

Supplement for the Article

Genome Size of Life Forms of *Araceae*—A New Piece in the C-Value Puzzle

Domen Kocjan ^{1,†}, Jasna Dolenc Koce ^{2,†,*}, Florian Etl ³, Marina Dermastia ⁴

Table S1. 2C-values and life forms of aroid species used in the present analysis, taken from the Royal Botanic Gardens Kew database [14]. When two different authors measured the same species, both 2C values are included, resulting in duplicate values for some species.

Genus	Species	Life form	2C [pg DNA]
<i>Alocasia</i>	<i>A. cucullata</i>	Terrestrial	16.74
	<i>A. longiloba</i>	Terrestrial	18.70
	<i>A. reginula</i>	Terrestrial	9.90
	<i>A. sanderiana</i>	Terrestrial	10.10
	<i>A. sp.</i>	Terrestrial	20.30
	<i>A. zebrina</i> var. <i>tigrina</i> cv. <i>Superba</i>	Terrestrial	11.20
<i>Amorphophallus</i>	<i>A. abyssinicus</i>	Terrestrial	21.50
	<i>A. bulbifer</i>	Terrestrial	18.60
	<i>A. commutatus</i>	Terrestrial	23.50
	<i>A. gallaensis</i>	Terrestrial	23.50
	<i>A. goetzei</i>	Terrestrial	22.60
	<i>A. hildebrandtii</i>	Terrestrial	25.60
	<i>A. johnsonii</i>	Terrestrial	31.70
	<i>A. konjac</i>	Terrestrial	12.95
	<i>A. krausei</i>	Terrestrial	12.30
	<i>A. lambii</i>	Terrestrial	15.30
	<i>A. lewallei</i>	Terrestrial	27.80
	<i>A. oncophyllus</i>	Terrestrial	19.40
	<i>A. paeoniifolius</i>	Terrestrial	8.40
<i>Anthurium</i>	<i>A. prainii</i>	Terrestrial	7.50
	<i>A. amnicola</i>	Aquatic (rheophyte)	10.36
	<i>A. andraeanum</i>	Facultative epiphyte	9.59
	<i>A. antioquiense</i>	Aquatic (rheophyte)	9.83
	<i>A. armenense</i>	Obligatory epiphyte	12.01
	<i>A. bakeri</i>	Obligatory epiphyte	9.28
	<i>A. cerrocampaense</i>	Facultative epiphyte	11.44
	<i>A. clavigerum</i>	Obligatory epiphyte	14.27
	<i>A. clidemioides</i>	Obligatory epiphyte	9.17
	<i>A. coriaceum</i>	Facultative epiphyte	14.32

	<i>A. esmeraldense</i>	Facultative epiphyte	8.79
	<i>A. flexile</i> subsp. <i>muelleri</i>	Obligatory epiphyte	9.46
	<i>A. formosum</i>	Facultative epiphyte	8.77
	<i>A. fragrantissimum</i>	Obligatory epiphyte	6.21
	<i>A. gracile</i>	Obligatory epiphyte	12.38
	<i>A. grande</i>	Facultative epiphyte	27.05
	<i>A. gymnopus</i>	Hemiepiphyte	11.21
	<i>A. hoffmanni</i>	Facultative epiphyte	9.72
	<i>A. hookeri</i>	Facultative epiphyte	8.07
	<i>A. kamemotoanum</i>	Facultative epiphyte	9.47
	<i>A. lentii</i>	Facultative epiphyte	13.96
	<i>A. leuconeurum</i>	Terrestrial	14.35
	<i>A. lucens</i>	Facultative epiphyte	13.04
	<i>A. microspadix</i>	Facultative epiphyte	12.25
	<i>A. nymphaeifolium</i>	Facultative epiphyte	9.45
	<i>A. obtusum</i>	Obligatory epiphyte	5.11
	<i>A. ochranthum</i>	Terrestrial	10.75
	<i>A. pittieri</i>	Obligatory epiphyte	5.61
	<i>A. radicans</i>	Terrestrial	14.36
	<i>A. ravenii</i>	Obligatory epiphyte	10.43
	<i>A. roseospadix</i>	Facultative epiphyte	20.83
	<i>A. scandens</i> subsp. <i>pusillum</i>	Obligatory epiphyte	5.12
	<i>A. scandens</i> subsp. <i>scandens</i>	Obligatory epiphyte	9.64
	<i>A. schlechtendalii</i> subsp. <i>schlechtendalii</i>	Obligatory epiphyte	12.55
	<i>A. solitarium</i>	Obligatory epiphyte	15.36
	<i>A. warocqueanum</i>	Obligatory epiphyte	8.86
	<i>A. watermaliense</i>	Facultative epiphyte	8.52
	<i>A. wendlingeri</i>	Obligatory epiphyte	7.45
<i>Anubias</i>	<i>A. barteri</i> var. <i>nana</i>	Aquatic (rheophyte)	4.10
<i>Arisaema</i>	<i>A. ciliatum</i>	Terrestrial	9.78
	<i>A. dracontium</i>	Terrestrial	6.90
	<i>A. flavum</i>	Terrestrial	10.12
	<i>A. triphyllum</i>	Terrestrial	18.40
<i>Arisarum</i>	<i>A. proboscidium</i>	Terrestrial	17.90
	<i>A. simorrhinum</i>	Terrestrial	29.89
	<i>A. vulgare</i>	Terrestrial	29.12
<i>Arum</i>	<i>A. concinatum</i>	Terrestrial	23.92
	<i>A. cylindraceum</i>	Terrestrial	9.05
	<i>A. dioscoridis</i>	Terrestrial	21.17
	<i>A. hygrophilum</i>	Terrestrial	20.86
	<i>A. italicum</i>	Terrestrial	25.27
	<i>A. maculatum</i>	Terrestrial	21.80
	<i>A. orientale</i>	Terrestrial	8.92

<i>Biarum</i>	<i>B. olivieri</i>	Terrestrial	6.82
	<i>B. tenuifolium</i>	Terrestrial	6.20
<i>Caladium</i>	<i>C. bicolor</i> var. red polka large	Terrestrial	20.26
	<i>C. bicolor</i> var. red polka	Terrestrial	11.04
	<i>C. praetermissum</i>	Terrestrial	7.51
<i>Calla</i>	<i>C. palustris</i>	Aquatic (helophyte)	2.16
<i>Colocasia</i>	<i>C. esculenta</i>	Terrestrial	6.60
	<i>C. esculenta</i>	Terrestrial	8.10
<i>Cryptocoryne</i>	<i>C. crispatula</i>	Aquatic	1.78
	<i>C. lingua</i>	Aquatic	1.80
	<i>C. nevilli</i>	Aquatic	1.90
<i>Dieffenbachia</i>	<i>D. seguine</i>	Terrestrial	24.66
<i>Dracunculus</i>	<i>D. canariensis</i>	Terrestrial	7.78
	<i>D. vulgaris</i>	Terrestrial	13.70
<i>Epipremnum</i>	<i>E. aureum</i>	Nomadic vine	8.08
	<i>E. aureum</i>	Nomadic vine	9.40
<i>Homalomena</i>	<i>rubescens</i>	Terrestrial	18.28
<i>Lemna</i>	<i>L. aequinoctialis</i>	Aquatic	0.86
	<i>L. gibba</i>	Aquatic	1.00
	<i>L. japonica</i>	Aquatic	0.88
	<i>L. minor</i>	Aquatic	2.91
	<i>L. minor</i>	Aquatic	1.13
	<i>L. obscura</i>	Aquatic	1.00
	<i>L. trisulca</i>	Aquatic	0.92
	<i>L. valdiviana</i>	Aquatic	0.66
<i>Monstera</i>	<i>M. deliciosa</i>	Nomadic vine	8.41
	<i>M. obliqua</i>	Nomadic vine	18.01
<i>Orontium</i>	<i>O. aquaticum</i>	Aquatic (helophyte)	30.00
<i>Philodendron</i>	<i>P. erubescens</i>	Terrestrial	10.56
	<i>P. melanochrysum</i>	Nomadic vine	2.40
	<i>P. pinnaatifidum</i>	Terrestrial	4.88
	<i>P. squamiferum</i>	Nomadic vine	9.30
<i>Pinellia</i>	<i>P. pedatisecta</i>	Terrestrial	2.44
	<i>P. pedatisecta</i>	Terrestrial	2.79
	<i>P. tripartita</i>	Terrestrial	7.05
<i>Pistia</i>	<i>P. stratiotes</i>	Aquatic	0.70
<i>Remusatia</i>	<i>R. vivipara</i>	Facultative epiphyte	4.26
<i>Rhaphidophora</i>	<i>S. montana</i>	Nomadic vine	20.06
	<i>S. peepla</i>	Nomadic vine	18.34
<i>Scindapsus</i>	<i>S. pictus</i>	Nomadic vine	23.51
<i>Spathicarpa</i>	<i>S. hastifolia</i>	Terrestrial	18.92
<i>Spathiphyllum</i>	<i>S. sp. cv. »Cupido«</i>	Terrestrial	14.10

	S. sp. cv. »Macho«	Terrestrial	20.10
	S. sp. cv. »Mauna Loa«	Terrestrial	7.10
<i>Spirodela</i>	<i>S. polyrhiza</i>	Aquatic	0.60
	<i>S. punctata</i>	Aquatic	0.74
	<i>S. punctata</i>	Aquatic	0.82
<i>Symplocarpus</i>	<i>S. foetidus</i>	Terrestrial	4.80
<i>Syngonium</i>	<i>S. angustatum</i>	Nomadic vine	9.45
	<i>S. podophyllum</i>	Nomadic vine	9.71
<i>Thaumatococcus</i>	<i>T. bipinnatifidum</i>	Nomadic vine	9.99
<i>Typhonium</i>	<i>T. flagelliforme</i>	Terrestrial	10.34
	<i>T. trilobatum</i>	Terrestrial	13.17
<i>Wolffia</i>	<i>W. angusta</i>	Aquatic	3.40
	<i>W. arrhiza</i>	Aquatic	3.27
	<i>W. australiana</i>	Aquatic	0.76
	<i>W. borealis</i>	Aquatic	1.82
	<i>W. brasiliensis</i>	Aquatic	1.58
	<i>W. columbiana</i>	Aquatic	1.78
	<i>W. cylindracea</i>	Aquatic	2.20
	<i>W. elongata</i>	Aquatic	1.74
	<i>W. globosa</i>	Aquatic	2.64
	<i>W. microscopica</i>	Aquatic	3.40
	<i>W. neglecta</i>	Aquatic	2.40
<i>Wolffiella</i>	<i>W. gladiata</i>	Aquatic	1.28
	<i>W. hyalina</i>	Aquatic	1.98
	<i>W. lingulata</i>	Aquatic	1.34
	<i>W. oblonga</i>	Aquatic	1.52
<i>Xanthosoma</i>	<i>X. sagittifolium</i>	Terrestrial	17.57
	<i>X. sagittifolium</i>	Terrestrial	4.60
<i>Zamioculcas</i>	<i>Z. zamiifolia</i>	Terrestrial	48.10
<i>Zantedeschia</i>	<i>Z. aethiopica</i>	Terrestrial	4.60
	<i>Z. albomaculata</i>	Terrestrial	4.60

Table S2. List of aroid species with harmonized names based on current taxonomy [18,31,32].

Royal Botanic Gardens Kew database	Synonym after current taxonomy
<i>Alocasia hilobeauty</i>	<i>Caladium praetermissum</i>
<i>Alocasia lowii</i> var. <i>grandis</i>	<i>Alocasia longiloba</i> var. <i>grandis</i>
<i>Alocasia x amazonica</i>	<i>Alocasia sanderiana</i>
<i>Amorphophallus dubius</i>	<i>Amorphophallus paeoniifolius</i>
<i>Amorphophallus laxiflorus</i>	<i>Amorphophallus gallaensis</i>
<i>Amorphophallus rivieri</i>	<i>Amorphophallus konjac</i>
<i>Amorphophallus sutepensis</i>	<i>Amorphophallus krausei</i>
<i>Arum elongatum</i>	<i>Arum orientale</i>
<i>Colocasia antiquorum</i>	<i>Colocasia esculenta</i>
<i>Dieffenbachia picta</i>	<i>Dieffenbachia seguine</i>
<i>Landoltia punctata</i>	<i>Spirodela punctata</i>
<i>Philodendron andreanum</i>	<i>Philodendron melanochrysum</i>
<i>Philodendron selloum</i>	<i>Thaumatococcus bipinnatifidum</i>
<i>Scindapsus aureus</i>	<i>Epipremnum aureum</i>
<i>Spathicarpa sagittifolia</i>	<i>Spathicarpa hastifolia</i>
<i>Syngonium albo-lineatum</i>	<i>Syngonium angustatum</i>
<i>Typhonium cuspidatum</i>	<i>Typhonium flagelliforme</i>
<i>Xanthosoma violaceum</i>	<i>Xanthosoma sagittifolium</i>