

**First cytogenetic report on seven species of Coreidae
(Heteroptera) with a bibliographic review of chromosomal data**

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Supplementary material

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Table S1. Chromosomal data on Coreidae

S.No.	Species	2n	Chromosomal complement	References
COREIDAE Leach				
Coreinae Leach				
Coreini Leach				
1.	<i>Acanonicus hahni</i> (Stal)	19	18A+X0	Papeschi & Mola (1990)
2.	<i>Althos inconspicuus</i> (Herrich – Schaeffer)	23	N.M.	Wilson (1909a)
3.	<i>Anasa armigera</i> (Say)	21	18A+2m+X0	Montgomery (1901, 1906)
4.	<i>Anasa bellator</i> (Fabricius)	21	18A+2m+X0	Souza <i>et al.</i> (2007)
5.	<i>Anasa tristis</i> (De Geer)	21	18A+2m+X0	Montgomery (1901, 1906), Wilson (1905, 1906, 1907a, 1911)
		22	N.M.	Paulimer (1899), Foot & Strobell (1907)
6.	<i>Anasa</i> sp. Amyot and Serville	21	18A+2m+X0	Montgomery (1901, 1906)
7.	<i>Catorintha</i> sp.	25	22A+2m+X0	Wilson (1907a)
8.	<i>Catorintha guttula</i> (Fabricius)	25	22A+2m+X0	Souza <i>et al.</i> (2009)
9.	<i>Centrocoris spinger</i> (Fabricius)	22	X0	Schachow (1932)
10.	<i>Centrocoris vasriegates</i> Kolenati	22	N.M.	Schachow (1932)
11.	<i>Coreus marginatus</i> (Linnaeus)	22	18A+2m+X ₁ X ₂ 0	Nokkala (1986)
12.	<i>Coreus marginatus</i> var. <i>fundator</i>	22	X ₁ X ₂ X ₃ 0	Xavier (1945)
13.	<i>Enoplops cornutus</i> (Herrich – Schaefer)	22	N.M.	Xavier (1945)
14.	<i>Haploprocta sulcicornis</i> (Fabricius)	18	N.M.	Xavier (1945)
15.	<i>Hypselonotus fulvus</i> (De Geer)	19	16A+2m+X0	Souza <i>et al.</i> (2009)
16.	<i>Mesocerus marginatus</i> (Linnaeus)	22	X0	Schachow (1932)
17.	<i>Mesocerus marginatus orientalis</i>	22	18A+2m+X ₁ X ₂ 0	Yosida (1944)
18.	<i>Sphictyrtus fasciatus</i> (Burmiester)	19	16A+2m+X0	Souza <i>et al.</i> (2007)
19.	<i>Syromastes marginatus</i> Horvath	22	18A+2m+X ₁ X ₂ 0	Wilson (1909a, b)
		21	18A+2m+X0	Geitler (1939)
20.	<i>Syromastes rhombeus quadratus</i> (Linnaeus)	22	X0	Schachow (1932)
21.	<i>Zicca annulata</i> (Burmiester)	23	20A+2m+X0	Souza <i>et al.</i> (2007)
Acanthocerini Bergroth				
1.	<i>Athaumastus haematicus</i> (Stal)	21	18A+2m+X0	Bressa <i>et al.</i> (2005), Souza <i>et al.</i> (2007)
2.	<i>Camptischium clavipes</i> (Fabricius)	21	18A+2m+X0	Cattani <i>et al.</i> (2004)
3.	<i>Crinocerus sanctus</i> (Fabricius)	21	18A+2m+X0	Piza (1956)
4.	<i>Euthochtha galeator</i> (Fabricius)	21	18A+2m+X0	Wilson (1907a, 1909c)
Nematopodini Amyot and Serville				
1.	<i>Archimerus alternatus</i> (Say)	15	12A+2m+X0	Wilson (1932)
2.	<i>Archimerus calcarator</i> (Fabricius)	15	12A+2m+X0	Wilson (1905)
3.	<i>Pachylis argentinus</i> Bergroth	15	12A+2m+X0	Papeschi <i>et al.</i> (2003)
4.	<i>Pachylis gigas</i> (Thunberg)	15	12A+2m+X0	Wilson (1907a, 1909c, 1911)
5.	<i>Pachylis laticornis</i> (Fabricius)	15	12A+2m+X0	Piza (1946)
6.	<i>Pachylis pharaonis</i> (Herbts)	17	14A+2m+X0	Piza (1946)
Acanthocorini Amyot and Serville				
1.	* <i>Acanthocoris scabrator</i> (Fabricius)	26	24A+X ₁ X ₂ 0	Sands (1982)
		24	22A+X ₁ X ₂ 0	Manna (1951)

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S.No. Species	2n	Chromosomal complement	References
2. <i>Acanthocoris sordidus</i> (Thunberg)	24	20A+2m+X ₁ X ₂ 0	Yosida (1944, 1946, 1947)
3. * <i>Acanthocoris anticus</i> Walker	24	22A+X ₁ X ₂ 0	Present work
4. * <i>Physomerus</i> sp. Burmeister	19	16A+2m+X0	Satapathy <i>et al.</i> (1990)
5. <i>Physomerus grossipes</i> Fabricius	19	16A+2m+X0	Sands (1982)
6. <i>Physomerus parvulus</i> Dallas	19	16A+2m+X0	Sands (1982)
Anisoscelini Laporte			
1. <i>Anisoscelis foliacea</i> Fabricius	27	24A+2m+X0	Piza (1945)
2. <i>Dallocoris</i> (= <i>Phthia</i>) <i>picta</i> (Drury)	21	18A+2m+X0	Piza (1945), Bressa <i>et al.</i> (2005)
3. <i>Dallocoris</i> (= <i>Phthia</i>) <i>obscura</i>	21	18A+2m+X0	Souza <i>et al.</i> (2007)
4. <i>Dallocoris</i> (= <i>Phthia</i>) <i>pictus</i>	21	18A+2m+X0	Souza <i>et al.</i> (2007)
5. <i>Diactor bilineatus</i> (Fabricius, 1803)	21	18A+2m+X0	Piza (1945)
6. <i>Holhymenia clavigera</i> (Herbst)	29	26A+2m+X0	Piza (1956)
7. <i>Holhymenia rubiginosa</i> Breddin	27	24A+2m+X0	Toscani <i>et al.</i> (2008), Bressa <i>et al.</i> (2008)
8. <i>Leptoglossus dilacticolis</i> (Guerin-Meneville)	21	18A+2m+X0	Piza (1956)
9. <i>Leptoglossus gonagra</i> (Fabricius)	21	18A+2m+X0	Souza <i>et al.</i> (2007), Piza (1945)
10. <i>Leptoglossus impictus</i> (Stal)	21	18A+2m+X0	Bressa <i>et al.</i> (2005)
11. <i>Leptoglossus phyllopus</i> (Linnaeus)	21	18A+2m+X0	Wilson (1907a, 1909c, 1911)
12. <i>Leptoglossus stigma</i> (Herbst)	21	18A+2m+X0	Piza (1946)
13. <i>Leptoglossus zonatus</i> (Dallas)	21	18A+2m+X0	Souza <i>et al.</i> (2007)
14. <i>Narnia</i> Stal	21	18A+2m+X0	Wilson (1909c)
Mictini Amyot and Serville			
1. * <i>Anoplocnemis compressa</i> Dallas	16	14A+X ₁ X ₂ 0	Present work
2. * <i>Anoplocnemis phasiana</i> Fabricius	15	14A+X0	Sands (1982), Dey & Wangdi (1990)
3. <i>Derepteryx chinai</i> Miller	21	18A+2m+X0	Sands (1982)
4. * <i>Derepteryx hardwicki</i> White	23	20A+2m+X0	Dey & Wangdi (1985)
5. * <i>Elasmomia granulipes</i> Westwood	21	18A+2m+X0	Manna (1951)
6. <i>Mictis gallina</i> Dallas	21	18A+2m+X0	Sands (1982)
7. <i>Mictis longicornis</i> Westwood	21	18A+2m+X0	Sands (1982)
8. <i>Molipteryx fuliginosa</i> (Uhler)	21	18A+2m+X0	Takenouchi & Muramoto (1970)
9. * <i>Ochrochira</i> sp. Stal	26	22A+2m+X ₁ X ₂ 0	Jande (1959)
10. * <i>Ochrochira aberrans</i> (Distant)	21	18A+2m+X0	Present work
11. * <i>Ochrochira albiditarsis</i> Westwood	21	20A+X0	Parshad (1957b)
12. * <i>Ochrochira granulipes</i> (Westwood)	21	18A+2m+X0	Dey & Wangdi (1990)
13. <i>Ochrochira rubrotincta</i> (Miller)	21	18A+2m+X0	Sands (1982)
Discogastrini Stal			
1. <i>Carlisis wahlbergi</i> Stal	20	18A+ X ₁ X ₂ 0	Fossey & Liebenberg (1995)
Chariesterini Stal			
1. <i>Chariesterus antennator</i> (Fabricius)	25	22A+2m+X0	Montgomery (1901, 1906), Wilson (1909c)
	21	N.M.	Wilson (1905)
2. <i>Chariesterus armatus</i> (Thunberg)	25	22A+2m+X0	Piza (1957), Souza <i>et al.</i> (2007), Arakaki (2010)

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Chelinideini Blatchley				
1.	<i>Chelinidea vittiger</i> Uhler	21	18A+2m+X0	Wilson (1907a)
Gonocerini Mulsant and Rey				
1.	* <i>Cletomorpha hastata</i> (Fabricius)	22	18A+2m+X ₁ X ₂ 0	Manna (1951)
2.	* <i>Cletomorpha raja</i> Distant	20	16A+2m+X ₁ X ₂ 0	Present work
3.	* <i>Cletus</i> Stal	17	14A+2m+X0	Das (1958)
4.	* <i>Cletus</i> Stal	19	18A+X0	Parshad (1957b)
5.	* <i>Cletus</i> Stal	21	18A+2m+X0	Satapathy & Patnaik (1989)
6.	* <i>Cletus</i> Stal	18	14A+2m+X ₁ X ₂ 0	Satapathy & Patnaik (1989)
7.	* <i>Cletus bipunctatus</i> (Herrich-Schaffer)	18	14A+2m+X ₁ X ₂ 0	Manna (1951), Banerjee (1958)
		17	14A+2m+X0	Kaur <i>et al.</i> (2006)
8.	<i>Cletus hoplomachus</i> Breddin	18	14A+2m+ X ₁ X ₂ 0	Toshioka (1935)
9.	* <i>Cletus pallescens</i> Walker	18	14A+2m+ X ₁ X ₂ 0	Present work
10.	* <i>Cletus pugnator</i> (Fabricius)	18	14A+2m+ X ₁ X ₂ 0	Dutt (1957)
11.	* <i>Cletus punctiger</i> (Dallas)	18	14A+2m+X ₁ X ₂ 0	Parshad (1958), Sands (1982)
12.	* <i>Cletus punctulatus</i> (Westwood)	18	14A+2m+ X ₁ X ₂ 0	Parshad (1957b), Kaur & Semahagn (2010)
13.	<i>Cletus rusticus</i> Stal	18	14A+2m+ X ₁ X ₂ 0	Toshioka (1935)
14.	* <i>Cletus trigonus</i> (Thunberg)	18	14A+2m+ X ₁ X ₂ 0	Toshioka (1935), Parshad (1957a, b), Sands (1982)
15.	<i>Gonocerus acuteangulatus</i> (Goeze)	20	X0	Schachow (1932)
		19	N.M.	Xavier (1945)
16.	<i>Gonocerus juniperi</i> var. <i>triquetricornis</i> (Rambur)	19	N.M.	Xavier (1945)
17.	<i>Plinactus bicoloripes</i> Scott	21	20A+X0	Muramoto (1978, 1979)
Daladerini Stal				
1.	* <i>Dalader planiventris</i> Westwood	21	18A+2m+X0	Dey & Wangdi (1985)
Anhomoeini Hsiao				
1.	* <i>Anhomoeus sulcatus</i> (Distant)	21	18A+2m+X0	Present Work
Homoeocerini Amyot and Serville				
1.	<i>Anacanthocoris concolaratus</i> (Uhler)	21	N.M.	Toshioka (1934)
2.	* <i>Homoeocerus</i> sp. Burmeister	21	18A+2m+X0	Parshad (1957a, b), Manna & Deb Mallick (1981)
3.	* <i>Homoeocerus (omanocoris) variabilis</i> (Dallas)	21	18A+2m+X0	Dutt (1957)
4.	<i>Homoeocerus angulatus</i> Westwood	22	18A+2m+ X ₁ X ₂ 0	Sands (1982)
5.	* <i>Homoeocerus borealis</i> Distant	21	18A+2m+X0	Parshad (1957b)
6.	<i>Homoeocerus dilatatus</i> Horvath	21	18A+2m+X0	Takenouchi & Muramoto (1967)
7.	<i>Homoeocerus dilatus</i> Horvath	21	18A+2m+X0	Toshioka (1934)
8.	* <i>Homoeocerus indus</i> Distant	21	18A+2m+X0	Parshad (1957a, b)
9.	* <i>Homoeocerus lacertorsus</i> Distant	21	18A+2m+X0	Parshad (1957b)
10.	<i>Homoeocerus limbatipennis</i> (Stal)	20	18A+X ₁ X ₂ 0	Sands (1982)
11.	<i>Homoeocerus pallidulus</i> Blote	N.M.	N.M.	Muramoto (1978)
12.	* <i>Homoeocerus prominulus</i> (Dallas)	21	18A+2m+X0	Parshad (1957b)

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13.	<i>Homoeocerus serrifer</i> (Westwood)	18	16A+ X ₁ X ₂ 0	Sands (1982)
14.	* <i>Homoeocerus signatus</i> Walker,	21	18A+2m+X0	Parshad (1957a)
15.	* <i>Homoeocerus simidus</i>	21	18A+2m+X0	Parshad (1957a)
16.	<i>Homoeocerus unipunctatus</i> (Thunberg)	19	16A+2m+X0	Toshioka (1935)
Colpurini Breddin				
1.	<i>Hygia opaca</i> (Uhler)	21	18A+2m+X0	Muramoto (1973, 1979)
2.	* <i>Hygia touchi</i> Distant	17	16A+X0	Manna & Deb Mallick (1981)
3.	<i>Pachycephalus</i> sp Uhler	22	X ₁ X ₂ 0	Yosida (1949, 1950)
Acanthocephalini Stal				
1.	<i>Metapodius femoratus</i> Fabricius	22	X0	Wilson (1907b, 1909c, 1910)
		23	XY	Wilson (1907b, 1909c, 1910)
		24	XY + 2 supernumerary	Wilson (1907b, 1909c, 1910)
		26	XY + 3 supernumerary	Wilson (1907b, 1909c, 1910)
		28	XY + 4 supernumerary	Wilson (1907b, 1909c, 1910)
2.	<i>Metapodius granulatus</i> (Dallas)	22	XY	Wilson (1907b, 1909c, 1910)
		23	XY + 1 supernumerary	Wilson (1907b, 1909c, 1910)
		24	XY + 2 supernumerary	Wilson (1907b, 1909c, 1910)
		25	XY + 3 supernumerary	Wilson (1907b, 1909c, 1910)
		26	XY + 4 supernumerary	Wilson (1907b, 1909c, 1910)
3.	<i>Metapodius terminalis</i> (Dallas)	21	18A+2m+X0	Montgomery (1901, 1906)
		22	XY + 1 supernumerary	Wilson (1907b, 1909c)
		23	XY + 2 supernumerary	Wilson (1907b, 1909c)
		24	XY + 3 supernumerary	Wilson (1907b, 1909c)
		25	XY + 4 supernumerary	Wilson (1907b, 1909c)
		26	XY + 5 supernumerary	Wilson (1907b, 1909c)
Cloresmini Stal				
1.	<i>Notobitus</i> sp. Stal	21	18A+2m+X0	Sands (1982)
2.	<i>Notobitus affinis</i> Dallas	21	18A+2m+X0	Sands (1982)
3.	* <i>Notobitus excellens</i> Distant	21	18A+2m+X0	Dey & Wangdi (1985)
4.	* <i>Notobitus meleagris</i> Fabricius	21	18A+2m+X0	Kaur (2007)
Petascelini Stal				
1.	* <i>Petillia calcar</i> Dallas	28	24A+2m+ X ₁ X ₂ 0	Parshad (1957a, b)
2.	* <i>Petillia notatipes</i> Walker	28	24A+2m+ X ₁ X ₂ 0	Manna (1951)
3.	* <i>Petillia patullicolis</i> Walker	28	24A+2m+ X ₁ X ₂ 0	Dey & Wangdi (1988)
Spartocerini Amyot and Serville				
1.	<i>Spartocera batatas</i> (Fabricius)	24	20A+2m+ X ₁ X ₂ 0	Franco <i>et al.</i> (2006)
2.	<i>Spartocera fusca</i> (Thunberg)	24	20A+2m+ X ₁ X ₂ 0	Franco <i>et al.</i> (2006)
Pseudophloeinae Stal				
Clavigrallini Stal				
1.	<i>Clavigralla spinofemoralis</i> Shiraki	13	10A+2m+X0	Muramoto (1978)
2.	* <i>Clavigralla scutellaris</i> (Westwood)	13	10A+2m+X0	Present work

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Pseudophloeini Stal				
1.	<i>Coriomeris denticulatus</i> (Scopoli)	22	X0	Schachow (1932)
2.	<i>Coriomeris scabricornis</i> (Panzer)	13	10A+2m+X0	Takenouchi & Muramoto (1964), Muramoto (1973)
3.	<i>Ceraleptus obtusus</i> (Brulle)	13	N.M.	Xavier (1945)

* Indian Species

N.M.: Not Mentioned