| Criteria                          | Group and Subgroup | Total Numbers | Numbers of *C. difficile* positive |
|----------------------------------|--------------------|---------------|-----------------------------------|
| **Age**                          |                    |               |                                   |
| <1                               |                    | 22 (6.8%)     | 1 (4.5%)                          |
| 1-8                              |                    | 165 (51.1%)   | 16 (9.7%)                         |
| >8                               |                    | 136 (42.1%)   | 21 (15.4%)                        |
| **Gender**                       |                    |               |                                   |
| Female                           |                    | 182 (56.3%)   | 22 (12.1%)                        |
| Female intact                    |                    | 54 (16.7%)    | 5 (9.3%)                          |
| Female neutered                  |                    | 128 (39.6%)   | 17 (13.3%)                        |
| Male                             |                    | 141 (43.7%)   | 16 (11.3%)                        |
| Male intact                      |                    | 45 (13.9%)    | 2 (4.4%)                          |
| Male neutered                    |                    | 92 (28.5%)    | 14 (2.5%)                         |
| Male chemical castrated          |                    | 4 (1.2%)      | 0 (0.0%)                          |
| **Source of sample**             |                    |               |                                   |
| Healthy dogs                     |                    | 187 (57.9%)   | 19 (10.2%)                        |
| Patient of Vetmeduni             |                    | 136 (42.1%)   | 19 (14.0%)                        |
| **Profession of owner†**         |                    |               |                                   |
| Veterinarian                     |                    | 40 (12.4%)    | 1 (2.5%)                          |
| Veterinary technician            |                    | 31 (9.6%)     | 5 (16.1%)                         |
| Veterinary student               |                    | 74 (22.9%)    | 3 (4.1%)                          |
| Dentist                          |                    | 2 (0.6%)      | 1 (50.0%)                         |
| Medical doctor                   |                    | 19 (5.9%)     | 2 (10.5%)                         |
| Others (non-medical)             |                    | 159 (49.2%)   | 26 (16.4%)                        |
| **Owner contact**                |                    |               |                                   |
| Close                            |                    | 281 (87.0%)   | 35 (12.5%)                        |
| Not close                        |                    | 42 (13.0%)    | 3 (7.1%)                          |
| **Feeding†**                     |                    |               |                                   |
| Commercial diet                  |                    | 289 (89.5%)   | 36 (12.5%)                        |
| Self-cooked                      |                    | 79 (24.5%)    | 15 (19.0%)                        |
| Raw feeding                      |                    | 45 (13.9%)    | 4 (8.9%)                          |
| **Diarrhoea**                    |                    |               |                                   |
| Yes                              |                    | 64 (19.8%)    | 9 (14.1%)                         |
| No                               |                    | 259 (80.2%)   | 29 (11.2%)                        |
| Acute                            |                    | 34 (10.5%)    | 6 (17.6%)                         |
| Chronic                          |                    | 23 (7.1%)     | 3 (13.0%)                         |
| Acute and chronic                |                    | 7 (2.2%)      | 0 (0.0%)                          |
| **Pre-treatment with antibiotics**<br>(previous 4 weeks) | | | |
| Yes                              |                    | 53 (16.4%)    | 14 (26.4%)                        |
| Single                           |                    | 35 (10.8%)    | 7 (20.0%)                         |
| Multiple                         |                    | 13 (4.0%)     | 5 (38.5%)                         |
| Unknown agents                   |                    | 5 (1.5%)      | 2 (40.0%)                         |
| Data not available               |                    | 1 (0.3%)      | 0 (0.0%)                          |
| **Visits to the veterinarian**<br>(previous 6 months) | | | |
| None                             |                    | 103 (31.9%)   | 8 (7.8%)                          |
| Ambulant                         |                    | 193 (59.8%)   | 24 (12.4%)                        |
| In patient                       |                    | 15 (4.6%)     | 2 (13.3%)                         |
| ICU                              |                    | 12 (3.7%)     | 4 (33.3%)                         |
| Immuno-compromised (previous 6 months) | no     | 274 (84.5%) | 29 (10.6%) |
|---------------------------------------|--------|-------------|------------|
| yes†                                  | 46     | (14.2%)     | 8 (17.4%)  |
| chemotherapy                          | 29     | (9.0%)      | 5 (17.2%)  |
| illness                               | 26     | (8.0%)      | 5 (19.2%)  |
| medication                            | 13     | (4.0%)      | 3 (23.1%)  |
| data not available                    | 3      | (0.9%)      | 1 (33.3%)  |
| **In total**                          | 323    |             | 38 (11.8%) |

Demographic and clinical data of sampled dogs and numbers of *C. difficile* positive dogs. No statistical significance using $\chi^2$-test could be determined (p-value < 0.05); †groups/subgroups overlapping, only descriptive data analysis.