**Table S5**. *Blastocystis* sp. carriage rates and subtype diversity reported in humans, animals and environmental samples in Turkey during the period 2000‒2019. Only studies including more than 50 subjects or samples were considered.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Province/  Region | Population/sample | No. Samples | Diagnostic method | Carriage rate | Subtype (ST) (No. isolates) | Reference |
| Ankara | Children  Adults | 185  72 | MC | 10.1–17.1  8.8–18.4 | ND | Vezir et al. (2019) |
|  | Splenectomised patients  Healthy controls | 30  30 | Culture, MC, PCR | 30.0–40.0  13.0 | ST1 (3), ST3 (3) | Karasartova et al. (2016) |
|  | Children (GIS) | 60 | MC | 1.7 | ND | Maçin et al. (2016) |
|  | Children (urticaria) | 211 | MC | 5.7 | ND | Arik Yilmaz et al. (2016) |
|  | Patients (GIS)  Patients (no GIS) | 157  193 | Culture, DFAT, MC, PCR | 19.0  12.0–17.0 | ST1 (6), ST2 (3), ST3 (12), ST4 (5)  ST6 (1), ST7 (5), Mixed (11) | Adiyaman et al. (2015) |
|  | Patients | 87,100 | MC | 0.7 | ND | Gülmez et al., (2013) |
|  | Patients (IBS)  Patients (GIS)  Healthy controls | 55  80  50 | Culture, MC | 29.1–32.7  7.5–18.8  2.0–6.0 | ND | Mumcuoğlu et al. (2013) |
| Antalya | Patients (UC) | 114 | PCR | 34.0 | ND | Kök et al. (2019) |
|  | Patients (IBD)  Patients (IBS)  Healthy controls | 335  877  192 | MC | 8.4  5.8  3.1 | ND | Cekin et al. (2012) |
| Aydin | Patients | 100 | MC, PCR | 86.0 | ST1 (17), ST2 (21), ST3 (50), ST7 (4), ST2/3 (2), ST1/3 (1) | Malatyali et al. (2019) |
|  | Patients (UC) | 150 | Culture, MC, PCR | 4.7–8.0 | ST1 (2), ST2 (1), ST3 (8), ST7 (1) | Coskun et al. (2016) |
|  | Cancer patients | 232 | Culture, MC, PCR | 6.5–10.8 | ST1 (5), ST2 (4), ST3 (13) | Yersal et al. (2016) |
|  | Patients | 61 | PCR | 72.1 | ST1 (9), ST2 (13), ST3 (17), ST1/3 (4), ST1/2 (1) | Ertug et al. (2015) |
| Bursa | Patients (GIS) | 5,624 | MC | 18.7 | ND | Alver et al. (2011) |
| Diyarbakir | Patients (GIS, urticaria)  Healthy subjects | 264  81 | MC, PCR | 19.3  14.6 | ST1 (11), ST2 (11), ST3 (28), ST6 (1), ST1/2 (1), ST1/3 (4), ST2/3 (1), ST1/2/3 (1)  ST1 (1), ST2(1), ST3 (14), ST5 (1), ST1/3 (1) | Cakir et al. (2019) |
| Eskisehir | Symptomatic children  Asymptomatic children | 84  219 | MC, PCR, PCR | 21.4  44.3 | ST1(2), ST3 (7), ST4 (1), ST1/3 (1)  ST1(10), ST2 (4), ST3 (13), ST4 (4), ST1/3 (2), ST1/2 (1), ST2/3(1) | Doğan et al. (2017) |
|  | Children (GIS) | 225 | MC | 7.1 | ND | Doğan et al. (2012) |
| Istanbul | HIV patients | 90 | MC, PCR | 22.2 | ND | Akgül et al. (2018) |
|  | Patients | 6,757 | MC | 63.5 | ND | Selek et al. (2016) |
|  | Patients | 111,889 | MC | 6.0 | ND | Kirkoyun Uysal et al. (2014) |
| Izmir | Immunocompromised children | 62 | MC | 9.7 | ND | Caner et al. (2019) |
|  | Outpatients | 490 | PCR | 18.2 | ND | Aykur et al. (2019) |
|  | Patients (GIS, urticaria) | 37,108 | MC | 6.9 | ND | Tunali et al. (2018) |
|  | HIV patients | 65 | MC | 10.8 | ND | Zorbozan et al. (2018) |
|  | Patients (GIS) | 617 | MC, PCR | 13.5–15.2 | ST1 (13), ST2 (11), ST3 (42), ST6 (1), ST7 (1), ST2/3 (2) | Dagci et al. (2014) |
|  | Patients | 5,073 | MC | 32.3 | ND | Turgay et al. (2012) |
|  | Patients (GIS) | 17756 | MC | 4.4 | ND | Inceboz et al. (2011) |
| Kayseri-Hacilar | School children | 328 | MC | 23.5 | ND | Hamamci et al. (2011) |
| Kocaeli | Dialysis patients | 142 | MC | 23.9 | ND | Karadag et al. (2013) |
| Malatya | Children (GIS) | 1,181 | MC | 9.7 | ND | Calik et al. (2011) |
|  | Administrators, staff | 2,264 | MC | 7.2 | ND | Karaman et al. (2011) |
| Manisa | Patients | 17,711 | MC | 7.6 | ND | Düzyol et al. (2012) |
| Mugla | School children | 468 | MC, PCR | 7.4 | ST1 (11), ST2 (9), ST3 (12), ST7(1) | Sankur et al. (2017) |
| Sanliurfa | Patients | 7,353 | MC | 63.6 | ND | Öncel (2018) |
|  | Children | 100 | MC | 1.2 | ND | Yentur Doni et al. (2016) |
| Van | Patients | 150 | MC | 12.6 | ND | Birdal Akış & Beyhan (2018) |
|  | Patients | 50,185 | MC | 0.5 | ND | Beyhan et al. (2015) |
|  | Patients | 6,267 | MC | 15.4 | ND | Yilmaz et al. (2012) |
|  | Outpatients | 69,633 | MC, ELISA | 26.5 | ND | Taş Cengiz et al. (2019) |
| Aydin, Burdur | Cattle | 80 | PCR | 12.5 | ST10 (2), ST14 (7) | Aynur et al. (2019) |
| Ordu | Surface water | 100 | PCR | 4.0 | ST1 (3), ST3 (1) | Kolören & Karaman (2019) |
| Sinop  Samsun  Amasya | Sea water  River water  River water | 48  75  120 | PCR | 2.0  4.0  5.0 | ST1 (1)  ST1 (2), ST3 (1)  ST1 (2), ST3 (4) | Koloren et al. (2017) |
| Samsun | Surface water | 228 | MC | 20.6 | ND | Karaman et al. (2017) |

DFAT: Direct fluorescent antibody test; ELISA: Enzyme-linked immunosorbent assay; GIS: Gastrointestinal symptoms; HIV: human immunodeficiency virus; IBD: Inflammatory bowel disease; IBS: Irritable bowel syndrome; MC: Microscopy; ND: Not done; PCR: Polymerase chain reaction; UC: ulcerative colitis.

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