

TABLE VII
RANGES OF NUCLEAR VOLUMES AND DNA CONTENTS WITHIN
THE MAJOR CLASSES OF VERTEBRATES

Class	Nuclear DNA content (pg)			Ref.	Mean nuclear volume (μm^3) ^a			Ref.
	No. spp.	Min-max (pg)	Range factor		No. spp.	Min-max (μm^3)	Range factor	
Agnatha	2	5-5.5	1.1	12, 60	—	—	—	—
Chondrichthyes	2	5.5-6.7	1.2	12	1	249	—	45
Teleosts	275	0.78-13.7	17	12, 48, 54	8	33-100	3.0	34, 36 ^b
Dipnoi	2	100-243	2.4	12, 10	—	—	—	—
Crossopterygians	1	5.6	—	48	—	—	—	—
Amphibians	103	2.4-270	112.0	^b	33	107-3852	36.0	^{b,c}
Reptiles	10	2.8-5.1	1.8	48	4	48-76	1.6	34, 36
Birds	19	1.5-4.6	3.1	48, 61	6	33-67	2.0	34, 36
Mammals	10	5-11	2.1	48, 62	30	79-162	2.0	34, 36, 41

^a Liver parenchymal cell nuclei; if two or more volume classes were found, only the mean of the smaller, presumably diploid, class is used.

^b See Refs. for Table III.

^c Present study.