

TABLE 2. THE DURATION OF MEIOSIS, NUCLEAR DNA CONTENT, AND TYPE OF LIFE HISTORY IN 24 PLANT SPECIES

Data collated from Bennett (1971), Bennett & Smith (1972) and Wilson (1959).

species	duration of meiosis/h	DNA content per cell/pg	type of life history	ploidy level
<i>Triticale</i> (hybrid)	20.8	82.7	annual	8x
<i>Antirrhinum majus</i> L.	24.0	5.5	perennial†	2x
<i>Triticum aestivum</i>	24.0	54.3	annual	6x
<i>T. dicoccum</i> Koern	30.0	38.3	annual	4x
<i>Haplopappus gracilis</i>	36.0	5.5	annual	2x
<i>Secale cereale</i>	38.0	57.4	annual	4x
<i>Hordeum vulgare</i> L.	39.0	20.7	annual	2x
<i>Triticum monococcum</i> L.	42.0	20.9	annual	2x
<i>Rhoeo discolor</i> Hance	48.0	23.8	perennial	2x
<i>Endymion nonscriptus</i> (L.) Garke	48.0	65.3	perennial	2x
<i>Secale cereale</i>	51.2	28.7	annual	2x
<i>Vicia faba</i>	72.0	44.0	annual	2x
<i>Allium cepa</i>	96.0	54.3	perennial	2x
<i>Gasteria</i> sp.‡	96.0	—	perennial	—
<i>Oenothera</i> sp.‡	96.0	—	perennial	—
<i>Ornithogalum virens</i> ‡ Lindl.	96.0	19.3	perennial	2x
<i>Tradescantia paludosa</i>	126.0	58.2	perennial	2x
<i>Tulbaghia violacea</i> Harv.	130.0	58.5	perennial	2x
<i>Tradescantia reflexa</i> Raf.	144.0	—	perennial	4x
<i>Lilium candidum</i> L.	168.0	—	perennial	2x
<i>L. henryi</i> Baker	170.0	100.0	perennial	2x
<i>L. longiflorum</i>	192.0	106.0	perennial	2x
<i>Trillium erectum</i>	274.0	120.0	perennial	2x
<i>Agapanthus umbellulatus</i> ‡ L'Herit.	300.0	—	perennial	2x

† Facultative perennial. ‡ Only approximate meiotic times are given.

Bennett, M. D. 1971 The duration of meiosis. *Proc. R. Soc. Lond.* B **178**, 259–275.

Bennett, M. D. & Smith, J. B. 1972 The effects of polyploidy on meiotic duration and pollen development in cereal anthers. *Proc. R. Soc. Lond.* B **181**, 81–107.

Wilson, J. Y. 1959 Duration of meiosis in relation to temperature. *Heredity, Lond.* **13**, 262–267.