**SI Table 1. Stable isotope and radiocarbon results for humans and animals of the Afanasyevo to Tagar Cultures (Bronze Age and Early Iron Age) from the Minusinsk Basin, Southern Siberia**

Contextual and pretreatment details are presented in [3,4].

The radiocarbon ages were calibrated using IntCal13 calibration curve (<http://calib.org/calib/>).

| **IDs** | **Bone sampled** | **δ15N, ‰** | **δ13C, ‰** | **C:Nat** | **Sex, age / species** | **14C BP** | **Cal. age (2σ)** | **Provenance** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Afanasyevo Culture* |
| SS 6136-2 | r. femur | 11.7 | -19.0 | 3.4 | n/a |  |  | Afanasyeva Mountain, b. 72 |
| SS 6136-3 (UB-7489) | r. scapula | 12.2 | -18.6 | 3.3 | ♂, 25 | 4077±39 | 2860-2489 BC | Afanasyeva Mountain, b. 73 |
| SS 6136-5 | cranium, mandibula | 12.2 | -19.2 | 3.4 | ♀, 25 |  |  | Afanasyeva Mountain, b. 73 |
| SS 6136-6 | l. scapula | 12.4 | -19.1 | 3.5 | ♀, 25 |  |  | Afanasyeva Mountain, b. 73 |
| SS 6136-7 (UBA-7903) | sacrum | 12.6 | -19.3 | 3.5 | ♀, 35 | 4037±31 | 2831-2473 BC | Afanasyeva Mountain, b. 73 |
| SS 6136-10 (UBA-8772) | l. scapula | 13.5 | -19.1 | 3.3 | ♀, 45 | 4092±27 | 2858-2502 BC | Afanasyeva Mountain, b. 75 |
| SS 6136-9 | mandibula | 13.2 | -18.9 | 3.5 | ♀, 25 |  |  | Afanasyeva Mountain, b. 75 |
| SS 6612-2 | r. tibia | 11.3 | -19.1 | 3.4 | ♂, 25 |  |  | Karasuk III, encl. 1, g. 1, sk. 2 |
| SS 6612-4 | cranium | 11.5 | -19.2 | 3.5 | ♂? |  |  | Karasuk III, encl. 1, g. 2, sk. 1 |
| SS 6612-5 (UBA-8773) | cranium | 11.2 | -19.3 | 3.5 | ♂, 35 | 3996±26 | 2572-2470 BC | Karasuk III, encl. 1, g. 2, sk. 2 |
| SS 6612-6 (UBA-8774) | l. radius | 10.8 | -19.3 | 3.4 | n/a | 4148±26 | 2874-2631 BC | Karasuk III, encl. 1, g. 3, sk. 1 |
| SS 6612-22 | scapulae | 11.2 | -19.3 | 3.5 | ♀, 45 |  |  | Karasuk III, encl. 12, g. 1, sk. 1 |
| SS 6612-32 | l. tibia | 11.3 | -19.9 | 3.6 | n/a |  |  | Karasuk III, encl. 10, g. 1 |
| SS 6612-33 | l. scapula | 11.9 | -18.6 | 3.3 | ♀, 20 |  |  | Karasuk III, encl. 11, g. 1, sk. 1 |
| SS 6612-34 | r. ulna | fail - C:Nat | ♂, 25 |  |  | Karasuk III, encl. 13, g. 1, sk. 1 |
| SS 6612-35 | r. ulna | 11.6 | -19.3 | 3.4 | n/a |  |  | Karasuk III, encl. 13, g. 1, sk. 2 |
| SS 6612-36 | l. scapula | 12.0 | -18.8 | 3.4 | ♂, 25 |  |  | Karasuk III, encl. 14, g. 1, sk. 1 |
| SS 6612-8 | cranium, mandibula | 11.1 | -19.6 | 3.6 | ♀?, 25 |  |  | Karasuk III, encl. 2, g. 1, sk. 2 |
| SS 6612-9 | l. radius | 11.9 | -18.5 | 3.4 | ♂, 25 |  |  | Karasuk III, encl. 2, g. 1, sk. 3 |
| SS 6612-10 | l. radius | 11.1 | -19.0 | 3.3 | ♀?, 20 |  |  | Karasuk III, encl. 2, g. 1, sk. 4 |
| SS 6612-12 | l.scapula | 11.2 | -19.0 | 3.3 | ♂, 30 |  |  | Karasuk III, encl. 2, g. 2, sk. 2 |
| SS 6612-14 | l. radius | 10.6 | -19.5 | 3.6 | n/a |  |  | Karasuk III, encl. 3, g. 1, sk. 1 |
| SS 6612-19 | r. scapula | fail - C:Nat | ♀, 45+ |  |  | Karasuk III, encl. 4, g. 3, sk. 1 |
| SS 6612-37 | r. ulna | 10.8 | -19.2 | 3.4 | ♀, 20 |  |  | Karasuk III, encl. 5, g. 1, sk. 1 |
| SS 6612-23 | l. scapula | 11.8 | -19.1 | 3.4 | ♂, 25 |  |  | Karasuk III, encl. 5, g. 2, sk. 1 |
| SS 6612-24 | l. scapula | 12.6 | -19.0 | 3.4 | ♂? |  |  | Karasuk III, encl. 6, g. 1, sk. 1 |
| SS 6612-29 | l. scapula | 11.4 | -18.7 | 3.3 | ♀, 20 |  |  | Karasuk III, encl. 8, g. 1, sk. 1 |
| SS 6612-30 | l. scapula | 11.5 | -19.1 | 3.4 | ♀, 25 |  |  | Karasuk III, encl. 9, g. 1, sk. 1 |
| SS 6612-31 | l. hip | 11.4 | -19.0 | 3.4 | ♀, 35 |  |  | Karasuk III, encl. 9, g. 2, sk. 1 |
| SS Le-1 | ? | 6.8 | -18.8 | 3.2 | goat young |  |  | Sukhanikha |
| SS Le-2 | scapula | 3.8 | -20.7 | 3.2 | goat  |  |  | Sukhanikha |
| SS Le-3 | ? | fail - no collagen | sheep |  |  | Sukhanikha |
| SS Le-4 | ? | 5.5 | -20.5 | 3.3 | deer young |  |  | Sukhanikha |
| SS Le-5 | ? | 4.3 | -21.3 | 3.3 | small deer/wild pig |  |  | Sukhanikha |
| SS Le-6 | ? | 3.8 | -20.8 | 3.3 | sheep/goat |  |  | Sukhanikha |
| SS Le-7 | ? | fail - no collagen | sheep |  |  | Sukhanikha |
| SS Le-8 | ? | 6.9 | -19.6 | 3.2 | sheep/goat/young deer |  |  | Sukhanikha |
| *Okunev Culture* |
| SS 6267-1 (UBA-8771) | l. humerus | 11.1 | -19.4 | 3.5 | ♀, 45 | 3853±35 | 2460-2206 BC | Bateni |
| SS 6160-4 (UBA-8783) | l. scapula | 12.7 | -18.9 | 3.3 | 30 | 3894±24 | 2466-2299 BC | Okunev Ulus, g. 1 |
| SS 6160-17 (UBA-8781) | mandibula | 10.4 | -18.7 | 3.6 | ♂, 30? | 3687±25 | 2190-1979 BC | Okunev Ulus, g. 5 |
| SS 6160-32 (UB-7494) | mandibula | 13.5 | -19.5 | 3.3 | ♂, 25 | 3757±35 | 2287-2040 BC | Okunev Ulus, g. 5 |
| SS 6160-33 (UBA-7927) | mandibula | 13.0 | -18.7 | 3.4 | ♂, 45 | 3725±38 | 2276-1984 BC | Okunev Ulus, g. 5 |
| SS 6160-34 (UBA-7929) | r. hip | 12.8 | -18.8 | 3.4 | ♀, 25 | 3619±40 | 2131-1885 BC | Okunev Ulus, g. 7 |
| SS 7053-124 | r. fibula | fail - C:Nat | n/a |  |  | Uibat III, k. 1, g. 1 (bottom), sk. 1 |
| SS 7053-125 | ? | fail - no collagen | ♀, 20 |  |  | Uibat III, k. 1, g. 1, cran. 1 |
| SS 7053-126 (UBA-7916) | cranium | 11.4 | -18.7 | 3.4 | ♀, 45 | 3644±44 | 2138-1902 BC | Uibat III, k. 1, g. 1, cran. 2 |
| SS 7053-127 | l. mastoid | 11.5 | -18.5 | 3.3 | ♂, 25 |  |  | Uibat III, k. 1, g. 1, cran. 3 |
| SS 7053-128 | mandibula | 11.2 | -18.5 | 3.3 | ♂, 40 |  |  | Uibat III, k. 1, g. 1, cran. 4 |
| SS 7053-129 | mandibula | 11.7 | -18.8 | 3.4 | ♀, 35 |  |  | Uibat III, k. 1, g. 1, mand. A |
| SS 7053-130 | mandibula | 11.3 | -19.0 | 3.5 | ♀ |  |  | Uibat III, k. 1, g. 1, mand. B |
| SS 7053-133 | mandibula | 12.5 | -18.6 | 3.5 | 25 |  |  | Uibat III, k. 1, g. 1, mand. D |
| SS 7053-132 | mandibula | 11.7 | -18.8 | 3.5 | ♂, 20 |  |  | Uibat III, k. 1, g. 1, mand. G |
| SS 7053-131 | mandibula | 11.6 | -18.1 | 3.3 | ♂, 20 |  |  | Uibat III, k. 1, g. 1, mand. V |
| SS 7053-134 | maxilla | fail - no collagen | 25 |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-135 | maxilla | fail - no collagen | 25 |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-136 | maxilla | 11.6 | -18.8 | 3.6 | 45 |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-147 | l. humerus | 12.3 | -19.3 | 3.5 | ♀? |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-148 | r. humerus | 11.9 | -19.0 | 3.4 | ♀? |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-149 | r. humerus | 11.4 | -18.3 | 3.3 | ♂ |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-150 | r. humerus | 11.2 | -18.6 | 3.3 | ♂ |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-151 | r. humerus | 12.2 | -18.5 | 3.3 | n/a |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-152 | r. humerus | 11.9 | -18.4 | 3.3 | ♂ |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-153 | l. humerus | 11.0 | -18.8 | 3.4 | ♂ |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-154 | l. humerus | 11.3 | -18.8 | 3.4 | n/a |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-155 | l. femur | 11.2 | -18.5 | 3.3 | n/a |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-156 | l. femur | 11.2 | -18.7 | 3.4 | ♂? |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-157 | l. femur | fail - no collagen | n/a |  |  | Uibat III, k. 1, g. 1 |
| SS 7053-158 | cranium | fail - no collagen | ♀?, 20 |  |  | Uibat III, k. 1, g. 2 |
| SS 7053-159 | l. scapula | 11.8 | -18.9 | 3.5 | ♂, 30 |  |  | Uibat III, k. 1, g. 3 |
| SS 7053-160 | cranium | 11.2 | -19.1 | 3.4 | ♀, 20 |  |  | Uibat III, k. 1, g. 4 |
| SS 7053-165 | cranium | 11.6 | -18.9 | 3.5 | ♀, 30 |  |  | Uibat III, k. 1, g. 6 |
| SS 7053-167 | l. hip | 12.2 | -19.0 | 3.5 | ♀, 45+ |  |  | Uibat III, k. 1, g. 8, sk. 1 |
| SS 7053-169 | r. tibia | fail - no collagen | ♂, 30 |  |  | Uibat V, k. 1, g. 1, sk. 1 |
| SS 7053-170 | r. radius | fail - no collagen | ♀, 20 |  |  | Uibat V, k. 1, g. 1a |
| SS 7053-171 | r. scapula | fail - no collagen | ♀, 20 |  |  | Uibat V, k. 1, g. 2 |
| SS 7053-172 | cranium | 11.5 | -18.7 | 3.4 | ♂, 35 |  |  | Uibat V, k. 1, g. 2a, sk. 2 |
| SS 7053-173 (UBA-7912) | cranium | 12.3 | -18.4 | 3.3 | ♂, 30 | 3723±30 | 2201-2033 BC | Uibat V, k. 1, g. 3 |
| SS 7053-175 | cranium | 11.8 | -18.8 | 3.4 | ♀, 25 |  |  | Uibat V, k. 1, g. 3a Va, sk. B |
| SS 7053-176 (UBA-7917) | cranium | 11.7 | -19.2 | 3.4 | ♀, 25 | 3832±28 | 2456-2154 BC | Uibat V, k. 1, g. 3a Va, sk. V |
| SS 7053-174 | l. hip | fail - no collagen | ♂, 20 |  |  | Uibat V, k. 1, g. 3a-5a, sk. A |
| SS 7053-177 | l. humerus | fail - C:Nat | ♂, 20 |  |  | Uibat V, k. 1, g. 4 |
| SS 7053-178 | r. scapula | fail - no collagen | ♂, 20 |  |  | Uibat V, k. 1, g. 5, sk. 1 |
| SS 7053-180 | cranium | 12.4 | -18.5 | 3.6 | ♂, 30 |  |  | Uibat V, k. 1, g. 8 |
| SS 7053-181 | r. scapula | fail - C:Nat | ♂, 40 |  |  | Uibat V, k. 2, g. 3, sk. 1 |
| SS 7053-182 | cranium | fail - no collagen | ♂, 20 |  |  | Uibat V, k. 2, g. 3, sk. 2 |
| SS 7053-183 (UBA-7963) | l. femur | 11.7 | -18.8 | 3.5 | ♀?, 20 | 3691±26 | 2193-1980 BC | Uibat V, k. 2, g. 4, sk. A |
| SS 7053-184 | l. humerus | fail - no collagen | 20 |  |  | Uibat V, k. 2, g. 4, sk. B |
| SS 7053-185 | r. tibia | 12.1 | -18.7 | 3.4 | ♀, 45 |  |  | Uibat V, k. 2, g. 4, upper sk. |
| SS 7053-187 | l. ilium | fail - no collagen | subad. |  |  | Uibat V, k. 3, sk. 2 |
| SS 7053-207 | mandibula | 11.5 | -18.9 | 3.4 | ♀, 25 |  |  | Uibat V, k. 4, g. 13 |
| SS 7053-208 | cranium | 12.2 | -19.1 | 3.6 | ♀, 35 |  |  | Uibat V, k. 4, g. 14 |
| SS 7053-209 | mandibula | 12.1 | -18.6 | 3.4 | ♂, 20 |  |  | Uibat V, k. 4, g. 15 |
| SS 7053-210 (UBA-7965) | r. scapula | 12.4 | -19.2 | 3.6 | ♀, 20 | 3651±25 | 2132-1944 BC | Uibat V, k. 4, g. 18. |
| SS 7053-213 | mandibula | fail - no collagen | ♂, 25 |  |  | Uibat V, k. 4, g. 20, sk. B. |
| SS 7053-215 (UBA-7915) | r. calcaneum | 12.1 | -18.9 | 3.4 | n/a | 3698±28 | 2196-1982 BC | Uibat V, k. 4, g. 21, sk. 2 |
| SS 7053-191 (UBA-7964) | cranium | 11.7 | -18.5 | 3.5 | ♀?, 30 | 3721±25 | 2198-2035 BC | Uibat V, k. 4, g. 4, cran. A. |
| SS 7053-196 | r. ulna | fail - no collagen | ♀, 20 |  |  | Uibat V, k. 4, g. 6, sk. 1 |
| SS 7053-200 | r. hip | fail - no collagen | ♀, 40 |  |  | Uibat V, k. 4, g. 7, sk. 3 |
| SS 7053-201 | cranium | 12.1 | -19.1 | 3.5 | ♂, 40 |  |  | Uibat V, k. 4, g. 8, sk. 1 |
| SS 7053-202 | cranium | 11.9 | -19.1 | 3.4 | ♀ |  |  | Uibat V, k. 4, g. 8, sk. 2 |
| SS 7053-203 | cranium | fail - no collagen | ♀ |  |  | Uibat V, k. 4, g. 8, sk. 3 |
| SS 7053-204 | cranium | fail - no collagen | ♀, 20 |  |  | Uibat V, k. 4, g. 9 |
| SS 7053-6 (UBA-7908) | r. femur | 12.0 | -18.5 | 3.3 | ♂ | 3719±31 | 2201-2030 BC | Verhniy Askiz I, k. 1, g. 10, sk. 1 |
| SS 7053-14 | cranium | 11.5 | -18.5 | 3.3 | ♀? |  |  | Verhniy Askiz I, k. 1, g. 12, sk. 1 |
| SS 7053-17 (UBA-7914) | mandibula | 11.7 | -19.0 | 3.5 | ♂, 25 | 3894±28 | 2466-2298 BC | Verhniy Askiz I, k. 1, g. 13, sk. 1 |
| SS 7053-20 | l. radius | 11.2 | -18.7 | 3.4 | n/a |  |  | Verhniy Askiz I, k. 1, g. 17, sk. 1 |
| SS 7053-24 | r. mastoid | 11.2 | -18.7 | 3.3 | ♂, 40 |  |  | Verhniy Askiz I, k. 1, g. 20, sk. 1 |
| SS 7053-121 | ? | fail - no collagen | ♀? |  |  | Verhniy Askiz I, k. 1, g. 21, sk. 3 |
| SS 7053-29 | cranium | 11.5 | -18.7 | 3.2 | ♀, 30 |  |  | Verhniy Askiz I, k. 1, g. 22 |
| SS 7053-1 | cranium | 11.8 | -18.7 | 3.3 | ♀, 45 |  |  | Verhniy Askiz I, k. 1, g. 3, sk. 1 (N) |
| SS 7053-2 | cranium | 11.6 | -18.7 | 3.3 | ♀, 20 |  |  | Verhniy Askiz I, k. 1, g. 3, sk. 2 (S) |
| SS 7053-4 (UBA-7910) | mandibula | 11.4 | -18.5 | 3.3 | ♀, 30 | 3654±29 | 2135-1943 BC | Verhniy Askiz I, k. 1, g. 6 |
| SS 7053-5 | mandibula | 11.7 | -19.0 | 3.4 | ♀, 20 |  |  | Verhniy Askiz I, k. 1, g. 9 |
| SS 7053-36 | r. clavicle | 10.9 | -18.6 | 3.3 | ♀, 40 |  |  | Verhniy Askiz I, k. 2, g. 1, sk. 4 (b. 3) |
| SS 7053-63 | r. femur | 12.2 | -18.6 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 10 |
| SS 7053-69 | r. scapula | 11.4 | -18.5 | 3.3 | ♂, 30? |  |  | Verhniy Askiz I, k. 2, g. 13, sk. 1 |
| SS 7053-71 | r. radius | 11.6 | -19.2 | 3.3 | ♀ |  |  | Verhniy Askiz I, k. 2, g. 14, sk. 1 |
| SS 7053-74 (UBA-7919) | r. tibia | 11.7 | -19.5 | 3.6 | ♂ | 3738±30 | 2272-2035 BC | Verhniy Askiz I, k. 2, g. 15, sk. 1 (b. 1) |
| SS 7053-75 | mandibula | 11.5 | -19.0 | 3.6 | ♂, 20 |  |  | Verhniy Askiz I, k. 2, g. 15, sk. 2 (b. 2) |
| SS 7053-76 | l. tibia | 11.2 | -18.8 | 3.5 | n/a |  |  | Verhniy Askiz I, k. 2, g. 15, sk. 3 (b. 2) |
| SS 7053-77 | mandibula | 11.1 | -18.7 | 3.4 | 20 |  |  | Verhniy Askiz I, k. 2, g. 16, sk. 1 |
| SS 7053-78 | cranium | 11.1 | -19.0 | 3.5 | ♂, 35 |  |  | Verhniy Askiz I, k. 2, g. 16, sk. 2 |
| SS 7053-84 | l. humerus | 11.6 | -18.6 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 18 (b. 2) |
| SS 7053-39 | cranium | 11.6 | -19.0 | 3.5 | ♂, 30 |  |  | Verhniy Askiz I, k. 2, g. 2, sk. 2 (b. 2) |
| SS 7053-85 (UBA-7911) | l. tibia | 11.7 | -17.8 | 3.5 | ♀, 20 | 3713±30 | 2200-2028 BC | Verhniy Askiz I, k. 2, g. 21, sk. 1 |
| SS 7053-86 | r. tibia | 11.3 | -18.5 | 3.6 | n/a |  |  | Verhniy Askiz I, k. 2, g. 21, sk. 2 |
| SS 7053-87 | l. humerus | 10.7 | -18.2 | 3.6 | ♀?, 25 |  |  | Verhniy Askiz I, k. 2, g. 21, sk. 3 |
| SS 7053-88 | r. humerus | fail - C:Nat | n/a |  |  | Verhniy Askiz I, k. 2, g. 21, sk. 4 |
| SS 7053-89 | l. scapula | 10.7 | -18.1 | 3.4 | ♂, 30 |  |  | Verhniy Askiz I, k. 2, g. 22 |
| SS 7053-90 | l. fibula | fail - no collagen | ♂? |  |  | Verhniy Askiz I, k. 2, g. 23 |
| SS 7053-91 | l. tibia | fail - no collagen | ♀, 25 |  |  | Verhniy Askiz I, k. 2, g. 24 |
| SS 7053-92 | mandibula | fail - no collagen | ♂, 20? |  |  | Verhniy Askiz I, k. 2, g. 26, sk. 1 |
| SS 7053-95 | l. scapula | 11.8 | -18.7 | 3.5 | ♂?, 45 |  |  | Verhniy Askiz I, k. 2, g. 28, sk. 1 (b. 1) |
| SS 7053-98 | cranium | 11.1 | -18.0 | 3.4 | ♀, 20 |  |  | Verhniy Askiz I, k. 2, g. 28, sk. 4 |
| SS 7053-99 | cranium | 11.0 | -19.1 | 3.6 | ♂, 25 |  |  | Verhniy Askiz I, k. 2, g. 28, sk. 5 |
| SS 7053-102 | l. tibia | 11.2 | -18.8 | 3.5 | ♀, 30 |  |  | Verhniy Askiz I, k. 2, g. 29, sk. 1 |
| SS 7053-103 | mandibula | 11.1 | -18.6 | 3.3 | ♀, 30 |  |  | Verhniy Askiz I, k. 2, g. 29, sk. 2 |
| SS 7053-41 | r. scapula | 11.1 | -18.6 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 3, sk. 2 (b. 2) |
| SS 7053-42 | r. radius | 11.9 | -18.1 | 3.3 | ♂, 25 |  |  | Verhniy Askiz I, k. 2, g. 3, sk. 3 (b. 2) |
| SS 7053-108 | l. fibula | 11.6 | -18.4 | 3.3 | ♂ |  |  | Verhniy Askiz I, k. 2, g. 31, sk. 1 |
| SS 7053-110 | r. ulna (radius?) | 12.4 | -18.5 | 3.5 | ♀, 20 |  |  | Verhniy Askiz I, k. 2, g. 32 |
| SS 7053-112 | r. fibula | 11.2 | -17.9 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 34, sk. 1 |
| SS 7053-114 | r. radius | 11.0 | -18.4 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 35, sk. 1 |
| SS 7053-43 (UBA-7913) | cranium | 11.6 | -19.0 | 3.3 | ♀, 35 | 3934±39 | 2565-2297 BC | Verhniy Askiz I, k. 2, g. 4, sk. 1 |
| SS 7053-44 | mandibula | 11.6 | -18.7 | 3.4 | ♂, 40 |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 2 |
| SS 7053-46 | cranium | fail - C:Nat | ♀, 20 |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 4 |
| SS 7053-45 | mandibula | 12.3 | -18.6 | 3.4 | ♂, 25 |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 5 |
| SS 7053-47 | r. maxilla | fail - no collagen | 20? |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 5 |
| SS 7053-48 | cranium | fail - C:Nat | ♂, 30 |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 6 |
| SS 7053-49 | cranium | 11.4 | -18.2 | 3.3 | 7-8 |  |  | Verhniy Askiz I, k. 2, g. 4, sk. 7 |
| SS 7053-50 | l. fibula | fail - C:Nat |  |  | n/a |  |  | Verhniy Askiz I, k. 2, g. 4 |
| SS 7053-117 | l. femur | 11.2 | -18.3 | 3.3 | ♂? |  |  | Verhniy Askiz I, k. 2, g. 40, sk. 1 |
| SS 7053-118 | l. femur | 10.5 | -18.6 | 3.3 | n/a |  |  | Verhniy Askiz I, k. 2, g. 40, sk. 2 |
| SS 7053-119 | l. femur | 11.4 | -18.2 | 3.4 | n/a |  |  | Verhniy Askiz I, k. 2, g. 40, sk. 3 |
| SS 7053-51 | l. humerus | 11.3 | -18.2 | 3.3 | ♀? |  |  | Verhniy Askiz I, k. 2, g. 5, sk. 1 (b. 1) |
| SS 7053-123 | ? | fail - no collagen | ♀? |  |  | Verhniy Askiz I, k. 2, g. 5?, b. 1 |
| SS 7053-53 | cranium | 11.9 | -18.5 | 3.4 | ♀, 25 |  |  | Verhniy Askiz I, k. 2, g. 6, b. 1 |
| SS 7053-56 | r. tibia | 11.5 | -18.8 | 3.4 | n/a |  |  | Verhniy Askiz I, k. 2, g. 6, b. 3 (1?) |
| SS 7053-58 | l. hip | 11.7 | -18.6 | 3.3 | ♂, 20 |  |  | Verhniy Askiz I, k. 2, g. 7 |
| SS 7053-59 | r. hip | 10.9 | -18.2 | 3.3 | ♂, 20 |  |  | Verhniy Askiz I, k. 2, g. 8, sk. 1 (b. 1) |
| SS 7053-61 | r. scapula | 11.6 | -18.0 | 3.4 | ♂, 20 |  |  | Verhniy Askiz I, k. 2, g. 8, sk. 3 (b. 3) |
| SS 7053-62 | cranium | 11.7 | -18.8 | 3.4 | ♂, 35 |  |  | Verhniy Askiz I, k. 2, g. 9 |
| SS 7053-32 | l. femur | 11.2 | -18.8 | 3.4 | ♂? |  |  | Verhniy Askiz I, k. 2, N ditch of the encl. |
| SS 7053-122 | ? | fail - no collagen | ♂, 20 |  |  | Verhniy Askiz I, k. 2, N trench |
| SS 7053-120 | cranium | 11.7 | -18.8 | 3.3 | ♂, 25 |  |  | Verhniy Askiz I, k. 2 |
| SS 6160-31 | l. humerus | 13.5 | -19.3 | 3.5 | ♂ |  |  | Okunev Ulus, g. 5 |
| SS Laz-1 | nail | 3.5 | -18.3 | 3.3 | bear |  |  | Uibat V |
| SS Laz-2 | femur | 4.5 | -20.8 | 3.5 | roe deer |  |  | Itkol I |
| SS Laz-3 | pelvis | 5.0 | -20.3 | 3.2 | cattle/small deer |  |  | Itkol I |
| SS Laz-4 | femur | 4.4 | -21.1 | 3.3 | horse |  |  | Itkol I |
| *Andronovo Culture* |
| SS 6141-87 | scapula | 10.4 | -18.3 | 3.3 | ♂, 20 |  |  | Pervomayskoye I, g. 24 |
| SS 6141-88 | l. femur | 11.7 | -18.6 | 3.3 | n/a |  |  | Pervomayskoye I, g. 24 |
| SS 6141-89 | l. tibia | 10.4 | -19.0 | 3.3 | n/a |  |  | Pervomayskoye I, g. 24 |
| SS 6141-92 (UBA-7922) | r. radius | 10.2 | -18.8 | 3.3 | ♂?, 35 | 3205±41 | 1607-1407 BC | Pervomayskoye I, g. 28 |
| SS 8993-6 | cranium | 10.7 | -19.2 | 3.3 | ♂, 20 |  |  | Potroshilovo II, encl. 1 |
| SS 8993-13 | mandibula | 11.1 | -18.6 | 3.2 | ♀?, 20 |  |  | Potroshilovo II, encl. 10 |
| SS 8993-14 (UBA-9329) | cranium | 11.5 | -19.2 | 3.1 | ♂, 40 | 3316±24 | 1661-1527 BC | Potroshilovo II, encl. 15 |
| SS 8993-8 | cranium | 12.0 | -19.5 | 3.5 | ♂, 20 |  |  | Potroshilovo II, encl. 5, g. 1 |
| SS 8993-9 (UBA-9328) | cranium | 10.3 | -20.1 | 3.3 | ♂, 30 | 3294±28 | 1629-1504 BC | Potroshilovo II, encl. 5, g. 3 |
| SS 8993-10 | cranium, mandibula | 11.6 | -18.6 | 3.2 | ♂, 20 |  |  | Potroshilovo II, encl. 7 |
| SS 8993-12 | cranium | 11.2 | -19.5 | 3.3 | ♀, 25 |  |  | Potroshilovo II, encl. 9 |
| SS 7800-9 | mandubula | 10.7 | -19.7 | 3.5 | ♂, 30 |  |  | Ust-Bir IV, g. 10 |
| SS 7800-13 | cranium | fail - C:Nat | ♀, 20 |  |  | Ust-Bir IV, g. 14 |
| SS 7800-14 | cranium | 11.8 | -19.1 | 3.3 | ♂, 35 |  |  | Ust-Bir IV, g. 15 |
| SS 7800-15 (UBA-9331) | mandibula | 11.4 | -18.8 | 3.2 | ♂, 40 | 3382±27 | 1744-1621 BC | Ust-Bir IV, g. 16 |
| SS 7800-16 | cranium | 11.8 | -19.1 | 3.2 | ♂, 35 |  |  | Ust-Bir IV, g. 17 |
| SS 7800-17 (UBA-9332) | cranium | 12.1 | -19.1 | 3.3 | ♂, 35 | 3278±23 | 1614-1505 BC | Ust-Bir IV, g. 19 |
| SS 7800-19 | cranium | fail - C:Nat | ♂, 25 |  |  | Ust-Bir IV, g. 21 |
| SS 7800-22 | cranium | fail - C:Nat | ♂, 25 |  |  | Ust-Bir IV, g. 25 |
| SS 7800-23 (UBA-9333) | cranium | 10.4 | -20.0 | 3.3 | ♀, 20 | 3309±22 | 1639-1521 BC | Ust-Bir IV, g. 26 |
| SS 7800-24 | cranium | 11.0 | -19.9 | 3.4 | ♂, 40 |  |  | Ust-Bir IV, g. 28 |
| SS 7800-7 | cranium | 11.8 | -19.3 | 3.2 | ♀, 20 |  |  | Ust-Bir IV, g. 8, southern sk. |
| SS 6141-3 (UB-7491) | l. humerus | 11.6 | -19.6 | 3.2 | ♀?, 40 | 3317±34 | 1683-1511 BC | Yarki II, g. 1 |
| SS 6141-4 (UB-7490) | l. femur | 11.0 | -19.4 | 3.2 | 30 | 3333±35 | 1731-1526 BC | Yarki II, g. 2 |
| SS 6141-12 (UBA-7921) | cranium, mandibula | 11.6 | -18.5 | 3.3 | ♀?, 40 | 3348±32 | 1737-1532 BC | Yarki II. |
| SS Laz-5 | pelvis | 8.5 | -18.7 | 3.3 | wolf |  |  | Itkol III |
| SS Laz-6 | mandibula | 5.1 | -18.3 | 3.3 | sheep |  |  | Itkol III |
| *Karasuk Culture* |
| SS Gr-1 (UBA-7966) | femur, humerus | 11.3 | -14.4 | 3.3 | n/a | 2833±24 | 1052-916 BC | Kamenniy Ostrov |
| SS 6141-95 (UBA-7931) | l. ulna | 11.5 | -17.2 | 3.3 | n/a | 2793±78 | 1189-805 BC | Solnechniy Log, g. 1 (16) |
| SS 6160-35 | ischium | fail - no collagen | ♀, 17-25 |  |  | Charkov ulus, g. 2 (22 according to diary) |
| SS 6141-124 | r. fibula | 10.7 | -17.1 | 3.3 | ♂, 30 |  |  | Melnichniy Log (Karasuk I), g. 54 |
| SS 6141-125 | r. and l. radius, l. ulna | 11.3 | -15.4 | 3.3 | n/a |  |  | Melnichniy Log (Karasuk I), g. 60 |
| SS 6141-128 | mandibula | 10.8 | -17.1 | 3.5 | ♀?, 25 |  |  | Melnichniy Log (Karasuk I), g. 64 |
| SS 6141-123 (UBA-7932) | r. scapula | 10.4 | -17.1 | 3.3 | ♀ | 2957±45 | 1367-1016 BC | Melnichniy Log (Karasuk I), g. 65 |
| SS 6141-129 (UBA-7933) | l.scapula | 11.1 | -16.4 | 3.3 | ♂, 25 | 2978±39 | 1373-1055 BC | Melnichniy Log (Karasuk I), g. 65 |
| SS 8993-4 (UBA-9327) | mandibula | 11.2 | -12.8 | 3.3 | ♀, 20 | 3008±22 | 1376-1131 BC | Minusinskiy Karyer, g. 2 |
| SS 6160-19 | l. scapula | 11.5 | -17.3 | 3.4 | ♀, 20 |  |  | Okunev Ulus, g. 10 |
| SS 6160-24 (UBA-8779) | l. hip | 11.8 | -14.3 | 3.4 | ♂, 30 | 2962±24 | 1262-1088 BC | Okunev Ulus, g. 2 |
| SS 6160-25 (UBA-9338) | r. hip | 12.0 | -14.8 | 3.5 | ♂, 25 | 2890±27 | 1193-981 BC | Okunev Ulus, g. 2 |
| SS 6160-20 | hip | 11.0 | -16.1 | 3.4 | ♀, 20 |  |  | Okunev Ulus, g. 3 |
| SS 6160-26 | l. tibia | fail - C:Nat | n/a |  |  | Okunev ulus, g. 3 |
| SS 6160-21 | mandibula | 11.4 | -17.5 | 3.4 | ♀, 20 |  |  | Okunev Ulus, g. 4 |
| SS 6160-27 | mandibula | fail - C:Nat | ♂, 25 |  |  | Okunev ulus, g. 4 |
| SS 6160-28 (UBA-7928) | cranium | 11.5 | -16.0 | 3.5 | ♂? | 2987±55 | 1393-1047 BC | Okunev Ulus, g. 5 |
| SS 6160-18 | mandibula | 12.2 | -17.9 | 3.5 | 20 |  |  | Okunev Ulus, g. 9 |
| SS 6141-82 | r. fibula | 10.8 | -16.0 | 3.3 | 20 |  |  | Pervomayskoye I, g. 20 |
| SS 6141-83 (UBA-7925) | l. tibia | 11.3 | -16.1 | 3.3 | 20 | 3122±42 | 1496-1279 BC | Pervomayskoye I, g. 21 |
| SS 6141-84 | scapula | 10.9 | -17.5 | 3.4 | 30 |  |  | Pervomayskoye I, g. 22 |
| SS 6141-85 | r. fibula | 11.1 | -16.9 | 3.6 | ♀, 20 |  |  | Pervomayskoye I, g. 23 |
| SS 6141-86 | l. tibia | 11.5 | -17.7 | 3.5 | n/a |  |  | Pervomayskoye I, g. 23 |
| SS 6141-90 | l. ischium | fail - no collagen | ♂?, 30? |  |  | Pervomayskoye I, g. 26 |
| SS 6141-91 | r. femur | 11.5 | -17.6 | 3.4 | ♂?, 30? |  |  | Pervomayskoye I, g. 27 |
| SS 6141-93 | r. ulna | 11.5 | -17.2 | 3.3 | n/a |  |  | Pervomayskoye I, g. 29 |
| SS 6141-13 (UBA-9339) | ? | 12.3 | -17.5 | 3.2 | ♂?, 20 | 3021±27 | 1390-1133 BC | Podgornoye Ozero I, g. 3 |
| SS 6141-14 (UBA-8777) | r. hip | 12.3 | -15.4 | 3.2 | ♀, 30? | 3063±24 | 1408-1261 BC | Podgornoye Ozero I, g. 4 |
| SS 6141-16 (UBA-7923) | l. scapula | 12.6 | -15.9 | 3.3 | ♂?, 30 | 3017±41 | 1394-1127 BC | Podgornoye Ozero I, g. 6 |
| SS 6141-17 | mandibula | 11.3 | -15.2 | 3.3 | ♀?, 20 |  |  | Podgornoye Ozero I, g. 12 |
| SS 6141-18 (UBA-7924) | mandibula | 10.6 | -14.7 | 3.3 | 30 | 2850±41 | 1187-905 BC | Podgornoye Ozero I, g. 14 |
| SS 6141-35 (UBA-8788) | cranium, r. scapula | 11.0 | -15.9 | 3.4 | ♀, 30 | 3011±22 | 1379-1132 BC | Podgornoye Ozero, k. 3, g. 22 (NE) |
| SS 6141-6 (UB-7493) | l. tibia | 11.2 | -17.7 | 3.4 | ♀, 20 | 2945±33 | 1260-1045 BC | Yarki I, g. 1 (35) |
| SS 6141-7 (UBA-7930) | l. femur | 11.9 | -17.7 | 3.3 | ♂, 30? | 2904±40 | 1218-978 BC | Yarki I, g. 3 (37) |
| SS 6141-8 | r. scapula | 12.0 | -17.6 | 3.3 | ♂, 20 |  |  | Yarki I, g. 4 (38) |
| SS 6141-5 | r. femur | 11.4 | -18.0 | 3.0 | ♂, 30 |  |  | Yarki I. |
| SS 6160-5 | cranium | fail - no collagen | ♀, 20 |  |  | Okunev ulus, g. 1 |
| SS 7053-186 (UBA-7920) | r. scapula | 11.5 | -15.9 | 3.4 | ♂, 40 | 2740±26 | 967-821 BC | Uibat V, k. 3, sk. 1 |
| SS Gr-2 | metapodium | fail - C:Nat | cattle |  |  | Kamenniy Ostrov |
| SS Gr-3 | astragalus | fail - no collagen | cattle |  |  | Kamenniy Ostrov |
| SS Gr-4 | l. humerus | 7.2 | -20.3 | 3.4 | horse |  |  | Kamenniy Ostrov |
| SS Laz-7 | rib, epiphyses | 5.8 | -19.1 | 3.4 | horse young |  |  | Itkol I |
| SS Laz-8 | l. tibia | fail - no collagen | sheep |  |  | Itkol I, k. 40, under mound |
| SS Sa-1 | r. scapula | 12.8 | -15.7 | 3.4 | dog |  |  | Kamenniy Ostrov |
| SS Sa-7 | tooth | 9.0 | -21.8 | 3.3 | horse |  |  | Kamenniy Ostrov |
| *Tagar Culture* |
| SS 6141-96 | r. scapula | 11.4 | -18.0 | 3.4 | ♂, 35 |  |  | Barsuchiniy Log, g. 27 |
| SS 7226-35 (UB-7495) | l. fibula | 10.7 | -14.4 | 3.1 | ♀, 40 | 2080±33 | 193-2 BC | Chernoye Ozero I |
| SS 7226-39 | pelvis | 11.8 | -14.3 | 3.0 | ♂, 40 |  |  | Chernoye Ozero I |
| SS 7226-55 | rib | 12.2 | -14.2 | 3.0 | ♀?, 45+? |  |  | Chernoye Ozero I |
| SS 7226-68 (UBA-7949) | l. fibula | 11.8 | -12.5 | 3.0 | ♂, 20 | 1960±28 | 39 BC - 119 AD | Chernoye Ozero I |
| SS 7226-67 (UBA-7948) | scapula, pelvis | 12.4 | -14.4 | 3.0 | ♂? | 2000±39 | 105 BC - 81 AD | Chernoye Ozero I, k. 3, g. 35 |
| SS 6141-107 | l. scapula | 11.4 | -18.8 | 3.4 | ♀, 35 |  |  | Grishkin Log I, k. 1, g. 16 (27) |
| SS 6141-108 (UBA-7960) | r. tibia | 12.0 | -17.3 | 3.6 | ♀, 45+ | 2539±24 | 796-552 BC | Grishkin Log I, k. 1, g. 17 (28) |
| SS 6141-109 (UBA-7935) | l. fibula | 11.1 | -18.8 | 3.3 | ♂, 35 | 2653±49 | 910-773 BC | Grishkin Log I, k. 2, g. 18 (29) |
| SS 6141-111 | r. ulna | 11.4 | -18.6 | 3.4 | ♂, 35 |  |  | Grishkin Log I, k. 2, g. 19 (30) |
| SS 6141-112 | mandibula | 11.3 | -18.9 | 3.6 | ♀, 35 |  |  | Grishkin Log I, k. 2, g. 19 (30) |
| SS 6612-25 (UBA-7904) | l. scapula | 13.0 | -16.9 | 3.4 | ♂, 45 | 2362±29 | 553-385 BC | Karasuk III, encl. 7, g. 1, sk. 1 |
| SS 6141-79 | mandibula | 11.1 | -19.1 | 3.3 | ♂, 30 |  |  | Lepeshkina, g. 16 |
| SS 6141-80 (UBA-7947) | l. tibia | 10.6 | -14.2 | 3.3 | n/a | 2342±29 | 506-369 BC | Lepeshkina, g. 16 |
| SS 6141-97 (UBA-7951) | r. scapula | 10.2 | -16.0 | 3.3 | ♂, 20 | 2366±28 | 534-388 BC | Melnichniy-Barsuchinniy Log, g. 35 |
| SS 6141-99 (UBA-7952) | r. tibia | 11.0 | -18.3 | 3.3 | ♂, 30 | 2483±32 | 776-434 BC | Melnichniy-Barsuchinniy Log, g. 37 |
| SS 6160-1 (UBA-7936) | mandibula | 12.5 | -11.8 | 3.3 | ♀, 20 | 2332±39 | 534-235 BC | Nurilkov Ulus, g. 2 |
| SS 6160-2 (UBA-8785) | r. mastoid | 12.6 | -13.2 | 3.3 | ♂, 30 | 2485±21 | 766-539 BC | Nurilkov Ulus, g. 2 |
| SS 6160-3 (UBA-8784) | r. mastoid | 10.6 | -18.3 | 3.5 | ♀, 25 | 2414±21 | 728-405 BC | Nurilkov Ulus, g. 2 |
| SS 6160-22 (UBA-8778) | r. scapula | 11.6 | -14.8 | 3.3 | ♂, 30 | 2685±27 | 896-804 BC | Okunev Ulus, g. 12 |
| SS 6160-10 | cranium | 12.3 | -17.1 | 3.5 | ♂?, 35 |  |  | Okunev Ulus, k. 11 |
| SS 6160-11 | mandibula | 11.6 | -15.7 | 3.4 | ♂?, 20 |  |  | Okunev Ulus, k. 11 |
| SS 6160-12 (UBA-7946) | mandibula | 12.5 | -16.8 | 3.3 | 30 | 2552±29 | 801-552 BC | Okunev Ulus, k. 11 |
| SS 6160-13 | mandibula | 11.7 | -16.2 | 3.3 | ♂, 25 |  |  | Okunev Ulus, k. 11 |
| SS 6160-6 (UBA-9336) | cranium | 10.4 | -17.1 | 3.5 | 20 | 2516±31 | 793-541 BC | Okunev Ulus, k. 11 |
| SS 6160-7 | cranium | fail - C:Nat | ♂, 30 |  |  | Okunev ulus, k. 11 |
| SS 6160-8 (UBA-9337) | r. mastoid | 10.4 | -18.0 | 3.5 | ♂, 25 | 2316±30 | 413-236 BC | Okunev Ulus, k. 11 |
| SS 6160-9 (UBA-8793) | cranium | 12.8 | -15.3 | 3.3 | ♀, 30 | 2476±19 | 763-519 BC | Okunev Ulus, k. 11 |
| SS 6141-15 (UB-7492) | r. hip | 10.2 | -17.4 | 3.3 | ♀, 45 | 2548±33 | 802-547 BC | Podgornoye Ozero I, g. 5 |
| SS 6141-42 (UBA-8786) | cranium | 11.7 | -14.7 | 3.4 | ♂, 35 | 2166±43 | 364-92 BC | Podgornoye Ozero, g. 1, b. 10a |
| SS 6141-43 | ilium | 11.2 | -17.5 | 3.5 | ♀, 30 |  |  | Podgornoye Ozero, g. 1, b. 10v |
| SS 6141-44 | l. scapula | 11.2 | -17.6 | 3.5 | ♀, 45 |  |  | Podgornoye Ozero, g. 1, b. 10v |
| SS 6141-66 | r. femur | 10.9 | -17.9 | 3.3 | ♀, 35 |  |  | Podgornoye Ozero, g. 10 |
| SS 6141-45 | r. humerus | 11.4 | -18.3 | 3.6 | ♂? |  |  | Podgornoye Ozero, g. 2 |
| SS 6141-46 | r. ulna, l. radius | 10.7 | -17.3 | 3.4 | ♂ |  |  | Podgornoye Ozero, g. 2 |
| SS 6141-48 (UBA-8787) | l. humerus | 11.7 | -12.0 | 3.3 | n/a | 2348±22 | 475-328 BC | Podgornoye Ozero, g. 3 |
| SS 6141-76 | r. scapula | 10.9 | -18.1 | 3.3 | ♂, 30? |  |  | Podgornoye Ozero, g. 36 |
| SS 6141-77 | r. hip | 11.3 | -17.0 | 3.4 | ♂, 20 |  |  | Podgornoye Ozero, g. 37 |
| SS 6141-78 | r. hip | 10.9 | -17.8 | 3.4 | ♀? |  |  | Podgornoye Ozero, g. 38 |
| SS 6141-49 | cranium | fail - C:Nat | ♀, 30? |  |  | Podgornoye Ozero, g. 4 |
| SS 6141-51 | l. scapula | 11.6 | -18.4 | 3.3 | ♀, 30? |  |  | Podgornoye Ozero, g. 5 |
| SS 6141-59 (UBA-9335) | mandibula | 11.3 | -19.1 | 3.4 | ♂, 35 | 2630±24 | 827-791 BC | Podgornoye Ozero, g. 7 |
| SS 6141-65 | l. scapula | 11.3 | -17.6 | 3.4 | ♂, 30 |  |  | Podgornoye Ozero, g. 8. |
| SS 6141-56 | l. femur | 10.8 | -18.8 | 3.3 | ♂, 20 |  |  | Podgornoye Ozero, k. 1, mound |
| SS 6141-52 | scapulae | 11.0 | -18.2 | 3.3 | ♂, 35 |  |  | Podgornoye Ozero, k. 1, g. 1 |
| SS 6141-53 | zygomatic, l. pariental | fail - C:Nat | n/a |  |  | Podgornoye Ozero, k. 1, g. 1 |
| SS 6141-27 (UB-7496) | sacrum | 11.2 | -18.9 | 3.3 | ♂, 45 | 2561±34 | 806-550 BC | Podgornoye Ozero, k. 1, g. 17 |
| SS 6141-54 | scapulae | 11.0 | -17.7 | 3.3 | ♀, 45+ |  |  | Podgornoye Ozero, k. 1, g. 2 |
| SS 6141-55 | l. tibia | 11.4 | -17.7 | 3.3 | ♀, 30? |  |  | Podgornoye Ozero, k. 1, g. 3 |
| SS 6141-191 | r. scapula | 10.7 | -18.0 | 3.4 | 35 |  |  | Podgornoye Ozero (k. 1?), g. 4 |
| SS 6141-60 | l. scapula | 10.7 | -18.4 | 3.4 | ♀, 30 |  |  | Podgornoye Ozero, k. 2, mound, b. A |
| SS 6141-61 | l. clavicle, l. radius | 11.5 | -19.3 | 3.4 | ♀?, 20 |  |  | Podgornoye Ozero, k. 2, mound, b. B |
| SS 6141-62 | r. ulna | 9.9 | -16.0 | 3.4 | n/a |  |  | Podgornoye Ozero, k. 2, mound, b. C |
| SS 6141-57 | clavicles | 11.2 | -17.7 | 3.5 | 35 |  |  | Podgornoye Ozero, k. 2 |
| SS 6141-41 (UBA-7939) | l. tibia | 11.6 | -13.6 | 3.4 | ♂?, 30? | 2356±39 | 728-366 BC | Podgornoye Ozero, k. 3, mound |
| SS 6141-33 | mandibula | 10.8 | -18.9 | 3.3 | ♂?, 30? |  |  | Podgornoye Ozero, k. 3, g. 21 (NW) |
| SS 6141-36 (UBA-8789) | mandibula | 11.1 | -16.5 | 3.4 | ♀, 40? | 2563±21 | 802-595 BC | Podgornoye Ozero, k. 3, g. 22 (NE) |
| SS 6141-37 | mandibula | 11.4 | -14.7 | 3.5 | ♂?, 45 |  |  | Podgornoye Ozero, k. 3, g. 23 |
| SS 6141-38 | mandibula | 10.8 | -15.8 | 3.3 | ♂, 45+? |  |  | Podgornoye Ozero, k. 3, g. 24 |
| SS 6141-39 | sacrum | 10.6 | -14.6 | 3.4 | ♀, 40 |  |  | Podgornoye Ozero, k. 3, g. 24 |
| SS 6141-40 | sacrum | fail - C:Nat | ♀, 20 |  |  | Podgornoye Ozero, k. 3, g. 24 |
| SS 6141-63 | r. scapula | 10.8 | -18.4 | 3.5 | ♂, 20 |  |  | Podgornoye Ozero, k. 3, g. 8 |
| SS 6141-131 | mandibula | 11.2 | -18.4 | 3.5 | ♀, 20 |  |  | Saragash Ozero, g. 12 |
| SS 6141-132 (UBA-7941) | r. radius | 10.6 | -18.8 | 3.6 | ♂, 35 | 2562±39 | 809-545 BC | Saragash Ozero, g. 13 |
| SS 6141-133 (UBA-7940) | scapulae | 11.8 | -17.7 | 3.3 | ♀, 40 | 2510±53 | 798-431 BC | Saragash Ozero, g. 14 |
| SS 6141-134 | mandibula | 11.8 | -18.2 | 3.4 | ♂?, 45+? |  |  | Saragash Ozero, g. 14 |
| SS 6141-139 (UB-7497) | mandibula | 10.8 | -17.7 | 3.4 | ♂?, 30 | 2486±38 | 785-431 BC | Saragash, mound of g. 8 |
| SS 6141-140 | mandibula | 11.6 | -15.0 | 3.4 | 30? |  |  | Saragash, mound of g. 8 |
| SS 6141-176 | cranium | 10.9 | -18.6 | 3.4 | ♀?, 35 |  |  | Saragash, mound of g. 9 |
| SS 6141-177 | cranium | 11.7 | -14.6 | 3.3 | ♀, 30 |  |  | Saragash, mound of g. 9 |
| SS 6141-178 | mandibula | 10.6 | -18.9 | 3.4 | 35 |  |  | Saragash, mound of g. 9 |
| SS 6141-180 (UBA-7945) | mandibula | 10.6 | -15.9 | 3.4 | 25 | 2456±39 | 757-413 BC | Saragash, g. 10 |
| SS 6141-181 | l. radius | 11.1 | -17.3 | 3.4 | ♂, 20 |  |  | Saragash, g. 10 |
| SS 6141-182 | mandibula | 10.7 | -17.4 | 3.4 | ♂, 40 |  |  | Saragash, g. 10 |
| SS 6141-183 | cranium | 11.5 | -17.0 | 3.4 | ♂?, 20? |  |  | Saragash, g. 10 |
| SS 6141-187 | mandibula | 11.2 | -18.6 | 3.6 | ♀?, 30 |  |  | Saragash, g. 11 |
| SS 6141-188 | mandibula | 10.7 | -16.2 | 3.4 | ♂?, 45 |  |  | Saragash, g. 11 |
| SS 6141-137 | rib | 10.3 | -16.8 | 3.3 | ♀, 35 |  |  | Saragash, g. 8 |
| SS 6141-138 | r. ulna | fail - C:Nat | n/a |  |  | Saragash, g. 8 |
| SS 6141-142 | mandibula | 10.8 | -18.2 | 3.3 | ♂, 45 |  |  | Saragash, g. 9 |
| SS 6141-143 (UBA-8790) | mandibula | 11.5 | -15.4 | 3.4 | ♂, 40 | 2502±21 | 776-542 BC | Saragash, g. 9 |
| SS 6141-144 (UBA-9334) | mandibula | 10.6 | -18.7 | 3.3 | ♂, 40? | 2454±23 | 752-415 BC | Saragash, g. 9 |
| SS 6141-145 (UBA-8791) | mandibula | 11.8 | -16.7 | 3.4 | ♀, 35 | 2478±21 | 766-518 BC | Saragash, g. 9 |
| SS 6141-146 | cranium | 11.3 | -16.6 | 3.3 | ♂, 35 |  |  | Saragash, g. 9 |
| SS 6141-148 | cranium | 10.4 | -17.5 | 3.4 | ♂?, 35 |  |  | Saragash, g. 9 |
| SS 6141-149 | cranium | 11.6 | -16.0 | 3.3 | ♀, 40? |  |  | Saragash, g. 9 |
| SS 6141-150 | cranium | 11.7 | -15.8 | 3.3 | ♂, 35 |  |  | Saragash, g. 9 |
| SS 6141-151 | cranium | 11.1 | -15.9 | 3.4 | ♀, 35 |  |  | Saragash, g. 9 |
| SS 6141-152 | cranium | fail - C:Nat | 35 |  |  | Saragash, g. 9 |
| SS 6141-153 | cranium | 11.7 | -16.1 | 3.4 | 20? |  |  | Saragash, g. 9 |
| SS 6141-154 | cranium | 10.7 | -17.2 | 3.4 | ♀, 20? |  |  | Saragash, g. 9 |
| SS 6141-155 (UBA-7943) | cranium | 11.4 | -14.2 | 3.3 | ♀?, 25 | 2421±45 | 752-401 BC | Saragash, g. 9 |
| SS 6141-156 | cranium | 11.7 | -16.1 | 3.4 | ♀ |  |  | Saragash, g. 9 |
| SS 6141-157 | cranium | 11.6 | -14.8 | 3.3 | ♂? |  |  | Saragash, g. 9 |
| SS 6141-158 | cranium | 11.9 | -15.6 | 3.4 | ♂?, 25 |  |  | Saragash, g. 9 |
| SS 6141-159 | cranium | 11.8 | -14.9 | 3.4 | ♀?, 30? |  |  | Saragash, g. 9 |
| SS 6141-164 | mandibula | 11.3 | -15.5 | 3.3 | n/a |  |  | Saragash, g. 9 |
| SS 6141-165 (UBA-8792) | mandibula | 11.3 | -15.7 | 3.3 | ♀?, 30? | 2454±19 | 751-415 BC | Saragash, g. 9 |
| SS 6141-166 | mandibula | 11.6 | -15.1 | 3.4 | 30 |  |  | Saragash, g. 9 |
| SS 6141-167 | mandibula | 11.3 | -16.5 | 3.4 | n/a |  |  | Saragash, g. 9 |
| SS 6141-168 | mandibula | 11.9 | -16.8 | 3.5 | 40 |  |  | Saragash, g. 9 |
| SS 6141-170 | mandibula | fail - C:Nat | 30 |  |  | Saragash, g. 9 |
| SS 6141-171 | mandibula | 11.0 | -16.4 | 3.6 | 35 |  |  | Saragash, g. 9 |
| SS 6141-173 | mandibula | 10.7 | -16.1 | 3.4 | 25 |  |  | Saragash, g. 9 |
| SS 6141-174 | mandibula | 12.3 | -14.4 | 3.3 | ♀?, 30? |  |  | Saragash, g. 9 |
| SS 7053-22 (UBA-7907) | cranium | 11.0 | -17.7 | 3.3 | ♀, 45+ | 2609±29 | 821-772 BC | Verhniy Askiz I, k. 1, g. 18 |
| SS 6141-9 (UBA-8782) | r. humerus | 10.4 | -15.7 | 3.2 | 45+ | 2200±31 | 366-185 BC | Yarki I, g. 4 |
| SS 6141-10 (UB-7498) | l. ulna | 11.9 | -17.7 | 3.0 | ♀, 30? | 2696±34 | 906-804 BC | Yarki II, g. 25 |
| SS 6141-11 (UBA-7950) | r. femur | 11.2 | -18.2 | 3.2 | ♂, 20 | 2511±28 | 790-541 BC | Yarki II, g. 25 |
| SS Alex-1 | ? | fail - no collagen | cattle |  |  | Sharypovo IV, sq. С4-В5 |
| SS Alex-2 | rib | 6.0 | -19.9 | 3.6 | sheep |  |  | Bolshaya Erba II |
| SS Pod-1 | scapula | 4.1 | -21.4 | 3.4 | horse |  |  | Chilannygtakh |
| SS Pod-2 | third phalanx | fail - no collagen | sheep |  |  | Chilannygtakh |
| SS Pod-3 | third phalanx | fail - no collagen | sheep |  |  | Chilannygtakh |
| SS Pod-4 | ? | fail - C:Nat | roe deer |  |  | Chilannygtakh |
| SS Pod-5 | mandibula | 6.2 | -19.0 | 3.5 | goat |  |  | Chilannygtakh |
| SS Pod-6 | third phalanx | fail - no collagen | roe deer |  |  | Chilannygtakh |
| SS Pod-7 | astragalus | 4.7 | -21.1 | 3.4 | cattle |  |  | Chilannygtakh |
| SS Pod-8 | horn | 4.1 | -21.2 | 3.6 | roe deer |  |  | Chilannygtakh |
| SS Sa-2 | r. scapula | 11.4 | -17.4 | 3.3 | dog |  |  | Bolshaya Erba II |
| SS Sa-3 | r. rib | 11.2 | -18.9 | 3.4 | dog |  |  | Khistaglar I |
| SS Sa-4 | r. scapula | 11.2 | -18.6 | 3.4 | dog |  |  | Chernoye Ozero I |
| SS Sa-5 | zygomatic, scapula | 11.2 | -17.1 | 3.4 | dog |  |  | Chernoye Ozero I |
| SS Sa-6 | pelvis | 11.8 | -17.4 | 3.3 | dog |  |  | Chernoye Ozero I |
| SS Sa-7 | ? | 12.4 | -18.2 | 3.3 | dog |  |  | Uzun-Khir |
| *Medieval* |
| SS 6136-1 (UBA-7902) | l. scapula | 12.8 | -16.7 | 3.3 | ♀, 25 | 1297±27 | 662-769 AD | Afanasyeva Gora, b. 71 |