

601	Dravida	DRAVD	Dravida, India (Morant 1924) in Inamura and Shima, 1935)
602	Andamanese	ANDAM	Andamanese, India (Bonin 1931) in Inamura and Shima, 1935)
603	Vedda	VEDDA	Vedda, Sri Lanka (Woo and Morant 1932) in Inamura and Shima, 1935)
604	Burmese	BURMS	Burmese (Tildesley 1920-1921) in Inamura and Shima, 1935)
605	Thai	THAIS	Thai, Chang Mai, Thailand (King, 1997)
606	Laotian	LAOTI	Laotians (Oliver, 1966)
607	Vietnamese	VIETN	Vietnamese (Oliver, 1966)
608	Khmers	KHMER	Khmers, Cambodia (Oliver, 1966)
609	Dayak	DAYAK	Dayak, Borneo (Bonin 1931) in Inamura and Shima, 1935, and in Oliver, 1966)
610	Aeta	AETA	Aeta, Philippines (Bonin 1931) in Inamura and Shima, 1935)
611	Tagalog	TAGLG	Tagalog, Philippines (Bonin 1931) in Inamura and Shima, 1935)
612	Javanese	JAVA	Javanese, Middle and East Java (Bonin 1931) in Inamura and Shima, 1935)
613	Fij 2	FIJ2	Fij 2 islands (Hambara, 1996)
614	Swanport	SWANP	Swanport, Australia (Brown, 2001)
615	South Australia	S-AUS	Australian Aborigines, Adelaide, South Australia (Hambara, 1996)
616	South Australia 2	S-AU2	Australian aborigines, South Australia (von Dongen, 1963)
617	South Australia 3	S-AU3	Australian aborigines, South Australia (Davisings, 1963)
618	Papuan	PAPUA	Papuan, Papua New Guinea (Hambara, 1996)
619	Solomon	SOLOM	Solomon islands (Hambara, 1996)
620	New Britain	N-BRI	New Britain islands, Papua New Guinea (Hambara, 1996)
621	New Hebrides	N-HEB	New Hebrides islands, Vanuatu (Hambara, 1996)
622	New Caledonia	N-CAL	New Caledonia islands (Hambara, 1996)
623	New Ireland	N-IRL	New Ireland islands, Papua New Guinea (Hambara, 1996)
624	Maori	MAORI	Maori (Schofield 1959) in Davisings, 1963)
625	Lapps	LAPPS	Lapps (Schreiner 1935) in Schwidetzky, 1963)
626	Finn	FINNS	Finn (Akhoev, 1966)
627	Russians 1	RUSSI	Great Russians of peasant origin [northern and middle regions of European Russia] (Tarrenitzky 1884) in Morant, 1928)
628	Russians 2	RUSS2	Russians (northwestern region) (Akhoev, 1966)
629	Estonians	ESTON	Estonians (Akhoev, 1966)
630	Eastern Latvians	E-LAT	Eastern Latvians (Akhoev, 1966)
631	Lithuanians	LITHU	Lithuanians (Akhoev, 1966; Akhoev 1969) in Schwidetzky and Rosing, 1984)
632	Dutchmen	DUTCH	Dutchmen (de Fine 1938) in Schwidetzky and Rosing, 1984)
633	Warsaw	WARSW	Warsaw, Poland (Kaczanowski 1951) in Schwidetzky and Rosing, 1984)
634	Wuertemberger	WUERT	Wuertemberger, Germany (Tibingen Catalogue 1902) in Morant, 1928)
635	Bavarians 1	BAVB1	Bavarians, Weinsbuehl (Rastle 1883 etc.) in Morant, 1928)
636	Bavarians 2	BAVB2	Bavarians [Althayerich], Aufkirchen (Rastle 1883 etc.) in Morant, 1928)
637	Carinthians	CARIN	Carinthians, Grefendorf, S.C. Austria (Shapiro 1929) in Angel, 1944)
638	Akadians	AKADN	Akadians, France (Adams 1917) in Morant, 1928)
639	French	FRENCH	French (Morant Catalogue 1892) in Morant, 1928)
640	Basques	BASQU	Basques, Zaratun, Guipuzcoa, Spain (Morant, 1928)
641	Glasgow	GLASG	Glasgow, Scotland, U.K. (Young 1931) in Schwidetzky and Rosing, 1984)
642	Fortraghans	FARBH	English, Fortraghans Street, London (Hodie 1924) in Morant, 1928)
643	Whitechapel	WHITE	English, Whitechapel, London (Macdonell 1904) in Morant, 1928)
644	Spitalfields	SPITL	Spitalfields, England (Mollison and Cox, 1993)
645	English	ENGLH	English (Haltley 1918) in Davisings, 1963)
646	Ethiograps	ELBIN	Ethiograps, Tyrol, Austria (Schweiger 1907) and Casellei 1900) in Schwidetzky and Rosing, 1984)
647	Tyrolese	TYROL	Tyrolese, Austria (Holl 1884) in Morant, 1928)
648	Vorarlberger	VORAR	Vorarlberger, Austria (Holl 1888) in Morant, 1928)
649	Magyars	MAGYR	Magyars, Hungary (Weinsbach 1884) in Morant, 1928)
650	Slovenes	SLOVN	Slovenes, Carniola, Slovenia (Weinsbach 1912) in Morant, 1928; Weinsbach 1881) in Morant, further in Angel, 1944)
651	Czechs	CZECH	Czechs, Bohemia (Schiff 1912) in Morant, 1928)
652	Hradek h. Mikulov	HRADK	Hradek h. Mikulov, Czech (Fenek 1962) in Schwidetzky and Rosing, 1984)
653	Rumanians	RUMAN	Rumanians (Weinsbach 1870) in Morant, 1928)
654	Serbo-Croats	SE-CR	Serbo-Croats, Adriatic coast (Weinsbach 1884) in Morant, 1928)
655	Oscotians-Innens	OSS-I	Oscotians-Innens, Russia (Akhoev 1974) in Schwidetzky and Rosing, 1984)
656	Oscotians-Digorens	OSS-D	Oscotians-Digorens, Russia (Akhoev 1974) in Schwidetzky and Rosing, 1984)
657	Sofia	SOFIA	Sofia, Bulgaria (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
658	North-central Bulgarians	NC-BUL	North-central Bulgarians (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
659	Bulgarians (Northbalkan)	NB-BUL	Bulgarians, Northbalkan (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
660	Northwest Bulgarians	NW-BUL	Northwest Bulgarians (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
661	Bulgarians (Thracian)	BUL-T	Bulgarians, Thracian (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
662	Bulgarians (Southbalkan)	BUL-S	Bulgarians, Southbalkan (Kadaneff et al. 1974) in Schwidetzky and Rosing, 1984)
663	Tashkent	TASHK	Tashkent, Uzbekistan (Ginsburg 1963) in Schwidetzky and Rosing, 1984)
664	Turks	TURKS	Turks, Constantinople (Weinsbach 1873) in Morant, 1928)
665	Armenians	ARMEN	Armenians (Akhoev 1974) and Busak 1927) in Schwidetzky and Rosing, 1984)
666	Siena	SIENA	Italians, Siena (Vincenzo 1918) in Morant, 1928)
667	Sardinians 1	SARD1	Sardinians, Italy (Morant and Fenn 1963) in Schwidetzky and Rosing, 1984)
668	Sardinians 2	SARD2	Sardinians (De Vecchi 1911) in Morant, 1928)
669	Sicilians	SICIL	Sicilians (Mondio 1897) in Morant, 1928)
670	Greeks	GREEK	Greeks (Weinsbach 1881) in Morant, 1928)
671	Maltese	MALTA	Maltese, Malta (Boutier 1922) in Morant, 1928)
672	Algeria	ALGER	Alger and Oran, Algeria (Demoulin, 1981)
673	Kabyle	KABYL	Kabyle, Algeria (Demoulin, 1981)
674	Biskra	BISKR	Biskra, Algeria (Demoulin, 1981)
675	Cameroon	CAMERN	Cameroon (Kisano 1931) and Torvor 1955) in De Villiers, 1968)
676	Uganda	UGAND	Uganda (Gömay 1957) in De Villiers, 1968)
677	Fernand Vaz	FERNV	Fernand Vaz, Gabon (Torvor 1949) in De Villiers, 1968)
678	Hayu	HAYU	Hayu, Tanzania (Czarkowski 1951) in De Villiers, 1968)
679	Bugbye	BUGOY	Bugbye, Ruanda (Czarkowski 1951) in De Villiers, 1968)
680	Mukra	MULRA	Mukra, Ruanda (Czarkowski 1951) in De Villiers, 1968)
681	Taha	TATA	Taha, Kenya (Kisano 1931) in De Villiers, 1968)
682	Treks	TETLA	Treks, Congo (Torvor 1949) in De Villiers, 1968)
683	Natal Ngani	N-NGU	Natal Ngani, South Africa (De Villiers, 1968; Lundy, 1986)
684	Cape Ngani	C-NGU	Cape Ngani, South Africa (De Villiers, 1968; Lundy, 1986)
685	Sethu	SOTHO	Sethu, South Africa (De Villiers, 1968; Lundy, 1986)
686	Shangana-Tonga	SHANG	Shangana-Tonga, South Africa (De Villiers, 1968)
687	Bushman	BUSHM	Bushman, South Africa (De Villiers, 1968)

*In some cases, the same label was assigned to two or more samples, for example, of different ages found at the same site. Even so, however, they were treated as separate samples when used in analyses.

Appendix 2. *Homo sapiens* supratypes female samples of the Neolithic to modern times from all over the world¹

Original sample	Label of the sample	Label of the pooled sample containing the relevant sample	Site (reference)
1 Kitakane R-13	NT13	JOMIEJF	Kitakane R-13, Date, Hokkaido (Doehi et al., 1996)
2 Furoshiki	FURSHI	JOMIEJF	Furoshiki, Aomori (Matsuzaki, 1998)
3 Joso	JASO	JOMIEJF	Joso Cave, Iwate (Chikhi, 1997)
4 Enshu	ENSHU	JOMIEJF	Enshu, Sakuma (Ihata, 1992)
5 Yagata	YUGATA	JOMIEJF	Yagata Cave, Niigata (Matsuzaki and Takahashi, 1986)
6 Tachibana	TACHIBANA	JOMIEJF	Tachibana rock-shelter, Niigata (Kobara et al., 2011)
7 Matsuyama No. 2	MATUY2	JOMIEJF	Matsuyama No. 2, Matsuyama (Ogino, 1962)
8 Ochiai	OGACH	JOMIEJF	Ochiai, Toyama (Sakane et al., 2014)
9 Odaiki	ODAKI	JOMIEJF	Odaiki 1, Toyama (Mitsuguchi, n.d.)
10 Miki	MIKI	JOMIEJF	Miki 0-1 and 0-3, Ishikawa (Yamaguchi, 2004)
11 Hoshinaka	HASHIN	JOMIEJF	Hoshinaka, Chiyomiya (Hosoda, 1954)
12 Nakatsugawa	NAKATS	JOMIEJF	Nakatsugawa cave site, Ehime (Doehi, 1976)
13 Kamidake	KAMDAK	JOMIEJF	Kamidake rock shelter site, Ehime (Nakashishi and Chikuchi, 2009)
14 Hagi	HEGI	JOMIEJF	Hegi Cave, Oita (Nishi, 1977)
15 Todoroki	TODOKI	JOMIEJF	Todoroki, Kumamoto (Kaku et al., 2005)
16 Shimomiyama 6	SHIMO6	JOMIEJF	Shimomiyama 6, Nagasaki (Kaku et al., 2017b)
17 Funderumai	FNDMAR	JOMIEJF	Funderumai, Rebus Island, Hokkaido (Matsuzaki et al., 2001)
18 Oyachi	OYACHI	JOMIEJF	Oyachi 1-1, Yakuri, western Hokkaido (Ihata et al., 2009)
19 Takasago (Hakida)	TAKS1	JOMIEJF	Takasago, Akita, Hokkaido (Ihata et al., 1987)
20 Usa C16	USC16	JOMIEJF	Use C16, southwestern Hokkaido (Kanda, 1978)
21 Utsugi No. 8	USN8	JOMIEJF	Utsugi No. 8, Miyazaki-Kyushu, Hokkaido (Doehi and Yamaguchi, 1989)
22 Kakehi	KAKCHI	JOMIEJF	Kakehi, Iwate (Ogino and Matsuzaki, 1971)
23 Ebahima	EBASHI	JOMIEJF	Ebahima, Iwate (Mitsuguchi and Doehi, 2009), Yamaguchi, 1983)
24 Nakatsugawa S-1	NKST1	JOMIEJF	Nakatsugawa S-1, Sakuma-Tachibana, Iwate (Yura et al., 1999)
25 Anoshima	ANOSHIM	JOMIEJF	Anoshima, Miyagi (Ihata and Shigenaga, 1975)
26 Sandoima	SATHIM	JOMIEJF	Sandoima, Miyagi (Doehi, 1981)
27 Saeguri	SAGURI	JOMIEJF	Saeguri, Fukushima (Hasegawa and Yoshida, 1988; Baba, 1988)
28 Nakatama	NAKATS	JOMIEJF	Nakatama, Baraki (Matsuzaki et al., 1998)
29 Horikawa	HORIKAW	JOMIEJF	Horikawa, Chiba (Ozaki et al., 1957)
30 Uchiyama	UCHIYAM	JOMIEJF	Uchiyama, Chiba (Kanda, 1978)
31 Kozori (Suzaki)	KSR S	JOMIEJF	Kozori, Chiba (Suzaki et al., 1976)
32 Kozaki	KOSAKI	JOMIEJF	Kozaki, Chiba (Kozaki et al., 1993)
33 Kusakari	KSKAR	JOMIEJF	Kusakari, Chiba (Hasegawa and Mitsuguchi, 1986)
34 Yahagi	YAHAGI	JOMIEJF	Yahagi shell-mound, Chiba (Hasegawa, 1981)
35 Katsura	KATKAR	JOMIEJF	Katsura, Nagano (Shigenaga, 1975)
36 Shinakake	SHINKAK	JOMIEJF	Shinakake, Nagano (Tanaka, 2003)
37 Do-no-Kakeba No. 7	DNOK7	JOMIEJF	Do-no-Kakeba No. 7, Sado, Niigata (Ogino and Matsuzaki, 1977)
38 Shigakura	SHIGAKU	JOMIEJF	Shigakura, Shizuoka (Hata, 1959)
39 Yoshida	YOSHIDA	JOMIEJF	Yoshida, Aichi (Kikuchi, 1928; Ohta, 1935; Ishikawa, 1931)
40 Harawa	HARAWA	JOMIEJF	Harawa, Aichi (Suzaki et al., 1972; Chira et al., 1989)
41 Kawaji SK02	KAWJ2	JOMIEJF	Kawaji SK02, Aichi (Doehi and Mori, 1997)
42 Hanzawa	HAWAZA	JOMIEJF	Hanzawa, Chiba (Hata and Tagawa, 2000)
43 Tsurumoto	TSURIMO	JOMIEJF	Tsurumoto, Chiyomiya (Kiyama and Miyamoto, 1926; Kiyama and Hata, 1928a, b)
44 Tsuba	TSUBA	JOMIEJF	Tsuba, Chiyomiya (Hasegawa, 1943b)
45 Tashikawa Yoshitaka	TASHIY	JOMIEJF	Tashikawa Yoshitaka, Hiroshima (Suzaki and Fukushima, 1978)
46 Toyonaka-Denten	TOYONAK	JOMIEJF	Toyonaka-Denten Cave, Hiroshima (Mitsuguchi, 1984; Kiyama D.I.K. 2K, 1988)
47 Yamaga	YAMAGA	JOMIEJF	Yamaga shell-mound, Fukushima (Kiyama D.I.K. 2K, 1988)
48 Katsuragi	KATKUR	JOMIEJF	Katsuragi and Kaji shell-mounds, Fukushima (Kiyama D.I.K. 2K, 1988)
49 Hagi (Late Jomon)	HAGI	JOMIEJF	Hagi Cave, Oita (Nishi, 1977)
50 Kakeura	KAKURA	JOMIEJF	Kakeura, Kumamoto (Matsuzaki et al., 1987)
51 Akaia	AKAIYA	JOMIEJF	Akaia, Kumamoto (Ogino, 1962)
52 Goro	GOROY	JOMIEJF	Goro shell-mound, Kumamoto (Kiyama D.I.K. 2K, 1988)
53 Shimoyama	SHIMOY	JOMIEJF	Shimoyama 11, Amami-Oshima, Kagoshima (Ogino et al., 1988a)
54 Upper Leno River	ULR1A	JOMIEJF	Upper Leno River, Siberia (Hollidai, 1942)
55 Angara River	ANGARA	JOMIEJF	Angara River, Siberia (Hollidai, 1944)
56 Bakul	BAKUL	JOMIEJF	Bakul, Russia (Debnar, 1951)
57 Yangshan	YANGSH	JOMIEJF	Yangshan, Qinghai, China (Hua, 1995)
58 Baog	BAOG	JOMIEJF	Baog, Shaanxi, China (Yao et al., 1960)
59 Baog	BAOG	JOMIEJF	Baog, Shaanxi, China (Yao et al., 1962) & Wu and Zhang, 1989)
60 Huajia	HUJIA	JOMIEJF	Huajia, Shaanxi, China (Yao [1962] & Wu and Zhang, 1989)
61 Shap	SHAP	JOMIEJF	Shap, Henan, China (Chen and Wu, 1989)
62 Neihenn	NEIHENN	JOMIEJF	Naxianggong, Henan, China (Shang Chang Chen [n.d.] & Wu and Zhang, 1989)
63 Dawank	DAWANK	JOMIEJF	Dawank, Shandong, China (Yao [1972] & Wu and Zhang, 1989)
64 Hsi-hsia	HSHH	JOMIEJF	Hsi-hsia, Shandong, China (Yao, 1972)
65 Longshang	LONGSH	JOMIEJF	Longshang, Jiangxi, China (Hua, 1979)
66 Tanshan	TANSH	JOMIEJF	Tanshan, Fujian, China (Hua et al., 1975)
67 Zhenpiang	ZHENPIA	JOMIEJF	Zhenpiang, Guangxi, China (Zhang et al., 1977)
68 Hediang	HEDIANG	JOMIEJF	Hediang, Guangxi, China (Hua and Fan, 1982)
69 Ban Kao	BANKAO	JOMIEJF	Ban Kao, Thailand (Krughaugh et al., 1989)
70 Lang Top	LANTOP	JOMIEJF	Lang Top, Flores (Jardri [1987] & Van Heekeren, 1972)
71 Lepenski Vr	LEPENS	JOMIEJF	Lepenski Vr (Group 1), Serbia (Zoffmann, 1983)
72 Vlasac	VLASAC	JOMIEJF	Vlasac, Zoffmann, 1983)
73 Adb Yum	ADBYUM	JOMIEJF	Homa 1, Adb Yum, Israel (Hollidai and Gali, 1981)
74 Nagada	NAQADA	JOMIEJF	Nagada, Egypt (Fawcett in Pearson and Davis, 1924)
75 Okhnamai	OKHNAI	JOMIEJF	Okhnamai, Valakata, Hokkaido (Yamaguchi, 1938)
76 Eritis	ERITIS	JOMIEJF	Eritis, Hokkaido (Kanda, 1978)
77 Enom	ENOM	JOMIEJF	Enom, Moroma, Hokkaido (Ota et al., 1978)
78 Mitsui Uno 6	MUNO6	JOMIEJF	Mitsui Uno 6 site, Iwate, Hokkaido (Doehi, 1982)
79 Hinata Cave	HINATC	JOMIEJF	Hinata Cave site, Yamagata (Kato and Ishida, 1991)
80 Hataki 1	HOK1	JOMIEJF	Isanobu Cave site, Gunma (Kaku, 1992)
81 Aoyashiki	AOYASHI	JOMIEJF	Aoyashiki, Tottori (Kato and Matsuzaki, 2002)
82 Koura	KOURA	JOMIEJF	Koura, Shimane (Kiyama D.I.K. 2K, 1988)
83 Daigahama	DAIGAH	JOMIEJF	Daigahama, Yamaguchi (Kiyama D.I.K. 2K, 1988)
84 Nakashima	NAKASHI	JOMIEJF	Nakashima, Yamaguchi (Kiyama D.I.K. 2K, 1988)
85 Yoshimura	YOSHIMU	JOMIEJF	Yoshimura, Yamaguchi (Nakashishi and Naga, 1985)
86 Kawanuma	KANNUM	JOMIEJF	Kawanuma, Fukushima (Nakashishi et al., 1994)
87 Maedama	MAEDA	JOMIEJF	Maedama 1, Fukui (Doi et al., 1988)
88 Shimizu	SHIMIZU	JOMIEJF	Shimizu, Fukushima (Kiyama D.I.K. 2K, 1988)
89 Arta	ARTA	JOMIEJF	Arta, Fukushima (Nakashishi, 1991a)
90 Hara	HARA	JOMIEJF	Hara, Fukushima (Kiyama D.I.K. 2K, 1988)
91 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
92 Ichizawa	ICHIZAW	JOMIEJF	Ichizawa, Fukushima (Kiyama D.I.K. 2K, 1988)
93 Yushiga	YUSHIGA	JOMIEJF	Yushiga, Fukushima (Kiyama D.I.K. 2K, 1988)
94 Kawanuma-Shikoku	KAKAWA	JOMIEJF	Kawanuma-Shikoku site, Fukushima (Kiyama D.I.K. 2K, 1988)
95 Nagada	NAGADA	JOMIEJF	Nagada, Fukushima (Nakashishi, 1991)
96 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
97 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
98 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
99 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
100 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
101 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
102 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
103 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
104 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
105 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
106 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
107 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
108 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
109 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
110 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
111 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
112 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
113 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
114 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
115 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
116 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
117 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
118 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
119 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
120 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
121 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
122 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
123 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
124 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
125 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
126 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
127 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
128 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
129 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
130 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
131 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
132 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
133 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
134 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
135 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
136 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
137 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
138 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
139 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
140 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
141 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
142 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
143 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
144 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
145 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
146 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
147 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
148 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
149 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
150 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
151 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
152 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
153 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
154 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
155 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
156 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
157 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
158 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
159 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
160 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
161 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
162 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
163 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
164 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
165 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
166 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
167 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
168 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
169 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)
170 Kurokigahama	KURKIG	JOMIEJF	Kurokigahama, Fukushima (Nakashishi, 1991b)

¹ In some cases, the same label was assigned to two or more samples, for example, of different ages found at the same site. Even so, however, they were treated as separate samples when used in analyses.

Appendix 3. The sample means for the first variable set of the skull (Table 1) in 117 male samples of the Neolithic to modern times from all over the world ¹⁾																			
	Sample	Martin's No. 1	No. 5	No. 9	No. 8	No. 17	No. 48	No. 45	No. 52	No. 54	No. 55	Av. temp.	Av. precip.	Av. rel. humid.	Chrono. age	Abs (latitude)	Gr. cir. distance	Av. sample size	
1	JOMZNTM	184.5	104.4	97.0	143.8	139.6	67.3	141.3	32.0	26.5	49.3	14.1	1511.0	66.8	4330.0	36.0	10899.5	52	
2	BAI I	187.1	102.7	92.8	143.0	130.7	73.9	138.9	33.7	26.1	53.4	-1.0	367.3	73.4	7100.0	53.0	8199.0	49	
3	S-EGY	182.5	100.3	91.1	131.6	134.1	68.5	123.6	31.5	24.8	48.8	22.9	0.6	42.0	6000.0	27.0	2456.6	66	
4	NAQAD	185.1	99.3	91.1	134.9	135.2	67.6	125.6	31.9	25.1	48.9	24.6	1.3	41.1	5700.0	26.0	2310.4	105	
5	YAYOYMG	183.0	100.4	96.9	142.0	135.2	72.6	139.2	34.6	26.9	52.9	15.0	1620.0	76.0	2333.3	34.0	10131.3	47	
6	YAYOFUKM	183.9	102.0	95.8	142.4	137.9	74.7	139.8	34.3	27.0	52.6	15.9	854.2	68.5	2200.0	33.7	10075.9	94	
7	EKVEN	192.8	108.3	96.2	134.3	138.9	76.7	140.5	35.4	24.4	55.2	-7.0	300.0	85.0	2000.0	66.0	11754.6	50	
8	TAGAR	186.3	105.1	98.8	142.2	136.6	72.0	137.5	32.4	24.9	52.1	2.0	260.0	64.0	2500.0	51.0	7032.9	68	
9	CHAWH	183.4	100.7	94.2	136.5	135.8	70.7	131.1	31.8	24.8	51.3	8.0	60.0	54.0	3300.0	42.0	6386.0	45	
10	SHANP	188.5	103.5	95.7	137.6	140.2	75.0	131.7	33.1	25.0	54.4	12.0	45.7	43.3	2600.0	37.0	5679.4	26	
11	MURRY	189.1	102.5	87.0	130.5	133.5	70.6	135.6	32.9	28.4	50.0	17.0	260.0	52.0	2100.0	35.0	11897.8	46	
12	BRITS	187.4	101.6	98.0	141.4	132.9	69.1	130.6	33.6	23.7	50.6	8.0	780.0	84.0	2000.0	52.0	6185.6	67	
13	ETR-R	183.0	101.0	96.1	143.7	133.4	70.7	131.9	32.9	24.1	51.6	16.3	662.8	72.8	2400.0	42.0	4704.8	84	
14	POMPE	181.6	99.3	98.7	142.6	131.3	70.7	131.7	34.1	24.1	52.2	15.5	1007.0	72.3	1921.0	41.0	4517.3	53	
15	PN-TP	191.7	104.8	97.2	136.0	138.5	71.2	130.0	32.2	25.5	51.2	14.8	180.5	47.7	4500.0	36.0	3868.9	38	
16	GIZEH	185.3	101.6	94.8	138.9	134.1	70.4	128.7	33.7	24.4	51.7	21.8	19.8	54.7	2500.0	30.0	2782.3	882	
17	N-EGY	181.9	100.8	92.6	138.3	137.4	71.5	127.2	33.3	24.5	51.4	21.8	7.2	51.9	4100.0	29.0	2673.5	38	
18	THEBS	181.9	100.6	93.8	136.6	136.1	68.8	128.3	33.0	25.3	50.6	23.9	1.6	41.0	3300.0	26.0	2310.4	168	
19	LNU-A	182.8	100.7	93.2	134.0	133.7	69.7	127.5	32.2	25.1	50.7	26.1	0.4	27.6	4600.0	23.0	1981.0	98	
20	LNU-D	185.6	101.3	91.3	135.6	133.9	68.5	126.6	32.2	25.1	50.3	26.1	0.4	27.6	2900.0	23.0	1981.0	124	
21	L NUB	182.3	100.8	93.3	132.7	132.2	68.7	126.0	32.3	26.1	48.8	26.1	0.4	27.6	2000.0	23.0	1966.9	111	
22	AKSHA	182.3	100.0	93.1	133.9	133.5	67.5	127.1	32.5	26.7	47.5	25.6	0.4	26.8	2000.0	22.0	1919.5	35	
23	KOFFOKOM	181.6	100.8	94.9	141.0	135.7	72.1	138.7	34.1	26.3	51.6	15.6	1261.6	72.0	1300.0	34.0	10131.3	48	
24	ELTVL	191.0	102.4	96.8	140.9	133.6	70.8	134.1	33.1	24.1	51.9	10.0	490.0	74.0	1400.0	50.0	5600.6	45	
25	ETRUS	183.0	101.0	96.1	143.7	133.4	70.7	131.9	32.9	24.1	50.8	16.3	662.8	72.8	2400.0	42.0	4704.8	84	
26	L-NB2	183.3	99.7	91.5	131.9	131.2	67.5	123.7	32.3	25.5	48.8	26.1	0.4	27.6	1500.0	23.0	1981.0	67	
27	MEDKAMKM	184.8	103.5	94.4	137.6	137.7	66.0	135.6	33.7	26.4	51.5	16.0	1600.0	72.0	700.0	35.0	10923.9	238	
28	IROQU	188.3	106.1	95.5	140.0	137.8	73.5	140.3	34.7	27.2	54.6	8.2	785.9	71.3	500.0	44.0	17410.7	57	
29	PERUV	179.4	99.2	92.4	135.5	137.1	67.7	134.8	34.7	24.2	49.3	7.9	779.1	59.1	500.0	13.0	2467.6	66	
30	MEDCHAMM	181.6	104.4	96.6	140.4	142.1	69.3	140.7	35.2	26.6	54.3	27.3	2126.0	80.9	750.0	15.0	11927.1	60	
31	HAWAI	182.0	106.1	95.9	144.1	141.9	68.6	136.6	35.0	26.4	54.5	22.4	1692.0	77.0	500.0	20.0	16894.7	87	
32	MOKAP	185.9	106.7	97.2	146.2	144.2	68.2	136.9	34.9	26.3	53.0	24.4	815.3	73.1	600.0	21.0	16700.0	63	
33	BOHMN	186.2	101.8	98.0	141.9	138.0	68.1	131.5	32.4	25.2	51.3	8.0	470.0	79.2	1200.0	50.0	5363.5	49	
34	MAGVR	179.7	100.8	96.7	147.6	135.6	72.9	134.7	34.6	25.6	53.8	10.0	620.0	70.4	1200.0	47.0	4968.0	28	
35	FESZR	184.5	102.8	97.4	138.4	136.8	69.0	133.9	32.1	24.7	51.4	10.8	700.0	73.3	1300.0	46.0	4831.4	33	
36	GEOR1	184.6	102.9	97.1	139.7	135.8	71.5	133.3	33.6	24.8	53.4	15.0	1290.0	72.0	1100.0	42.0	4145.1	88	
37	GEOR2	179.8	102.0	100.0	148.1	135.7	70.1	137.3	33.3	24.9	52.7	15.0	1290.0	72.0	800.0	42.0	4145.1	287	
38	GEOR3	179.5	102.8	101.1	149.1	136.3	71.7	138.8	34.4	25.3	53.3	15.0	1290.0	72.0	400.0	42.0	4145.1	120	
39	REIHN	189.4	102.6	97.7	139.8	135.6	70.2	132.2	32.9	24.9	52.6	8.5	718.5	76.5	1400.0	50.0	5557.9	113	
40	SIERR	182.1	101.0	99.9	149.0	133.5	69.7	137.2	32.5	23.8	49.8	9.2	603.3	72.0	500.0	46.0	5251.8	65	
41	VALAI	177.7	100.2	99.6	151.0	132.9	70.9	136.3	32.8	24.1	50.1	9.2	603.3	72.0	500.0	46.0	5251.8	355	
42	COPTS	181.3	98.4	94.3	141.0	129.0	71.3	127.9	34.0	25.0	53.8	21.8	5.5	50.6	1200.0	29.0	2673.5	38	
43	GUANC	185.8	99.9	97.2	143.8	131.1	69.6	134.5	32.9	23.7	50.7	20.7	134.0	68.0	600.0	28.0	5918.8	77	
44	EDOTKYM	182.7	102.4	94.0	140.3	137.9	70.2	135.6	35.1	25.4	53.0	15.0	1520.0	62.0	300.0	36.0	10899.5	158	
45	EDOTKYWM	182.1	100.9	95.0	141.1	137.2	70.2	134.6	34.9	25.4	52.3	15.0	1520.0	62.0	275.0	36.0	10899.5	65	
46	GOINA	181.4	102.5	93.7	137.5	136.4	70.6	130.0	35.9	25.9	51.6	15.0	1520.0	62.0	250.0	36.0	10899.5	45	
47	IKENH	181.9	102.1	93.8	138.9	137.0	71.8	136.1	34.4	26.3	51.8	15.0	1520.0	62.0	250.0	36.0	10899.5	73	
48	EDOFKOKM	183.4	103.0	94.5	138.9	138.5	71.1	137.1	34.0	26.6	51.7	16.0	796.0	68.0	216.7	34.0	10039.9	67	
49	R-AIN	187.6	105.7	95.4	141.0	136.2	73.4	138.6	34.4	25.9	50.6	-0.2	774.1	82.0	49.0	52.0	11252.9	38	
50	HOKKAINM	188.3	105.3	96.7	141.0	137.7	68.8	135.8	34.2	26.2	49.7	6.7	1071.2	76.3	80.7	42.7	10902.2	120	
51	TOHOKUM	181.2	101.5	94.1	139.5	136.3	69.0	133.4	35.1	25.7	52.0	10.8	1326.0	76.3	51.5	39.0	10908.8	61	
52	KANTOM	179.8	101.5	93.9	140.9	138.4	71.2	134.0	34.4	25.3	52.1	13.5	1586.3	73.4	47.3	36.0	10899.5	213	
53	HOKRRKM	183.0	100.9	93.0	139.8	134.5	70.0	135.0	35.2	24.9	51.5	14.0	2560.0	72.0	68.5	37.0	10614.4	30	
54	KINAI	178.4	102.3	93.1	141.0	139.8	72.9	133.4	34.3	26.3	52.5	15.0	1330.0	72.0	76.0	35.0	10567.0	30	
55	KYUSHUM	182.2	103.9	94.0	140.5	141.6	70.7	134.1	34.5	25.5	52.3	16.2	1831.0	73.2	62.0	33.0	10145.4	64	
56	YORON	185.4	101.7	95.2	142.8	136.5	70.0	138.8	34.0	27.3	51.4	21.5	2500.0	75.0	130.0	27.0	9933.9	35	
57	OK-HI	179.1	99.6	92.5	140.3	137.9	65.9	134.3	34.4	25.6	49.7	22.0	2100.0	75.3	72.0	27.0	9933.9	38	
58	HAIMI	180.8	102.1	93.4	139.5	137.5	67.1	135.7	32.6	26.1	51.9	24.0	2150.0	78.0	173.0	24.0	9562.8	33	
59	AS-ES	182.5	102.9	95.1	141.4	135.9	77.7	138.1	35.8	24.8	55.3	-8.5	392.7	76.0	3.0	65.0	11851.8	71	
60	ALEUTM	180.3	99.6	92.2	149.4	128.8	74.9	143.8	36.0	25.3	51.8	5.0	1381.7	75.4	53.7	53.7	13108.5	133	
61	NENET	179.2	98.2	94.2	146.6	129.0	73.9	139.1	34.4	25.0	53.0	-5.4	531.0	81.0	200.0	68.0	7289.5	37	
62	KHANT	181.1	100.8	95.9	143.7	127.2	73.9	139.4	35.4	25.9	53.5	-1.3	500.0	77.0	200.0	62.0	6884.6	114	
63	MANSI	183.9	99.6	92.8	138.5	126.1	70.8	135.3	34.3	26.3	52.5	-1.3	500.0	77.0	200.0	62.0	6884.6	28	
64	SHORS	179.8	97.4	91.2	143.5	132.9	73.0	136.6	33.8	25.0	52.4	2.1	447.0	74.0	150.0	54.0	7130.0	31	
65	BELTY	176.2	99.1	92.0	146.0	130.9	73.2	139.3	34.1	25.1	52.7	1.5	476.2	73.2	150.0	53.0	7194.7	45	
66	SAGZN	177.5	99.6	93.6	148.0	133.8	75.0	141.5	34.7	26.3	54.2	1.5	476.2	73.2	150.0	53.0	7194.7	31	
67	KATSC	181.0	101.7	95.1	147.7	133.4	76.6	141.2	35										

Appendix 4. The sample means for the third variable set of the shell (Table 1) in 237 male samples of the Neolithic to modern times from all over the world ¹

No.	Sample	Martin's No.	No. 9	No. 8	No. 17	No. 48	No. 45	No. 52	No. 54	No. 55	Av. wpp.	Av. prec.	Av. ret. hunter	Classm.	Alt. (meters)	Gr. cr. (meters)	Av. sample size	
1	JOEKNYTM	1875	97.0	143.8	139.6	67.3	141.3	32.0	26.5	40.3	14.1	1511.0	66.8	4330.0	36.0	10899.5	54	
2	BAI1	1841	92.0	140.0	130.7	73.9	138.9	33.7	26.1	53.4	-1.0	367.3	73.4	7100.0	33.0	8199.0	49	
3	CERN	1893	98.5	141.0	140.5	68.8	129.1	32.5	25.7	51.3	11.0	580.0	77.1	5900.0	44.0	4398.1	56	
4	S-HCY	1823	131.6	134.1	68.5	123.6	31.4	24.8	48.8	22.9	16.6	22.0	2456.0	27.0	2456.0	14.0	4386.6	14
5	NAQAD	1811	93.9	135.2	67.6	125.6	31.9	25.1	49.9	24.6	1.3	41.1	5700.0	26.0	2140.4	104	4809.7	63
6	YAYOYMG	1830	96.9	142.0	135.2	72.6	139.2	34.6	26.9	52.0	15.0	1620.0	76.0	2333.3	34.0	10131.3	48	
7	YAYOYKRM	1833	95.8	142.4	137.9	74.7	139.8	34.3	27.0	52.6	15.9	1642.0	68.5	2200.0	33.0	10759.9	49	
8	YAYOYSGM	1834	96.1	143.2	135.7	70.2	139.8	33.8	27.4	51.1	15.5	1284.0	68.0	2200.0	33.0	10047.7	49	
9	EKVEN	1928	96.2	134.3	138.9	76.7	140.5	35.4	24.4	55.2	-7.0	300.0	65.0	200.0	66.0	11754.6	50	
10	TASTY	1917	96.2	140.0	130.7	72.6	134.2	33.6	25.5	51.8	1.4	311.0	68.0	1900.0	54.0	7303.7	30	
11	TAGAR	1963	98.9	142.2	136.6	72.0	137.5	32.4	24.9	52.1	2.0	200.0	64.0	2700.0	51.0	7032.6	68	
12	ZOLT	1852	96.1	140.5	134.6	71.3	137.8	32.8	25.0	50.3	45.0	74.0	200.0	4.7	4626.8	40		
13	SARMT	1840	98.0	146.8	135.0	71.6	133.0	33.3	25.1	51.8	10.4	367.7	76.0	200.0	47.0	4624.0	28	
14	NPLSK	1857	97.1	140.2	136.7	71.7	133.4	32.9	24.8	51.0	10.0	530.0	71.5	200.0	45.0	4404.8	97	
15	TIANS	1935	95.2	141.8	135.7	71.8	131.1	33.1	25.0	52.1	9.4	222.8	57.8	200.0	44.0	6626.8	30	
16	HUNNN	1779	96.1	142.2	136.0	73.3	136.7	34.4	25.5	52.8	2.7	36.4	53.4	100.0	42.0	5947.8	73	
17	USNNN	1781	96.6	145.7	132.8	71.4	136.3	33.7	25.6	52.1	2.7	36.4	53.4	100.0	42.0	5947.8	73	
18	CHAWH	1834	94.2	136.5	135.8	70.7	131.1	33.8	24.8	51.3	8.0	60.0	54.0	330.0	42.0	6386.0	45	
19	SHANP	1885	95.7	137.6	140.2	75.0	131.7	33.1	25.0	54.4	12.0	45.7	43.3	200.0	37.0	5679.4	26	
20	MURRY	1891	97.0	139.5	133.5	70.6	135.6	32.9	24.8	50.0	17.0	200.0	52.0	210.0	55.0	11897.6	46	
21	BRITS	1874	98.0	141.4	132.9	69.1	136.6	33.6	23.7	50.6	8.0	790.0	84.0	200.0	52.0	6165.6	67	
22	LABAY	1822	96.2	143.0	137.1	67.1	132.5	30.2	24.4	49.2	9.0	690.0	84.0	230.0	50.0	5930.9	83	
23	GUILS	1866	96.5	143.2	132.9	70.1	132.3	32.6	24.0	51.5	10.0	630.0	80.0	200.0	48.0	5790.3	73	
24	ETRUS	1875	143.2	133.4	70.8	132.2	31.9	25.1	51.1	81.6	14.1	816.0	74.0	10.0	4784.1	159		
25	ETR-R	1801	96.1	143.7	133.4	70.7	131.9	32.9	24.1	51.6	16.3	662.8	72.8	24.0	4794.8	84		
26	POMPE	1816	98.7	142.6	133.3	70.7	131.7	34.1	24.1	52.2	15.5	1007.0	72.3	1821.0	41.0	4517.3	53	
27	TARRG	1868	96.8	142.0	133.6	71.9	134.8	33.7	24.9	52.9	16.0	590.0	70.0	210.0	41.0	5260.2	87	
28	GRIFF	1868	96.8	140.8	133.0	69.0	131.0	32.9	24.8	50.8	16.5	571.8	65.3	200.0	48.0	3988.3	67	
29	GRIET	1844	96.7	142.5	133.2	69.7	131.1	33.5	24.8	50.8	16.5	571.8	65.3	210.0	38.0	3988.3	60	
30	IRKHO	1895	99.5	142.1	138.1	70.4	133.8	33.5	25.3	50.7	13.5	778.0	71.0	210.0	42.0	4085.5	66	
31	SHARI	1845	97.5	138.5	137.7	71.6	137.6	33.4	25.0	51.4	17.7	100.0	64.0	210.0	41.0	4388.0	57	
32	PN-TP	1917	97.2	136.0	138.5	71.2	130.2	32.5	25.2	51.4	18.0	148.5	60.0	30.0	3869.8	38		
33	LACHI	1845	95.5	136.8	133.8	70.1	128.4	32.9	25.2	51.4	19.7	514.5	61.0	270.0	32.0	2957.7	199	
34	GZEH	1829	94.8	128.9	134.1	70.4	128.7	31.7	24.4	51.7	21.8	13.8	54.7	220.0	30.0	2792.0	880	
35	SAKKA	1850	95.0	141.0	137.0	76.7	131.0	33.0	24.0	52.0	21.8	19.8	54.7	200.0	30.0	2792.3	31	
36	HELLU	1867	94.2	139.4	135.1	71.0	129.4	33.3	26.4	51.3	21.3	20.0	53.8	200.0	30.0	2792.3	35	
37	SIWAH	1842	92.6	135.6	133.5	68.5	125.0	33.1	23.4	50.5	21.5	12.3	45.1	190.0	29.0	2623.0	68	
38	N-GEY	1874	96.8	138.5	137.4	70.4	127.6	33.1	25.6	51.8	25.8	7.2	31.0	20.0	20.0	2673.5	38	
39	NAG-E	1851	95.1	137.1	136.6	72.1	127.6	33.3	25.6	50.7	22.0	10.0	45.0	200.0	27.0	2466.6	37	
40	DENDR	1825	95.3	135.8	131.5	71.0	128.5	32.4	25.6	51.4	23.9	1.6	41.0	230.0	26.0	2310.4	100	
41	THEBS	1856	93.6	136.5	136.1	68.0	128.3	33.0	25.3	50.6	23.9	1.6	41.0	230.0	26.0	2310.4	100	
42	ABY-1	1849	93.0	136.2	132.1	74.7	129.7	33.5	25.5	53.9	24.2	0.5	41.2	200.0	26.0	2327.1	34	
43	SEBIA	1856	91.3	135.6	133.9	68.5	126.6	32.2	25.1	50.3	25.2	1.2	34.1	300.0	25.0	2200.5	121	
44	THEBN	1864	93.6	138.0	131.7	72.0	127.3	33.1	25.0	51.8	25.0	1.1	35.2	210.0	24.0	2218.1	47	
45	QUBBT	1854	94.8	138.7	137.7	71.5	128.9	33.6	26.2	52.9	25.1	1.1	35.2	200.0	25.0	2218.1	265	
46	EL-KN	1822	90.4	134.2	130.1	70.1	125.5	32.3	24.8	49.8	25.0	1.1	35.2	200.0	25.0	2218.1	35	
47	EL-KAS	1827	92.7	135.9	132.9	70.2	125.7	32.8	25.0	48.4	25.0	1.1	35.2	210.0	25.0	2218.1	66	
48	ELFPH	1826	93.5	136.5	137.4	70.4	127.6	33.1	25.6	51.8	25.8	0.5	35.5	210.0	24.0	2087.5	40	
49	LNJ-4	1828	93.2	134.0	133.7	69.7	127.5	32.2	25.1	50.7	26.1	0.4	27.6	400.0	23.0	1981.0	97	
50	LNJ-6	1856	91.3	135.6	133.9	68.5	126.6	32.2	25.1	50.3	26.1	0.4	27.6	200.0	23.0	1981.0	97	
51	L-NUB	1811	93.3	132.7	132.2	68.7	126.2	32.3	26.1	48.8	26.1	0.4	27.6	200.0	23.0	1986.8	121	
52	UN-UB	1849	93.7	133.4	133.0	68.6	126.6	32.3	25.8	49.4	25.6	0.4	26.8	190.0	22.0	1919.5	34	
53	AKSHA	1823	91.1	133.9	133.5	67.5	127.1	32.5	26.7	47.5	25.6	0.4	36.8	200.0	22.0	1919.5	35	
54	KOFKRM	1854	94.9	141.0	137.6	72.1	138.7	34.1	26.3	51.6	15.6	126.5	72.0	120.0	44.0	1013.3	420	
55	N-KAM	1863	96.9	141.4	133.3	70.7	133.7	32.4	26.4	51.5	15.5	625.6	73.3	150.0	58.0	6029.9	41	
56	KOKEL	1850	96.8	145.3	135.3	75.4	139.5	34.3	26.4	52.4	15.2	476.2	73.2	170.0	53.0	727.5	132	
57	KAMNK	1893	96.9	144.7	132.0	73.6	136.4	32.5	25.4	52.5	4.5	544.5	76.0	100.0	53.0	5340.9	29	
58	YULGA	1841	95.4	145.1	137.4	71.2	137.2	33.4	26.0	52.4	15.6	10.0	70.0	100.0	48.0	4916.3	70	
59	LNJ-4	1828	93.2	134.0	133.7	69.7	127.5	32.2	25.1	50.7	26.1	0.4	27.6	400.0	23.0	1981.0	97	
60	SRKLI	1827	97.3	141.5	136.6	71.7	134.6	33.7	25.7	52.9	9.4	524.3	75.0	110.0	48.0	4798.3	34	
61	POJLI	1841	95.1	140.0	135.0	70.0	133.0	33.0	25.0	51.0	17.0	10.0	68.0	20.0	7870.0	10.0	4798.3	34
62	UKRAI	1869	95.2	137.7	136.7	70.8	131.3	33.0	24.9	51.8	9.0	424.0	73.5	170.0	47.0	4631.6	56	
63	SKALI	1803	97.3	141.8	132.8	69.7	133.1	33.2	25.4	49.9	10.0	530.0	71.5	120.0	45.0	4464.8	55	
64	ESKIK	1750	97.0	147.8	132.6	69.3	136.8	32.5	24.6	51.1	10.0	530.0	71.5	100.0	45.0	4464.8	118	
65	CK-60	1881	98.7	145.2	133.4	71.2	136.0	33.2	26.1	51.5	14.5	10.0	71.5	100.0	45.0	4464.8	90	
66	GOLDN	1769	96.2	146.2	132.6	71.2	135.2	32.8	25.5	51.8	9.9	187.9	67.8	100.0	47.0	4788.4	38	
67	S-ARA	1827	100.6	143.1	137.1	73.7	135.4	33.5	25.9	52.2	8.9	120.0	62.0	100.0	44.0	4444.7	34	
68	TON-K	1845	96.2	145.8	135.8	71.6	136.8	33.4	25.9	52.4	15.0	10.0	68.0	20.0	7870.0	10.0	4444.7	34
69	MINGE	1885	96.6	135.0	135.1	71.5	130.8	33.1	25.2	53.7	15.2	40.0	64.2	170.0	40.0	4661.5	32	
70	BARA	1874	99.3	140.4	137.8	74.0	133.9	33.0	25.4	53.9	15.0	186.0	49.0	100.0	36.0	4479.0	43	
71	KIVIT	1859	96.9	140.8	133.0	69.0	131.0	32.9	24.8	50.8	16.5	571.8	65.3	200.0	48.0	3988.3	67	
72	OSTRO	1852	97.9	140.9	136.0	69.0	132.4	33.8	24.6	49.5	8.0	510.0	79.2	110.0	53.0	5564.0	324	
73	CEVDN																	