

Supplementary Material

Sex determining region Y (*SRY*) sequencing and non-invasive molecular sexing in three wild species: brown (*Parahyaena brunnea*) and spotted (*Crocuta crocuta*) hyenas and aardvark (*Orycteropus afer*)

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Fig. S1. ClustalW sequence comparisons of the *SRY* gene fragments in both hyenas, cat and dog.

Supplementary Figure S1. ClustalW comparison of the SRY gene fragments.

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Crocuta_crocuta_MK168339      GAACTTTGCACGGAGAGTCTACCTCCAATTACCGGTGTGAAATGAGAGG
Parahyaena_brunnea_MK168338  GAACTTTGCACGGAGAGTCTACCTCCAATTACCGGTGTGAAATGAGAGG
Felis_catus_AY424645         GAACTTTGCACGGAGAGTCTACCTCCAATTACCGGTGTGAAACCAGAGG
Canis_familiaris_AF107021    GACCGTTGGACGGACAATTCAACCTCGAATTATCGGTGTGAAAGCGGAGG
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Crocuta_crocuta_MK168339      AACAGTAGAGGGAGCGGTTCAGAGCCGCGTCAAACGACCCATGAACGCAT
Parahyaena_brunnea_MK168338  AACAGTAGAGGGAGCGGTTCAGAGCCGCGTCAAACGACCCATGAACGCAT
Felis_catus_AY424645         AAAGGGTAGAGACCGCGGTTCAGAGCCGCGTCAAACGACCCATGAACGCAT
Canis_familiaris_AF107021    AACCGGTAGAGACAGCGGCCGCAATCGCGTTCAGAGCACCATGAACGCAT
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Crocuta_crocuta_MK168339      TCATGGTGTGGTCTTGTGATCAAAGGCGGAAAGTGGCTCTAGAGAATCCC
Parahyaena_brunnea_MK168338  TCATGGTGTGGTCTCGTGATCAAAGGCGGAAAGTGGCTCTAGAGAATCCC
Felis_catus_AY424645         TCATGGTGTGGTCTCGAGACCAAAGGCGCAAGGTGGCTCTAGAGAATCCC
Canis_familiaris_AF107021    TCTTGGTGTGGTCTCGCGATCAAAGGCGCAAGATGGCTCTAGAGAATCCC
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Crocuta_crocuta_MK168339      CAAATGCAAAATTCAGAGATCAGCAAGCAGCTGGGGTACCAGTGGAAAAAT
Parahyaena_brunnea_MK168338  CAAATGCAAAATTCAGAGATCAGCAAGCAGCTGGGGTACCAGTGGAAAAAT
Felis_catus_AY424645         CAAACGCAAAACTCAGAGATCAGCAAGCAGCTGGGGTACCAGTGGAAAAAT
Canis_familiaris_AF107021    CAAATGCAAAACTCAGAGATCAGCAAGCAGCTGGGGTACCAGTGGAAAAAT
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Crocuta_crocuta_MK168339      GCTTACAGAAGCCGAAAAATGGCCGTTCTTCGAGGAGGCACAGAGACTAC
Parahyaena_brunnea_MK168338  GCTTACAGAAGCCGAAAAATGGCCGTTCTTCGAGGAGGCACAGAGACTAC
Felis_catus_AY424645         GCTTACACAAGCCGAAAAATGGCCGTTCTTCGAGGAGGCACAGAGACTAC
Canis_familiaris_AF107021    GCTTACAGAAGCCGAAAAATGGCCATCTCTTCGAGGAGGCACAGAGACTAC
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Crocuta_crocuta_MK168339      AGGCCTGCACCGAGAGAAGTACCTGACTATAAATACCGACCTCGTCGG
Parahyaena_brunnea_MK168338  AGGCCTGCACCGAGAGAAGTACCTGACTATAAATACCGACCTCGTCGG
Felis_catus_AY424645         AGGCGCTGCACCGAGAGAAATACCCGGGCTATAGATACCGACCTCGTCGG
Canis_familiaris_AF107021    AGGCCATGCACCGAGAGAAATACCCGGACTATAAATACCGACCTCGTCGG
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Crocuta_crocuta_MK168339      AAGGCCACGCCGAGAAAAAGTGACAAATTTGGTGCCCGCAGAC---TCGTC
Parahyaena_brunnea_MK168338  AAGGCCACGCCGAGAAAAAGTGACAAATTTGGTTCCCGCAGAC---TCGTC
Felis_catus_AY424645         AAGGCCAGGCCAGAGAAAAAGTGACAAATTTGCCCCCGCAGACGCCTCGTC
Canis_familiaris_AF107021    AAGGCCACGGCACAGAAAAAGTCACAAATTTGCTACCTGCAGCCTCCTCCTC
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Crocuta_crocuta_MK168339      CATACTCTGCCGGCAGTGGCACGTTGAAGAGAGGTTGTATCCCTCCGCCT
Parahyaena_brunnea_MK168338  CATACTCCGCCGGCAGTGGCACGTTGAAGAGAGGTTGTATCCCTCCGCCT
Felis_catus_AY424645         CACACTCTGTAGTCAGCTGCACGCGGGAGAGAGGTTGTACGCCTTCCCTC
Canis_familiaris_AF107021    CATGCTATGCAAGCAGGTGCACGTAGATGAGAGGTTCTACCCCTCACCT
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Crocuta_crocuta_MK168339      GCAGGCACGGCTGTACGAAGGCTGCGCACCCACGAATGAAGGACCAGTTA
Parahyaena_brunnea_MK168338  GCAGGCACGGCTGTACGAAGGCTGCGCACCCACGAATGAAGGACCAGTTA
Felis_catus_AY424645         ACAAGGACGGCTGTACGAAGGCTGCACACTCAGGAATGAAGGACCAGTTA
Canis_familiaris_AF107021    ACACGGACAGCTGTAGTAGGGCTGCACACACGAATGAAGGACCAGTTA
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Crocuta_crocuta_MK168339      AACTCCTCTGCAGAACCCAGGAACAGAGCCAGCTCGCTGCTGCAACCGGA
Parahyaena_brunnea_MK168338  AACTCCTCTGCAGAACCCAGGAACAGAACAGCTCGCTGCTGCAACCGGA
Felis_catus_AY424645         TACTCCTCTCGGAACCCATGAGCATAACCAGCTCGCTGCTGGAACCGGG
Canis_familiaris_AF107021    AGCTGCTC---ACAACCCATGAGCACAGCCAGGTCGCTGCTGCAACAGGA
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Crocuta_crocuta_MK168339      GCCTCACAGGAGCTCCACAACCCCTCAAGACAGACCGGAAGCCGTGGCTG
Parahyaena_brunnea_MK168338  GCCTCACAGGAGCTCCACAACCCCTCAAGACAGACCGGAAGCCGTGGCTG
Felis_catus_AY424645         ACCTCACAGGACCTCCACAACCCCTCAAGACAGTCTGAAGACTTGCTGTA
Canis_familiaris_AF107021    GTACCACAGCAGCTCCGCAAGCCTCCGTGACAGTCCGGAACCTTGCCGG
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Crocuta_crocuta_MK168339      TGCAGTCCCGCGGATGCTCCCTTTATCGTACCTT
Parahyaena_brunnea_MK168338  TGCAGTCCCGCGGATGCTCCCTTTATCGTACCTT
Felis_catus_AY424645         TGCAGTCTCCGCGGATGCTCCCTTTATCGTACCTT
Canis_familiaris_AF107021    CACAGATGTCCGCTGACGCTTCTTTTACTCTAAGTA
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