

## Supplementary material

Breeds included	Mast Cell (Śmiech et al. 2018) N=2,763	Lymphoma (Edwards et al. 2003) N=83,589	Lymphoma (Yau et al. 2017) N=7,067	Osteosarcoma (Edmunds et al. 2021) N=444,473	Osteosarcoma (Ru, Terracini, and Glickman 1998) N=4,364	Osteosarcoma (Sapierzyński and Czopowicz 2017) N=2,604	Melanoma (Gillard et al. 2014) N=15,805
Akita							
Alaskan Malamute							
American Bulldog							
American Staffordshire Terrier							
Australian Cattle Dog							
Beagle							
Beauceron							
Bernese Mountain Dog							
Bichon Frise							
Border Collie							
Border Terrier							
Boxer							
Bulldog							
Bullmastiff							
Bull Terrier							
Cairn Terrier							
Cane Corso							
Caucasian Shepherd Dog							
Cavalier King Charles Spaniel							
English Cocker Spaniel							
Collie							
Dachshund							
Dalmatian							
Doberman Pinscher							
Dogue de Bordeaux							
English Springer Spaniel							
Fox Hound							
Fox Terrier							
French Bulldog							
German Shepherd Dog							
Giant Schnauzer							
Golden Retriever							

Great Dane							
Greyhound							
Hungarian Vizla							
Irish Setter							
Irish Terrier							
Irish Wolfhound							
Jack Russell Terrier							
Keeshond							
Kelpie							
Labradoodle							
Labrador Retriever							
Lurcher							
Maltese							
Miniature Fox Terrier							
Miniature Poodle							
Miniature Schnauzer							
Old English Shepherd Dog							
German Shorthaired Pointer							
Polish Tatra Sheepdog							
Pug							
Rhodesian Ridgeback							
Rottweiler							
Standard Schnauzer							
Scottish Terrier							
Shar-Pei							
Shetland Shepherd Dog							
Shih Tzu							
Siberian Husky							
Silky Terrier							
Staffordshire Bull Terrier							
Saint Bernard							
Standard Poodle							
Tibetan Terrier							
Weimaraner							
West Highland Terrier							
Whippet							
Yorkshire Terrier							

## References

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