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Show:

1: AY235571. Gallus gallus mit...[gi:28629852]

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LOCUS AY235571 16782 bp DNA circular VRT 02-MAR-2003
 DEFINITION Gallus gallus mitochondrion, complete genome.
 ACCESSION AY235571
 VERSION AY235571.1 GI:28629852
 KEYWORDS .
 SOURCE mitochondrion Gallus gallus (chicken)
 ORGANISM [Gallus gallus](#)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Archosauria; Aves; Neognathae; Galliformes; Phasianidae;
 Phasianinae; Gallus.
 REFERENCE 1 (bases 1 to 16782)
 AUTHORS Okimoto,R., Froman,D., Pratchard,L., Locovare,H. and Kirby,J.
 TITLE The complete DNA sequence of a chicken mitochondrial genome
 associated with maternal type that exhibits low sperm mobility
 JOURNAL Unpublished
 REFERENCE 2 (bases 1 to 16782)
 AUTHORS Okimoto,R., Froman,D., Pratchard,L., Locovare,H. and Kirby,J.
 TITLE Direct Submission
 JOURNAL Submitted (10-FEB-2003) DNA Resource Center, University of
 Arkansas, POSC O-114, Fayetteville, AR 72701, USA
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 /organelle="mitochondrion"
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[rRNA](#) 1302..2276
 /product="12S ribosomal RNA"
[tRNA](#) 2277..2349
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 /protein_id="[AAO44997.1](#)"
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IMLSGNYTLSTLAI TQEPIYLI FSAWPLAMMWYISTLAETNRAPFDLTEGESELVSGF
NVEYAAGPFAMFFLAEYANIMLMNTLT TVLFLNPSFLNLPPELFPIALATK TLLLSSS
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tRNA complement(5105..5175)
/product="tRNA-Gln"
tRNA 5176..5243
/product="tRNA-Met"
gene 5244..6284
/gene="ND2"
CDS 5244..6284
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STLIGGWMGLNQTQTRKILAFSSISHLGMIMIISYNPQLTILTFILYTIMTSTVFLS
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tRNA complement(6511..6576)
/product="tRNA-Cys"
tRNA complement(6576..6646)
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CDS 6648..8198
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WDP PMLWALGFIFLFTIGGLTGIVLANSSLDIALHDTYYVVAHFHYVLSMGAVFAILA
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/product="tRNA-Asp"
gene 8337..9020
/gene="COX2"

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 WYWTYEYTDKDLSDSYMTPTTDLPLGHFRLLLEVDRHIVIPMESPIRVIIITADDVLH
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[gene](#) 9091..9255
 /gene="ATP8"

[CDS](#) 9091..9255
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[gene](#) 9246..9929
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[CDS](#) 9929..10712
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 HSSLAPTELGQWPPTGVKPLNPLEVPLLNNTAILLASGVTVTWAHHSITEGNRKQAI
 HALTLTILLGFYFTALQAMEYHEASFISIADSVYGSTFFVATGFHGLHVIIGSSFLTVC
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[misc_feature](#) 10782..11133
 /note="similar to NADH dehydrogenase subunit 3"

[tRNA](#) 11135..11202
 /product="tRNA-Arg"

[gene](#) 11203..11499
 /gene="ND4L"

[CDS](#) 11203..11499
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[gene](#) 11493..12872
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[CDS](#) 11493..12870
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[tRNA](#) 12941..13005
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 /note="codons recognized: AGY"

[tRNA](#) 13007..13077
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[gene](#) 13078..14895
 /gene="ND5"

[CDS](#) 13078..14895
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 EFATWYMASEPFITKFFTYLLTFLIAMLTLLTIANNMFLFVGVGEGVIMSFLFIGWWQ
 GRAEANTAALQAMIYNRIGDIGLILSMAWLASSLNTWEIQQITHPNQTPPLGLLIL
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[gene](#) 14900..16042
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[CDS](#) 14900..16042
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 /codon_start=1
 /transl_table=2

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IPFHPYYSFKDILGLTLMLT PFLTALFSPNLLGDPENFTPANPLVTPPHIKPEWYFL
FAYAILRSIPNKLGGVLALAASVLILFLIPFLHKSQRMTMFRPLSQTLFWLLVANLL
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[tRNA](#)

16046..16114

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/product="tRNA-Thr"
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[tRNA](#)

complement (16115..16184)

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/product="tRNA-Pro"
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[gene](#)

complement (16191..16712)

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/gene="ND6"
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[CDS](#)

complement (16191..16712)

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[tRNA](#)

complement (16715..16782)

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ORIGIN

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