N/A | N/A | N/A | N/A |
| 137 | N/A | N/A | N/A | N/A | N/A | N/A |
| 138 | N/A | N/A | N/A | N/A | N/A | N/A |
| 139 | N/A | N/A | N/A | N/A | N/A | N/A |
| 140 | N/A | N/A | N/A | N/A | N/A | N/A |



N/A = no se aplica
n.d. = no hay datos

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de coleccion | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|------|----------|-------|----------------------|-------------------|----------------|-------------|
| 141 | Huari | Monqachayoq | 2,2 | F2,F1-F2 | UNSCH | B,B | I,I | 2,3 | 20-9-2013, 23-9-2013 | N/A | 47 | 10-12 |
| 142 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 23-9-2013 | N/A | 48 | 20+ |
| 143 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 49 | 22-30 |
| 144 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 49 | 22-30 |
| 145 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 50 | 12-15 |
| 146 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 50 | 12-15 |
| 147 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 50 | 12-15 |
| 148 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 51 | 50+ |
| 149 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 51 | 50+ |
| 150 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 52 | 20-27 |
| 151 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 52 | 20-27 |
| 152 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 52 | 20-27 |
| 153 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 53 | 50+ |
| 154 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 53 | 50+ |

N/A = no se aplica
n.d. = no hay datos

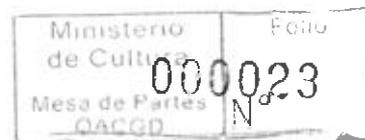
BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M,F,?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (‰o aire) |
|-----------------------|---|--------------|---------------|------|------|---|--------------------------------|---------------------------|-----------------------|-----------------------------|
| 141 | C | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 142 | A | M? | PMolar3 | Izq. | 10mg | | 1545 OCC, 2677 BULK | Wyoming y Yale | N/A | N/A |
| 143 | YA | ? | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 144 | YA | ? | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 145 | T | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 146 | T | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 147 | T | ? | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 148 | OA | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 149 | OA | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 150 | YA | ? | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 151 | YA | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 152 | YA | ? | Molar3 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 153 | OA | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 154 | OA | ? | Premolar4 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

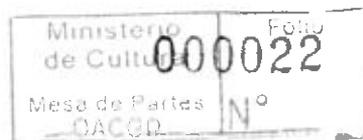
BULK=toda la superficie. OCC=oclusal
CEJ=frontera cemento-esmalte



| Código de exportación n | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-------------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 141 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 142 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 143 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 144 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 145 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 146 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 147 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 148 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 149 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 150 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 151 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 152 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 153 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 154 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplican
n.d. = no hay datos

BULK = toda la superficie. OCC = occlusal
CEJ = unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | $\delta^{15}\text{N}$ (‰ aire) | $\delta^{13}\text{C}$ (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|--------------------------------|--------------------------------|----------|----------|----------------------|------------|
| 141 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 142 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 143 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 144 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 145 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 146 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 147 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 148 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 149 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 150 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 151 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 152 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 153 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 154 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-estalle



| Código de exportación n | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|---|--------------------------------------|
| 141 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 142 | OCC | 20170093,021 | -4.5 | -10.4 | Amplitud por debajo del umbral para datos fiables | BULK |
| 143 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 144 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 145 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 146 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 147 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 148 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 149 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 150 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 151 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 152 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 153 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 154 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |

N/A = no se aplica
n.d. = no hay datos

BULK=todo la superficie; OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-----------------------|-----------------------|---------------------|---------------------------|----------------------------|--------------------------------------|-----------------------|
| 141 | N/A | n.d. | n.d. | | N/A | N/A |
| 142 | Yale 18-240 | -5.11 | -9.47 | | N/A | N/A |
| 143 | N/A | n.d. | n.d. | | N/A | N/A |
| 144 | N/A | n.d. | n.d. | | N/A | N/A |
| 145 | N/A | n.d. | n.d. | | N/A | N/A |
| 146 | N/A | n.d. | n.d. | | N/A | N/A |
| 147 | N/A | n.d. | n.d. | | N/A | N/A |
| 148 | N/A | n.d. | n.d. | | N/A | N/A |
| 149 | N/A | n.d. | n.d. | | N/A | N/A |
| 150 | N/A | n.d. | n.d. | | N/A | N/A |
| 151 | N/A | n.d. | n.d. | | N/A | N/A |
| 152 | N/A | n.d. | n.d. | | N/A | N/A |
| 153 | N/A | n.d. | n.d. | | N/A | N/A |
| 154 | N/A | n.d. | n.d. | | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACGP
000019
Folio N°

N/A = no se aplica
n.d. = no hay datos

BUJ/K=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte

| Código de exportación n | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O$ carb PDB | ^{14}C age | \pm |
|-------------------------|---------------------|-------------------------|--------------------------------------|-----------------------|---------------------|-------------------------|--------------|-------|
| 141 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 142 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 143 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 144 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 145 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 146 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 147 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 148 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 149 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 150 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 151 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 152 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 153 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 154 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie OCC=oclusal
CEJ=union cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 141 | N/A | N/A | N/A | N/A | N/A | N/A |
| 142 | N/A | N/A | N/A | N/A | N/A | N/A |
| 143 | N/A | N/A | N/A | N/A | N/A | N/A |
| 144 | N/A | N/A | N/A | N/A | N/A | N/A |
| 145 | N/A | N/A | N/A | N/A | N/A | N/A |
| 146 | N/A | N/A | N/A | N/A | N/A | N/A |
| 147 | N/A | N/A | N/A | N/A | N/A | N/A |
| 148 | N/A | N/A | N/A | N/A | N/A | N/A |
| 149 | N/A | N/A | N/A | N/A | N/A | N/A |
| 150 | N/A | N/A | N/A | N/A | N/A | N/A |
| 151 | N/A | N/A | N/A | N/A | N/A | N/A |
| 152 | N/A | N/A | N/A | N/A | N/A | N/A |
| 153 | N/A | N/A | N/A | N/A | N/A | N/A |
| 154 | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes QACGD
000017
Folio No

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|---------|----------|-------|---------------------|-------------------|----------------|-------------|
| 155 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 53 | 50+ |
| 156 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 56 | 7-10 |
| 157 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | B | I | 3 | 24-9-2013 | N/A | 56 | 7-10 |
| 158 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 54 | 19-42 |
| 159 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 54 | 19-42 |
| 160 | Huari | Monqachayoq | 2 | F2 | UNSCH | B | I | 2 | 20-9-2013 | N/A | 54 | 19-42 |
| 161 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A,B | \ | \ | 2013 | N/A | 57 | 17-23 |
| 162 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A,B | \ | \ | 2013 | N/A | 57 | 17-23 |
| 163 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | A,B | \ | \ | 2013 | N/A | 57 | 17-23 |
| 164 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 60 | 15-21 |
| 165 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 60 | 15-21 |
| 166 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 60 | 15-21 |
| 167 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 61 | 21-30 |
| 168 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 61 | 21-30 |

N/A = no se aplica
n.d. = no hay datos

BUIA = toda la superficie, OCC = oclusal
CEJ = unión cemento-esmalte



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Oseo | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSIRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (‰ aire) |
|-----------------------|---|----------------|---------------|------|------|---|--------------------------------|---------------------------|-----------------------|----------------------------|
| 155 | OA | ? | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 156 | C | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 157 | C | ? | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 158 | YA-MA | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 159 | YA-MA | ? | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 160 | YA-MA | ? | Molar3 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 161 | T-YA | ? | Molar1 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 162 | T-YA | ? | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 163 | T-YA | ? | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 164 | T-YA | M | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 165 | T-YA | M | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 166 | T-YA | M | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 167 | YA | M | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 168 | YA | M | Molar2 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie: OCC=oclusal
CE=Fundido cemento-esmalte



| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 155 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 156 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 157 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 158 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 159 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 160 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 161 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 162 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 163 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 164 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 165 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 166 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 167 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 168 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (% aire) | d ¹³ C (% VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|----------------------|------------|
| 155 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 156 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 157 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 158 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 159 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 160 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 161 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 162 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 163 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 164 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 165 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 166 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 167 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 168 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=todos la superficie. OCC=oclusal
CEI=unión cemento-enualle



| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|---------------------------|----------------------------|--------------------------------------|
| 155 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 156 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 157 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 158 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 159 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 160 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 161 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 162 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 163 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 164 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 165 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 166 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 167 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 168 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie: OCC=occlusal
CEJ=unión cemento-esmalte



| Código de exportación n | Código de laboratorio | $\delta^{13}C_{app}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de dicte (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|----------------------|-------------------------|----------------------------|-------------------------------------|-----------------------|
| 155 | N/A | n.d. | n.d. | | N/A | N/A |
| 156 | N/A | n.d. | n.d. | | N/A | N/A |
| 157 | N/A | n.d. | n.d. | | N/A | N/A |
| 158 | N/A | n.d. | n.d. | | N/A | N/A |
| 159 | N/A | n.d. | n.d. | | N/A | N/A |
| 160 | N/A | n.d. | n.d. | | N/A | N/A |
| 161 | N/A | n.d. | n.d. | | N/A | N/A |
| 162 | N/A | n.d. | n.d. | | N/A | N/A |
| 163 | N/A | n.d. | n.d. | | N/A | N/A |
| 164 | N/A | n.d. | n.d. | | N/A | N/A |
| 165 | N/A | n.d. | n.d. | | N/A | N/A |
| 166 | N/A | n.d. | n.d. | | N/A | N/A |
| 167 | N/A | n.d. | n.d. | | N/A | N/A |
| 168 | N/A | n.d. | n.d. | | N/A | N/A |

Ministerio de Cultura
 Mesa de Partes OACGD
 Folio 000011
 N°

N/A = no se aplica
 n.d. = no hay datos

BULK=toda la superficie, OCC=oclusal
 CEJ=unión cemento-estirpe

| Código de exportación | $\delta^{13}C_{op}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-----------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 155 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 156 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 157 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 158 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 159 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 160 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 161 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 162 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 163 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 164 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 165 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 166 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 167 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 168 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie: OCC=oclusal
CEJ=unión cemento-esmalte



| Código de exportación | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-----------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 155 | N/A | N/A | N/A | N/A | N/A | N/A |
| 156 | N/A | N/A | N/A | N/A | N/A | N/A |
| 157 | N/A | N/A | N/A | N/A | N/A | N/A |
| 158 | N/A | N/A | N/A | N/A | N/A | N/A |
| 159 | N/A | N/A | N/A | N/A | N/A | N/A |
| 160 | N/A | N/A | N/A | N/A | N/A | N/A |
| 161 | N/A | N/A | N/A | N/A | N/A | N/A |
| 162 | N/A | N/A | N/A | N/A | N/A | N/A |
| 163 | N/A | N/A | N/A | N/A | N/A | N/A |
| 164 | N/A | N/A | N/A | N/A | N/A | N/A |
| 165 | N/A | N/A | N/A | N/A | N/A | N/A |
| 166 | N/A | N/A | N/A | N/A | N/A | N/A |
| 167 | N/A | N/A | N/A | N/A | N/A | N/A |
| 168 | N/A | N/A | N/A | N/A | N/A | N/A |

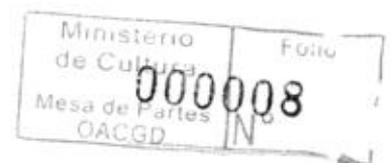
Ministerio de Cultura
Mesa de Partes
CACQP

Foto
000009
N°

N/A = no se aplica
n.d. = no hay datos

BULK=toda la superficie. OCC=exclusal
CE=unión cemento-esmalte

| Código de exportación | Sitio | Sector de Sitio | Sector | Subsector | Ubicación de colección | Capa | Contexto | Nivel | Fecha de excavación | Código del Cráneo | Código de Mand | Edad (años) |
|-----------------------|-------|-----------------|--------|-----------|------------------------|---------|----------|-------|---------------------|-------------------|----------------|-------------|
| 169 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 61 | 21-30 |
| 170 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | \ | I | 2 | 2013 | N/A | 63 | 18-21 |
| 171 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | \ | I | 2 | 2013 | N/A | 63 | 18-21 |
| 172 | Huari | Monqachayoq | 2 | F1-F2 | UNSCH | \ | I | 2 | 2013 | N/A | 63 | 18-21 |
| 173 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 67 | 35-50 |
| 174 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 67 | 35-50 |
| 175 | Huari | Monqachayoq | 2 | E3 | UNSCH | moderna | \ | \ | 2013 | N/A | 67 | 35-50 |
| 176 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 68 | 35+ |
| 177 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 68 | 35+ |
| 178 | Huari | Monqachayoq | 2 | E3-E2 | UNSCH | A | \ | I | 16-09-2013 | N/A | 68 | 35+ |



| Código de exportación | Código de edad (I, C, T, YA, MA, OA or A) | Sexo (M, F, ?) | Diente o Osco | Lado | Peso | Comentarios y correcciones hechos en los Estados Unidos | Código de VBSJRL | Laboratorio de Mass Spec. | Código de laboratorio | d ¹⁵ N (‰ aire) |
|-----------------------|---|----------------|---------------|------|------|---|--------------------------------|---------------------------|-----------------------|----------------------------|
| 169 | YA | M | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 170 | YA | M | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 171 | YA | M | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 172 | YA | M | Molar3 | Izq. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 173 | MA | ? | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 174 | MA | ? | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 175 | MA | ? | Molar3 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 176 | MA | M | Molar1 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 177 | MA | M | Molar2 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |
| 178 | MA | M | Molar3 | Der. | 10mg | | El diente no ha sido procesado | N/A | N/A | N/A |



| Código de exportación | d ¹³ C (‰ VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (‰ aire) | d ¹³ C (‰ VPDB) | % peso N | % peso C |
|-----------------------|----------------------------|----------|----------|----------------------|------------|-----------------------|----------------------------|----------------------------|----------|----------|
| 169 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 170 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 171 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 172 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 173 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 174 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 175 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 176 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 177 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 178 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |



| Código de exportación n | C/N relación atómica | C/N % peso | Código de laboratorio | d ¹⁵ N (%m aire) | d ¹³ C (%m VPDB) | % peso N | % peso C | C/N relación atómica | C/N % peso |
|-------------------------|----------------------|------------|-----------------------|-----------------------------|-----------------------------|----------|----------|----------------------|------------|
| 169 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 170 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 171 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 172 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 173 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 174 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 175 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 176 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 177 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 178 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Ministerio de Cultura
Mesa de Partes OACGD
Folio 000005

| Código de exportación | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) |
|-----------------------|--------------------------------------|-----------------------|---------------------|---------------------------|----------------------------|--------------------------------------|
| 169 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 170 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 171 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 172 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 173 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 174 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 175 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 176 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 177 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |
| 178 | El diente no ha sido procesado | N/A | n.d. | n.d. | | El diente no ha sido procesado |

Ministerio de Cultura **000004** Folio
Mesa de Partes QACGD N°

| Código de exportación n | Código de laboratorio | $\delta^{13}C_{app}$ | $\delta^{18}O$ carb PDB | Comentarios de laboratorio | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio |
|-------------------------|-----------------------|----------------------|-------------------------|----------------------------|--------------------------------------|-----------------------|
| 169 | N/A | n.d. | n.d. | | N/A | N/A |
| 170 | N/A | n.d. | n.d. | | N/A | N/A |
| 171 | N/A | n.d. | n.d. | | N/A | N/A |
| 172 | N/A | n.d. | n.d. | | N/A | N/A |
| 173 | N/A | n.d. | n.d. | | N/A | N/A |
| 174 | N/A | n.d. | n.d. | | N/A | N/A |
| 175 | N/A | n.d. | n.d. | | N/A | N/A |
| 176 | N/A | n.d. | n.d. | | N/A | N/A |
| 177 | N/A | n.d. | n.d. | | N/A | N/A |
| 178 | N/A | n.d. | n.d. | | N/A | N/A |



| Código de exportación | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | Sección de diente (Bulk, OCC, o CEJ) | Código de laboratorio | $\delta^{13}C_{ap}$ | $\delta^{18}O_{carb}$ PDB | ^{14}C age | \pm |
|-----------------------|---------------------|---------------------------|--------------------------------------|-----------------------|---------------------|---------------------------|--------------|-------|
| 169 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 170 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 171 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 172 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 173 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 174 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 175 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 176 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 177 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 178 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |



Apéndice A: Lista de Muestras

Dra. Tiffany Tung

| Código de exportación n | Fecha de calibrado (2 sigma) | Comentarios | Laboratorio | Sexo de ADN antiguo | Haplogrupo | % de ADN endógeno |
|-------------------------|------------------------------|-------------|-------------|---------------------|------------|-------------------|
| 169 | N/A | N/A | N/A | N/A | N/A | N/A |
| 170 | N/A | N/A | N/A | N/A | N/A | N/A |
| 171 | N/A | N/A | N/A | N/A | N/A | N/A |
| 172 | N/A | N/A | N/A | N/A | N/A | N/A |
| 173 | N/A | N/A | N/A | N/A | N/A | N/A |
| 174 | N/A | N/A | N/A | N/A | N/A | N/A |
| 175 | N/A | N/A | N/A | N/A | N/A | N/A |
| 176 | N/A | N/A | N/A | N/A | N/A | N/A |
| 177 | N/A | N/A | N/A | N/A | N/A | N/A |
| 178 | N/A | N/A | N/A | N/A | N/A | N/A |



N/A = no se aplica
n.d. = no hay datos

BULK=todn la superficie. OCC=oclusal
CEI=unión cemento-esmalte