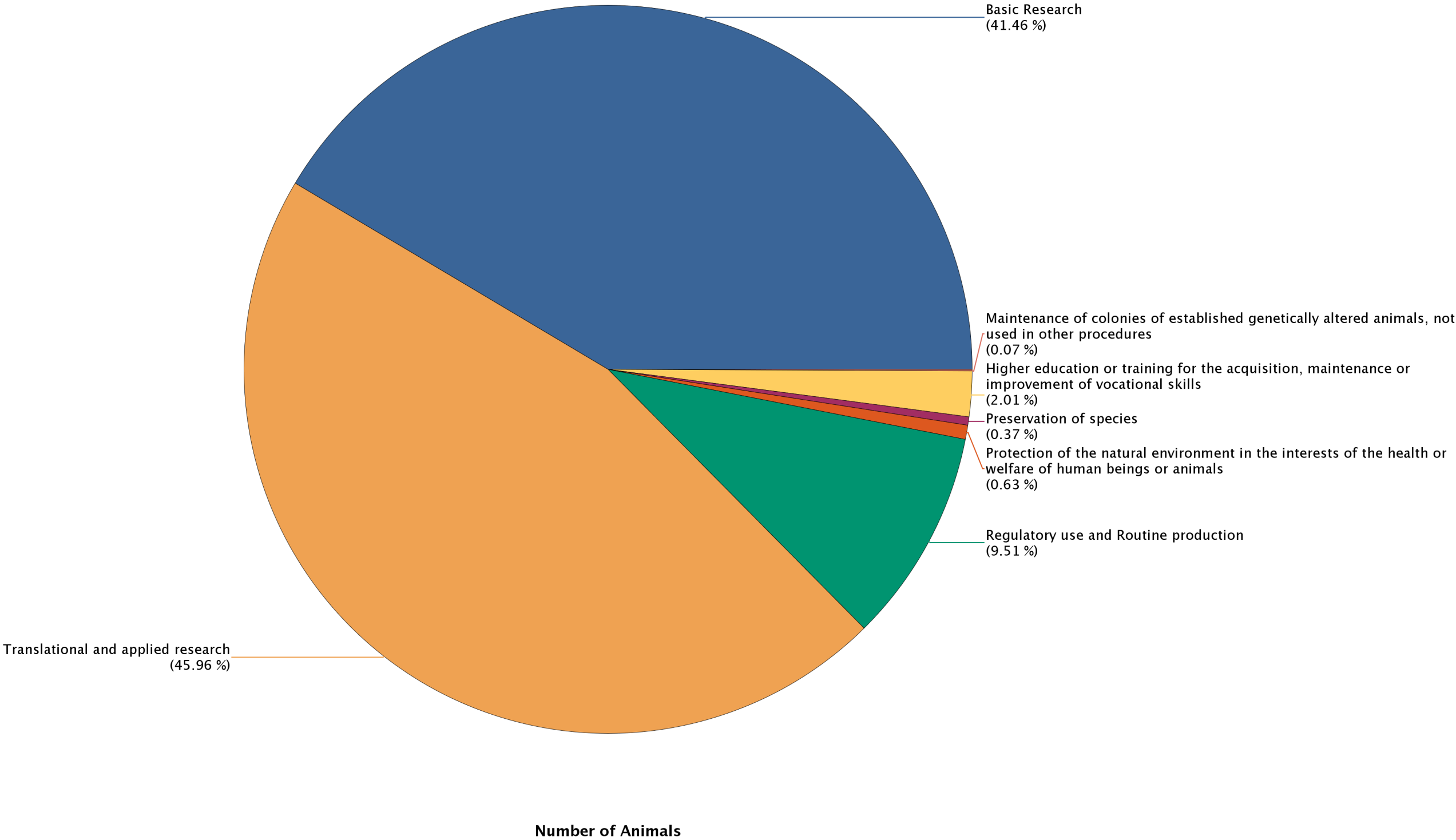


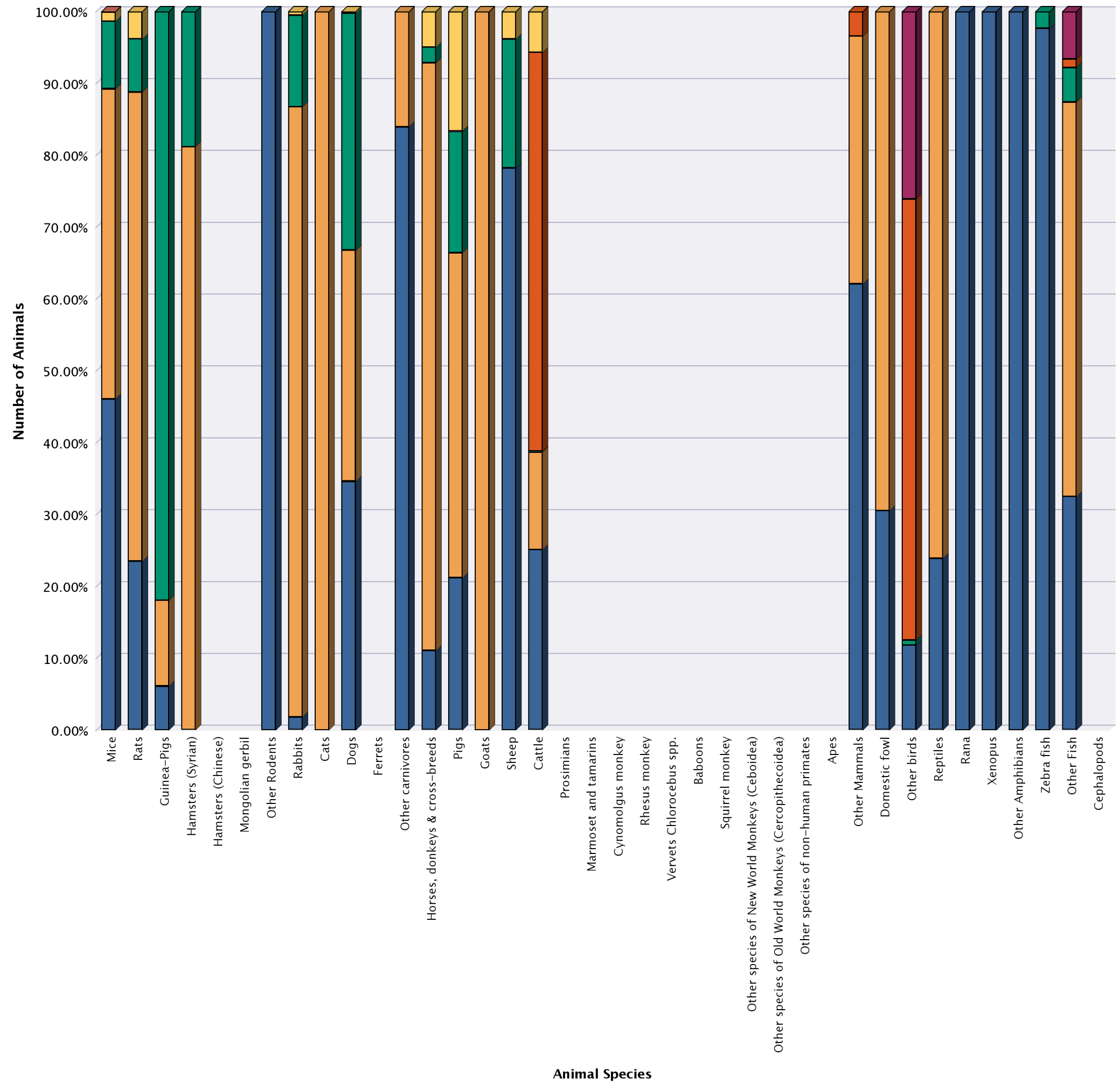
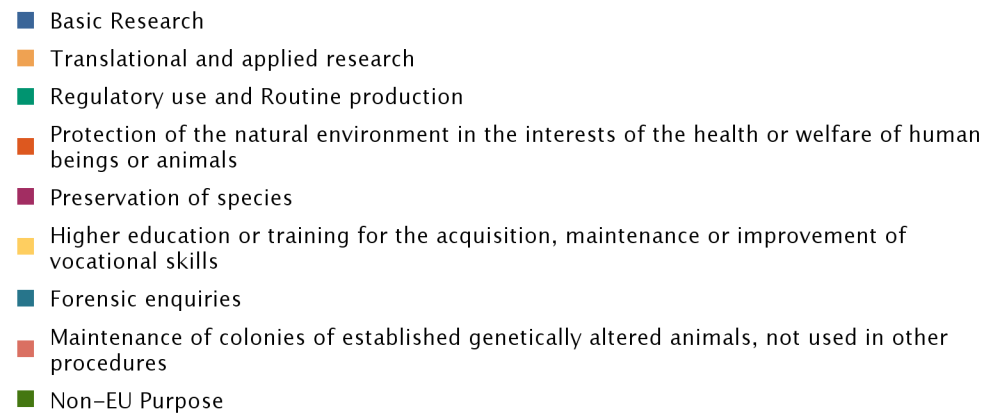


DP.C.1. Use of species in procedures by purposes

	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	2,614		63							2,677
Other Fish	3,862	6,524	571	144	787					11,888
Cephalopods										
Total	105,655	117,116	24,225	1,598	943	5,132		179		254,848



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

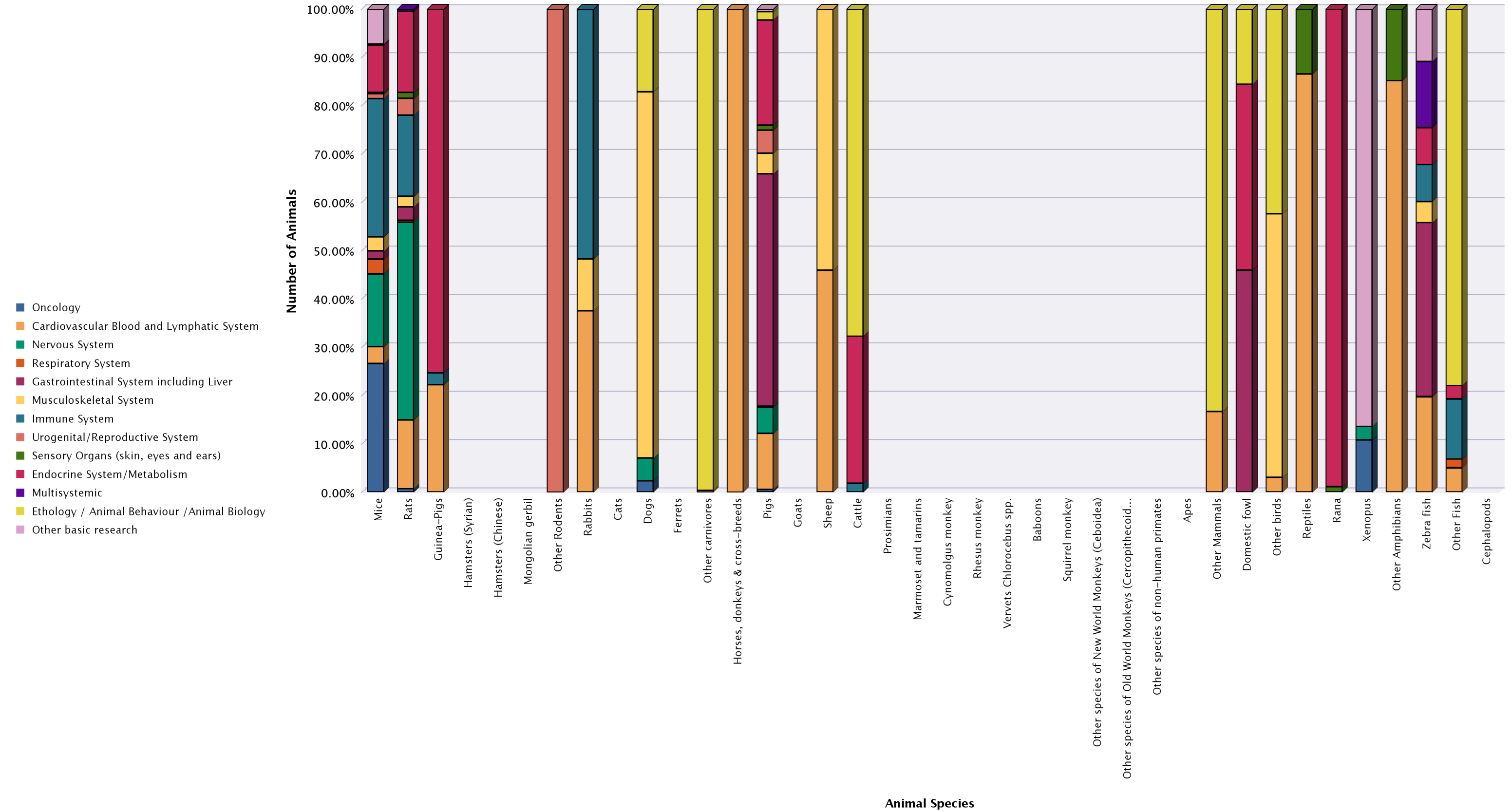


DP.C.1. Use of species in procedures by purposes

Basic research purposes														
	Oncology	Cardiovascular Blood and Lymphatic System	Nervous System	Respiratory System	Gastrointestin al System including Liver	Musculoskelet al 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	21,787	2,878	12,317	2,501	1,398	2,390	23,407	844	249	8,037	171	19	5,954	81,952
Rats	62	1,245	3,577	32	244	190	1,469	304	107	1,474	44			8,748
Guinea-Pigs		36					4			122				162
Hamsters (Syrian)														
Hamsters (Chinese)														
Mongolian gerbil														
Other Rodents								13						13
Rabbits		21				6	29							56
Cats														
Dogs	3		6			97						22		128
Ferrets														
Other carnivores		10										2,799		2,809
Horses, donkeys & cross-breeds		20												20
Pigs	8	188	87	4	778	69		77	17	352		28	10	1,618
Goats														
Sheep		28				33								61
Cattle							9			153		340		502
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 (Cercopithecoid ea)														
Other species of non-human primates														
Apes														
Other Mammals		3										15		18
Domestic fowl					320					268		109		697
Other birds		2				36						28		66
Reptiles		32							5					37
Rana									9	800				809
Xenopus	150		39										1,200	1,389
Other Amphibians		80							14					94
Zebra fish		515			942	114	200			200	358		285	2,614

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		193		71			480				108	3,010		3,862
Cephalopods														
Total	22,010	5,251	16,026	2,608	3,682	2,935	25,598	1,238	401	11,514	573	6,370	7,449	105,655
%	20.83%	4.97%	15.17%	2.47%	3.48%	2.78%	24.23%	1.17%	0.38%	10.90%	0.54%	6.03%	7.05%	



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

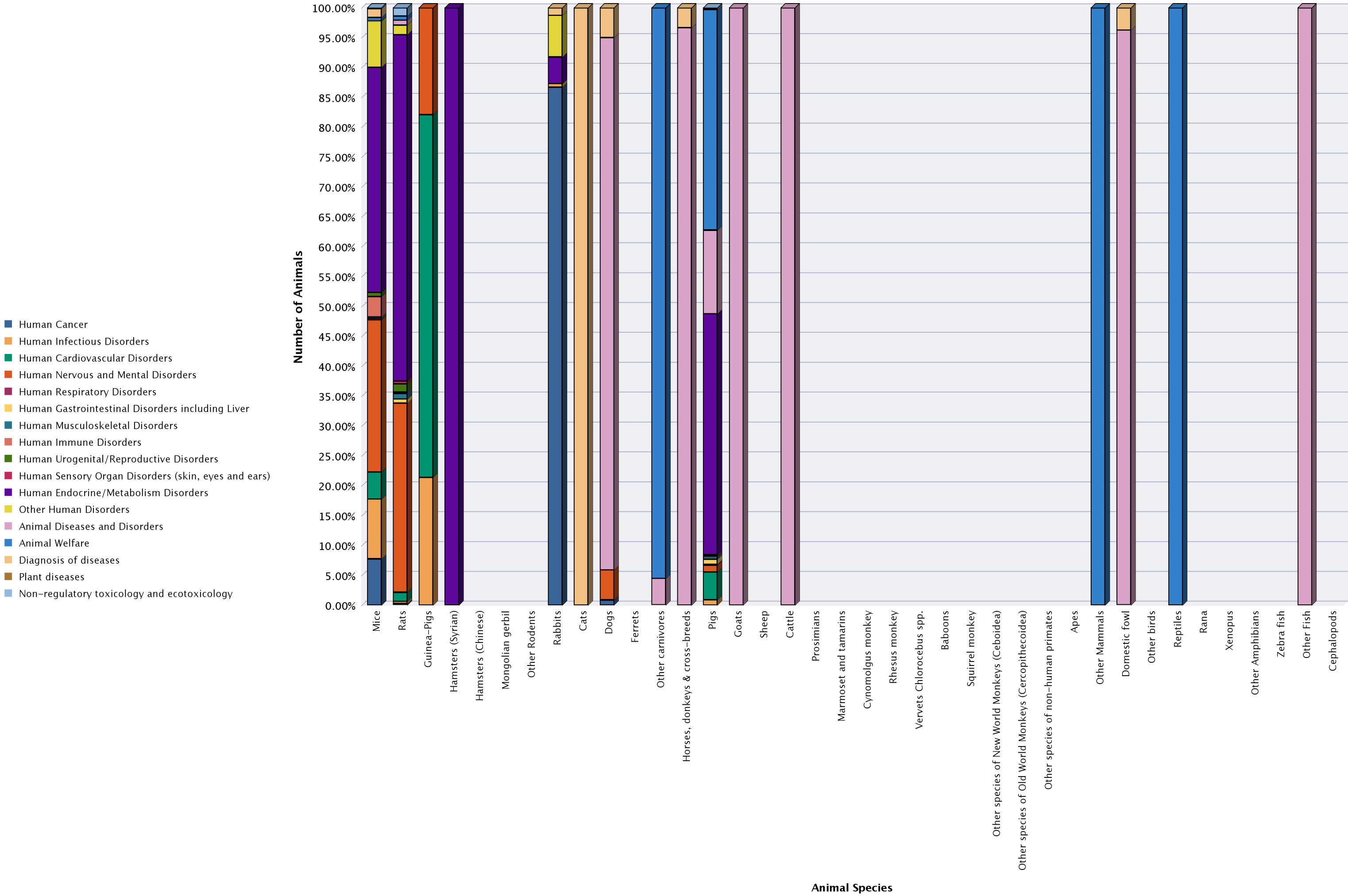
## Translational and applied research purposes

[illegible]

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
Other Amphibians																		
Zebra fish																		
Other Fish													6,524					6,524
Cephalopods																		
Total	8,285	7,899	4,200	27,344	48	303	458	2,678	904	126	44,747	6,537	9,314	2,516	1,231		526	117,116
%	7.07%	6.74%	3.59%	23.35%	0.04%	0.26%	0.39%	2.29%	0.77%	0.11%	38.21%	5.58%	7.95%	2.15%	1.05%		0.45%	

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

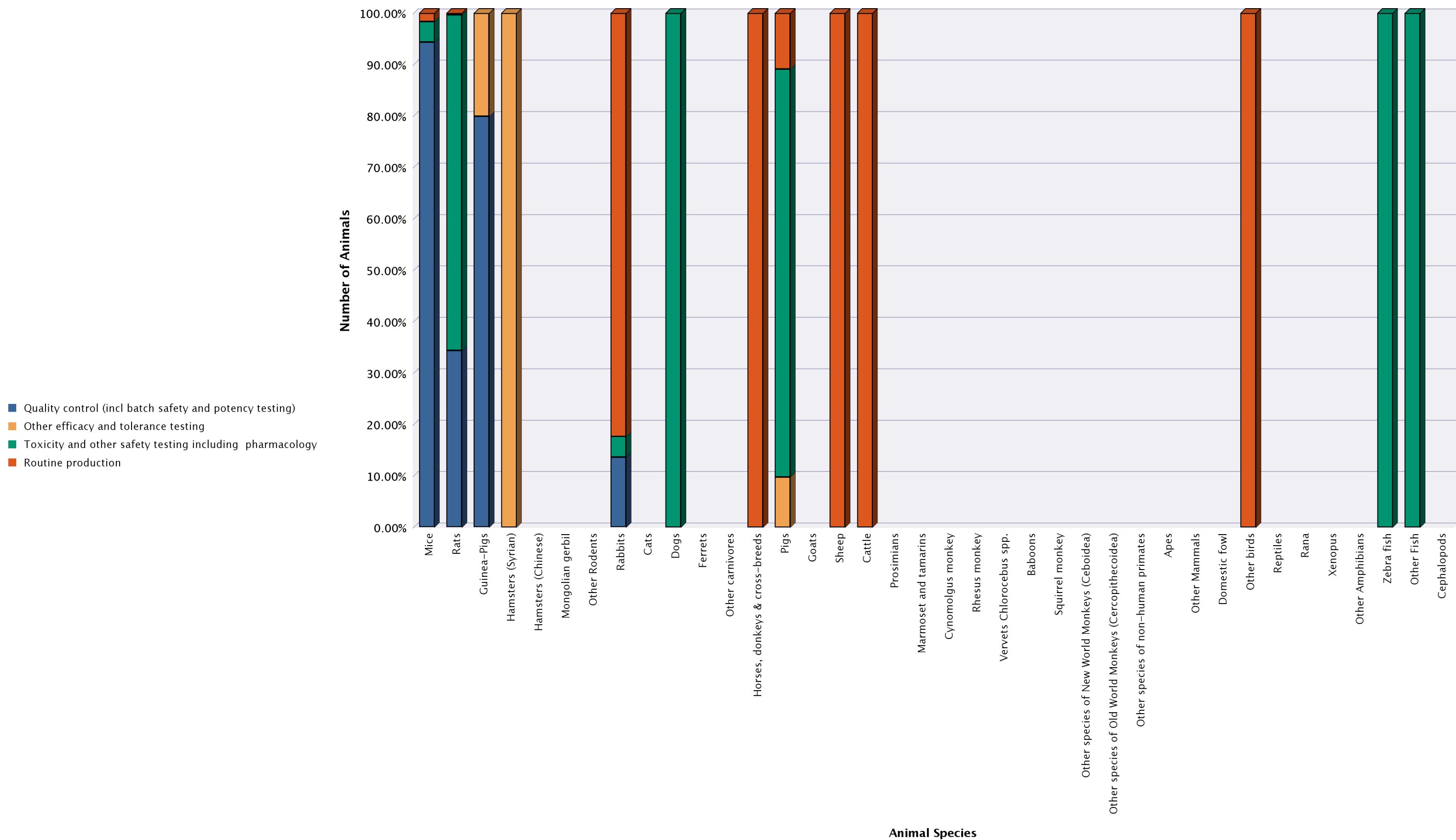




DP.C.1. Use of species in procedures by purposes

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	15,800		674	284	16,758
Rats	950		1,805	10	2,765
Guinea-Pigs	1,741	438			2,179
Hamsters (Syrian)		55			55
Hamsters (Chinese)					
Mongolian gerbil					
Other Rodents					
Rabbits	54		16	327	397
Cats					
Dogs			122		122
Ferrets					
Other carnivores					
Horses, donkeys & cross-breeds				4	4
Pigs		126	1,024	141	1,291
Goats					
Sheep				14	14
Cattle				2	2
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				4	4
Reptiles					
Rana					
Xenopus					
Other Amphibians					
Zebra fish			63		63
Other Fish			571		571
Cephalopods					
Total	18,545	619	4,275	786	24,225
%	76.55%	2.56%	17.65%	3.24%	

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



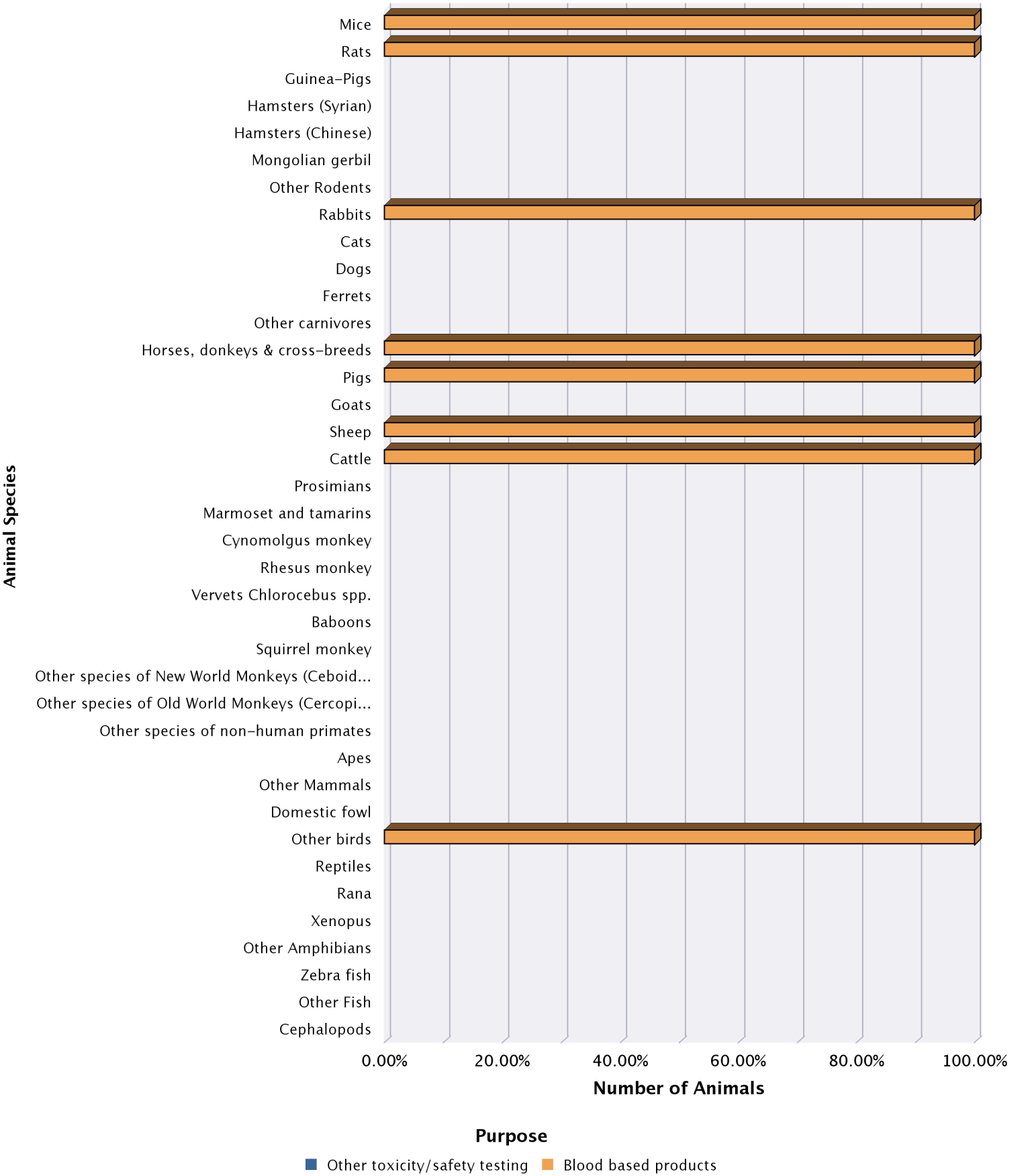
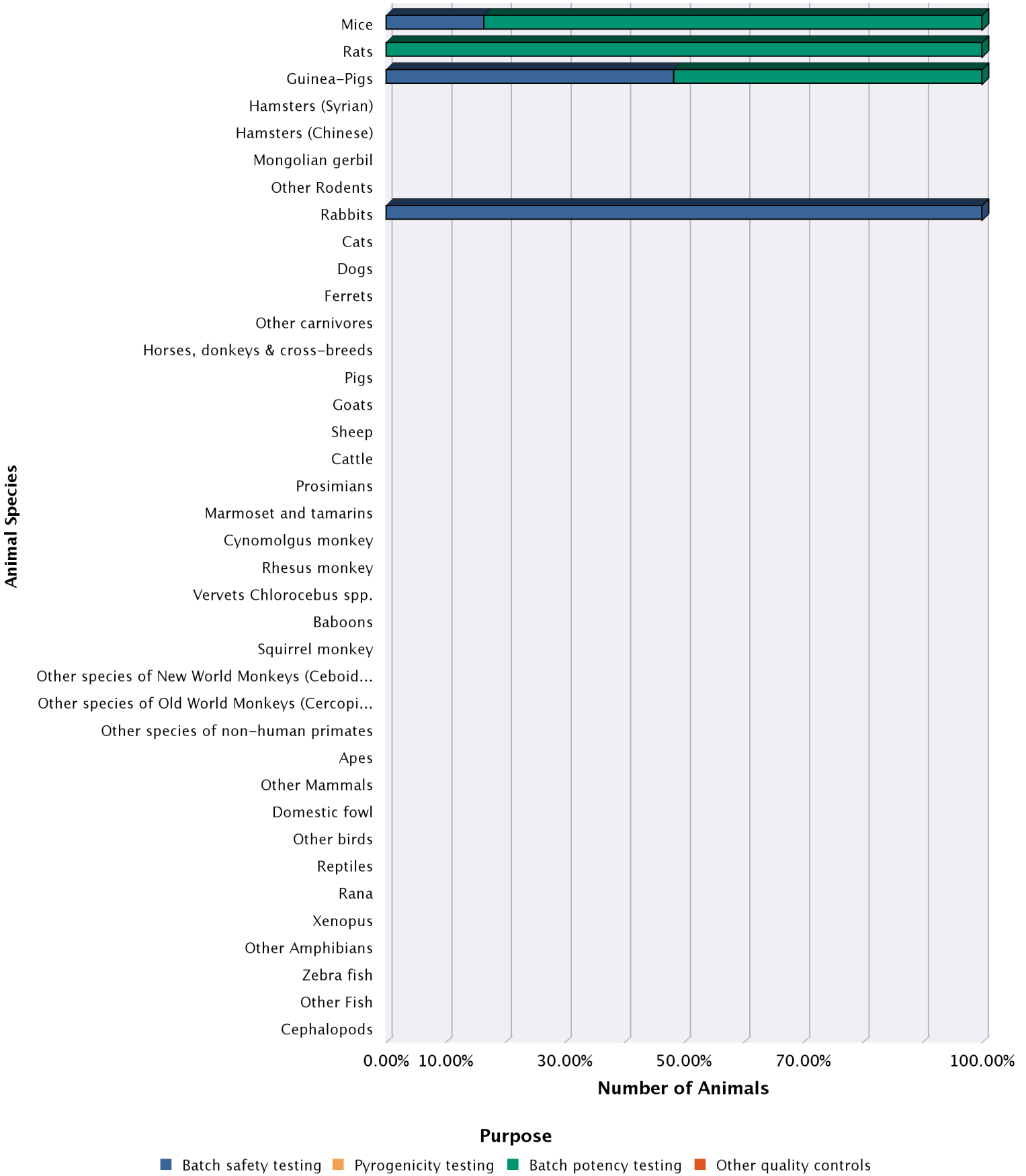
DP.C.1. Use of species in procedures by purposes

Quality control purposes						Routine production purposes			
	Batch safety testing	Pyrogenicity testing	Batch potency testing	Other quality controls	Total		Blood based products	Other product types	Total
Mice	2,591		13,209		15,800	Mice	284		284
Rats			950		950	Rats	10		10
Guinea-Pigs	839		902		1,741	Guinea-Pigs			
Hamsters (Syrian)						Hamsters (Syrian)			
Hamsters (Chinese)						Hamsters (Chinese)			
Mongolian gerbil						Mongolian gerbil			
Other Rodents						Other Rodents			
Rabbits	54				54	Rabbits	327		327
Cats						Cats			
Dogs						Dogs			
Ferrets						Ferrets			
Other carnivores						Other carnivores			
Horses, donkeys & cross-breeds						Horses, donkeys & cross-breeds	4		4
Pigs						Pigs	141		141
Goats						Goats			
Sheep						Sheep	14		14
Cattle						Cattle	2		2
Prosimians						Prosimians			
Marmoset and tamarins						Marmoset and tamarins			
Cynomolgus monkey						Cynomolgus monkey			
Rhesus monkey						Rhesus monkey			
Vervets Chlorocebus spp.						Vervets Chlorocebus spp.			
Baboons						Baboons			
Squirrel monkey						Squirrel monkey			
Other species of New World Monkeys (Ceboidea)						Other species of New World Monkeys (Ceboidea)			
Other species of Old World Monkeys (Cercopithecoid ea)						Other species of Old World Monkeys (Cercopithecoid ea)			
Other species of non-human primates						Other species of non-human primates			
Apes						Apes			
Other Mammals						Other Mammals			
Domestic fowl						Domestic fowl			
Other birds						Other birds	4		4
Reptiles						Reptiles			
Rana						Rana			
Xenopus						Xenopus			
Other Amphibians						Other Amphibians			
Zebra fish						Zebra fish			
Other Fish						Other Fish			
Cephalopods						Cephalopods			

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

	Batch safety testing	Pyrogenicity testing	Batch potency testing	Other quality controls	Total
Total	3,484		15,061		18,545
%	18.79%		81.21%		

	Blood based products	Other product types	Total
Total	786		786
%	100.00%		



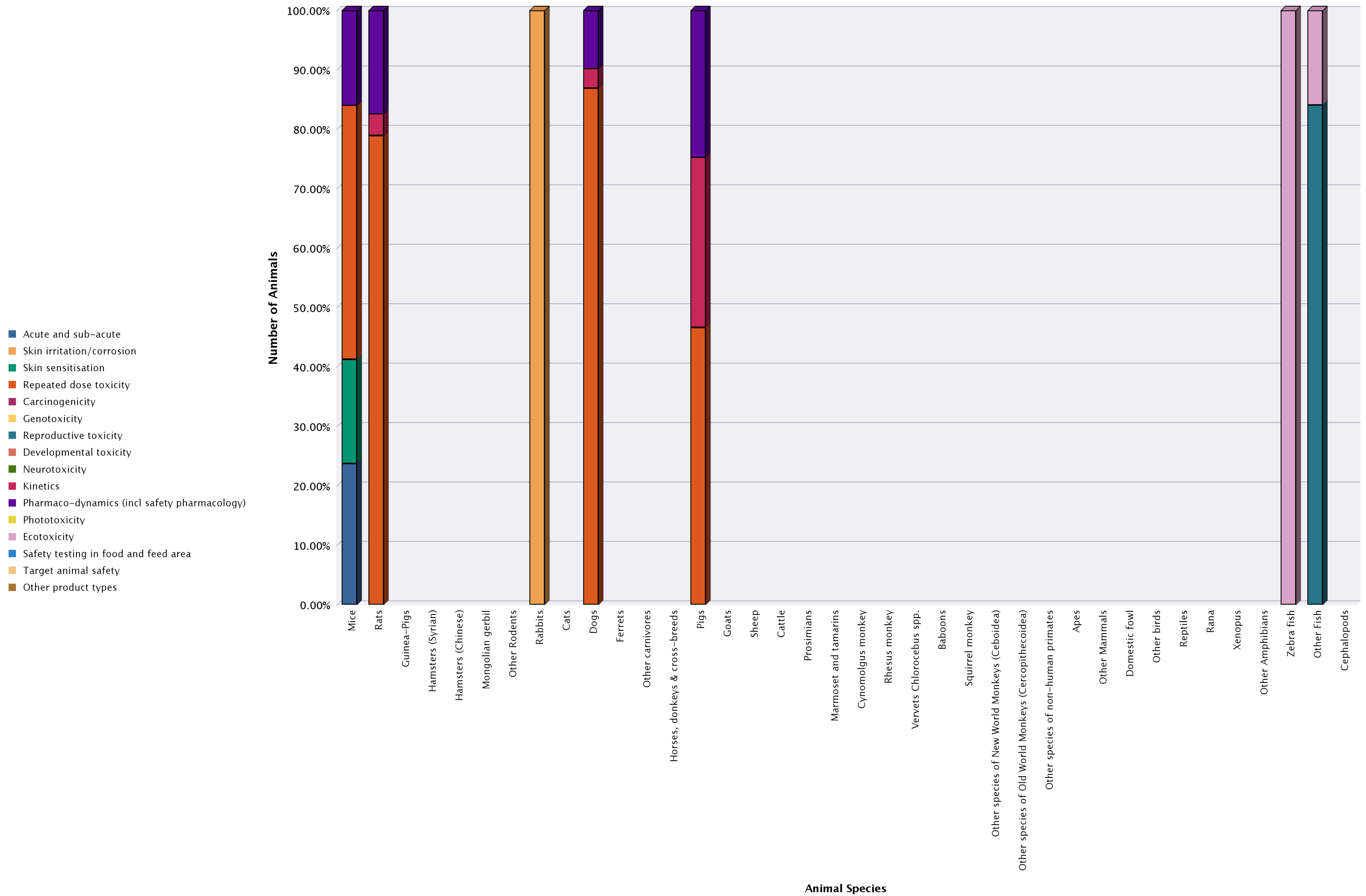
DP.C.1. Use of species in procedures by purposes

Toxicity and other safety testing by test type 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
Mice	160		118	288							108							674
Rats				1,424						66	315							1,805
Guinea-Pigs																		
Hamsters (Syrian)																		
Hamsters (Chinese)																		
Mongolian gerbil																		
Other Rodents																		
Rabbits		16																16
Cats																		
Dogs				106						4	12							122
Ferrets																		
Other carnivores																		
Horses, donkeys & cross-breeds																		
Pigs				474						291	252					7		1,024
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													63					63

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
Other Fish							480						91					571
Cephalopods																		
Total	160	16	118	2,292			480			361	687		154				7	4,275
%	3.74%	0.37%	2.76%	53.61%			11.23%			8.44%	16.07%		3.60%				0.16%	

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



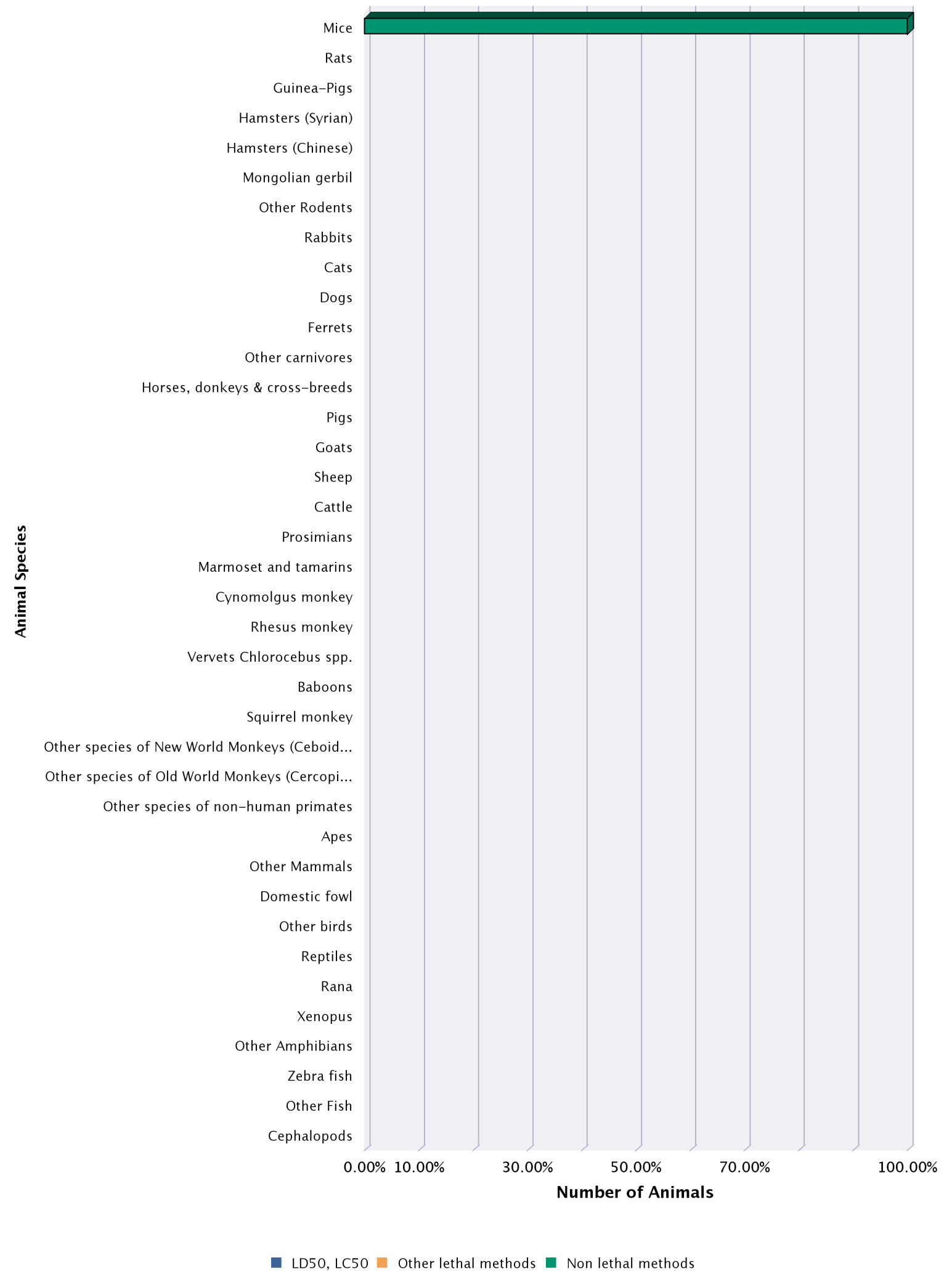
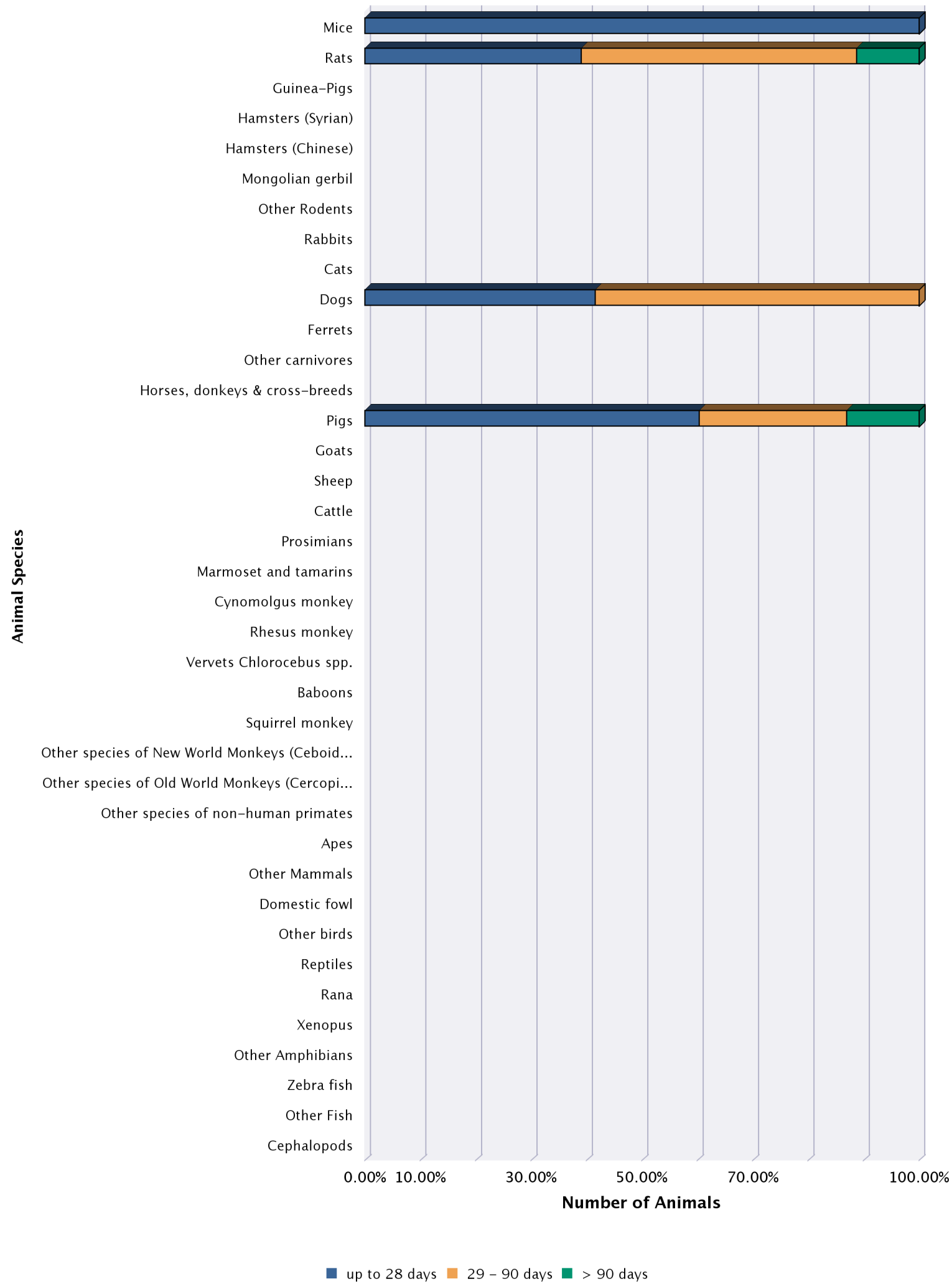
DP.C.1. Use of species in procedures by purposes

Repeated dose toxicity purposes				
	up to 28 days	29 - 90 days	> 90 days	Total
Mice	288			288
Rats	556	707	161	1,424
Guinea-Pigs				
Hamsters (Syrian)				
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits				
Cats				
Dogs	44	62		106
Ferrets				
Other carnivores				
Horses, donkeys & cross-breeds				
Pigs	286	126	62	474
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	1,174	895	223	2,292
%	51.22%	39.05%	9.73%	

Acute and sub-acute toxicity testing methods				
	LD50, LC50	Other lethal methods	Non lethal methods	Total
Mice			160	160
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			160	160
%			100.00%	



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



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	63						63
Other Fish	91						91
Cephalopods							
Total	154						154
%	100.00%						

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

