

**Table S1.** Study participant sociodemographic data (n = 263).

| Variables | Category | Frequency (N) | Percentage (%) |
|--------------------------------|---------------------------|---------------|----------------|
| Gender | Male | 97 | 36.9 |
| | Female | 166 | 63.1 |
| Age group | 20s | 69 | 26.2 |
| | 30s | 154 | 58.6 |
| | 40s | 29 | 11 |
| | 50s | 11 | 4.2 |
| Education level | High school or lower | 25 | 9.5 |
| | College | 51 | 19.4 |
| | Undergraduate degree | 177 | 67.3 |
| | Master's degree or higher | 10 | 3.8 |
| Occupation | Student | 13 | 4.9 |
| | Office worker | 186 | 70.7 |
| | Self-employed | 26 | 9.9 |
| | Freelancer | 18 | 6.8 |
| | Homemaker | 11 | 4.2 |
| | Unemployed | 9 | 3.4 |
| Marital status | Married | 65 | 24.7 |
| | Unmarried | 198 | 75.3 |
| Monthly income | Under \$200 | 39 | 14.8 |
| | \$1001–\$1500 | 135 | 51.3 |
| | \$1501–\$2000 | 62 | 23.6 |
| | Over \$2001 | 27 | 10.3 |
| Parenting experience | First-time parents | 213 | 81 |
| | Second over | 50 | 19 |
| Breed of dog | Maltese | 50 | 19 |
| | Pomeranian | 50 | 19 |
| | Poodle | 53 | 20.2 |
| | Mixed breed | 53 | 20.2 |
| | Shih Tzu | 26 | 9.9 |
| | Chihuahua | 13 | 4.9 |
| | Bichon Prize | 11 | 4.2 |
| | Other | 7 | 2.7 |
| Number of pet dogs owned | One dog | 250 | 95.1 |
| | Two or more dogs | 13 | 4.9 |
| Dog age (years) | Under 3 years old | 125 | 47.5 |
| | 4–6 years old | 85 | 32.3 |
| | 7–9 years old | 25 | 9.5 |
| | Over 10 years old | 28 | 10.6 |
| Period of upbringing (dog age) | Under 3 years old | 142 | 54 |
| | 4–6 years old | 67 | 25.5 |
| | 7–9 years old | 20 | 7.6 |
| | Over 10 years old | 34 | 12.9 |
| Total | | 263 | 100 |

Table S2. Results of Lexington attachment to pets scale factor and reliability analyses.

| Variables | Factors | | | Eigenvalue (Descriptive Variance) | Cronbach's α |
|-----------------------|--------------|-------|-------|--------------------------------------|---------------------|
| | 1 | 2 | 3 | | |
| General attachment | attachment2 | 0.820 | | 5.640 (24.521) | 0.921 |
| | attachment4 | 0.774 | | | |
| | attachment3 | 0.728 | | | |
| | attachment6 | 0.675 | | | |
| | attachment8 | 0.647 | | | |
| | attachment10 | 0.639 | | | |
| | attachment5 | 0.608 | | | |
| | attachment7 | 0.586 | | | |
| | attachment11 | 0.584 | | | |
| | attachment1 | 0.583 | | | |
| | attachment9 | 0.557 | | | |
| Person substitution | attachment17 | | 0.726 | 4.190 (18.218) | 0.841 |
| | attachment13 | | 0.720 | | |
| | attachment18 | | 0.705 | | |
| | attachment16 | | 0.627 | | |
| | attachment15 | | 0.620 | | |
| | attachment14 | | 0.573 | | |
| | attachment12 | | 0.525 | | |
| Animal rights/welfare | attachment22 | | 0.824 | 3.739 (16.257) | 0.860 |
| | attachment21 | | 0.676 | | |
| | attachment20 | | 0.639 | | |
| | attachment19 | | 0.637 | | |
| | attachment23 | | 0.619 | | |

Table S3. Results of interpersonal reactivity index factor and reliability analysis.

| Variables | | Factors | | Eigenvalue (Descriptive Variance) | Cronbach's α |
|-------------------|-----------|---------|-------|--------------------------------------|---------------------|
| | | 1 | 2 | | |
| Cognitive empathy | empathy2 | 0.822 | | 6.318 (22.564) | 0.899 |
| | empathy7 | 0.813 | | | |
| | empathy4 | 0.755 | | | |
| | empathy5 | 0.75 | | | |
| | empathy13 | 0.721 | | | |
| | empathy1 | 0.698 | | | |
| | empathy11 | 0.604 | | | |
| | empathy9 | 0.574 | | | |
| | empathy8 | 0.552 | | | |
| | empathy14 | 0.551 | | | |
| | empathy3 | 0.549 | | | |
| | empathy10 | 0.545 | | | |
| | empathy6 | 0.513 | | | |
| | empathy12 | 0.508 | | | |
| Affective empathy | empathy19 | | 0.82 | 5.942 (21.222) | 0.881 |
| | empathy20 | | 0.738 | | |
| | empathy16 | | 0.672 | | |
| | empathy18 | | 0.666 | | |
| | empathy21 | | 0.607 | | |
| | empathy22 | | 0.603 | | |
| | empathy28 | | 0.601 | | |
| | empathy17 | | 0.576 | | |
| | empathy26 | | 0.566 | | |
| | empathy15 | | 0.565 | | |
| | empathy24 | | 0.555 | | |
| | empathy27 | | 0.549 | | |
| | empathy25 | | 0.53 | | |
| | empathy23 | | 0.522 | | |