

Supplementary Table 1: Number of dogs in each breed in all 7651 dogs (including sighthounds).

Breed	Number of dogs	Breed	Number of dogs
Afghan	306	Korea Jindo Dog	1
Airedale Terrier	3	Kuvasz	3
Alaskan Malamute	1	Labrador Retriever	159
American Bulldog	27	Leonberger	4
Antikdogge	11	Lhasa Apso	1
Australian Cattle Dog	1	Magyar Agar	1
Australian Kelpie	9	Malinois	3
Australian Shepherd	8	Malteser	6
Barsoi	9	Mastiff	4
Basenji	2	Mastin De Los Pirineos	1
Basset Hound	1	Mastino Napoletano	1
Beagle	21	Miniature Australian Shepherd	5
Bearded Collie	3	Miniature Dachshund	1
Belgian Shepherd Dog	1	Miniature Poodle	2
Berger Des Pyrenees	11	Miniature Schnauzer	1
Bernese Mountain Dog	1	Mittle German Spitz	1
Bichon Frise	3	Mudi	1
Bobtail	2	Newfoundland Dog	161
Border Collie	8	Owczarek Podhalanski	2
Boston Terrier	2	Papillon	43
Bouvier des Ardennes	1	Parson Russell Terrier	11
Boxer	311	Phalene	2
Bracken	11	Pinscher	4
Broholmer	4	Pointer	1
Bullterrier	71	Polski Owczarek Nizinny	121
Cane Corso	13	Pug	6
Cavalier King Charles Spaniel	94	Puli	3
Chihuahua	6	Pumi	5
Chinese Crested Dog	8	Pyrenean Mountaindog	7
Collie	2	Rhodesian Ridgeback	58
Coton de Tuléar	1	Rottweiler	8
Dachshund	18	Saarloos Wolfhond	1
Dalmatian	2	Saint Bernard dog	1
Deerhound	7	Saluki	302
Doberman Pinscher	427	Samojede	4
Dogo Canario	4	Saupacker	2
Dogue De Bordeaux	32	Schapendoes	1
English Bulldog	34	Schnauzer	12
English Cocker Spaniel	4	Russian Black Terrier	3
English Springer Spaniel	4	Setter	4
Eurasian	2	Sheltie (Shetland Sheepdog)	6
Fila Brasileiro	1	Shih Tzu	3
Flat Coated Retriever	7	Siberian Husky	2
French Bulldog	203	Silken Windsprite	25
Galgo Espanol	2	Sloughi	3
Giant Schnauzer	7	Slovensky Kopov	23
German Shepherd Dog	12	Small Munsterlander Pointer	1
Golden Retriever	89	Stabyhoun	1
Great Dane	900	Staffordshire Bull Terrier	3
Greyhound	2	Standard Poodles	4
Havanese	1	Suomenajokoirra	1
Hovawart	184	Swiss Shepherd Dog	9
Irish Glen Of Imaal Terrier	1	Tibet Terrier	1
Irish Terrier	4	Welsh Terrier	1
Irish Wolfhound	837	West Highland White Terrier	1
Italian Greyhound	13	Whippet	47
Jack Russell Terrier	3	Wolfsspitz	4
Japanese Spitz	1	Yorkshire Terrier	3
Komondor	2	Total	7651

Supplementary Table 2: Characteristics of dogs of breeds (n=7003) in which echocardiographic measurements were compared to the 95% prediction intervals generated in the all non-sighthound group (n=6097). Sighthound breeds are marked with an asterisk. N = Number of dogs, BW = Median body weight, Age = Mean age.

Breed	N	BW	Age	Sex	
				Female	Male
Afghan*	306	27.0	4.6	57.5%	42.5%
Barsoi*	9	28.0	4.7	66.7%	33.3%
Boxer	3111	27.5	1.7	55.9%	44.1%
Cavalier King Charles Spaniel	94	8.4	3.1	60.6%	39.4%
Deerhound*	7	45.3	4.6	42.9%	57.1%
Doberman	427	36.0	4.2	55.3%	44.7%
French Bulldog	203	12.0	1.6	64.0%	36.0%
Galgo Espanol*	2	20.8	7.2	100.0 %	-
Golden Retriever	89	29.7	2.7	51.7%	48.3%
Great Dane	900	63.5	3.6	61.2%	38.8%
Greyhound*	2	32.4	3.5	100.0%	-
Hovawart	184	36.1	4.1	41.3%	58.7%
Italian Greyhound*	13	4.8	1.7	53.9%	46.1%
Irish Wolfhound*	837	60.0	3.2	65.6%	34.4%
Labrador Retriever	159	30.0	3.7	47.2%	52.8%
Magyar Agar*	1	24.0	7.6	100.0%	-
Newfoundland Dog	161	53.7	3.1	60.9%	39.1%
Polski Owczarek Nizinny	121	18.1	2.7	57.0%	43.0%
Saluki*	302	22.4	4.4	54.6%	45.4%
Silken Windsprite*	25	11.4	3.8	52.0%	48.0%
Sloughi*	3	28.0	3.3	33.3%	66.7%
Whippet*	47	13.0	2.9	51.2%	48.8%

Supplementary Table 3: Estimates of mean difference between the upper limits (of all measured variables LVDD, LVDs, IVSd, IVSs, LVWd and LVWs) of the groups *all non-sighthound dogs* ($n=6097$) and *immaculate non-sighthound dogs* ($n=1794$) based on a generalized additive model including a non-linear effect of body weight.

	Estimate	Standard Error	P-value
Intercept	2.460	0.087	<0.001
All non-sighthound dogs	0.009	0.123	0.942

Supplementary Table 4: Estimated interobserver variability (in percent) based on the weight-independent residual variance for the examined echocardiographic variables in *the all non-sighthound group (n=6097)*.

Parameter	Interobserver-Variability in percent
LVDd	10.2
LVDs	8.1
IVSd	18.8
IVSs	24.0
LVWd	30.6
LVWs	20.6