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** | | | | | | | | | | | | | | | | | | | | | | |
|  | Aht  121 | Aht  137 | Ahth  171 | Ahth  260 | Ahtk  211 | Ahtk  253 | Cxx  279 | Fh  2054 | Fh  2848 | Inra  21 | Inu  005 | Inu  030 | Inu  055 | Ren  162c04a | ren1  69d01 | ren1  69o18 | Ren  247m23 | Ren  54p11 | Ahth  130 | ren1  05l03 | Ren  64e19 |
| Mother  3390 | 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 |
| Father1  3391 | 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 |
| Pup1  3385 | 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 |
| Pup2  3386 | 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 |
| Pup3  3387 | 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 |
| Pup4  3388 | 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 |
| Pup5  3389 | 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 |
| Father2  3392 | 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 |
| Pup6  3379 | 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 |
| Pup7  3380 | 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 |
| Pup8  3381 | 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 |
| Pup9  3382 | 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 |
| Pup10  3383 | 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 |
| Pup11  3384 | 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** | | | | | | | | | | | | | | | | | | | | | |
|  | Aht  121 | Aht  137 | Ahth  171 | Ahth  260 | Ahtk  211 | Ahtk  253 | Cxx  279 | Fh  2054 | Fh  2848 | Inra  21 | Inu  005 | Inu  030 | Inu  055 | Ren  162c04a | ren1  69d01 | ren1  69o18 | Ren  247m23 | Ren  54p11 | Ahth  130 | ren1  05l03 | Ren  64e19 |
| Father  218 | 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 |
| puppy  3131 | 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.