**Supplementary Material 1 from Loy et al ‘Developmental instability and phenotypic evolution in a small and isolated bear population’**

List and details of specimens analysed. PNALM= National Park of Abruzzo, Lazio and Molise; SRMNH = Swedish Royal Museum of Natural History; ZMUC = Zoological Museum University if Copenhagen; NHMW = Naturhistorisches Museum Wien; CT = CT scanning; P = 108 pictures recorded for photogrammetric reconstructions

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| **Collection** | **Specimen number** | **Locality** | **Country** | **Record type** |
| PNALM | 160 | Alta Marsica, PNALM | Italy | CT |
| PNALM | 164 | Val Fondillo, PNALM | Italy | CT |
| PNALM | 170 | Ferroio di Scanno, PNALM | Italy | CT |
| PNALM | 173 | Alta Marsica, PNALM | Italy | CT |
| PNALM | 178 | Villavallelonga, PNALM | Italy | CT |
| PNALM | 179 | Lecce Vecchio, PNALM | Italy | CT |
| PNALM | 181 | Vallone Selvabella, PNALM | Italy | CT |
| PNALM | 183 | PNALM | Italy | CT |
| PNALM | 185 | Civitella Roveto, PNALM | Italy | CT |
| PNALM | 187 | Metuccia, PNALM | Italy | CT |
| PNALM | 212 | Colle San Rocco, PNALM | Italy | CT |
| PNALM | 259 | Villavallelonga, PNALM | Italy | CT |
| PNALM | 260 | Terraegna, PNALM | Italy | CT |
| PNALM | 262 | Val Fondillo, PNALM | Italy | CT |
| PNALM | 696 | Zoological Garden, Pescasseroli, PNALM | Italy | CT |
| ISPRA | 353 | Val Canale, PNALM | Italy | P |
| ISPRA | 354 | Valle di Cerro, PNALM | Italy | P |
| SRMNH | 20025093 | Arjeplog, Rävudden, Pite lappmark | Sweden | P |
| SRMNH | 20035117 | Arjeplog, Arvesjaur, Pite lappmark | Sweden | P |
| SRMNH | 20045284 | Arjeplog, Pite lappmark | Sweden | P |
| SRMNH | 20045286 | Jokkmokk, Nausta, , Lule lappmark | Sweden | P |
| SRMNH | 20045313 | Jokkmokk, Larve, Lule lappmark | Sweden | P |
| SRMNH | 20065228 | Kangos, Hukanmaa, Norrbotten | Sweden | P |
| SRMNH | 20065229 | Hakkas, Haukivuoma, Lule lappmark | Sweden | P |
| SRMNH | 20065248 | Hotagen, Marsfjället, Jämtland | Sweden | P |
| SRMNH | 20065400 | Fulufjället, Morbäckssätern, Dalarna | Sweden | P |
| SRMNH | 20085232 | Sareks Nationalpark, S Ritatjåkkå, Lule lappmark | Sweden | P |
| SRMNH | 20085236 | Kvikkjokk, Skieltavare, Lule lappmark | Sweden | P |
| SRMNH | 20105373 | Jokkmokk, Slakka, Lule lappmark | Sweden | P |
| SRMNH | 20105391 | Gällivare, Malmberget, Lule lappmark | Sweden | P |
| SRMNH | 20125837 | Vuoggatjålme, Båimatjgurra, Pite lappmark | Sweden | P |
| SRMNH | 20125840 | Suddesjau, Grubbtjärn, Pite lappmark | Sweden | P |
| SRMNH | 20125846 | Arjeplog, Nipetjåkkå, Lule lappmark | Sweden | P |
| ZMUC | 1896 | Norway | Norway | P |
| ZMUC | 1899 | Norway | Norway | P |
| ZMUC | 1900 | Norway | Norway | P |
| ZMUC | 1901 | Norway | Norway | P |
| ZMUC | 1906 | Norway | Norway | P |
| NHMW | 40606 | Kamchatcka | Russia | P |
| NHMW | 40608 | Kamchatcka | Russia | P |
| NHMW | 40609 | Kamchatcka | Russia | P |
| NHMW | 40611 | Kamchatcka | Russia | P |
| NHMW | 40640 | Kamchatcka | Russia | P |
| NHMW | 40642 | Kamchatcka | Russia | P |
| NHMW | 40645 | Kamchatcka | Russia | P |
| NHMW | 40646 | Kamchatcka | Russia | P |
| NHMW | 40647 | Kamchatcka | Russia | P |