

CLUSTAL X - MULTIPLE SEQUENCE ALIGNMENT of short palindromes found in vertebrates

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Bird species showing contraction of palindromes

Gallus_sonneratii	-----TTTTTTAAAAACATTTTTTAAAAAA-----	25
Gallus_lafayettei	-----TTTTTTAAAAACATTTTTTAAAAAA-----	25
Gallus_gallus1	-----TTTTTTAAAAACATTTTTTAAAAAA-----	25
Syrmaticus_elliotti	-----TTTTTTAAAAACATTTTTTAAAAAA-----	25
Gallus_varius1	ATTTGTTTTTTAAAAACATTTTTTAAAAAACTAAAT	37

Fish species showing contraction of palindrome

Raja_porosa2	-----TAAGAATTCTTA-----	12
Mitu_tomentosa	-----CAAAAAAATTTTTTTG-----	16
Motacilla_madaraspatensis	-----AATTAATATTAATT-----	14
Pseudobagrus_tenuis	-----ATTATGCATAAT-----	12
Gallus_varius2	-----TTGTTAATTAACAA-----	14
Loxodonta_cyclotis	-----TGCTTATAAGCA-----	12
Sebastes_schlegeli	-----AATACATATATGTATT-----	16
Cyprinodon_bovinus1	-----ATAATACATATATGTATT-----	20

Diomedea_melanophris	-----TACATTAATGTA-----	12
Thalassarche_steadii	-----TACATTAATGTA-----	12
Jordanella_floridae	-----TACATATATGTA-----	12
Cyprinodon_meeki3	-----TACATATATGTA-----	12
Cyprinodon_atrorus2	-----TACATATATGTA-----	12
Apodemus_mystacinus	-----TACATATATGTA-----	12
Altalamprologus_calvus	-----TACATATATGTA-----	12
Altalamprologus_compressiceps	-----TACATATATGTA-----	12

ruler 1.....10.....20.....30.....



CLUSTAL X (1.81) MULTIPLE SEQUENCE ALIGNMENT of short and long palindomes found in veterbrates

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Thunnus_obesus	-----TACATATATGTA-----	12
Milvus_milvus1	-----ACATATATATGT-----	12
Zapus_hudsonius	-----ACATATATATGT-----	12
Phoxinus_oxycephalus2	-----TACATATATATGTA-----	14
Teratoscincus_keyserlingii2	-----ATGTATATATATATACAT-----	20
Cyprinodon_meeki2	-----GATAAATATTTATC-----	14
Phoxinus_oxycephalus1	-----TAACCTATAGGTTA-----	14
Gavia_stellata	-----TCACATATGTGA-----	12
Gavia_stellata	-----TCACATATGTGA-----	12
Phoxinus_oxycephalus3	-----ATATGCGCATAT-----	12
Teratoscincus_keyserlingiil	-----TATATACACATATGTGTATATA-----	22
Aquila_pomarina	-----ATATGTATACATAT-----	14
Aquila_clanga	-----ATATGTATACATAT-----	14
Aquila_nipalensis	-----ATATGTATACATAT-----	14
Porichthys_myriaster	-----TATGTACTAGTACATA-----	16
Apeltes_quadracus	-----CATACATGTACTTCAAAGTACATGTATG-----	28
Raja_porosal	-----TATATAGTACTATATA-----	16
Macaca_nigra	-----TATATAGTACTATATA-----	16
Macaca_fascicularis	-----ATATATAGTACTATATAT-----	18
Macaca_arctoides	-----ATATATAGTACTATATAT-----	18
Macaca_fascicularis	-----ATATATAGTACTATATAT-----	18
ruler	1.....10.....20.....30.....	

Species of monkeys showing contraction of palindrome



CLUSTAL X (1.81) MULTIPLE SEQUENCE ALIGNMENT of short and long palindomes found in veterbrates

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Ovis_aries	-----TATAAAGTACTTTTATA-----	16
Latimeria_menadoensis	-----TAGTACGTACTA-----	12
Cyprinodon_fontinalis	-----TTAATATATATTAA-----	14
Cyprinodon_atrorus1	-----TTAATATATATTAA-----	14
7Cyprinodon_meekil	-----TTAATATATATTAA-----	14
Cyprinodon_bovinus2	-----TTAATATATATTAA-----	14
Megupsilon_aporus	-----TTAATATATATTAA-----	14
Crax_globulosa	-----CTCTCTAGAGAG-----	12
Pauxi_unicornis	-----CTCTCTAGAGAG-----	12
Mitu_mitu	-----CTCTCTAGAGAG-----	12
Nothocrax_urumutum	-----CTCTCTAGAGAG-----	12
Chamaepetes_goudotii	-----CTCTCTAGAGAG-----	12
Pungitius_pungitius	-----TTCACGCGTGAA-----	12
ruler	1.....10.....20.....30.....	

