

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

Data inclusion criteria

Report year: 2016

Country: Denmark

EU Submission: ALL

Genetic status: ALL

Animal Species: ALL

Species grouping Level 1: ALL

Species grouping Level 2: ALL

Mammals: ALL

Non-human primates: ALL

Submission Id: ALL

Id 1: ALL

Id 2: ALL

Id 3: ALL

Narrative

This report shows the number of uses of animals by each species and the purposes for which they were used. A number of purposes are also sub-divided to give more detail. Please see a listing and details of all categories of purposes in the Commission Implementing Decision 2012/707/EU

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02012D0707-20140115>

It shows both the first and all the subsequent uses of the animals completed in the reporting period (unless either option is specifically excluded in the data filtering criteria when selecting the report).

The Data Provider reports allow the creation of standard (public) reports

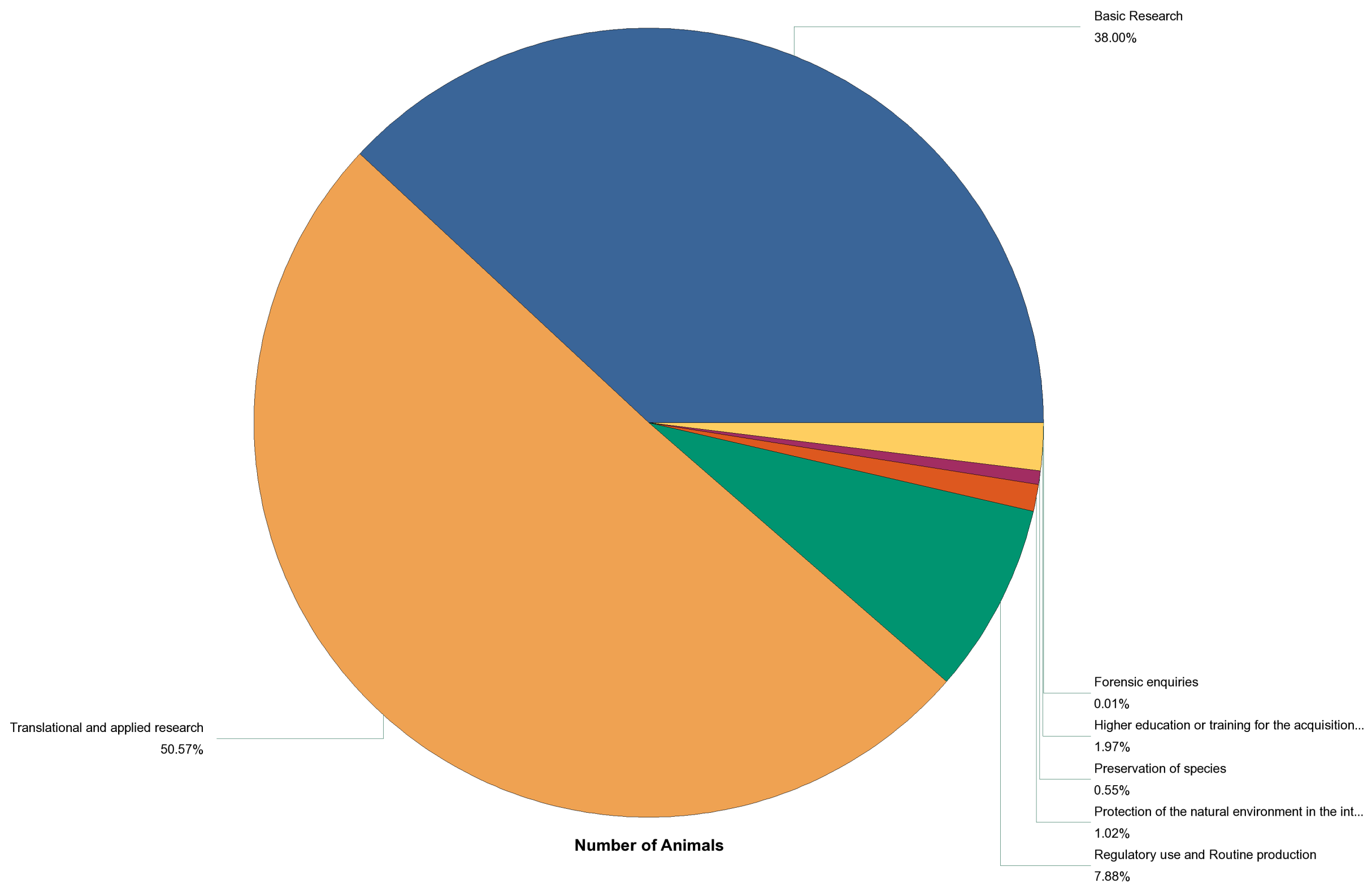
- before the reports are available for the general public (i.e. non-published data), and
- including information on non-EU submissions (as a default) i.e. Member State specific national data e.g. on animals killed for tissue/organs – unless specifically excluded in the data filtering criteria when selecting the report.

Data filtering criteria has been complemented with an option to filter data into the report also at the level of species groupings.

It should be remembered that by including one data filtering criterion, all others from that selection type are by default excluded. For example: if selecting "mouse" as the animal species, the data on the report will only show the results containing mice. However, if at the same time an incompatible selection is made e.g. selecting species grouping level 2 "birds" (excluding all other groups of species covering also "mammals" (including "mouse")), no data is shown in the report, as the two selections are incompatible.

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	250		3,058							3,308
Other Fish	26,883	18,663	1,470		1,491	84				48,591
Cephalopods										
Total	103,812	138,170	21,532	2,792	1,491	5,387	40			273,224



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	6,011	2,198	10,912	1,349	658	2,605	17,002	1,579	774	11,706	851	405	4,453	60,503
Rats	104	1,520	6,581		1,150	41	282	38	46	1,141	88	46	337	11,374
Guinea-Pigs		6								147				153
Hamsters (Syrian)														
Hamsters (Chinese)														
Mongolian gerbil														
Other Rodents								4						4
Rabbits									54					16
Cats										18				18
Dogs			20					4	1					25
Ferrets														
Other carnivores					30		273						84	387
Horses, donkeys & cross-breeds		17				5								22
Pigs	6	326	61	50	1,540	40	349	13	30	444	10	362	75	3,306
Goats														
Sheep		8				16								24
Cattle					4		36			66		126		232
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						2			44	3	55
Domestic fowl					122									122
Other birds						16						20		36
Reptiles		84	120							2		56		262
Rana														
Xenopus			47						9					56
Other Amphibians									22			8		30
Zebra fish							250							250

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													18,588				75	18,663
Cephalopods																		
Total	11,936	7,424	1,399	34,826	137	139	401	7,015	623	455	40,930	9,135	19,684	2,524	884		658	138,170
%	8.64%	5.37%	1.01%	25.21%	0.10%	0.10%	0.29%	5.08%	0.45%	0.33%	29.62%	6.61%	14.25%	1.83%	0.64%		0.48%	

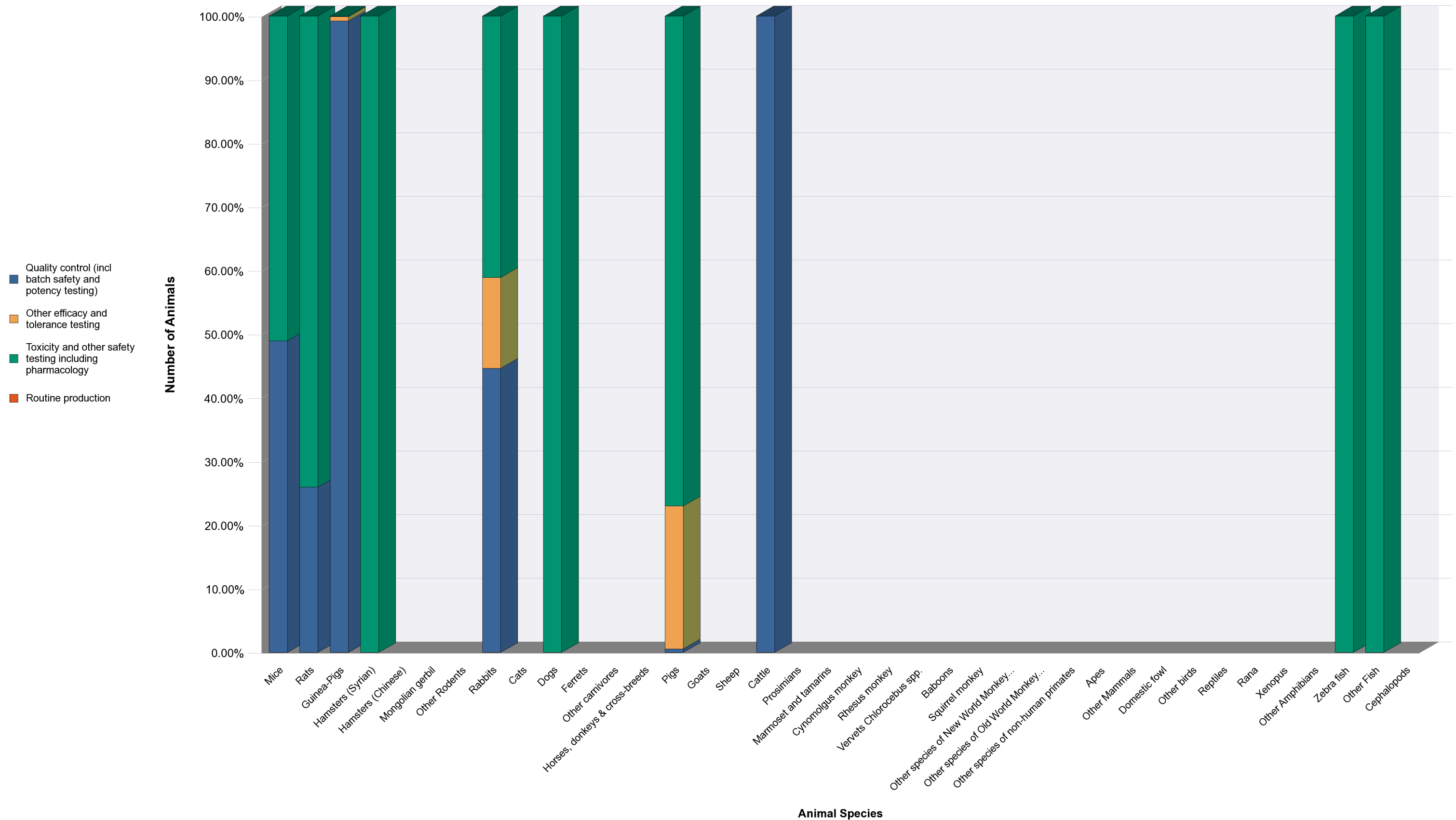
DP.C.1. Use of species in procedures by purposes

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	6,042		6,294		12,336
Rats	429		1,222		1,651
Guinea-Pigs	2,308	16	2		2,326
Hamsters (Syrian)			80		80
Hamsters (Chinese)					
Mongolian gerbil					
Other Rodents					
Rabbits	50	16	46		112
Cats					
Dogs			136		136
Ferrets					
Other carnivores					
Horses, donkeys & cross-breeds					
Pigs	2	81	278		361
Goats					
Sheep					
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					
Reptiles					
Rana					
Xenopus					
Other Amphibians					
Zebra fish			3,058		3,058
Other Fish			1,470		1,470
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	8,833		113	12,586	21,532
%	41.02%		0.52%	58.45%	



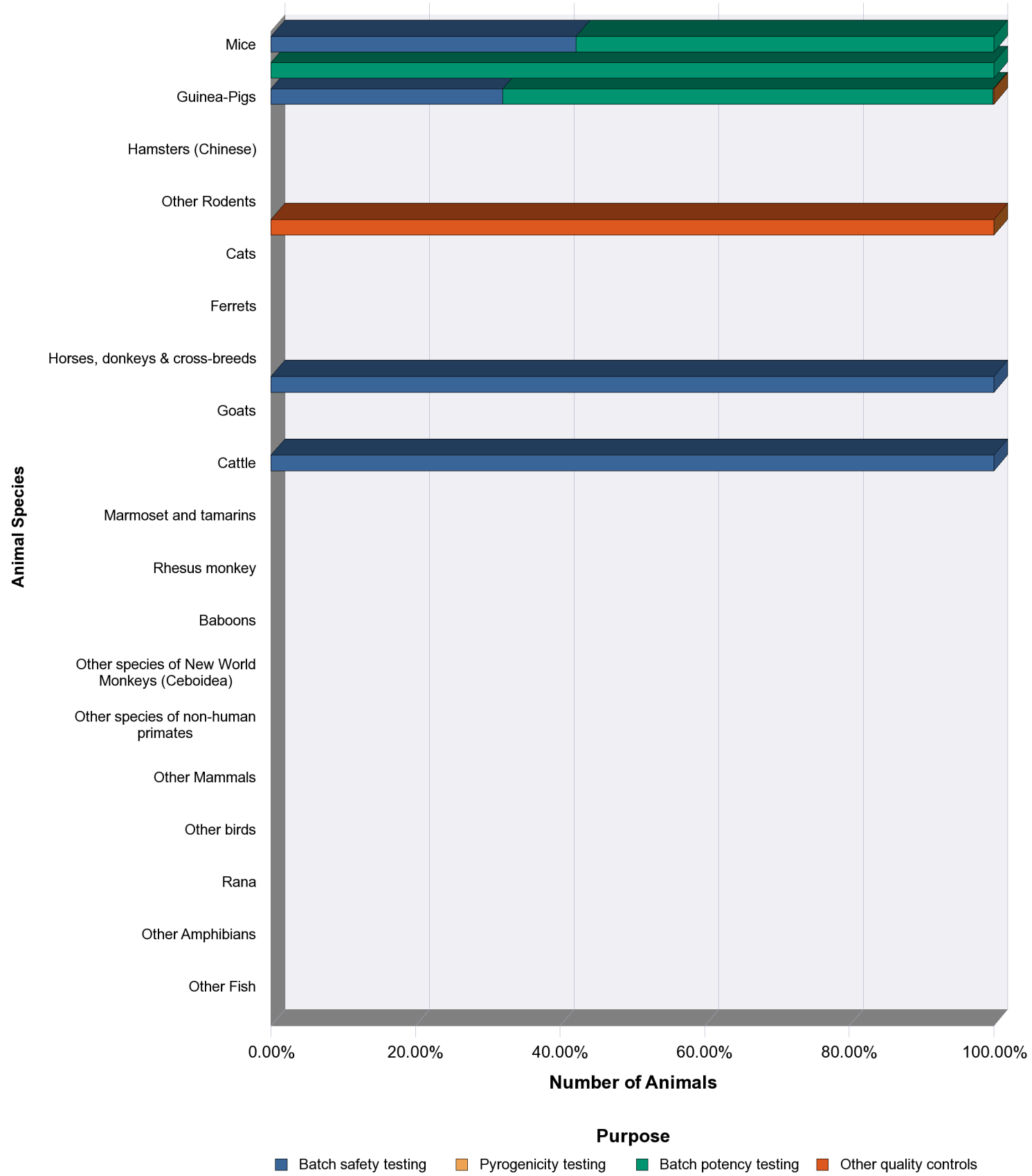
DP.C.1. Use of species in procedures by purposes

Quality control purposes					Routine production purposes					
	Batch safety testing	Pyrogenicity testing	Batch potency testing	Other quality controls	Total		Blood based products	Monoclonal antibodies	Other product types	Total
Mice	2,551		3,491		6,042	Mice				
Rats			429		429	Rats				
Guinea-Pigs	740		1,566	2	2,308	Guinea-Pigs				
Hamsters (Syrian)						Hamsters (Syrian)				
Hamsters (Chinese)						Hamsters (Chinese)				
Mongolian gerbil						Mongolian gerbil				
Other Rodents						Other Rodents				
Rabbits				50	50	Rabbits				
Cats						Cats				
Dogs						Dogs				
Ferrets						Ferrets				
Other carnivores						Other carnivores				
Horses, donkeys & cross-breeds						Horses, donkeys & cross-breeds				
Pigs	2				2	Pigs				
Goats						Goats				
Sheep						Sheep				
Cattle	2				2	Cattle				
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 (Cercopithecoidea)						Other species of Old World Monkeys (Cercopithecoidea)				
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				
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	3,295		5,486	52	8,833
%	37.30%		62.11%	0.59%	

	Blood based products	Monoclonal antibodies	Other product types	Total
Total				
%				



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													3,058					3,058
Other Fish													1,470					1,470
Cephalopods																		
Total	5,366	35	80	1,701						267	552		4,585					12,586
%	42.63%	0.28%	0.64%	13.52%						2.12%	4.39%		36.43%					

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

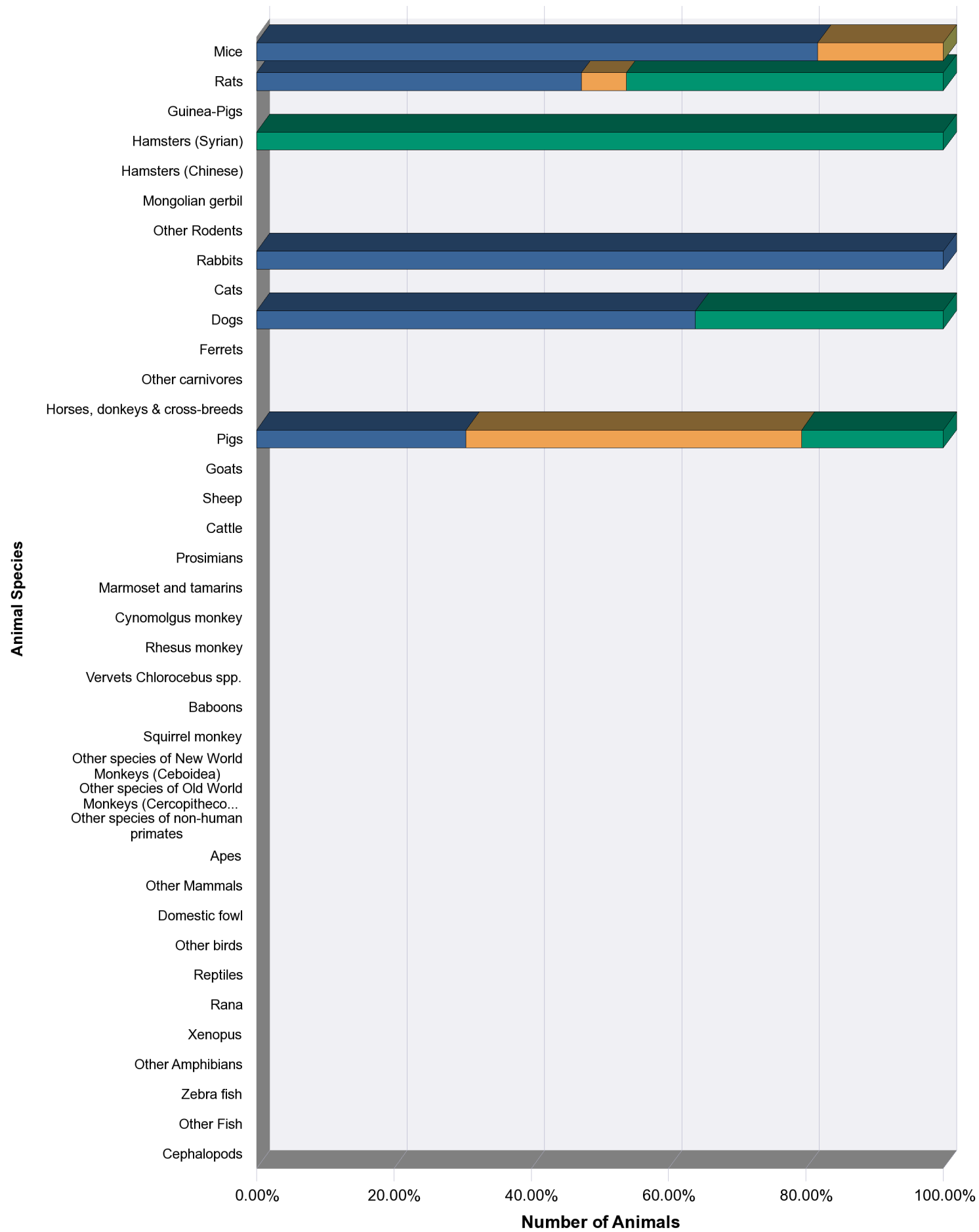
Repeated dose toxicity purposes

	up to 28 days	29 - 90 days	> 90 days	Total
Mice	268	60		328
Rats	472	65	460	997
Guinea-Pigs				
Hamsters (Syrian)			80	80
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits	11			11
Cats				
Dogs	46		26	72
Ferrets				
Other carnivores				
Horses, donkeys & cross-breeds				
Pigs	65	104	44	213
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	862	229	610	1,701
%	50.68%	13.46%	35.86%	

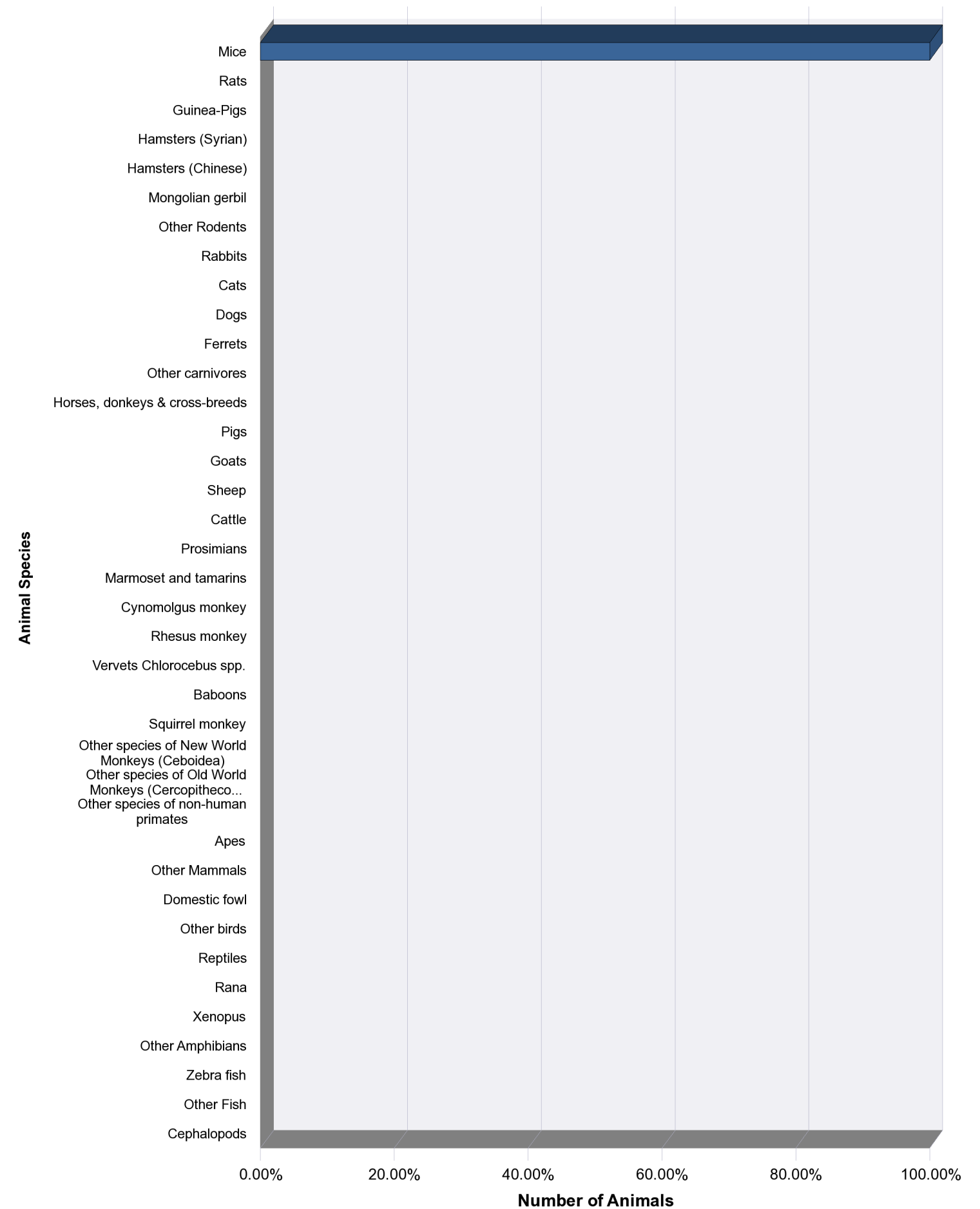
Acute and sub-acute toxicity testing methods

	LD50, LC50	Other lethal methods	Non lethal methods	Total
Mice		5,366		5,366
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	5,366			5,366
%	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	57						57
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		1,560		1,440		58	3,058
Other Fish		1,470					1,470
Cephalopods							
Total	57	3,030		1,440		58	4,585
%	1.24%	66.09%		31.41%		1.26%	

