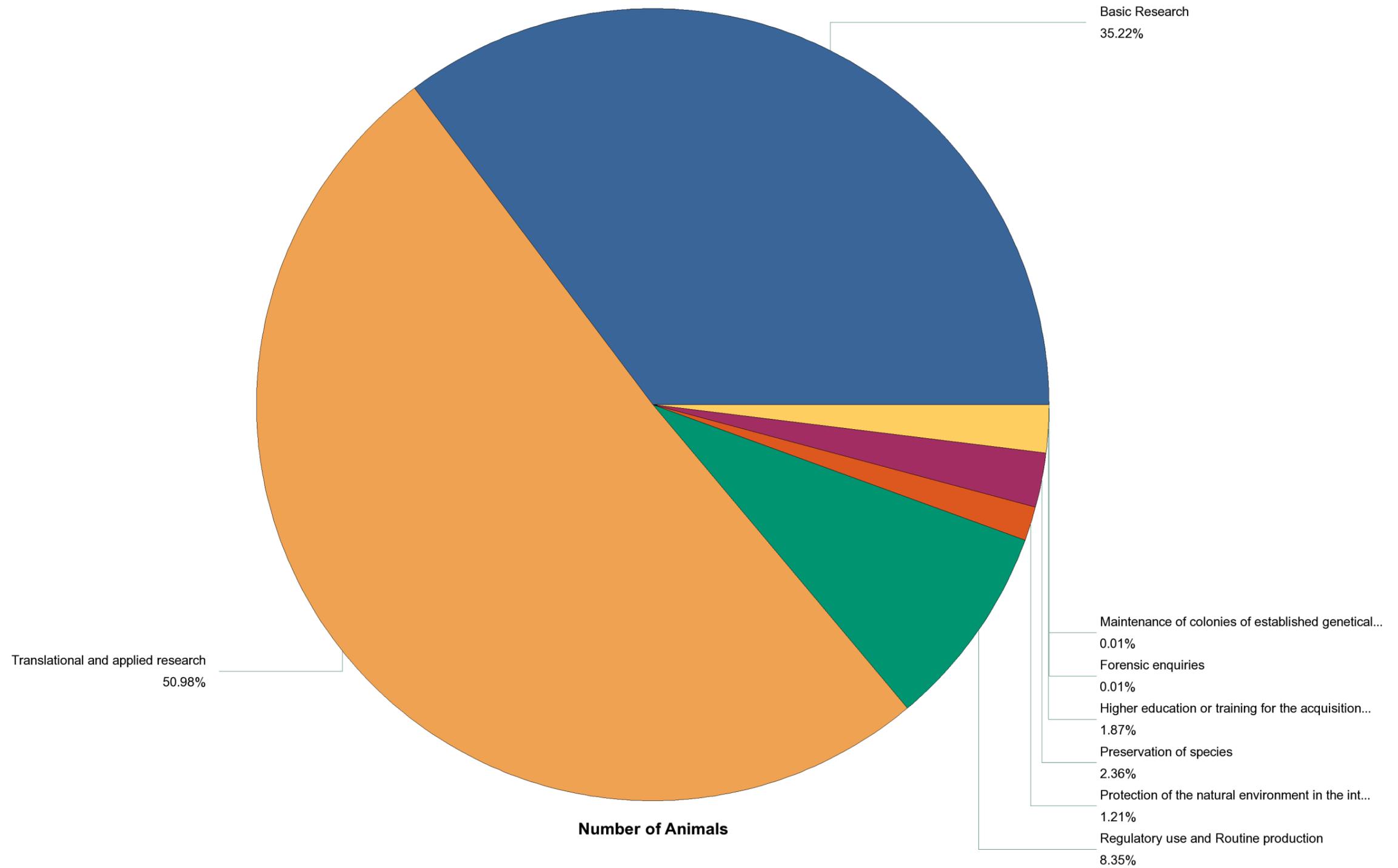
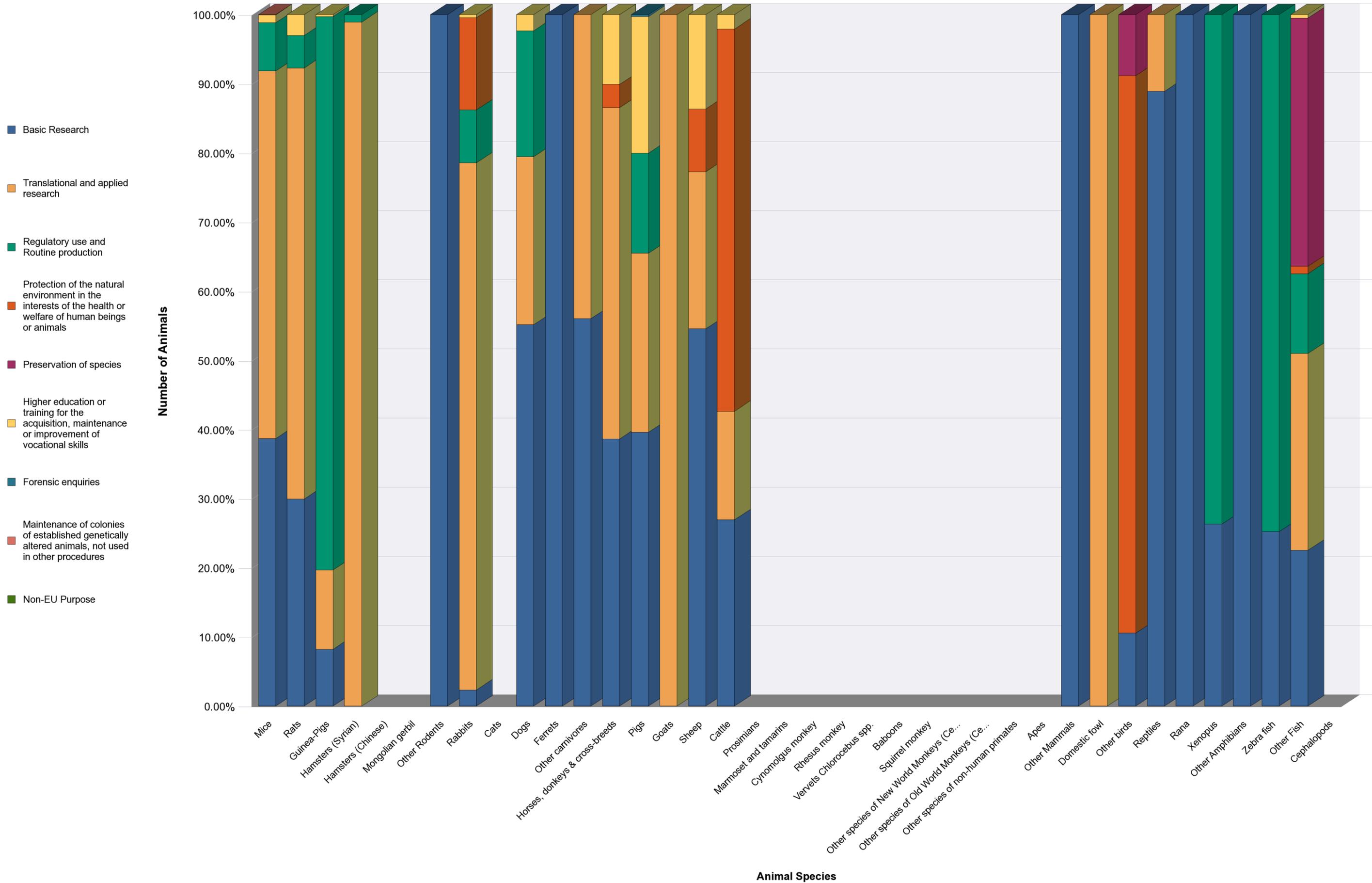


DP.C.1. Use of species in procedures by purposes

	Basic Research	Translational and applied research	Regulatory use and Routine production	Protection of the natural environment in the interests of the health or welfare of human beings or animals	Preservation of species	Higher education or training for the acquisition, maintenance or improvement of vocational skills	Forensic enquiries	Maintenance of colonies of established genetically altered animals, not used in other procedures	Non-EU Purpose	Total
Zebra fish	400		1,187							1,587
Other Fish	3,517	4,440	1,800	168	5,601	80				15,606
Cephalopods										
Total	84,006	121,595	19,916	2,875	5,637	4,463	16	29		238,537



DP.C.1. Use of species in procedures by purposes



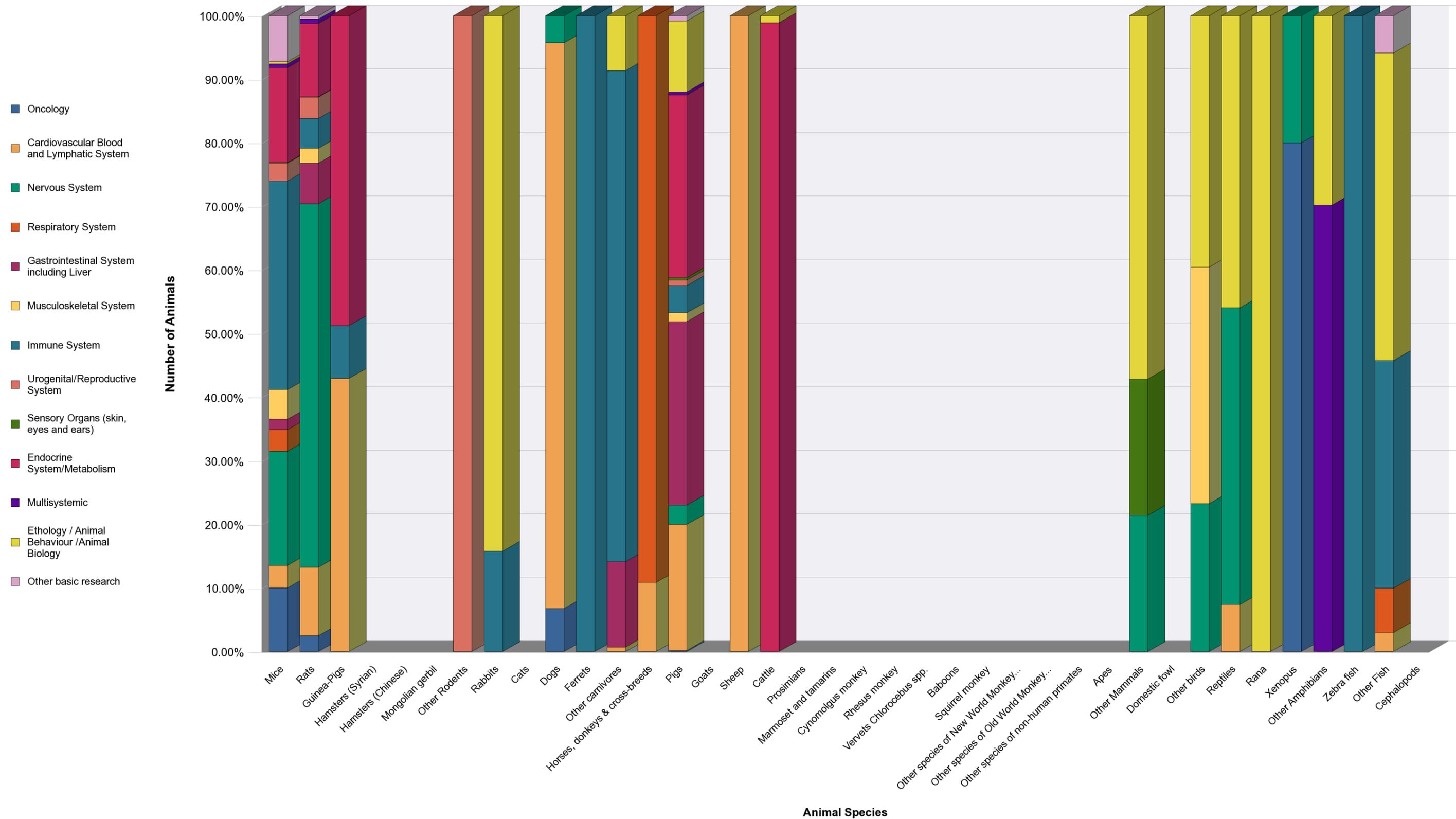
DP.C.1. Use of species in procedures by purposes

Basic research purposes

	Oncology	Cardiovascular Blood and Lymphatic System	Nervous System	Respiratory System	Gastrointestinal System including Liver	Musculoskeletal System	Immune System	Urogenital/ Reproductive System	Sensory Organs (skin, eyes and ears)	Endocrine System/ Metabolism	Multisystemic	Ethology / Animal Behaviour / Animal Biology	Other basic research	Total
Mice	6,370	2,264	11,437	2,158	1,029	2,960	20,886	1,808	57	9,518	363	210	4,596	63,656
Rats	285	1,242	6,589		738	271	538	389	4	1,331	78		62	11,527
Guinea-Pigs		104					20			118				242
Hamsters (Syrian)														
Hamsters (Chinese)														
Mongolian gerbil														
Other Rodents								3						3
Rabbits							9					48		57
Cats														
Dogs	8	105	5											118
Ferrets							4							4
Other carnivores		4			78		448					50		580
Horses, donkeys & cross-breeds		5		41										46
Pigs	4	470	72		684	33	102	20	10	681	11	265	19	2,371
Goats														
Sheep		36												36
Cattle										984		11		995
Prosimians														
Marmoset and tamarins														
Cynomolgus monkey														
Rhesus monkey														
Vervets Chlorocebus spp.														
Baboons														
Squirrel monkey														
Other species of New World Monkeys (Ceboidea)														
Other species of Old World Monkeys (Cercopithecoidea)														
Other species of non-human primates														
Apes														
Other Mammals			6						6			16		28
Domestic fowl														
Other birds			10			16						17		43
Reptiles		19	120									118		257
Rana												4		4
Xenopus	60		15											75
Other Amphibians											33	14		47
Zebra fish							400							400

DP.C.1. Use of species in procedures by purposes

	Oncology	Cardiovascular Blood and Lymphatic System	Nervous System	Respiratory System	Gastrointestinal System including Liver	Musculoskeletal System	Immune System	Urogenital/Reproductive System	Sensory Organs (skin, eyes and ears)	Endocrine System/Metabolism	Multisystemic	Ethology / Animal Behaviour / Animal Biology	Other basic research	Total
Other Fish		105		245			1,260					1,701	206	3,517
Cephalopods														
Total	6,727	4,354	18,254	2,444	2,529	3,280	23,667	2,220	77	12,632	485	2,454	4,883	84,006
%	8.01%	5.18%	21.73%	2.91%	3.01%	3.90%	28.17%	2.64%	0.09%	15.04%	0.58%	2.92%	5.81%	



DP.C.1. Use of species in procedures by purposes

DP.C.1. Use of species in procedures by purposes

	Human Cancer	Human Infectious Disorders	Human Cardiovascular Disorders	Human Nervous and Mental Disorders	Human Respiratory Disorders	Human Gastrointestinal Disorders including Liver	Human Musculoskeletal Disorders	Human Immune Disorders	Human Urogenital/Reproductive Disorders	Human Sensory Organ Disorders (skin, eyes and ears)	Human Endocrine/Metabolism Disorders	Other Human Disorders	Animal Diseases and Disorders	Animal Welfare	Diagnosis of diseases	Plant diseases	Non-regulatory toxicology and ecotoxicology	Total
Zebra fish																		
Other Fish													3,740	500	200			4,440
Cephalopods																		
Total	18,429	7,665	2,016	31,509	176	762	378	4,959	647	336	37,015	9,168	4,825	1,568	1,355		787	121,595
%	15.16%	6.30%	1.66%	25.91%	0.14%	0.63%	0.31%	4.08%	0.53%	0.28%	30.44%	7.54%	3.97%	1.29%	1.11%		0.65%	

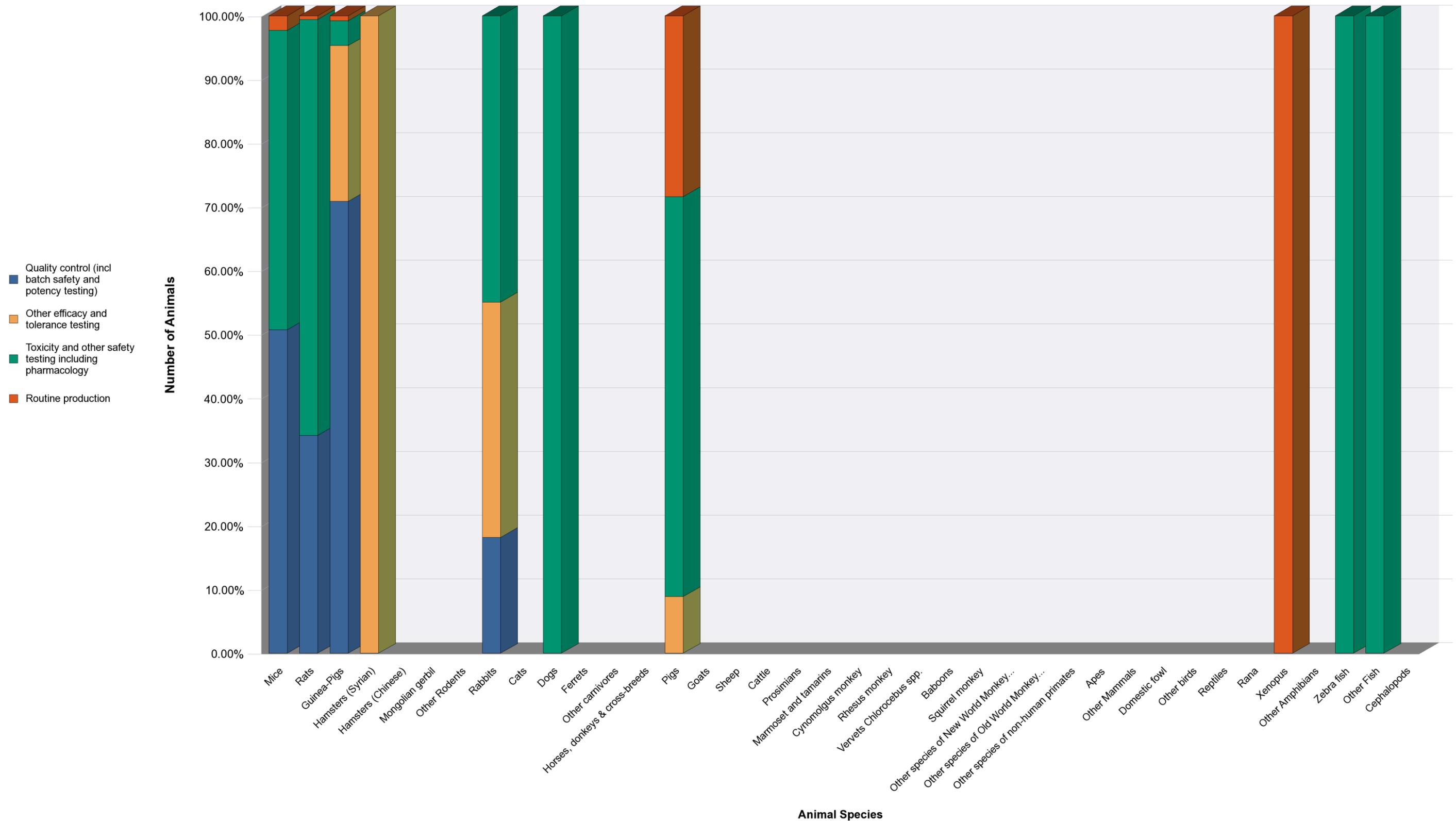
DP.C.1. Use of species in procedures by purposes

Regulatory use and routine production purposes

	Quality control (incl batch safety and potency testing)	Other efficacy and tolerance testing	Toxicity and other safety testing including pharmacology	Routine production	Total
Mice	5,812		5,379	260	11,451
Rats	620		1,183	10	1,813
Guinea-Pigs	1,673	576	92	18	2,359
Hamsters (Syrian)		3			3
Hamsters (Chinese)					
Mongolian gerbil					
Other Rodents					
Rabbits	34	69	84		187
Cats					
Dogs			39		39
Ferrets					
Other carnivores					
Horses, donkeys & cross-breeds					
Pigs		77	544	246	867
Goats					
Sheep					
Cattle					
Prosimians					
Marmoset and tamarins					
Cynomolgus monkey					
Rhesus monkey					
Vervets Chlorocebus spp.					
Baboons					
Squirrel monkey					
Other species of New World Monkeys (Ceboidea)					
Other species of Old World Monkeys (Cercopithecoidea)					
Other species of non-human primates					
Apes					
Other Mammals					
Domestic fowl					
Other birds					
Reptiles					
Rana					
Xenopus				210	210
Other Amphibians					
Zebra fish			1,187		1,187
Other Fish			1,800		1,800
Cephalopods					

DP.C.1. Use of species in procedures by purposes

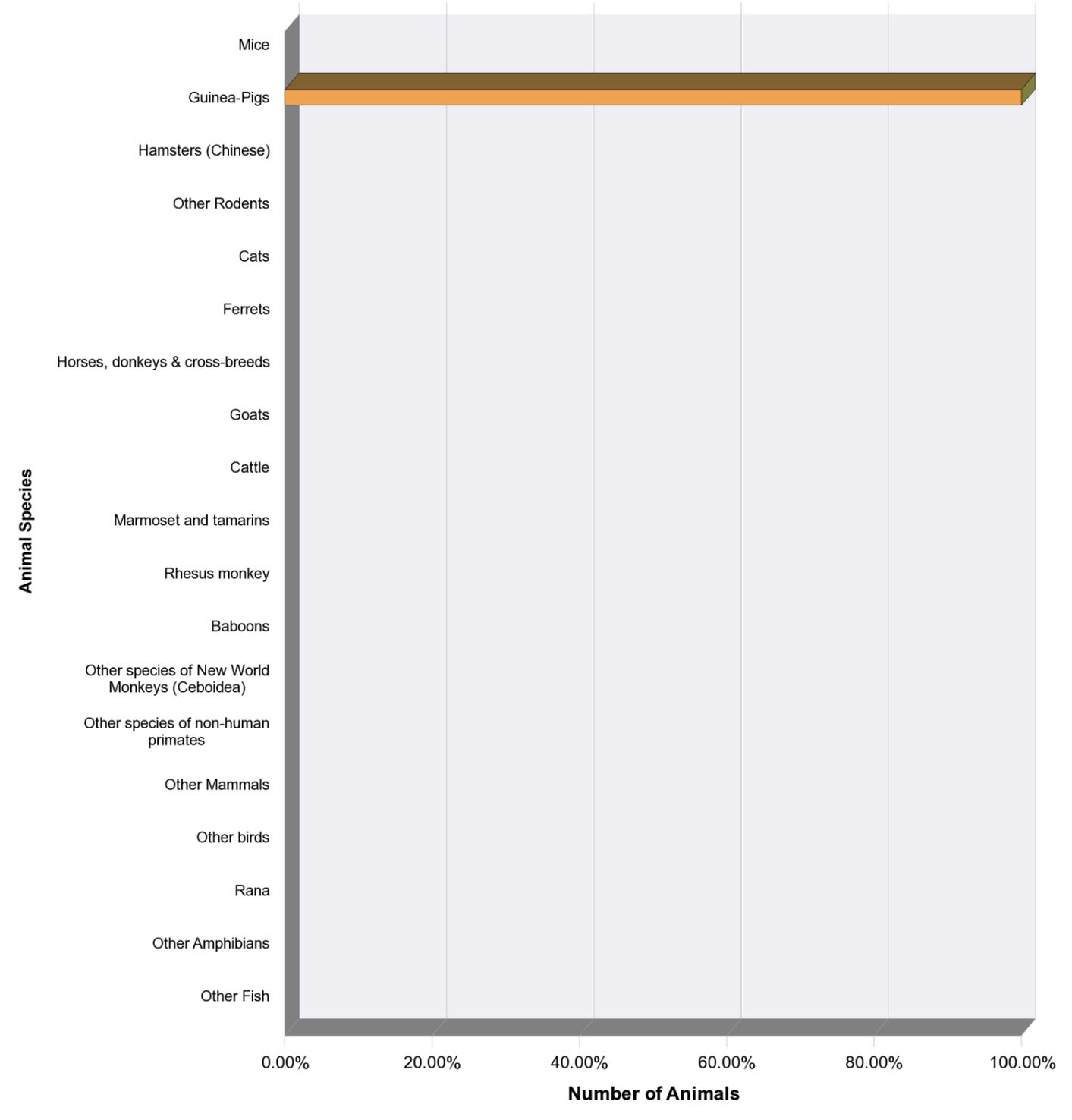
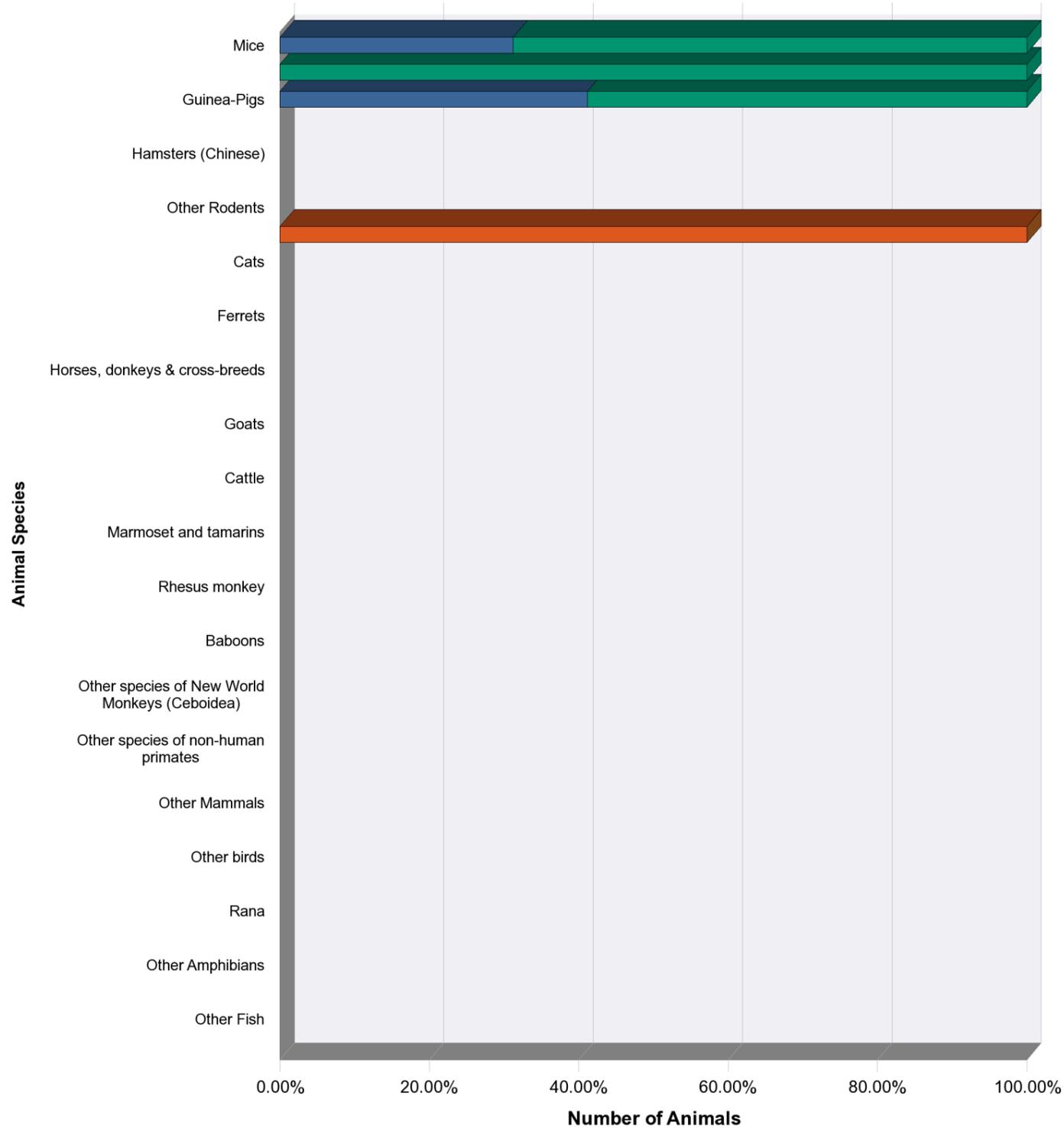
	Quality control (incl batch safety and potency testing)	Other efficacy and tolerance testing	Toxicity and other safety testing including pharmacology	Routine production	Total
Total	8,139	725	10,308	744	19,916
%	40.87%	3.64%	51.76%	3.74%	



DP.C.1. Use of species in procedures by purposes

	Batch safety testing	Pyrogenicity testing	Batch potency testing	Other quality controls	Total
Total	2,504		5,601	34	8,139
%	30.77%		68.82%	0.42%	

	Blood based products	Other product types	Total
Total	18	456	474
%	3.80%	96.20%	



Purpose

-
 Batch safety testing
-
 Pyrogenicity testing
-
 Batch potency testing
-
 Other quality controls

Purpose

-
 Other toxicity/safety testing
-
 Blood based products

DP.C.1. Use of species in procedures by purposes

	Acute and sub-acute	Skin irritation/corrosion	Skin sensitisation	Repeated dose toxicity	Carcinogenicity	Genotoxicity	Reproductive toxicity	Developmental toxicity	Neurotoxicity	Kinetics	Pharmacodynamics (incl safety pharmacology)	Phototoxicity	Ecotoxicity	Safety testing in food and feed area	Target animal safety	Eye irritation/corrosion	Other toxicity/safety testing	Total
Zebra fish							887						300					1,187
Other Fish													1,800					1,800
Cephalopods																		
Total	3,968	28	177	2,205			935			818	26		2,100				51	10,308
%	38.49%	0.27%	1.72%	21.39%			9.07%			7.94%	0.25%		20.37%				0.49%	

DP.C.1. Use of species in procedures by purposes

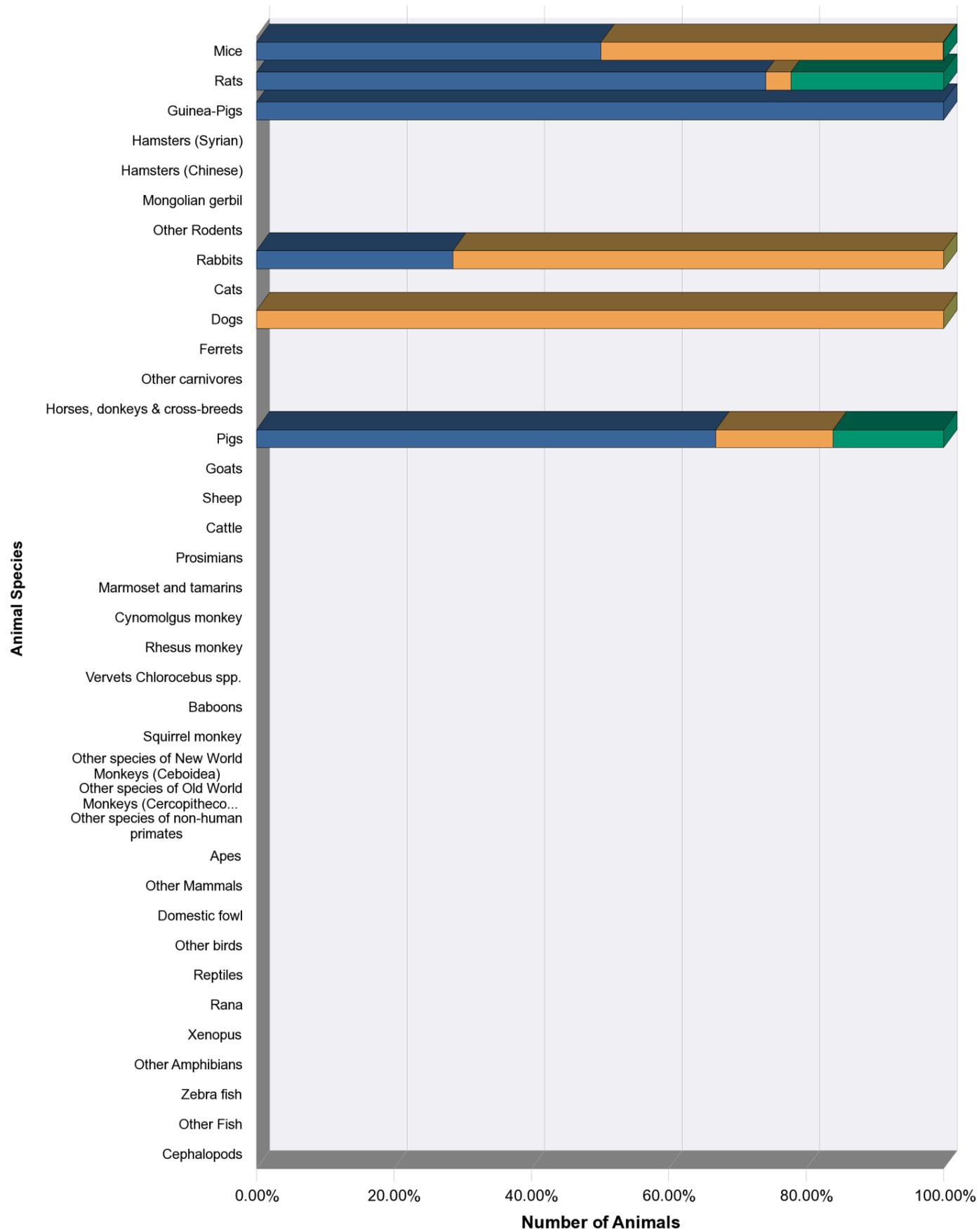
Repeated dose toxicity purposes

	up to 28 days	29 - 90 days	> 90 days	Total
Mice	460	457	1	918
Rats	673	33	202	908
Guinea-Pigs	92			92
Hamsters (Syrian)				
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits	16	40		56
Cats				
Dogs		20		20
Ferrets				
Other carnivores				
Horses, donkeys & cross-breeds				
Pigs	141	36	34	211
Goats				
Sheep				
Cattle				
Prosimians				
Marmoset and tamarins				
Cynomolgus monkey				
Rhesus monkey				
Vervets				
Chlorocebus spp.				
Baboons				
Squirrel monkey				
Other species of New World Monkeys (Ceboidea)				
Other species of Old World Monkeys (Cercopithecoidea)				
Other species of non-human primates				
Apes				
Other Mammals				
Domestic fowl				
Other birds				
Reptiles				
Rana				
Xenopus				
Other Amphibians				
Zebra fish				
Other Fish				
Cephalopods				
Total	1,382	586	237	2,205
%	62.68%	26.58%	10.75%	

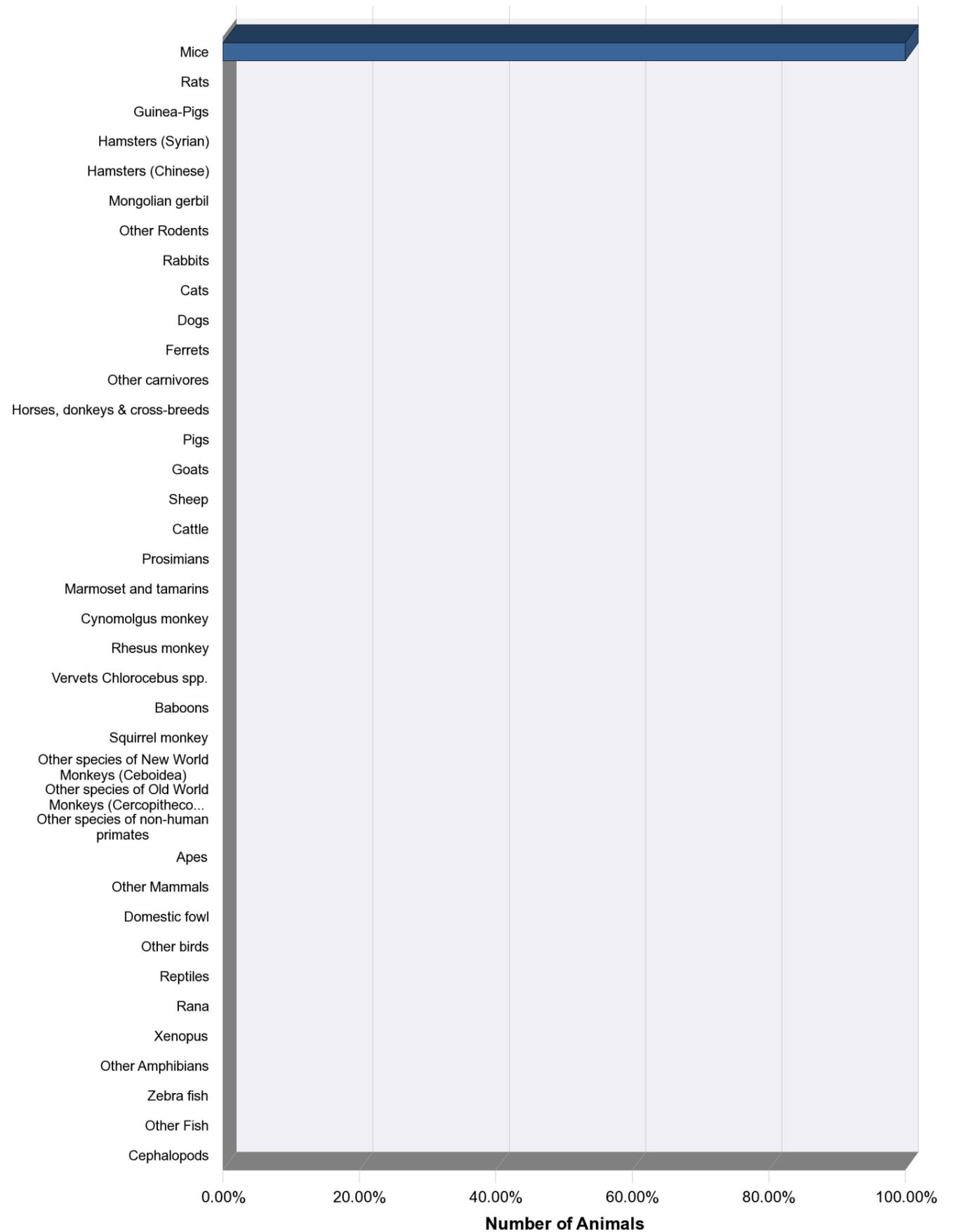
Acute and sub-acute toxicity testing methods

	LD50, LC50	Other lethal methods	Non lethal methods	Total
Mice		3,968		3,968
Rats				
Guinea-Pigs				
Hamsters (Syrian)				
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits				
Cats				
Dogs				
Ferrets				
Other carnivores				
Horses, donkeys & cross-breeds				
Pigs				
Goats				
Sheep				
Cattle				
Prosimians				
Marmoset and tamarins				
Cynomolgus monkey				
Rhesus monkey				
Vervets				
Chlorocebus spp.				
Baboons				
Squirrel monkey				
Other species of New World Monkeys (Ceboidea)				
Other species of Old World Monkeys (Cercopithecoidea)				
Other species of non-human primates				
Apes				
Other Mammals				
Domestic fowl				
Other birds				
Reptiles				
Rana				
Xenopus				
Other Amphibians				
Zebra fish				
Other Fish				
Cephalopods				
Total	3,968			3,968
%	100.00%			

DP.C.1. Use of species in procedures by purposes



■ up to 28 days ■ 29 - 90 days ■ > 90 days



■ LD50, LC50 ■ Other lethal methods ■ Non lethal methods

DP.C.1. Use of species in procedures by purposes

Ecotoxicity purposes

	Acute toxicity	Chronic toxicity	Reproductive ecotoxicity	Endocrine activity	Bioaccumulation	Other ecotoxicity	Total
Mice							
Rats							
Guinea-Pigs							
Hamsters (Syrian)							
Hamsters (Chinese)							
Mongolian gerbil							
Other Rodents							
Rabbits							
Cats							
Dogs							
Ferrets							
Other carnivores							
Horses, donkeys & cross-breeds							
Pigs							
Goats							
Sheep							
Cattle							
Prosimians							
Marmoset and tamarins							
Cynomolgus monkey							
Rhesus monkey							
Vervets Chlorocebus spp.							
Baboons							
Squirrel monkey							
Other species of New World Monkeys (Ceboidea)							
Other species of Old World Monkeys (Cercopithecoidea)							
Other species of non-human primates							
Apes							
Other Mammals							
Domestic fowl							
Other birds							
Reptiles							
Rana							
Xenopus							
Other Amphibians							
Zebra fish	120					180	300
Other Fish		1,800					1,800
Cephalopods							
Total	120	1,800				180	2,100
%	5.71%	85.71%				8.57%	

