

**Updated tables, figures and references of Palme, 2019,
and the respective supplements (Date: 2nd October 2023)**

Table 2: Overview of investigated species (by number) of Mammalia, Aves and others – given in total (first line), but also split up by order or phylum. The number of papers and the percentage of papers from “non-validated” studies (%n-v) are also given. *Notice that in the case a paper investigated more than one species, it is counted for each species separately.

Phylum	Order	Species (no.)	Papers (no.)*	%n-v
Sum		462	2053	38%
<i>Mammalia</i>		<u>343</u>	<u>1759</u>	<u>39%</u>
	Primates	87	378	45%
	Glires (Rodentia/Lagomorpha)	73	566	41%
	Artiodactyla	66	337	40%
	Perissodactyla/Paenungulata	16	169	30%
	Carnivora	56	229	30%
	Marsupialia/Xenartha/Chiroptera	45	80	29%
<i>Aves</i>		<u>87</u>	<u>252</u>	<u>32%</u>
	Anseriformes	10	35	23%
	Charadriiformes	6	8	13%
	Galliformes	8	68	34%
	Passeriformes	19	44	32%
	Pelecaniformes	3	15	67%
	Psittaciformes	12	20	40%
	Sphenisciformes	6	16	6%
	Others	23	46	30%
<i>Others</i>		<u>32</u>	<u>42</u>	<u>65%</u>
	Reptilia	22	29	64%
	Amphibia	3	3	33%
	Fish	6	9	78%
	Mollusca	1	1	100%

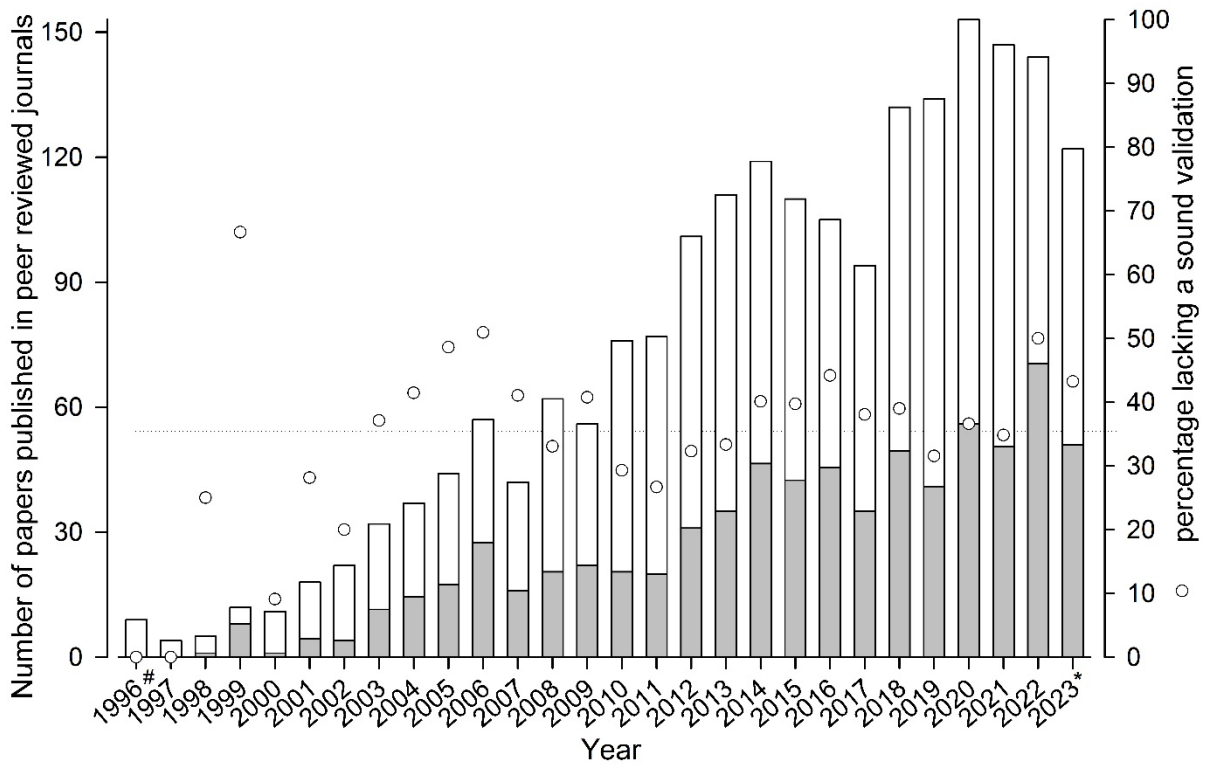


Fig. 3: Number of FCM papers published by year (grey bar: number of papers representing non-validated FCM studies, white bar: number of papers of validated studies plus reviews) and the percentage (o; right y-axis) of non-validated studies (the 68 reviews were excluded). If a method utilized to measure FCM was not physiologically or biologically validated, that paper was rated “non-validated” (see section 2.). # ≤1996; *as of the 2nd October 2023

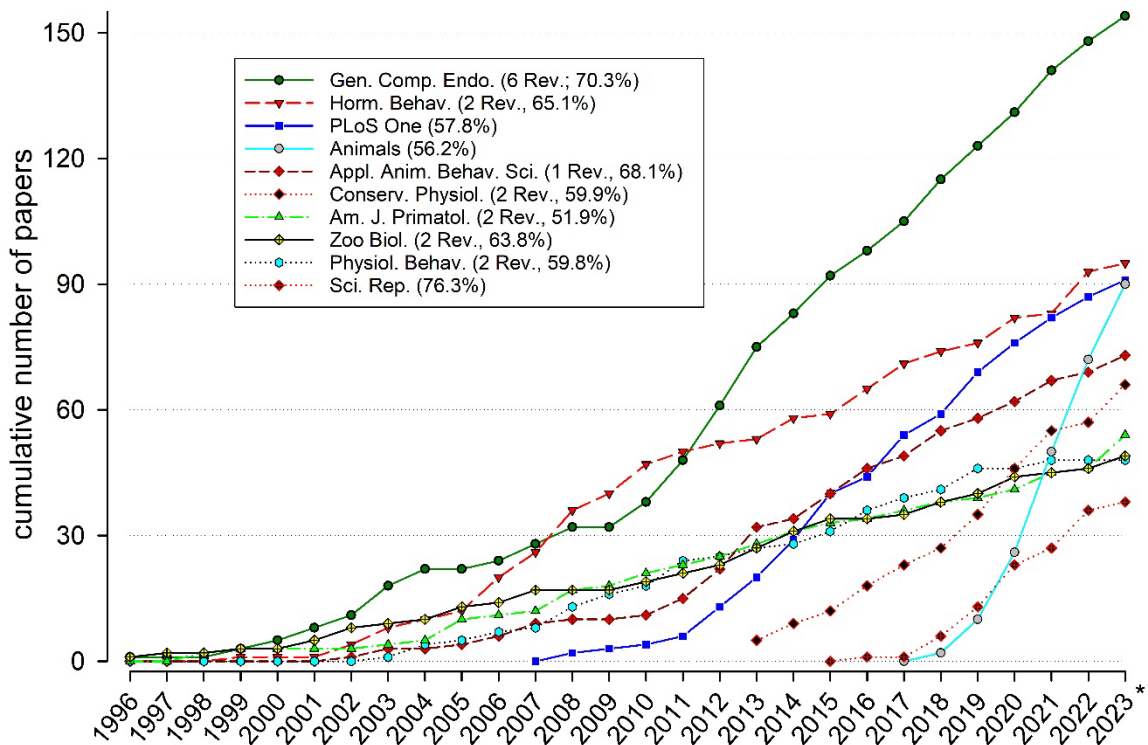


Fig. 4: Cumulative number of FCM papers published in the top 10 journals. The number of reviews and the percentage of papers from studies using validated FCM methodology (reviews excluded) are given in brackets. *as of the 2nd October 2023

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Introductory statement

I have tried to collect all published FCM papers (criteria see M&M section). My rating of the papers is focused on FCM methodology (not on other aspects), and here most importantly whether utilized methods have been validated (indicated by a positive physiological or biological validation). Though this review was conducted very carefully and in a thorough manner, by handling more than 2100 papers some errors most likely have occurred. Please accept sincere apologies for any inconvenience this may cause.

Table S1: Published reviews, which deal with different aspects of FCMs (or with results derived from FCM studies). Reviews dealing only with a special group (order/taxa) of animals are listed in the following **Tables S2-S9**.

FCMs as indicators of stress (most papers also address many of the other issues listed below)

General: Möstl and Palme, 2002; von der Ohe and Servheen, 2002; Lane, 2006; Keay et al., 2006; Möstl, 2014

Farm animals/welfare: Mormede et al., 2007; Palme, 2012; Cook, 2012

Zoo and wildlife: Wielebnowski, 2003; Hernandez-Jauregui et al., 2005; Schwarzenberger, 2007;

Wielebnowski and Watters, 2007; Sheriff et al., 2011a; Romano et al., 2010; Malikova et al., 2018;

[Kumar and Umapathy, 2019](#); [Tallo-Parra et al., 2023](#)

Aquatic mammals: Amaral, 2010

Conservation: Millspaugh and Washburn, 2004; Busch and Hayward, 2009; Ganswindt et al., 2012c;

Dantzer et al., 2014; Kersey and Dehnhard, 2014

FCM metabolism and excretion (background information)

Taylor, 1971; Palme et al., 2005

Focus on specific (methodological) issues

Faeces collection (indigestible markers): Fuller et al., 2011

Extraction: Palme et al., 2013

EIA: Möstl et al., 2005; 2014; LC-MS: Murtagh et al., 2013

Guidelines: Palme, 2005

Validation: Buchanan and Goldsmith, 2004; Touma and Palme, 2005; Goymann, 2005

Confounding factors: Goymann, 2012

Different aspects (including FCM studies)

Repeatability of GC measurement (meta-analysis): Schoenemann and Bonier, 2018; Taff et al., 2018

Social dominance and GCs: Creel, 2001

GCs and pregnancy: Edwards and Boonstra, 2018

[GCs and population health \(meta-analysis\): Newediuk and Bath, 2023](#)

[Human disturbances and GCs \(meta-analysis\): Pérez-Ortega and Hendry, 2023](#)

General information related to Tables S2-S9

Citation in normal letters: study utilized method for FCM analysis which has been (physiologically/biologically) validated; **bold: paper where such a validation is described in detail**; *italics: paper with a non-validated FCM method*; * includes a radiometabolism study; (S) storage and (E) extraction experiments performed

^ HPLC immunogram included; + more than one immunoassay was tested/applied; ↑ ACTH challenge test or

↓ dexamethasone suppression test included

Table S2: Published papers dealing with FCMs in different species (grouped by “Family”) of the order “Primates” (see general information on page II for further details)

Reviews (ordered by year)		
Hormone-behaviour interactions (Whitten et al., 1998a; Anestis, 2010); methodological issues (Ziegler and Wittwer, 2005); enzyme immunoassay comparisons (Heistermann et al., 2006); stress and coping in females (Cheney and Seyfarth, 2009); well-being (Novak et al., 2013); social status and stress (Cavigelli and Caruso, 2015); sociality and reproduction in rhesus macaques (Maestriperi and Georgiev, 2016); field endocrinology (Higham, 2016); physiological markers of stress (Behringer and Deschner, 2017); anthropogenic disturbances (Kaisin et al., 2021)		
Family/Latin name	common name	articles (ordered by year; validations/validated first)
Cheirogaleidae (dwarf lemurs)		
<i>Microcebus murinus</i>	gray mouse lemurs	Hämäläinen et al., 2014⁺ (S), 2015
<i>Microcebus rufus</i>	brown mouse lemur	Zohdy et al., 2017
Lemuridae (lemurs)		
<i>Eulemur collaris</i>	collared brown lemur	Balestri et al., 2014⁺ ; Volfova et al., 2020b
<i>Eulemur rufifrons</i>	red-fronted lemur	Ostner et al., 2008b⁺ ; Clough et al., 2010 ; Murillo et al., 2022
<i>Eulemur albifrons</i>	white-headed lemur	Volfova et al., 2020b
<i>Eulemur flavifrons</i>	blue-eyed black lemur	Grebe et al., 2022
<i>Eulemur rubriventer</i>	red-bellied lemur	Tecot et al., 2023
<i>Lemur catta</i>	ring-tailed lemur	Volfová et al., 2020a, b ; Cavigelli, 1999 ; Cavigelli et al., 2003 ; Gould et al., 2005 ; Pride, 2005a-c ; Starling et al., 2010 ; Smith et al., 2015 ; Gabriel et al., 2018 ; Pollastrì et al., 2022
<i>Varecia variegata</i>	black-and-white ruffed lemur	Volfová et al., 2019
<i>Varecia rubra</i>	red-ruffed lemur	Vaglio et al., 2021
Lorisidae (loris)		
<i>Nycticebus pygmaeus</i>	pygmy slow loris	Fernandez-Lazaro et al., 2019 ; Yamanashi et al., 2021 ; Alejandro et al., 2023
Indriidae		
<i>Propithecus verreauxi</i>	Verreaux’s sifaka	Fichtel et al., 2007⁺ (S); Rudolph et al., 2019, 2020, 2022 ; Dinter et al., 2021 ; Malalaharivony et al., 2021 ; Brockman et al., 2009
<i>Propithecus diadema</i>	diademmed sifaka	Tecot et al., 2019
<i>Propithecus coquereli</i>	Coquerel's sifaka	Ross, 2020
Galagidae		
<i>Galago moholi</i>	African lesser bushbaby	Scheun et al., 2015⁺ , 2017
<i>Otolemur garnettii</i>	Garnett's bushbaby	Watson et al., 2005
<i>Otolemur crassicaudatus</i>	thick-tailed greater galago	Long et al., 2021⁺
Callitrichidae (New World monkeys)		
<i>Callithrix jacchus</i>	common marmoset	Bahr et al., 2000⁺ ; Heistermann et al., 2006⁺ ; Sousa and Ziegler, 1998 ; Albuquerque et al., 2001 ; Raminelli et al., 2001 ; Ziegler and Sousa, 2002 ; Sousa et al., 2005, 2015 ; Barbosa and Mota, 2009 ; Lampert et al., 2011 ; Kuehnel et al., 2012 ; Galvao-Coelho et al., 2012, 2017 ; Galvao et al., 2016 ; da Silva et al., 2019 ; Fernandez-Lazaro et al., 2019 ; Santos et al., 2022 ; Grilo et al., 2022
<i>Callithrix geoffroyi</i>	white-fronted marmoset	Wark et al., 2016 ; Fernandez-Lazaro et al., 2019
<i>Callithrix penicillata</i>	black-tufted marmoset	Pizzutto et al., 2015a⁺
<i>Callimico goeldii</i>	Goeldi’s monkey	Wark et al., 2016
<i>Cebuella pygmaea</i>	pygmy marmoset	Fernandez-Lazaro et al., 2019
<i>Saguinus bicolor</i>	ped tamarin	Wark et al., 2016 ; Armstrong and Santymire, 2013 ; Price et al., 2019 ; Wark et al., 2023
<i>Saguinus imperator</i>	emperor tamarin	Fernandez-Lazaro et al., 2019
<i>Saguinus mystax</i>	moustached tamarin	Huck et al., 2005
<i>Saguinus oedipus</i>	cotton-top tamarin	Keller et al., 2014 ; Fontani et al., 2014 ; Fernandez-Lazaro et al., 2019
<i>Leontopithecus rosalia</i>	golden lion tamarin	Wark et al., 2016 ; Bales et al., 2002, 2005, 2006 ; Fernandez-Lazaro et al., 2019
<i>L. chrysopygus</i>	black lion tamarin	Bertoli et al., 2019⁺ ; Kaisin et al., 2023
<i>L. chrysomelas</i>	golden-headed lion tam.	Costa et al., 2020
Cebidae (New World monkeys)		
<i>Cebus capucinus/imitator</i>	white-faced capuchin	Weltring et al., 2012 (LC-MS) ; Jack et al., 2008, 2014 ; Carnegie et al., 2011 ; Schoof et al., 2011, 2014, 2016 ; Schoof and Jack, 2013 ; Beehner et al., 2022
<i>Sapajus apella</i>	tufted capuchin monkey	Wheeler et al., 2013⁺ (S); 2014; Kean et al., 2017 ; Boinski et al., 1999a, b ; Lynch et al., 2002⁺ ; Ulyan et al., 2006 ; Pomerantz et al., 2012 ; Sherwen et al., 2015a ; Lima et al., 2019 ; Sosnowski et al., 2022
<i>Sapajus libidinosus</i>	bearded capuchin monkey	Mendonca-Furtado et al., 2017⁺ ↓ ⁺ , 2014; Ferreira et al., 2018, 2020 ; Lima et al.,

		2019
<i>Sapajus nigritus</i>	black capuchin monkey	Mendonca-Furtado et al., 2017 [^] ; Moreira et al., 2016
Pitheciidae (New World monkeys)		
<i>Plecturocebus donacophilus</i>	Bolivian gray titi monkey	Lineros et al., 2020
Aotidae		
<i>Aotus azarae</i>	Azara's owl monkey	Corley et al., 2021
Atelidae (New World monkeys)		
<i>Alouatta palliata</i>	mantled howler monkey	Gómez-Espinosa et al., 2014; Dias et al., 2017, 2022; Aguilar-Cucurachi et al., 2010; Cristobal-Azkarate et al., 2007; Dunn et al., 2013; Aguilar-Melo et al., 2013; Santiago et al., 2019; Rangel-Negrín et al., 2023
<i>Alouatta pigra</i>	black howler monkey	Martínez-Mota et al., 2008 ⁺ , 2016, 2017, 2022, 2007; Rangel-Negrín et al., 2014 ^{a+} , b, 2018 ^a , 2018 ^b ; Van Belle et al., 2009 [^] ; Behie et al., 2010, 2014
<i>Alouatta seniculus</i>	red howler monkey	Rimbach et al., 2013 ^{a^} (S), b
<i>Alouatta caraya</i>	black and gold howler	Cantarelli et al., 2017 [↑] ; Fernandez et al., 2021; Vaglio et al., 2021
<i>Alouatta clamitans</i>	brown howler monkey	Buti et al., 2018 [↑] ; Chaves et al., 2019
<i>Alouatta belzebul</i>	red-handed howler	Monteiro et al., 2013
<i>Ateles geoffroyi</i>	Geoffroy's spider monkey	Rangel-Negrín et al., 2015; Rodrigues et al., 2015; Rodrigues, 2017; Ordonez-Gomez et al., 2016
<i>A. geoffroyi yucatanensis</i>	Yucatan G.'s spider m.	Rangel-Negrín et al., 2009
<i>Ateles hybridus</i>	brown spider monkey	Rimbach et al., 2013 ^{a+^} , b, 2014
<i>Brachyteles arachnoides</i>	southern muriqui	Strier et al., 1999; Lima et al., 2021
<i>Brachyteles hypoxanthus</i>	northern muriqui	Strier et al., 2003
<i>Lagothrix lagotricha poeppigii</i>	woolly monkey	Pain et al., 2021
<i>Pithecia pithecia</i>	white-faced saki	Fernandez-Lazaro et al., 2019
Cercopitheciidae (Old World monkeys)		
<i>Chlorocebus pygerythrus</i>	vervet monkey	Young et al., 2017 ^{↑+} , 2019, Young et al. 2020; Chipangura et al., 2020; Blersch et al., 2021; Greenberg et al., 2022 ^a ; L'Allier et al., 2022
<i>Cercopithecus mitis stuhlmanni</i>	blue monkey	Foerster et al., 2011, 2012; Thompson et al., 2020
<i>C. (mitis) albogularis</i>	Sykes' monkey	Foerster and Monfort, 2010 [↑] ; Foerster et al., 2015
<i>C. a. erythrarchus</i>	samango monkey	Scheun et al., 2020 ^{b↑+} ; LaBarge et al., 2022
<i>C. ascanius</i>	red-tailed monkey	Steiniche et al., 2023
<i>Cercocebus torquatus</i>	red-capped mangabey	Friant et al., 2016 ^a , b
<i>Lophocebus albigena</i>	gray-cheeked mangabey	Arlet et al., 2009; 2013, 2015; Arlet and Isbell, 2009
<i>Macaca arctoides</i>	stumptail macaque	Pineda-Galindo et al., 2017; Cerda-Molina et al., 2023
<i>Macaca assamensis</i>	Assamese macaque	Ostner et al., 2008 ^{a^} ; Fürtbauer et al., 2014; Schülke et al., 2014; Berghänel et al., 2016; Behringer et al., 2023; Anza et al., 2023
<i>Macaca cyclopis</i>	Formosan macaques	Chen et al., 2021 ^{^+}
<i>Macaca fascicularis</i>	long-tailed macaque	Bahr et al., 2000 ^{*^+} ; Heistermann et al., 2006 ^{↑^+} ; Girard-Buttoz et al., 2009; 2014 ^a , b; Cannon et al., 2016; Wasser et al., 2000 ⁺ ; Stavisky et al., 2001 [^] ; Paramastri et al., 2007 ⁺ ; Lee et al., 2010; Westlund et al., 2012, Bardi et al., 2017; Yin et al., 2020; Albanese et al., 2021
<i>Macaca fuscata</i>	Japanese macaque	Takeshita et al., 2018 [↑] , 2017; 2020; Hart and Takeshita, 2023; Broche et al., 2023; Barrett et al., 2002; Bardi et al., 2003; Bardi and Huffman, 2006; MacIntosh et al., 2012; Pflüger et al., 2014; 2016; Takeshita et al., 2014; Turner et al., 2023
<i>Macaca mulatta</i>	rhesus macaque	Hoffman et al., 2011; Brent et al., 2011; Higham et al., 2013, 2021; McFarland et al., 2013; Mandalaywala et al., 2014; Cannon et al., 2016; Peterson et al., 2021; Steinmetz et al., 2006; Bardi and Huffman, 2006; Doyle et al., 2008; Field et al., 2015; Millich et al., 2018 ⁺ ; Lee et al., 2010; Zhang et al., 2018; Liu et al., 2023; Jackson et al., 2023; Guo et al., 2023
<i>Macaca nigra</i>	crested macaque	Marty et al., 2017; Gholib et al., 2017 (S), 2018 (SE); Bertrand et al., 2023
<i>Macaca silenus</i>	lion-tailed macaque	Alba et al., 2023
<i>Macaca sylvanus</i>	barbary macaque	Heistermann et al., 2006 ^{↑^+} ; Shutt et al., 2007; Henkel et al., 2010; Marechal et al., 2011; 2016; Gustison et al., 2012; Young et al., 2014; Paschek et al., 2018; Müller-Klein et al., 2019 ^a , b; Tkaczynski et al., 2019; Behringer et al., 2021; Edwards et al., 2013 [^] ; Wallner et al., 1999 ^{a^} , b, 2006
<i>Macaca tonkeana</i>	Tonkean macaque	Cinque et al., 2017
<i>Papio anubis</i>	olive baboon	Higham et al., 2009; Ellis et al., 2011; Lodge et al., 2013; Kalbitzer and Heistermann, 2013 [^] (SE); Tkaczynski et al., 2014; MacLarnon et al., 2015; Patterson et al., 2021; Williams et al., 2022; Steiniche et al., 2023
<i>Papio cynocephalus</i>	yellow baboon	Wasser et al., 2000 ^{*↑^+} ; Khan et al., 2002 (SE); Altmann et al., 2004; Gesquiere et

		al., 2005, 2008, 2011a, b; 2018; Beehner et al., 2006; Nguyen et al., 2008; Onyango et al., 2008; Markham et al., 2015; Akinyi et al., 2017, 2019; Habig et al., 2019; Rosenbaum et al., 2020; Levy et al., 2020; Campos et al., 2021
<i>Papio ursinus</i>	<i>chacma baboon</i>	Beehner et al., 2005; Bergman et al., 2005; Engh et al., 2006a, b; Crockford et al., 2008; Wittig et al., 2008; Seyfarth et al., 2012; Cheney et al., 2015; Chowdhury et al., 2020, 2021; Habig et al., 2021; Steiniche et al., 2023; Weingrill et al., 2004 [^] ; Kalbitzer et al., 2015; Christensen et al., 2022a
<i>Papio papio</i>	Guinea baboon	Kalbitzer et al., 2015
<i>Papio spp.</i>	baboons	Lynch et al., 2003 (SE); Beehner and Whitten, 2004 (SE)
<i>Theropithecus gelada</i>	gelada	Beehner and McCann, 2008[↑] ; Pappano et al., 2010 (SE); Johnson et al., 2018 Carrera et al., 2020[↑]+
<i>Mandrillus sphinx</i>	mandrill	Setchell et al., 2008, 2010; Charpentier et al., 2018; Lavin et al., 2019^{^+} (S); Woodruff et al., 2023
<i>Colobus guereza</i>	Abyssinian black-and-white colobus	<i>Hodder and Chapman, 2012</i>
<i>Colobus vellerosus</i>	Geoffroy's black-and-white colobus	<i>King et al., 2023</i>
<i>Piliocolobus gordonorum</i>	Udzungwa red colobus	<i>Barelli et al., 2015; 2019</i>
<i>Piliocolobus rufomitratu</i>	Eastern red colobus	<i>Snaith et al., 2008; Hodder and Chapman 2012; Wasserman et al., 2012, 2013; Chapman et al. 2015</i>
<i>Piliocolobus tephrosceles</i>	Ugandan red colobus	<i>Chapman et al., 2006, 2007</i>
<i>Trachypithecus geei</i>	golden langur	Sarmah et al., 2017[↑]+
<i>Pygathrix nemaeus</i>	red-shanked douc	Heistermann et al., 2004[^]
<i>Rhinopithecus roxellana</i>	golden snub-nosed monkey	Chen et al., 2017; Zhang et al., 2013[^]; Huang et al., 2014; Yang et al., 2016a, b
Hylobatidae (gibbons)		
<i>Hylobates lar</i>	white-handed gibbon	<i>Gillespie et al., 2013; Vaglio et al., 2021</i>
<i>Hylobates pileatus</i>	pileated gibbon	Pirovino et al., 2011[↑]+
<i>Symphalangus syndactylus</i>	siamang	<i>Rafacz et al., 2012; Vaglio et al., 2021</i>
Hominidae (great apes)		
<i>Pongo spp.</i>	orangutan	Weingrill et al., 2011^{^+} ; Amrein et al., 2014; Marty et al., 2015; Nugraha et al., 2017 (SE); Mendonça et al., 2016; Takeshita et al., 2020; Kunz et al., 2021; Fink e al., 2022; Muehlenbein et al., 2012; Vaglio et al., 2021
<i>Gorilla beringei</i>	mountain gorilla	Nizeyi et al., 2011a^{^+} ; Eckardt et al., 2016, 2019; Grebe et al., 2023
<i>Gorilla gorilla gorilla</i>	lowland gorilla	Heistermann et al., 2006^{^+}; Shutt et al., 2012^{^+} (SE); 2014; Shutt-Phillips et al., 2021; Vlckova et al., 2018; Nizeyi et al., 2011a[↑]+, b (S); Jacobs et al., 2014; Clark et al., 2012[^]; Fuller et al., 2018; Fuller and Allard, 2019; Bastian et al., 2020[^]; O'Malley et al., 2021; Fowler et al., 2022; Gartland et al., 2023; Peel et al., 2005; Williams et al., 2022
<i>Pan troglodytes</i>	chimpanzee	Bahr et al., 2000 ^{^+} ; Whitten et al., 1998b[^]; Heistermann et al., 2006[↑]+ ; Reimers et al., 2007; Santymire et al., 2012[↑]; Murray et al., 2013[↑] ; 2018; Markham et al., 2014; McLennan et al., 2019 (S); Pizzutto et al., 2015b; Machatschke et al., 2006; Muehlenbein, 2006; Kutsukake et al., 2009; Muehlenbein and Watts, 2010; Yamanashi et al., 2013; Hall et al., 2021; Williams et al., 2022; Whitham et al., 2023 Steiniche et al., 2023
<i>P. t. schweinfurthii</i>	eastern chimpanzee	Stanton et al., 2015; <i>Seraphin et al., 2008+</i>
<i>Pan paniscus</i>	bonobo	<i>Williams et al., 2022; Hickmott et al., 2022</i>

Table S3a: Published papers dealing with FCMs in different species (grouped by “Family”) of the clade “Glires” (consisting of lagomorphs and rodents; see general information on page II for further details)

Family/Latin name	common name	articles (ordered by year; validations first)
Lagomorpha		
<i>Lepus americanus</i>	snowshoe hare	Sheriff et al., 2009a* ↑↓, b, 2010a ↑↓, b, 2011b; Lafferty et al., 2017, 2019 ; Lavergne et al., 2019, 2020, 2021 ; Boudreau et al., 2019
<i>Lepus europaeus</i>	European hare	Teskey-Gerstl et al., 2000* ^; Janicki et al., 2006; Cybulska et al., 2020
<i>Lepus timidus</i>	mountain hare	Rehnus et al., 2009 ↑+ (S), 2010, 2014; Rehnus and Palme, 2017, 2021
<i>Oryctolagus cuniculus</i>	European rabbit	Monclus et al., 2006 ↑, 2009; Buijs et al., 2011; Andrist et al., 2012; Goldschlager et al., 2013; Pérez-Merino et al., 2014; Cabezas et al., 2007 ; de Lima et al., 2013 ; Prola et al., 2013 ; Szendrö et al., 2013 ; Trocino et al., 2014, 2018 ; Dalmau et al., 2015 ; Sabés-Alsina et al., 2015 ; Cornale et al., 2016 ; Matics et al., 2018, 2019 ; Peveler and Hickman, 2018 ; Coda et al., 2020 ; Benedek et al., 2021 ; Syafruddin et al., 2023 ; Rooney et al., 2023
<i>Brachylagus idahoensis</i>	pygmy rabbit	Scarlata et al., 2011 ^, 2012, 2013
<i>Romerolagus diazi</i>	volcano rabbit	Rizo-Aguilar et al., 2014
<i>Ochotona princeps</i>	American pika	Wilkening et al., 2013 , 2015, 2016; Wilkening and Ray, 2015 (S), 2016; Whipple et al., 2021, 2022
<i>Ochotona curzoniae</i>	plateau pika	Zhou et al., 2023 ; Qu et al., 2023
Rodentia (rodents)		
Muridae		
<i>Acomys cahirinus</i>	Cairo spiny mice	Novakova et al., 2008 ↑+, Frankova et al., 2012+; Gutman et al., 2011 ; Frynta et al., 2009+; Warburton et al., 2020; 2021+ ; Cohen et al., 2023
<i>Acomys russatus</i>	golden spiny mice	Gutman et al., 2011
<i>Acomys spinosissimus</i>	S. African spiny mice	de Bruin et al., 2014
<i>Gerbillus sp.</i>	gerbils	St Juliana et al., 2014 ↑, 2017; 2019a ↑, b; Navarro-Castilla et al., 2021 ↑ Cohen et al., 2023
<i>Meriones sp.</i>	gerbils	St Juliana et al., 2014
<i>Meriones mefidianus pall.</i>	Midday gerbil	Kuznetsov et al., 2004
<i>Meriones tamariscinus</i>	Tamarisk Jird	Moshkin et al., 2001
<i>Meriones unguiculatus</i>	Mongolian gerbil	Scheibler et al., 2004 ; Waiblinger & König, 2004 ; Yamaguchi et al., 2005 ; Shimozuru et al., 2006, 2008 ;
<i>Rhombomys opimus</i>	great gerbil	Rogovin et al., 2003, 2008
<i>Rattus norvegicus</i>	brown rat	Albert et al., 2008; Fardell et al., 2021
<i>Rattus n. f. domesticus</i>	laboratory rat	Lepschy et al., 2007* ↑↓^; others see Table S4b
<i>Rattus rattus</i>	black rat	Vobrubova et al., 2021 ↑; Fardell et al., 2021
<i>Micaelamys namaquensis</i>	Namaqua rock mice	Ramahlo et al., 2019
<i>Rhodomys sp.</i>	stripped mouse	Jones et al., 2011
<i>Mus spicilegus</i>	mound-building mouse	Rangassamy et al., 2016 ↑
<i>Mus spretus</i>	Algerian mouse	Navarro-Castilla et al., 2017
<i>Mus musculus</i>	wild mouse	Daniszoova et al., 2017 ↑; Hiadlovská et al., 2015 ; Gale et al., 2018, 2019 ; Harper and Austad, 2000 , Harper et al., 2006 ; Miller et al., 2000 ; Mancera et al., 2017, 2018
<i>Mus m. f. domesticus</i>	laboratory mouse	Touma et al., 2003* ^+, 2004a ↑↓; others see Table S4b
<i>Apodemus sylvaticus</i>	wood mouse	Navarro-Castilla et al., 2018 ↑, 2019 ; Sanchez-Gonzalez et al., 2018a, b ; Hernández et al., 2018, 2019, 2020 ; Navarro-Castilla et al., 2014b ; Navarro-Castilla and Barja, 2014, 2019 ; Monarca et al., 2015 ; Devalloir et al., 2023
<i>Apodemus agrarius</i>	striped field mouse	Wang et al., 2011 ; Lopucki et al., 2018; 2019
<i>Melomys cervinipes</i>	fawn-footed mosaic-tailed rat	Rowell et al., 2022
Cricetidae		
<i>Arvicola amphibius</i>	water vole	Gelling et al., 2012
<i>Arvicola scherman</i>	fossorial water vole	Charbonnel et al., 2008+
<i>Microtus agrestis</i>	vole	Lilley et al., 2010 ; Helle et al., 2013
<i>Microtus arvalis</i>	common vole	Liesenjohann et al., 2013 ; Gracceva et al., 2014 ; Navarro-Castilla et al., 2014a ; Lopucki et al., 2018
<i>Microtus ochrogaster</i>	prairie vole	Blondel et al., 2016
<i>Microtus oeconomus</i>	root vole	Bian et al., 2015 ; Du et al., 2016 ; Yang et al., 2018 ; Shang et al., 2019, 2020, 2022
<i>Microtus pennsylvanicus</i>	meadow voles	Edwards et al., 2019* ↑↓, 2023 ; Anacker et al., 2016
<i>Ellobius talpinus Pall.</i>	mole voles	Novikov et al., 2015
<i>Lemmus trimucronatus</i>	Arctic (brown) lemming	Fauteux et al., 2017 ^, 2018
<i>Myodes (Clethrionomys)</i>	bank vole	Zavyalov et al., 2003 ↑; Rogovin and Naidenko, 2010 ↑; Sipari et al., 2017*↑^,

<i>glareolus</i>		2016a, b; Hoffmann et al., 2018; Sievert et al., 2019; Mazza et al., 2019; Lipowska et al., 2022; Ylönen et al., 2006; Tidhar et al., 2007; Eccard et al., 2011; Kravchenko et al., 2016; Acsai et al., 2021
<i>Myodes gapperi</i>	red-backed vole	Harper and Austad, 2000, 2001, 2004
<i>Cricetus cricetus</i>	common hamster	Franceschini et al., 2007; Siutz and Millesi, 2012
<i>Mesocricetus auratus</i>	Syrian hamster	Chelini et al., 2010↑, 2011, 2006; Ohrnberger et al., 2018; Krause and Schüler, 2010; Kuo et al., 2011; Ross et al., 2017
<i>Tscherskia triton</i>	long-tailed hamster	Wang et al., 2009
<i>Scotinomys teguina</i>	singing mouse	Crino et al., 2010↑
<i>Peromyscus californicus</i>	California mouse	Harris et al., 2012*^; Bardi et al., 2011
<i>Peromyscus leucopus</i>	white-footed mouse	Brown and Fuller, 2006; Pedersen and Greives, 2008; Stewart et al., 2020
<i>Peromyscus maniculatus</i>	deer mouse	Harper and Austad, 2000, 2001, 2004; Hayssen et al., 2002; Eleftheriou et al., 2020↑↓+, 2021, 2022; Eleftheriou and Luis, 2021; Pedersen and Greives, 2008; Fredebaugh-Siller et al., 2013; Veitch et al., 2020
<i>Peromyscus polionotus</i>	oldfield mouse	Good et al., 2003, 2005
<i>Oligoryzomys longicaudatus</i>	long-tailed pygmy rice rat	Hernández et al., 2021
Sciuridae (squirrels)		
<i>Sciurus carolinensis</i>	Eastern grey squirrel	Bosson et al., 2013*↑^+; Stothart et al., 2019; Santicchia et al., 2020; Romeo et al., 2020
<i>Sciurus vulgaris</i>	Eurasian red squirrel	Dantzer et al., 2016; Haigh et al., 2017; Santicchia et al., 2018, 2022a, b; Tranquillo et al., 2022; Shimamoto et al., 2020
<i>Sciurus aberti</i>	Abert's squirrel	Zhang and Buck, 2022; Zhang et al., 2022a
<i>Tamiasciurus hudsonicus</i>	N. American red squirrel	Dantzer et al., 2010*↑^, 2011, 2013; Stothart et al., 2016; Van Kesteren et al., 2019
<i>Tamias alpinus</i>	alpine chipmunk	Guindre-Parker et al., 2019; Westrick et al., 2019; Petrullo et al., 2022a, b
<i>Tamias speciosus</i>	lodgepole chipmunk	Hammond et al., 2015↑, 2018a, b, 2019a
<i>Tamias striatus</i>	Eastern chipmunk	Hammond et al., 2015↑, 2018a, b, 2019a
<i>Marmota flaviventris</i>	yellow-bellied marmot	Montiglio et al., 2012a*↑^+, b, 2015; Lyons et al., 2017; Ouellette et al., 2023
<i>Spermophilus beldingi</i>	Belding's ground squirrel	Smith et al., 2012↑; Blumstein et al., 2006, 2016; Monclus et al., 2011; Blumstein and Chi, 2012; Wey et al., 2015; Chmura et al., 2016; Mady and Blumstein, 2017; Petelle et al., 2017; Pinho et al., 2019; Uchida et al., 2022; Price et al., 2018
<i>Spermophilus citellus</i>	European ground squirrel	Mateo and Cavigelli, 2005↑↓ (E); Mateo, 2006, 2007, 2008; Brooks and Mateo, 2013; Dosmann et al., 2015
<i>S. columbianus</i>	Columbian ground squirrel	Strauss et al., 2007; Brenner et al., 2017; Kachamakova et al., 2021; Aschauer et al., 2006
<i>Otospermophilus beecheyi</i>	California ground squirrel	Bosson et al., 2009*↑↓^+; Sosa et al., 2020; Roth et al., 2022; Tamian et al., 2023
<i>Cynomys ludovicianus</i>	black-tailed prairie dog	Hammond et al., 2019b↑^+; Holding et al., 2020
<i>Urocitellus parryii</i>	arctic ground squirrel	Hernandez et al., 2023; Pauli and Buskirk, 2007; Crill et al., 2019
<i>Urocitellus richardsonii</i>	Richardson's ground squirrel	Sheriff et al., 2012↑↓+, 2017; Edwards et al., 2016; Zhang et al., 2020
		Hare et al., 2014↑; Ryan et al., 2012, 2014; Clary et al., 2014; Freeman et al., 2019
Other rodents		
<i>Cavia aperea f. porcellus</i>	guinea pig	Bauer et al., 2008↑; Keckeis et al., 2012*^; Schöpfer et al., 2011, 2012; Powell et al., 2020↑, Fenske, 1999; Walters et al., 2012; Nemeth et al., 2016; McCready et al., 2022
<i>Cuniculus paca</i>	paca	Altino et al., 2023↑; Nogueira et al., 2021;
<i>Chinchilla lanigera</i>	chinchilla	Ponzio et al., 2004↑*^
<i>Ctenomys sociabilis</i>	tuco-tuco	Woodruff et al., 2010↑, 2013
<i>Ctenomys opimus</i>	highland tuco-tuco	O'Brien et al., 2022↑+
<i>Dipodomys spectabilis</i>	banner-tailed kangaroo rat	Morales et al., 2021
<i>Octodon degus</i>	degus	Soto-Gamboa et al., 2009↑; Ebensperger et al., 2011, 2013, 2015, 2021; Quirici et al., 2011
<i>Fukomys damarensis</i>	Damaraland mole-rat	Medger et al., 2018↑
<i>Heterocephalus glaber</i>	naked mole-rat	Edwards et al., 2020*↑^+; Majelantle et al., 2023↑+
<i>Cryptomys hottentotus mahali</i>	Mahali mole-rat	Hart et al., 2022↑+
<i>Glis glis</i>	edible dormouse	Cornalis et al., 2018+

Table S3b: Published papers dealing with FCMs in laboratory **rats** and **mice**

Reviews	
Rowland and Toth, 2019	
Rattus norvegicus f. domesticus	laboratory rat
<p>Bamberg et al., 2001*$\uparrow\downarrow^{\wedge+}$; Lepschy et al., 2007*$\uparrow\downarrow^{\wedge}$, 2010$\uparrow\downarrow$; Abelson et al., 2009*; Bardi et al., 2010, 2012; Rima et al., 2009; Hawley, et al., 2010; Christiansen et al., 2012; Henningsen et al., 2012; Amugongo and Hlusko, 2014; Lambert et al., 2014; Hoheisl et al., 2015; Kent et al., 2017, 2022; Möller et al., 2018; Di Liberto et al., 2018; Cinque et al., 2018; Seiffert et al., 2019; Koska et al., 2019; Crawford et al., 2019; Scarola et al., 2019, 2020; Sullivan et al., 2019; Ziegłowski et al., 2020, 2021; Kroll et al., 2021; Vogt et al., 2021; Russo et al., 2021; Aulehner et al., 2022; Bach-Hagemann et al., 2022; Jost et al., 2022; Mallien et al., 2022b; Kümmecke et al., 2022; Alonso et al., 2023; Quante et al., 2023; Mieske et al., 2023; Becker et al., 2023; <i>Pihl and Hau, 2003</i>; Eriksson et al., 2004; Knox et al., 2004; Royo et al., 2004; Cavigelli et al., 2005[^] (LC-MS), 2006, Boggiano et al., 2008; Burman et al., 2008; Leasure and Jones, 2008; Siswanto et al., 2008; Dahlin et al., 2009; Garcia-Diaz et al., 2009; Thanos et al., 2009; Cloutier and Newberry, 2010; Kalliokoski et al., 2010a; Kemppinen et al., 2010; Rosa et al., 2010, 2011, 2012; Cannon et al., 2011; Paternain et al., 2011, 2013; Horn et al., 2012; Rosenfeld and Weller, 2012; Turner et al., 2012, 2014; Cloutier et al., 2013, 2014; Benite-Ribeiro et al., 2014; Caruso et al., 2014; Szkudlarek et al., 2014; Chaby et al., 2015; Cox and Hager, 2016; Hüske et al., 2016; Maynard et al., 2016; Wilson et al., 2016; Barker et al., 2017; Hestehave et al., 2017, 2020; Lundberg et al., 2017; Laaksonen et al., 2017; Green et al., 2018; Harikrishnan et al., 2018; Kasanen et al., 2018; LaFollette et al., 2018; Sardi et al., 2018; Thiele et al., 2020; Stone et al., 2020; Josefson and Skibieli, 2021; Natale et al., 2021; Lansdell and Dorrance, 2022; Bigelow et al., 2022a,b; Zernig et al., 2022; Guo et al., 2022; Jacob et al., 2022; Johnson et al., 2022; Frankowska et al., 2023; Gifford et al., 2023; Bear et al., 2023; Perez et al., 2023</p>	
Mus musculus f. domesticus	laboratory mouse
<p>Touma et al., 2003*$\wedge+$, 2004a$\uparrow\downarrow$, b, 2008, 2009, *Kalliokoski et al., 2010b, 2012a\uparrow, 2013, 2015; Ambree et al., 2006; Dallmann et al., 2006; Voigtländer et al., 2006; Ibarguen-Vargas et al., 2008, 2021; Richter et al., 2008; Blottner et al., 2009; Godfrey and Silverman, 2009+; Nicholson et al., 2009; Adamson et al., 2010; Fuss et al., 2010; Jansen et al., 2010, 2011; Jensen et al., 2010; Akre et al., 2011; Edgar et al., 2011; Heiming et al., 2011; Kloke et al., 2011; Surget et al., 2011; Coudereau et al., 2012; Gurfein et al., 2012, 2014, 2017; Kolbe et al., 2012, 2015, 2016, 2022; Philbert et al., 2012; Walker et al., 2012; Buschert et al., 2013; Ellman et al., 2013; Voigt et al., 2013; Walker et al., 2013, 2016; Azzinari et al., 2014; Heinzmann et al., 2014; Krohn et al., 2014; Atanasov et al., 2015; Bodden et al., 2015, 2018, 2021; Gutknecht et al., 2015; Pfeiffenberger et al., 2015; Garratt et al., 2016; Mallien et al., 2016, 2020, 2022a; Novak et al., 2016; Soto et al., 2016; Daniszova et al., 2017\uparrow; Hohlbaum et al., 2017, 2018a, b, 2020a, b, 2022; Bailoo et al., 2018a, b, 2020; Weidt et al., 2018; Kästner et al., 2018; Razzoli et al., 2018; Varholick et al., 2018, 2019; Resch et al., 2018; Melotti et al., 2019; Mertens et al., 2019, 2020; Weidner et al., 2019; Candemir et al., 2019; Rumpel et al., 2019; Jirkof et al., 2019, 2020; von Hövel et al., 2019; Abdelrahman et al., 2019; Feige-Diller et al., 2020, 2021; Kumstel et al., 2020a-c; Baier et al., 2020, 2023; Harrison et al., 2020; Vogt et al., 2020; Krakenberg et al., 2020, 2021; Ernst et al., 2020; Meyer et al., 2020; Jeuthe et al., 2020; Sensini et al., 2020; von Kortzfleisch et al., 2020, 2022; Tang et al., 2020; Boldt et al., 2021; Durst et al., 2021a,b; Xie et al., 2021a, b, 2022; Buchecker et al., 2022; Reiber et al., 2022a-c; Girbig et al., 2022; Stieger et al., 2022; Barabas et al., 2022; Zechner et al., 2022; Müller et al., 2022; Segelcke et al., 2023; Smith-Osborne et al., 2023; Devoght et al., 2023; Wittek et al., 2023; Harper and Austad, 2000; Harper et al., 2003; Davidson et al., 2006; Hunt and Humbly, 2006; Caruso et al., 2017; Caulfield et al., 2017; 2021a, b; Abraham et al., 2006; Wright-Williams et al., 2007, 2013; O'Malley et al., 2008; Pilorz et al., 2009; Rosenbaum et al., 2009; Kiessling et al., 2010; Oliva et al., 2010; Sundbom et al., 2011; Bundgaard et al., 2012; Horn et al., 2012; Jacobsen et al., 2012, 2013a, b; Rakowski-Anderson et al., 2012; Teilmann et al., 2012, 2014; Ohland et al., 2013; Steele et al., 2013; Davis et al., 2014; Leliavski et al., 2014; Van den Beukel et al., 2014; Melo et al., 2014; Acklin and Gault, 2015; Clipperton-Allen et al., 2015; Spulber et al., 2015; Schroeder et al., 2015; Toth et al., 2015; Yap et al., 2015; Abelson et al., 2016$\uparrow+$; Koch et al., 2016; Svensson et al., 2016; Gjendal et al., 2017, 2019; Daniszova et al., 2017; Brochu et al., 2018; Choudhary et al., 2018; Harikrishnan et al., 2018; Nørgaard et al., 2018; St-Cyr et al., 2018; Kamimura et al., 2019; Falkenberg et al., 2019; Resasco et al., 2019, 2021; Terenina et al., 2019; Gjendal et al., 2020a, b; Shaw et al., 2020; Singh et al., 2020; Wu et al., 2020; Burn et al., 2021; Josefson and Skibieli, 2021; Butcher et al., 2022; Zernig et al., 2022; Ahrens Kress et al., 2022; Li et al., 2022a; Lindhardt et al., 2022; Munoz and Franklin, 2022; Gellner et al., 2022; Rapp et al., 2022; Teeple et al., 2023; Syding et al., 2023; Ortega-Saez et al., 2023; Cho et al., 2023; Marin et al., 2023</p>	

Table S4: Published papers dealing with FCMs in different species (grouped by “Family”) of the order “Artiodactyla” (see general information on page II for further details)

Family/Latin name	common name	articles (ordered by year; validations first)
Camelidae (camels)		
<i>Camelus dromedarius</i>	dromedary	Sid-Ahmed et al., 2013b ↑^
<i>Lama glama</i>	llama	Arias et al., 2013 ↑
<i>Lama guanicoe</i>	guanaco	<i>Ovejero Aguilar et al., 2016; Gregorio et al., 2019</i>
<i>Vicugna pacos</i>	alpaca	Arias et al., 2013 ↑ (S); <i>Wittek et al., 2017</i>
<i>Vicugna vicugna</i>	vicuña	Arias et al., 2013; Pritchard et al., 2020
Suidae (pigs)		
<i>Sus scrofa f. domestica</i>	domestic pig	<i>Palme et al., 1996*</i> ; <i>Möstl et al., 1999*</i> ↑↓^+ (S); Wolf et al., 2020 ↑+; <i>Royo et al., 2005; Cornale et al., 2015; Wesoly et al., 2015; Carlsson et al., 2007; Khonmee et al., 2018; Jiang et al., 2019; Mohan et al., 2020; Kinane et al., 2021; Novotni-Danko et al., 2021</i>
<i>Sus scrofa</i>	wild boar	<i>Liu et al., 2022</i>
Tayassuidae		
<i>Pecari tajacu</i>	collared peccary	Coradello et al., 2012 ↑; <i>Nogueira et al., 2011; Semper-Pascual et al., 2019; Oliveira et al., 2016</i>
Cetacea (whales; infraorder)		
Review		<i>Hunt et al., 2013 (large whales), 2015 (North Atlantic right whale); Lauderdale et al., 2021 (welfare in zoos and aquariums)</i>
<i>Eubalaena glacialis</i>	N. Atlantic right whale	<i>Hunt et al., 2006</i> ^; <i>Rolland et al., 2012, 2017; Corkeron et al., 2017</i>
<i>Eubalaena australis</i>	Southern right whale	<i>D’Agostino et al., 2022</i>
<i>Balaenoptera musculus</i>	N. Pacific blue whale	<i>Valenzuela-Molina et al., 2018</i> ^
<i>Megaptera novaeangliae</i>	humpback whale	<i>Hunt et al., 2019</i>
<i>Eschrichtius robustus</i>	N. Pacific gray whale	<i>Lemos et al., 2020, 2022a, b</i>
<i>Orcinus orca</i>	killer whale	<i>Ayres et al., 2012; Wasser et al., 2017; Steinman et al., 2020</i> ^; <i>Steinman and Robeck, 2021</i>
<i>Delphinapterus leucas</i>	beluga whale	<i>Miller et al., 2021a</i>
<i>Tursiops aduncus</i>	Indo-pacific bottlenose dolphin	<i>Miller et al., 2021a</i>
<i>Tursiops truncatus</i>	bottlenose dolphin	Champagne et al., 2018, 2017; Houser et al., 2017, 2021; Biancani et al., 2017; Mercera et al., 2021; Serres et al., 2020; Miller et al., 2021a, b
<i>Lagenorhynchus obliquidens</i>	Pacific white-sided dolphin	<i>Miller et al., 2021a</i>
<i>Neophocaena asiaorientalis</i>	Yangtze finless porpoises	<i>Serres et al., 2020</i>
Hippopotamidae		
<i>Choeropsis liberiensis</i>	pygmy hippopotamus	Flacke et al., 2023 ↑+
Antilocapridae		
<i>Antilocapra americana</i>	N. American pronghorn	<i>Beckmann et al., 2016; Bleke et al., 2021</i> (S)
Giraffidae		
<i>Giraffa camelopardalis</i>	giraffe	Bashaw et al., 2016 ↑+; <i>Wolf et al., 2018a, b; Marealle et al., 2020; Scheijen et al., 2021a, b; Jain et al., 2021; Fink et al., 2021; Razal et al., 2017; Chinnadurai et al., 2009; Saito et al., 2023</i>
Cervidae (deer)		
<i>Dama dama L.</i>	fallow deer	Konjević et al., 2011 ↑, 2016; <i>Pecorella et al., 2016; Marliani et al., 2023</i>
<i>Dama dama m.</i>	Persian fallow deer	<i>Zidon et al., 2009</i>
<i>Cervus canadensis</i>	elk or wapiti	<i>Creel et al., 2002; Millsaugh et al., 2001; 2003</i> (S); <i>Jachowski et al., 2015a; Lehman et al., 2019; Ensminger et al., 2020; Pero et al., 2022; Creel et al., 2009; Forristal et al., 2012</i>
<i>Cervus c. roosevelti</i>	Roosevelt elk	Wasser et al., 2000
<i>Cervus elaphus</i>	red deer	Huber et al., 2003a ↑^+, b; Zbyryt et al., 2018 ↑^+; <i>Corlatti et al., 2011; Santos et al., 2014, 2018; Pavitt et al., 2015, 2016; Vilela et al., 2020; Anderwald et al., 2021; Donini et al., 2022</i> (S); <i>Sauerwein et al., 2004; Dixon et al., 2021; Marliani et al., 2023</i>
<i>Cervus e. hispanicus</i>	Iberian red deer	<i>Azorit et al., 2012; Carranza et al., 2020, De la Pena et al., 2020a, b, 2021; Pérez et al., 2020</i> (S)
<i>Elaphurus davidianus</i>	Père David’s deer	<i>Li et al., 2007</i>
<i>Rangifer t. tarandus</i>	reindeer	Gülzari et al., 2019 ↑, <i>Rehbinder and Hau, 2006; Ashley et al., 2011↑; <i>Yin et al., 2015; Carlsson et al., 2016</i></i>
<i>Rangifer t. granti</i>	caribou	Ashley et al., 2011 ↑; <i>Wasser et al., 2011; Joly et al., 2015;</i>

<i>Rangifer t. groenlandicus</i>	barren-ground caribou	Smith et al., 2023
<i>Odocoileus virginianus</i>	white-tailed deer	Millspaugh et al., 2002 ↑ (S); 2003 (SE); Washburn and Millspaugh, 2002 (S); Millspaugh and Washburn, 2003 (E); Taillon and Cote, 2008; Moll et al., 2009; McCoy and Ditchkoff, 2012; Jachowski et al., 2015b; Parikh et al., 2018 ; Vega et al., 2020 Le Saout et al., 2016 ; Jachowski et al., 2018 ; Atwood et al., 2020 ; Ortega et al., 2020
<i>Odocoileus hemionus</i>	black-tailed (mule) deer	
<i>Mazama gouazoubira</i>	brown brocket deer	Christofoletti et al., 2010 ↑; Zanetti et al., 2014
<i>Blastocerus dichotomus</i>	marsh deer	Christofoletti et al., 2010
<i>Ozotoceros bezoarticus</i>	pampas deer	Munerato et al., 2015+; Pereira et al., 2006
<i>Capreolus capreolus</i>	roe deer	Dehnhard et al., 2001 ↑↓^+; Escribano-Avila et al., 2013 ↑; Zbyryt et al., 2018^+ Iglesias-Merchan et al., 2018; Horcajada-Sanchez et al., 2019 ; Carbillet et al., 2020, 2022, 2023a,b ; Lemaitrei et al., 2020 ; Lalande et al., 2023 ; Klich et al., 2020
<i>Alces alces</i>	moose/Euroasian elk	Wasser et al., 2011 ; Jesmer et al., 2017 ; Thompson et al., 2020a, b ; Rosenblatt et al., 2021
Moschidae		
<i>Moschus berezovskii</i>	Musk deer	He et al., 2014 ; Wang et al., 2016 ; Fan et al., 2018 ; Yang et al., 2020 ; Wang et al., 2020 (E); Li et al., 2021, 2022b
<i>Moschus chrysogaster</i>	Himalayan musk deer	Srivastava et al., 2021 ; Lv et al., 2023
Bovidae		
<i>Bos taurus</i>	cattle	Palme et al., 1999 ↑↓, 2000 ; Morrow et al., 2001 ↑, 2002 ↑+ (S); Möstl et al., 2002 *^+; Hopster et al., 2002; Fisher et al., 2003; Mülleder et al., 2003; Weiss et al., 2004, 2005; Kahrer et al., 2006; Pesenhofer et al., 2006; Kofler et al., 2007; Tucker et al., 2007a, b; Gonzalez et al., 2008a, b, 2009; Saco et al., 2008; Webster et al., 2008; Belo et al., 2009; Lexer et al., 2009; Alvarez-Rodriguez et al., 2010; Arioli et al., 2010; Montanholi et al., 2010, 2013; Rouha-Mülleder et al., 2010; Faleiro et al., 2011; Huzzey et al., 2011, 2012a, b, 2015; 2023 ; Castro et al., 2012; Krawczel et al., 2012; Wagner et al., 2012; Bertulat et al., 2013; Horak and Möstl, 2013+ (S); Moya et al., 2013; De Clercq et al., 2014 (LC-MS; SE); Madella-Oliveira et al., 2014; El-Bahr and Albokhadaim, 2015+ (S); Lürzel et al., 2015; Little et al., 2015 ; Dörfler et al., 2016; Foote et al., 2016; Janßen et al., 2016; Rees et al., 2016; White et al., 2016; Veissier et al., 2018; Spore et al., 2018; Ivemeyer et al., 2018; Dzviti et al., 2019 ; Fujiwara et al., 2019 ; Campbell et al., 2019 ; Mazer et al., 2020 ; Heinrich et al., 2020 ; Ebinghaus et al., 2020 ; del Campo et al., 2021 ; Diel et al., 2022 ; Schmeling et al., 2022 ; Hamidi et al., 2022 ; Vogt et al., 2023 ; Wieland et al., 2023 ; Erasmus et al., 2023 ; Cranston et al., 2023 ; Schütz et al., 2013 ; Cucuzza et al., 2014 ; Kovacs et al., 2015 ; Tallo-Parra et al., 2015 ; Hernández-Cruz et al., 2016 ; Jurkovich et al., 2017 ; Brunel et al., 2018 ; Khonmee et al., 2020 ; von Kuhlberg et al., 2021 ; Parham et al., 2021, 2022 ; Sonne et al., 2022
<i>Bos javanicus</i>	banteng	Kozlowski et al., 2022↑; Edes et al., 2022
<i>Bison bison</i>	bison	Metrione et al., 2020 ; Mooring et al., 2006^; Ranglack et al., 2017
<i>Bison bonasus</i>	European bison	Klich et al., 2021 ; Ramos et al., 2022
<i>Syncerus caffer</i>	African buffalo	Ganswindt et al., 2012b ↑+ (S); Spaan et al., 2017 ↑+
<i>Tragelaphus buxtoni</i>	nyala	Chinnadurai et al., 2009
<i>Tragelaphus strepsiceros</i>	kudu	Chinnadurai et al., 2009 ; Hariohay et al., 2023
<i>Aepyceros melampus</i>	impala	Chizzola et al., 2018↑; Lunde et al., 2016; Hunninck et al., 2020a-c; Hariohay et al., 2023; Chinnadurai et al., 2009
<i>Antilope cervicapra</i>	Indian blackbuck	Rajagopal et al., 2011 ; Ahmad et al., 2022
<i>Antidorcas marsupialis</i>	springbok	Cizauskas et al., 2015+
<i>Litocranius walleri</i>	gerenuk	Wasser et al., 2000
<i>Nanger granti</i>	Grant's gazelle	Ezenwa et al., 2012↑
<i>Procapra przewalskii</i>	Przewalski's gazelle	Liu et al., 2020
<i>Hippotragus equinus</i>	roan antelope	Kamgang et al., 2022↑+
<i>Capra aegagrus hircus</i>	domestic goat	Kleinsasser et al., 2010 ↑+; Nordmann et al, 2011, 2015; Patt et al., 2012, 2013a, b; Szabo et al., 2013; Schilling et al., 2015; Baxter et al., 2016; Toinon et al., 2023 Brivio et al., 2015 ; Kastelic et al., 2023
<i>Capra ibex</i>	Alpine ibex	Molina-García et al., 2018 ; Pérez et al., 2019
<i>Capra pyrenaica</i>	Iberian ibex	
<i>Ovibos moschatus</i>	muskoxen	Di Francesco et al., 2021↑+
<i>Budorcas taxicolor tibetana</i>	Sichuan takin	Santymire et al., 2021
<i>Pantholops hodgsonii</i>	Tibetan antelope	Shi et al., 2021
<i>Oreamnos americanus</i>	Rocky Mountain goat	Dulude-de Broin et al., 2019↑^, 2020
<i>Ovis ammon f. aries</i>	domestic sheep	Lindner, 1972*; Palme et al., 1996*; Palme and Möstl, 1997*^+; Palme et al., 1999↑↓; Möstl et al., 2002*^+; Rossi et al., 2007; Ates et al., 2008; Lexen et al., 2008+ (S); Sid-Ahmed et al., 2013a↑^; Schilling et al., 2015; Stubbsjøen et al., 2015, 2018; Salaberger et al. 2016; O'Neill et al., 2020; Weaver et al., 2021; Wagner et al.,

		2021 ; Dalmau et al., 2014 ; Lv et al., 2015 ; Messori et al., 2015 ; Narayan et al., 2018a ; Zhang et al., 2018 ; Combs et al., 2018, 2019 ; Scherpenhuizen et al., 2020 (S) ; Navarro et al., 2020 ; Szeligowska et al., 2022 ; Mayes et al., 2023 ; Farahmandian et al., 2023
<i>Ovis c. canadensis</i>	Rocky Mountain bighorn sheep	Miller et al., 1991a ↑, b; Goldstein et al., 2005 ; Coburn et al., 2010
<i>Pseudois nayaur</i>	blue sheep (bharal)	Iyer et al., 2022
<i>Rupicapra pyrenaica</i>	Pyrenean chamois	Dalmau et al., 2007 ; Fattorini et al., 2018a, b
<i>Rupicapra rupicapra</i>	Alpine chamois	Hoby et al., 2006 ; Hadinger et al., 2015^ (S) ; Anderwald et al., 2021 ; Corlatti et al., 2012, 2014, 2019; 2023 ; Corlatti, 2018 ; Formenti et al., 2018 ; Donini et al., 2022 (S)
<i>Rupicapra r. tatraica</i>	chamois	Zwijacz-Kozica et al., 2013
<i>Naemorhedus griseus</i>	goral	Khonmee et al., 2014a+, b
<i>Naemorhedus goral</i>	Himalayan goral	Srivastava et al., 2021
<i>Connochaetes taurinus</i>	(blue) wildebeest	Wolf et al., 2021 ↑ (S); Chizzola et al., 2018 ; Stabach et al., 2015 ; Chinnadurai et al., 2009
<i>Alcelaphus buselaphus</i>	Jackson's hartebeest	Spratt et al., 2019
<i>Hippotragus niger</i>	sable antelope	Loeding et al., 2011
<i>Oryx dammah</i>	scimitar-horned oryx	Wasser et al., 2000 ; Stabach et al., 2020 ; Pauling et al., 2017

Table S5: Published papers dealing with FCMs in different species (grouped by “Family”) of the order “Perissodactyla” (Equidae and Rhinocerotidae) and the “Afrotheria” (Proboscidae, Sirenia and Macroscelidae; (see general information on page II for further details)

Family/Latin name	common name	articles (ordered by year; validations first)
Equidae		
<i>Equus (ferus) caballus</i>	domestic horse	Palme et al., 1996*; Möstl et al., 1999* ↑↓↕↗, Merl et al., 2000; Flauger et al., 2010 ↑↓↕↗ (S); Berghold et al., 2007; Gorgasser et al., 2007; Hoffmann et al., 2009, 2012; Jakubowska et al., 2010; Schmidt et al., 2010a-c; Christensen et al., 2012, 2018, 2022b; Malmkvist et al., 2012b; Fejsakova et al., 2013; Fureix et al., 2013; Schulman et al., 2014; Badenhorst et al., 2015; Gorecka-Bruzda et al., 2015; Page et al., 2017; Pawluski et al., 2017; van Vollenhoven et al., 2018; Yarnell et al., 2015, 2016; Yarnell and Walker, 2018; Esch et al., 2019 ; Krueger et al., 2019 (S); Marr et al., 2020 ; Hinchcliffe et al., 2021+ ; Novotny et al., 2022 ; Delank et al., 2023 ; Heleski et al., 2002 ; Nunez et al., 2014 ; York and Schulte, 2014 ; Merkies et al., 2016 ; Mercer-Bowyer et al., 2017 ; Marliani et al., 2022a, b ; Jones and Nuñez, 2023
<i>Equus ferus przewalskii</i>	PrezwalSKI horse	Ji et al., 2013 ; Wolter et al., 2014
<i>Equus hemionus onager</i>	Persian Onager	Vick et al., 2012
<i>Equus afr. somaliensis</i>	Somali wild ass	Kozlowski et al., 2021a ↑
<i>Equus asinus</i>	donkey	Peterson et al., 2022
<i>Equus grevyi</i>	Grevy's zebra	Franceschini et al., 2008 ↑; Seeber et al., 2018 ; Yarnell and Walker, 2017 (S)
<i>Equus quagga</i>	plains zebra	Periquet et al., 2017 ↑; Seeber et al., 2018 ↑; Chinnadurai et al., 2009 ; Cizauskas et al., 2015
<i>Equus zebra</i>	mountain zebra	Lea et al., 2018
Rhinocerotidae		
<i>Ceratotherium simum</i>	white rhinoceros	Turner et al., 2002+; Badenhorst et al., 2016; Yang et al., 2019 ; Fabregas et al., 2019 ; 2020, 2021 ; Martinez et al., 2022^, 2023 ; Nhleko et al., 2023 ; Brown et al., 2001^+ ; Carlstead and Brown, 2005 ; Linklater et al., 2010 ; Metrione and Harder, 2011 ; Penny et al., 2020 ; Kothmann et al., 2022 ; Gent et al., 2023
<i>Diceros bicornis</i>	black rhinoceros	Wasser et al., 2000 ; Brown et al., 2001 ↑↗; Turner et al., 2002; Carlstead and Brown, 2005; Dorsey et al., 2010; Linklater et al., 2010; Santymire et al., 2012 ↑; Watson et al., 2013 ; Edwards et al., 2014 (SE); Antwis et al., 2019 ; Edwards et al., 2015a, b, 2020 ; Göttert et al., 2015
<i>Rhinoceros unicornis</i>	Indian rhinoceros	Capiro et al., 2014 ↑
Proboscidae		
Review		welfare (Mason and Veasey, 2010)
<i>Elephas maximus</i>	Asian elephant	Laws et al., 2007+ ; Fanson et al., 2013 ; Watson et al., 2013 ; Ghosal et al., 2013; Kumar et al., 2014, 2019 ; Kajaysri and Nokkaew, 2014; Pokharel et al., 2017, 2019; 2020 Vijayakrishnan et al., 2018; Chharang et al., 2021 ; Mumby et al., 2015 ; Edwards et al., 2016 ; 2019a, b ; Wong et al., 2016 (S); Norkaew et al., 2018 ; 2019a, b ; Bansiddhi et al., 2019 ; Brown et al., 2019, 2020 ; Tang et al., 2020 ; Seltmann et al., 2020 ; 2022 ; Kosaruk et al., 2020, 2023 ; Crawley et al., 2021 ; Boonprasert et al., 2021 ; Glaeser et al., 2021 ; De Andres et al., 2021 ; Keady et al., 2021 ; Nokkaew et al., 2022 ; LaDue et al., 2022, 2023 ; Ukonaho et al., 2023 ; de Mel et al., 2023
<i>Loxodonta africana</i>	African elephant	Stead et al., 2000 ↑↗; Wasser et al., 2000 ; Ganswindt et al., 2003* ↑↗, 2005a,b, 2010a, b; Santymire et al., 2012 ↑; Foley et al., 2001 ; Hunt and Wasser, 2003 (S); Millspaugh et al., 2007 ; Burke et al., 2008 ; Gobush et al., 2008 ; Munshi-South et al., 2008 ; Rasmussen et al., 2008 ; Viljoen et al., 2008a, b ; Wooley et al., 2008, 2009 ; Pinter-Wollman et al., 2009 ; De Nys et al., 2010 ; Ahlering et al., 2011, 2013 ; Jachowski et al., 2012, 2013a, b ; Tingvold et al., 2013 ; Hunninck et al., 2017 ; Webber et al., 2018 (S); Brown et al., 2019 ; Edwards et al., 2019b ; Szott et al., 2020 ; Carlin et al., 2020 ; Grotto et al., 2020 ; Oduor et al., 2020 ; Keady et al., 2021 ; Garai et al., 2022 ; Troup et al., 2022 ; Parker et al., 2022 ; Manning et al., 2022 ; Lacomme et al., 2023 ; Pretorius et al., 2023 ; Campbell et al., 2023
Sirenia		
<i>Dugong dugon</i>	dugong	Burgess et al., 2013
<i>Trichechus manatus latirostris</i>	Florida manatee	Merson et al., 2014
Macroscelidae		
<i>Elephantulus myurus</i>	Eastern rock sengis	Medger et al., 2020 ↑+; 2021

Table S6: Published papers dealing with FCMs in different species (grouped by “Family”) of the order “Carnivora” (see general information on page II for further details)

Reviews (ordered by year)		
Dominance, aggression and glucocorticoids (Creel, 2005); comparative endocrinology of felids (Brown, 2006); welfare of captive big cats (Vaz et al., 2022a); physiological stress in free-ranging bears (Babic et al., 2023)		
Family/Latin name	common name	articles (ordered by year; validations first)
Canidae (canids)		
<i>Canis lupus</i>	wolf	Sands and Creel, 2004↑; Molnar et al., 2015 ; Creel et al., 2002; Eggermann et al., 2013; <i>Brandell et al., 2023</i>
<i>Canis lupus f. familiaris</i>	domestic dog	Schatz and Palme, 2001*↑↓^+ ; Palme et al., 2001; De Palma et al., 2005; Slotta-Bachmayr and Schwarzenberger, 2007; <i>Schork et al., 2022; Corsetti et al., 2023; Farca et al., 2006+; Accorsi et al., 2008; 2018, Bryan et al., 2013; Walker et al., 2014; Uetake et al., 2015; 2016; Righi et al., 2019; Mondo et al., 2020; Stillo et al., 2021; Meineri et al., 2022; Chen et al., 2022; Romaniuk et al., 2022a, b; Atuahene et al., 2023</i>
<i>Canis lupus baileyi</i>	Mexican wolf	Pifarre et al., 2012; Escobar-Ibarra et al., 2017; Alejandro et al., 2008
<i>Canis lupus signatus</i>	Iberian wolf	<i>Barja et al., 2008</i>
<i>Canis rufus</i>	red wolf	Young et al., 2004↑^+; Franklin et al., 2020↑
<i>Canis latrans</i>	coyote	Schell et al., 2013↑+, 2016, 2018; Stevenson et al., 2018↑+, 2020 (S)
<i>Canis simensis</i>	Ethiopian wolf	<i>Van Kesteren et al., 2012, 2013</i>
<i>Lycaon pictus</i>	African wild dog	Monfort et al., 1998↑^ ; Creel et al., 1996, 1997; Rafacz and Santymire, 2014↑ ; Santymire and Armstrong, 2010 (SE); <i>Crossey et al., 2018 (S), 2020; Van den Berghe et al., 2019a↑ (S), b; Postiglione et al., 2022; Van der Weyde et al., 2016</i>
<i>Chrysocyon brachyurus</i>	maned wolf	Vasconcellos et al., 2011↑+, 2009; Vynne et al., 2012 (S), 2014; Coehlo et al., 2016; Spercowski et al., 2012; Cummings et al., 2007; Teodoro et al., 2012; Jones et al., 2018
<i>Cerdocyon thous</i>	crab-eating-fox	Paz et al., 2014↑, 2015
<i>Otocyon megalotis</i>	bat-eared fox	Le Roux et al., 2016↑+; de Bruin et al., 2018
<i>Vulpes vulpes</i>	silver fox	Hovland et al., 2017↑+
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	<i>Nelson et al., 2015</i>
<i>Vulpes lagopus</i>	Arctic fox	Larm et al., 2021↑^ (S) ; McDonald et al., 2018; <i>Sanson et al., 2005</i> ; blue morph: Ojala et al., 2021↑^
<i>Vulpes zerda</i>	fennec fox	Kozłowski et al., 2021b↑
<i>Urocyon littoralis</i>	island fox	Kozłowski et al., 2020↑
Ursidae (bears)		
<i>Ursus arctos horribilis</i>	grizzly bear	Hunt and Wasser, 2003↑^ (S) ; White et al., 2015↑ ; Wasser et al., 2004; von der Ohe et al., 2004; <i>Edes et al., 2022; Stetz et al., 2013; Christianson et al., 2021; Fuller et al., 2021</i>
<i>Ursus arctos (+syracus)</i>	brown bear	Dalerum et al., 2020↑+; Sergiel et al., 2020
<i>Ursus maritimus</i>	polar bear	Shepherdson et al., 2013↑; White et al., 2015↑; Hein et al., 2020; Leishman et al., 2022; Edes et al., 2022; Bryant and Roth, 2018
<i>Ursus americanus</i>	black bear	<i>Wasser et al., 2004; Stetz et al., 2013; Christianson et al., 2021</i>
<i>Ursus thibetanus</i>	Asiatic black bear	Young et al., 2004↑^+; Malcolm et al., 2013, 2014; Narayan et al., 2018b
<i>Helarctos malayanus</i>	Malayan sun bear	Wasser et al., 2000 ; Frederick et al., 2013
<i>Melursus ursinus</i>	sloth bear	<i>Young et al., 2004</i>
<i>Ailuropoda melanoleuca</i>	giant panda	Kersey et al., 2010↑^ ; 2011; <i>Liu et al., 2006; Yu et al., 2011; Deng et al., 2014a, b; Zhou et al., 2020; Zhang et al., 2022b</i>
Pinnipedia (Pinnipeds)		
<i>Arctocephalus pusillus</i>	Cape fur seal	<i>Hammerschlag et al., 2017; 2022</i>
<i>Eumetopias jubatus</i>	Steller sea lion	Mashburn and Atkinson, 2004↑^ (S) ; 2007↑; 2008↑; Hunt et al., 2004↑ ; <i>Petrauskas and Atkinson, 2006; Petrauskas et al. 2006, 2008;</i>
<i>Zalophus californianus</i>	California sea lion	<i>Petrauskas et al., 2008</i>
<i>Monachus schauinslandi</i>	Hawaiian monk seal	<i>Gobush et al., 2014</i>
<i>Phoca vitulina richardii</i>	harbor seal	<i>Gulland et al., 1999↑</i>
Musteloidae (mustelids)		
<i>Ailurus fulgens fulgens</i>	red panda	<i>Budithi et al., 2016; Khan et al., 2023</i>
<i>Procyon lotor</i>	raccoon	Monello et al., 2010↑
<i>Gulo gulo</i>	wolverine	Dalerum et al., 2006↑
<i>Martes martes</i>	European pine marten	<i>Barja et al., 2007, 2011</i>
<i>Meles meles</i>	European badger	Barja et al., 2012↑ (S) ; Schütz et al., 2006; <i>George et al., 2014</i>
<i>Mustela nigripes</i>	black-footed ferret	Young et al., 2001↑^ ; 2004↑^+ ; Poessel et al., 2011+; <i>Santymire et al., 2020</i>
<i>Mustela putorius furo</i>	ferret	<i>Sladky et al., 2000</i>

<i>Neogale vison</i> (<i>Neovison vison</i> or <i>Mustela vison</i>)	American mink	Malmkvist et al., 2011* ↑ [^] ; Hansen et al., 2007; Svendsen et al., 2007+; 2013+; Malmkvist and Palme, 2008+; 2015+; Malmkvist et al., 2012a, 2013+, 2016; Meagher et al., 2012; 2013, 2014; Buob et al., 2013; Diez-Leon et al., 2013, 2016; Rauch et al., 2014; Schou et al., 2018, 2019; Schwartz et al., 2004
<i>Mustela lutreola</i>	European mink	Ortiz-Jimenez et al., 2022
<i>Lontra canadensis</i>	river otter	Rothschild et al., 2008 ; Taylor et al., 2016 ; Crowley et al., 2018 ; Huang et al., 2018
<i>Pteronura brasiliensis</i>	giant river otter	Mettrione et al., 2018
<i>Enhydra lutris kenyoni</i>	Alaskan sea otter	Wasser et al., 2000 ; Olsen et al., 2023
<i>Aonyx capensis</i>	African clawless otter	Majelantle et al., 2020+ (S)
Felidae		
<i>Neofelis nebulosa</i>	clouded leopard	Wasser et al., 2000 ; Wielebnowski et al., 2002a ↑; Young et al., 2004 ↑; Shepherdson et al., 2004 ; DeCaluwe et al., 2013
<i>Panthera uncia</i>	snow leopard	Herrick et al., 2020 ↑; Chosy et al., 2014+; Burgener et al., 2008 ; Kinoshita et al., 2011 Kinoshita, 2021 (SE)
<i>Panthera tigris</i>	tiger	Parnell et al., 2015 (SE); Malviya et al., 2018 ; Bhattacharjee et al., 2015 ; Tyagi et al., 2019 Dembiec et al., 2004 ; Mondol et al., 2020 ↑ [^] ; Jepsen et al., 2021+ (S); Patel et al., 2021
<i>Panthera t. altaica</i>	Siberian tiger	Rozhnov et al., 2010 ↑; Naidenko et al., 2011 ↑, 2019 (E); Ivanov et al., 2017
<i>Panthera t. sumatrae</i>	Sumatran tiger	Narayan et al., 2013a ; Parnell et al., 2014
<i>Panthera t. tigris</i>	Bengal tiger	Narayan et al., 2013a ; Ruskell et al., 2015; Naidenko et al., 2019 ; Vaz et al., 2017
<i>Panthera pardus</i>	leopard	Webster et al., 2018 ↑ (S); Panchal et al., 2022 ; Chosy et al., 2014+; Vaz et al., 2017 Durge et al., 2022 ; Patel et al., 2023
<i>Panthera onca</i>	jaguar	Morato et al., 2004 ; Conforti et al., 2012 ↑; Mesa-Cruz et al., 2014 ⁺ , 2016
<i>Panthera leo</i>	African lion	Santymire et al., 2012 ↑; Creel et al., 2013 ↑; Putman et al., 2015, 2019 ⁺ ; Serres-Corral et al., 2021 , Vaz et al., 2022b ; Fowler and Santymire, 2022 (S) Goswami et al., 2021 ; Patel et al., 2021
<i>Panthera leo persica</i>	Asiatic lion	
<i>Leptailurus serval</i>	serval	Chosy et al., 2014 ; Radical et al., 2023
<i>Caracal caracal</i>	caracal	Radical et al., 2023
<i>Leopardus pardalis</i>	ocelot	Dias et al., 2008 ↑ ⁺ ; Mesa-Cruz et al. 2016; Blank et al., 2022 ; Radical et al., 2023
<i>Leopardus wiedii</i>	margay	Gusset, 2005 ; Moreira et al., 2007
<i>Leopardus tigrinus</i>	tigrina	Moreira et al., 2007
<i>Lynx canadensis</i>	Canada lynx	Fanson et al., 2012 ↑ ⁺ ; Fanson & Wielebnowski, 2013
<i>Lynx lynx/Lynx pardinus</i>	Eurasian/Iberian lynx	Pribbenow et al., 2014* ↑ ⁺
<i>Lynx rufus</i>	mountain cat	Alejandro et al., 2008
<i>Acinonyx jubatus</i>	cheetah	Terio et al., 1999 ↑ [^] , 2002 (SE), 2003, 2004; Wasser et al., 2000 ; Ludwig et al., 2013* ↑ [^] ; Young et al., 2004 ↑ ⁺ ; Koester et al., 2015 ↑, 2017, 2022; Wielebnowski et al., 2002b ; Wells et al., 2004 ; Miller et al., 2016 , Crosier et al., 2017 ; Maly et al., 2018 2022; Thuwanut et al., 2019 ; Fink et al., 2021 ; Jurke et al., 1997 , Uetake et al., 2014 ; Brown et al., 2023
<i>Puma concolor</i>	cougar	Mesa-Cruz et al., 2016 ; Ruskell et al., 2015 ; Bonier et al., 2004+
<i>Otocolobus manul</i>	Pallas' Cat	Newell-Fugate et al., 2007
<i>Prionailurus bengalensis</i>	Bengal cat	Pavlova and Naidenko, 2008 ↑;
<i>Prionailurus b. euptilurus</i>	Tsushima leopard cat	Kusuda et al., 2022 [^]
<i>Prionailurus viverrinus</i>	fishing cat	Khonmee et al., 2016 ↑; Fazio et al., 2020 ↑ ⁺
<i>Felis chaus</i>	jungle cat	Marinath et al., 2019
<i>Felis silvestris</i>	wild cat	Pineiro et al., 2012 ; 2015
<i>Felis catus</i>	domestic cat	Graham and Brown, 1996* ↑ [^] ; Schatz and Palme, 2001* ↑ ⁺ ↓ ⁺ ; Young et al., 2004 ↑ ⁺ ; Palme et al., 2001+ ; Ramos et al., 2012 ; 2013, 2020; Fukimoto et al., 2020 Makawey et al., 2020 ; Chipangura et al., 2020 ; Ellis et al., 2021 ; Carlisle et al., 2021 Accorsi et al., 2008 ; Gourkow et al., 2014 ; Rehnberg et al., 2015 ; Stella and Croney, 2019 , Blasco et al., 2021
Hyaenidae (hyaenas)		
<i>Crocuta crocuta</i>	spotted hyaena	Goymann et al., 1999 ↑ [^] , 2001, 2003; Benhaïem et al., 2012* ↑ [^] , 2013; Davidian et al., 2015 ; 2021; Dlonak et al., 2006 ; Van Meter et al., 2009 ; Laubach et al., 2021 ; Greenberg et al., 2022b (SE); Ashish et al., 2023
<i>Hyaena brunnea</i>	brown hyaena	Hulsman et al., 2011 ↑ (S)
<i>Proteles cristata</i>	aardwolf	Ganswindt et al., 2012a ↑ ⁺ ; Marneweck et al., 2013 , 2015
Herpestidae (mongoose)		
<i>Mungos mungo</i>	banded mongoose	Laver et al., 2012 ↑ ⁺ ↓ ⁺ (S), 2020; Sanderson et al., 2014 ↑, 2015
<i>Suricata suricatta</i>	meerkat	Young et al., 2004 ↑ ⁺ ; Young et al., 2006 , 2008; Young and Monfort, 2009 ; Barette et al., 2012 ; Voellmy et al., 2014 ; Dimac-Stohl et al., 2018 ; Goncalves et al.,

Table S7: Published papers dealing with FCMs in different species (grouped by “Family”) of other order “**Marsupialia**, **Xenarthra**, **Chiroptera**, **Tubulidentata**, **Pholidota**, **Eulipotyphla**, **Hyracoidea** and **Monotremata**” (see general information on page II for further details)

Reviews (ordered by year)		
Assay/validation comparisons (Fanson et al., 2017)		
Family/Latin name	common name	articles (ordered by year; validations first)
Marsupialia		
<i>Sarcophilus harrisii</i>	Tasmanian devil	Keeley et al., 2012[↑] ; Florent et al., 2023
<i>Myrmecobius fasciatus</i>	numbat	Hogan et al., 2012[↑]
<i>Macrotis lagotis</i>	greater bilby	Narayan et al., 2014[↑] , 2012; Evans et al., 2013
<i>Perameles nasuta</i>	bandicoot	Dowle et al., 2013
<i>Phascolarctos cinereus</i>	koala	Davies et al., 2013a[↑] , b, 2014; Johnston et al., 2013[↑] ; Narayan et al., 2013b[↑] Fanson et al., 2017[↑] ; Webster et al., 2017; Narayan and Vanderneut, 2019 ; Narayan, 2019 ; Charalambous et al., 2021 ; Santamaria et al., 2021a, b[↑] , c, 2023; Pahuja and Narayan, 2023a,b ; Beaman et al., 2023
<i>Lasiorhinus latifrons</i>	S. hairy-nosed wombat	Hogan et al., 2011[↑] ; Descovich et al., 2012 (S) ; Fanson et al., 2017+
<i>Lasiorhinus krefftii</i>	N. hairy-nosed wombat	Fanson et al., 2017+
<i>Tarsipes rostratus</i>	honey possum	* Oates et al., 2007
<i>Burramys parvus</i>	mountain pygmy-possum	Fanson et al., 2017
<i>Petaurus australis</i>	yellow-bellied glider	Fanson et al., 2017+
<i>Petaurus breviceps</i>	sugar glider	Scheun et al., 2020a[↑]
<i>Potorous gilbertii</i>	Gilbert’s potoroo	Stead-Richardson et al., 2010
<i>Potorous tridactylus</i>	long-nosed potoroo	Fanson et al., 2017+
<i>Bettongia gaimardi</i>	bettong	Fanson et al., 2017+ ; Batson et al., 2017
<i>Bettongia penicillata</i>	woylie	Fanson et al., 2017[↑] ; Page et al., 2019 ; Hing et al., 2016a, b, 2017a, b
<i>Macropus eugenii</i>	tammar wallaby	McKenzie and Deane, 2005 ; Schwanz and Robert, 2014
<i>Macropus fuliginosus</i>	Western grey kangaroo	Fanson et al., 2017[↑]
<i>Macropus f. fuliginosus</i>	Kangaroo Island kangaroo	Sherwen et al., 2015b
<i>Macropus giganteus</i>	Eastern grey kangaroo	Fanson et al., 2017[↑] ; Branton et al., 2020
<i>Macropus rufus</i>	red kangaroos	Sherwen et al., 2015b
<i>Gracilinanus agilis</i>	agile gracile opossum	Hernandez et al., 2018
<i>Dasyurus geoffroii</i>	western quoll	Jensen et al., 2019
<i>Sminthopsis crassicaudata</i>	fat-tailed dunnart	Swinston et al., 2020
<i>Trichosurus vulpecula</i>	common brushtail possums	Cope et al., 2022[↑]
Xenarthra		
<i>Myrmecophaga tridactyla</i>	giant anteater	Knott et al., 2013
<i>Tamandua tetradactyla</i>	collared anteater	Eguizábal et al., 2013[↑] , 2019, 2022 ; Ruiz et al., 2019
<i>Tolypeutes matacus</i>	armadillo	Howell-Stephens et al., 2012[↑] , 2023 ; Baird et al., 2016[↑]
<i>Zaedyus pichiy</i>	pichi	Superina et al., 2009
Chiroptera		
<i>Eptesicus isabellinus</i>	Isabell bat	Kelm et al., 2016[↑]
<i>Pteropus poliocephalus</i>	grey-headed flying-fox	Parry-Jones et al., 2016
<i>Pteropus vampyrus</i>	large flying fox	Freeman et al., 2018[↑] ; Greene et al., 2023 ; Van der Aa et al., 2006
<i>Pteropus hypomelanus</i>	small flying fox	Van der Aa et al., 2006
<i>Pteropus livingstonii</i>	Livingstone’s fruit bat	Edwards et al., 2022
<i>Acerdon jubatus</i>	giant golden-crowned f. fox	Van der Aa et al., 2006
<i>Artibeus/Sturnia spp.</i>	frugivorous bats	Medina-Cruz et al., 2020
<i>Myotis vivesi</i>	fish-eating Myotis	Hernandez-Arciga et al., 2020
<i>Myotis daubentonii</i>	Daubenton’s bat	Ruzinska and Kanuch, 2022
<i>Carollia perspicillata</i>	Seba’s short-tailed bat	Lobato-Bailon et al., 2023
Tubulidentata		
<i>Orycteropus afer</i>	aardvark	Hamilton et al., 2020
Pholidota		
<i>Manis pentadactyla</i>	Taiwanese pangolin	Arora et al., 2020
<i>Manis javanica</i>	Malayan pangolins	Yan et al., 2021

Eulipotyphla	<i>Erinaceus europaeus</i>	European hedgehog	Rasmussen et al., 2021
Hyracoidea	<i>Procavia capensis</i>	rock hyrax	Carlin et al., 2022 ↑+ (S)
Monotremata	<i>Tachyglossus aculeatus</i>	short-beaked echidna	Russell et al., 2022 ↑+

Table S8: Published papers dealing with FCMs in different species (grouped by “Order” – alphabetical) of the class “Aves” (see general information on page II for further details)

Reviews (ordered by year)		
Hirschenhauser et al., 2005 (S; greylag geese); Goymann, 2005 (validation; influential factors; SE); Oladokun and Adewole, 2022 (heat stress); seabird conservation (Whitehead and Dunphy, 2022)		
Order/Latin name	common name	articles (ordered by year; validations first)
Accipitriformes		
<i>Aquila chrysaetos</i>	golden eagle	Staley et al., 2007 ↑^
<i>Buteo jamaicensis</i>	red-tailed hawk	Baird et al., 2016 ↑
<i>Cathartes aura</i>	turkey vulture	Herring et al., 2018, 2023
Anseriformes		
<i>Anser anser</i>	greylag goose	Kotrschal et al., 1998 ; Hirschenhauser et al., 2000 ; Frigerio et al., 2001, 2003, 2004a+ , b; Pfeffer et al., 2002 ; Scheiber et al., 2005a, b ; 2009, 2015; Kralj-Fišer et al., 2007, 2010a, b ; Dorn et al., 2014 ; Hemetsberger et al., 2010 ; Ludwig et al., 2017 ; Szipl et al., 2019
<i>Anser a. domesticus</i>	domestic goose	Kotrschal et al., 2000 ↑+
<i>Chen caerulescens atlantica</i>	snow goose	Legagneux et al., 2011 ↑
<i>Chloephaga picta</i>	Upland goose	Koch et al., 2009 ↑+; Gladbach et al., 2011
<i>Branta leucopsis</i>	barnacle goose	Scheiber et al., 2017, 2018
<i>Cygnus cygnus</i>	whooper swan	Yang et al., 2021
<i>Anas platyrhynchos</i>	duck	Holmes et al., 1972* ; Helton and Holmes, 1973*
<i>Somateria mollissima</i>	eider	Jatinen et al., 2013 ; Latty et al., 2016 ; Noreikiene et al., 2017, 2021 (S)
<i>Dendrocygna bicolor</i>	whistling-duck	Herring and Gawlick, 2009 (S)
<i>Histrionicus histrionicus</i>	harlekin duck	Nilsson et al., 2008 ↑^; Hansen et al., 2016
Apodiformes		
<i>Hylocharis leucotis</i>	white-eared hummingbird	Chavez-Zichinelli et al., 2014
Bucerotiformes		
<i>Buceros bicornis</i>	great hornbill	Crofoot et al., 2003 ^
<i>Tockus leucomelas</i>	Southern African hornbill	Bouwer et al., 2021 ↑+; Ngcamphalala et al., 2021
Casuariiformes		
<i>Dromaius novaehollandiae</i>	emu	Jakob-Hoff et al., 2019
Charadriiformes		
<i>Alle alle</i>	little auk	Kidawa et al., 2014 ↑+, 2017, 2023
<i>Gelochelidon nilotica</i>	gull-billed tern	Albano et al., 2015 ↑+
<i>Larus californicus</i>	California gull	Herring and Ackerman, 2011
<i>Sterna forsteri</i>	Forster’s tern	Herring et al., 2012
<i>Sterna hirundo</i>	common tern	Braasch et al., 2011
<i>Oceanites oceanicus</i>	Wilson’s storm-petrel	Quillfeldt & Möstl, 2003 ^
Columbiformes		
<i>Columba palumbus?</i>	Pigeon	Holmes et al., 1972*
<i>Zenaida macroura</i>	mourning dove	Washburn et al., 2003 ↑; Schulz et al., 2005 ; Jachowski et al., 2014, 2015b
<i>Spilopelia capensis</i>	laughing dove	Ngcamphalala et al., 2023 ↑+
Falconiformes		
<i>Falco peregrinus</i>	peregrine falcon	Staley et al., 2007 ↑^
<i>Falco sparverius</i>	American kestrel	Pereira et al., 2009 ↑, 2010
<i>Accipiter gentilis</i>	goshawk	Dehnhard et al., 2003

Galliformes		
<i>Coturnix c. japonica</i>	Japanese quail	Busso et al., 2013↑; Stöwe et al., 2013↑^ ; Hirschenhauser et al., 2012*↑^+; Dominchin et al., 2014, 2017; Pellegrini et al., 2015; <i>Pike and Petrie, 2006; Cockrem et al., 2012; Botelho et al., 2015</i>
<i>Gallus domesticus</i>	chicken	Rettenbacher et al., 2004*↑↓^ ; Dehnhard et al., 2003↑↓^ ; Hirschenhauser et al., 2012*^+; Rettenbacher et al., 2006*^; Jensen et al., 2006; Janczak et al., 2007; Buijs et al., 2009; Rettenbacher and Palme, 2009; Kjaer et al., 2011; Stöwe et al., 2013↑^ ; Alm et al., 2014 , 2015, 2016; Brantsæter et al., 2016; Chousalkar et al., 2016 ; Weldon et al., 2016; de Haas et al., 2017; Gole et al., 2017 ; Bertin et al., 2018, 2019 ; Carvalho et al., 2018; Sprafke et al., 2018; Weimer et al., 2018; Larsen et al., 2018 ; <i>Dawkins et al., 2004; Fraise and Cockrem, 2006; Nicol et al., 2006; Carlsson et al., 2009; Jankowski et al., 2010; Sherwin et al., 2010; Sharma et al., 2017; Zhou et al., 2019; Engel et al., 2019, 2022; Trocino et al., 2020; Biasato et al., 2022; Nordquist et al., 2022</i>
<i>Phasianus colchicus</i>	common pheasants	Volfova et al., 2022
<i>Tetrao urogallus</i>	capercaillie	Thiel et al., 2005*↑^+ (S) , 2008, 2011, Coppes et al., 2018, 2021 ; Rösner et al., 2023
<i>Tetrao tetrix</i>	black grouse	Baltic et al., 2005*↑^+ (S) ; Arlettaz et al., 2007, 2015; Formenti et al., 2015; Sokol and Koziattek-Sadlowska, 2020
<i>Centrocercus urophasianus</i>	greater sage grouse	Jankowski et al., 2009↑ (S) , 2014; Blickley et al., 2012; Rabon et al., 2021
<i>Bonasa umbellus</i>	ruffed grouse	<i>Zimmerman et al., 2013; Shipley et al., 2019, 2022</i>
<i>Colinus virginianus</i>	northern bobwhite	Mohlman et al., 2020↑
Gruiformes		
<i>Grus americana</i>	whooping crane	Hartup et al., 2005^, Brown et al., 2016, 2020, 2023
<i>Grus canadensis</i>	sandhill crane	Ludders et al., 2001↑ ; Hartup et al., 2004
<i>Grus nigricollis</i>	black-necked cranes	Wang et al., 2022
Otidiformes		
<i>Tetrax tetrax</i>	little bustard	<i>Tarjuelo et al., 2015</i>
<i>Otis tarda</i>	great bustard	<i>Liu et al., 2018</i>
Passeriformes		
<i>Agelaius phoeniceus</i>	red-winged blackbird	Buxton et al., 2018
<i>Carduelis chloris</i>	greenfinch	<i>Albores-Barajas et al., 2012+</i>
<i>Corvus corax</i>	common raven	Stocker et al., 2016↑^+; Stöwe et al., 2008+; Munteanu et al., 2017; Herring et al., 2018, 2023
<i>Corvus frugilegus</i>	rook	<i>Scheid and Noe, 2010+</i>
<i>Cyanistes caeruleus</i>	blue tit	Lobato et al., 2008↑^+; Lucass et al., 2016
<i>Ficedula albicollis</i>	collared flycatcher	<i>Garamszegi et al., 2012*; Fletcher et al., 2018</i>
<i>Ficedula hypoleuca</i>	pied flycatcher	Lobato et al., 2008↑^+ , 2010; Moreno et al., 2010;
<i>Hirundo rustica</i>	barn swallow	<i>Cinque et al., 2021 (S)</i>
<i>Lonchura striata</i>	white-backed munia	Suzuki et al., 2012↑
<i>Lonchura s. domestica</i>	Bengalese finch	Suzuki et al., 2012↑
<i>Malurus melanocephalus</i>	red-backed fairywren	<i>Schwabl et al., 2014</i>
<i>Melospiza melodia</i>	song sparrow	Bottini et al., 2022
<i>Oenanthe oenanthe</i>	northern wheatear	Eikenaar et al., 2014a↑, b, 2018
<i>Parus major</i>	great tit	Carere et al., 2003^+; Stöwe et al., 2010^, 2013; Eeva et al., 2014
<i>Passer domesticus</i>	house sparrow	<i>Chávez-Zichinelli et al., 2010; Berk et al., 2016</i>
<i>Plocepasser mahali</i>	white-browed sparrow-weavers	Ngcamphalala et al., 2021, 2023↑+
<i>Poecile carolinensis</i>	Carolina chickadee	<i>Lucas et al., 2006</i>
<i>Pyrrhonorax graculus/</i>	Alpine/	
<i>P. pyrrhonorax</i>	red-billed chough	Jimenez et al., 2011↑+
<i>Saxicola torquata rubicola</i>	European stonechat	Goymann et al., 2002*↑↓^+; 2006; Goymann, 2005*↑ ; Goymann and Trappschuh, 2011
<i>Sporophila angolensis</i>	chestnut-bellied seed-finch	Barbosa et al., 2019↑
<i>Spiza americana</i>	dickcissel	Wells et al., 2003
<i>Sturnus vulgaris</i>	European starling	Cyr and Romero, 2008↑ ; Bauer et al., 2011; <i>Bean et al., 2014</i>
<i>Turdoides bicolor</i>	southern pied babblers	Jepsen et al., 2019↑+, 2021; Ridley et al., 2021; Ngcamphalala et al., 2021

Pelecaniformes		
<i>Geronticus eremita</i>	Northern bald ibis	Puehringer-Sturmayer et al., 2018+ , 2020 ; Tintner & Kotschal, 2002; Sorata and Kotschal, 2006; Frigerio et al., 2016; <i>Dorn et al., 2014</i>
<i>Eudocimus albus</i>	white ibis	<i>Adams et al., 2009; Herring et al., 2009, 2011, 2014; Herring and Gawlik, 2009 (S), 2013</i>
<i>Ardea alba</i>	great egret	<i>Herring et al., 2009, 2014; Herring and Gawlik, 2013</i>
Psittaciformes		
<i>Agapornis roseicollis</i>	peach-faced lovebird	Ebisawa et al., 2022
<i>Amazona aestiva</i>	blue-fronted parrot	Ferreira, et al., 2015 ↑↓; Queiroz et al., 2016; Matos et al., 2017; Vidal et al., 2019
<i>Amazona brasiliensis</i>	red-tailed parrot	<i>Popp et al., 2008</i>
<i>Ara ararauna</i>	blue-and-yellow macaws	de Almeida et al., 2018 ↑+
<i>Cacatua galerita</i>	sulphur-crested cockatoo	<i>Peng et al., 2014</i>
<i>Melopsittacus undulatus</i>	budgerigar	Young & Hallford, 2013 ↑; Dahlin et al., 2014; <i>Duggan et al., 2017; Malek et al., 2020</i>
<i>Nestor notabilis</i>	kea	Donelan et al., 2022
<i>Primolius couloni</i>	blue-headed macaw	Watson et al., 2013
<i>Psittacus erithacus</i>	African grey parrot	<i>Owen and Lane, 2006; Costa et al., 2016; Bienboire-Frosini et al., 2018</i>
<i>Pyrrhura molinae</i>	green-cheeked conure	<i>Paul-Murphy et al., 2009</i>
<i>Guaruba guarouba</i>	golden conure	Sinhorini et al., 2020 ↑
Pteroclidiformes		
<i>Pterocles alchata</i>	pin-tailed sandgrouse	<i>Casas et al., 2016</i>
Rheiformes		
Review		Navarro et al., 2019
<i>Rhea americana</i>	great rhea	Leche et al., 2011 ↑^, 2014, 2015, 2016; Della Costa et al., 2019, 2020
Sphenisciformes		
<i>Eudyptula minor</i>	little penguin	Sherwen and Fanson, 2015; Chiew et al., 2019, 2022
<i>Pygoscelis adeliae</i>	Adelie penguin	Nakagawa et al., 2003 ↑^+; Ninnes et al., 2010, 2011
<i>Pygoscelis papua</i>	gentoo penguin	Lynch et al., 2019
<i>Spheniscus demersus</i>	African Penguin	Anfossi et al., 2014+ ; Ozella et al., 2015, 2017, Scheun et al., 2020c (E); 2021a,b; Driscoll et al., 2023
<i>Spheniscus humboldti</i>	Humboldt penguins	Xie & McWhorter, 2021
<i>Spheniscus magellanicus</i>	Magellanic penguin	Hartell-DeNardo et al., 2022
Strigiformes		
<i>Strix occidentalis caurina</i>	northern spotted owl	Wasser et al., 1997 ↑, 2000 ; Hayward et al., 2010 (E), 2011
<i>Strix o. occidentalis</i>	California spotted owl	<i>Tempel and Gutierrez, 2003, 2004</i>
<i>Strix sp.</i>		Wasser and Hunt, 2005↑*
<i>Strix virgate</i>	mottled owl	Hernandez-Lozano et al., 2022
<i>Bubo bubo</i>	eagle owl	Urita et al., 2022
<i>Ptilopsis leucotis</i>	African scops owl	Urita et al., 2022
<i>Megascops choliba</i>	screech owl	Barbosa-Moyano et al., 2023 ↑; Barbosa-Moyano and Oliveira, 2023

Table S9: Published papers dealing with FCMs in different species (grouped by “Class”) of other phyla (see general information on page II for further details)

Family/Latin name	common name	articles (ordered by year; validations first)
Mollusca		
<i>Enteroctopus dofleini</i>	giant Pacific octopuse	Larson & Anderson, 2010 ↑
Fish		
Review		Ellis et al., 2013; Sadoul and Geffrey, 2019
<i>Cyprinus carpio L.</i>	koi	Lupica and Turner, 2010
<i>Hemiscyllium ocellatum</i>	epaulette shark	Karsten and Turner, 2003
<i>Oryzias latipes</i>	medaka	Grillitsch et al., 2010
<i>Salmo salar L.</i>	Atlantic salmon	Cao et al., 2017 ; Webster et al., 2020 ; Meling et al., 2022 ; Ding et al., 2023
<i>Scarus/Sparisoma sp.</i>	parrotfish	Turner et al., 2003 ; Lupica and Turner, 2009
<i>Sparus aurata</i>	seabream	Herrera et al., 2016
Amphibia		
<i>Anaxyrus baxteri</i>	Wyoming toad	Santymire et al., 2021 ↑
<i>Atelopus spp.</i>	harlequin frog	Cikanek et al., 2014 ↑↑+
<i>Necturus maculosus</i>	common mudpuppy	Nagel et al., 2019
Reptilia		
Review	snakes	Van Waeyenberge et al., 2018
<i>Anolis carolinensis</i>	Carolina anole	Borgmans et al., 2018, 2019, 2021a,b ; Hudson et al., 2019
<i>Chamaeleo calyptrotus</i>	veiled chameleon	Kummrow et al., 2021 ^
<i>Crocodylus niloticus</i>	Nile crocodile	Ganswindt et al., 2014 ↑+ (S)
<i>Crocodylus rhombifer</i>	Cuban crocodile	Augustine et al., 2020
<i>Ctenosaura acanthura</i>	spiny tailed iguana	Suarez-Dominguez et al., 2011
<i>Gallotia galloti</i>	Tenerife lizard	Megia-Palma et al., 2020
<i>Geochelone elegans</i>	Indian star tortoise	Hartzheim et al., 2023
<i>Iguana iguana</i>	green iguana	Kalliokoski et al., 2012b
<i>Indotestudo travancorica</i>	Travancore tortoise	Umapathy et al., 2015 ^
<i>Lamprophis fuliginosus</i>	African house snake	Berkvens et al., 2013
<i>Montivipera wagneri</i>	Wagner's viper	Augustine et al., 2022
<i>Pituophis spec.</i>	pine/bullsnakes	Racine et al., 2022
<i>Psammadromus algirus</i>	Algerian sand racer	Megia-Palma et al., 2022
<i>Pyxis arachnoides brygooi</i>	Northern spider tortoise	Hartzheim et al., 2023
<i>Sistrurus catenatus</i>	Massasauga rattlesnake	Berkvens et al., 2013 ↑
<i>Smaug giganteus</i>	sungazer	Scheun et al., 2018 ↑+; 2021c
<i>Thamnophis sirtalis</i>	common gartersnake	Halliday et al., 2015
<i>Terrapene carolina carolina</i>	Eastern box turtle	Case et al., 2005
<i>Terrapene carolina triunguis</i>	three-toed box turtle	Rittenhouse et al., 2005
<i>Trachylepis margaritifer</i>	rainbow skink	Miller et al., 2013
<i>Trogonophis wiegmanni</i>	checkerboard worm lizard	Martin et al., 2021, 2023
<i>Uromastyx acanthinura</i>	spiny-tailed lizards	Kechnebbou et al., 2019
<i>Vijayachelys silvatica</i>	cane turtle	Umapathy et al., 2015 ^

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