

## Kostienki 12 <sup>14</sup>C samples

Kostenki 12, Voronezh region, 51:23.43N 39:02.09E, Russia

|        |               |               |          |          |            |             |
|--------|---------------|---------------|----------|----------|------------|-------------|
| P17580 | OxA-X-2158-14 | EFD5C505, N1  | charcoal | layer 12 | d13C=-22.4 | 31760 ± 230 |
| P17581 |               | EFD5C505, N2  | charcoal | layer 12 |            | Limbo       |
| P17582 |               | EFD5C505, N3  | charcoal | layer 12 |            | Limbo       |
| P17583 |               | EFD5C505, N4  | charcoal | layer 12 |            | Limbo       |
| P17584 |               | EFD5C505, N5  | charcoal | layer 12 |            | Limbo       |
| P17585 |               | EFD5C505, N6  | charcoal | layer 12 |            | Limbo       |
| P17586 |               | EFD5C505, N7  | charcoal | layer 12 |            | Limbo       |
| P17587 | OxA-15482     | EFD5C512, N8  | charcoal | layer 12 | d13C=-24.0 | 35820 ± 230 |
| P17588 | OxA-15555     | EFD5C513, N9  | charcoal | layer 14 | d13C=-24.9 | 35540 ± 260 |
| P17589 | OxA-X-2158-15 | EFD5C514, N10 | charcoal | layer 18 | d13C=-21.7 | 34710 ± 330 |
| P17590 |               | EFD5C515, N11 | charcoal | layer 18 |            | Limbo       |
| P17591 | OxA-15556     | EFD5C516, N12 | charcoal | layer 18 | d13C=-23.1 | 41300 ± 450 |
| P17592 | OxA-          | EFD5C517, N13 | charcoal | layer 18 | d13C=-21.1 | 38410 ± 300 |

## Malaya Vorontsovskaya <sup>14</sup>C samples

Malaya Vorontsovskaya, 43:37.765N 39:54.738E, Russia

|        |               |          |          |                  |            |              |
|--------|---------------|----------|----------|------------------|------------|--------------|
| P16814 | OxA-14725     | EFD4C097 | bone     | layer 3 upper    | d13C=-19.7 | 43400 ± 1500 |
| P17593 | OxA-X-2158-17 | EFD5C518 | charcoal | Sq. E2, layer 2a | d13C=-22.1 | 24820 ± 130  |
| P17594 | OxA-X-2158-18 | EFD5C519 | charcoal | layer 3          | d13C=-25.5 | 31510 ± 200  |
| P17595 | OxA-15436     | EFD5C520 | charcoal | Sq. E2, layer 3  | d13C=-21.3 | 34840 ± 800  |

## Navalishenskaya <sup>14</sup>C samples

Navalishenskaya, Sochi region, 43:33.188N 39:55.857E, Russia

|        |           |          |          |                   |            |              |
|--------|-----------|----------|----------|-------------------|------------|--------------|
| P16813 | OxA-14762 | EFD4C071 | charcoal | Ash below layer 4 | d13C=-24.4 | 50000 ± 1200 |
|--------|-----------|----------|----------|-------------------|------------|--------------|

## Kabazi V <sup>14</sup>C samples

Kabazi V, Western Crimea, 44:50.228N 34:01.979W, Ukraine

|        |               |          |              |                                   |            |                                   |
|--------|---------------|----------|--------------|-----------------------------------|------------|-----------------------------------|
| P16823 | OxA-14726     | EFD4C436 | charcoal     |                                   | d13C=-22.8 | 38780 ± 360                       |
| P16820 | OxA-X-2134-45 | EFD4C420 | charred bone | Sq. 6B, III/1A,<br>Geol. layer 12 | d13C=-24.4 | 2.1 ± 0.1%mod<br>(30980 ± 220 BP) |