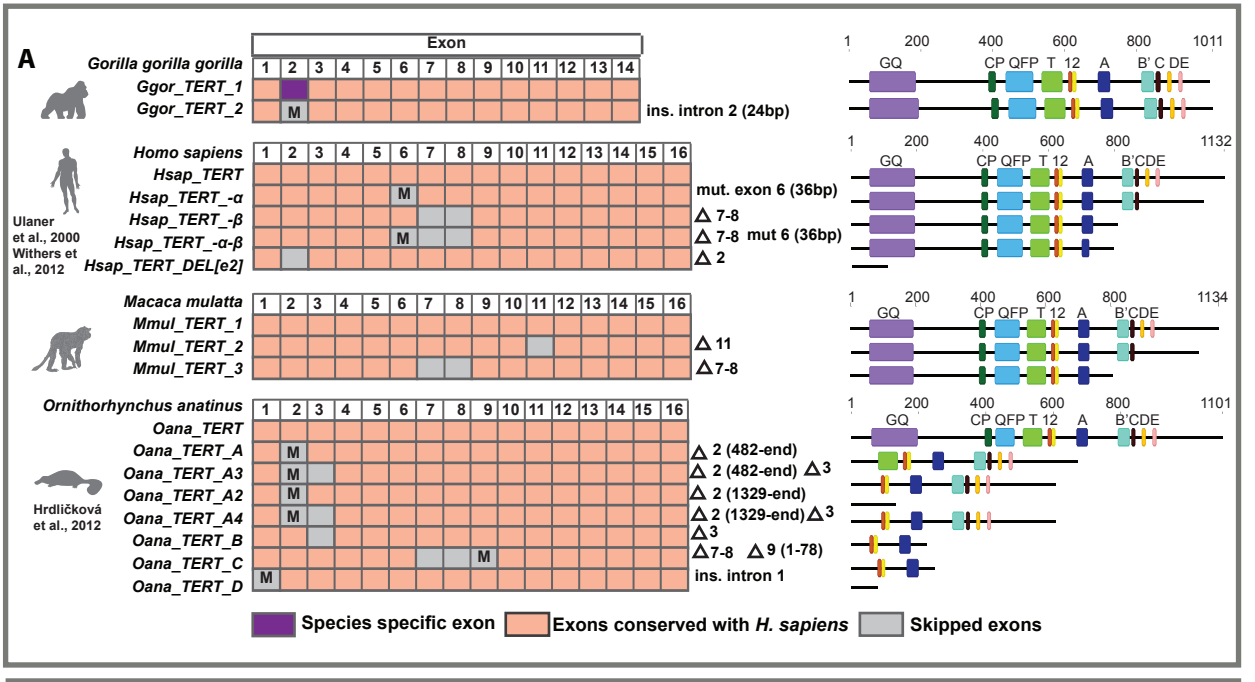
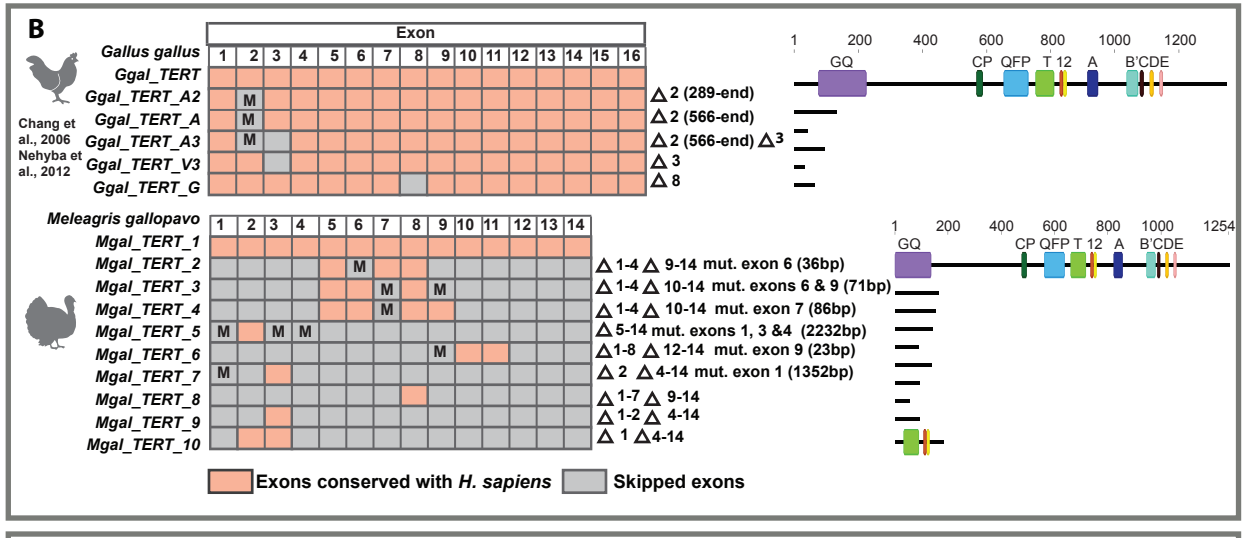
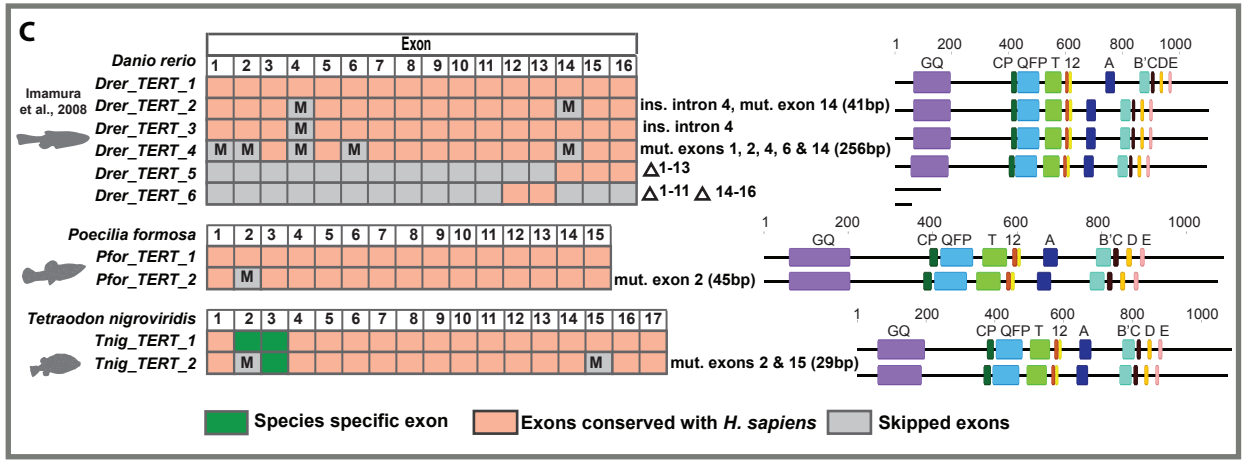

A
Exon
Gorilla gorilla gorilla
Ggor_TERT_1
Ggor_TERT_2
ins. intron 2 (24bp)
Homo sapiens
Hsap_TERT
Hsap_TERT_-α
Hsap_TERT_-β
Hsap_TERT_-α-β
Hsap_TERT_DEL[e2]
mut. exon 6 (36bp)
Δ 7-8
Δ 7-8 mut 6 (36bp)
Δ 2
Ulaner et al., 2000
Withers et al., 2012
Macaca mulatta
Mmul_TERT_1
Mmul_TERT_2
Mmul_TERT_3
Δ 11
Δ 7-8
Ornithorhynchus anatinus
Oana_TERT
Oana_TERT_A
Oana_TERT_A3
Oana_TERT_A2
Oana_TERT_A4
Oana_TERT_B
Oana_TERT_C
Oana_TERT_D
Δ 2 (482-end)
Δ 2 (482-end) Δ 3
Δ 2 (1329-end)
Δ 2 (1329-end) Δ 3
Δ 3
Δ 7-8 Δ 9 (1-78)
ins. intron 1
Hrdličková et al., 2012
GQ
CP QFP T 12 A B' C DE
Species specific exon
Exons conserved with H. sapiens
Skipped exons


B
Exon
Gallus gallus
Ggal_TERT
Ggal_TERT_A2
Ggal_TERT_A
Ggal_TERT_A3
Ggal_TERT_V3
Ggal_TERT_G
Δ 2 (289-end)
Δ 2 (566-end)
Δ 2 (566-end) Δ 3
Δ 3
Δ 8
Chang et al., 2006
Nehyba et al., 2012
Meleagris gallopavo
Mgal_TERT_1
Mgal_TERT_2
Mgal_TERT_3
Mgal_TERT_4
Mgal_TERT_5
Mgal_TERT_6
Mgal_TERT_7
Mgal_TERT_8
Mgal_TERT_9
Mgal_TERT_10
Δ 1-4 Δ 9-14 mut. exon 6 (36bp)
Δ 1-4 Δ 10-14 mut. exons 6 & 9 (71bp)
Δ 1-4 Δ 10-14 mut. exon 7 (86bp)
Δ 5-14 mut. exons 1, 3 &4 (2232bp)
Δ 1-8 Δ 12-14 mut. exon 9 (23bp)
Δ 2 Δ 4-14 mut. exon 1 (1352bp)
Δ 1-7 Δ 9-14
Δ 1-2 Δ 4-14
Δ 1 Δ 4-14
GQ
CP QFP T 12 A B'CDE
Exons conserved with H. sapiens
Skipped exons


C
Exon
Danio rerio
Drer_TERT_1
Drer_TERT_2
Drer_TERT_3
Drer_TERT_4
Drer_TERT_5
Drer_TERT_6
ins. intron 4, mut. exon 14 (41bp)
ins. intron 4
mut. exons 1, 2, 4, 6 & 14 (256bp)
Δ 1-13
Δ 1-11 Δ 14-16
Imamura et al., 2008
Poecilia formosa
Pfor_TERT_1
Pfor_TERT_2
mut. exon 2 (45bp)
Tetraodon nigroviridis
Tnig_TERT_1
Tnig_TERT_2
mut. exons 2 & 15 (29bp)
GQ
CP QFP T 12 A B'C D E
Species specific exon
Exons conserved with H. sapiens
Skipped exons