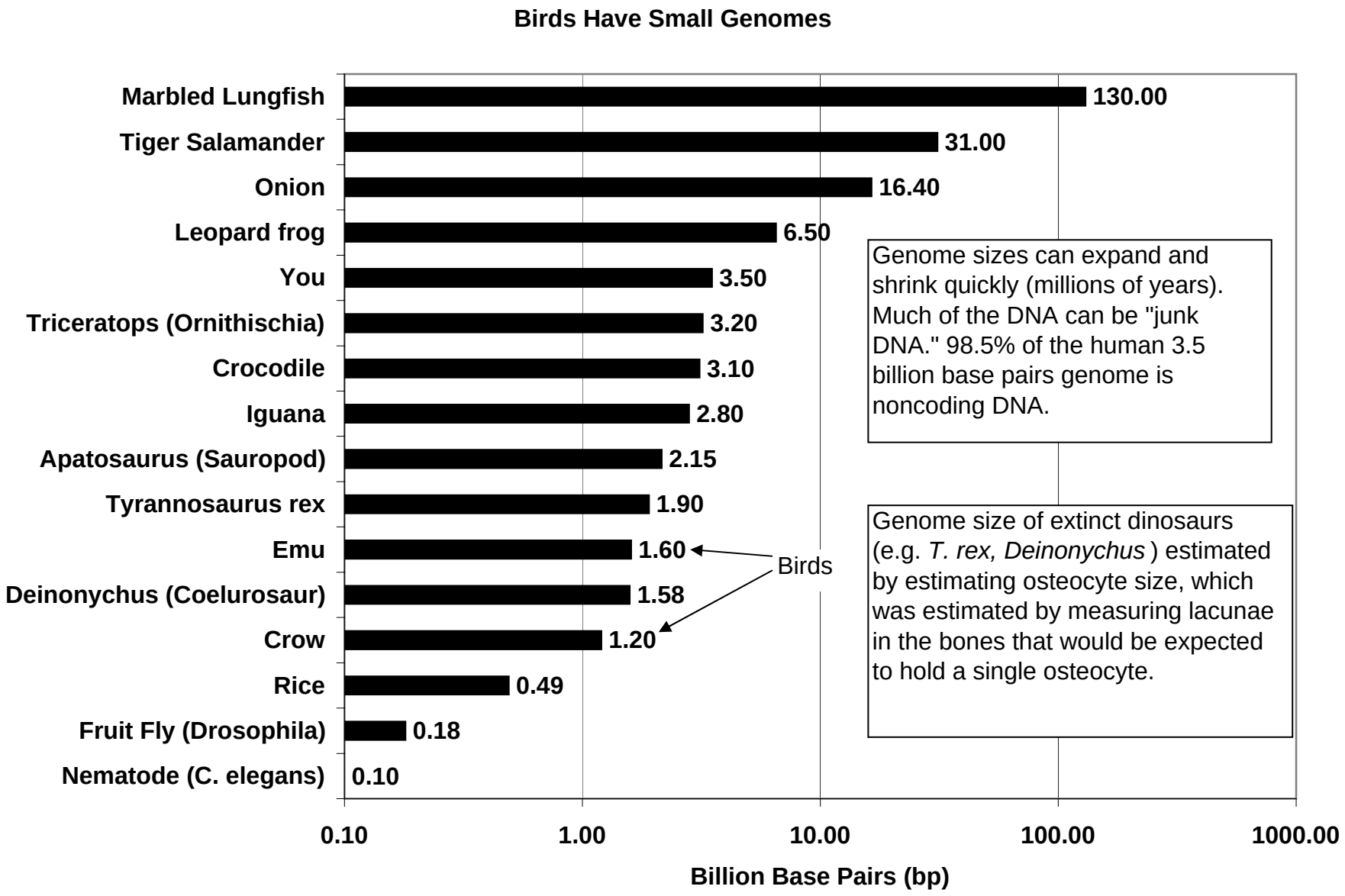
Birds Have Small Genomes
Marbled Lungfish
Tiger Salamander
Onion
Leopard frog
You
Triceratops (Ornithischia)
Crocodile
Iguana
Apatosaurus (Sauropod)
Tyrannosaurus rex
Emu
Deinonychus (Coelurosaur)
Crow
Rice
Fruit Fly (Drosophila)
Nematode (C. elegans)
130.00
31.00
16.40
6.50
3.50
3.20
3.10
2.80
2.15
1.90
1.60
1.58
1.20
0.49
0.18
0.10
Birds
Genome sizes can expand and shrink quickly (millions of years). Much of the DNA can be "junk DNA." 98.5% of the human 3.5 billion base pairs genome is noncoding DNA.
Genome size of extinct dinosaurs (e.g. *T. rex, Deinonychus*) estimated by estimating osteocyte size, which was estimated by measuring lacunae in the bones that would be expected to hold a single osteocyte.
0.10
1.00
10.00
100.00
1000.00
Billion Base Pairs (bp)