**SUPPLEMENTARY MATERIAL**

**Supplementary Table 1.** Detail list of studied specimens. X = considered, / = not considered, GM = geometric morphometrics, Mw = microwear analyses. It was not possible to connect fossil specimens for GM and Mw because they were not individually numbered, and different arbitrary numbers were given for GM (F) and Mw (T). For Mw, only 14 specimens whose wear facets were usable could have been analysed on 26 casts.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **n° collection** | **Modern/fossil** | **Species** | **Country** | **Locality** | **Sex** | **Considered teeth** | **GM** | **Mw** | **Remarks** |
| MNHN-CG 1972-84 | modern | *Arvicanthis abyssinicus* | Ethiopia | 30km Gondar - Axum road | F | M1D | X | X |  |
| MNHN-CG 1972-91 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | M | M1D | X | X |  |
| MNHN-CG 1972-92 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | M | M1D | X | X |  |
| MNHN-CG 1972-93 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | M | M1G | X | / |  |
| MNHN-CG 1972-94 | modern | *Arvicanthis abyssinicus* | Ethiopia | 30km Gondar - Axum road | M | M1D | X | X |  |
| MNHN-CG 1972-95 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km SW Gondar road | M | M1D | X | X |  |
| MNHN-CG 1972-96 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | M | M1D | / | X |  |
| MNHN-CG 1972-97 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | M | M1D | / | X |  |
| MNHN-CG 1972-99 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | M | M1D | / | X |  |
| MNHN-CG 1972-100 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | M | M1D | X | X |  |
| MNHN-CG 1972-101 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | F | M1G | X | / |  |
| MNHN-CG 1972-106 | modern | *Arvicanthis abyssinicus* | Ethiopia | 30km Gondar - Axum road | F | M1D | X | X |  |
| MNHN-CG 1972-107 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | F | M1D | / | X |  |
| MNHN-CG 1972-109 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | F | M1D | / | X |  |
| MNHN-CG 1972-111 | modern | *Arvicanthis abyssinicus* | Ethiopia | 30km Gondar - Axum road | F | M1D | X | X |  |
| MNHN-CG 1972-112 | modern | *Arvicanthis abyssinicus* | Ethiopia | 30km Gondar - Axum road | F | M1D | X | X |  |
| MNHN-CG 1972-121 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | M | M1D | X | X |  |
| MNHN-CG 1972-124 | modern | *Arvicanthis abyssinicus* | Ethiopia | Marguerite Lake | M | M1D | / | X |  |
| MNHN-CG 1972-138 | modern | *Arvicanthis abyssinicus* | Ethiopia | 20km Addis Abeba - Gondar road | F | M1D | X | X |  |
| MNHN-CG 2004-734 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | / | X |  |
| MNHN-CG 2004-735 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | / | X |  |
| MNHN-CG 2004-737 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-738 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-739 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-740 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | M | M1D | X | X |  |
| MNHN-CG 2004-741 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | M | M1D | X | X |  |
| MNHN-CG 2004-742 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | M | M1D | X | X |  |
| MNHN-CG 2004-743 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-744 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-745 | modern | *Arvicanthis ansorgei* | Mali | Djoliba (12° 24' 0'' N ; 8° 20' 49.2'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-746 | modern | *Arvicanthis ansorgei* | Mali | Djoliba (12° 24' 0'' N ; 8° 20' 49.2'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-747 | modern | *Arvicanthis ansorgei* | Mali | Djoliba (12° 24' 0'' N ; 8° 20' 49.2'' W) | M | M1D | X | X |  |
| MNHN-CG 2004-748 | modern | *Arvicanthis ansorgei* | Mali | Djoliba (12° 24' 0'' N ; 8° 20' 49.2'' W) | M | M1D | X | X |  |
| MNHN-CG 2004-1079 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-1080 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | F | M1D | X | X |  |
| MNHN-CG 2004-1081 | modern | *Arvicanthis ansorgei* | Mali | Samaya (12° 33' 0'' N ; 8° 3' 0'' W) | M | M1D | X | X |  |
| MNHN-CG 1972-77 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-78 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-79 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-80 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-81 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-82 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-83 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-85 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-86 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-87 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-88 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | / |  |
| MNHN-CG 1972-89 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-90 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-145 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | / |  |
| MNHN-CG 1972-146 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | M | M1D | X | X |  |
| MNHN-CG 1972-147 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-148 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | / | X |  |
| MNHN-CG 1972-149 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-150 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | X |  |
| MNHN-CG 1972-151 | modern | *Arvicanthis blicki* | Ethiopia | Dirsho Balé | F | M1D | X | / | metallized tooth (for SEM picture) |
| MNHN-CG 1978-195 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | X |  |
| MNHN-CG 1978-196 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | X |  |
| MNHN-CG 1978-197 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1978-198 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1978-199 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1978-200 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1978-201 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | / |  |
| MNHN-CG 1978-202 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | X |  |
| MNHN-CG 1978-203 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | / |  |
| MNHN-CG 1978-204 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | M | M1D | X | X |  |
| MNHN-CG 1978-205 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | / |  |
| MNHN-CG 1978-206 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1978-207 | modern | *Arvicanthis neumanni* | Ethiopia | 30km N of Kalam - SW Ethiopia | F | M1D | X | X |  |
| MNHN-CG 1959-267 | modern | *Arvicanthis niloticus* | Niger | Amalaoli, Aïr | M | M1D | X | X |  |
| MNHN-CG 1959-268 | modern | *Arvicanthis niloticus* | Niger | Telouess, Aïr | M | M1D | X | X |  |
| MNHN-CG 1959-269 | modern | *Arvicanthis niloticus* | Niger | Telouess, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-270 | modern | *Arvicanthis niloticus* | Niger | Amalaoli, Aïr | F | M1D | / | X |  |
| MNHN-CG 1959-271 | modern | *Arvicanthis niloticus* | Niger | Amalaoli, Aïr | F | M1D | / | X |  |
| MNHN-CG 1959-272 | modern | *Arvicanthis niloticus* | Niger | Amalaoli, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-273 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | M | M1D | X | X |  |
| MNHN-CG 1959-274 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | M | M1D | / | X |  |
| MNHN-CG 1959-275 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | M | M1G | X | X |  |
| MNHN-CG 1959-276 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | M | M1D | X | X |  |
| MNHN-CG 1959-277 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-278 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | M | M1D | X | / |  |
| MNHN-CG 1959-279 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-280 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-281 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1G | X | X |  |
| MNHN-CG 1959-282 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-283 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-284 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1959-285 | modern | *Arvicanthis niloticus* | Niger | Tabelot, Aïr | F | M1D | X | X |  |
| MNHN-CG 1970-338 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1G | X | X |  |
| MNHN-CG 1970-339 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1D | X | X |  |
| MNHN-CG 1970-340 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1D | X | / |  |
| MNHN-CG 1970-341 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1D | X | X |  |
| MNHN-CG 1970-343 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1D | X | X |  |
| MNHN-CG 1970-344 | modern | *Arvicanthis niloticus* | Mali | Mopti region | M | M1D | X | X |  |
| MNHN-CG 1970-345 | modern | *Arvicanthis niloticus* | Mali | Mopti region | F | M1D | X | X |  |
| MNHN-CG 1970-347 | modern | *Arvicanthis niloticus* | Mali | Mopti region | F | M1D | X | X |  |
| MNHN-CG 1970-348 | modern | *Arvicanthis niloticus* | Mali | Mopti region | F | M1D | X | X |  |
| MNHN-CG 1970-349 | modern | *Arvicanthis niloticus* | Mali | Mopti region | F | M1D | X | X |  |
| MNHN-CG 1970-351 | modern | *Arvicanthis niloticus* | Mali | Bamako (Samaya) | F | M1D | X | X |  |
| MNHN-CG 1970-352 | modern | *Arvicanthis niloticus* | Mali | Mopti region | F | M1D | X | X |  |
| MNHN-CG 2003-496 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | / |  |
| MNHN-CG 2003-497 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | / | X |  |
| MNHN-CG 2003-498 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-499 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-500 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-501 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-502 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-503 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | / | X |  |
| MNHN-CG 2003-504 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | F | M1D | X | X |  |
| MNHN-CG 2003-505 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-507 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | X |  |
| MNHN-CG 2003-506 | modern | *Arvicanthis niloticus* | Sudan 1 | El Sabaloga | M | M1D | X | / |  |
| MNHN-CG 2003-508 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-509 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | F | M1D | X | X |  |
| MNHN-CG 2003-510 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-511 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X | selected for repetition test |
| MNHN-CG 2003-512 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X | selected for repetition test |
| MNHN-CG 2003-513 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X | selected for repetition test |
| MNHN-CG 2003-514 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-515 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-517 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-518 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | X |  |
| MNHN-CG 2003-519 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | F | M1D | X | X |  |
| MNHN-CG 2003-516 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | M | M1D | X | / |  |
| MNHN-CG 2003-520 | modern | *Arvicanthis niloticus* | Sudan 2 | Dongola | F | M1D | X | / |  |
| T2 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T6 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T7 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | ? | X |  |
| T8 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T9 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | ? | X |  |
| T10 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | ? | X |  |
| T12 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T14 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T15 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | ? | X |  |
| T19 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | ? | X |  |
| T20 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T21 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T24 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| T25 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | ? | X |  |
| TR29 (Paratype) | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | / | metallized tooth (for SEM picture) |
| F1 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F2 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F4 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F5 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F6 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F8 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F10 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F11 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F15 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F17 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F18 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F19 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F23 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F24 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F28 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F31 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F32 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F33 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F34 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F35 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1D | X | ? |  |
| F37 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F38 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |
| F40 | fossil | *Arvicanthis arambourgi* | Algeria | Tighennif | ? | M1G | X | ? |  |