



Owner and Dog name

Canine Behavior and Genetics Project

University of Pennsylvania

Canine Performance and Genetics Study

This questionnaire represents the first step in identifying dogs who can do certain tasks or problem solve well. The ability to perform some tasks may have a genetic component, and this questionnaire is part of our first step in learning whether this is true. The rationale for the questionnaire is explained in its introduction. We are soliciting the same type of information from people who have **pet dogs** and from those who handle **detection and other "working" dogs of all kinds**. This particular version of the questionnaire has been altered to make it much shorter by removing questions that pertain only to detection dogs. If you are willing to participate in any other parts of this study, or provide us with other information, please tick the associated boxes below. We will be contacting you! Many, many thanks!

Please tick the following boxes if you wish to help further:

- I am willing and able to send you a pedigree for the dog noted on this questionnaire.
- I am interested in participating in a study that assesses how well my dog hears and how she or he reacts to certain noises. This involves videotaping the dog while he or she listens to a 3 + minute DVD (complete instructions will follow).
- I am interested in participating in a study that assesses whether my dog is right or left handed. This involves videotaping the dog while he or she manipulates a food toy for 5 minutes (complete instructions will follow).

Statement of informed consent

By signing below, you agree that all samples, questionnaires, and laboratory results become the joint property of the University of Pennsylvania and its researchers. Your participation, and all data submitted, remain **confidential**. Neither you nor your dog(s) will be identified at any time. We will not release information about your dog, your dog's health information, your dog's genetic information, or you to the public. The only persons with such access will be the researchers involved in these studies which are part of the Canine Behavior and Genetics Project.

Signature of Owner/Agent and date:

Thank you for your participation – we could not do this work without you.

Questions for assessment of behaviors desirable for detection canines (ABDC screen)

This questionnaire focuses on the behaviors of detector dogs, and how these behaviors may differ from those of pet dogs, including those who herd, compete or may do other non-detection tasks. We are asking pet owners, handlers and trainers to complete some version of this questionnaire so that we can learn what behaviors exhibited by dogs are associated with successful work. We have tried to make it easy for pet owners to answer these questions by removing versions of same questions pertaining only to detection dogs when working. Accordingly, you will note a coded numbering system that allows us to automatically enter 'pet dog' into the data base for non-relevant questions, while entering your answers in a way they can be compared to those for detection dogs.

No universal assessment tool exists for detection dogs. Please help us complete the first phase of this project: identifying what successful dogs look like in terms of behavior.

This questionnaire has 6 parts:

- I. Questions about the working tasks in which you and your dog are engaged
- II. Questions about rewards that you may use; this part has 2 subsections
 - a. Food reward questions
 - b. Toy / object reward questions
- III. Environmental questions
- IV. General behavioral of the pet or working dog
- V. Husbandry information
- VI. General behavioral history questionnaire

We know that this is a long questionnaire. It has taken most people who tried an early version an hour or less to complete. Please feel free to complete the 6 parts in separate, very short sessions. We have put breaks between these sections so that it is easy to complete each section in a separate block of time if this helps you. We want accurate – not rushed – answers, and the last question is as important to us as the first.

We also know that the format of some of these questions is odd. This is so that computer data entry is facilitated and complete analysis is possible. This analysis will also allow us to shorten and modify future questionnaires.

The intent is to identify factors that make detection canines suitable for and talented at their jobs. At our time in history this is an urgent issue. We cannot thank you enough for helping to collect data which may move the field of canine detection forward. If you have any questions about any aspects of this questionnaire, please contact Dr. Karen Overall. Complete contact information is listed below. Many thanks.

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I. Demographic information:

Your information:

1. Owner's or client's name (first and last names):	
2. Owner's or client's kennel name (if applicable):	
3. Owner's / client's address (please include country):	
4. Owner's / client's HOME phone number:	
5. Owner's / client's OFFICE phone number:	
6. Owner's / client's fax number:	
7. Owner's / client's e-mail address:	

The rest of the questionnaire concerns information about the dog participating in this study.

1. Dog's Name (Registered name and Call name, if applicable):			
	YES	Specify awards and trials/organizations:	NO
2. Does this dog have any trial placements (working dogs), awards, or titles?	()		()
3. (4) Breed of Dog:			
4. (10) Sex of Dog:	() Male	() Female	
	() Castrated?	() Spayed?	
5. If applicable, how old was the dog when spayed or neutered?	_____ months old () unknown		
6. Has this dog been bred?	() Yes	() No	() unknown
7. If you have not yet bred this dog, do you plan on breeding him or her?	() Yes	() No	() not sure
8. Your dog's weight?	_____ KG OR _____ LBS		
9. (7) What color is your dog? (e.g. Black, Brindle, Black/Tan, etc.)			
10. (9) What is the EYE color of your dog?	Left eye:	Right eye:	
11. (8) What is the NOSE color of your dog?			
12. (6) Dog's date of birth (please estimate if unknown):	Day _____	Month _____	Year _____
13. (3) What is the source of this dog?	1. private breeder 2. humane shelter 3. rescue organization 5. service dog organization (e.g., CCI, Guide Dogs)		

	6. Other (please specify):
14. (5) When you obtained this dog, what type of training did it have?	<ol style="list-style-type: none"> 1. none 2. basic manners training 3. some obedience training 4. CGC or other titled training 5. fully trained for some job (e.g., a retired guide dog)
15. (12) How is the dog maintained at home (please choose all that apply)?	<ol style="list-style-type: none"> 1. indoors – loose 2. indoors – crate/kennel 3. outdoors – yard 4. outdoors – run/kennel 5. outdoors – loose (unsupervised) 6. outdoors – loose (supervised)

End of section I.

Introduction and instructions for parts II-VI of the questionnaire focusing on assessment information:

All of the questions below pertain to the discipline for which your **detection dog or pet dog** is/ was trained and how the training and behavior differs between these groups of dogs. Most questions refer to your particular dog, *but some questions refer to dogs desirable for the intended task, in general.* Not everyone will know the answer for all of these questions for their dog(s). If none of the answers that we have provided suit you or your situation, please don't guess – choose “*I don't know*” - or tell us *what the problem is and why these answers do not work for you.* In this way we can improve future questionnaires.

The final section evaluates general behaviors associated with potentially problematic situations in **any** dog. ***It has been validated*** for a wide variety of dogs and is successful at flagging behaviors that may interfere with work under some conditions. Once we can characterize dogs who are now working, we will begin to test questions that might predict which dogs should be trained for work.

Finally, if you wish to comment in paragraph form – please do so. This will help us develop future generations of these questionnaires.

II. Reward / reinforcement based questions

<p>1a. What rewards are used for <i>your detection dog</i> when he or she correctly gives <i>the trained response to a substance</i>?</p>	<p>1b. If you are a <i>pet dog owner</i>, what rewards are used for correct behaviors?</p>
<p>a. NA – I use no rewards b. food (describe) _____ c. toy (describe) _____ d. towel e. chewstick f. rod g. click h. praise i. other (describe) _____</p>	<p>a. NA – I use no rewards b. food (describe) _____ c. toy (describe) _____ d. praise e. other (describe) _____</p>

If you are holding a toy or food in front of you and at chest level so that your dog can see toy or food, how long will the dog look at or ‘focus’ on the toy or food without looking away at other things ongoing in the environment, IF YOU ARE...

<p>2. STANDING QUIETLY?</p>	<p>3. SQUATTING QUIETLY?</p>
<p>a. the dog does not look at the toy or food b. no more than a few seconds c. no more than 10 seconds d. no more than 30 seconds e. no more than 1 minute f. longer than a minute g. the dog will repeatedly try and take the reward, regardless of time h. I don't know or am uncertain</p>	<p>a. the dog does not look at the toy or food b. no more than a few seconds c. no more than 10 seconds d. no more than 30 seconds e. no more than 1 minute f. longer than a minute g. I don't do this because it might be dangerous – the dog is waiting for me to throw the toy and would repeatedly try to take it h. I don't know or am uncertain</p>

- 4. If you verbally praise your dog does he or she:**
- NA – I never verbally praise my dog
 - not look at you
 - look at you
 - look at you and cock his or her head
 - look at you and wag tail and, or body
 - look at you, cock his or her head, and wag tail and, or body
 - I don't know or am uncertain.

How does your dog respond to a verbal request like “sit” when you do not have a treat or toy with you and praise is the only reward:

<p>5. IF YOU ARE LOOKING AT THE DOG?</p>	<p>6. IF THE DOG CAN'T SEE YOUR FACE?</p>
<p>a. NA – my dog does not know the command / request b. NA – I don't use verbal praise c. the dog does not respond d. the dog responds only after 20 sec or so and/or after repeated requests e. the dog responds after a short delay (5-10 seconds) f. the dog responds immediately or close to it. g. I don't know or am uncertain</p>	<p>a. NA – my dog does not know the command / request b. NA – I don't use verbal praise c. the dog does not respond d. the dog responds only after 20 sec or so and/or after repeated requests e. the dog responds after a short delay (5-10 seconds) f. the dog responds immediately or close to it g. my dog is taught not to respond unless I am facing him or her h. I don't know or am uncertain</p>

How does your dog respond to a verbal request like “sit” and the reward is **food or a toy...**

7. IF YOU ARE LOOKING AT THE DOG?	8. IF THE DOG CAN'T SEE YOUR FACE?
a. NA – my dog does not know the command / request b. NA – I don't use food or toys c. the dog does not respond d. the dog responds only after 20 sec or so and/or after repeated requests e. the dog responds after a short delay (5-10 seconds) f. the dog responds immediately or close to it g. I don't know or am uncertain	a. NA – my dog does not know the command / request b. NA – I don't use food or toys c. the dog does not respond d. <i>the dog responds only after 20 sec or so and/or after repeated requests</i> e. the dog responds after a short delay (5-10 seconds) f. the dog responds immediately or close to it g. I don't know or am uncertain

9. When you successfully reward your dog with a toy, how do you get the toy back when the dog is **off-lead**? ***IF your dog is never off lead, check here***
- NA – I don't reward my dog with a toy
 - I don't – the dog carries it
 - I don't – I have to wrestle the dog for the toy or physically compel the dog to give me the toy
 - I have to trade the dog a new toy to get the old one
 - the dog plays with toy as I move it back and forth. I have to work physically a little to get the dog to drop the toy
 - the dog plays with the toy as I move it back and forth but drops the toy with little resistance when asked
 - the dog will not play with the toy as I move it back and forth and drops the toy before requested
 - the dogs takes, but immediately releases the toy
 - the dog takes the toy *by himself* and releases it when asked
10. How do you “**punish**” or “**correct**” your dog? *A punisher here is defined as an undesirable or aversive stimulus that decreases the probability of the behavior occurring again.* You may tick as many responses as are relevant.
- NA – I don't punish or correct my dog
 - I use negative punishment – I remove my attention from the dog
 - I use and have a place for 'time outs'
 - I calmly but firmly verbally ask / tell the dog not to do something
 - I yell / scream at the dog
 - I crate the dog
 - I hit the dog
 - I use a quick, gentle pop of a choke chain
 - I use a forceful choke chain “correction”
 - I apply pressure with a “pinch” collar
 - I hang the dog from his collar or chain
 - To achieve the desired response I choke the dog out / down
 - I use an electric collar
 - other (please let us know what you do)_____

II.a. Food reward questions (if you don't use food rewards please choose NA)

11. If you use food as your reward, how quickly does your dog approach you for a food treat that you are holding out to them **from a distance of 2-3 feet, once the dog has attended to or looked at you?**
- NA – I don't use food rewards
 - the dog does not approach
 - within 5 minutes
 - within 1-2 minutes
 - immediately or within less than a minute

12. If you use food as your reward **how long** does your dog **stay interested in** (exhibit working or search behavior in training or on the job) for food? We are assuming the treats are tiny.

- a. NA – I don't use food rewards
- b. the dog does not appear interested in the food
- c. up to 5 minutes
- d. up to 15 minutes
- e. up to 30 minutes
- f. up to an hour
- g. more than an hour

13. Are there food rewards that are **not sufficient** to maintain your dog's interest?

- a. NA – I don't use food rewards
- b. Yes
- c. No

14. Are there food rewards that **so excite or arouse** your dog that he or she cannot focus?

- a. NA – I don't use food rewards
- b. Yes
- c. No

15. What foods do you use as rewards? Please be as specific as possible.

Food used	Your perception of the relative ranking of the quality of the treat by your dog on a scale of 1-10 (1=low quality; 10=high quality)

16. If you use food as your reward, how quickly *should* a dog who is in a crate or run approach you for a food treat that you are holding out to them **from a distance of 2-3 feet**, and **once the dog has attended to or looked at you?**

- a. NA – I don't use food rewards
- b. the dog does not approach
- c. within 5 minutes
- d. within 1-2 minutes
- e. immediately or within less than a minute

II.b. Toy / object reward questions (if you ONLY use food, please choose NA)

If you use **any of these items** to reward the dog do you (tick as many as are true):

17. (20) BALL	18. (21) TOWEL	22. KONG® OR A BALL ON A ROPE
<ul style="list-style-type: none"> a. NA – I don't use balls as rewards b. hold it and hold on c. throw it d. bounce it e. something else (specify): 	<ul style="list-style-type: none"> a. NA – I don't use towels as rewards b. hold it and hold on c. throw it d. bounce it e. something else (specify): 	<ul style="list-style-type: none"> a. NA – I don't use Kongs® or balls on ropes as rewards b. hold it and hold on c. throw it d. bounce it e. something else (specify):

19. (23) When your dog gets his or her **reward** is he or she (select all that apply):

- a. NA – I don't use objects as rewards
- b. allowed to play alone
- c. allowed to play tug with you
- d. allowed to play chase with you
- e. allowed to do something else – please tell us what it is:

20. (24) If you **throw a toy** (or non-food reward object) under a vehicle or barrier does your dog:

- a. NA – I have never done this
- b. ignore the toy
- c. look to see where the toy is and walk away
- d. get down and stare at the toy
- e. get down and stare at the toy and bark
- f. get down and try to reach, dig, or squeeze to get to the toy **without barking**
- g. get down and try to reach, dig, or squeeze to get to the toy **with barking**
- h. I don't know or am uncertain.

21. (25) If your dog plays 'fetch', how does the **game usually end**?

- a. NA – the dog does not play fetch
- b. the dog quits because he or she is interested in something else
- c. the dog quits because he or she is tired
- d. you decide when to quit
- e. I don't know or am uncertain.

22. (26a) Have you ever played 'fetch' with the dog **in the dark**?

- a. yes
- b. no

23. (26b) If you answered yes to question 26a, just above, do you think the dog is as **good / accurate** at fetching in the dark as they are in the daylight?

- a. yes
- b. no
- c. I don't know or am uncertain

In the daylight, if you throw an object about 20 feet / 6 meters away from the dog where he or she cannot see where the ball lands, when asked to look for the object what does the dog do:

24. (27) IF THE DOG SEES YOU THROW	25. (28) IF THE DOG DOESN'T SEE YOU THROW
<ul style="list-style-type: none"> a. NA – I have never done this with this dog not search for it b. search for it for 5 minutes or less and not find it and give up c. search for it for 10 minutes or less and not find it and give up d. almost always find the ball no matter how long it takes e. I don't know or am uncertain 	<ul style="list-style-type: none"> a. NA – I have never done this with this dog not search for it b. search for it for 5 minutes or less and not find it and give up c. search for it for 10 minutes or less and not find it and give up d. almost always find the ball no matter how long it takes e. I don't know or am uncertain

If you drag a toy or one of your worn shirts through some grass for about 20 feet / 6 meters, leaving it hidden at the end, what does your dog do:

26. (29) IF THE DOG SEES YOU DRAG THE OBJECT	27. (30) IF THE DOG DOESN'T SEE YOU DO THIS
<ul style="list-style-type: none"> a. NA – I have never done this with this dog b. pay no attention c. sometimes sniff the area and wander around without finding the object d. sometimes sniff the area and wander around, finding the object e. put his or her nose down and follows the scent fairly continuously until finding the object f. I don't know or am uncertain 	<ul style="list-style-type: none"> a. NA – I have never done this with this dog b. pay no attention c. sometimes sniff the area and wander around without finding the object d. sometimes sniff the area and wander around, finding the object e. put his or her nose down and follows the scent fairly continuously until finding the object f. I don't know or am uncertain

End of section II.

III. Environmental questions

Pick a choice in each of the squares

1. (39) IF IT IS RAINING WITH NO THUNDER OR WIND	2. (40) IF IT IS RAINING WITH THUNDER AND WIND
<ul style="list-style-type: none"> a. my dog goes out as he or she does normally b. my dog goes out but shortens his or her time outside c. my dog goes out only when he or she is desperate to eliminate d. I don't know or am uncertain 	<ul style="list-style-type: none"> a. NA – my dog has never heard thunder or wind b. my dog goes out as he or she does normally c. my dog goes out but shortens his or her time outside d. my dog goes out only when he or she is desperate to eliminate e. my dog goes does not go out at all f. I don't know or am uncertain

3. (42) If it is raining or has rained and there are puddles

<ul style="list-style-type: none"> a. NA – my dog has never seen puddles b. my dog avoids them at all costs c. my dog goes through them only with encouragement d. my dog goes through them regardless e. my dog tries to play or succeeds in playing in them f. I don't know or am uncertain

4. (43) If your dog has to walk over a new surface like a board placed over a hole, a subway grate, anything different, what does your dog do

<ul style="list-style-type: none"> a. my dog avoids the new surface at all costs b. my dog goes across the new surface only with prolonged encouragement c. my dog goes across the new surface with mild encouragement d. my dog goes across the new surface with ease and no concern e. I don't know or am uncertain
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Please answer each of the following questions about related topics:

<p>5. (46) How does your dog respond if there is a lot of continuous loud noise?</p>	<ul style="list-style-type: none"> a. my dog attends only to the noise but stays still b. my dog attempts to back away from or avoid the noise c. my dog attends only to the noise and goes in search of it d. my dog listens / startles to the noise but goes back to the task, finishing more slowly e. my dog listens / startles to the noise but goes back to the task and finishes it as if there were no distraction f. there is no change in the dog's behavior g. I don't know or am uncertain
<p>6. (48) How does your dog respond if there is intermittent loud noise?</p>	<ul style="list-style-type: none"> a. my dog attempts to back away from or avoid the noise b. my dog attends only to the noise but stays still c. my dog attempts to back away from or avoid the noise d. my dog attends only to the noise and goes in search of it e. my dog listens to the noise but goes back to the task, finishing more slowly f. my dog listens / startles to the noise but goes back to the task and finishes it as if there were no distraction g. there is no change in the dog's behavior h. I don't know or am uncertain
<p>7. (50) How does your dog respond if there a sharp</p>	<ul style="list-style-type: none"> a. my dog attempts to back away from or avoid the noise b. my dog attends only to the noise but stays still c. my dog attempts to back away from or avoid the noise

burst of noise?	d. my dog attends only to the noise and goes in search of it e. my dog listens / startles to the noise but goes back to the task, finishing more slowly f. my dog listens / startles to the noise but goes back to the task and finishes it as if there were no distraction g. there is no change in the dog's behavior h. I don't know or am uncertain
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8. (52a) What does your dog do if a human approaches within 3 feet of your dog, seems friendly, and seeks to interact with your dog?

- a. ignore the human
- b. look at or watch the human but not interact
- c. attempt to back away from or avoid the human
- d. tremble at the sight or approach of the human
- e. become stiff at the sight or approach of the human
- f. crouch and, or roll at the sight of the human
- g. interact with the human calmly, wagging tail, body
- h. interact with the human by jumping on them
- i. I don't know or am uncertain

9. (52b) Does vocalization accompany any of the responses in question 52a, above?

- No
- Yes – Please select all that apply:
- whines barks howls growls

10. (54a) What does your dog do when he or she is walking away from kennel, yard, or home another KNOWN dog approaches within 3 feet/1meter of your dog, seems friendly, and seeks to interact with your dog?

- a. ignore the other dog
- b. look at or watch the dog but not interact
- c. attempt to back away from or avoid the dog
- d. tremble at the sight or approach of the dog
- e. become stiff at the sight or approach of the dog
- f. attack the other dog
- g. crouch and, or roll at the sight of the dog
- h. interact with the dog calmly, wagging tail, body
- i. interact with the dog by jumping all over them
- j. I don't know or am uncertain

11. (54b) Does vocalization accompany any of the responses in question 54a, above?

- No
- Yes – Please select all that apply:
- whines barks howls growls

12 (56a) What does your dog do when he or she is walking away from kennel, yard, or home another UNKNOWN dog approaches within 3 feet/1meter of your dog, seems friendly, and seeks to interact with your dog?

- a. ignore the other dog
- b. look at or watch the dog but not interact
- c. attempt to back away from or avoid the dog
- d. tremble at the sight or approach of the dog
- e. become stiff at the sight or approach of the dog
- f. attack the other dog
- g. crouch and, or roll at the sight of the dog
- h. interact with the dog calmly, wagging tail, body
- i. interact with the dog by jumping on it
- j. I don't know or am uncertain

13 (56b) Does vocalization accompany any of the responses in question 56a, above?

No

Yes – Please select all that apply:

whines barks howls growls

NEW QUESTION FORMAT!

If your dog is approached by the following moving objects, how will he or she will respond? Please match the response with the potential moving object in the table below by placing the relevant letters after the items in the table. There may be multiple responses to each moving object. If your dog encounters none of these items, please CHECK THIS BOX

Responses

- a. ignores the situation
- b. looks at or watches
- c. tries to withdraw
- d. tremble at the sight or approach the moving object
- e. becomes stiff at the sight or approach the moving object
- f. crouches as the moving object approaches
- g. acts calmly, wagging tail, body
- h. tries to approach the moving object chases the moving object
- i. chases the moving object
- j. I don't know or am uncertain

Item	Lettered response(s) from list above	Does vocalization accompany response? (if Yes, select all that apply)
14. (62a) Scooters		<input type="checkbox"/> No <input type="checkbox"/> Yes 14a. (62b) <input type="checkbox"/> whines <input type="checkbox"/> barks <input type="checkbox"/> howls <input type="checkbox"/> growls
15. (63a) Wheelchairs		<input type="checkbox"/> No <input type="checkbox"/> Yes 15a. (63b) <input type="checkbox"/> whines <input type="checkbox"/> barks <input type="checkbox"/> howls <input type="checkbox"/> growls
16. (64a) Baggage carts		<input type="checkbox"/> No <input type="checkbox"/> Yes 16a. (64b) <input type="checkbox"/> whines <input type="checkbox"/> barks <input type="checkbox"/> howls <input type="checkbox"/> growls
17. (65a) Motorcycles in motion		<input type="checkbox"/> No <input type="checkbox"/> Yes 17a. (65b) <input type="checkbox"/> whines <input type="checkbox"/> barks <input type="checkbox"/> howls <input type="checkbox"/> growls
18. (66a) Bicycles in motion		<input type="checkbox"/> No <input type="checkbox"/> Yes 18a. (66b) <input type="checkbox"/> whines <input type="checkbox"/> barks <input type="checkbox"/> howls <input type="checkbox"/> growls

19 (67). If you are simply out walking the dog, how does the dog respond to **events or activities occurring** around the dog?

- a. the dog ignores everything
- b. the dog only pays active attention (in a positive way) if the event involves a lot of activity
- c. the dog pays active attention (in a positive way) to most events
- d. the dog becomes more active, curious and, or outgoing, the more that is ongoing around him or her
- e. the dog is concerned or worried, but only if the event involves a lot of activity
- f. the dog is concerned or worried with most events
- g. the dog becomes more agitated and concerned or worried, the more that is ongoing around him or her
- h. I don't know or am uncertain.

20 (68a). If you think your dog becomes “worried” or “concerned”, how do you know? What behaviors do you use that tell you this (circle all that apply)?

- a. General body posture
- b. Tail position and activity
- c. Ear position
- d. Eye signals
- e. Vocalizations
- f. Changes in pelage or hair coat
- g. Tongue and mouth activity
- h. Overall activity

21 (68b). For your own dog and in your own words, using the information provided in 68a as a guide, please tell us what your dogs does when worried or concerned.

- 22 (69.)** If you are out walking does your dog **sniff things** he or she encounters on the walk?
- never
 - sometimes
 - almost always sniffs things in the environment, paying different amounts of attention to different objects
 - always sniffs things in the environment to the point where you are always dragging the dog away from one object after another.
 - I don't know or am uncertain.

Below is a list of surfaces or substrates on which dogs often walk and their potential responses to those surfaces. Please check *the choice that best represents* your dog's behavior on that surface.

Surface	Runs across the surface, regardless	Walks confidently without hesitation	Walks confidently but more slowly than usual	Walks very hesitantly	Won't walk across the surface	Dog has no experience with this type of surface
23. (70) Grass						
24. (71) Sidewalks						
25. (72) Blacktop roads or parking lots						
26. (73) Boggy ground / soil						
27. (74) Ground with dense vegetation						
28. (75) Sand						
29. (76) Soil without vegetation						
30. (77) Snow						
31. (78) Ice						
32. (79) Metal surfaces						
33. (80) Smooth concrete surfaces						
34. (81) Rough / textured concrete surfaces						
35. (82) Marble or composite floors						
36. (83) Wood floors						
37. (84) Linoleum floors						
38. (85) Tile floors						
39. (86) Rubberized floors						
40. (87) Wet floors of any kind						
41. (88) Area rugs						
42. (89) Wall-to-wall carpeting						
43. (90) Surfaces with metal grates (boat docks, bridges)						
44. (91) Any highly polished surface						
45. (92) Rocky or disrupted surfaces						

46. (93) Other substrate (please describe):						
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End of section III.

IV. General behavioral patterns shown by the dog

FOR QUESTIONS 1 and 2 PLEASE CIRCLE AS MANY ANSWERS AS APPLY.

1. (93) Does your dog:

- a. constantly seek interaction and activity no matter what you do
- b. seek interaction and activity but settle when attended to or exercised
- c. not seek interaction and activity but enthusiastically accept it when offered
- d. not seek interaction and activity but passively accept it when offered
- e. sit or lie around quietly and show no signs of being interested in interaction or activity
- f. I don't know or am uncertain

2. (94) If your dog becomes excited and pants, barks and, or moves around a lot, how do you calm him or her?

Select as many choices as apply.

- a. cannot calm dog
- b. put dog in crate or kennel and ignore
- c. ignore
- d. walk dog until calm
- e. press on or massage dog until calm
- f. pet or hold dog until calm
- g. tell dog that it's okay and to relax
- h. other(please specify) _____
- i. _____
- j. I don't know or am uncertain

3. (100) How does your dog respond to food he or she finds **on the street or any floor**:

- a. eats it before you even realize what's happening
- b. grabs it quickly but drops it if told to do so
- c. moves towards it but is physically prevented from grabbing food
- d. moves towards it but is verbally prevented from grabbing food
- e. ignores the food
- f. I don't know or am uncertain

How does your dog respond to the following types of confinement? Please match the response to each type of confinement for questions 101 through 106 by placing the relevant letter in each space provided.

Responses

- a. NA – the dog is never in this situation
- b. the dog is always vocalizing and moving
- c. the dog stays still but vocalizes
- d. the dog is quiet but is always jumping around
- e. the dog occasionally moves or vocalizes when stimulated (passing person, car or animal) but is quiet more frequently than not
- f. the dog is almost always quiet
- g. I don't know or am not sure

4. (101) In a vehicle for up to 15 minutes? _____

5. (102) In a vehicle for up to 30 minutes? _____

6. (103) In a vehicle for up to 1 hour or more? _____

7. (104) In a run, kennel or crate 15 minutes? _____

8. (105) In a run, kennel or crate 30 minutes? _____

9. (106) In run, kennel or crate 1 hour or more? _____

If your dog is in a crate, vehicle, run or enclosure, what does your dog do if:

10. (107) unfamiliar dogs approach	11. (108) unfamiliar humans approach	12. (109) vehicles pass by
a. NA b. sit quietly c. whine d. wag tail e. paw at crate, vehicle, run or enclosure f. bark g. charge the crate vehicle, run or enclosure h. piloerect (hair stands up) i. posture with stiff forelegs j. other (specify): _____ _____ _____	a. NA b. sit quietly c. whine d. wag tail e. paw at crate, vehicle, run or enclosure f. bark g. charge the crate vehicle, run or enclosure h. piloerect (hair stands up) i. posture with stiff forelegs j. other (specify): _____ _____ _____	a. NA b. sit quietly c. whine d. wag tail e. paw at crate, vehicle, run or enclosure f. bark g. charge the crate vehicle, run or enclosure h. piloerect (hair stands up) i. posture with stiff forelegs j. other (specify): _____ _____ _____

V. Husbandry information

13. (110) When your dog is **alone** is he or she:

- a. runs free or in an enclosed yard
- b. kept in a run or kennel outside
- c. crated outside
- d. crated inside
- e. kept inside in a restricted area
- f. kept inside, unrestricted
- g. indoor / outdoor kennel
- h. I don't know or am uncertain

14. (111) When your dog is **alone** does he or she do any of the following behaviors (*please circle all that apply*)?

- a. eliminates
- b. destroys
- c. chews
- d. digs
- e. vocalizes
- f. salivates
- g. sheds
- h. none of the above
- i. **I don't know** what my dog does when left alone

15. (112) Does your dog ever have diarrhea after being left alone?

- a. yes
- b. no
- c. I don't know or am uncertain

16. (113) Does your dog have diarrhea if there is a change in his or her routine?

- a. yes
- b. no
- c. I don't know or am uncertain

17. (114) Does your dog regularly have diarrhea when **working / competing**?

- a. NA – not a working or competitive dog
- b. yes
- c. no
- d. I don't know or am uncertain

18. (114) Does your dog have diarrhea only when **worked / competing in certain environment**?

- a. NA – not a working or competitive dog
- b. yes (please tell us what environments) _____
- c. no
- d. I don't know or am uncertain.

VI. General behavioral history questionnaire:

A. Medical Concerns	YES	If YES, under what Circumstances:		NO	
1. Does this dog have any recurrent, sporadic or periodic bouts of vomiting?	Y()			N()	
2. Does this dog have any recurrent, sporadic, or periodic bouts of diarrhea/loose stool?	Y()			N()	
3. Has this dog been evaluated for any of the following physical problems? If yes, what was the outcome?	YES	NO	OUTCOME		
a. Thyroidal Illness					
b. Addison's Disease					
c. Cushing's Disease					
d. Hip Dysplasia					
If yes, what evaluation method was used?			() OFA () Penn Hip () Other -specify		
e. Elbow Dysplasia					
f. Hearing (BAER test)					
g. Vision (CERF test)					
h. Cardiac screen					
4. Has your dog been DNA tested for any genetic diseases? If yes, please specify which tests, service used and outcomes.			TEST, TESTING SERVICE AND OUTCOME		
5. Does this dog have any other physical or medical problems – including concerns about skin, joints, digestion, reproduction, nervous system function (e.g. epilepsy, infections like Lyme disease)?			PLEASE INDICATE PROBLEMS HERE		
6. Is your dog taking any medication or supplements for any medical or behavioral problems?					
7. What foods, including treats, is your dog fed (brand names, please)?					
	YES	Specify problem	NO	DON'T KNOW	
8. Are/were any littermates affected with any medical problems?					
9. Are/were any littermates affected with any behavioral problems?					
10. How well does this dog do with the following commands / requests:	My dog can't do this task because of a physical problem	Perfectly	OK, Needs work	Badly	My dog is not trained or asked to do this task
Sit					
Stay					
Down / lie down					
Wait					
Heel					
Fetch					
Leave it / drop it					
Take it					
Other (Please specify):					

B. Reactions to noises and absences:

The first set of these questions deals with an “**actual absence**” - the owner actually leaves the house and the dog is either alone or totally without the owner. The second set deals with “**virtual absence**” - the owner is home, but not accessible because the door is closed or the dog is barricaded in another room. The questions are the same for each, but please answer both.

Check **NO**, if the dog does not react in the listed circumstance.

Check **UNKNOWN**, if you don't know.

Check **YES**, if the dog reacts. Please evaluate the extent of the reaction from the list below.

IF YES:
<ul style="list-style-type: none"> • 100% of the time = always • < 100% of the time, but > 60% = more often than not • 40 – 60% of the time = about equally • 0% of the time but < 40% = less often than not

Behaviors during an ACTUAL absence

BEHAVIOR	YES	DON'T KNOW	NO
1. Destructive behavior when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
2. Urination when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
3. Defecation when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
4. Vocalization when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
5. Salivation when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
5. Salivation when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
6. Panting when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
7. If the answer is YES for any of the above responses, what is the timing of the onset of behaviors (if known)? <ol style="list-style-type: none"> a. <input type="checkbox"/> within 5 minutes b. <input type="checkbox"/> more than 5 minutes, but less than 30 minutes c. <input type="checkbox"/> more than 30 minutes, but less than one hour d. <input type="checkbox"/> more than 1 hour, but less than 3 hours e. <input type="checkbox"/> only after several hours 			

Behaviors during a VIRTUAL absence

BEHAVIOR	YES	DON'T KNOW	NO
8. Destructive behavior when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
9. Urination when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
10. Defecation when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
11. Vocalization when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
12. Salivation when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
13. Panting when separated from owner.	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
14. If the answer is YES for any of the above responses, what is the timing of the onset of behaviors (if known)? a. <input type="checkbox"/> within 5 minutes b. <input type="checkbox"/> more than 5 minutes, but less than 30 minutes c. <input type="checkbox"/> more than 30 minutes, but less than one hour d. <input type="checkbox"/> more than 1 hour, but less than 3 hours e. <input type="checkbox"/> only after several hours			

C. Reactions to noise

BEHAVIOR	YES	DON'T KNOW	NO
1. Reaction during thunderstorms . Type of response - please check all that apply: <input type="checkbox"/> salivate <input type="checkbox"/> hide <input type="checkbox"/> defecate <input type="checkbox"/> tremble <input type="checkbox"/> urinate <input type="checkbox"/> vocalize <input type="checkbox"/> destroy <input type="checkbox"/> pace <input type="checkbox"/> escape <input type="checkbox"/> freeze <input type="checkbox"/> pant	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		
2. Reaction to fireworks . Type of response - please check all that apply: <input type="checkbox"/> salivate <input type="checkbox"/> hide <input type="checkbox"/> defecate <input type="checkbox"/> tremble <input type="checkbox"/> urinate <input type="checkbox"/> vocalize <input type="checkbox"/> destroy <input type="checkbox"/> pace <input type="checkbox"/> escape <input type="checkbox"/> freeze <input type="checkbox"/> pant	<input type="checkbox"/> 100% of the time <input type="checkbox"/> < 100% but > 60% <input type="checkbox"/> 40-60% of the time <input type="checkbox"/> > 0% but < 40%		

BEHAVIOR	YES	DON'T KNOW	NO
<p>3. Reaction to gunshots.</p> <p>Type of response - please check all that apply:</p> <p>() salivate () hide () defecate () tremble () urinate () vocalize () destroy () pace () escape () freeze () pant</p>	<p>() 100% of the time () < 100% but > 60% () 40-60% of the time () > 0% but < 40%</p>		
<p>4. Reaction to other noises.</p> <p>Type(s) of noise(s) (vacuum cleaners, leaf blowers, weed whackers, dump trucks, sirens, alarm systems, etc.):</p> <hr/> <p>Type of response - please check all that apply:</p> <p>() salivate () hide () defecate () tremble () urinate () vocalize () destroy () pace () escape () freeze () pant</p>	<p>() 100% of the time () < 100% but > 60% () 40-60% of the time () > 0% but < 40%</p>		
<p>5. How frequently do noise events such as thunder, fireworks, or gunshots occur in the dog's environment?</p> <p>a. never b. occasionally c. regularly d. frequently</p> <p>0% > 0% but < 50% 50% but < 100% 100%</p>			
<p>6. Has this dog ever been treated for noise sensitivities or phobias? If so, with what, please?</p>			

D. Behaviors associated with potentially aggressive responses

This part of the questionnaire assesses responses that are often associated with aggression or assertiveness to various situations (stimuli). **Please do not 'test' the dog to see if he or she will exhibit a response...** just tell us what you have observed in your dog's daily life.

Please note, dogs can do many of these behaviors without being a problem for anyone, but in addition to flagging potentially problematic dogs, this sheet will provide a full "phenotypic" assessment. These very specific data are those we need to find genetic associations for dogs with specific talents.

Please read through each item and check the relevant column. Feel free to add comments where you think it is appropriate.

The choices for the tick sheet answers are as follow:

NR = no reaction

SL = snarl (noise)

L = lift lip (can see corner teeth)

BK = bark (aggressive, **not** an alerting bark)

G = growl (**not** a play growl)

SP = snap (no connection with skin)

BT = bite (connects with skin, regardless of damage)

WD = withdraw from or avoid situation

NA = not applicable

TR = this is a special category for working dogs – please choose this category if the dog has been specifically taught either to react or not to react to the circumstance; if the dog **is taught to react**, check TR

ACTION	NR	SL	L	BK	G	SP	BT	WD	NA	TR
1. Take dog's food dish with food										
2. Take dog's empty food dish										
3. Take dog's water dish										
4. Take food (human) that falls on floor										
5. Take rawhide										
6. Take real bone										
7. Take biscuit										
8. Take toy										
9. Human approaches dog while eating										
10. Dog approaches dog while eating										
11. Human approaches dog while playing with toys										
12. Dog approaches dog while playing with toys										
13. Human approaches/disturbs dog while sleeping										
14. Dog approaches/disturbs dog while sleeping										
15. Step over dog										
16. Push dog off bed/couch										
17. Reach toward dog										
18. Reach over head										
19. Put on leash										

ACTION	NR	SL	L	BK	G	SP	BT	WD	NA	TR
20. Push on shoulders										
21. Push on rump										
22. Towel feet when wet										
23. Bathe dog										
24. Groom dog's head										
25. Groom dog's body										
26. Stare at										
27. Take muzzle in hands and shake										
28. Push dog over onto back										
29. Stranger knocks on door										
30. Stranger enters room										
31. Dog in car at toll booth										
32. Dog in car at gas station										
33. Dog on leash approached by known dog on street										
34. Dog on leash approached by unknown dog on street										
35. Dog on leash approached by person on street										
36. Dog in yard - person passes										
37. Dog in yard - unknown dog passes										
38. Dog in yard - known dog passes										
39. Dog in vet's office										
40. Dog in boarding kennel										
41. Dog at groomers										
42. Dog yelled at										
43. Dog corrected with leash (Please define what you mean by "correction")										
44. Dog physically punished – hit										
45. Someone raised voice to owner in presence of dog										
45. Someone raised voice to owner in presence of dog										
46. Someone hugs-touches owner in presence of dog										
47. Squirrels, cats, small animals approach dog										
48. Bicycles, skateboards										
49. Crying infant										
50. Playing with 2-year-old children										
51. Playing with 5-7 year-old children										
52. Playing with 8-11 year-old children										
53. Playing with 12-16-year-old children										

10. For ingestion, list what types of objects are consumed. Be as specific as possible – what type of rug or sweater fabric?			
	YES	NO	UNCERTAIN
11. Does any event or behavior routinely occur immediately before the behavior begins?	<i>If so, what?</i>		
12. Does any event or behavior routinely occur immediately after the behavior ceases?	<i>If so, what?</i>		
13. Has the dog's general behavior changed in any way since the onset of the atypical behavior (i.e., the dog is more or less aloof, aggressive, withdrawn, playful, etc.)?	<i>If so, please specify?</i>		
14. Has the dog's diet recently been changed?	If so, what - specifically - was the change?		
15. How old do you think your pet was when its ritualistic behavior began?	<i>Age in months</i> _____		
16. Did anyone else in the dog's family exhibit these or similar behaviors?			

You have successfully completed this assessment tool. Many, many thanks for your help! We know that we could not study these questions about performance without your help. Please let us know if you have any questions.