

Inhalt

1. Vorwort	11
2. Systematische Zoologie der Vertebrata (Craniota)	13
Vertebrata (Craniota)	13
└ Hyperotreta (Schleimfische, Inger)	21
└ Myopterygii	27
└ Hyperoartia (Neunaugen)	29
└ Gnathostomata	37
└ Chondrichthyes (Knorpelfische)	44
└ Holocephali (Seekatzen)	48
└ Elasmobranchii (Haie und Rochen)	52
└ Galea	59
└ Heterodontiformes	59
└ Orectolobiformes	60
└ Lamniformes	61
└ Carcharhiniformes	63
└ Squalea	64
└ Hexanchiformes	65
└ Echinorhiniformes	66
└ Squaliformes	67
└ Hypnosqualea	68
└ Squatiniformes	68
└ Pristiophoriformes	69
└ Batoidei	70
└ Osteognathostomata	75
└ Actinopterygii (Strahlenflosser)	80
└ Cladistia (Flösselhechte)	82
└ Actinopteri	88
└ Chondrostei (Störe)	88
└ Neopterygii	92
└ Ginglymodi (Knochenhechte)	93
└ Halecostomi	96
└ Halecomorphi (Kahlhechte)	98
└ Teleostei (Knochenfische)	101
└ Osteoglossomorpha	110
└ Elopocephala	113
└ Elopocephala	113
└ Elopiformes	115
└ Notacanthiformes	116
└ Anguilliformes	117
└ Clupeocephala	119
└ Clupeomorpha	120
└ Euteleostei	123
└ Haplomi	124
└ Ostariophysi	126
└ Anotophysi	127
└ Otophysi	127
└ Cypriniformes	129
└ Cobitoidea	130
└ Characiformes	132
└ Siluriformes	134
└ Gymnotoidei	135
└ Siluroidei	135

↔ Sarcopterygii

← Sarcopterygii	Osteognathostomata →
	<ul style="list-style-type: none"> – Euteleostei <ul style="list-style-type: none"> – Salmonoidei 138 – Argentinoidei 139 – Osmeroidei 140 – Neoteleostei 141 <ul style="list-style-type: none"> – Stomiiformes 143 – Ateleopodiformes 145 – Eurypterygii <ul style="list-style-type: none"> – Aulopiformes 145 – Ctenosquamata <ul style="list-style-type: none"> – Myctophiformes 149 – Acanthomorpha 149 – Allotriognathi 152 – Euacanthomorpha 156 <ul style="list-style-type: none"> – Polymixia 157 – Paracanthopterygii 157 <ul style="list-style-type: none"> – Percopsiformes 157 – Ophidiiformes 158 – Gadiformes 159 – Batrachoidiformes 161 – Lophiiformes 161 – Acanthopterygii 164 <ul style="list-style-type: none"> – Atherinomorpha 164 <ul style="list-style-type: none"> – Atheriniformes 166 – Cyprinodontiformes 167 <ul style="list-style-type: none"> – Aplocheiloidei 169 – Cyprinodontoidei 169 <ul style="list-style-type: none"> – Poeciloidea 169 – Cyprinodontoidea 170 – Beloniformes 171 <ul style="list-style-type: none"> – Adrianichthyoidea 171 – Beloniformia 171 – Mugilomorpha 172 – Percomorpha 174 <ul style="list-style-type: none"> – Stephanoberyciformes 175 <ul style="list-style-type: none"> – Cetunculi 176 – Mirapinnati 176 – Beryciformes 177 – Zeiformes 178 <ul style="list-style-type: none"> – Caproidei 179 – Zeioidei s.str. 179 – Gasterosteiformes 180 <ul style="list-style-type: none"> – Thoracosteini 180 – Solenichthyes 181 – Synbranchiformes 182 <ul style="list-style-type: none"> – Synbranchoidei 183 – Mastacembeloidei 183 – Scorpaeniformes 184 – Dactylopteriformes 187 – Perciformes 188 <ul style="list-style-type: none"> – Percoidei 188 – Labroidei 193 – Zoarcoidei 195 – Notothenoidei 195 – Trachinoidei 197 – Ammodytoidei 198 – Blennioidei 199

<p>Osteognathostomata → ↓ Sarcopterygii └ Actinistia (Quastenflosser) └ Rhipidistia └ Dipnoi (Lungenfische) └ Tetrapoda └ Amphibia └ Gymnophiona (Blindwühlen) └ Batrachia └ Urodela (Schwanzlurche) └ Anura (Froschlurche) └ Ranoidei └ Pipoidea 264 └ Pelabatoidea 265 └ Neobatrachia 266 └ Firmisternia (Ranoidea) 268 └ Amniota 269 └ Sauropsida 274 └ Chelonia (Schildkröten) 282 └ Pleurodira 288 └ Cryptodira 290 └ Procoelocryptodira 291 └ Chelonoidea 291 └ Trionychoidea 292 └ Testudinoidea 294 └ Lepidosauria 296 └ Rhynchocephalia (Brückenechsen) 297 └ Squamata (Schuppenkriechtiere) 299 └ Iguania 303 └ Acrodonta 304 └ Scleroglossa 304 └ Gekkota 305 └ Autarchoglossa 306 └ Scincomorpha (incl. Amphisbaenidae) 306 └ Anguimorpha 312 └ »Anguidea« 312 └ Varanoidea (Platynota) 313 └ Serpentes 314 └ Scolecophidia 320 └ Aletinophidia 323 └ »Anilioidea« 324 └ Macrostomata 326 └ Caenophidia 328 └ Colubroidea 330 └ Mammalia └ Archosauria</p>	Percomorphs → └ Gobiesocoidei 200 └ Callionymoidei 200 └ Gobioidei 201 └ Kurtoidei 203 └ Acanthuroidei 204 └ Scombrolabracoidae 204 └ Scombroidei 205 └ Icosteoidei 206 └ Stromateoidei 206 └ Labyrinthici 208 └ Anabantoidea 208 └ Ophiocephaloidea 210 └ Pleuronectiformes 211 └ Tetraodontiformes 213 Sarcopterygii 216 Actinistia (Quastenflosser) 218 Rhipidistia 221 Dipnoi (Lungenfische) 223 Tetrapoda 228 Amphibia 240 Gymnophiona (Blindwühlen) 243 Batrachia 245 Urodela (Schwanzlurche) 246 Anura (Froschlurche) 252 Ranoidei 264 Pipoidea 264 Pelabatoidea 265 Neobatrachia 266 Firmisternia (Ranoidea) 268 Amniota 269 Sauropsida 274 Chelonia (Schildkröten) 282 Pleurodira 288 Cryptodira 290 Procoelocryptodira 291 Chelonoidea 291 Trionychoidea 292 Testudinoidea 294 Lepidosauria 296 Rhynchocephalia (Brückenechsen) 297 Squamata (Schuppenkriechtiere) 299 Iguania 303 Acrodonta 304 Scleroglossa 304 Gekkota 305 Autarchoglossa 306 Scincomorpha (incl. Amphisbaenidae) 306 Anguimorpha 312 »Anguidea« 312 Varanoidea (Platynota) 313 Serpentes 314 Scolecodphidia 320 Aletinophidia 323 »Anilioidea« 324 Macrostomata 326 Caenophidia 328 Colubroidea 330
--	--

Amniota ↑	Archosauria	333
	– Crocodylia (Krokodile)	335
	– Aves (Vögel)	340
	– Palaeognathae	355
	– Crypturi	358
	– Ratitae	358
	– Apteryges	359
	– Struthiones	359
	– Struthioni	360
	– Neognathae	360
	– Galloanseres	365
	– Galli	366
	– Anseriformes	367
	– Anhimae	368
	– Anseres	368
	– Neoaves	369
	– Pygopodes	370
	– Gaviae	371
	– Podicipedes	371
	– Sphenisci	372
	– Tubinares	375
	– Steganopodes	376
	– Ciconiiformes	379
	– Falconiformes	380
	– Accipitres	382
	– Gruiformes + Ardeidae + Charadriiformes	383
	– Gruiformes	383
	– Rhynochetoidea	384
	– Gruoidea	385
	– Ralloidea	386
	– Charadriiformes	389
	– Scolopaci	389
	– Charadrii	391
	– Pteroclocolumbae	394
	– Pterocles	395
	– Columbae	396
	– Charadioidea	398
	– Chionoidea	400
	– Burhinoidea	400
	– Alcae	401
	– Opisthomomi	402
	– Musophagi	403
	– Cuculi	403
	– Psittaci	404
	– Colii	407
	– Striges	407
	– Strisores	410
	– Caprimulgji	410
	– Caprimulgoidea	412
	– Macrochires	415
	– Coraciiformes	420
	– Trogones	420
	– Coraciae	422
	– Upupiformes	423
← Mammalia	– Picopasserines	
	– Alcedinides	
	–	

Amniota →	
Neaves → 	Alcedinides 425
	- Halcyones 426
	- Momoti 426
	- Todi 427
	- Meropes 428
	- Picopasserines 428
	- Piciformes 429
	- Galbulae 431
	- Pici 432
	- Passeres 436
- Clamatores 440	
- Eurylaimi 440	
- Pittoidea 441	
- Tracheophoni, Furnarii 441	
- Tyranni 442	
- Diacromyodae 443	
- Suboscines, Menuriae 444	
- Oscines 444	
- Mammalia (Säugetiere) 446	
- Monotremata (Kloakentiere) 458	
- Theria 465	
- Marsupialia (Beuteltiere) 470	
- Ameridelphia 471	
- Australidelphia 475	
- Dromiciopsia 475	
- Dasyuromorphia 475	
- Syndactyla 477	
- Diprotodontia 477	
- Vombatoidea 478	
- Phalangerida 478	
- Placentalia 480	
- Edentata 481	
- Xenarthra 481	
- Pholidota 489	
- Epitheria 491	
- Insectivora 491	
- Erinacomorpha 494	
- Soricomorpha 495	
- Tubulidentata 498	
- Carnivora 499	
- Caniformia 501	
- Canoidea 501	
- Arctoidea 503	
- Ursida 504	
- Pinnipedia 505	
- Feliformia 508	
- Archonta 512	
- Volitantia 512	
- Dermoptera 513	
- Chiroptera 514	
- Macrochiroptera 518	
- Microchiroptera 518	
- Yinochiroptera 518	
- Yangochiroptera 521	
- Scandentia 524	

Eutheria	↑	Primates	525
Archonta	—	Strepsirhini	527
	Lemuriformes	528	
	Lorisiformes	530	
	Haplorrhini	531	
	Tarsiiformes	531	
	Anthroapoidea	533	
	Platyrrhini	533	
	Catarrhini	535	
	Hominoidea	536	
—	Glires + Macroscelidea	539	
	Macroscelidea	539	
	Glires	540	
	Lagomorpha	541	
	Rodentia	542	
	Sciuroidea	544	
	Myomorpha	545	
	Hystricomorpha	548	
	Hystricognathi	549	
—	Ungulata	555	
	Cetartiodactyla	557	
	Cetacea	558	
	Mystacoceti	563	
	Odontoceti	567	
	Artiodactyla	574	
	Bunodontia (Suina)	577	
	Selenodontia	579	
	Tylopoda	579	
	Ruminantia	580	
	Pecora	582	
	Cervoidea	585	
	Pantomesaxonia	587	
	Tethytheria	588	
	Proboscidea	588	
	Sirenia	591	
	Perissodactyla + Hyracoidea	594	
	Perissodactyla	595	
	Hyracoidea	598	
		603	
		637	
		639	
		660	