DP.D.1. Genetically altered animals - creation

Data inclusion criteria

Report year: 2015 (APPROVED)
Country: Denmark
EU Submission: ALL
Re-use: 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

Animals used for the creation of a new genetically altered (GA) line are reported according to the purpose for which the line has been created.
This report shows the number of animals of each species used for the creation of a new genetically altered line broken down by basic and translational/applied research.
In relation to the total animal uses for the creation of genetically altered line, it also provides a proportional distribution of:
•further details on the intended field of research for which the animal line has been created;
•the actual severities experienced by animals used for the creation of a new line;
•the related genetic status.
With reference to the related genetic states, it is important to note that this report may also include animals that are not genetically altered. These comprise wild-type animals that are used for the induction of genetic alteration and the production of founder stocks.
It shows both the first and all the subsequent uses of these 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.

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Creation of a new genetic altered line

	Basic Research	Translational and applied research	Total
Mice	4,689	91	4,780
Rats	60		60
Guinea-Pigs			
Hamsters (Syrian)			
Hamsters (Chinese)			
Mongolian gerbil			
Other Rodents			
Rabbits			
Cats			
Dogs			
Ferrets			
Other carnivores			
Horses, donkeys & cross-breeds			
Pigs		4	4
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			

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	Basic Research	Translational and applied research	Total
Other Fish			
Cephalopods			
Total	4,749	95	4,844

Basic Research	Number of Animals
Oncology	217
Cardiovascular Blood and Lymphatic System	67
Nervous System	4,108
Respiratory System	
Gastrointestinal System including Liver	60
Musculoskeletal System	122
Immune System	99
Urogenital/Reproductive System	6
Sensory Organs (skin, eyes and ears)	
Endocrine System/Metabolism	52
Multisystemic	
Ethology / Animal Behaviour /Animal Biology	18
Other basic research	
Total	4,749

Translational and applied research	Number of Animals
Human Cancer	8
Human Infectious Disorders	
Human Cardiovascular Disorders	
Human Nervous and Mental Disorders	9
Human Respiratory Disorders	
Human Gastrointestinal Disorders including Liver	
Human Musculoskeletal Disorders	
Human Immune Disorders	78
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	95

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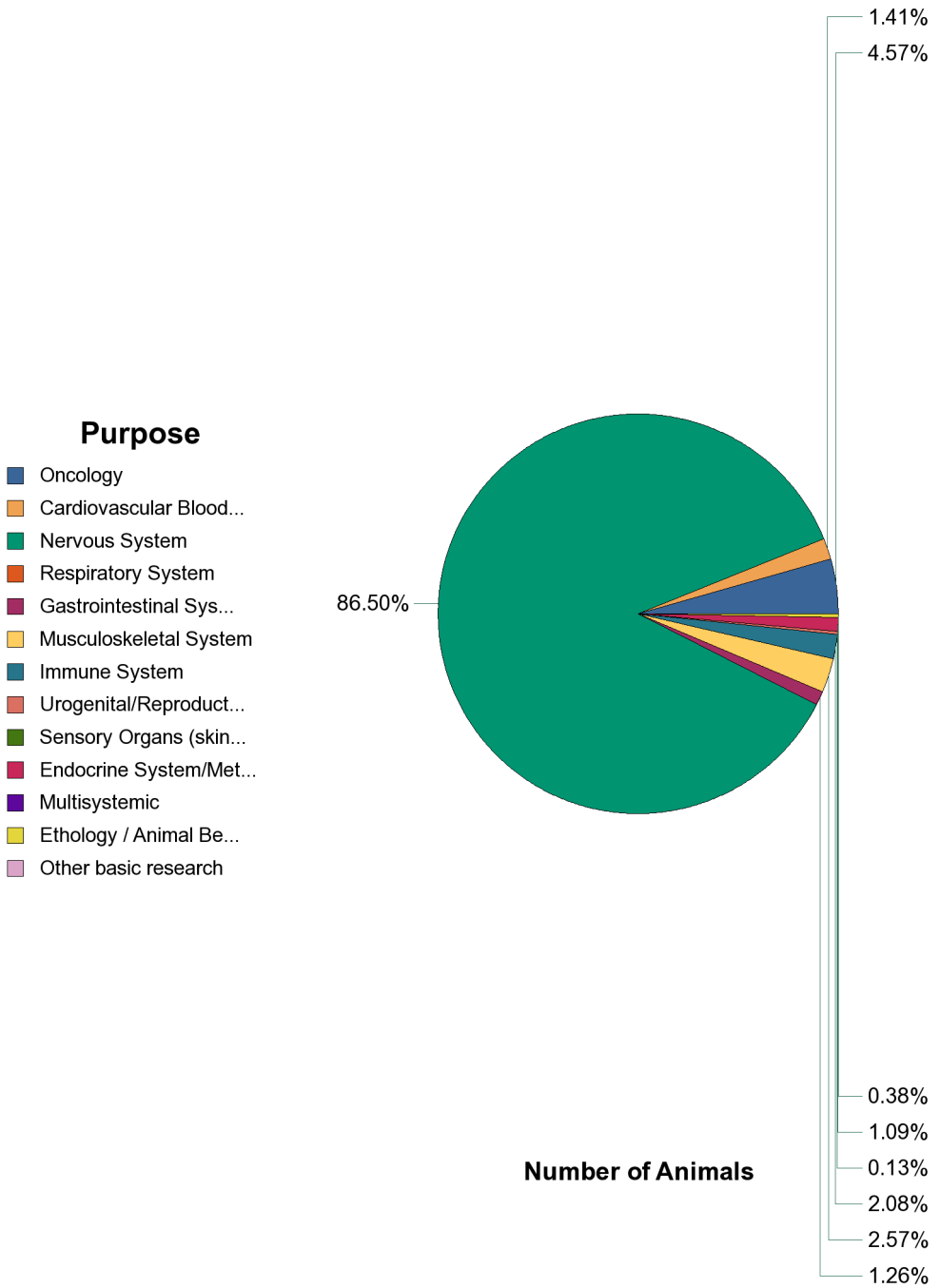

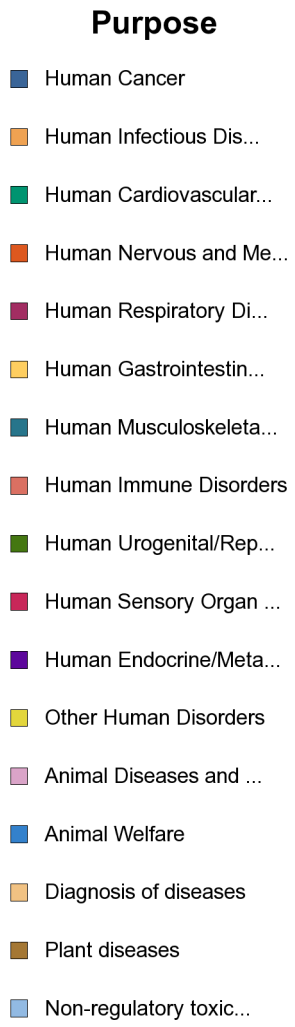

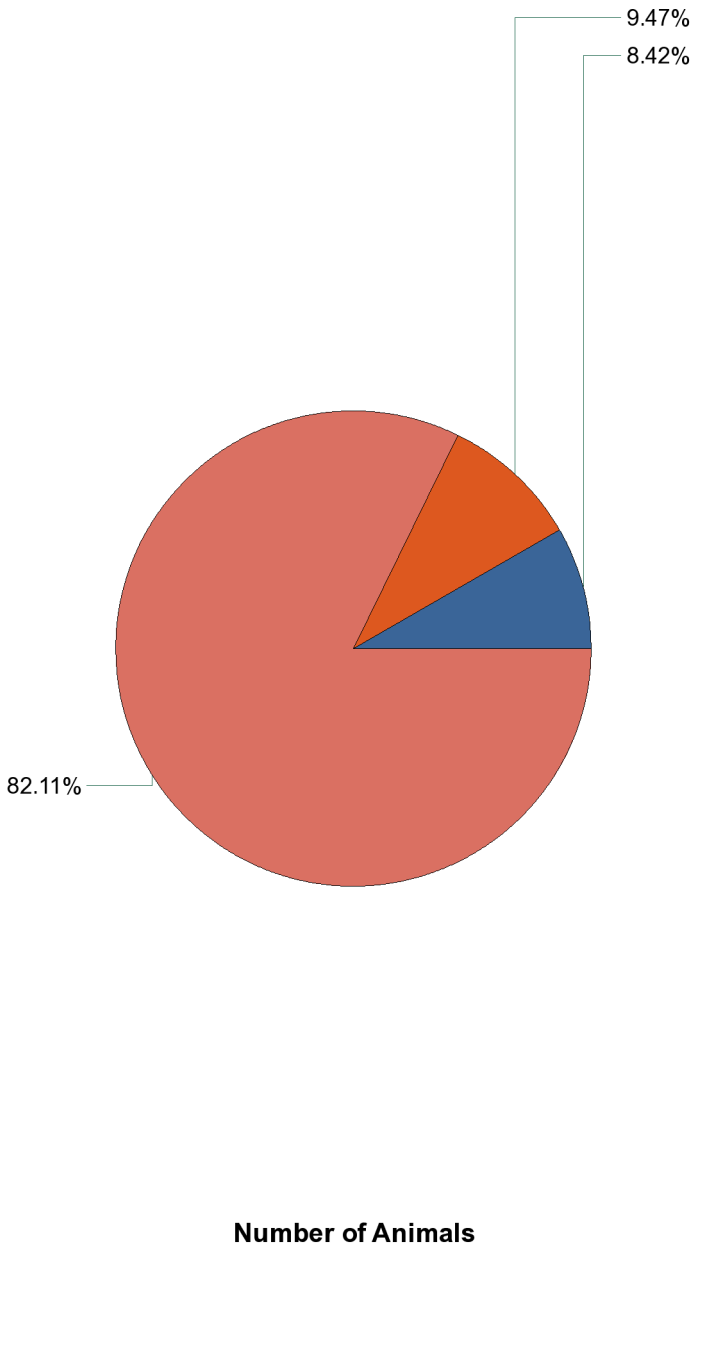

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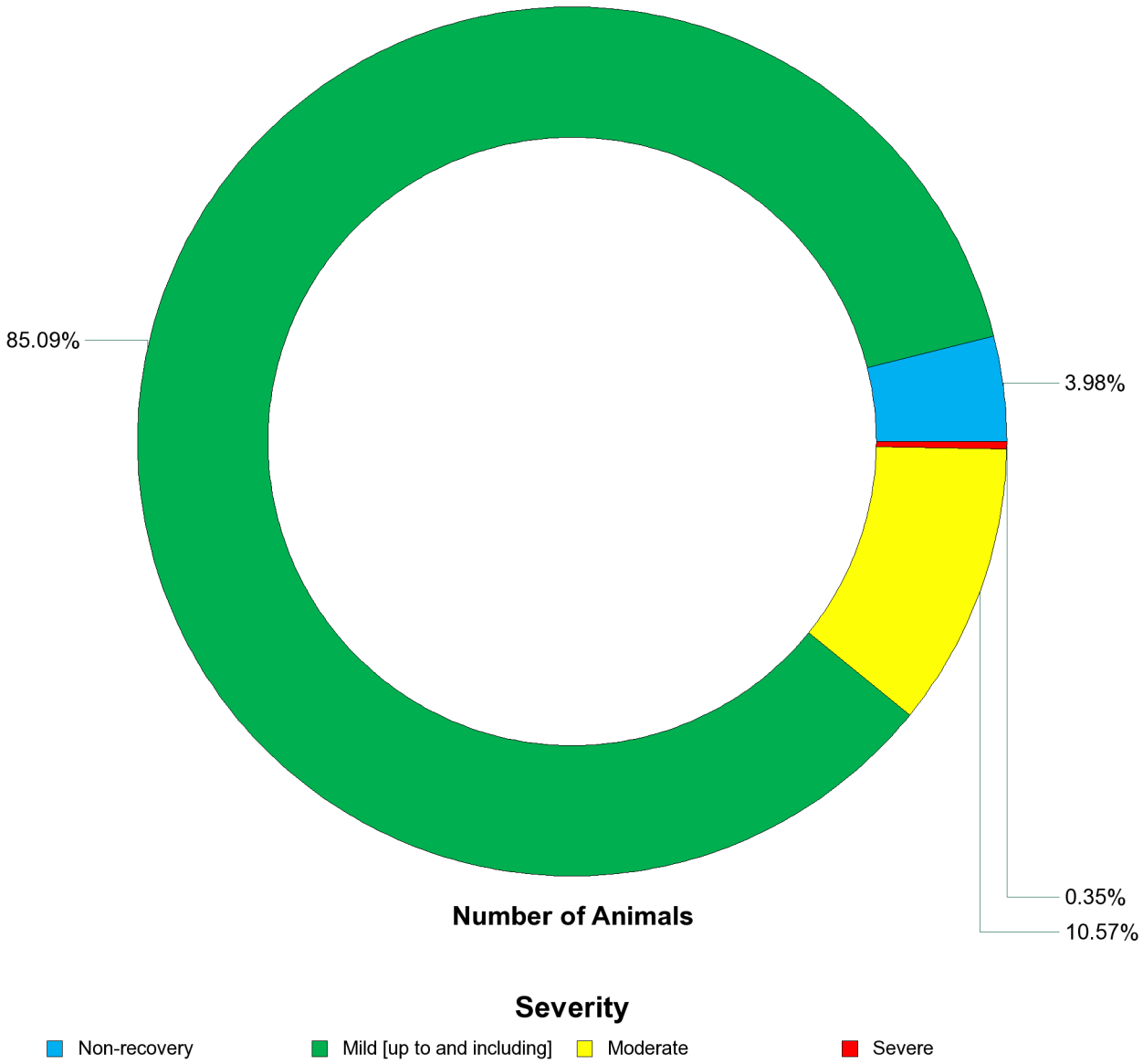

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	Not genetically altered	Genetically altered without a harmful phenotype	Genetically altered with a harmful phenotype	Total
Mice	3,669	755	356	4,780
Rats	60			60
Guinea-Pigs				
Hamsters (Syrian)				
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits				
Cats				
Dogs				
Ferrets				
Other carnivores				
Horses, donkeys & cross-breeds				
Pigs		4		4
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				

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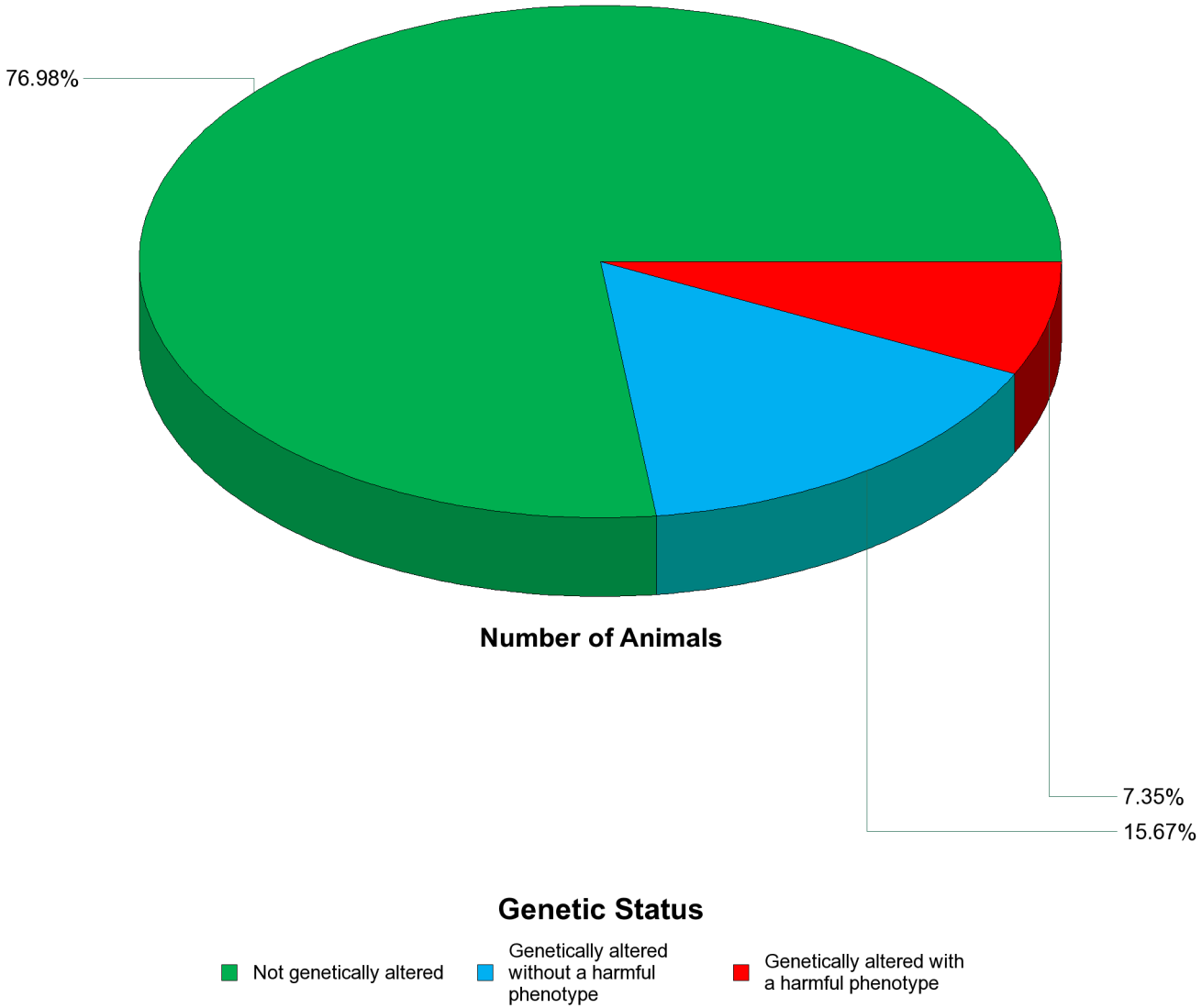
	Not genetically altered	Genetically altered without a harmful phenotype	Genetically altered with a harmful phenotype	Total
Total	3,729	759	356	4,844

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