

Table S1 - Dog's physiological age in human years based on its size [12]

| AGE (years) | DOG'S PHYSIOLOGICAL AGE IN HUMAN YEARS | | | |
|-------------|--|----------|----------|--------|
| | DOG'S SIZE | | | |
| | ≤9 kg | 10-22 kg | 23-41 kg | >41 kg |
| 1 | 15 | 15 | 15 | 15 |
| 2 | 24 | 24 | 24 | 24 |
| 3 | 28 | 28 | 30 | 32 |
| 4 | 32 | 33 | 35 | 37 |
| 5 | 36 | 37 | 40 | 42 |
| 6 | 40 | 42 | 45 | 49 |
| 7 | 44 | 47 | 50 | 56 |
| 8 | 48 | 51 | 55 | 64 |
| 9 | 52 | 56 | 61 | 71 |
| 10 | 56 | 60 | 66 | 78 |
| 11 | 60 | 65 | 72 | 86 |
| 12 | 64 | 69 | 77 | 93 |
| 13 | 68 | 74 | 82 | 101 |
| 14 | 72 | 78 | 88 | 108 |
| 15 | 76 | 83 | 93 | 115 |
| 16 | 80 | 87 | 99 | 123 |
| 17 | 84 | 92 | 104 | -- |
| 18 | 88 | 96 | 109 | -- |
| 19 | 92 | 101 | 115 | -- |
| 20 | 96 | 105 | 120 | -- |

Table S2 - VacciCheck: correspondence between S scale units and antibody titers, sensitivity, and specificity for Canine Parvovirus type 2 (CPV-2), Canine Distemper Virus (CDV), and Canine Adenovirus type 1 (CAv-1)

| | CPV-2 (%) | CDV (%) | CAv-1 (%) |
|------------------------|-------------|-------------|-------------|
| S0 | <1:20 | <1:8 | <1:4 |
| S1 | 1:20 | 1:8 | 1:4 |
| S2 | 1:40 | 1:16 | 1:8 |
| S3 (threshold) | 1:80 | 1:32 | 1:16 |
| S4 | 1:160 | 1:64 | 1:32 |
| S5 | 1:320 | 1:128 | 1:64 |
| S6 | 1:640 | 1:256 | 1:128 |
| >S6 | >1:640 | >1:256 | >1:128 |
| <i>Sensitivity (%)</i> | <i>88</i> | <i>100</i> | <i>94</i> |
| <i>Specificity (%)</i> | <i>100</i> | <i>92</i> | <i>93</i> |

Table S3 - Classification of protection categories for Canine Parvovirus type 2 (CPV-2), Canine Distemper Virus (CDV), and Canine Adenovirus type 1 (CAdV-1) based on antibody titers of VacciCheck

| Categories | CPV-2 | CDV | CAdV-1 |
|-------------------|----------------|---------------|---------------|
| Unprotected | <1:20 | <1:8 | <1:4 |
| Weak Positive | ≥1:20 to <1:80 | ≥1:8 to <1:32 | ≥1:4 to <1:16 |
| Medium Positive | ≥1:80*-<1:160 | ≥1:32*-<1:64 | ≥1:16*-<1:32 |
| High Positive | ≥1:160 | ≥1:64 | ≥1:32 |

* Titers with asterisk represent threshold values

Figure S1 Specific antibody titers for Canine Parvovirus type 2 (CPV-2), Canine Distemper Virus (CDV), and Canine Adenovirus type 1 (CAAdV-1) in the 350 ageing dogs
(titers with asterisk (*) represent the threshold values)

