

Tkach, N., Nobis, M., Schneider, J., Becher, H., Winterfeld, G., Jacobs, S.W.L., Röser, M. 2021. Molecular phylogenetics and micromorphology of Australasian Stipeae (Poaceae, subfamily Pooideae), and the interrelation of whole-genome duplication and evolutionary radiations in this grass tribe. *Front. Plant Sci.* 11:630788. doi: 10.3389/fpls.2020.630788

**Supplementary Appendix 2.** Annotated list of chromosome number reports for taxa of Stipeae. Underlined are the most frequent chromosome numbers in case of different countings, if this was stated in the original publications or if concluded from this survey (mostly for the genera). Original publications we did not examine are identified as such in the list of references below.

*Achnatherum* P.Beauv.: **2n = 18, 20, 22, 24, 28, 42, 44, 46, 48**. — *A. brandisii* (Mez) Z.L.Wu: **n = 12**: Kumari & al. (2019) as *Stipa brandisii* Mez. *A. bromoides* (L.) P.Beauv.: **2n = 18**: Petrova (1968); **2n = 24**: Strid & Andersson (1985) as *Stipa bromoides* (L.) Dörfel.; Ghukasyan (2004); **2n = 28**: Löve & Löve (1961) citing an unpubl. count of Uihelyi; Vázquez & Devesa (1996) as *S. bromoides* (L.) Dörfel. *A. calamagrostis* (L.) P.Beauv.: **2n = 22 + 0–2B**: Strid (1983); **2n = 24**: Gervais (1966); Löve & Löve (1974); Strobl & Wittmann (1985); Kožuharov & Petrova (1991). *A. caragana* (Trin.) Nevski: **2n = 24**: Sokolovskaya & Probatova (1978). *A. confusum* (Litv.) Tzvelev: **2n = 24**: Sokolovskaya & Probatova (1977); Probatova & Seledets (2008); Probatova & al. (2008, 2015). *A. dregeanum* (Steud.) Röser, Tkach & M.Nobis: **2n = 48**: de Winter (1965) as *Stipa dregeana* Steud. *A. jacquemontii* (Jaub. & Spach) P.C.Kuo & S.L.Lu: **n = 10**: Kumar & al. (2018) as *Stipa jacquemontii* Jaub. & Spach; **n = 12**: Mehra & Sharma (1975a) as *S. jacquemontii*; **n = 21, 22**: Gupta & al. (2014) as *S. jacquemontii*. *A. paradoxum* (L.) Banfi, Galasso & Bartolucci: **2n = 24**: Litardière (1950) as *Oryzopsis paradoxa* (L.) Nutt.; Löve & Kjellqvist (1973) as *O. paradoxa*. *A. pekinense* (Hance) Ohwi: **2n = 24**: Ono & Tateoka (1953) as *Stipa extremiorientalis* Hara; Tateoka (1954, 1967, 1986); Sokolovskaya & Probatova (1977) as *Achnatherum extremiorientale* (Hara) Keng; Korobkov & al. (2013) as *A. extremiorientale*. *A. petriei* (Buchanan) S.W.L.Jacobs & J.Everett: **2n = 42**: Murray & al. (2005). *A. sibiricum* (L.) Keng ex Tzvelev: **n = 12, 2n = 24**: Johnson (1945) as *Stipa sibirica* (L.) Lam.; **2n = 22, 23**: Měsíček & Soják (1972) as *S. sibirica*; **2n = 22**: Stepanov (1994) as *S. sibirica*; **2n = 24**: Avdulov (1928, 1931: 129) as *S. sibirica*; Myers (1947) citing an unpubl. count of R.M. Love as *S. sibirica*; Belyaeva & Siplivinsky (1977) as *S. sibirica*; Sokolovskaya & Probatova (1978); Gusik & Levkovskiy (1979) as *S. sibirica*; Probatova & Sokolovskaya (1980); Rudyka (1990); Probatova & al. (2009, 2012, 2015, 2016a); Chepinoga & al. (2012); Winterfeld & al. (2015). *A. turcomanicum* (Roshev.) Tzvelev: **2n = 24**: Chopanov & Yurtzev (1976) as *Stipa litwinowiana* P.A.Smirn. ex Pavlov & Lipsch. *A. virescens* (Trin.) Banfi, Galasso & Bartolucci: **2n = 24**: Avdulov (1931: 131) as *Oryzopsis virescens* (Trin.) Beck; Májovský 1974 as *O. virescens*.

*Aciachne* Benth.: **2n = 22**. — *A. pulvinata* Benth.: **2n = 22**: Reeder & Reeder (1968).

*Amelichloa* Arriaga & Barkworth: **2n = 40, 44, 44–46, 46**. — *A. brachychaeta* (Godr.) Arriaga & Barkworth: **2n = 40**: Saura (1943) as *Stipa brachychaeta* Godr.; **2n = 40, 44**: Saura (1948) as *S. brachychaeta*; **2n = 44**: Parodi (1946) citing an unpubl. count of O. Nuñez as *S. brachychaeta*; Bowden & Senn (1962) as *S. brachychaeta*; **2n = 44–46**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *S. brachychaeta*; **2n = 46**: González & al. (2017).

*Anatherostipa* (Hack. ex Kuntze) Peñail.: **2n = 22**. — *A. hans-meyeri* (Pilg.) Peñail.: **n = 11** Davidse & Pohl (1978) as *Stipa hans-meyeri* Pilg.

*Anemanthele* Veldkamp: **2n = 40, 42, 44, 46**. — *A. lessoniana* (Steud.) Veldkamp: **2n = 40–44**: Dawson & Beuzenberg (2000); Edgar & Connor (2000) citing an unpubl. count of M.I. Dawson; **2n = 42, 44, 46**: Winterfeld & al. (2015).

*Austrostipa* S.W.L.Jacobs & J.Everett: **2n = 42, 44, 64, 66, 68, 70**. — *A. acrociliata* (Reader) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. blackii* (C.E.Hubb.)

S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. breviglumis* (J.M.Black)  
 S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. campylachne* (Nees) S.W.L.Jacobs &  
 J.Everett: **2n = 66**: Winterfeld & al. (2015). *A. curticoma* (Vickery) S.W.L.Jacobs & J.Everett: **2n = 66**:  
 Winterfeld & al. (2015). *A. drummondii* (Steud.) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld  
 & al. (2015). *A. elegantissima* (Labill.) S.W.L.Jacobs & J.Everett: **2n = 66**: Winterfeld & al. (2015).  
*A. exilis* (Vickery) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. flavescens* (Labill.)  
 S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. geoffreyi* S.W.L.Jacobs & J.Everett:  
**2n = 44**: Winterfeld & al. (2015). *A. hemipogon* (Benth.) S.W.L.Jacobs & J.Everett. **2n = 66, 70**:  
 Winterfeld & al. (2015). *A. mollis* (R.Br.) S.W.L.Jacobs & J.Everett: **2n = 64, 66**: Winterfeld & al.  
 (2015). *A. nodosa* (S.T.Blake) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A.*  
*nullanulla* (S.W.L.Jacobs & J.Everett) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015).  
*A. oligostachya* (Hughes) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. pilata*  
 (S.W.L.Jacobs & J.Everett) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A.*  
*platychaeta* (Hughes) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. ramosissima*  
 (Trin.) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. scabra* (Lindl.) S.W.L.Jacobs  
 & J.Everett: **2n = 42, 44**: Winterfeld & al. (2015). *A. scabra* (Lindl.) S.W.L.Jacobs & J.Everett subsp.  
*falcata* (Hughes) S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. scabra* (Lindl.)  
 S.W.L.Jacobs & J.Everett subsp. *scabra*: **2n = 60, 62**: Winterfeld & al. (2015). *A. semibarbata* (R.Br.)  
 S.W.L.Jacobs & J.Everett: **2n = 65, 66, 68, 70**: Winterfeld & al. (2015). *A. stipoides* (Hook.f.)  
 S.W.L.Jacobs & J.Everett: **2n = 44**: Murray & al. (2005); Winterfeld & al. (2015). *A. stiposa*  
 (Hughes) S.W.L.Jacobs & J.Everett: **2n = 66**: Winterfeld & al. (2015). *A. trichophylla* (Benth.)  
 S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015). *A. verticillata* (Nees ex Spreng.)  
 S.W.L.Jacobs & J.Everett: **2n = 44**: Winterfeld & al. (2015).

*Barkworthia* Romasch., P.M.Peterson & Soreng: **2n = 40**. — *B. stillmanii* (Bol.) Romasch.,  
 P.M.Peterson & Soreng: **2n = 40**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *Stipa*  
*stillmanii* Bol.

*Celtica* F.M.Vázquez & Barkworth: **2n = 84, 96**. — *C. gigantea* (Link) F.M.Vázquez &  
 Barkworth: **n = 48**: Devesa & al. (1991) as *Stipa gigantea* Link; Gallego & Talavera (1994) as *S.*  
*gigantea*; **2n = 84**: Winterfeld (2006) as *S. gigantea*; **2n = 96**: Fernandes & Queirós (1969) as *S.*  
*gigantea*; Queirós (1973) as *S. gigantea*; Queirós (1974) as *S. gigantea*. *C. gigantea* subsp. *gigantea*:  
**2n = 96**: Vázquez & Devesa (1996) as *S. gigantea* subsp. *gigantea*. *C. gigantea* subsp. *donyanae*  
 (F.M.Vázquez & Devesa) F.M.Vázquez & Barkworth: **2n = 96**: Vázquez & Devesa (1996) as *S.*  
*gigantea* subsp. *donyanae* F.M.Vázquez & Devesa.

*Eriocoma* Nutt.: **2n = 32, 34, 36, 40, 44, 48, 64, 66, 68, 70**. — *E. contracta* (B.L.Johnson)  
 Romasch.: **n = 24**: Reeder (1977) as *Oryzopsis contracta* (B.L.Johnson) Schechter; **2n = 48**: Schechter  
 & Johnson (1966) as *O. contracta*. *E. coronata* (Thurb.) Romasch.: **2n = 40**: Stebbins & Love (1941)  
 as *Stipa coronata* Thurb.; Myers (1947) citing an unpubl. count of R.M. Love as *S. coronata*; Reeder  
 (1984) as *S. coronata*. *E. curvifolia* (Swallen) Romasch.: **n = 22**: Hatch & Bearden (1983) as *Stipa*  
*curvifolia* Swallen. *E. hendersonii* (Vasey) Romasch.: **n = 17**: Hitchcock & Spellenberg (1968) as  
*Oryzopsis hendersonii* Vasey; **n = 17, 2n = 34**: Spellenberg (1968) as *O. hendersonii*. *E. hymenoides*  
 (Roem. & Schult.) Rydb.: **n = 24**: Reeder (1977) as *Oryzopsis hymenoides* (Roem. & Schult.) Ricker  
 ex Piper; **n = 24, 2n = 48**: Johnson (1945, 1960, 1962a) as *O. hymenoides*; **2n = 48**: Stebbins & Love  
 (1941) as *O. hymenoides*; Johnson & Rogler (1943) as *O. hymenoides*; Johnson (1960) as *O.*  
*hymenoides*; Löve & Löve (1981) as *O. hymenoides*; **2n = 48 + 0–5B**: Johnson (1963) as *O.*  
*hymenoides*. *E. latiglumis* (Swallen) Romasch.: **n = 35**: Pohl (1954) as *Stipa latiglumis* Swallen  
 representing an allopolyploid hybrid between *S. lettermanii* and *S. elmeri*. *E. lemmonii* (Vasey)  
 Romasch.: **n = 17**: Pohl (1954) as *Stipa lemmonii* (Vasey) Scribn.; Reeder (1977) as *S. lemmonii*; **2n = 34**:  
 Myers (1947) citing an unpubl. count of R.M. Love as *S. lemmonii*; **n = 18, 2n = 36**: Stebbins &

Love (1941) as *S. lemmonii*; Johnson (1962a) as *S. columbiana* Macoun; **2n = 44**: Nielsen (1939) as *S. columbiana*. *E. lemmonii* subsp. *pubescens* (Crampton) Romasch.: **2n = 34**: Stebbins & Love (1941) as *Stipa lemmonii* var. *jonesii* Scribn. *E. lettermanii* (Vasey) Romasch.: **n = 16, 2n = 32**: Johnson (1962a) as *S. lettermanii*; **2n = 32**: Dedecca (1954) as *S. lettermanii* and commenting that this plant with **2n = 32** was true *S. lettermanii*, whereas the plant of Stebbins & Love (1941) with **2n = 66** belonged to an undescribed polyploid; **2n = 66**: Stebbins & Love (1941) as *Stipa lettermanii* Vasey var.; **2n = 68**: Myers (1947) citing an unpubl. count of R.M. Love as *S. lettermanii*. *E. nevadensis* (B.L.Johnson) Romasch.: **n = 34, 2n = 68**: Johnson (1962a) as *Stipa nevadensis* B.L.Johnson and representing an amphidiploid hybrid between *S. lettermanii* and *S. occidentalis* or *S. elmeri*; **2n = 68**: Johnson (1962b) as *S. nevadensis*. *E. occidentalis* (Thurb. ex S.Watson) Romasch.: **2n = 36**: Stebbins & Love (1941) as *Stipa occidentalis* Thurb. *E. occidentalis* subsp. *californica* (Merr. & Burt Davy) Romasch.: **n = 18**: Reeder (1977) as *Stipa californica* Merr. & Burt Davy; **n = 18, 2n = 36**: Stebbins & Love (1941) as *S. californica*; Johnson (1962a) as *S. occidentalis* Thurb. *E. occidentalis* subsp. *pubescens* (Vasey) Romasch.: **n = 18**: Pohl (1954) as *Stipa elmeri* Piper & Brodie ex Scribn.; **n = 18, 2n = 36**: Stebbins & Love (1941) as *S. elmeri*; Johnson (1945, 1962a) as *S. elmeri*. *E. pinetorum* (M.E.Jones) Romasch.: **n = 16, 2n = 32**: Johnson (1963) as *Stipa pinetorum* M.E.Jones; **2n = 32**: both Johnson (1945) and Myers (1947) and citing an unpubl. count of G.L. Stebbins as *S. pinetorum*. *E. richardsonii* (Link) Romasch.: **2n = 44**: Löve & Löve (1981) as *Stipa richardsonii* Link. *E. robusta* (Vasey) Romasch.: **2n = 64**: Myers (1947) citing an unpubl. count of R.M. Love as *Stipa robusta* (Vasey) Scribn. *E. scribneri* (Vasey) Romasch.: **2n = 40**: Tateoka (1955) as *Stipa scribneri* Vasey. *E. swallenii* (C.L.Hitchc. & Spellb.) Romasch.: **n = 17, 2n = 34**: Hitchcock & Spellberg (1968) as *Oryzopsis swallenii* C.L.Hitchc. & Spellb. *E. thurberiana* (Piper) Romasch.: **n = 17, 2n = 34**: Stebbins & Love (1941) as *Stipa thurberiana* Piper. *E. webberi* Thurb.: **n = 16, 2n = 32**: Johnson (1945) as *Stipa webberi* (Thurb.) B.L.Johnson.

*Hesperostipa* (M.K.Elias) Barkworth: **2n = 38, 44, 46**. — *H. comata* (Trin. & Rupr.) Barkworth: **n = 19, 22**: Reeder (1977) as *Stipa comata* Trin. & Rupr.; **2n = 46**: Myers (1947) citing an unpubl. count of R.M. Love as *S. comata*. *H. comata* subsp. *comata*: **2n = 44**: Bowden (1960) as *S. comata*; Löve & Löve (1981) as *S. comata*. *H. comata* subsp. *intermedia* (Scribn. & Tweedy) Barkworth: **2n = 44–46**: Stebbins & Love (1941) as *Stipa comata* var. *intermedia* Scribn. & Tweedy. *H. curtisetata* (Hitchc.) Barkworth: **2n = 44**: Löve & Löve (1981) as *Stipa curtisetata* (Hitchc.) Barkworth. *H. neomexicana* (Thurb.) Barkworth: **n = 22**: Gould (1968) as *Stipa neomexicana* (Thurb.) Scribn.; **2n = 44**: Myers (1947) citing an unpubl. count of R.M. Love as *S. neomexicana*. *H. spartea* (Trin.) Barkworth: **2n = 44**: Tateoka (1955) as *Stipa spartea* Trin.; Löve & Löve (1981) as *S. spartea*; **2n = 46**: Myers (1947) citing an unpubl. count of R.M. Love as *S. spartea*.

*Jarava* Ruiz & Pav.: **2n = 36, 40, 42, 44, 66**. — *J. filifolia* (Nees) Ciald.: **2n = 36**: González & al. (2017). *J. ichu* Ruiz & Pav.: **n = 20**: Pohl & Davidse (1971) as *Stipa ichu* (Ruiz & Pav.) Kunth; Davidse & Pohl (1974) as *S. ichu*; **n = 20, ca. 20**: Gould (1966) as *S. ichu*; **2n = 42**: Bowden & Senn (1962) as *S. ichu*; **2n = 44**: Covas (1945) as *Stipa gynerioides* Phil.; Parodi (1946) citing a pers. commun. of F. Saura as *S. ichu*; Saura (1948) as *S. ichu*; Tateoka (1962) as *S. ichu*. *J. neaei* (Nees ex Steud.) Peñail.: **2n = 66**: Covas & Bocklet (1945) as *Stipa neaei* Nees ex Steud. *J. plumosa* (Spreng.) S.W.L.Jacobs & J.Everett: **2n = 40**: Bowden & Senn (1962) as *Stipa papposa* Nees; González & al. (2017); **2n = 44**: Avdulov (1928, 1931: 129) as *S. papposa* Nees; Lorenzo-Andreu (1953) as *S. papposa* Nees; Parodi (1946) as *S. papposa*. *J. plumosula* (Nees ex Steud.) F.Rojas: **2n = 44**: Covas & Bocklet (1945) as *Stipa plumosa* Trin. & Rupr.

*Lorenzochloa* Reeder & C.Reeder: **2n = 22**. — *L. erectifolia* (Swallen) Reeder & C.Reeder: **2n = 22**: Reeder & Reeder (1968) as *Parodiella erectifolia* (Swallen) Reeder & C.Reeder.

*Macrochloa* Kunth; **2n = 24, 40, 66, 72**. — *M. tenacissima* (L.) Kunth: **n = 33**: Ferchichi & al. (1994) as *Stipa tenacissima* L.; **2n = 24**: Labadie (1979a,b) as *S. tenacissima*; **2n = 40**: Fernandes

& Queirós (1969) as *S. tenacissima*; **2n** = **66**: Lungeanu (1980) as *S. tenacissima*; **n** = **36**: Faruqi & al. (1987) as *S. tenacissima*.

*Nassella* (Trin.) É.Desv.: **2n** = **26**, **28**, **30**, **32**, **34**, **36**, **38**, **40**, **42**, **56**, **58**, **60**, **64**, **66**, **70**, **82**, **88**. — *N. cernua* (Stebbins & Love) Barkworth: **n** = **35**: Love (1954) as *Stipa cernua* Stebbins & Love; **n** = **35**, **2n** = **70**: Stebbins & Love (1941) as *S. cernua*; **2n** = **70**: Love (1946) as *S. cernua*. *N. charruana* (Arechav.) Barkworth: **2n** = **36**: Bowden & Senn (1962) as *Stipa charruana* Arechav; González & al. (2017). *N. chilensis* (Trin.) É.Desv.: **2n** = **42**: Bowden & Senn (1962). *N. gigantea* (Steud.) Muñoz-Schick: **2n** = **42**: Bowden & Senn (1962) as *N. exserta* Phil. *N. hyalina* (Nees) Barkworth: **2n** = **34**: Bowden & Senn (1962) as *Stipa hyalina* Nees; González & al. (2017). *N. lachnophylla* (Trin.) Barkworth: **2n** = **66**: Bowden & Senn (1962) as *Stipa laxa* É.Desv. *N. lepida* (Hitc.) Barkworth: **n** = **17**: Love (1954) as *Stipa lepida* Hitc.; **n** = **17**, **2n** = **34**: Stebbins & Love (1941) as *S. lepida*; **2n** = **34**: Love (1946) as *S. lepida*; **2n** = **46**: Reeder (1967) as *S. lepida*. *N. leptocoronata* (Roseng. & B.R.Arrill.) Barkworth: **2n** = **26**: González & al. (2017). *N. leucotricha* (Trin. & Rupr.) R.W.Pohl: **n** = **13**: Brown (1949) as *Stipa leucotricha* Trin. & Rupr.; **n** = **14**: Gould (1958) as *S. leucotricha*; Hatch (1980) as *S. leucotricha*; **2n** = **26**: Brown (1951) as *S. leucotricha*; **2n** = **28**: Myers (1947) citing an unpubl. count of R.M. Love as *S. leucotricha*. *N. longiglumis* (Phil.) Barkworth: **2n** = **30**: González & al. (2017). *N. megapotamia* (Spreng. ex Trin.) Barkworth: **2n** = **34**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *Stipa megapotamica* Spreng. ex Trin. & Rupr.; González & al. (2017). *N. melanosperma* (J.Presl) Barkworth: **2n** = **36**: González & al. (2017). *N. mucronata* (Kunth) R.W.Pohl: **2n** = **36**: Myers (1947) citing an unpubl. count of R.M. Love as *Stipa mucronata* Kunth; **2n** = **64**: Bowden & Senn (1962) as *S. mucronata*. *N. neesiana* (Trin. & Rupr.) Barkworth: **2n** = **28**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *Stipa neesiana* Trin. & Rupr.; Brown (1949) as *S. neesiana*; Bowden & Senn (1962) as *S. neesiana*; González & al. (2017). *N. pauciciliata* (Roseng. & Izag.) Barkworth: **2n** = **34**: González & al. (2017). *N. philippii* (Steud.) Barkworth: **2n** = **36**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *Stipa philippii* Steud.; González & al. (2017). *N. poeppigiana* (Trin. & Rupr.) Barkworth: **2n** = **34**: González & al. (2017). *N. pulchra* (Hitc.) Barkworth: **2n** = **55**, **56**, **58**, **60**: Winterfeld & al. (2015); **n** = **32**: Love (1954) as *Stipa pulchra* Hitc.; **n** = **32**, **2n** = **64**: Stebbins & Love (1941) as *S. pulchra*; **2n** = **64**: Love (1946) as *S. pulchra*; **2n** = **66**: Nielsen (1939) as *S. pulchra*. *N. tenuissima* (Trin.) Barkworth: **2n** = **32**: Brown (1951) as *Stipa tenuissima* Trin.; **2n** = **40**: Bowden & Senn (1962) as *S. tenuissima*. *N. trichotoma* (Nees) Hack. ex Arechav.: **2n** = **36**: Bowden & Senn (1962); González & al. (2017); **2n** = **38**: Avdulov (1928) as *Urachne trichotoma* (Nees) Trin. fide Fedorov (1969); **2n** = **40**: Parodi (1946) as *Stipa trichotoma* Nees. *N. viridula* (Trin.) Barkworth: **n** = **41**, **2n** = **82**: Johnson & Rogler (1943) as *Stipa viridula* Trin.; **2n** = **88**: Löve & Löve (1981) as *S. viridula*.

*Neotrinia* (Tzvelev) M.Nobis, P.D.Gudkova & A.Nowak. **2n** = **44**, **46**, **48**. — *N. splendens* (Trin.) M.Nobis, P.D.Gudkova & A.Nowak: **2n** = **42**: Sokolovskaya & Strelkova (1948) as *Lasiagrostis splendens* (Trin.) Kunth but regarded by Probatova & Sokolovskaya (1980) as miscount; **n** = **22**: Gupta & al. (2014) as *Stipa splendens* Trin.; **2n** = **44**: Winterfeld & al. (2015) as *Achnatherum splendens* (Trin.) Nevski; **n** = **23**: Gohil & Koul (1986) as *S. splendens*; **2n** = **48**: Myers (1947) citing an unpubl. count of R.M. Love as *S. splendens* Trin.; **2n** = **48**: Probatova & Sokolovskaya (1980) as *A. splendens*; **2n** = **ca. 48**: Probatova & Seledets (2008) as *A. splendens*.

*Oloptum* Röser & Hamasha: **2n** = **24**, **36**. — *O. miliaceum* (L.) Röser & Hamasha: **n** = **12**: Faruqi & al. (1987) as *Pipthaterum miliaceum* (L.) Cosson; Devesa & al. (1991) as *P. miliaceum*; **n** = **12**, **2n** = **24**: Johnson (1945) as *Oryzopsis miliacea* (L.) Benth. & Hook.f. ex Asch. & Schweinf.; **2n** = **24**: Avdulov (1928, 1931: 131) as *O. miliacea*; Tateoka (1957) as *O. miliacea*; Fernandes & Queirós (1969) as *O. miliacea*; Luque & Diaz Lifante (1991) as *P. miliaceum*; Verlaque & al. (1997) as *P. miliaceum*; Winterfeld & al. (2015); **n** = **18**: Ferchichi & al. (1994) as *O. miliacea* and considering it a triploid plant.

***Ortachne*** Nees: **no chromosome counts available.**

***Orthoraphium*** Nees: **no chromosome counts available.**

***Oryzopsis*** Michx.: **2n = 46, 48**: — ***O. asperifolia*** Michx.: **2n = 46**: Johnson (1945); **2n = 48**: Bowden (1960); Löve & Löve (1981).

***Pappostipa*** (Speg.) Romasch., P.M.Peterson & Soreng: **2n = 42, 60, 64, 66, 68, ca. 74**. — ***P. humilis*** (Cav.) Romasch.: **2n = 42(–44)**: Myers (1947) citing an unpubl. count of G.L. Stebbins as *Stipa humilis* Cav.; **2n = 66**: Covas & Bocklet (1945) as *S. humilis*.

***P. speciosa*** (Trin. & Rupr.) Romasch.: **2n = 60**: Delay (1950) as *Stipa speciosa* Trin. & Rupr.; Stebbins & Love (1941) as *S. speciosa*; **n = 32, 2n = 64**: Johnson (1960, 1962a) as *S. speciosa*; **2n = 66**: Covas & Bocklet (1945) as *S. speciosa* var. *macrochaeta* Parodi; **2n = 68**: Myers (1947) citing an unpubl. count of R.M. Love as *S. speciosa*; **n = ca. 37**: Gould (1968) as *S. speciosa*.

***Patis*** Ohwi: **2n = 46, 48**. — ***P. coreana*** (Honda) Ohwi: **2n = 46**: Tateoka (1986) as *Orthoraphium coreanum* var. *kengii* (Ohwi) Ohwi. ***P. racemosa*** (Sm.) Romasch., P.M.Peterson & Soreng: **2n = 46**: Johnson (1945) as *Oryzopsis racemosa* (Sm.) Ricker ex Hitchc.; **2n = 48**: Bowden (1960) as *O. racemosa*.

***Piptatheropsis*** Romasch., P.M.Peterson & Soreng: **2n = 20, 22, 24**. — ***P. canadensis*** (Poir.) Romasch., P.M.Peterson & Soreng: **2n = 22**: Spellenberg (1970) as *Oryzopsis canadensis* (Poir.) Torr., not Johnson (1945), erroneously cited by Curto & Henderson (1998). ***P. exigua*** (Thurb.) Romasch., P.M.Peterson & Soreng: **2n = 22**: Hitchcock & Spellenberg (1968) as *Oryzopsis exigua* Thurb. ***P. micrantha*** (Trin. & Rupr.) Romasch., P.M.Peterson & Soreng: **2n = 22**: Johnson (1945) as *Oryzopsis micrantha* (Trin. & Rupr.) Thurb.; **2n = 24**: Löve & Löve (1981) as *O. micrantha*. ***P. pungens*** (Torr. ex Spreng.) Romasch., P.M.Peterson & Soreng: **2n = 22**: Johnson (1945) as *Oryzopsis pungens* (Torr. ex Spreng.) Hitchc.; **2n = 24**: Bowden (1960) as *O. pungens*; Löve & Löve (1981) as *O. pungens*. ***P. shoshoneana*** (Curto & Douglass M.Hend.) Romasch., P.M.Peterson & Soreng: **n = 10, 2n = 20**: Curto & Henderson (1998) as *Stipa shoshoneana* Curto & Douglass M.Hend.

***Piptatherum*** P.Beauv.: **2n = 20, 22, 24, 26**. — ***P. aequiglume*** (Duthie ex Hook.f.) Roshev.: **n = 12**: Mehra & Sharma (1975a) as *Oryzopsis aequiglumis* Duthie ex Hook.f. ***P. coerulescens*** (Desf.) P.Beauv.: **2n = 24**: Kerguélen (1975) as *Oryzopsis coerulescens* (Desf.) Hack. ***P. holciforme*** (M.Bieb.) Roem. & Schult.: **2n = 24**: Johnson (1945) as *Oryzopsis holciformis* (M.Bieb.) Hack.; Petrova (1968). ***P. gracile*** Mez: **n = 12, 2n = 24**: Moinuddin & al. (1994). ***P. laterale*** (Munro ex Regel) Munro ex Nevski: **n = 12**: Mehra & Sharma (1975b, 1977) as *Oryzopsis lateralis* (Munro ex Regel) Stapf ex Hook.f.; Gupta & al. (2014) as *O. lateralis*; Singhal & al. (2014) as *O. lateralis*. ***P. microcarpum*** (Pilg.) Tzvelev: **n = 12**: Kaur & al. (2011a,b); **2n = 24**: Podlech & Dieterle (1969) as *Oryzopsis microcarpa* Pilg. ***P. molinioides*** Boiss.: **n = 11 + 1B**: Mehra & Sunder (1969) as *Oryzopsis molinioides* (Boiss.) Hack. ex Paulsen; ***P. munroi*** (Stapf) Mez: **2n = 22**: Mehra & Sunder (1969) as *Oryzopsis munroi* Stapf; **n = 12**: Sharma & Sharma (1978, 1979) as *O. munroi*; Moinuddin & al. (1994); Singhal & al. (2014) as *O. munroi*. ***P. songaricum*** (Trin. & Rupr.) Roshev. ex Nikitina subsp. ***songaricum***: **2n = 24**: Sokolovskaya & Probatova (1978). ***P. vicarium*** (Grig.) Roshev. ex Nikitina: **2n = 20**: Chopanov & Yurtzev (1976); **2n = 24, 26**: Sokolovskaya & Probatova (1978). ***P. virescens*** (Trin.) Boiss.: **2n = 24**: Avdulov (1928, 1931: 131) as *Oryzopsis virescens* (Trin.) Beck; Májovský (1974) as *O. virescens*; Sokolovskaya & Probatova (1978); Kožuharov & Petrova (1991); Probatova & Seledets (2008); Marhold & al. (2007) as *O. virescens*.

***Piptochaetium*** J.Presl: **2n = 22, 42, 44, ca. 60**. — ***P. avenaceum*** (L.) Parodi: **n = 11**: Gould (1958) as *Stipa avenacea* L.; Valencia & Costas (1968). ***P. bicolor*** (Vahl) É.Desv.: **2n = 22**: Covas & Bocklet (1945); Parodi (1946) citing an unpubl. count of J.I. Valencia as *P. bicolor* var. *minor* (Speg.) Parodi; Valencia & Costas (1968) as *P. bicolor* var. *minor*; Parodi (1946) citing an unpubl. count of J.I. Valencia as *P. bicolor* var. *typicum* (Speg.) Parodi; Valencia & Costas (1968) as *P. bicolor* var. *typicum*. ***P. brevicalyx*** (E.Fourn.) Ricker: **n = 11**: Gould (1965). ***P. confusum*** Parodi: **2n = 22**:

Valencia & Costas (1968). *P. fimbriatum* (Kunth) Hitchc.:  $n = 21$ : Gould (1965); Reeder (1968);  $2n = 44$ : Brown (1951: Fig. 11 and Table 1), on p. 296 apparently erroneously  $2n = 22$ ; Valencia & Costas (1968). *P. hackelii* (Arechav.) Parodi:  $2n = 22$ : Valencia & Costas (1968). *P. lasianthum* Griseb.:  $2n = 22$ : Parodi (1946); Parodi (1946) citing an unpubl. count of J.I. Valencia; Valencia & Costas (1968). *P. montevidense* (Spreng.) Parodi:  $2n = 22$ : Parodi (1946) citing an unpubl. count of J.I. Valencia; Valencia & Costas (1968). *P. napostaense* (Speg.) Hack.:  $2n = 22$ : Covas & Bocklet (1945). *P. pringlei* (Beal) Parodi:  $n = 21$ : Reeder (1977) as *Stipa pringlei* Scribn.;  $2n = 42$ : Myers (1947) citing an unpubl. count of R.M. Love as *S. pringlei*. *P. ruprechtianum* É. Desv.:  $2n = 22$ : Valencia & Costas (1968). *P. stipoides* (Trin. & Rupr.) Hack. ex Arechav.:  $2n = 22$ : Parodi (1946); Valencia & Costas (1968) as *P. stipoides* var. *chaetophorum* (Griseb.) Parodi; Valencia & Costas (1968) as *P. stipoides* var. *genuinum* Parodi; Parodi (1946) citing an unpubl. count of J.I. Valencia as *P. stipoides* var. *purpurascens* (Hack.) Parodi; Valencia & Costas (1968) as *P. stipoides* var. *purpurascens*; Parodi (1946) citing an unpubl. count of J.I. Valencia as *P. stipoides* var. *verruculosum* (Mez) Parodi; Valencia & Costas (1968) as *P. stipoides* var. *verruculosum*. *P. uruguense* Griseb.:  $2n = 22$ : Parodi (1946) citing an unpubl. count of J.I. Valencia; Valencia & Costas (1968). *P. virescens* (Kunth) Parodi:  $n = \text{ca. } 30$ : Gould (1966) as *Stipa virescens* Kunth and reporting disturbance of meiosis.

*Psammochnloa* Hitchc.: **no chromosome counts available.**

*Pseudoeriocoma* Romasch., P.M.Peterson & Soreng:  $2n = 44, 46$ . — *P. eminens* (Cav.) Romasch.:  $n = 22$ : Gould (1965) as *Stipa eminens* Cav.;  $2n = 44$ : Reeder (1984) as *S. eminens*;  $n = 23$ : Gould (1966) as *S. eminens*;  $2n = 46$ : Myers (1947) citing an unpubl. count of R.M. Love as *S. eminens*; Brown (1951) as *S. eminens* Cav.

*Ptilagrostiella* Romasch., P.M.Peterson & Soreng:  $2n = 22$ . — *P. kingii* (Bol.) Romasch.:  $2n = 22$ : Johnson (1945) as *Oryzopsis kingii* (Bol.) Beal.

*Ptilagrostis* Griseb.:  $2n = 22$ . — *P. contracta* Z.S.Zhang & W.L.Chen:  $2n = 22$ : Zhang & al. (2017). *P. junatovii* Grubov:  $2n = 22$ : Krogulevich (1971, 1972). *P. mongholica* (Turcz. ex Trin.) Griseb.:  $2n = 22$ : Sokolovskaya & Strelkova (1948); Krogulevich (1971); Murin & al. (1984) as *Achnatherum mongholicum* (Turcz. ex Trin.) Ohwi; Tateoka (1986). *P. mongholica* subsp. *mongholica*:  $2n = 22$ : Sokolovskaya & Probatova (1978); Probatova & Sokolovskaya (1980).

*Stipa* L.:  $2n = 20, 32, 40, 44, 48, 66$ . — *S. aktauensis* Roshev.:  $2n = 44$ : Sokolovskaya & Probatova (1978). *S. apertifolia* Martinovský:  $2n = 44$ : Moraldo (1986) as *S. dasyvaginata* subsp. *apennincola* Martinovský & Moraldo. *S. arabica* Trin. & Rupr.:  $n = 22$ : Sheidai & Attai (2005). *S. arabica* subsp. *caspia* (K.Koch) Tzvelev:  $2n = 44$ : Sokolovskaya & Probatova (1978). *S. baicalensis* Roshev.:  $2n = 48$ : Gusik (1973); Gusik & Levkovskiy (1979);  $2n = 44$ : Probatova & al. (2006); Korobkov & al. (2013). *S. balcanica* (Martinovský) Kožuharov:  $2n = 44$ : Kožuharov & Petrova (1991). *S. barbata* Desf.:  $2n = 44$ : Vázquez & Devesa (1996). *S. capillacea* Keng:  $2n = 44$ : Gupta & al. (2014: Table 1) as *S. koelzii* R.R.Stewart but  $n = 11$  on p. 1245 and in Fig. 36. *S. capillata* L.:  $2n = 44$ : Avdulov (1928, 1931: 129); Delay (1947); Sokolovskaya & Strelkova (1948); Tarnavski (1948); Lorenzo-Andreu (1951: 201) and erroneously as “*S. ciliata* L.” on p. 202; Lorenzo-Andreu (1953); Kožuharov & Kuzmanov (1968); Petrova (1968); Skalińska & al. (1968); Májovský (1974); Chopanov & Yurtzev (1976); Sokolovskaya & Probatova (1978); Gusik & Levkovskiy (1979); Měsíček & Javůrcová-Jarolímová (1992); Vázquez & Devesa (1996); Ghukasyan (2004); Probatova & al. (2009, 2011). *S. caucasica* Schmalh.:  $n = 22$ : Sheidai & Attai (2005);  $2n = 44$ : Sokolovskaya & Strelkova (1939); Probatova & Seledets (2008); Sokolovskaya & Strelkova (1948) as *S. glareosa* P.A.Smirn.; Probatova & Sokolovskaya (1980) as *S. glareosa*; Erst & al. (2019) as *S. glareosa*. *S. caucasica* subsp. *desertorum* (Roshev.) Tzvelev;  $2n = 44$ : Sokolovskaya & Probatova (1978). *S. ehrenbergiana* Trin. & Rupr.;  $n = 22$ : Sheidai & Attai (2005). *S. xgegarkunii* P.A.Smirn.:  $2n = 44$ : Ghukasyan (2004). *S. hohenackeriana* Trin. & Rupr.:  $n = 22$ : Sheidai & Attai (2005). *S. holosericea* Trin.:  $n = 22$ : Sheidai & Attai (2005);  $2n = 44$ : Chopanov & Yurtzev (1976), ascribed to subsp. *transcaucasica* (Grossh.)

Tzvelev by Tzvelev (1976); Strid & Andersson (1985) as *S. fontanesii* Parl.; Strid (1987). *S. iberica* Martinovský: **2n = 44**: Vázquez & Devesa (1996); Vázquez & Devesa (1996) as *S. pauneroana* (Martinovský) F.M.Vázquez & Devesa. *S. iranica* Freitag: **n = 22**: Sheidai & Attaei (2005). *S. juncea* L.: **2n = 44**: Myers (1947) citing an unpubl. count of R.M. Love; Nilsson & Lassen (1971); Vázquez & Devesa (1996) as *S. juncea* var. *cabanasii* F.M.Vázquez & Devesa; Vázquez & Devesa (1996) as *S. juncea* L. var. *juncea*. *S. kirghisorum* P.A.Smirn.: **2n = 32**: Solntzeva (1967). *S. krylovii* Roshev.: **2n = 44**: Sokolovskaya & Probatova (1978); Chepinoga & al. (2012); Probatova & al. (2013, 2016b); Chepinoga & Gnutikov (2014); Gnutikov & al. (2017). *S. lagascae* Roem. & Schult.: **n = 22**: Ferchichi & al. (1994) as *S. lagascae* var. *pubescens* Hack.; **2n = 44**: Gould & Soderstrom (1970); Faruqi & al. (1987); Devesa & al. (1991); Vázquez & Devesa (1996) as *S. clausa* subsp. *cazorlensis* F.M.Vázquez & Devesa; Vázquez & Devesa (1996) as *S. clausa* Trab. subsp. *clausa* var. *clausa*; Vázquez & Devesa (1996) as *S. lagascae* var. *australis* Maire; Vázquez & Devesa (1996) as *S. lagascae* var. *lagascae*. *S. lessinigiana* Trin. & Rupr.: **n = 22**: Sheidai & Attaei (2005); **2n = 44**: Avdulov (1931: 130); Petrova (1968); Lungeanu (1975); Chopanov & Yurtsev (1976); Magulaev (1984); Strid & Andersson (1985) as *Stipa cyllenaea* Strid; Ghukasyan (2004). *S. lingua* Junge: **2n = 44**: Chopanov & Yurtsev (1976). *S. offneri* Breistr.: **2n = 44**: Vázquez & Devesa (1996). *S. orientalis* Trin. ex Ledeb.: **n = 10**: Singhal & al. (2014); **2n = 36**: Sokolovskaya & Strelkova (1939) but regarded as miscount by Probatova & Sokolovskaya (1980); **2n = 44**: Sokolovskaya & Probatova (1978); Agapova & al. (1993) citing an unpubl. count of O.I. Zakharyeva. *S. pennata* L.: **n = 22**: Duckert-Henriod (1991) as *S. pennata* subsp. *eriocaulis* (Borbás) Martinovský & Skalický; **2n = 44**: Avdulov (1931: 130) as *S. joannis* Čelak.; Tarnavski (1948) as *S. joannis*; Petrova (1968) as *S. lithophila* P.A.Smirn.; Tarnavski & Lungeanu (1970a,b) as *S. danubialis* Dihoru & Roman; Tarnavski & Lungeanu (1970a,b) as *S. eriocaulis* Borbás; Prokudin & al. (1977) citing an unpubl. count of O.A. Petrova; Májovský (1978) as *S. eriocaulis* subsp. *austriaca* (Beck) Martinovský; Andreev (1982) as *S. joannis*; Krasnikov (1991); Vázquez & Devesa (1996) as *S. eriocaulis*; Winterfeld & al. (2015). *S. pulcherrima* K.Koch: **2n = 44**: Avdulov (1931: 130); Prokudin & al. (1977) citing an unpubl. count of O.A. Petrova; Baden (1983) as *S. epilosa* Martinovský; Strid & Andersson (1985) as *S. epilosa*; Moraldo (1986) as *S. crassiculmis* subsp. *picentina* Martinovský; **2n = 66**: Kožuharov & Petrova (1991) as *S. epilosa* Martinovský. *S. sareptana* A.K.Becker: **2n = 44**: Titova (1935). *S. tirsia* Steven: **2n = 44**: Avdulov (1931: 130) as *S. stenophylla* Czern. ex Trautv.; Prokudin & al. (1977) citing an unpubl. count of O.A. Petrova; Májovský (1978); Winterfeld & al. (2015). *S. turkestanica* Hack.: **n = 22**: Sheidai & Attaei (2005). *S. turkestanica* subsp. *trichoides* (P.A.Smirn.) Tzvelev: **2n = 40**: Chopanov & Yurtsev (1976) as *S. trichoides* P. A.Smirn. *S. ucrainica* P.A.Smirn.: **2n = 44**: Avdulov (1931: 130); Prokudin & al. (1977) citing an unpubl. count of O.A. Petrova. *S. zalesskii* Wilensky ex Grossh.: **2n = 44**: Prokudin & al. (1977) citing an unpubl. count of O.A. Petrova.

*Stipellula* Röser & Hamasha: **2n = 18, 28, ca. 34, 36**. — *S. capensis* (Thunb.) Röser & Hamasha: **2n = 18**: Borgen (1970) as *Stipa retorta* Cav.; **2n = ca. 34**: Reese (1957) as *S. retorta*; **n = 18, 2n = 36**: Devesa & al. (1991) as *S. capensis* Thunb.; **2n = 36**: Fernandes & Queirós (1969) as *S. capensis*; Dahlgren & al. (1971) as *S. capensis*; Gould & Soderstrom (1970) as *S. capensis*; Queirós (1974) as *S. capensis*; Vázquez & Devesa (1996) as *S. capensis*; Scholz & al. (1998) as *S. capensis*. *S. parviflora* (Desf.) Röser & Hamasha: **n = 14**: Ferchichi & al. (1994) as *Stipa parviflora* Desf.; **2n = 28**: Lorenzo-Andreu (1951, 1953) as *S. parviflora*; Vázquez & Devesa (1996) as *S. parviflora*.

*Thorneochloa* Romasch., P.M.Peterson & Soreng: **no chromosome counts available**.

*Timouria* Roshev.: **no chromosome counts available**.

*Trikeriaia* Bor: **no chromosome counts available**.

## REFERENCES

- Agapova, N.D., Arkharova, K.B., Vakhtina, E.A., Zemskova, E.A., Tarvis, L.V. 1993. *Chisla khromosom tsvetkovykh rasteniy flory SSSR: Moraceae–Zygophyllaceae [Chromosome numbers in flowering plants of the flora of the USSR: Moraceae–Zygophyllaceae]*. St. Petersburg: Nauka, 430 pp.
- Andreev, V.N. 1982. Pp. 575–576 in: Löve, Á. (ed.), IOPB chromosome number reports LXXVI. *Taxon* 31(3): 574–598. <https://doi.org/10.1002/j.1996-8175.1982.tb03560.x>
- Avdulov, N.P. 1928. Systematicheskaya karyologiya semeystva Gramineae. Dnevnik vsesoyuznogo s'ezda botanikov v Leningrade (1928 g.), vol. 1: 65–67. Not seen, cited after Avdulov (1931).
- Avdulov N.P. 1931. Kario-sistematicheskoe issledovanie semeystva zlakov. [Karyosystematic study of the family of grasses.] *Trudy Prikl. Bot. Selekt., Suppl.* 44: 1–428.
- Baden, C. 1983. Chromosome numbers in some Greek angiosperms. *Willdenowia* 13(2): 335–336. <https://www.jstor.org/stable/3995849>
- Belyaeva, V.A., Siplivinsky, V.N. 1977. Khromosomnye chisla i taksonomiya nekotorykh vidov baikalskoy flory. III. [Chromosome numbers and taxonomy of some species of Baikal flora. III.]. *Bot. Zhurn. (Moscow & Leningrad)* 62(8): 1132–1142.
- Borgen, L. 1970. Chromosome numbers of Macaronesian flowering plants. *Nytt Mag. Bot.* 17: 145–161.
- Bowden, W.M. 1960. Chromosome numbers and taxonomic notes on northern grasses: III. Twenty-five genera. *Canad. J. Bot.* 38(4): 541–557. <https://doi.org/10.1139/b60-049>
- Bowden, W.M., Senn, H.A. 1962. Chromosome numbers in 28 grass genera from South America. *Canad. J. Bot.* 40(8): 1115–1124. <https://doi.org/10.1139/b62-102>
- Brown, W.V. 1949. A cytological study of cleistogamous *Stipa leucotricha*. *Madroño* 10(4): 97–107. <https://www.jstor.org/stable/41422661>
- Brown, W.V. 1951. Chromosome numbers of some Texas grasses. *Bull. Torrey Bot. Club.* 78(4): 292–299. doi: 10.2307/2481991
- CCDB (The Chromosome Counts Database). 2020. Version 1.46. <http://ccdb.tau.ac.il/home/>. Accessed 21 Apr 2020.
- Chepinoga, V.A., Gnutikov, A.A. 2014. P. 1387 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 18. *Taxon* 63(6): 1387–1393. <https://doi.org/10.12705/636.37>
- Chepinoga, V.V., Gnutikov, A.A., Lubogoschinsky, P.I., Isaikina, M.M., Konovalov, A.S. 2012. Pp. 981–982 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 13. *Taxon* 61(4): 889–902. <https://doi.org/10.1002/tax.614023>
- Chopanov, P., Yurtsev, V.N. 1976. Khoromosomnye chisla nekotorykh zlakov Turkmenii. II. [Chromosome numbers of some grasses of Turkmenia. II.] *Bot. Zhurn. (Moscow & Leningrad)* 61(9): 1240–1244.
- Cialdella, A.M., Guissani, L.M., Aagesen, L., Zuloaga, F.O., Morrone, O. 2007. A phylogeny of *Piptochaetium* (Poaceae: Pooideae: Stipeae) and related genera based on a combined analysis including *trnL-F*, *rpl16*, and morphology. *Syst. Bot.* 32: 545–559. <https://doi.org/10.1600/036364407782250607>
- Covas, G. 1945. Número de cromosomas de algunas Gramíneas argentinas. *Revista Argent. Agron.* 12: 315–317.
- Covas, G., Bocklet, M. 1945. Número de cromosomas de algunas Gramineae-Stipinae de la flora Argentina. *Revista Argent. Agron.* 12: 261–265.
- Curto, M., Henderson, D.M. 1998. A new *Stipa* (Poaceae: Stipeae) from Idaho and Nevada. *Madroño* 45(1): 57–63. <https://www.jstor.org/stable/41425241>
- Dahlgren, P., Karlsson, T., Lassen, P. 1971. Studies on the flora of the Balearic Islands I. Chromosome numbers in Balearic angiosperms. *Bot. Not.* 124: 249–269.
- Darlington, C.D., Wylie, A.P. 1956. *Chromosome atlas of flowering plants*. New York: Macmillan.
- Davidse, G., Pohl, R.W. 1974. Chromosome numbers, meiotic behavior, and notes on tropical American grasses (Gramineae). *Canad. J. Bot.* 52(2): 317–328. <https://doi.org/10.1139/b74-042>
- Davidse, G., Pohl, R.W. 1978. Chromosome numbers of tropical American grasses (Gramineae) 5. *Ann. Missouri Bot. Gard.* 65(2): 637–649. doi: 10.2307/2398863



- Dawson, M.I., Beuzenberg, E.J. 2000. Contributions to a chromosome atlas of the New Zealand flora – 36. Miscellaneous families, *New Zealand J. Bot.* 38(1): 1–23.  
<https://doi.org/10.1080/0028825X.2000.9512671>
- Dedecca, D.M. 1954. Studies on the California species of *Stipa* (Gramineae). *Madroño* 12(5): 129–139. <https://www.jstor.org/stable/41422801>
- Delay, C. 1947. Recherches sur la structure des noyaux quiescents chez les Phanérogames. *Rev. Cytol. Cytophysiol. Vég.* 9(1–4): 169–222; 10(1–4): 103–229.
- Delay, C. 1950. Nombres chromosomiques chez les Phanérogames (I-re liste: 1938 à 1950). *Rev. Cytol. Cytophysiol. Vég.* 12(1–2): 1–368. Not seen, cited after Gould (1966) and Fedorov (1969).
- Devesa, J.A., Ruiz, T., Viera, M.C., Tormo, R., Vázquez, F., Carrasco, J.P., Ortega, A., Pastor, J. 1991. Contribución al conocimiento cariológico de las Poaceae en Extremadura (España) III. *Bol. Soc. Brot. Série 2*, 64: 35–74.
- de Winter, B. 1965. The South African Stipeae and Aristideae (Gramineae). An anatomical, cytological and taxonomic study. *Bothalia* 8(3):199–404.
- Duckert-Henriod, M.M. 1991. Pp. 229–236 in: Kamari, G., Felber, F., Garbari, F. (eds.), Mediterranean chromosome number reports 1. *Fl. Medit* 1: 223–245.  
<http://www.herbmedit.org/flora/01-223.pdf>
- Edgar, E., Connor, H.E. 2000. *Flora of New Zealand*, vol. 5, *Gramineae*. Lincoln, New Zealand: Manaaki Whenua Press.
- Erst, A.S., Mitrenina, E.Yu., Sukhorukov, A.P., Kuzmin, I.V., Gudkova, P.D., Tashev, A.N., Xiang, K., Wang, W. 2019. P. 1126 in: Marhold, K., Kučera, J. (eds.), IAPT chromosome data 30. *Taxon* 68: 1124–1130. <https://doi.org/10.1002/tax.12156>
- Faruqi, S.A., Quraish, H.B., Inamuddin, M. 1987. Studies in Libyan grasses. X. Chromosome number and some interesting features (1). *Ann. Bot. (Rome)* 45(2): 75–102.
- Fedorov, A.A. (ed.). 1969. *Khromosomnye chisla tsvetkovykh rasteniy. [Chromosome numbers of flowering plants]*. Leningrad: Nauka, 927 pp.
- Ferchichi, A., Nabli, N.A., Delay, J. 1994. Prospection caryologique de la famille des Poaceae en Tunisie steppique. *Acta Bot. Gallica*. 141(3): 327–341. <https://doi.org/10.1080/12538078.1994.1051516>
- Fernandes, A., Queirós, M. 1969. Contribution à la connaissance cytotaxinomique des Spermatophyta du Portugal. I. Gramineae. *Bol. Soc. Brot. Série 2*, 43: 20–144.
- Freitag, H. 1985. The genus *Stipa* (Gramineae) in southwest and south Asia. *Notes Roy. Bot. Gard. Edinburgh* 42: 355–489.
- Gallego, M.J., Talavera, S. 1994. Números cromosómicos de plantas occidentales, 696–707. *Anales Jard. Bot. Madrid* 51(2): 280.
- Gervais, C. 1966. Nombres chromosomiques chez quelques graminées alpines. *Bull. Soc. Neuchâtel. Sci. Nat.* 89: 87–100. <http://doi.org/10.5169/seals-88960>
- Ghukasyan, A.G. 2004. Kariologicheskaya izuchennost zlakov (Poaceae) Armenii. [Extent of karyological study of Armenian grasses (Poaceae).] *Fl. Rastitel'nost' Rastitel'nye Resursy Armenii [Flora, vegetation and plant resources of Armenia]* 15: 74–84. <http://takhtajania.asj-oa.am/id/eprint/297>
- Gnutikov, A.A., Myakoshina, Yu.A., Punina, E.O., Rodionov, A.V. 2017. A karyological study of grasses (Poaceae) of Altai. II. *Turczaninowia* 20(2): 16–22. <https://doi.org/10.14258/turczaninowia.20.2.2>
- Gohil, R.N., Koul, K.K. 1986. SOCGI plant chromosome number reports IV, Gramineae (Poaceae). *J. Cytol. Genet.* 21: 155.
- González, A.C., Vaio, M., Porro, V., Folle, G., Mazzella, C. 2017. Chromosome numbers, DNA content, morphological data, and nrITS sequence analyses in some species of *Nassella* (Trin.) E. Desv. and related genera (Stipeae, Poaceae). *Brazil. J. Bot.* 40: 341–352.  
<https://doi.org/10.1007/s40415-016-0337-0>
- Gould, F.W. 1958. Chromosome numbers in southwestern grasses. *Amer. J. Bot.* 45(10): 757–767.  
<https://doi.org/10.1002/j.1537-2197.1958.tb10608.x>
- Gould, F.W. 1965. Chromosome numbers in some Mexican grasses. *Bol. Soc. Bot. México*. 29: 49–62.  
<https://doi.org/10.17129/botsci.1088>

- Gould, F. W. 1966. Chromosome numbers of some Mexican grasses. *Canad. J. Bot.* 44(12): 1683–1696. <https://doi.org/10.1139/b66-181>
- Gould, F.W. 1968. Chromosome numbers of Texas grasses. *Canad. J. Bot.* 46(10): 1315–1325. <https://doi.org/10.1139/b68-175>
- Gould, F.W., Soderstrom, T.R. 1970. Pp. 104–104 in: Löve, Á. (ed.), IOPB chromosome number reports. XXV. *Taxon* 19: 102–113. <https://doi.org/10.1002/j.1996-8175.1970.tb02985.x>
- Gusik, M.B. 1973. Sutochnyi ritm i ekologiya tsveteniya i opyleniya zlakov stepei Zabaikalya i Khakassii [Daily rhythm and ecology of flowering and pollination in the grasses of the steppes of Transbaikal and Khakassia regions]. Ph.D. thesis abstract, Perm. Not seen, cited after Tzvelev (1976).
- Gusik, M.B., Levkovskiy, V.P. 1979. Khromosomnye chisla dikorastushchikh zlakov Zabaikalya i Khakassii. [Chromosome numbers of wild grasses of Transbaikal and Khakassia regions]. *Ekologiya opyleniya*. Perm. 4: 26–32. Not seen, cited after Agapova & al. (1993).
- Gupta, R.C., Chauhan, H.S., Saggoo, M.I.S., Kaur, N. 2014. Cytomorphology of some grasses (Poaceae) from Lahaul-Spiti (Himachal Pradesh), India. *Biolife* 2(4): 1234–1247.
- Hatch, S.L. 1980. Chromosome numbers of some grasses from the southwestern United States and Mexico. *S.W. Naturalist* 25(2): 278–280. doi: 10.2307/3671259
- Hatch, S.L., Bearden, D.A. 1983. *Stipa curvifolia* (Poaceae) – studies on a rare taxon. *Sida* 10(2): 184–187. <https://www.jstor.org/stable/23909549>
- Hitchcock, C.L., Spellenberg, R.W. 1968. A new *Oryzopsis* from Idaho. *Brittonia* 20: 162–165. <https://doi.org/10.2307/2805618>
- Johnson, B.L. 1945. Cytotaxonomic studies in *Oryzopsis*. *Bot. Gaz.* 107(1): 1–32. <https://www.jstor.org/stable/2472124>
- Johnson, B.L. 1960. Natural hybrids between *Oryzopsis* and *Stipa*. I. *Oryzopsis hymenoides* × *Stipa speciosa*. *Amer. J. Bot.* 47: 736–742. <https://doi.org/10.1002/j.1537-2197.1960.tb07159.x>
- Johnson, B.L. 1962a. Natural hybrids between *Oryzopsis* and *Stipa*. II. *Oryzopsis hymenoides* × *Stipa nevadensis*. *Amer. J. Bot.* 49: 540–546. <https://doi.org/10.1002/j.1537-2197.1962.tb14978.x>
- Johnson, B.L. 1962b. Amphiploidy and introgression in *Stipa*. *Amer. J. Bot.* 49: 253–262. <https://doi.org/10.1002/j.1537-2197.1962.tb14935.x>
- Johnson, B.L. 1963. Natural hybrids between *Oryzopsis* and *Stipa*. III. *Oryzopsis hymenoides* × *Stipa pinetorum*. *Amer. J. Bot.* 50: 228–234. <https://doi.org/10.1002/j.1537-2197.1963.tb12228.x>
- Johnson, B.L., Rogler, G.A. 1943. A cyto-taxonomic study of an intergeneric hybrid between *Oryzopsis hymenoides* and *Stipa viridula*. *Amer. J. Bot.* 30(1): 49–56. <https://doi.org/10.1002/j.1537-2197.1943.tb14731.x>
- Kaur, H., Gupta, R.C., Kumari, S. 2011a. P. 1789 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 12. *Taxon* 60(6): 1784–1796. <https://doi.org/10.1002/tax.606033>
- Kaur, H., Kumari, S., Gupta, R.C. (2011b). New chromosome numbers reported in grasses from Himachal Pradesh (India). *Chromosome Bot.* 6(1): 13–16. doi:10.3199/iscb.6.13
- Kerguélen, M. 1975. Les Gramineae (Poaceae) de la flore française. Essai de mise au point taxonomique et nomenclaturale. *Lejeunia, nouv. sér.* 75: 1–343.
- Korobkov, A.A., Kotseruba, V.V., Probatova, N.S., Shatokhina, A.V., Rudyka, E.G. 2013. pp. 1075–1077 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 15. *Taxon* 62(5): 1073–1083. <https://doi.org/10.12705/625.16>
- Kožuharov, S., Kuzmanov, B. 1968. Cytotaxonomic studies on Bulgarian Gramineae. *C. R. Acad. Bulg. Sci.* 21: 269–272.
- Kožuharov, S.I., Petrova, A.V. 1991. Chromosome numbers of Bulgarian angiosperms. *Fitologija* 39: 72–77.
- Krogulevich, R.E. 1971. Rol poliploidii v genezise vysokogornoy flory Stanovogo nagorya. Pp. 115–214 in: *Ekologiya flory Zabaikalya*. Irkutsk. Not seen, cited after Probatova & Sokolovskaya (1980) and Murín & al. (1984).
- Krogulevich, R.E. 1972. Vliyanie botaniko-geograficheskikh faktorov na poliploidiyu [Effect of botanical-geographic factors on polyploidy]. Pp: 12–13. in: *Nauchnye chteniya pamyati M.G. Popova*. Irkutsk. Not seen, cited after Tzvelev (1976).

- Krasnikov, A.A. 1991. Chisla khromosom nekotorykh vidov sosudistykh rasteniy Novosibirskoy oblasti. [Chromosome numbers in some species of vascular plants from Novosibirsk region.] *Bot. Zhurn. (Moscow & Leningrad)* 76(3): 476–479.
- Kumar, R., Kumari, V., Singhal, V.K. 2018. Pp. 1238–1239 in: Marhold, K., Kučera, J. (eds.), IAPT chromosome data 28. *Taxon* 67(6): 1235–1245. <https://doi.org/10.12705/676.39>
- Kumar, V., Subramaniam, B. 1987. *Chromosome atlas of flowering plants of the Indian subcontinent*, vol. 2, *Monocotyledons and bibliography*. Calcutta: Botanical Survey of India. Pp. 465–1095.
- Kumari, V., Kumar, R., Singhal, V.K. 2019. P. 1379 in: Marhold, K., Kučera, J. (eds.), IAPT chromosome data 31. *Taxon* 68(6): 1374–1380. <https://doi.org/10.1002/tax.12176>
- Kuzmanov, B. 1993. Chromosome numbers of Bulgarian angiosperms: an introduction to a chromosome atlas of the Bulgarian flora. *Fl. Medit.* 3: 19–163.
- Labadie, J.P. 1979a. Pp. 628–629 in: Löve, Á. (ed.), IOPB chromosome number reports. LXV. *Taxon* 28: 627–637.
- Labadie, J. 1979b. Étude caryosystematique de quelques espèces de la flore d'Algérie. *Naturalia monspeliensia, sér. Bot.* 32: 1–11.
- de Litardière, R. 1950. Nombres chromosomiques de diverses graminées. *Bol. Soc. Brot. sér. 2*, 24: 79–87.
- Lorenzo-Andreu, A. 1951. Cromosomas de plantas de la estepa de Aragón. III. *An. Estac. Exp. Aula Dei* 2(2): 195–203. <http://hdl.handle.net/10261/38176>
- Lorenzo-Andreu, A. 1953. Notas sobre cariología. Pp. 87–91 in: Servicio del Esparto (ed.), *Estudios y experiencias sobre el esparto, 2.ª parte*. Madrid: Ministerios de Industria, Comercio y Agricultura. Not seen, cited after Vazques & Devesa (1991)
- Löve, Á., Kjellqvist, E. 1973. Cytotaxonomy of Spanish plants. II. Monocotyledons. *Lagascalia* 3(2): 147–182.
- Löve, Á., Löve, D. 1961. Chromosome numbers of central and northwest European plant species. *Opera Bot.* 5: 1–581. Not seen, cited after Fedorov (1969).
- Löve, Á., Löve, D. 1974. *Cytotaxonomical atlas of the Slovenian flora*. Lehre: Cramer.
- Löve, Á., Löve, D. 1981. Pp. 509–511 in: Löve, Á. (ed.), Chromosome number reports. LXXI. *Taxon* 30(2): 507–516. <https://doi.org/10.1002/j.1996-8175.1981.tb00780.x>
- Love, R.M. 1946. Interspecific hybridization in *Stipa* L. I. Natural hybrids. *Amer. Naturalist.* 80 (no. 788): 189–192. <https://doi.org/10.1086/281376>
- Love, R.M. 1954. Interspecific hybridization in *Stipa* II. Hybrids of *S. cernua*, *S. lepida*, and *S. pulchra*. *Amer. J. Bot.* 41: 107–110. <https://doi.org/10.1002/j.1537-2197.1954.tb14311.x>
- Lungeanu, I. 1975. Pp. 503–504 in: Löve, Á. (ed.), IOPB chromosome number reports XLIX. *Taxon* 24(4): 501–516. <https://doi.org/10.1002/j.1996-8175.1975.tb00341.x>
- Lungeanu, I. 1980. Pp. 164–165 in: Löve, Á. (ed.), IOPB chromosome number reports. LXVI. *Taxon* 29(1): 163–169. <https://doi.org/10.1002/j.1996-8175.1980.tb00607.x>
- Luque, T., Diaz Lifante, Z. 1991. Chromosome numbers of plants collected during Iter Mediterraneum I in the SE of Spain. *Bocconea* 1: 303–364. <http://www.herbmedit.org/bocconea/1-303.pdf>
- Magulaev, A.Yu. 1984. Tzitotaksonomicheskoe izuchenie nekotorykh tsvetkovykh rasteniy Severnogo Kavkasa. [Cytotaxonomic study in some flowering plants of the North Caucasus.] *Bot. Zhurn. (Moscow & Leningrad)* 69(4): 511–517.
- Májovský, J. (ed.). 1974. Index of chromosome numbers of Slovakian flora. (Part 3). *Acta Fac. Rerum Nat. Univ. Comen., Bot.* 22: 1–20.
- Májovský, J. (ed.). 1978. Index of chromosome numbers of Slovakian flora (Part 6). *Acta Fac. Rerum Nat. Univ. Comen., Bot.* 26: 1–42.
- Marhold, K., Mártonfi, P., Mered'a, P., Mráz, P. (eds.). 2007. *Chromosome number survey of the ferns and flowering plants of Slovakia*. Bratislava: Veda.
- Mehra, P.N., Sharma, M.L. 1975a. Cytological studies in some central and eastern Himalayan grasses. IV. The Arundinelleae, Eragrosteae, Isachneae, Chlorideae, Sporoboleae, Meliceae, Stipeae, Arundineae and Garnotieae. *Cytologia* 40: 453–462. <https://doi.org/10.1508/cytologia.40.453>
- Mehra, P.N., Sharma, M.L. 1975b. Pp. 501–502 in: Löve, Á. (ed.), IOPB chromosome number reports XLIX. *Taxon* 24(4): 501–516. <https://doi.org/10.1002/j.1996-8175.1975.tb00341.x>
- Mehra, P.N., Sharma, M.L. 1977. Cytological studies on some grasses of Kashmir. *Cytologia* 42: 111–123. <https://doi.org/10.1508/cytologia.42.111>

- Mehra, P.N., Sunder, S. 1969. Cytological studies in the north Indian grasses. Part II. *Res. Bull. Panjab Univ. Sci.* 20: 503–539.
- Měsíček, J., Javůrcová-Jarolímová, V. 1992. List of chromosome numbers of the Czech vascular plants. Praha: Academia. 144 pp.
- Měsíček, J., Soják, J. 1972. Chromosome studies in Mongolian plants. *Preslia* 44: 334–358.
- Moinuddin, M., Vahidy, A.A., Ali, S.I. 1994. Chromosome counts in Arundinoideae, Chloridoideae, and Pooideae (Poaceae) from Pakistan. *Ann. Missouri Bot. Gard.* 81(4): 784–791. doi: 10.2307/2399923
- Moraldo, B. 1986. Il genere *Stipa* L. (Gramineae) in Italia. *Webbia* 40(2): 203–278. <https://doi.org/10.1080/00837792.1986.10670388>
- Murín, A., Háberová, I., Žamsran, C. 1984. Further karyological studies of the Mongolian flora. *Folia Geobot. Phytotax.* 19: 28–39. <https://www.jstor.org/stable/4180474>
- Murray, B.G., de Lange, P.J., Ferguson, A.R. 2005. Nuclear DNA variation, chromosome numbers and polyploidy in the endemic and indigenous grass flora of New Zealand. *Ann. Bot. (Oxford)* 96: 1293–1305. <https://doi.org/10.1093/aob/mci281>
- Myers, W.M. 1947. Cytology and genetics of forage grasses. *Bot. Rev. (Lancaster)* 13(6–7): 319–422. <https://www.jstor.org/stable/4353363> and <https://www.jstor.org/stable/4353364>
- Nielsen, E.L. 1939. Grass studies III. Additional somatic chromosome complements. *Amer. J. Bot.* 26(6): 369–372. <https://doi.org/10.1002/j.1537-2197.1939.tb09289.x>
- Nilsson, Ö., Lassen, P. 1971. Chromosome numbers of vascular plants from Austria, Mallorca and Yugoslavia. *Bot. Not.* 124: 270–276.
- Ono, H., Tateoka, T. 1953. Karyotaxonomy in Poaceae I. Chromosomes and taxonomic relations in some Japanese grasses. *Bot. Mag. (Tokyo)* 66: 18–27.
- Parodi, L.R. 1946. *Gramíneas bonarienses. Clave para la determinación de los géneros y enumeración de las especies*, 4th ed. Buenos Aires: Centro Estudiantes de Agronomía.
- Petrova, O.A. 1968. Khromosomnyi sostav nekotorykh zlakov flory Ukrainy v svyazi s usloviami ikh proizrastaniya. [Chromosomal composition of some Ukrainian grasses according to their growing conditions.] Pp. 37–39 in: Nikitin, V.N., (ed.), *Biologicheskaya nauka v universitetakh I pedagogicheskikh institutakh Ukrainy za 50 let. [Biological science in universities and pedagogical institutes of Ukraine for 50 years]*. Charkov: Charkov University. Not seen, cited after Prokudin & al. (1977) and Agapova & al. (1993).
- Podlech, D., Dieterle, A. 1969. Chromosomenstudien an afghanischen Pflanzen. *Candollea* 24: 185–243.
- Pohl, R.W. 1954. The allopolyploid *Stipa latiglumis*. *Madroño* 12(5): 145–150. <https://www.jstor.org/stable/41422803>
- Pohl, R.W., Davidse, G. 1971. Chromosome numbers of Costa Rican grasses. *Brittonia* 23(3): 293–324. doi: 10.2307/2805632
- Probatova, N.S., Seledets, V. 2008. Pp. 553–558 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 5. *Taxon* 57(2): 553–562. <https://doi.org/10.2307/25066021>
- Probatova, N.S., Sokolovskaya, A.P. 1980. K karyotaksonomicheskomu isucheniyu zlakov gornogo Ataya. [To the karyotaxonomic study of the grasses of Mountain Altai.] *Bot. Zhurn. (Moscow & Leningrad)* 65(4): 509–520.
- Probatova, N.S., Rudyka, E.G., Pavlova, N.S., Verkholat, V.P., Nechaev, V.A. 2006. Chisla khromosom vidov rasteniy iz Primorskogo kraya, Priamurya i Magadanskoy oblasti. [Chromosome numbers of plants of the Primorsky Territory, the Amur River basin and Magadan region.] *Bot. Zhurn. (Moscow & Leningrad)* 91(3): 491–509.
- Probatova, N.S., Rudyka, E.G., Seledets, V.P., Nechaev, V.A. 2008. Pp. 1268–1271 in: Marhold, K. (ed.), 2008. IAPT/IOPB chromosome data 6. *Taxon* 57(4): 1267–1273. <https://doi.org/10.1002/tax.574017>
- Probatova, N.S., Sedelets, V.P., Rudyka, E.G., Gnutikov, A.A., Kozhevnikova, Z.V., Barkalov, V.Yu. 2009. Pp. 1284–1288 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 8. *Taxon* 58(4): 1281–1289. <https://doi.org/10.1002/tax.584017>
- Probatova, N.S., Kazanovsky, S.G., Rudyka, E.G., Barkalov, V.Yu., Seledets, V.P., Nechaev, V.A. 2011. Pp. 1790–1794 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 12. *Taxon* 60(6): 1784–1796. <https://doi.org/10.1002/tax.606033>

- Probatova, N.S., Kazanovsky, S.G., Shatokhina, A.V. Rudyka, E.G., Verkhozina, A.V., Krivenko, D.A. 2012. Pp. 1342–1344 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 14. *Taxon* 61(6): 1336–1345. <https://doi.org/10.1002/tax.616027>
- Probatova, N.S., Kazanovsky, S.G., Rudyka, E.G., Gnutikov, A.A., Verkhozina, A.V. 2013. Pp. 1080–1081 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 15. *Taxon* 62(5): 1073–1083. <https://doi.org/10.12705/625.16>
- Probatova, N.S., Kazanovsky, S.G., Barkalov, V.Yu, Rudyka, E.G., Shatokhina, A.V. 2015. Pp. 1348–1349 in: Marhold, K. (ed.), IAPT/IOPB chromosome data 20. *Taxon* 64(6): 1344–1350. <https://doi.org/10.12705/646.42>
- Probatova, N.S., Kazanovsky, S.G., Barkalov, V.Yu., Nechaev, V.A. 2016a. Pp. 1202–1204 in: Marhold, K., Kučera, J. (eds.), IAPT/IOPB chromosome data 22. *Taxon* Vol. 65(5): 1200–1207. <https://doi.org/10.12705/655.40>
- Probatova, N.S., Krivenko, D.A., Ebel, A.L. 2016b. Pp. 1204–1205 in: Marhold, K., Kučera, J. (eds.), IAPT/IOPB chromosome data 22. *Taxon* Vol. 65(5): 1200–1207. <https://doi.org/10.12705/655.40>
- Prokudin, Yu.N, Vovk, A.G, Petrova, O.A, Ermolenko, E.D., Vernichenko, Yu.V. (ed.). 1977. *Zlaki Ukrainy [Grasses of Ukraine]*. Kiev: Naukova Dumka.
- Queirós, M. 1973. Contribuição para o conhecimento citotaxonómico das Spermatophyta de Portugal. I. Gramineae, supl. 1. *Bol. Soc. Brot. Ser. 2*, 47: 77–103.
- Queirós, M. 1974. Contribuição para o conhecimento citotaxonómico das Spermatophyta de Portugal. I. Gramineae, supl. 2. *Bol. Soc. Brot. Ser. 2*, 48: 81–98.
- Reeder, J.R. 1967. Notes on Mexican grasses VI. Miscellaneous chromosome numbers. *Bull. Torrey Bot. Club* 94(1): 1–17. <https://www.jstor.org/stable/2483595>
- Reeder, J.R. 1968. Notes on Mexican Grasses VIII. Miscellaneous chromosome numbers – 2. *Bull. Torrey Bot. Club* 95(1): 69–86. <https://www.jstor.org/stable/2483808>
- Reeder, J.R. 1977. Chromosome numbers in western grasses. *Amer. J. Bot* 64(1): 102–110. <https://doi.org/10.1002/j.1537-2197.1977.tb07611.x>
- Reeder, J.R. 1984. Pp. 132–133 in: Löve, Á. (ed.), Chromosome number reports LXXXII. *Taxon* 33(1): 126–134. <https://doi.org/10.1002/j.1996-8175.1984.tb02474.x>
- Reeder, J.R., Reeder, C.G. 1968. *Parodiella*, a new genus of grasses from the high Andes. *Bol. Soc. Argent. Bot.* 12: 268–283.
- Reese, G. 1957. Über die Polyploidiespektren in der nordsaharischen Wüstenflora. *Flora* 144(4): 598–634.
- Romaschenko, K., Peterson, P.M., Soreng, R.J., Garcia-Jacas, N., Futorna, O., Susanna, A. 2012. Systematics and evolution of the needle grasses (Poaceae: Pooideae: Stipeae) based on analysis of multiple chloroplast loci, ITS, and lemma micromorphology. *Taxon* 61(1): 18–44. <https://doi.org/10.1002/tax.611002>
- Rudyka, E.G. 1990. Chisla khromosom sosudistykh rasteniy iz raslichnykh regionov SSSR. [Chromosome numbers of vascular plants from the various regions of the USSR.] *Bot. Zhurn. (Moscow & Leningrad)* 75(12): 1783–1786.
- Saura, F. 1943. Cariología de Gramíneas. Géneros *Paspalum*, *Stipa*, *Poa*, *Andropogon* y *Phalaris*. *Rev. Fac. Agron. Vet. (Buenos Aires)* 10: 344–353. Not seen, cited after Myers (1947) and Bowden & Senn (1962).
- Saura, F. 1948. Cariología de Gramíneas en Argentina. *Rev. Fac. Agron. Vet. (Buenos Aires)* 12: 56–67. Not seen, cited after Bowden & Senn (1962).
- Scholz, H., Oberprieler, C., Vogt, R. 1998. Chromosome numbers of North African phanerogams. VII. Some notes on North African Gramineae. *Lagascalia* 20: 265–275.
- Sharma, M.L., Sharma, K. 1978. Pp. 390–391 in: Löve, Á. (ed.), IOPB chromosome number reports LXI. *Taxon* 27(4): 375–392. <https://doi.org/10.1002/j.1996-8175.1978.tb04261.x>
- Sharma, M.L., Sharma, K. 1979. Cytological studies in the north Indian grasses. *Cytologia* 44: 861–872.
- Shechter, Y., Johnson, B.L. 1966. A new species of *Oryzopsis* (Gramineae) from Wyoming. *Brittonia* 18(4): 342–347. doi: 10.2307/2805150
- Sheidai, M., Attaei, S. 2005. Meiotic studies of some *Stipa* (Poaceae) species and populations in Iran. *Cytologia* 70(1): 23–31.

- Singhal, V.K., Kumari, V., Kumar, P.V. 2014. Cytomorphological diversity in some selected members of Poaceae from Parvati Valley in Kullu district of Himachal Pradesh, India. *Pl. Syst. Evol.* 300(6): 1385-1408. doi: 10.1007/s00606-013-0969-5
- Skalińska, M., Pogan, E., Jankun, A. 1968. Dalsze badania nad kariologią flory polskiej Cz. VII. [Further studies in chromosome numbers of Polish angiosperms. Seventh contribution.] *Acta Biol. Cracov., Ser. Bot.* 11(2): 199–224.
- Sokolovskaya, A.P., Probatova, N.S. 1977. Kariologicheskoe issledovanie zlakov (Poaceae) yuzhnoy chasti Sovetskogo Dalnego Vostoka. [Karyological investigation of grasses (Poaceae) in southern part of the Soviet Far East.] *Bot. Zhurn. (Moscow & Leningrad)* 62(8): 1143–1153.
- Sokolovskaya, A.P., Probatova, N.S. 1978. Khromosomnye chisla nekotorykh zlakov (Poaceae) flory SSSR. II. [Chromosome numbers of some grasses (Poaceae) of the U.S.S.R. flora. II.] *Bot. Zhurn. (Moscow & Leningrad)* 63(9): 1247–1257.
- Sokolovskaya, A.P., Strelkova, O.S. 1939. Geograficheskoye raspredelenie poliploidov. I. Issledovanie rastitelnosti Pamira. *Uch. zap. Leningr. gor. univ., ser. biol.* 9: 35; *Tr. Petergofsk. boil. inst.* 17: 42–63. Not seen, cited after Fedorov (1969).
- Sokolovskaya, A.P., Strelkova, O.S. 1948. Geograficheskoye raspredelenie poliploidov. II. Issledovanie flory Altaya. *Uch. zap. Ped. Inst. im. Gertzena, Leningrad* 66: 179–193. Not seen, cited after Fedorov (1969).
- Solntzeva, M.P. 1967. Mikrosporogenez i razvitie muzhskogo gametofita u kovyley. [The microsporogenesis and the development of the male gametophyte in feather-grasses.] *Bot. Zhurn. (Moscow & Leningrad)* 52(12): 1757–1772.
- Spellenberg, R. 1968. Notes on *Oryzopsis hendersonii* (Gramineae). *Madroño* 19(7) 283–286. <https://www.jstor.org/stable/41423321>
- Spellenberg, R. 1970. Pp. 112–113 in: Löve, A. (ed.), IOPB chromosome number reports. XXV. *Taxon* 19(1): 102–113. <https://doi.org/10.1002/j.1996-8175.1970.tb02985.x>
- Stebbins, G.L., Love, R.M. 1941. A cytological study of California forage grasses. *Amer. J. Bot.* 28(5): 371–382. <https://doi.org/10.1002/j.1537-2197.1941.tb07983.x>
- Stepanov, N.V. 1994. Chisla khromosom nekotorykh taksonov vysshikh rasteniy flory Krasnoyarskogo kraya. [Chromosome numbers of some higher plants taxa of the flora of Krasnoyarsk region.] *Bot. Zhurn. (Moscow & Leningrad)* 79(2): 135–139.
- Strid, A. 1983. Pp. 139–140 in: Löve, A. (ed.), IOPB chromosome number reports LXXVIII. *Taxon* 32(1): 138–141. <https://doi.org/10.1002/j.1996-8175.1983.tb02410.x>
- Strid, A. 1987. Chromosome numbers of Turkish mountain plants. *Notes Roy. Bot. Gard. Edinburgh* 44(2): 351–356.
- Strid, A., Andersson, I.A. 1985. Chromosome numbers of Greek mountain plants. An annotated list of 115 species. *Bot. Jahrb. Syst.* 107(1–4): 203–228.
- Strobl, W., Wittmann, H. 1985. Beiträge zur Kenntnis von Verbreitung, Soziologie und Karyologie von *Achnatherum calamagrostis* (L.) P.B. im Bundesland Salzburg (Österreich). *Ber. Bayer. Bot. Ges.* 56: 95–102.
- Tarnavschi, I.T. 1948. Die Chromosomenzahlen der Anthophyten-Flora von Rumänien mit einem Ausblick auf das Polyploidie-Problem. *Bot. Mus. Bot. Univ. Cluj* 28, suppl. 1–130. [Buletinul Grădinii Botanice și al Muzeului Botanic dela Universitatea din Cluj]. Not seen, cited after Fedorov (1969) and Vázquez & Devesa (1996).
- Tarnavschi, I.T., Lungeanu, I. 1970a. Pp. 609–610 in: Löve, A. (ed.), IOPB chromosome number reports XXVIII. *Taxon* 19: 608–610. <https://doi.org/10.1002/j.1996-8175.1970.tb03062.x>
- Tarnavschi, I.T., Lungeanu, I. 1970b. Chromosomenzahlen von einigen in Rumänien wildwachsenden Anthophyten. *Rev. Roum. Biol., Bot.* 15(6): 381–383.
- Tateoka, T. 1955. Karyotaxonomy in Poaceae III. Further studies of somatic chromosomes. *Cytologia* 20(4): 296–306. <https://doi.org/10.1508/cytologia.20.296>
- Tateoka, T. 1957. Notes on some grasses VI. *Bot. Mag. (Tokyo)* 70: 119–125. <https://doi.org/10.15281/jplantres1887.70.119>
- Tateoka, T. 1962. A cytological study of some Mexican grasses. *Bull. Torrey Bot. Club.* 89(2): 77–82. doi: 10.2307/2482528
- Tateoka, T. 1967. P. 561–564 in: Löve, A. (ed.), IOPB chromosome number reports. XIV. *Taxon* 16(6): 552–571. <https://doi.org/10.1002/j.1996-8175.1967.tb02139.x>

- Tateoka, T. 1986. Chromosome numbers in the tribe Stipeae (Poaceae) in Japan. *Bull. Natl. Sci. Mus. Tokyo*, B, 12: 151–154.
- Titova, N.N. 1935. Poiski rastitelnoy drosofilii. [Searches for plant fruit flies.] *Sov. botanika* 2: 61–62. Not seen, cited after Fedorov (1969).
- Tzvelev, N.N. 1976. *Zlaki SSSR*. Leningrad: Nauka.
- Vázquez, F.M., Devesa, J.A. 1996. Revisión del género *Stipa* L. y *Nassella* Desv. (Poaceae) en la Península Ibérica e Islas Baleares. *Acta Bot. Malac.* 21: 125–189.
- Valencia, J. I., Costas, M. 1968. Estudios citotaxonómicos sobre *Piptochaetium* (Gramineae). *Bol. Soc. Argent. Bot.* 12: 168–179.
- Verlaque, R., Reynaud, C., Aboucaya, A. 1997. Pp. 240–246 in: Kamari, G., Felber, F., Garbari, F. (eds.), Mediterranean chromosome number reports 7. *Fl. Medit* 7: 197–275. <http://www.herbmedit.org/flora/7-197.pdf>
- Winterfeld, G. 2006. Molekular-cytogenetische Untersuchungen an Hafergräsern (Aveneae) und anderen Poaceae. *Stapfia* 86: 1–170.
- Winterfeld, G., Schneider, J., Becher, H., Dickie, J., Röser, M. 2015. Karyosystematics of the Australasian stipoid grass *Austrostipa* and related genera: chromosome sizes, ploidy, chromosome base numbers, and phylogeny. *Austral. Syst. Bot.* 28: 145–159. <https://doi.org/10.1071/SB14029>
- Zhang, Z.S., Li, L.L., Chen, W.L. 2017. *Ptilagrostis contracta* (Stipeae, Poaceae), a new species endemic to Qinghai-Tibet Plateau. *PloS ONE* 12(1): e0166603. <https://doi.org/10.1371/journal.pone.0166603>