

## Supplementary Material

Non-Specialist Instructions slides on the Zooniverse platform



Figure S1: Presentation of the Dogs' Life Project to non-specialist participants at the Zooniverse platform.

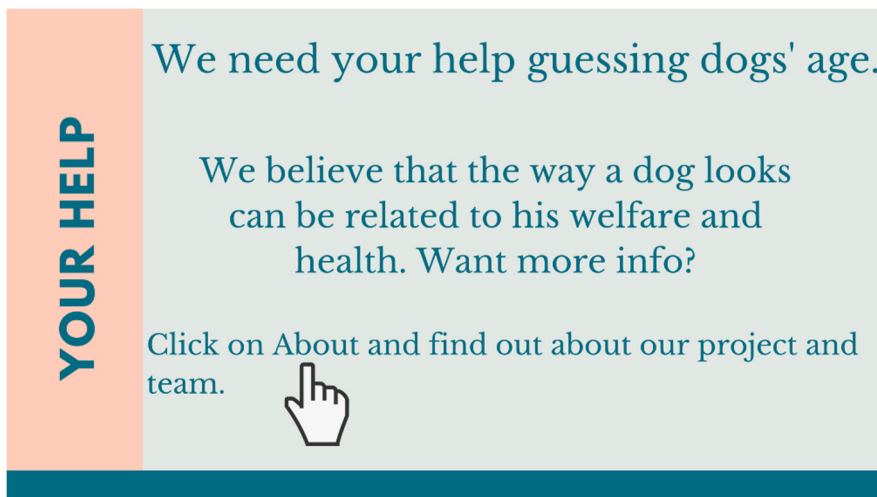


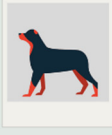


Figure S2: Explanation of projects' goal to non-specialist participants at the Zooniverse platform.

YOUR HELP


We are using two ways to access dogs perceived age: people and computers.

We want to understand how similar or different are people and computer's guesses.

Figure S3: Instructions provided to non-specialist participants for evaluating the age of dogs based on photographs at the Zooniverse platform.

TASK 1



**TASK**

How old am I ?

0-1 years-old.

1-2 years-old.

2-5 years-old.

5-7 years-old.

More than 8 years-old.

NEED SOME HELP WITH THIS TASK?

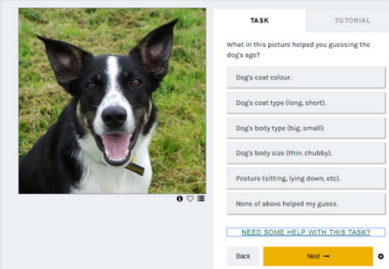
Done

Here you need to guess how old is the dog.  
You need to choose the best option and then click Done.

Having trouble? Click on Need some help.

Figure S4: Visual depiction of age classification criteria for participants, including examples of young, adult, and senior dogs, used to standardize evaluations at the Zooniverse platform.

TAKS 2

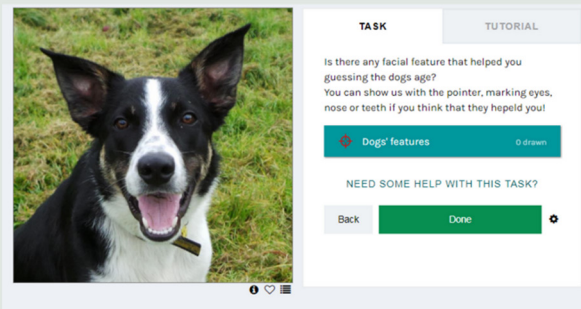


Here you can tell us what helped your guess. You can choose as many as you want, or None and then click on Next to the last step. Having trouble? Click on Need some help.

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Figure S5: Instructions provided to non-specialist participants for evaluating the age of dogs based on photographs, emphasizing the assessment process and guidelines.

TASK 3



Last step is not mandatory, but will help us seeing graphically what facial features people use when ageing .

Figure S6: Instructions provided to non-specialist participants for evaluating the age of dogs based on photographs, asking the participants to identify important landmarks on age guessing at the Zooniverse platform.

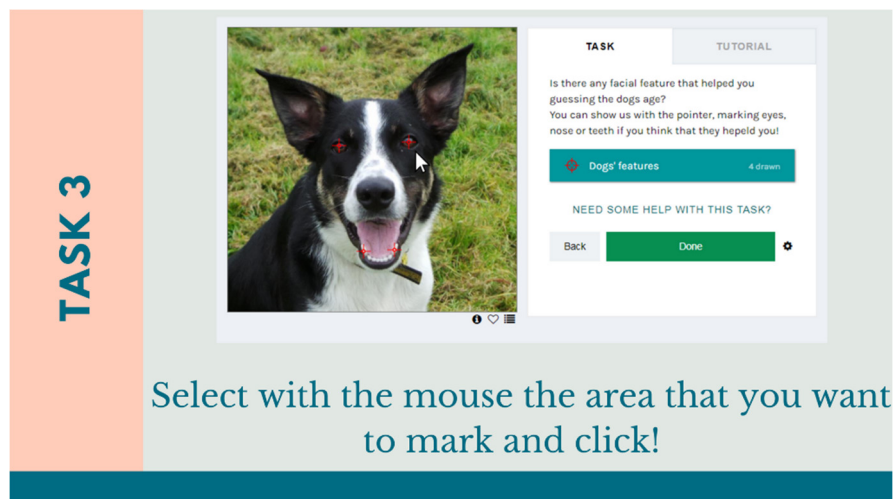


Figure S7: Example of the questionnaire interface used by participants to classify dog ages and provide insights into their decision-making process, in how they could select a landmark in the picture at the Zooniverse platform.

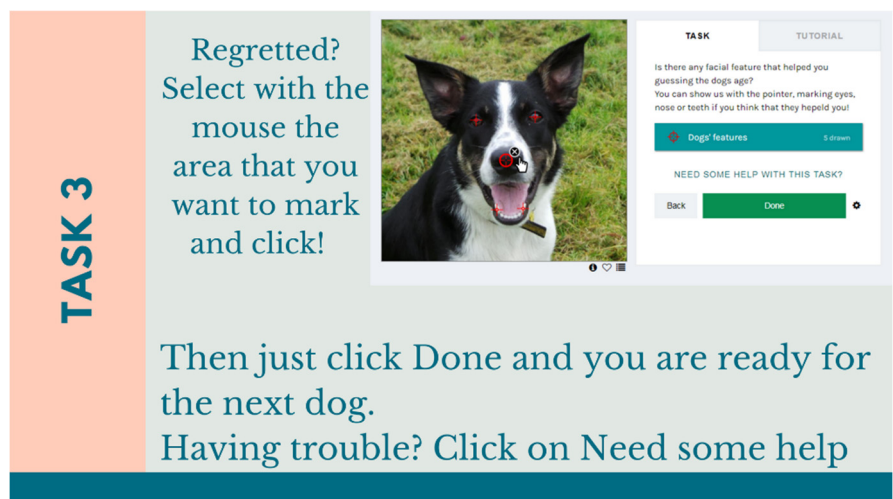


Figure S8: Example of the questionnaire interface used by participants to classify dog ages and provide insights into their decision-making process, in case they wanted to change the selected landmark in the picture at the Zooniverse platform.



*Figure S9 Dog 1: Senior male, seven years old mainly classified as a senior dog by assessors. Telomere length was as expected for his age (Dog 1 relative Telomere Length: 0.75; Expected relative Telomere Length for the age: 0.74).*



*Figure S10 Dog 2: Senior male, twelve years old mainly classified as a senior dog by assessors. Telomere length shorter than expected for his age (Dog 2 relative Telomere Length: 0.57; Expected relative Telomere Length for the age: 0.67).*



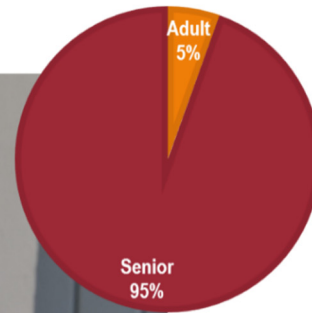


Figure S111 Dog 3: Senior female, six years old mainly classified as a senior dog by assessors. Telomere length longer than expected for her age (Dog 3 relative Telomere Length: 0.82; Expected relative Telomere Length for the age: 0.75).

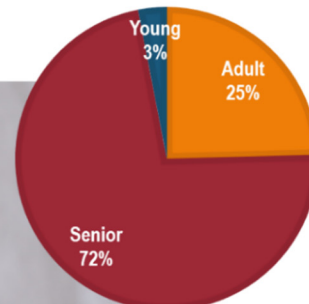
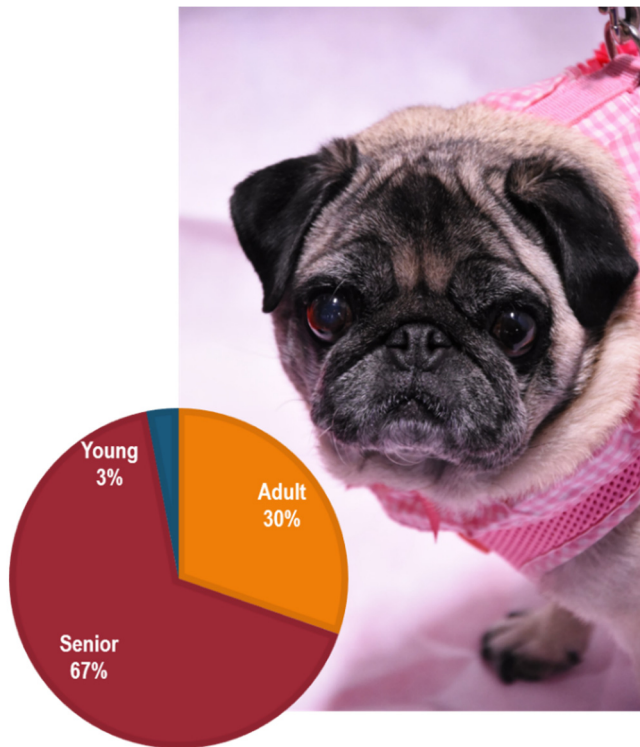


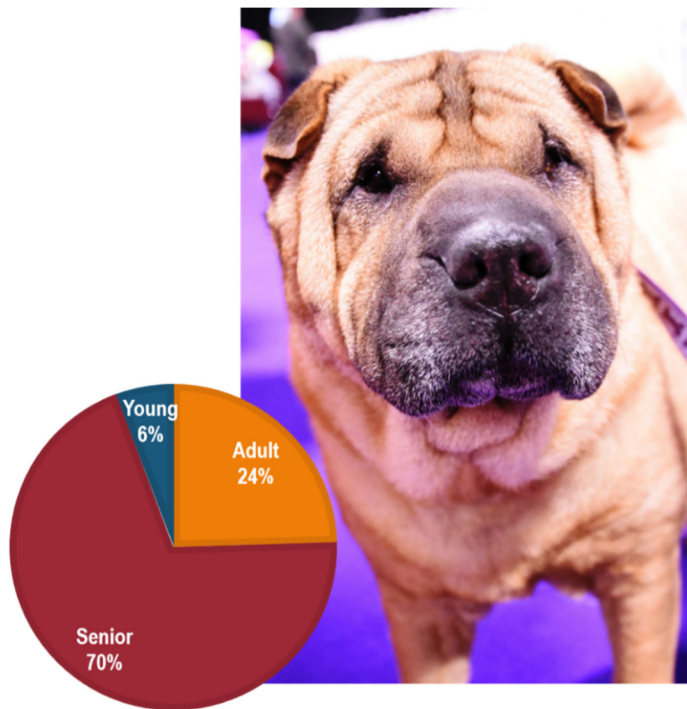
Figure S12 Dog 4: Senior female, thirteen years old mainly classified as a senior dog by assessors. Telomere length shorter than expected for her age (Dog 4 relative Telomere Length: 0.65; Expected relative Telomere Length for the age: 0.79).



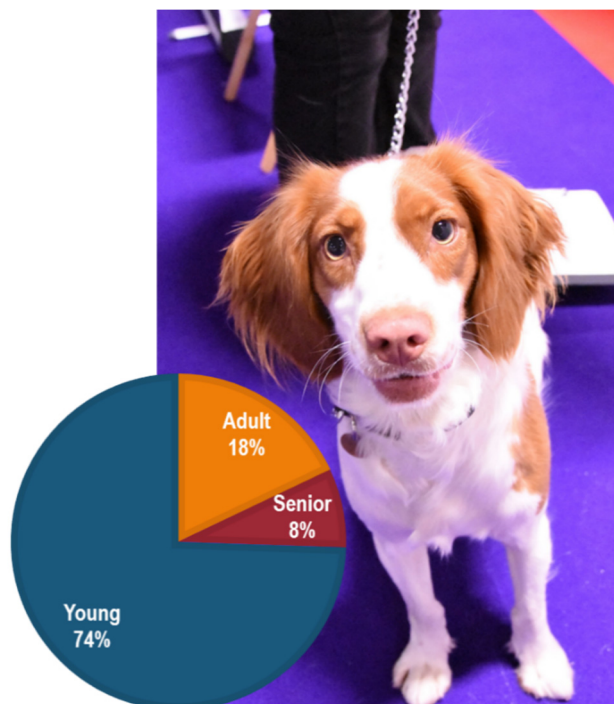
*FigureS13 Dog 5: Senior male, ten years old mainly classified as a senior dog by assessors. Telomere length longer than expected for his age (Dog 5 relative Telomere Length: 0.65; Expected relative Telomere Length for the age: 0.79).*



*Figure S14 Dog 6: Senior female, nine years old mainly classified as a senior dog by assessors. Telomere length as expected for her age (Dog 6 relative Telomere Length: 0.72; Expected relative Telomere Length for the age: 0.75).*

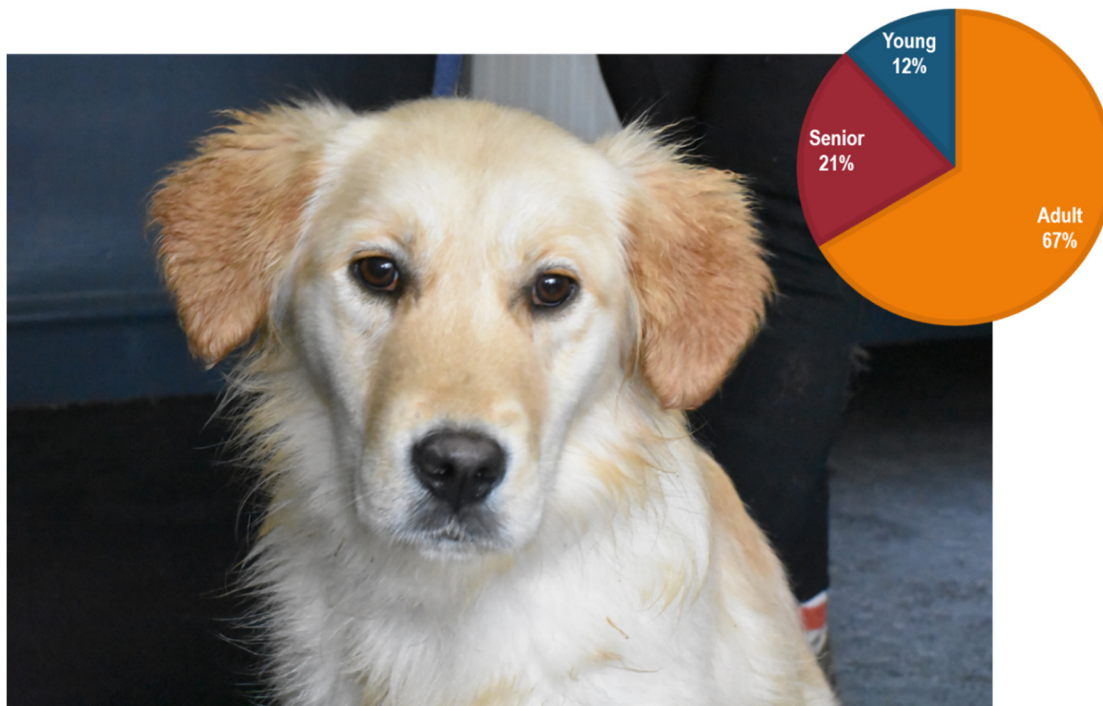


*Figure S15 Dog 7: Senior female, seven years old mainly classified as a senior dog by assessors. Telomere length as expected for her age (Dog 7 relative Telomere Length: 0.74; Expected relative Telomere Length for the age: 0.74).*

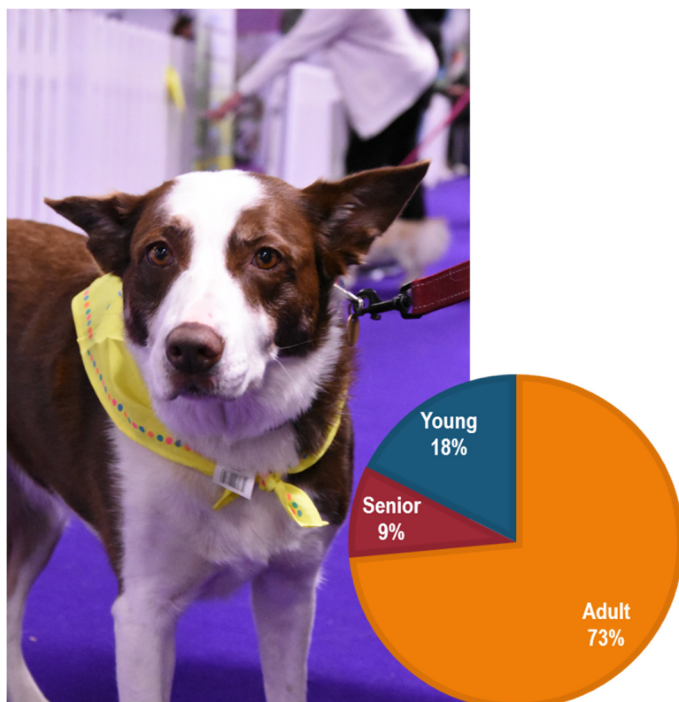


*Figure S162 Dog 8: Young female, two years old mainly classified as a young dog by assessors. Telomere length as expected for her age (Dog 8 relative Telomere Length: 0.74; Expected relative Telomere Length for the age: 0.74).*





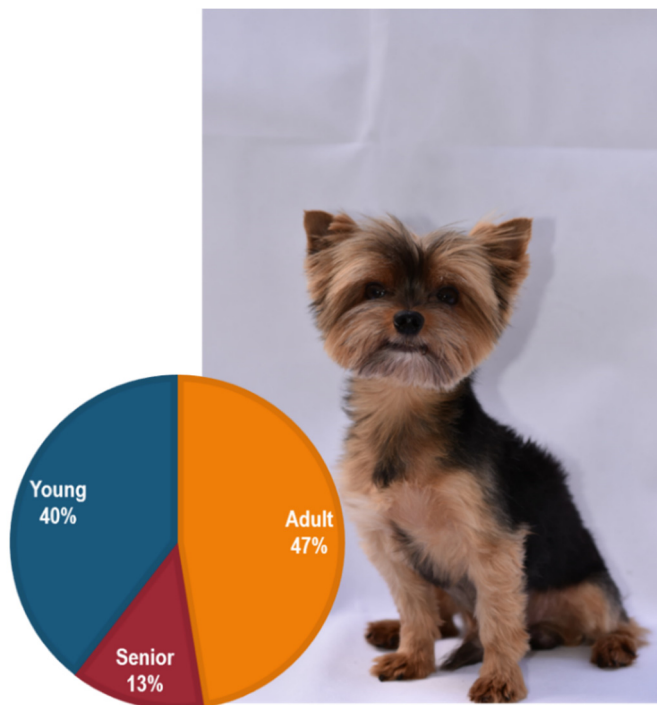
*Figure S17 Dog 9: Young female, two years old mainly classified as a young dog by assessors. Telomere length longer than expected for her age (Dog 9 relative Telomere Length: 0.85; Expected relative Telomere Length for the age: 0.74).*



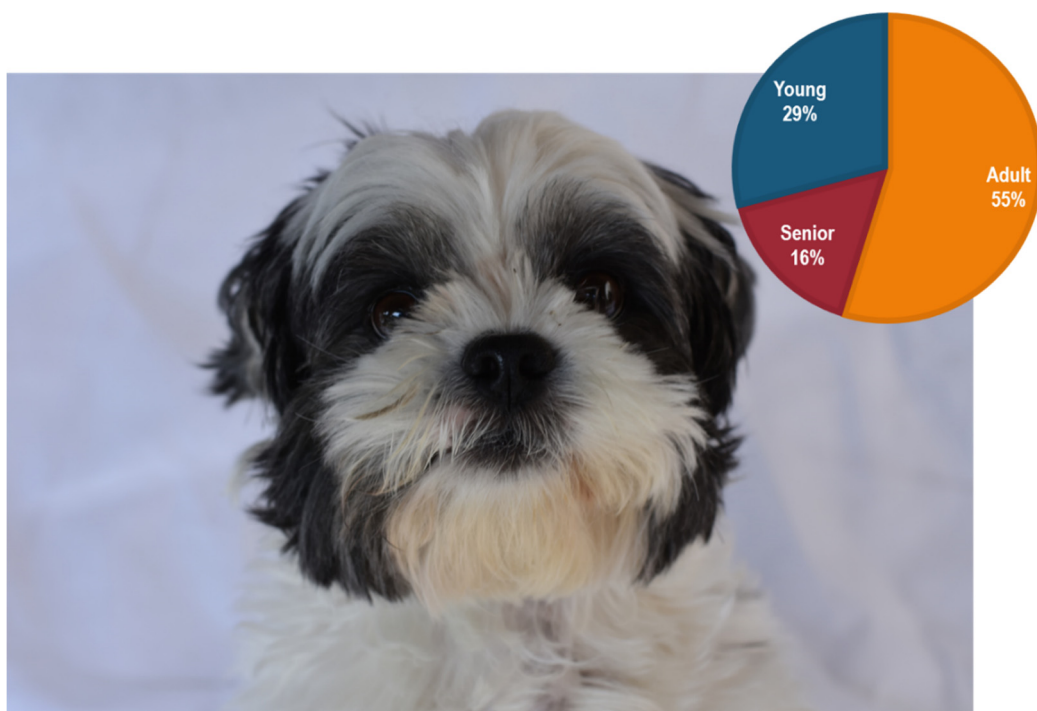
*Figure S18 Dog 10: Senior female, ten years old mainly classified as an adult dog by assessors. Telomere Length shorter than expected for her age (Dog 10 relative telomere length: 0.68; Expected relative Telomere Length for the age: 0.74).*



*Figure S19 Dog 11: Senior male, twelve years old mainly classified as a young dog by assessors. Telomere length longer than expected for his age (Dog 10 relative Telomere Length: 0.75; Expected relative Telomere Length for the age: 0.67).*



*Figure S20 Dog 12 Senior male, seven years old mainly classified as an adult dog by assessors. Telomere length longer than expected for his age (Dog 12 relative Telomere Length: 0.78; Expected relative Telomere Length for the age: 0.74).*



*Figure S21 Dog 13: Senior male, eight years old mainly classified as an adult dog by assessors. Telomere length longer than expected for his age (Dog 13 relative Telomere Length: 0.90; Expected relative Telomere Length for the age: 0.80).*



*Figure S22 Dog 14: Senior female, six years old mainly classified as a young dog by assessors. Telomere length longer than expected for her age (Dog 13 relative Telomere Length: 0.81; Expected relative Telomere Length for the age: 0.75).*





*Figure S23 Dog 15: Senior male, seven years old mainly classified as a young dog by assessors. Telomere length shorter than expected for his age (Dog 14 relative Telomere Length: 0.67; Expected relative Telomere Length for the age: 0.74).*



*Figure S24 Dog 15: Young male, two years old mainly classified as an adult dog by assessors. Telomere length shorter than expected for his age (Dog 15 relative Telomere Length: 0.70; Expected relative Telomere Length for the age: 0.74).*





Figure S25 Dog 16: Young male, two years old mainly classified as a senior dog by assessors. Telomere length shorter than expected for his age (Dog 16 relative Telomere Length: 0.64; Expected relative Telomere Length for the age: 0.74).

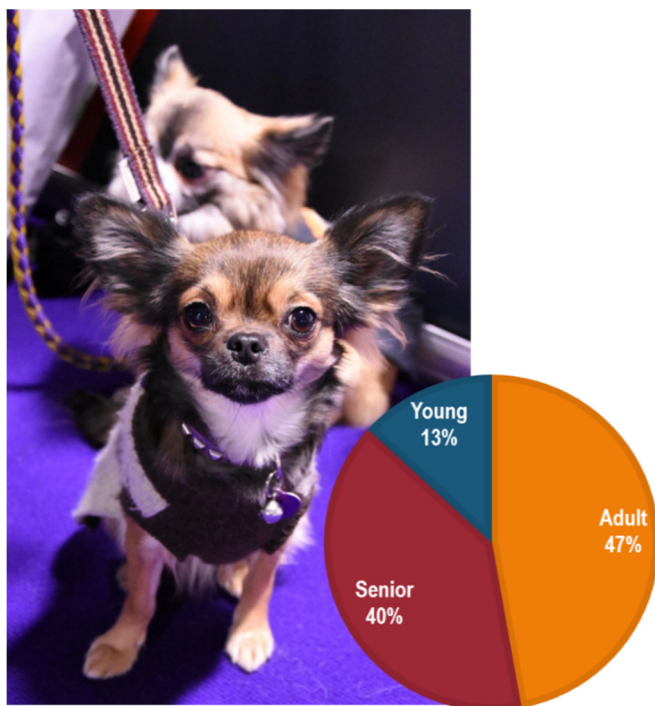


Figure S26 Dog 18: Young male, two years old mainly classified as an adult dog by assessors. Telomere length shorter than expected for his age (Dog 16 relative Telomere Length: 0.71; Expected relative Telomere Length for the age: 0.74).