



Annual Health Report 2024
DNA test result summary by breed
Data Calculated to 31/12/24

The following summary covers the results of all breeds that have had Kennel Club registered dogs DNA tested under an official Kennel Club DNA testing scheme in the last 15 years. This data is further broken down by test result. The data only reflect results submitted to the Kennel Club either via the owners or testing laboratory.

Breed	Total number tested		Clear		Carrier		Affected		Single affected		Minimal Risk (0)		Minimal Risk (1)		Increased Risk (2)		Hereditary Clear		Hereditary Carrier		Hereditary affected	
	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024	15 years	2024
Alaskan Malamute	1406	82	423	16	45	0	0	0	0	0	0	0	0	0	0	0	938	66	0	0	0	0
AMPN	941	37	279	11	41	0	0	0	0	0	0	0	0	0	0	0	621	26	0	0	0	0
CD	465	45	144	5	5	0	0	0	0	0	0	0	0	0	0	0	317	40	0	0	0	0
Australian Cattle Dog	200	17	52	6	26	3	0	0	0	0	0	0	0	0	0	0	122	8	0	0	0	0
prcd-PRA	200	17	52	6	26	3	0	0	0	0	0	0	0	0	0	0	122	8	0	0	0	0
Australian Shepherd	3150	269	785	64	172	13	53	3	35	1	0	0	0	0	0	0	2070	188	35	0	0	0
CEA/CH	633	56	159	15	17	4	0	0	0	0	0	0	0	0	0	0	457	37	0	0	0	0
CEA/CH (linkage)	29	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HC-HSF4	1225	94	247	18	0	0	0	0	35	1	0	0	0	0	0	0	943	75	0	0	0	0
MDR1	612	54	154	13	154	9	53	3	0	0	0	0	0	0	0	0	216	29	35	0	0	0
prcd-PRA	1142	65	168	18	0	0	0	0	0	0	0	0	0	0	0	0	454	47	0	0	0	0
prcd-PRA (linkage)	29	0	28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Barbet (Imp)	70	8	18	1	7	0	0	0	0	0	0	0	0	0	0	0	45	7	0	0	0	0
prcd-PRA	70	8	18	1	7	0	0	0	0	0	0	0	0	0	0	0	45	7	0	0	0	0
Basset Fauve De Bretagne	42	19	19	8	1	1	0	0	0	0	0	0	0	0	0	0	22	10	0	0	0	0
POAG	42	19	19	8	1	1	0	0	0	0	0	0	0	0	0	0	22	10	0	0	0	0
Basset Griffon Vendéen (Petit)	907	45	225	9	223	8	23	0	0	0	0	0	0	0	0	0	430	28	6	0	0	0
POAG	907	45	225	9	223	8	23	0	0	0	0	0	0	0	0	0	430	28	6	0	0	0
Basset Hound	510	131	148	29	22	8	4	0	0	0	0	0	0	0	0	0	333	94	0	0	0	0
Lafora's	55	33	29	14	12	8	3	0	0	0	0	0	0	0	0	0	11	11	0	0	0	0
POAG	455	98	122	15	10	0	1	0	0	0	0	0	0	0	0	0	322	83	0	0	0	0
Beagle	44808	3014	3496	59	398	5	21	2	0	0	0	0	0	0	0	0	40877	2942	16	6	0	0
FVID	1677	179	312	9	125	3	15	2	0	0	0	0	0	0	0	0	1215	159	10	6	0	0
IGS	3105	321	507	17	20	0	0	0	0	0	0	0	0	0	0	0	2578	304	0	0	0	0
Lafora's	5777	764	535	17	52	2	4	0	0	0	0	0	0	0	0	0	5180	745	6	0	0	0
MLS	20092	922	1203	8	124	0	2	0	0	0	0	0	0	0	0	0	18763	914	0	0	0	0
NCCD	14157	828	939	8	77	0	0	0	0	0	0	0	0	0	0	0	13141	820	0	0	0	0
Bearded Collie	1710	15	293	5	10	0	2	0	0	0	0	0	0	0	0	0	1403	10	2	0	0	0
CEA/CH	1704	15	287	5	10	0	2	0	0	0	0	0	0	0	0	0	1403	10	2	0	0	0
CEA/CH (linkage)	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bedlington Terrier	2549	193	591	27	126	3	7	0	0	0	0	0	0	0	0	0	1822	163	3	0	0	0
COMMD1	2532	193	579	27	121	3	7	0	0	0	0	0	0	0	0	0	1822	163	3	0	0	0
Copper Toxicosis (linkage)	17	0	12	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Border Collie	34250	3148	7996	508	508	20	12	0	0	0	0	0	0	0	0	0	25729	2620	5	0	0	0
CEA/CH	6469	383	1064	65	154	2	2	0	0	0	0	0	0	0	0	0	5244	316	5	0	0	0
CEA/CH (linkage)	125	0	118	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CL	6840	497	1231	60	25	0	0	0	0	0	0	0	0	0	0	0	5584	437	0	0	0	0
GGD	988	67	814	56	166	11	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGS	4113	478	1052	65	28	0	0	0	0	0	0	0	0	0	0	0	3033	413	0	0	0	0
MDR1	3812	474	1140	65	9	0	1	0	0	0	0	0	0	0	0	0	2622	409	0	0	0	0
Raine's synd.	869	241	404	64	22	3	1	0	0	0	0	0	0	0	0	0	442	174	0	0	0	0
SN	2776	473	878	68	13	0	0	0	0	0	0	0	0	0	0	0	1885	405	0	0	0	0
TNS	8258	535	1295	65	84	4	0	0	0	0	0	0	0	0	0	0	6879	466	0	0	0	0
Border Terrier	16908	2002	2104	112	304	15	2	0	0	0	0	0	0	0	0	0	14498	1875	0	0	0	0
SLEM	16908	2002	2104	112	304	15	2	0	0	0	0	0	0	0	0	0	14498	1875	0	0	0	0
Boston Terrier	15881	374	761	18	49	0	0	0	0	0	0	0	0	0	0	0	15071	356	0	0	0	0
HC-HSF4	15881	374	761	18	49	0	0	0	0	0	0	0	0	0	0	0	15071	356	0	0	0	0
Briard	1615	55	132	3	25	0	0	0	0	0	0	0	0	0	0	0	1458	52	0	0	0	0
CSNB	1615	55	132	3	25	0	0	0	0	0	0	0	0	0	0	0	1458	52	0	0	0	0
Bull Terrier (Miniature)	1983	58	440	22	255	1	8	0	0	0	0	0	0	0	0	0	1276	35	4	0	0	0
PLL	1983	58	440	22	255	1	8	0	0	0	0	0	0	0	0	0	1276	35	4	0	0	0
Buildog	13211	466	2636	48	916	10	61	0	0	0	0	0	0	0	0	0	9500	408	98	0	0	0

HUU	13211	466	2636	48	916	10	61	0	0	0	0	0	0	0	0	0	9500	408	98	0	0	0	0
Cavalier King Charles Spaniel	47921	3664	6417	235	942	25	39	1	0	0	0	0	0	0	0	0	40465	3403	58	0	0	0	0
CC/DE	24748	1870	3314	118	314	10	2	0	0	0	0	0	0	0	0	0	21118	1742	0	0	0	0	0
EF	23173	1794	3103	117	628	15	37	1	0	0	0	0	0	0	0	0	19347	1661	58	0	0	0	0
Chinese Crested	1458	46	316	4	84	3	1	0	0	0	0	0	0	0	0	0	1057	39	0	0	0	0	0
PLL	1103	30	210	1	83	3	1	0	0	0	0	0	0	0	0	0	809	26	0	0	0	0	0
prcd-PRA	355	16	106	3	1	0	0	0	0	0	0	0	0	0	0	0	248	13	0	0	0	0	0
Collie (Rough)	1944	352	531	84	449	46	361	44	0	0	0	0	0	0	0	0	506	168	34	10	63	0	0
CEA/CH	345	83	46	9	44	7	122	27	0	0	0	0	0	0	0	0	91	38	20	2	22	0	0
CEA/CH (linkage)	39	0	1	0	5	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DM	486	95	112	16	155	22	60	8	0	0	0	0	0	0	0	0	153	49	6	0	41	0	0
MDR1	770	101	198	20	245	17	146	9	0	0	0	0	0	0	0	0	132	47	8	8	0	0	0
PRA (rcd2)	304	73	174	39	0	0	0	0	0	0	0	0	0	0	0	0	130	34	0	0	0	0	0
Collie (Smooth)	590	7	154	3	124	3	71	1	0	0	0	0	0	0	0	0	121	0	52	0	68	0	0
CEA/CH	64	2	24	1	22	1	3	0	0	0	0	0	0	0	0	0	8	0	7	0	0	0	0
CEA/CH (linkage)	40	0	15	0	19	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DM	166	2	66	2	13	0	0	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0
MDR1	286	3	29	0	70	2	62	1	0	0	0	0	0	0	0	0	12	0	45	0	68	0	0
PRA (rcd2)	34	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0
Dachshund (Miniature Long Haired)	13303	1384	999	64	634	10	34	1	0	0	0	0	0	0	0	0	11515	1309	121	0	0	0	0
PRA (cord1)	13303	1384	999	64	634	10	34	1	0	0	0	0	0	0	0	0	11515	1309	121	0	0	0	0
Dachshund (Miniature Smooth Haired)	49223	3859	3146	161	1813	15	231	0	0	0	0	0	0	0	0	0	43161	3683	851	0	21	0	0
PRA (cord1)	49223	3859	3146	161	1813	15	231	0	0	0	0	0	0	0	0	0	43161	3683	851	0	21	0	0
Dachshund (Miniature Wire Haired)	13476	1136	1233	38	386	0	43	0	0	0	0	0	0	0	0	0	11755	1098	59	0	0	0	0
Lafora's	6577	590	539	17	225	0	38	0	0	0	0	0	0	0	0	0	5742	573	33	0	0	0	0
PRA (cord1)	6899	546	694	21	161	0	5	0	0	0	0	0	0	0	0	0	6013	525	26	0	0	0	0
Dachshund (Smooth Haired)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PRA (cord1)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Dalmatian	221	15	17	0	127	6	77	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USD/ LUA	221	15	17	0	127	6	77	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dobermann	6395	398	617	58	275	7	11	0	0	0	0	0	0	0	0	0	5441	333	51	0	0	0	0
DINGS2	128	117	34	25	2	0	0	0	0	0	0	0	0	0	0	0	92	92	0	0	0	0	0
vWD	6267	281	583	33	273	7	11	0	0	0	0	0	0	0	0	0	5349	241	51	0	0	0	0
English Setter	17	1	16	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
NCL8	8	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
PRA (rcd4)	9	1	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entlebucher Mountain Dog (Imp)	18	5	9	0	4	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0
prcd-PRA	18	5	9	0	4	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0
Finnish Lapphund	991	34	206	7	51	3	0	0	0	0	0	0	0	0	0	0	734	24	0	0	0	0	0
GSD (II)	558	23	110	5	1	0	0	0	0	0	0	0	0	0	0	0	447	18	0	0	0	0	0
prcd-PRA	432	11	95	2	50	3	0	0	0	0	0	0	0	0	0	0	287	6	0	0	0	0	0
prcd-PRA (linkage)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
French Bulldog	36281	609	7779	116	842	4	80	0	0	0	0	0	0	0	0	0	27487	489	92	0	1	0	0
DM	10721	201	2980	39	805	3	80	0	0	0	0	0	0	0	0	0	6763	159	92	0	1	0	0
HC-HSF4	25560	408	4799	77	37	1	0	0	0	0	0	0	0	0	0	0	20724	330	0	0	0	0	0
German Shepherd Dog	5663	855	1159	71	368	10	55	1	0	0	0	0	0	0	0	0	3993	758	88	15	0	0	0
DM (CDRM)	5663	855	1159	71	368	10	55	1	0	0	0	0	0	0	0	0	3993	758	88	15	0	0	0
German Wirehaired Pointer	5502	389	402	12	1	0	0	0	0	0	0	0	0	0	0	0	5099	377	0	0	0	0	0
vWD	5502	389	402	12	1	0	0	0	0	0	0	0	0	0	0	0	5099	377	0	0	0	0	0
Giant Schnauzer	887	113	180	20	8	2	0	0	0	0	0	0	0	0	0	0	699	91	0	0	0	0	0
DCM	337	39	61	8	0	0	0	0	0	0	0	0	0	0	0	0	276	31	0	0	0	0	0
PRA5	371	43	64	6	0	0	0	0	0	0	0	0	0	0	0	0	307	37	0	0	0	0	0
prcd-PRA	179	31	55	6	8	2	0	0	0	0	0	0	0	0	0	0	116	23	0	0	0	0	0
Glen Of Imaal Terrier	722	83	103	1	66	0	1	0	0	0	0	0	0	0	0	0	552	82	0	0	0	0	0
PRA (rcd3)	722	83	103	1	66	0	1	0	0	0	0	0	0	0	0	0	552	82	0	0	0	0	0
Gordon Setter	2460	126	561	40	412	21	73	0	0	0	0	0	0	0	0	0	1210	64	204	1	0	0	0
PRA (rcd3)	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRA (rcd4)	2459	125	560	39	412	21	73	0	0	0	0	0	0	0	0	0	1210	64	204	1	0	0	0
Great Dane	963	131	218	27	17	1	1	0	0	0	0	0	0	0	0	0	727	103	0	0	0	0	0
IMGD	963	131	218	27	17	1	1	0	0	0	0	0	0	0	0	0	727	103	0	0	0	0	0
Greyhound	86	0	20	0	5	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0
GN	86	0	20	0	5	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0
Hungarian Wire Haired Vizsla	1862	171	315	13	212	8	20	0	0	0	0	0	0	0	0	0	1265	150	50	0	0	0	0
HUU	1862	171	315	13	212	8	20	0	0	0	0	0	0	0	0	0	1265	150	50	0	0	0	0
Irish Red & White Setter	2291	86	122	6	3	0	0	0	0	0	0	0	0	0	0	0	2166	80	0	0	0	0	0
CLAD	1159	50	62	6	0	0	0	0	0	0	0	0	0	0	0	0	1097	44	0	0	0	0	0
vWD	1132	36	60	0	3	0	0	0	0	0	0	0	0	0	0	0	1069	36	0	0	0	0	0
Irish Setter	33068	1669	1625	56	797	7	89	0	0	0	0	0	0	0	0	0	30121	1606	403	0	33	0	0
CLAD	12949	653	226	17	1	0	0	0	0	0	0	0	0	0	0	0	12722	636	0	0	0	0	0

PRA (rcd1)	12772	671	347	14	0	0	0	0	0	0	0	0	0	0	0	0	0	12425	657	0	0	0	0
PRA (rcd4)	7347	345	1052	25	796	7	89	0	0	0	0	0	0	0	0	0	0	4974	313	403	0	33	0
Irish Terrier	645	52	156	8	5	0	0	0	0	0	0	0	0	0	0	0	0	484	44	0	0	0	0
HFH	645	52	156	8	5	0	0	0	0	0	0	0	0	0	0	0	0	484	44	0	0	0	0
Italian Spinone	282	44	282	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA (linkage)	282	44	282	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jack Russell Terrier	3042	357	697	32	16	0	0	0	0	0	0	0	0	0	0	0	0	2329	325	0	0	0	0
LOA	1012	120	232	10	1	0	0	0	0	0	0	0	0	0	0	0	0	779	110	0	0	0	0
PLL	996	117	233	12	13	0	0	0	0	0	0	0	0	0	0	0	0	750	105	0	0	0	0
SCA	1034	120	232	10	2	0	0	0	0	0	0	0	0	0	0	0	0	800	110	0	0	0	0
Japanese Akita Inu	124	14	41	5	17	2	1	0	0	0	0	0	0	0	0	0	0	59	7	6	0	0	0
AI/FEH	124	14	41	5	17	2	1	0	0	0	0	0	0	0	0	0	0	59	7	6	0	0	0
Japanese Shiba Inu	4	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GM1_2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GM2_2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Keeshond	1446	13	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1350	13	0	0	0	0
PHPT	1446	13	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1350	13	0	0	0	0
Kooikerhondje	70	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0
ENM	35	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
vWD	35	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0
Lagotto Romagnolo	1313	190	268	46	59	9	0	0	0	0	0	0	0	0	0	0	0	986	135	0	0	0	0
JE	582	82	125	20	38	7	0	0	0	0	0	0	0	0	0	0	0	419	55	0	0	0	0
LSD	731	108	143	26	21	2	0	0	0	0	0	0	0	0	0	0	0	567	80	0	0	0	0
Lancashire Heeler	1476	65	471	37	234	10	10	0	0	0	0	0	0	0	0	0	0	761	18	0	0	0	0
CEA/CH	161	20	76	20	1	0	0	0	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0
CEA/CH (linkage)	35	0	34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLL	1280	45	361	17	232	10	10	0	0	0	0	0	0	0	0	0	0	677	18	0	0	0	0
Large Munsterlander	814	28	118	3	48	0	4	0	0	0	0	0	0	0	0	0	0	644	25	0	0	0	0
HUU	814	28	118	3	48	0	4	0	0	0	0	0	0	0	0	0	0	644	25	0	0	0	0
Leonberger	1093	137	397	73	26	4	0	0	0	0	0	0	0	0	0	0	0	670	60	0	0	0	0
LEMP	238	41	95	18	16	3	0	0	0	0	0	0	0	0	0	0	0	127	20	0	0	0	0
LPN1	549	40	171	20	8	0	0	0	0	0	0	0	0	0	0	0	0	370	20	0	0	0	0
LPN2	279	40	106	20	0	0	0	0	0	0	0	0	0	0	0	0	0	173	20	0	0	0	0
LPPN3	27	0	25	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lhasa Apso	3498	333	667	21	137	10	7	0	0	0	0	0	0	0	0	0	0	2665	302	22	0	0	0
GPRA (pra4)	3498	333	667	21	137	10	7	0	0	0	0	0	0	0	0	0	0	2665	302	22	0	0	0
Manchester Terrier	2032	77	112	2	54	3	1	0	0	0	0	0	0	0	0	0	0	1865	72	0	0	0	0
vWD	2032	77	112	2	54	3	1	0	0	0	0	0	0	0	0	0	0	1865	72	0	0	0	0
Miniature Schnauzer	15495	2324	1517	73	19	0	0	0	0	0	0	0	0	0	0	0	0	13959	2251	0	0	0	0
MAC	15495	2324	1517	73	19	0	0	0	0	0	0	0	0	0	0	0	0	13959	2251	0	0	0	0
Newfoundland	3646	151	458	18	111	6	1	0	0	0	0	0	0	0	0	0	0	3076	127	0	0	0	0
CU	3646	151	458	18	111	6	1	0	0	0	0	0	0	0	0	0	0	3076	127	0	0	0	0
Norwegian Buhund	196	16	56	2	6	0	0	0	0	0	0	0	0	0	0	0	0	134	14	0	0	0	0
HCA	196	16	56	2	6	0	0	0	0	0	0	0	0	0	0	0	0	134	14	0	0	0	0
Norwegian Elkhound	1225	76	282	11	111	3	10	0	0	0	0	0	0	0	0	0	0	818	62	4	0	0	0
CDSL	318	32	92	4	0	0	0	0	0	0	0	0	0	0	0	0	0	226	28	0	0	0	0
POAG	242	22	65	3	33	1	0	0	0	0	0	0	0	0	0	0	0	144	18	0	0	0	0
prcd-PRA	665	22	125	4	78	2	10	0	0	0	0	0	0	0	0	0	0	448	62	4	0	0	0
Old English Sheepdog	1852	108	272	16	7	0	0	0	0	0	0	0	0	0	0	0	0	1573	92	0	0	0	0
PCD	1852	108	272	16	7	0	0	0	0	0	0	0	0	0	0	0	0	1573	92	0	0	0	0
Otterhound	11	4	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thrombasthenia	11	4	11	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Papillon	3475	482	904	51	81	5	1	0	0	0	0	0	0	0	0	0	0	2488	426	1	0	0	0
NAD	880	155	248	16	1	0	0	0	0	0	0	0	0	0	0	0	0	631	139	0	0	0	0
Pap-PRA1	1937	197	455	17	45	0	1	0	0	0	0	0	0	0	0	0	0	1435	180	1	0	0	0
vWD1	658	130	201	18	35	5	0	0	0	0	0	0	0	0	0	0	0	422	107	0	0	0	0
Parson Russell Terrier	10110	570	1139	36	272	11	6	0	0	0	0	0	0	0	0	0	0	8688	523	5	0	0	0
LOA	3208	190	387	12	82	3	3	0	0	0	0	0	0	0	0	0	0	2736	175	0	0	0	0
PLL	4089	210	484	13	178	5	3	0	0	0	0	0	0	0	0	0	0	3419	192	5	0	0	0
SCA	2813	170	268	11	12	3	0	0	0	0	0	0	0	0	0	0	0	2533	156	0	0	0	0
Poodle (Miniature)	9927	946	1681	108	151	4	3	0	0	0	0	0	0	0	0	0	0	8091	834	1	0	0	0
OC	1094	170	423	30	7	0	0	0	0	0	0	0	0	0	0	0	0	664	140	0	0	0	0
prcd-PRA	8805	776	1232	78	142	4	3	0	0	0	0	0	0	0	0	0	0	7427	694	1	0	0	0
prcd-PRA (linkage)	28	0	26	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poodle (Standard)	4971	921	1376	134	37	4	1	1	0	0	0	0	0	0	0	0	0	3549	774	8	0	0	0
PRA (rcd4)	1165	260	378	45	25	3	1	1	0	0	0	0	0	0	0	0	0	753	203	8	0	0	0
prcd-PRA	1284	293	411	45	5	1	0	0	0	0	0	0	0	0	0	0	0	868	247	0	0	0	0
prcd-PRA (linkage)	21	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vWD	2501	368	566	44	7	0	0	0	0	0	0	0	0	0	0	0	0	1928	324	0	0	0	0

Poodle (Toy)	7415	742	1270	86	155	5	13	0	0	0	0	0	0	0	0	0	5957	651	20	0	0	0
prcd-PRA	7370	742	1227	86	153	5	13	0	0	0	0	0	0	0	0	0	5957	651	20	0	0	0
prcd-PRA (linkage)	45	0	43	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Portuguese Water Dog	1216	122	287	22	64	3	2	0	0	0	0	0	0	0	0	0	863	97	0	0	0	0
EOPRA	95	9	51	6	0	0	0	0	0	0	0	0	0	0	0	0	44	3	0	0	0	0
GM1	335	34	108	9	0	0	0	0	0	0	0	0	0	0	0	0	227	25	0	0	0	0
prcd-PRA	786	79	128	7	64	3	2	0	0	0	0	0	0	0	0	0	592	69	0	0	0	0
Pug	413	20	0	0	0	0	0	0	0	0	324	14	80	6	9	0	0	0	0	0	0	0
PDE	413	20	0	0	0	0	0	0	0	0	324	14	80	6	9	0	0	0	0	0	0	0
Retriever (Chesapeake Bay)	1184	46	142	7	39	1	2	0	0	0	0	0	0	0	0	0	1001	38	0	0	0	0
DM	695	23	86	3	39	1	2	0	0	0	0	0	0	0	0	0	568	19	0	0	0	0
prcd-PRA	487	23	54	4	0	0	0	0	0	0	0	0	0	0	0	0	433	19	0	0	0	0
prcd-PRA (linkage)	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retriever (Curly Coated)	6	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	0	0	0	0	0	
EIC (IncP)	6	0	0	0	0	0	0	0	0	0	2	0	0	0	4	0	0	0	0	0	0	
Retriever (Golden)	59926	9715	5785	694	918	152	198	36	0	0	0	0	0	0	0	0	52371	8699	628	134	26	0
GR_PRA1	27166	3964	2469	268	143	18	4	0	0	0	0	0	0	0	0	0	24518	3671	32	7	0	0
GR_PRA2	26369	4038	2408	269	107	12	0	0	0	0	0	0	0	0	0	0	23846	3757	8	0	0	0
ICT-A	6391	1713	908	157	668	122	194	36	0	0	0	0	0	0	0	0	4007	1271	588	127	26	0
Retriever (Labrador)	411298	67322	40805	5317	4119	441	170	9	0	0	0	0	0	0	0	0	365713	61533	491	22	0	0
CNM	110936	14504	8233	826	319	14	12	0	0	0	0	0	0	0	0	0	102372	13664	0	0	0	0
EIC	76072	11637	7199	602	868	43	55	1	0	0	0	0	0	0	0	0	67768	10985	182	6	0	0
HNPk	36676	7829	6016	637	340	16	16	1	0	0	0	0	0	0	0	0	30247	7175	57	0	0	0
MCD	9238	4737	2459	880	49	20	4	2	0	0	0	0	0	0	0	0	6715	3831	11	4	0	0
prcd-PRA	108720	13208	7541	777	1022	71	39	1	0	0	0	0	0	0	0	0	99967	12359	151	0	0	0
prcd-PRA (linkage)	121	0	108	0	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SD2	60799	10775	6918	757	1109	111	33	0	0	0	0	0	0	0	0	0	52666	9907	73	0	0	0
STGD	8736	4632	2331	838	400	166	10	4	0	0	0	0	0	0	0	0	5978	3612	17	12	0	0
Retriever (Nova Scotia Duck Tolling)	4892	291	554	31	136	2	1	0	0	0	31	0	9	0	0	0	4158	258	3	0	0	0
CEA/CH	1937	81	167	15	20	1	0	0	0	0	0	0	0	0	0	0	1750	65	0	0	0	0
CEA/CH (linkage)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DE	466	45	72	1	17	1	0	0	0	0	0	0	0	0	0	0	377	43	0	0	0	0
DM	869	88	157	4	35	0	0	0	0	0	0	0	0	0	0	0	677	84	0	0	0	0
JADD	40	0	0	0	0	0	0	0	0	0	31	0	9	0	0	0	0	0	0	0	0	
prcd-PRA	1577	77	155	11	64	0	1	0	0	0	0	0	0	0	0	0	1354	66	3	0	0	0
prcd-PRA (linkage)	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rhodesian Ridgeback	3548	345	614	60	85	9	1	0	0	0	0	0	0	0	0	0	2848	276	0	0	0	0
DM	20	6	19	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JME	3528	339	595	54	84	9	1	0	0	0	0	0	0	0	0	0	2848	276	0	0	0	0
Rottweiler	6531	888	1360	157	145	8	0	0	0	0	0	0	0	0	0	0	5026	723	0	0	0	0
JLPP	5636	602	1010	83	114	3	0	0	0	0	0	0	0	0	0	0	4512	516	0	0	0	0
LEMP	895	286	350	74	31	5	0	0	0	0	0	0	0	0	0	0	514	207	0	0	0	0
Russian Black Terrier	482	50	164	27	129	9	22	1	0	0	0	0	0	0	0	0	149	13	18	0	0	0
HUU	308	25	94	15	117	9	22	1	0	0	0	0	0	0	0	0	57	0	18	0	0	0
JLPP	174	25	70	12	12	0	0	0	0	0	0	0	0	0	0	0	92	13	0	0	0	0
Saluki	103	24	54	9	0	0	0	0	0	0	0	0	0	0	0	0	49	15	0	0	0	0
Sal-NCL	103	24	54	9	0	0	0	0	0	0	0	0	0	0	0	0	49	15	0	0	0	0
Samoyed	79	10	79	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XLHN	39	5	39	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XLPR1	40	5	40	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schipperke	138	3	37	1	2	0	0	0	0	0	0	0	0	0	0	0	99	2	0	0	0	0
MPSIIIB	138	3	37	1	2	0	0	0	0	0	0	0	0	0	0	0	99	2	0	0	0	0
Schnauzer	914	120	91	6	1	0	0	0	0	0	0	0	0	0	0	0	822	114	0	0	0	0
DCM	914	120	91	6	1	0	0	0	0	0	0	0	0	0	0	0	822	114	0	0	0	0
Sealyham Terrier	1206	50	211	8	187	1	9	0	0	0	0	0	0	0	0	0	796	41	3	0	0	0
PLL	1206	50	211	8	187	1	9	0	0	0	0	0	0	0	0	0	796	41	3	0	0	0
Shar Pei	1118	40	315	7	139	11	20	0	0	0	0	0	0	0	0	0	631	22	13	0	0	0
POAG/PLL	1118	40	315	7	139	11	20	0	0	0	0	0	0	0	0	0	631	22	13	0	0	0
Shetland Sheepdog	2808	328	1196	135	484	37	97	4	0	0	0	0	0	0	0	0	970	143	57	9	4	0
CEA/CH	587	67	214	17	137	18	11	3	0	0	0	0	0	0	0	0	223	27	2	2	0	0
CEA/CH (linkage)	131	0	65	0	63	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MDR1	751	55	258	26	255	18	82	1	0	0	0	0	0	0	0	0	97	3	55	7	4	0
PRA (BBS2-PRA)	525	89	229	33	29	1	1	0	0	0	0	0	0	0	0	0	266	55	0	0	0	0
PRA (CNGA1-PRA)	522	70	238	34	0	0	0	0	0	0	0	0	0	0	0	0	284	36	0	0	0	0
vWD	292	47	192	25	0	0	0	0	0	0	0	0	0	0	0	0	100	22	0	0	0	0
Spaniel (American Cocker)	91	7	56	6	7	1	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0
prcd-PRA	91	7	56	6	7	1	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0
Spaniel (Clumber)	4019	199	545	16	184	1	8	0	0	0	0	0	0	0	0	0	3272	182	10	0	0	0
EIC	1570	106	294	7	180	1	8	0	0	0	0	0	0	0	0	0	1078	98	10	0	0	0
PDP-1	2449	93	251	9	4	0	0	0	0	0	0	0	0	0								

AMS	47089	7350	7195	573	429	29	8	0	0	0	0	0	0	0	0	0	0	39443	6748	14	0	0	0
AON	7639	1006	1133	64	60	4	2	0	0	0	0	0	0	0	0	0	0	6439	938	5	0	0	0
FN	95609	9281	9112	556	45	2	0	0	0	0	0	0	0	0	0	0	0	86452	8723	0	0	0	0
Fuco.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PRA (cord1)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
prcd-PRA	81124	8001	8034	533	968	37	83	0	0	0	0	0	0	0	0	0	0	68837	7431	448	0	0	0
prcd-PRA (linkage)	154	0	144	0	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Spaniel (English Springer)	52682	5529	8745	554	518	35	26	2	0	0	0	0	0	0	0	0	0	43322	4938	71	0	0	0
AMS	6096	980	1605	138	24	2	0	0	0	0	0	0	0	0	0	0	0	4467	840	0	0	0	0
DAMS	184	102	88	38	14	6	0	0	0	0	0	0	0	0	0	0	0	82	58	0	0	0	0
Fuco.	19647	1670	2459	127	20	1	0	0	0	0	0	0	0	0	0	0	0	17168	1542	0	0	0	0
PFK	8324	1208	1849	139	1	0	2	0	0	0	0	0	0	0	0	0	0	6472	1069	0	0	0	0
PRA (cord1)	18431	1569	2744	112	459	26	24	2	0	0	0	0	0	0	0	0	0	15133	1429	71	0	0	0
Spanish Water Dog	1982	316	456	49	64	7	0	0	0	0	0	0	0	0	0	0	0	1462	260	0	0	0	0
CHG	619	121	150	19	4	0	0	0	0	0	0	0	0	0	0	0	0	465	102	0	0	0	0
NAD	633	113	146	17	11	1	0	0	0	0	0	0	0	0	0	0	0	476	95	0	0	0	0
prcd-PRA	730	82	160	13	49	6	0	0	0	0	0	0	0	0	0	0	0	521	63	0	0	0	0
Staffordshire Bull Terrier	83643	5897	4290	207	146	0	2	0	0	0	0	0	0	0	0	0	0	79205	5690	0	0	0	0
HC-HSF4	41404	2919	2140	100	36	0	0	0	0	0	0	0	0	0	0	0	0	39228	2819	0	0	0	0
L-2HGA	42239	2978	2150	107	110	0	2	0	0	0	0	0	0	0	0	0	0	39977	2871	0	0	0	0
Swedish Vallhund	343	22	85	9	137	4	30	1	0	0	0	0	0	0	0	0	0	41	8	46	0	4	0
Retinopathy	343	22	85	9	137	4	30	1	0	0	0	0	0	0	0	0	0	41	8	46	0	4	0
Tibetan Spaniel	1458	82	220	4	20	1	0	0	0	0	0	0	0	0	0	0	0	1218	77	0	0	0	0
PRA3	1458	82	220	4	20	1	0	0	0	0	0	0	0	0	0	0	0	1218	77	0	0	0	0
Tibetan Terrier	46432	2321	4096	56	1116	14	63	0	0	0	0	0	0	0	0	0	0	40967	2251	183	0	7	0
DP-LXH3	1442	246	266	18	25	2	1	0	0	0	0	0	0	0	0	0	0	1150	226	0	0	0	0
NCL12	13288	575	1059	7	258	1	13	0	0	0	0	0	0	0	0	0	0	11947	567	11	0	0	0
PLL	13935	509	1225	13	442	4	17	0	0	0	0	0	0	0	0	0	0	12249	492	2	0	0	0
PRA (rcd4)	7702	455	726	11	376	7	31	0	0	0	0	0	0	0	0	0	0	6413	437	149	0	7	0
PRA3	10065	536	820	7	15	0	1	0	0	0	0	0	0	0	0	0	0	9208	529	21	0	0	0
Welsh Corgi (Cardigan)	1799	74	114	9	4	0	0	0	0	0	0	0	0	0	0	0	0	1681	65	0	0	0	0
PRA (rcd3)	1799	74	114	9	4	0	0	0	0	0	0	0	0	0	0	0	0	1681	65	0	0	0	0
Welsh Terrier	1116	84	237	9	57	3	3	0	0	0	0	0	0	0	0	0	0	819	72	0	0	0	0
PLL	1116	84	237	9	57	3	3	0	0	0	0	0	0	0	0	0	0	819	72	0	0	0	0
White Swiss Shepherd Dog (Imp)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DM (CDRM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0