

Table S1 Studies containing reports of cases of infection by *S. moniliformis* in humans, including information about the patients, transmission mechanisms, diagnostic methods, and treatments used

| Study | Patient (age/sex) | Symptoms | Transmission | Diagnostic methods | Treatment |
|--|---------------------|---|--|--|---|
| Hamburger M, and HC Knowles. ⁵¹ | 54y/M | Hyperthermia, chills, headache, nausea, vomiting, rash. | Rat bite. | Bacteriological culture. | Chloramphenicol, penicillin G. |
| Lambe DW, et al. ⁵² | 44y/M | Chills, hyperthermia, nausea, vomiting, generalized pain. | There is no history of bites, but rat infestation. | Bacteriological culture | Cephalothin, tetracycline. |
| Shanson DC, et al. ⁵³ | Outbreak (children) | Hyperthermia, rash, arthralgia and sore throat. | Ingestion of contaminated raw milk. | Bacteriological culture and biochemical tests. | Penicillin, co-trimoxazole and tetracycline. |
| Mcevoy MB, et al. ⁵⁴ | Outbreak | Hyperthermia, rash and arthralgia. | Ingestion of contaminated raw milk and water. | Bacteriological culture. | Erythromycin. |
| Wilkins, EG, et al. ⁶ | 39y/M | Hyperthermia, rigors, sore throat, rash, and arthralgia. | Gerbil bite. | Bacteriological culture and biochemical tests. | Penicillin. |
| Peel MM. ⁷ | 50y/M | Hyperthermia, cellulitis, and lymphadenopathy. | Dog bite. | Bacteriological culture and biochemical tests. | There is no information. |
| Frans J, et al. ³⁹ | 16y/M | Headache, vomiting, and hyperthermia. | Rat bite. | Bacteriological culture and biochemical tests; GasChromatoGraphical analysis of fatty-acid profiles. | Amoxicillin-clavulanate. |
| Torres L, et al. ⁵⁵ | 87y/M | Anorexia, polyuria, dysuria, slight dehydration, weight loss, and hyperthermia. | There is no history of bite, but contact with dog and cat. | Bacteriological culture and biochemical tests; ChromatoGraphical analysis of fatty-acid profiles. | Levofloxacin. |
| Willet F, et al. ⁵⁶ | 56y/F | Joint pain and swelling. | Rat bite. | Bacteriological culture and biochemical tests; gene sequencing. | Penicillin G, ofloxacin, rifampicin, and clindamycin. |
| Andre JM, et al. ⁴⁵ | 7y/M | Hyperthermia, maculopapular rash on the hands and feet, blisters on the face and elbows, and severe bilateral arthralgia. | There is no history of bite, but contact with rat. | Bacteriological culture; PCR. | Erythromycin and amoxicillin. |
| Clarke AM, et al. ⁵⁷ | 65y/F | Malaise, intermittent hyperthermia, arthralgia, rash and vomiting. | Rat bite. | Bacteriological culture and biochemical tests. | Benzylpenicillin. |
| Abdulaziz H, et al. ⁵⁸ | 68y/M; 30y/M | Joint pain and swelling and rash, especially in the hind limbs. | Ingestion of raw milk and rat infestation. | Bacteriological culture. | Ceftriaxone and penicillin G. |

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| Albedwawi S, et al. ⁵⁹ | 14y/M | Hyperthermia, arthralgia, and rash. | There is no history of bite, but contact with rat. | Bacteriological culture. | Penicillin. |
| Dendle C, et al. ⁶⁰ | 49y/M | Hyperthermia arthralgia, myalgia, erythema, rash, and fatigue. | Rat bite. | Bacteriological culture and biochemical tests; gene sequencing. | Doxycycline. |
| Irvine LE, and TS Wills. ¹¹ | 60y/M | Hyperthermia, headache, generalized lymphadenopathy, pustular lesions on hands. | There is no history of bites, but contact with mice. | Bacteriological culture. | Ceftazidime, gentamicin, and penicillin. |
| Mignard S, et al. ⁶¹ | 49y/M | Hyperthermia, chills, arthralgia, rash, and weight loss. | Rat bite. | Bacteriological culture; gene sequencing. | Amoxicillin-clavulanic acid. |
| Wang TKF, and SSY Wong. ⁶² | 58y/F | Hyperthermia and arthralgia. | Rat bite. | Bacteriological culture and biochemical tests. | Ampicillin. |
| Nakagomi D, et al. ⁶³ | 74y/F | Arthralgia, myalgia, fatigue rash, and hyperthermia. | Rat bite. | Bacteriological culture; PCR. | Minocycline hydrochloride, and piperacillin sodium. |
| Trigo DM, et al. ⁶⁴ | 24y/None | Hyperthermia, vomiting, headache, myalgia, arthralgia, and macular lesions. | Rat bite. | Bacteriological culture and biochemical tests. | Penicillin, doxycycline and gentamicin. |
| Addle M, et al. ⁶⁵ | 58y/M | Right-sided flank pain, hyperthermia, and lower limb weakness | There is no history of a bite, but contact with dog. | Bacteriological culture and biochemical tests; PCR. | Flucloxacillin, ceftriaxone, and rofloxacilin. |
| Danion F, et al. ⁶⁶ | 41y/F | Intermittent hyperthermia, pustules, papules, and arthralgia. | Rat bite. | Bacteriological culture; gene sequencing. | Amoxicillin. |
| Mackey JR, et al. ⁶⁷ | 3y/M | Hyperthermia, irritability, lack of appetite, vomiting, pain when moving, and rash. | There is no history of a bite, but a wound from handling a pet rat's cage. | Bacteriological culture; PCR; and electrospray ionization followed by mass spectrometry (PCR/ESI-MS). | Ampicillin and amoxicillin. |
| Brown CM, et al. ⁶⁸ | 17y/F | Intermittent fever, nausea, vomiting, pain, and rash. | There is no history of bite, but contact with rat. | Bacteriological culture. | Ceftriaxone. |
| Okamori S, et al. ⁶⁹ | 79y/M | Hyperthermia, diarrhea, fatigue, and joint pain. | There is no history of bites, but rat infestation. | Bacteriological culture; gene sequencing. | Meropenem. |
| Regnath T, et al. ⁷⁰ | 48y/M; 66y/M | Hyperthermia, pain, and chills. | There is no history of bite. | Bacteriological culture; mass spectrometry. | There is no information. |

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| Sato R, et al. ⁷¹ | 52y/M | Hyperthermia, rash, nausea, vomiting, shortness of breath, acute arthralgia, and back pain. | There is no history of bites, but rat infestation. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS); and PCR. | Ceftriaxone and penicillin G. |
| Kawakami Y, et al. ⁷² | 71y/M | Hyperthermia and polyarthralgia. | There is no history of bites, but rat infestation. | Bacteriological culture; PCR. | Ceftriaxone, azithromycin, levofloxacin, and amoxicillin. |
| Vetter NM, et al. ⁷³ | 8y/F | Lethargy, relapsing hyperthermia, rash, and arthralgia. | There is no history of bite, but contact with rat. | Bacteriological culture. | Doxycycline. |
| Hammer A, et al. ⁷⁴ | 40y/M | Diffuse abdominal pain, paresthesia, and hypesthesia distal to dermatome T-10. | Rat bite. | Bacteriological culture and biochemical tests; PCR; and Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS). | Ceftriaxone, metronidazole, and penicillin. |
| Hayakawa Y, et al. ⁷⁵ | 45y/M | Fatigue, arthralgia, hyperthermia, rash, and diarrhea. | Rat bite. | Bacteriological culture; PCR. | Piperacillin-tazobactam, ampicillin-sulbactam, vancomycin, and minocycline. |
| Suzuki K, et al. ⁷⁶ | 39y/M | Hyperthermia, headache, arthralgia, and joint stiffness. | Rat bite. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS). | Doxycycline, ceftriaxone, and amoxicillin. |
| Zamora LMJ, et al. ⁷⁷ | 66y/M | Intermittent hyperthermia, malaise, and arthralgia. | Ingestion of contaminated water and rat infestation. | Bacteriological culture and biochemical tests. | Ceftriaxone, amikacin, levofloxacin, tigecycline, penicillin G, and doxycycline. |
| Nelson C, et al. ⁷⁸ | 33y/F | Hyperthermia, arthralgia, myalgias, dyspnea, orthopnea, and palpitations. | There is no history of bite, but contact with rat. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF); PCR | Ceftriaxone. |
| Torres Miranda D, et al. ⁴⁷ | 52y/F | Joint pain and swelling, weakness, confusion, and hyperthermia. | There is no history of bites, but rat infestation. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS); gene sequencing | Vancomycin, piperacillin-tazobactam, and ceftriaxone. |
| Berbel D, et al. ⁷⁹ | 31y/M | Hyperthermia, unspecific cutaneous lesions in some fingers and feet, arthralgia, and rash. | There is no history of bite, but contact with rat. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-ToF MS); PCR | Ceftriaxone. |

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| Zhang WW, et al. ⁸⁰ | 54y/M | Hyperthermia, malaise, fatigue, chills, diarrhea, myalgia, skin rashes, pustules, petechiae, and jaundice. | Rat bite. | Bacteriological culture; metagenomic next-generation sequencing (mNGS); PCR | Tazobactam, piperacillin, doxycycline, and penicillin. |
| Grugan DB, et al. ⁸¹ | 51y/M | Polyarthralgia, myalgias, hyperthermia, rigors, and rash. | Rat bite. | Bacteriological culture. | Amoxicillin-clavulanic acid. |
| Kämmerer T, et al. ⁸ | 55y/F | Hyperthermia, hand and foot injuries, and arthralgia. | There is no history of bite, but contact with rat. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-ToF MS) | Cefuroxime and penicillin G. |
| Matthews C, and S Ausman. ³⁸ | 35y/M | Nausea, vomiting, hyperthermia, chills, black stools, edema, rash on hands and feet, and arthralgia. | There is no history of bite, but contact with rat. | Bacteriological culture and biochemical tests | Ceftriaxone. |
| Roussel SC, et al. ⁸² | 64y/M | Confusion, left hemiparesis, and multiple crusting lesions on the right side of the forehead. | Rat bite. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-ToF MS); gene sequencing. | Amoxicillin. |
| Wallemacq S, et al. ⁸³ | 91y/M | Hyperthermia, delirium, asthenia, and arthralgia. | Rat bite | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight (MALDI-ToF). | Ampicillin, amoxicillin, and doxycycline. |
| Hall CW, et al. ⁸⁴ | 56y/F | Hyperthermia, headache, Polyarthralgia, paraesthesia, hyperreflexia, and weakness. | There is no history of bite, but contact with rat. | Bacteriological culture; Matrix-assisted laser desorption mass spectrometry (MALDI-MS). | Benzylpenicillin. |
| Mathé P, et al. ⁸⁵ | 32y/F | Hyperthermia, fatigue, arthralgia, and rash. | There is no history of bite, but contact with rat. | Bacteriological culture; Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-ToF MS). | Penicillin G. |

Table S2 Primers and PCR programs used in protocols for the detection and identification of *S. moniliformis*.

| Target gene | Primer | Sequence (5'-3') | PCR program | Expect PCR product | Study | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 16S rRNA | S5 | CATACTCGGAATAAGATGG | (95°C/ 180secs) x1; (95°C/ 20secs, 53°C/60secs, 72°C/60secs) x35; (72°C/420secs) x1. Eisenberg et al. (2014) proposed modifications, changing the annealing temperature (53°C) and time (60secs). | 269bp | Kimura M, et al; ⁴⁶ Fawzy A, et al. ⁸⁶ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AS2 | GCTTAGCTCCTCTTTGTAC | | | | 16S rRNA | SbmF | GAGAGAGCTTTGCATCCT | (94°C/240secs) x1; (94°C/ 60secs, 50°C/60secs, 72°C/60secs) x35; (72°C/420secs) x1. | 1.222bp | Rohde J, et al. ⁹¹ | SbmR | GTAACCTCAGGTGCAACT | 16S rRNA | S | GCTTAACACATGCAAATCTAT | (95°C/180secs) x1; (95°C/ 20secs, 67°C/60secs, 65°C/60secs, 63°C/60secs, 61°C/60secs, 59 °C/60secs) x1; (72°C, 60secs) x1; (57°C/60secs) x35. | 296bp | Boot R, et al. ¹⁸ | AS | AGTAAGGGCCGTATCTCA | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.288bp | Kawakami Y, et al. ⁷² | | 1392R | ACGGGCGGTGTGTRC | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.468bp | Addidle M, et al. ⁶⁵ | | 1541R | AAGGAGGTGATCCAGCCGCA | gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F |
| 16S rRNA | SbmF | GAGAGAGCTTTGCATCCT | (94°C/240secs) x1; (94°C/ 60secs, 50°C/60secs, 72°C/60secs) x35; (72°C/420secs) x1. | 1.222bp | Rohde J, et al. ⁹¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SbmR | GTAACCTCAGGTGCAACT | | | | 16S rRNA | S | GCTTAACACATGCAAATCTAT | (95°C/180secs) x1; (95°C/ 20secs, 67°C/60secs, 65°C/60secs, 63°C/60secs, 61°C/60secs, 59 °C/60secs) x1; (72°C, 60secs) x1; (57°C/60secs) x35. | 296bp | Boot R, et al. ¹⁸ | AS | AGTAAGGGCCGTATCTCA | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.288bp | Kawakami Y, et al. ⁷² | | 1392R | ACGGGCGGTGTGTRC | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.468bp | Addidle M, et al. ⁶⁵ | | 1541R | AAGGAGGTGATCCAGCCGCA | gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | |
| 16S rRNA | S | GCTTAACACATGCAAATCTAT | (95°C/180secs) x1; (95°C/ 20secs, 67°C/60secs, 65°C/60secs, 63°C/60secs, 61°C/60secs, 59 °C/60secs) x1; (72°C, 60secs) x1; (57°C/60secs) x35. | 296bp | Boot R, et al. ¹⁸ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AS | AGTAAGGGCCGTATCTCA | | | | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.288bp | Kawakami Y, et al. ⁷² | | 1392R | ACGGGCGGTGTGTRC | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.468bp | Addidle M, et al. ⁶⁵ | | 1541R | AAGGAGGTGATCCAGCCGCA | gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | |
| 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.288bp | Kawakami Y, et al. ⁷² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1392R | ACGGGCGGTGTGTRC | | | | 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.468bp | Addidle M, et al. ⁶⁵ | | 1541R | AAGGAGGTGATCCAGCCGCA | gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | |
| 16S rRNA | F27 | AGAGTTTGATCMTGGCTCAG | There is no information. | 1.468bp | Addidle M, et al. ⁶⁵ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1541R | AAGGAGGTGATCCAGCCGCA | | | | gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| gyrB | MZK-F | AAGATAGGGTAATGCTTACAGAAGGAG | There is no information. | 514bp | Hayashimoto N, et al. ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MZK-R | AATCTACCTTGTTTTGCAGATCCAC | | | | rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| rpiL | Smon_PF2515_F1_3 | AGAGAAACTCAATGCAGAATTAGAGGACTATAA | (95°C/180secs) x1; (95°C/10secs) x40; (63°C/30secs) x1. | 171bp | Kelly AJ, et al. ⁹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Smon_PF2515_R3 | CCTCTTTCTAAGTTGTCCAAGTTTTCTA | | | | gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| gyrB | Smon_PF2515_P3_2 | TCTAAAAGAAAAGAAAAGGAATTACAGGAATAT | (95°C/180secs)x1; (95°C/15secs)x40; (60°C/45secs)x1. | 96bp | Passaretti T, et al. ¹⁷ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Smoni-gyrB-F | AGTTTAAAATCCCTGAACCACAATT | | | | | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Smoni-gyrB-R | ACTTCAAACACTCCTGAAACTATACTTG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |