

DNA Profile Certificate:
ISAG 2020 Canine SNP Profile**MDD P&P**

Call name MDD P&P	Date of birth 2022-05-22	Genetic sex Male	Sample ID DNPPKTC
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Rebecca Foran, PhD
Head of R&D

The genetic testing conducted by Wisdom Panel™ was performed on a sample represented by the submitter as the dog/cat listed on this certificate. The results presented in this report are applicable solely to the items tested using the sample provided. These tests have been developed, and their accuracy and precision have been established and verified by Wisdom Panel, with a sensitivity and specificity exceeding 99.9%. It's important to note that this test is not intended for breed identification purposes. Due to the DNA-based nature of this method, rare genomic variations may occur, potentially leading to false results.

Should you believe that the results provided are in error, please promptly contact breeder@wisdompanel.com for further evaluation. In the event of a valid dispute concerning the results, Wisdom Panel will do its best to resolve such a claim to the customer's satisfaction. If, following an investigation conducted by Wisdom Panel in cooperation with the customer, no resolution can be reached, the customer's sole remedy will be a refund of the testing fee. Wisdom Panel shall not be held liable for any indirect, consequential, or incidental damages of any nature. Any claims must be submitted within 60 days of the report of the test results.

MDD P&P

Call name	Date of birth	Genetic sex
MDD P&P	2022-05-22	Male

SNP - ISAG 2020 Panel 1

1	Cfam_1:3962719	A/G	39	Cfam_11:23907101	A/A	77	Cfam_25:2073511	A/C
2	Cfam_1:20842130	A/G	40	Cfam_11:65603333	A/C	78	Cfam_25:33986348	A/A
3	Cfam_1:70238933	G/G	41	Cfam_12:5579055	A/G	79	Cfam_25:47708600	A/G
4	Cfam_1:80971770	A/A	42	Cfam_12:35306641	A/G	80	Cfam_26:20004896	A/A
5	Cfam_1:106430955	A/G	43	Cfam_12:55201839	A/G	81	Cfam_26:35071515	G/G
6	Cfam_1:119414584	A/G	44	Cfam_12:68125319	A/G	82	Cfam_27:2619058	A/A
7	Cfam_2:2610859	A/G	45	Cfam_13:8704192	A/G	83	Cfam_27:22599860	G/G
8	Cfam_2:38293797	A/G	46	Cfam_13:59896033	A/A	84	Cfam_27:41049333	C/C
9	Cfam_2:77806065	A/G	47	Cfam_14:50063321	G/G	85	Cfam_28:9877730	A/G
10	Cfam_3:1252765	A/C	48	Cfam_14:58465266	A/G	86	Cfam_28:18509221	A/A
11	Cfam_3:24757939	A/G	49	Cfam_15:19299365	A/A	87	Cfam_28:38885325	G/G
12	Cfam_3:73570828	A/A	50	Cfam_15:22834903	A/A	88	Cfam_29:251970	A/A
13	Cfam_4:31301072	A/G	51	Cfam_16:29634940	A/A	89	Cfam_29:9625359	A/G
14	Cfam_4:64121754	A/G	52	Cfam_16:46884446	A/A	90	Cfam_29:17561258	G/G
15	Cfam_4:75910211	A/G	53	Cfam_16:57958947	G/G	91	Cfam_29:36319325	C/C
16	Cfam_4:86049027	G/G	54	Cfam_17:10649078	G/G	92	Cfam_30:3896482	G/G
17	Cfam_5:5410890	A/A	55	Cfam_17:34462308	G/G	93	Cfam_30:15542105	A/G
18	Cfam_5:26320165	A/G	56	Cfam_17:39124697	A/A	94	Cfam_30:32852404	A/A
19	Cfam_5:85451804	G/G	57	Cfam_18:6745949	A/A	95	Cfam_31:21068798	G/G
20	Cfam_6:11553458	A/A	58	Cfam_18:54361347	A/A	96	Cfam_31:39391935	A/G
21	Cfam_6:33976751	G/G	59	Cfam_19:841347	G/G	97	Cfam_32:679380	G/G
22	Cfam_6:64006720	G/G	60	Cfam_19:15926130	A/A	98	Cfam_32:17792284	A/G
23	Cfam_7:76294	G/G	61	Cfam_19:27288167	A/A	99	Cfam_32:32382778	A/A
24	Cfam_7:15011628	A/G	62	Cfam_19:47470564	C/C	100	Cfam_33:15018500	G/G
25	Cfam_7:36555518	A/A	63	Cfam_20:13740894	G/G	101	Cfam_33:23742061	A/G
26	Cfam_8:5291824	G/G	64	Cfam_20:49900586	A/A	102	Cfam_34:195313	A/C
27	Cfam_8:18121580	G/G	65	Cfam_20:57167714	A/A	103	Cfam_34:24396298	A/G
28	Cfam_8:45852939	A/G	66	Cfam_21:15558670	G/G	104	Cfam_35:15345329	A/C
29	Cfam_8:63196958	A/G	67	Cfam_21:25537675	G/G	105	Cfam_36:3565500	A/A
30	Cfam_9:22610227	G/G	68	Cfam_21:35719434	A/G	106	Cfam_36:12714421	A/G
31	Cfam_9:40096141	A/A	69	Cfam_22:641125	G/G	107	Cfam_36:23459390	A/G
32	Cfam_9:52710991	G/G	70	Cfam_22:26694580	A/G	108	Cfam_37:9398945	G/G
33	Cfam_9:60437147	A/G	71	Cfam_22:55308193	A/C	109	Cfam_37:15436615	A/G
34	Cfam_10:10652659	A/G	72	Cfam_23:42886681	A/A	110	Cfam_37:27667297	A/A
35	Cfam_10:22409408	A/A	73	Cfam_23:50772488	A/A	111	Cfam_38:9224942	A/A
36	Cfam_10:30034450	G/G	74	Cfam_24:23393510	A/A	112	Cfam_38:17657161	A/G
37	Cfam_10:66922269	A/A	75	Cfam_24:29909901	A/A	113	Cfam_38:20441216	A/G
38	Cfam_11:5318488	A/G	76	Cfam_24:47381908	G/G			

SNP - ISAG 2020 Panel 2

1	Cfam_1:72613047	A/A	41	Cfam_12:8532712	A/A	81	Cfam_27:42526114	A/G
2	Cfam_1:74450772	A/A	42	Cfam_12:23059939	G/G	82	Cfam_28:9703418	A/G
3	Cfam_1:119306331	G/G	43	Cfam_12:40681020	A/A	83	Cfam_28:12804225	A/A
4	Cfam_3:10255068	G/G	44	Cfam_12:70657733	G/G	84	Cfam_28:34478533	A/G
5	Cfam_3:37849557	G/G	45	Cfam_13:40616856	G/G	85	Cfam_28:35104850	A/G
6	Cfam_3:43055696	A/G	46	Cfam_14:55735620	G/G	86	Cfam_29:4020192	G/G
7	Cfam_3:43063677	A/G	47	Cfam_16:29675662	C/C	87	Cfam_29:4022252	A/A
8	Cfam_3:64084413	G/G	48	Cfam_16:58093031	C/C	88	Cfam_29:19681270	G/G
9	Cfam_3:90291255	A/G	49	Cfam_17:9407683	G/G	89	Cfam_29:22992304	G/G
10	Cfam_3:91626907	A/G	50	Cfam_17:12787849	A/A	90	Cfam_30:10012939	G/G
11	Cfam_4:42104780	A/G	51	Cfam_17:57371669	A/G	91	Cfam_30:11735245	A/A
12	Cfam_4:67040898	G/G	52	Cfam_18:10189759	A/G	92	Cfam_30:27619023	A/A
13	Cfam_4:70217695	G/G	53	Cfam_18:16385020	A/G	93	Cfam_31:20912553	G/G
14	Cfam_5:13080303	A/G	54	Cfam_18:16388978	A/C	94	Cfam_32:13183511	A/A
15	Cfam_5:36642434	A/A	55	Cfam_18:31579269	A/G	95	Cfam_33:15233992	A/G
16	Cfam_5:44650576	G/G	56	Cfam_18:47325586	A/A	96	Cfam_33:22070526	A/G
17	Cfam_5:55349573	A/G	57	Cfam_19:30246414	A/G	97	Cfam_33:22472901	A/C
18	Cfam_5:64611038	G/G	58	Cfam_19:40189405	C/C	98	Cfam_33:22648231	A/G
19	Cfam_7:3318809	G/G	59	Cfam_19:42756283	A/G	99	Cfam_34:24351570	A/G
20	Cfam_7:6423299	G/G	60	Cfam_20:6046176	G/G	100	Cfam_34:34993916	A/A
21	Cfam_7:15017979	A/G	61	Cfam_20:45777531	A/A	101	Cfam_34:37323213	A/G
22	Cfam_7:76487265	G/G	62	Cfam_20:48602465	G/G	102	Cfam_34:41703614	A/A
23	Cfam_8:6188937	A/A	63	Cfam_21:22581321	A/A	103	Cfam_35:15283717	A/G
24	Cfam_8:19076567	A/G	64	Cfam_21:29796784	G/G	104	Cfam_36:288045	A/G
25	Cfam_8:24614720	A/A	65	Cfam_21:31751817	A/G	105	Cfam_36:9241262	A/A
26	Cfam_8:52381322	G/G	66	Cfam_22:20498421	G/G	106	Cfam_36:10084888	A/A
27	Cfam_8:67183794	A/A	67	Cfam_22:33934047	G/G	107	Cfam_36:12723744	A/C
28	Cfam_9:20867959	G/G	68	Cfam_22:37522364	A/A	108	Cfam_36:18627936	A/G
29	Cfam_9:32506288	A/A	69	Cfam_22:39647748	A/G	109	Cfam_37:18338930	C/C
30	Cfam_9:50114927	A/G	70	Cfam_22:61153661	A/A	110	Cfam_37:26611359	G/G
31	Cfam_9:56021221	A/A	71	Cfam_23:44497217	A/A	111	Cfam_37:28611801	A/G
32	Cfam_10:8085469	A/A	72	Cfam_23:48055836	C/C	112	Cfam_37:30110473	G/G
33	Cfam_10:14685262	A/G	73	Cfam_24:18599997	A/A	113	Cfam_37:30902202	A/G
34	Cfam_10:39548483	G/G	74	Cfam_24:27925354	A/A	114	Cfam_38:13098194	C/C
35	Cfam_10:47923623	G/G	75	Cfam_24:30954773	A/A	115	Cfam_38:15271384	A/A
36	Cfam_10:57954366	A/G	76	Cfam_24:43589304	A/G	116	Cfam_38:19172567	C/C
37	Cfam_11:1161870	A/G	77	Cfam_24:45191477	A/A	117	Cfam_38:20930997	A/A
38	Cfam_11:62157625	A/G	78	Cfam_25:4614777	A/G	SEX	Cfam_x:7828353	X/Y
39	Cfam_11:70698603	A/A	79	Cfam_27:20948372	G/G			
40	Cfam_12:6337286	A/A	80	Cfam_27:34444177	A/A			



Scan to view certificate at
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Sample ID: DSPRRRY
ISAG 2020 Canine SNP Profile

Parentage Certificate

MDD Offspring

Parentage analysis

EXCLUDED AS OFFSPRING

Sire: MDD P&P

Call name MDD Offspring	Date of birth 2022-04-15	Tattoo number 12344500	Sample ID DSPRRRY
Breed Afghan Hound Basset Bleu de Gascogne Bernese Mountain Dog	Genetic sex Male	Microchip number 22334444	
Kennel Club or Registry Canadian Kennel Club			
Registration number 123456			

Rebecca Foran, PhD
Head of R&D



The genetic testing conducted by Wisdom Panel™ was performed on a sample represented by the submitter as the dog/cat listed on this certificate. The results presented in this report are applicable solely to the items tested using the sample provided. These tests have been developed, and their accuracy and precision have been established and verified by Wisdom Panel, with a sensitivity and specificity exceeding 99.9%. It's important to note that this test is not intended for breed identification purposes. Due to the DNA-based nature of this method, rare genomic variations may occur, potentially leading to false results. Parentage testing is based on exclusion probability. While ISAG SNP-based parentage testing is highly accurate, exceptions may occur in which non parent-offspring pairs qualify. This is rare, but more likely in low diversity breeds or with single parent testing.

Should you believe that the results provided are in error, please promptly contact breeder@wisdompanel.com for further evaluation. In the event of a valid dispute concerning the results, Wisdom Panel will do its best to resolve such a claim to the customer's satisfaction. If, following an investigation conducted by Wisdom Panel in cooperation with the customer, no resolution can be reached, the customer's sole remedy will be a refund of the testing fee. Wisdom Panel shall not be held liable for any indirect, consequential, or incidental damages of any nature. Any claims must be submitted within 60 days of the report of the test results.