

Laboklin GmbH & Co. KG · Steubenstraße 4 · 97688 Bad Kissingen

Veterinarni lekar
MVDr. Pavel Krzystek
Jeznicka 1743/32
79401 Krnov
Tschechien

Zprava cislo:	2303-W-19337
Datum doruceni:	21.03.2023
Datum zpravy:	12.04.2023
Zahajeni vysetreni:	21.03.2023
Ukonceni vysetreni:	12.04.2023
Stav zpravy:	Zaverecna zprava

Druh:	Pes
Plemeno:	Leonberger
Pohlavi:	samice
Jméno:	Agilla od Pistovny
Cislo cipu:	203164000136781
Vek:	16.04.2021
Druh vzorku:	plna krev
Datum odberu vzorku:	16.03.2023
Vzorek odebral/a:	MVDr. Pavel Krzystek
Majitel:	Sousek, Richard
Klub:	MSKCHPL
ID:	---

Laryngeal paralysis with polyneuropathy type 3 (LPPN3) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype-allele. It does not carry the causal mutation for LPPN3 in the CNTNAP1 gene.

Trait of inheritance: autosomal recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Labrador Retriever, Leonberger, Saint Bernard

Leukoencephalomyelopathy (LEMP) - PCR

Result: Genotype N/N

Interpretation: The examined animal is homozygous for the wildtype allele. It does not carry the causative mutation for LEMP in the NAPEPLD gene.

Trait of inheritance: autosomal recessive

Scientific studies found correlation between the mutation and symptoms of the disease in the following breeds: Leonberger

Leonberger Polyneuropathy 1 (LPN1) - PCR

Vysledek: genotyp N/N

Interpretace: Vysetrovane zvire je homozygot pro divoky typ alely. Neni nositelem kauzalni mutace pro LPN1 v genu ARHGEF10.

Zpusob dedicnosti: autozomalne recesivni

Korelace mezi mutaci a symptomy onemocneni byla popsana u nasledujicich plemen: leonberger.
Poznamka: u tohoto plemene existuje vice mutaci vedoucich k neuropatii.

Polyneuropatie leonbergu 2 (LPN2) - PCR

Vysledek: genotyp N/N

Interpretace: Vysetrovane zvire je homozygot pro divoky typ alely. Neni nositelem kauzalni mutace pro LPN2 v genu GJA9 Gen.

Zpusob dedicnosti: autozomalne dominant

Korelace mezi mutaci a symptomy onemocneni byla prokazana u nasledujicich plemen: leonberger
POZOR: U tohoto plemene existuji dalsi kauzalni mutace pro polyneuropatii.

Odesilatel je zodpovedny za spravne oznaceni vzorku, laborator za informace dodane odesilatelem nenese zadnou zodpovednost. Jakekoliv naroky na kompenzaci se omezují na provedene testy.

Existuje moznost, ze je dane onemocneni/fenotyp zpusobeno jinymi mutacemi. Analyza byla provedena na zaklade nejnovějších poznatku a technologii.

Laborator je akreditovana k provadeni uvedených testu dle DIN EN ISO/IEC 17025:2018). (krome partnerskych laboratoru).

Premiový SNP DNA-profil (ISAG 2020)

001_012:	AA_GG_AG_AA_AG_AG_AA_AG_GG_AC_AA_GG
013-024:	GG_GG_AG_AG_AG_AA_AA_AA_AG_AA_GG_GG
025-036:	GG_GG_AG_AA_AG_AG_AA_AA_AA_AG_GG_AA
037-048:	GG_AA_CC_AA_AG_GG_AG_GG_AG_AA_AA_AG
049-060:	AG_AA_AA_AC_AG_GG_AG_AA_AA_GG_AG_AA
061-072:	AA_AC_AG_GG_GG_AA_AG_GG_GG_AG_AC_AC
073-084:	AG_AA_AG_AA_AC_GG_GG_AG_AA_GG_AA_CC
085-096:	GG_AA_AA_AG_GG_AG_AA_GG_AA_AG_GG_AA
097-108:	GG_GG_GG_AG_AG_CC_GG_CC_AG_GG_AA_AA
109-120:	GG_GG_AC_AA_GG_AA_AG_GG_AG_AG_AA_AG
121-132:	GG_AG_AG_AA_GG_AG_AG_GG_AA_AG_GG_GG
133-144:	GG_GG_AA_AA_AG_AG_AA_AA_GG_AA_AG_AA
145-156:	GG_GG_AA_AG_GG_AA_GG_AC_AG_AA_AG_GG
157-168:	AG_AG_AG_AA_AA_AA_CC_GG_GG_GG_CC_GG
169-180:	AA_GG_AA_GG_AG_AG_AG_AG_AG_GG_AA_AA
181-192:	GG_AA_GG_AG_AA_GG_AG_AG_AA_GG_AG_AG
193-204:	AA_AG_AA_AG_AG_AG_AG_AG_GG_GG_AG_AA
205-216:	AA_AA_GG_AA_AA_AA_AA_AA_GG_AG_AG_AG
217-228:	AG_AG_AA_CC_GG_AA_GG_GG_GG_AA_CC_AG
229-230:	AC_AA
sex:	X/X

Information on the Premium SNP DNA Profile

The Premium SNP DNA Profile is your animal's genetic fingerprint and uniquely identifies it. It remains the same throughout the animal's life and cannot be manipulated. Every one of the DNA profiles created in our laboratory is saved in our DNA database and is available to you permanently. The DNA profile does not contain any information on traits or diseases of your pet. The Premium SNP DNA Profile evaluates all of the SNPs recommended by the ISAG from (1) the core panel and (2) the auxiliary panel (numbers 001-230). The following table lists the corresponding internationally valid ISAG nomenclature (Cfa_Chromosom:Position) of the examined SNPs.

Num Panel Chr:Pos

001	1	Cfam_1:3962719	002	1	Cfam_1:20842130	003	1	Cfam_1:70238933	004	1	Cfam_1:80971770	005	1	Cfam_1:106430955
006	1	Cfam_1:119414584	007	1	Cfam_2:2610859	008	1	Cfam_2:38293797	009	1	Cfam_2:77806065	010	1	Cfam_3:1252765
011	1	Cfam_3:24757939	012	1	Cfam_3:73570828	013	1	Cfam_4:31301072	014	1	Cfam_4:64121754	015	1	Cfam_4:75910211
016	1	Cfam_4:86049027	017	1	Cfam_5:5410890	018	1	Cfam_5:26320165	019	1	Cfam_5:85451804	020	1	Cfam_6:11553458
021	1	Cfam_6:33976751	022	1	Cfam_6:64006720	023	1	Cfam_7:76294	024	1	Cfam_7:15011628	025	1	Cfam_7:36555518
026	1	Cfam_8:5291824	027	1	Cfam_8:18121580	028	1	Cfam_8:45852939	029	1	Cfam_8:63196958	030	1	Cfam_9:22610227
031	1	Cfam_9:40096141	032	1	Cfam_9:52710991	033	1	Cfam_9:60437147	034	1	Cfam_10:10652659	035	1	Cfam_10:22409408
036	1	Cfam_10:30034450	037	1	Cfam_10:66922269	038	1	Cfam_11:5318488	039	1	Cfam_11:23907101	040	1	Cfam_11:65603333
041	1	Cfam_12:5579055	042	1	Cfam_12:35306641	043	1	Cfam_12:55201839	044	1	Cfam_12:68125319	045	1	Cfam_13:8704192
046	1	Cfam_13:59896033	047	1	Cfam_14:50063321	048	1	Cfam_14:58465266	049	1	Cfam_15:19299365	050	1	Cfam_15:22834903
051	1	Cfam_16:29634940	052	1	Cfam_16:46884446	053	1	Cfam_16:57958947	054	1	Cfam_17:10649078	055	1	Cfam_17:34462308
056	1	Cfam_17:39124697	057	1	Cfam_18:6745949	058	1	Cfam_18:54361347	059	1	Cfam_19:841347	060	1	Cfam_19:15926130
061	1	Cfam_19:27288167	062	1	Cfam_19:47470564	063	1	Cfam_20:13740894	064	1	Cfam_20:49900586	065	1	Cfam_20:57167714
066	1	Cfam_21:15558670	067	1	Cfam_21:25537675	068	1	Cfam_21:35719434	069	1	Cfam_22:641125	070	1	Cfam_22:26694580
071	1	Cfam_22:55308193	072	1	Cfam_23:42886681	073	1	Cfam_23:50772488	074	1	Cfam_24:23393510	075	1	Cfam_24:29909901
076	1	Cfam_24:47381908	077	1	Cfam_25:2073511	078	1	Cfam_25:33986348	079	1	Cfam_25:47708600	080	1	Cfam_26:20004896
081	1	Cfam_26:35071515	082	1	Cfam_27:2619058	083	1	Cfam_27:22599860	084	1	Cfam_27:41049333	085	1	Cfam_28:9877730
086	1	Cfam_28:18509221	087	1	Cfam_28:38885325	088	1	Cfam_29:251970	089	1	Cfam_29:9625359	090	1	Cfam_29:17561258
091	1	Cfam_29:36319325	092	1	Cfam_30:3896482	093	1	Cfam_30:15542105	094	1	Cfam_30:32852404	095	1	Cfam_31:21068798
096	1	Cfam_31:39391935	097	1	Cfam_32:679380	098	1	Cfam_32:17792284	099	1	Cfam_32:32382778	100	1	Cfam_33:15018500
101	1	Cfam_33:23742061	102	1	Cfam_34:195313	103	1	Cfam_34:24396298	104	1	Cfam_35:15345329	105	1	Cfam_36:3565500
106	1	Cfam_36:12714421	107	1	Cfam_36:23459390	108	1	Cfam_37:9398945	109	1	Cfam_37:15436615	110	1	Cfam_37:27667297
111	1	Cfam_38:9224942	112	1	Cfam_38:17657161	113	1	Cfam_38:20441216	114	2	Cfam_1:72613047	115	2	Cfam_1:74450772
116	2	Cfam_1:119306331	117	2	Cfam_3:10255068	118	2	Cfam_3:37849557	119	2	Cfam_3:43055696	120	2	Cfam_3:43063677
121	2	Cfam_3:64084413	122	2	Cfam_3:90291255	123	2	Cfam_3:91626907	124	2	Cfam_4:42104780	125	2	Cfam_4:67040898
126	2	Cfam_4:70217695	127	2	Cfam_5:13080303	128	2	Cfam_5:36642434	129	2	Cfam_5:44650576	130	2	Cfam_5:55349573
131	2	Cfam_5:64611038	132	2	Cfam_7:3318809	133	2	Cfam_7:6423299	134	2	Cfam_7:15017979	135	2	Cfam_7:76487265
136	2	Cfam_8:6188937	137	2	Cfam_8:19076567	138	2	Cfam_8:24614720	139	2	Cfam_8:52381322	140	2	Cfam_8:67183794
141	2	Cfam_9:20867959	142	2	Cfam_9:32506288	143	2	Cfam_9:50114927	144	2	Cfam_9:56021221	145	2	Cfam_10:8085469
146	2	Cfam_10:14685262	147	2	Cfam_10:39548483	148	2	Cfam_10:47923623	149	2	Cfam_10:57954366	150	2	Cfam_11:1161870
151	2	Cfam_11:62157625	152	2	Cfam_11:70698603	153	2	Cfam_12:6337286	154	2	Cfam_12:8532712	155	2	Cfam_12:23059939
156	2	Cfam_12:40681020	157	2	Cfam_12:70657733	158	2	Cfam_13:40616856	159	2	Cfam_14:55735620	160	2	Cfam_16:29675662
161	2	Cfam_16:58093031	162	2	Cfam_17:9407683	163	2	Cfam_17:12787849	164	2	Cfam_17:57371669	165	2	Cfam_18:10189759
166	2	Cfam_18:16385020	167	2	Cfam_18:16388978	168	2	Cfam_18:31579269	169	2	Cfam_18:47325586	170	2	Cfam_19:30246414
171	2	Cfam_19:40189405	172	2	Cfam_19:42756283	173	2	Cfam_20:6046176	174	2	Cfam_20:45777531	175	2	Cfam_20:48602465
176	2	Cfam_21:22581321	177	2	Cfam_21:29796784	178	2	Cfam_21:31751817	179	2	Cfam_22:20498421	180	2	Cfam_22:33934047
181	2	Cfam_22:37522364	182	2	Cfam_22:39647748	183	2	Cfam_22:61153661	184	2	Cfam_23:44497217	185	2	Cfam_23:48055836
186	2	Cfam_24:18599997	187	2	Cfam_24:27925354	188	2	Cfam_24:30954773	189	2	Cfam_24:43589304	190	2	Cfam_24:45191477
191	2	Cfam_25:4614777	192	2	Cfam_27:20948372	193	2	Cfam_27:34444177	194	2	Cfam_27:42526114	195	2	Cfam_28:9703418
196	2	Cfam_28:12804225	197	2	Cfam_28:34478533	198	2	Cfam_28:35104850	199	2	Cfam_29:4020192	200	2	Cfam_29:4022252
201	2	Cfam_29:19681270	202	2	Cfam_29:22992304	203	2	Cfam_30:10012939	204	2	Cfam_30:11735245	205	2	Cfam_30:27619023
206	2	Cfam_31:20912553	207	2	Cfam_32:13183511	208	2	Cfam_33:15233992	209	2	Cfam_33:22070526	210	2	Cfam_33:22472901
211	2	Cfam_33:22648231	212	2	Cfam_34:24351570	213	2	Cfam_34:34993916	214	2	Cfam_34:37323213	215	2	Cfam_34:41703614
216	2	Cfam_35:15283717	217	2	Cfam_36:288045	218	2	Cfam_36:9241262	219	2	Cfam_36:10084888	220	2	Cfam_36:12723744
221	2	Cfam_36:18627936	222	2	Cfam_37:18338930	223	2	Cfam_37:26611359	224	2	Cfam_37:28611801	225	2	Cfam_37:30110473
226	2	Cfam_37:30902202	227	2	Cfam_38:13098194	228	2	Cfam_38:15271384	229	2	Cfam_38:19172567	230	2	Cfam_38:20930997

Activation Code:

00850BE90253E65C

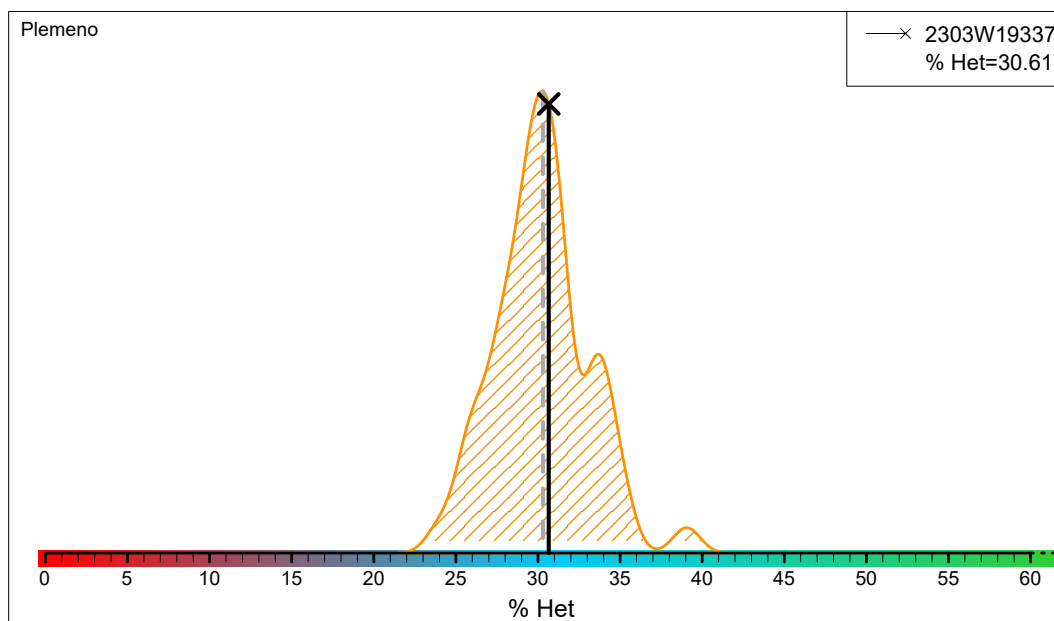
This activation code is used to display the Labogen Diversity Check online at diversity.labogen.com. The Labogen Diversity Check always shows the most up-to-date genetic breed data from the Premium SNP DNA profile (ISAG 2020).

Odber vzorku:

Nize podepsany odberateľ vzorku (veterinár, chovateľ) svym podpisem stvrdil, ze provedl kontrolu identity zviru, kteremu vzorek odebral:

MVDr. Pavel Krzystek

Geneticka variabilita (heterozygotnost)



Na tomto grafickem znazorneni vidite genetickou variabilitu (heterozygotnost) Vaseho zvirete. Heterozygotnost (%Het) popisuje procentualni podil na genetickych zvlastnostech (SNPs), ktere Vas pes podedil od matky a otce v ruznych variantach. Podle nejnovějších vedeckych poznatku jsou psi s vyssim stupnem heterozygotnosti v ramci plemene mene casto ovlivneni slechtenim nez psi s nizsim stupnem heterozygotnosti.

Pro vypocet heterozygotnosti pouzivame geneticky otisk prstu (premiovy SNP DNA-profil) stejne jako stovky dalsich genetickych charakteristik v DNA Vaseho psa. Vas pes je v grafu znazornen krizkem na jednoduche cerne linii.

Jakmile Laboklin vysetri dostatecne velky reprezentativni vzorek populace Vaseho plemene, vidite genetickou variabilitu cele populace Vaseho plemene jako oraznove vybarvenou oblast. Prumerna hodnota plemene je znazornena sedou prerusovanou linii.

Zvirata s vysokou heterozygotnosti v pomeru ke zbytku plemene mohou pomoci k zachovani genetické rozmanitosti daneho plemene. Pozor! Na zaklade heterozygotnosti nelze vyvozovat zavery co se tyce jednotlivych faktorů jako jsou dedicne nemoci nebo vnejsi znaky jako napr. barva srsti. Zachovani genetické variability muze byt stavebnim kamenem zodpovedneho chovu, ale nemuze na ni byt nahlizeno izolovane/byt zohlednovana jako jedina. Dalsi informace naleznete na nasi domovske strance:

<https://shop.labogen.com/en/premium-snp-dna-profile-isag-2020>

Slevy pro clený chovatelskych klubu byly uplatnene na vysetreni, na ktere se slevy vztahuji!

Vysledky vysetreni jsou platne pouze pro zaslaný vzorek. Vzorek je mozne vysetrit, pokud není uvedeno jinak. Za spravnost udaju vzorku odpovida zasilatel. Testovací protokol musi byt predan v plnem znění a beze zmen. Odchyly od metody musi byt pisemne schvaleny firmou Laboklin GmbH & Co. KG.

Fr. MSc. Michelle Meißler
Abt. Molekularbiologie

*** konec zpravy ***



Laboklin App