SUPPLEMENTARY MATERIALS FOR THE ARTICLE BY **Anna Radko, Magdalena Pieszka,Agnieszka Szumiec**

**„Application of microsatellite DNA markers for the genetic identification of selected hybrid dog breeds”**

Published in: Folia Biologica (Kraków), vol. 73 (2025), No 3. DOI: https://doi.org/doi.org/10.3409/fb\_73-3.12

|  |
| --- |
| **Table S1. Case 1 DNA profiles established for the studied dogs** |
|  | Aht121 | Aht137 | Ahth171 | Ahth260 | Ahtk211 | Ahtk253 | Cxx279 | Fh2054 | Fh2848 | Inra21 | Inu005 | Inu030 | Inu055 | Ren162c04a | ren169d01 | ren169o18 | Ren247m23 | Ren54p11 | Ahth130 | ren105l03 | Ren64e19 |
| Mother3390 | 98/98 | 137/147 | 219/219 | 242/246 | 93/95 | 286/292 | 120/126 | 168/176 | 238/238 | 97/103 | 126/128 | 144/152 | 214/214 | 204/208 | 216/220 | 164/168 | 272/272 | 232/234 | 121/125 | 241/241 | 153/153 |
| Father13391  | 96/96 | 131/133 | 219/237 | 242/242 | 93/93 | 286/292 | 126/126 | 164/168 | 238/238 | 95/99 | 126/128 | 152/152 | 210/218 | 204/206 | 202/212 | 164/170 | 272/272 | 234/238 | 121/121 | 235/235 | 153/153 |
| Pup13385 | 96/98 | 133/137 | 219/219 | 242/242 | 93/93 | 286/292 | 126/126 | 168/176 | 238/238 | 99/103 | 126/126 | 144/152 | 210/214 | 206/208 | 202/220 | 164/164 | 272/272 | 234/238 | 121/121 | 235/241 | 153/153 |
| Pup23386 | 96/98 | 131/137 | 219/237 | 242/242 | 93/95 | 286/286 | 120/126 | 164/168 | 238/238 | 99/103 | 126/128 | 144/152 | 214/218 | 206/208 | 202/220 | 164/168 | 272/272 | 234/238 | 121/125 | 235/241 | 153/153 |
| Pup33387  | 96/98 | 131/137 | 219/219 | 242/246 | 93/93 | 286/292 | 126/126 | 168/168 | 238/238 | 99/103 | 126/128 | 144/152 | 214/218 | 204/204 | 212/216 | 164/164 | 272/272 | 234/234 | 121/121 | 235/241 | 153/153 |
| Pup43388 | 96/98 | 131/137 | 219/219 | 242/242 | 93/93 | 286/292 | 126/126 | 164/176 | 238/238 | 99/103 | 126/128 | 144/152 | 210/214 | 206/208 | 202/216 | 168/170 | 272/272 | 232/238 | 121/125 | 235/241 | 153/153 |
| Pup53389 | 96/98 | 133/147 | 219/219 | 242/246 | 93/95 | 292/292 | 120/126 | 164/176 | 238/238 | 95/103 | 128/128 | 152/152 | 214/218 | 204/206 | 202/220 | 164/168 | 272/272 | 232/238 | 121/121 | 235/241 | 153/153 |
| Father23392 | 98/102 | 137/137 | 219/225 | 252/252 | 87/87 | 288/288 | 118/124 | 156/160 | 234/238 | 95/95 | 124/128 | 144/144 | 210/210 | 202/206 | 216/220 | 162/168 | 272/278 | 222/226 | 123/139 | 229/229 | 139/145 |
| Pup63379 | 98/98 | 137/147 | 219/225 | 242/252 | 87/93 | 286/288 | 118/126 | 160/176 | 234/238 | 95/97 | 126/128 | 144/152 | 210/214 | 202/208 | 220/220 | 162/164 | 272/278 | 226/234 | 125/139 | 229/241 | 145/153 |
| Pup73380 | 98/102 | 137/137 | 219/225 | 246/252 | 87/95 | 286/288 | 118/120 | 160/168 | 234/238 | 95/97 | 126/128 | 144/144 | 210/214 | 202/208 | 216/220 | 162/168 | 272/272 | 222/234 | 121/123 | 229/241 | 139/153 |
| Pup83381 | 98/102 | 137/147 | 219/225 | 242/252 | 87/93 | 286/288 | 118/126 | 160/176 | 234/238 | 95/97 | 124/128 | 144/152 | 210/214 | 202/204 | 216/220 | 164/168 | 272/272 | 226/234 | 121/123 | 229/241 | 145/153 |
| Pup93382 | 98/102 | 137/147 | 219/225 | 246/252 | 87/95 | 286/288 | 118/120 | 156/176 | 234/238 | 95/97 | 128/128 | 144/152 | 210/214 | 206/208 | 220/220 | 162/168 | 272/272 | 226/232 | 125/139 | 229/241 | 139/153 |
| Pup103383 | 98/98 | 137/147 | 219/225 | 242/252 | 87/95 | 288/292 | 118/120 | 160/168 | 234/238 | 95/103 | 124/128 | 144/152 | 210/214 | 202/204 | 216/220 | 164/168 | 272/278 | 226/234 | 121/123 | 229/241 | 145/153 |
| Pup113384 | 98/98 | 137/137 | 219/219 | 246/252 | 87/93 | 288/292 | 118/126 | 160/168 | 238/238 | 95/103 | 126/128 | 144/144 | 210/214 | 204/206 | 216/216 | 168/168 | 272/278 | 222/232 | 123/125 | 229/241 | 139/153 |

|  |
| --- |
| **Table S2. Case 2 DNA profiles established for the studied dogs** |
|  | Aht121 | Aht137 | Ahth171 | Ahth260 | Ahtk211 | Ahtk253 | Cxx279 | Fh2054 | Fh2848 | Inra21 | Inu005 | Inu030 | Inu055 | Ren162c04a | ren169d01 | ren169o18 | Ren247m23 | Ren54p11 | Ahth130 | ren105l03 | Ren64e19 |
| Father218 | 100/100 | 131/151 | 225/225 | 250/250 | 91/91 | 288/294 | 120/130 | 152/160 | 232/242 | 101/103 | 126/126 | 150/150 | 214/214 | 206/208 | 212/216 | 162/164 | 272/274 | 226/226 | 121/121 | 233/241 | 139/143 |
| puppy3131 | 96/100 | 131/147 | 233/235 | 246/250 | 91/95 | 280/288 | 116/120 | 152/168 | 238/240 | 91/101 | 110/132 | 150/152 | 210/212 | 202/208 | 202/216 | 162/162 | 270/272 | 226/234 | 121/131 | 231/241 | 139/143 |

Genotypes that exclude puppy no. 3131 as the offspring of the indicated sire are marked in red.