



Annual Health Report 2023
DNA test result summary by breed
 Data Calculated to 31/12/23

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	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	15 years	2023	
Alaskan Malamute	1330	98	404	32	45	2	0	0	0	0	0	0	0	0	0	0	0	881	64	0	0	0	0
AMPN	910	72	265	20	41	2	0	0	0	0	0	0	0	0	0	0	0	604	50	0	0	0	0
CD	420	26	139	12	4	0	0	0	0	0	0	0	0	0	0	0	0	277	14	0	0	0	0
Australian Cattle Dog	196	8	49	4	24	1	0	0	0	0	0	0	0	0	0	0	0	123	3	0	0	0	0
prcd-PRA	196	8	49	4	24	1	0	0	0	0	0	0	0	0	0	0	0	123	3	0	0	0	0
Australian Shepherd	3000	199	797	58	164	9	51	1	34	0	0	0	0	0	0	0	0	1918	131	36	0	0	0
CEA/CH	596	25	157	16	16	0	0	0	0	0	0	0	0	0	0	0	0	423	9	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	0
HC-HSF4	1194	82	268	15	0	0	0	0	34	0	0	0	0	0	0	0	0	892	67	0	0	0	0
MDR1	574	52	151	9	147	9	51	1	0	0	0	0	0	0	0	0	0	189	33	36	0	0	0
prcd-PRA	578	40	164	18	0	0	0	0	0	0	0	0	0	0	0	0	0	414	22	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	0
Barbet (Imp)	62	19	17	1	7	0	0	0	0	0	0	0	0	0	0	0	0	38	18	0	0	0	0
prcd-PRA	62	19	17	1	7	0	0	0	0	0	0	0	0	0	0	0	0	38	18	0	0	0	0
Basset Griffon Vendéen (Petit)	863	50	215	6	212	2	22	0	0	0	0	0	0	0	0	0	0	408	42	6	0	0	0
POAG	863	50	215	6	212	2	22	0	0	0	0	0	0	0	0	0	0	408	42	6	0	0	0
Basset Hound	357	73	107	15	10	0	1	0	0	0	0	0	0	0	0	0	0	239	58	0	0	0	0
POAG	357	73	107	15	10	0	1	0	0	0	0	0	0	0	0	0	0	239	58	0	0	0	0
Beagle	42255	3146	3427	113	392	15	20	1	0	0	0	0	0	0	0	0	0	38406	3017	10	0	0	0
FVIID	1506	164	303	13	123	9	13	1	0	0	0	0	0	0	0	0	0	1063	141	4	0	0	0
IGS	2823	404	490	39	20	3	0	0	0	0	0	0	0	0	0	0	0	2313	362	0	0	0	0
Lafora's	5043	768	518	17	50	2	5	0	0	0	0	0	0	0	0	0	0	4464	749	6	0	0	0
MLS	19454	958	1189	20	123	1	2	0	0	0	0	0	0	0	0	0	0	18140	937	0	0	0	0
NCCD	13429	852	927	24	76	0	0	0	0	0	0	0	0	0	0	0	0	12426	828	0	0	0	0
Bearded Collie	1716	91	290	9	10	1	2	0	0	0	0	0	0	0	0	0	0	1412	81	2	0	0	0
CEA/CH	1710	91	284	9	10	1	2	0	0	0	0	0	0	0	0	0	0	1412	81	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	0
Bedlington Terrier	2380	238	572	37	122	7	7	0	0	0	0	0	0	0	0	0	0	1676	194	3	0	0	0
COMMD1	2363	238	560	37	117	7	7	0	0	0	0	0	0	0	0	0	0	1676	194	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	0
Border Collie	32863	3422	7709	807	529	28	12	1	0	0	0	0	0	0	0	0	0	24608	2586	5	0	0	0
CEA/CH	6559	403	1058	105	176	4	2	0	0	0	0	0	0	0	0	0	0	5318	294	5	0	0	0
CEA/CH (linkage)	127	0	120	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CL	6757	546	1242	99	25	1	0	0	0	0	0	0	0	0	0	0	0	5490	446	0	0	0	0
GGD	922	92	758	84	156	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGS	3686	566	980	102	28	4	0	0	0	0	0	0	0	0	0	0	0	2678	460	0	0	0	0
MDR1	3383	520	1071	109	9	0	1	0	0	0	0	0	0	0	0	0	0	2302	411	0	0	0	0
Raine's synd.	645	245	337	97	19	7	1	1	0	0	0	0	0	0	0	0	0	288	140	0	0	0	0
SN	2339	442	807	107	13	0	0	0	0	0	0	0	0	0	0	0	0	1519	335	0	0	0	0
TNS	8445	608	1336	104	96	4	0	0	0	0	0	0	0	0	0	0	0	7013	500	0	0	0	0
Border Terrier	15044	2271	1985	199	288	17	2	0	0	0	0	0	0	0	0	0	0	12769	2055	0	0	0	0
SLEM	15044	2271	1985	199	288	17	2	0	0	0	0	0	0	0	0	0	0	12769	2055	0	0	0	0
Boston Terrier	15772	694	811	18	52	0	0	0	0	0	0	0	0	0	0	0	0	14909	676	0	0	0	0
HC-HSF4	15772	694	811	18	52	0	0	0	0	0	0	0	0	0	0	0	0	14909	676	0	0	0	0
Briard	1662	59	153	2	26	0	0	0	0	0	0	0	0	0	0	0	0	1483	57	0	0	0	0
CSNB	1662	59	153	2	26	0	0	0	0	0	0	0	0	0	0	0	0	1483	57	0	0	0	0
Bull Terrier (Miniature)	1953	99	415	22	253	7	9	0	0	0	0	0	0	0	0	0	0	1269	70	7	0	0	0
PLL	1953	99	415	22	253	7	9	0	0	0	0	0	0	0	0	0	0	1269	70	7	0	0	0
Bulldog	12765	843	2567	93	895	27	60	0	0	0	0	0	0	0	0	0	0	9146	723	97	0	0	0
HUU	12765	843	2567	93	895	27	60	0	0	0	0	0	0	0	0	0	0	9146	723	97	0	0	0
Cavalier King Charles Spaniel	44536	4517	6143	399	910	53	38	0	0	0	0	0	0	0	0	0	0	37392	4060	53	5	0	0
CC/DE	23011	2326	3174	200	303	19	2	0	0	0	0	0	0	0	0	0	0	19532	2107	0	0	0	0

EF	21525	2191	2969	199	607	34	36	0	0	0	0	0	0	0	0	0	0	17860	1953	53	5	0	0
Chinese Crested	1438	68	316	8	78	0	1	0	0	0	0	0	0	0	0	0	0	1043	60	0	0	0	0
PLL	1094	42	208	4	77	0	1	0	0	0	0	0	0	0	0	0	0	808	38	0	0	0	0
prcd-PRA	344	26	108	4	1	0	0	0	0	0	0	0	0	0	0	0	0	235	22	0	0	0	0
Collie (Rough)	1607	412	452	103	409	62	316	67	0	0	0	0	0	0	0	0	0	344	140	24	19	62	21
CEA/CH	266	106	37	8	37	12	97	38	0	0	0	0	0	0	0	0	0	55	23	18	13	22	12
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	391	109	96	26	132	31	52	8	0	0	0	0	0	0	0	0	0	105	38	6	6	0	0
MDR1	679	104	183	29	235	19	134	21	0	0	0	0	0	0	0	0	0	87	26	0	0	40	9
PRA (rcd2)	232	93	135	40	0	0	0	0	0	0	0	0	0	0	0	0	0	97	53	0	0	0	0
Collie (Smooth)	574	30	147	3	119	2	67	3	0	0	0	0	0	0	0	0	0	121	22	52	0	68	0
CEA/CH	61	3	24	1	19	1	3	1	0	0	0	0	0	0	0	0	0	8	0	7	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	181	24	62	2	12	0	0	0	0	0	0	0	0	0	0	0	0	87	22	0	0	0	0
MDR1	281	3	29	0	69	1	58	2	0	0	0	0	0	0	0	0	0	12	0	45	0	68	0
PRA (rcd2)	31	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0
Dachshund (Miniature Long Haired)	12386	1688	1010	88	690	18	56	0	0	0	0	0	0	0	0	0	0	10474	1582	154	0	2	0
PRA (cord1)	12386	1688	1010	88	690	18	56	0	0	0	0	0	0	0	0	0	0	10474	1582	154	0	2	0
Dachshund (Miniature Smooth Haired)	46028	4752	3060	164	1890	25	284	0	0	0	0	0	0	0	0	0	0	39861	4563	909	0	24	0
Lafora's	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRA (cord1)	46028	4752	3060	164	1890	25	284	0	0	0	0	0	0	0	0	0	0	39861	4563	909	0	24	0
Dachshund (Miniature Wire Haired)	12376	1246	1181	63	384	5	43	0	0	0	0	0	0	0	0	0	0	10709	1178	59	0	0	0
Lafora's	6007	649	516	27	225	2	38	0	0	0	0	0	0	0	0	0	0	5195	620	33	0	0	0
PRA (cord1)	6369	597	665	36	159	3	5	0	0	0	0	0	0	0	0	0	0	5514	558	26	0	0	0
Dachshund (Smooth Haired)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
PRA (cord1)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Dalmatian	202	45	16	5	120	30	66	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USD/ LUA	202	45	16	5	120	30	66	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dobermann	6312	359	589	34	297	18	14	1	0	0	0	0	0	0	0	0	0	5361	306	51	0	0	0
vWD	6312	359	589	34	297	18	14	1	0	0	0	0	0	0	0	0	0	5361	306	51	0	0	0
English Setter	16	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
NCL8	8	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
PRA (rcd4)	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entlebucher Mountain Dog (Imp)	13	3	9	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
prcd-PRA	13	3	9	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Finnish Lapphund	1007	57	208	8	57	0	1	0	0	0	0	0	0	0	0	0	0	738	49	3	0	0	0
GSD (II)	539	37	104	5	0	0	0	0	0	0	0	0	0	0	0	0	0	435	32	0	0	0	0
prcd-PRA	467	20	103	3	57	0	1	0	0	0	0	0	0	0	0	0	0	303	17	3	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	35699	1222	7627	186	833	12	78	0	0	0	0	0	0	0	0	0	0	27068	1019	92	5	1	0
DM	10531	443	2933	69	796	11	78	0	0	0	0	0	0	0	0	0	0	6631	358	92	5	1	0
HC-HSF4	25168	779	4694	117	37	1	0	0	0	0	0	0	0	0	0	0	0	20437	661	0	0	0	0
German Shepherd Dog	4911	885	1082	115	358	35	56	4	0	0	0	0	0	0	0	0	0	3342	708	73	23	0	0
DM (CDRM)	4911	885	1082	115	358	35	56	4	0	0	0	0	0	0	0	0	0	3342	708	73	23	0	0
German Wirehaired Pointer	5225	325	409	7	1	0	0	0	0	0	0	0	0	0	0	0	0	4815	318	0	0	0	0
vWD	5225	325	409	7	1	0	0	0	0	0	0	0	0	0	0	0	0	4815	318	0	0	0	0
Giant Schnauzer	759	156	148	18	6	1	0	0	0	0	0	0	0	0	0	0	0	605	137	0	0	0	0
DCM	293	55	49	4	0	0	0	0	0	0	0	0	0	0	0	0	0	244	51	0	0	0	0
PRA5	323	62	54	7	0	0	0	0	0	0	0	0	0	0	0	0	0	269	55	0	0	0	0
prcd-PRA	143	39	45	7	6	1	0	0	0	0	0	0	0	0	0	0	0	92	31	0	0	0	0
Glen Of Imaal Terrier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRA (rcd3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gordon Setter	2386	2260	516	491	385	378	73	65	0	0	0	0	0	0	0	0	0	1184	1104	222	216	6	6
PRA (rcd4)	2386	2260	516	491	385	378	73	65	0	0	0	0	0	0	0	0	0	1184	1104	222	216	6	6
Great Dane	828	77	188	17	16	1	1	0	0	0	0	0	0	0	0	0	0	623	59	0	0	0	0
IMGD	828	77	188	17	16	1	1	0	0	0	0	0	0	0	0	0	0	623	59	0	0	0	0
Greyhound	95	1	20	1	5	0	0	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0
GN	95	1	20	1	5	0	0	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	0
Hungarian Wire Haired Vizsla	1708	260	300	16	204	12	20	0	0	0	0	0	0	0	0	0	0	1134	232	50	0	0	0
HUJ	1708	260	300	16	204	12	20	0	0	0	0	0	0	0	0	0	0	1134	232	50	0	0	0
Irish Red & White Setter	2426	94	124	3	3	0	0	0	0	0	0	0	0	0	0	0	0	2299	91	0	0	0	0
CLAD	1225	53	58	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1167	50	0	0	0	0
vWD	1201	41	66	0	3	0	0	0	0	0	0	0	0	0	0	0	0	1132	41	0	0	0	0
Irish Setter	33706	1814	1604	70	785	7	89	2	0	0	0	0	0	0	0	0	0	30775	1735	420	0	33	0
CLAD	13566	727	226	20	1	0	0	0	0	0	0	0	0	0	0	0	0	13339	707	0	0	0	0
PRA (rcd1)	13041	722	356	20	0	0	0	0	0	0	0	0	0	0	0	0	0	12685	702	0	0	0	0
PRA (rcd4)	7099	365	1022	30	784	7	89	2	0	0	0	0	0	0	0	0	0	4751	326	420	0	33	0
Irish Terrier	595	90	148	13	5	0	0	0	0	0	0	0	0	0	0	0	0	442	77	0	0	0	0
HFH	595	90	148	13	5	0	0	0	0	0	0	0	0	0	0	0	0	442	77	0	0	0	0

Retriever (Chesapeake Bay)	1228	44	161	4	42	0	4	0	0	0	0	0	0	0	0	0	0	1021	40	0	0	0	0
DM	724	17	107	2	41	0	4	0	0	0	0	0	0	0	0	0	0	572	15	0	0	0	0
prcd-PRA	502	27	52	2	1	0	0	0	0	0	0	0	0	0	0	0	0	449	25	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	0	0
Retriever (Golden)	50914	7860	5121	618	780	133	165	21	0	0	0	0	0	0	0	0	0	44300	6979	522	109	26	0
GR_PRA1	23491	3277	2205	241	125	7	5	0	0	0	0	0	0	0	0	0	0	21131	3029	25	0	0	0
GR_PRA2	22606	3242	2146	228	96	12	0	0	0	0	0	0	0	0	0	0	0	20356	3002	8	0	0	0
ICT-A	4817	1341	770	149	559	114	160	21	0	0	0	0	0	0	0	0	0	2813	948	489	109	26	0
Retriever (Labrador)	338022	56524	32578	3784	3481	264	151	7	0	0	0	0	0	0	0	0	0	301351	52433	461	36	0	0
CNM	96734	14677	7406	866	295	12	11	0	0	0	0	0	0	0	0	0	0	89022	13799	0	0	0	0
EIC	64917	11229	6519	596	812	62	52	1	0	0	0	0	0	0	0	0	0	57359	10555	175	15	0	0
HNPk	29380	7122	5363	661	319	23	15	2	0	0	0	0	0	0	0	0	0	23626	6436	57	0	0	0
prcd-PRA	96302	13049	7011	841	1040	70	39	2	0	0	0	0	0	0	0	0	0	88056	12115	156	21	0	0
prcd-PRA (linkage)	122	0	109	0	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SD2	50567	10447	6170	820	1003	97	33	2	0	0	0	0	0	0	0	0	0	43288	9528	73	0	0	0
Retriever (Nova Scotia Duck Tolling)	4776	204	544	22	142	4	27	2	9	1	0	0	0	0	0	0	0	4049	175	3	0	0	0
CEA/CH	1963	65	165	8	20	1	0	0	0	0	0	0	0	0	0	0	0	1778	56	0	0	0	0
CEA/CH (linkage)	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DE	428	19	71	2	16	1	0	0	0	0	0	0	0	0	0	0	0	341	16	0	0	0	0
DM	791	49	153	3	35	2	0	0	0	0	0	0	0	0	0	0	0	603	44	0	0	0	0
JADD	36	3	0	0	0	0	0	0	0	0	27	2	9	1	0	0	0	0	0	0	0	0	0
prcd-PRA	1553	68	150	9	71	0	2	0	0	0	0	0	0	0	0	0	0	1327	59	3	0	0	0
prcd-PRA (linkage)	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rhodesian Ridgeback	3251	520	544	60	75	6	1	1	0	0	0	0	0	0	0	0	0	2631	453	0	0	0	0
JME	3251	520	544	60	75	6	1	1	0	0	0	0	0	0	0	0	0	2631	453	0	0	0	0
Rottweiler	5740	965	1209	173	138	15	0	0	0	0	0	0	0	0	0	0	0	4393	777	0	0	0	0
JLPP	5098	698	928	89	112	4	0	0	0	0	0	0	0	0	0	0	0	4058	605	0	0	0	0
LEMP	5	4	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
LEMP-2	637	263	279	82	24	9	0	0	0	0	0	0	0	0	0	0	0	334	172	0	0	0	0
Russian Black Terrier	429	22	134	6	120	5	21	1	0	0	0	0	0	0	0	0	0	136	10	18	0	0	0
HUU	281	7	77	2	108	4	21	1	0	0	0	0	0	0	0	0	0	57	0	18	0	0	0
JLPP	148	15	57	4	12	1	0	0	0	0	0	0	0	0	0	0	0	79	10	0	0	0	0
Saluki	83	5	44	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0
Sal-NCL	83	5	44	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
Schipperke	135	4	36	0	2	0	0	0	0	0	0	0	0	0	0	0	0	97	4	0	0	0	0
MPSIIB	135	4	36	0	2	0	0	0	0	0	0	0	0	0	0	0	0	97	4	0	0	0	0
Schnauzer	814	95	86	4	1	0	0	0	0	0	0	0	0	0	0	0	0	727	91	0	0	0	0
DCM	814	95	86	4	1	0	0	0	0	0	0	0	0	0	0	0	0	727	91	0	0	0	0
Sealyham Terrier	1171	64	201	10	186	7	9	0	0	0	0	0	0	0	0	0	0	772	47	3	0	0	0
PLL	1171	64	201	10	186	7	9	0	0	0	0	0	0	0	0	0	0	772	47	3	0	0	0
Shar Pei	1102	64	306	16	128	6	20	0	0	0	0	0	0	0	0	0	0	635	42	13	0	0	0
POAG/PLL	1102	64	306	16	128	6	20	0	0	0	0	0	0	0	0	0	0	635	42	13	0	0	0
Shetland Sheepdog	2510	542	1073	246	437	47	91	13	0	0	0	0	0	0	0	0	0	857	233	48	3	4	0
CEA/CH	529	77	205	39	116	17	8	7	0	0	0	0	0	0	0	0	0	200	14	0	0	0	0
CEA/CH (linkage)	133	0	67	0	63	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MDR1	693	107	234	33	230	27	79	6	0	0	0	0	0	0	0	0	0	98	38	48	3	4	0
PRA (BBS2-PRA)	448	122	198	59	28	3	1	0	0	0	0	0	0	0	0	0	0	221	60	0	0	0	0
PRA (CNGA1-PRA)	459	141	203	58	0	0	0	0	0	0	0	0	0	0	0	0	0	256	83	0	0	0	0
vWD	248	95	166	57	0	0	0	0	0	0	0	0	0	0	0	0	0	82	38	0	0	0	0
Spaniel (American Cocker)	85	17	51	10	6	1	0	0	0	0	0	0	0	0	0	0	0	28	6	0	0	0	0
prcd-PRA	85	17	51	10	6	1	0	0	0	0	0	0	0	0	0	0	0	28	6	0	0	0	0
Spaniel (Clumber)	3992	289	562	47	183	2	8	0	0	0	0	0	0	0	0	0	0	3229	240	10	0	0	0
EIC	1486	137	288	21	179	2	8	0	0	0	0	0	0	0	0	0	0	1001	114	10	0	0	0
PDP-1	2506	152	274	26	4	0	0	0	0	0	0	0	0	0	0	0	0	2228	126	0	0	0	0
Spaniel (Cocker)	208188	30950	24311	1866	1527	76	104	2	0	0	0	0	0	0	0	0	0	181719	29001	527	5	0	0
AMS	40489	8560	6671	607	403	26	7	1	0	0	0	0	0	0	0	0	0	33394	7921	14	5	0	0
AON	6739	1800	1059	133	55	2	2	0	0	0	0	0	0	0	0	0	0	5618	1665	5	0	0	0
FN	88468	11040	8726	569	44	2	0	0	0	0	0	0	0	0	0	0	0	79698	10469	0	0	0	0
prcd-PRA	72338	9550	7711	557	1016	46	94	1	0	0	0	0	0	0	0	0	0	63009	8946	508	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	0
Spaniel (English Springer)	47996	5151	8222	627	488	33	26	3	0	0	0	0	0	0	0	0	0	39171	4482	89	6	0	0
AMS	5173	903	1477	167	22	0	0	0	0	0	0	0	0	0	0	0	0	3674	736	0	0	0	0
Fucco	18427	1646	2364	151	18	1	0	0	0	0	0	0	0	0	0	0	0	16045	1494	0	0	0	0
PFK	7185	1095	1718	163	1	0	2	1	0	0	0	0	0	0	0	0	0	5464	931	0	0	0	0
PRA (cord1)	17211	1507	2663	146	447	32	24	2	0														

