|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Isolate** | **Source (host)\*** | **Origin\*** | **Antibiotic resistance determined by antibiogram†** | **pAsa4-like presence based on genotyping‡** | **Reference** |
| A449 | Brown trout | France | TET, CHL | + | ([Reith et al. 2008](#_ENREF_11)) |
| 01-B522 | Brook trout | Quebec | SXT, TET | + | ([Daher et al. 2011](#_ENREF_5)) |
| JF2267 | Arctic char | Switzerland | CHL | + | ([Braun et al. 2002](#_ENREF_2)) |
| HER1098 | INA | United States | - | - | ([Daher et al. 2011](#_ENREF_5)) |
| HER1110 | INA | Japan | - | - | ([Popoff 1971](#_ENREF_10)) |
| HER1108 | INA | Denmark | - | - | ([Popoff 1971](#_ENREF_10)) |
| HER1104 | INA | France | - | - | ([Daher et al. 2011](#_ENREF_5)) |
| HER1085 | Tout | Norway | - | - | ([Daher et al. 2011](#_ENREF_5)) |
| HER1084 | INA | France | - | - | ([Popoff 1971](#_ENREF_10)) |
| HER1107 | INA | INA | TET |  | ([Daher et al. 2011](#_ENREF_5)) |
| 01-B516 | Brook trout | Quebec | - | - | ([Daher et al. 2011](#_ENREF_5)) |
| 01-B526 | Brook trout | Quebec | - | - | ([Dautremepuits et al. 2006](#_ENREF_6)) |
| 07-9324 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 07-7817 | INA | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 07-7346 | Atlantic salmon | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 07-5957 | Atlantic salmon | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 08-2647 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 09-0167 | Atlantic salmon | Quebec |  | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 07-7287 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 08-2783 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 08-4188 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m17524-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m14349-09 | Atlantic salmon | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m23281-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m23067-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m19438-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m16583-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m14231-09 | Atlantic salmon | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m11743-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m11431-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m10419-09 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m9906-09 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m9954-10 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m8029-10 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m11603-10 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m6363-10 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| m9221-10 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2009-178 K9 | Atlantic salmon | New Brunswick |  | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2009-157 K5 | Brook trout | New Brunswick | TET | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2010-47 K18 | Brook trout | New Brunswick | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2004-05 MF26 | INA | New Brunswick | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2004-68 K52 | Atlantic salmon | Nova Scotia | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2009-195 K29 | Brook trout | New Brunswick | TET | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2009-144 K3 | Brook trout | New Brunswick | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| 2005-175 K2 | Brook trout | New Brunswick | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M10935-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M15448-11 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M16474-11 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M19878-11 | Brook trout | Quebec | SXT | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M11500-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M16486-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M13460-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M13729-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M14481-11 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M15879-11 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M17739-11 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M13732-11 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M17053-11 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M15878-11 | Rainbow trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M13182-11 | Atlantic salmon | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M17735-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M15576-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M15469-11 | Brook trout | Quebec | TET, CHL, FFC | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M22710-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M13764-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M18076-11 | Lumpfish | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| M23911-11 | Brook trout | Quebec | - | - | ([Trudel et al. 2013](#_ENREF_13)) |
| RS 1458 | Rainbow trout | Ontario | TET | + | ([Attere et al. 2015](#_ENREF_1)) |
| RS 1706 | Chinook salmon | Ontario | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| RS 1835 | Coho salmon | Ontario | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| RS 1752 | Pumpkinseed | Ontario | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| RS 1705 | Brook trout | Ontario | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| RS 1744 | Coho salmon | Ontario | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| RS 530 (NCMB 1102) | Atlantic salmon | Wales, United Kingdom | - | - | ([Burr & Frey 2007](#_ENREF_3); [Kupfer et al. 2006](#_ENREF_8); [Olivier et al. 1992](#_ENREF_9)) |
| RS 534 (A450) | INA | France | TET, CHL | + | ([Kay et al. 1981](#_ENREF_7)) |
| RS 887 | Coho salmon | Russia | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M12357-12 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| M21375-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M16237-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M12976-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M22895-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M10745-12 | Brown trout | Quebec | TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| M9754-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M17930-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M12418-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M21368-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M13050-12 | Brook trout | Quebec | TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| M24783-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M13566-12 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| M14404-12 | Atlantic salmon | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M16671-12 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| M16042-12 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-162 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-574 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-1470 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2188 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2222 | Brook trout | Quebec | SXT | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2257 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2263 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2317 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2425 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2458 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2534 | Atlantic salmon | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2627 | Brook trout | Quebec | TET | + | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2630 | Brook trout | Quebec | SXT, TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2825 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2873 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-2909 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-3101 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-3127 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-3795 | Brook trout | Quebec | TET, CHL, FFC | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-3798 | Brook trout | Quebec | - | - | ([Attere et al. 2015](#_ENREF_1)) |
| SHY13-3799 | Brook trout | Quebec | TET | + | ([Attere et al. 2015](#_ENREF_1)) |
| JF2506 | Atlantic salmon | Norway | - | - | ([Burr & Frey 2007](#_ENREF_3); [Olivier et al. 1992](#_ENREF_9)) |
| JF2507 | Atlantic salmon | Scotland, United Kingdom | - | - | ([Burr & Frey 2007](#_ENREF_3); [Olivier et al. 1992](#_ENREF_9)) |
| JF2510 | Atlantic salmon | Norway | - | - | ([Burr & Frey 2007](#_ENREF_3); [Olivier et al. 1992](#_ENREF_9)) |
| JF3224 | Brown trout | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3); [Burr et al. 2005](#_ENREF_4)) |
| JF3327 | Arctic char | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3496 | Brown trout | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3517 | Turbot | Norway | CHL | + | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3518 | Turbot | Norway | CHL | + | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3844 | Arctic char | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF2869 | Arctic char | INA | CHL | + | ([Studer et al. 2013](#_ENREF_12)) |
| JF3223 | Brown trout | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3519 | Arctic char | Switzerland | - | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF3791 | Arctic char | Switzerland | CHL | - | ([Burr & Frey 2007](#_ENREF_3)) |
| JF4111 | Arctic Char | Switzerland | - | - | ([Studer et al. 2013](#_ENREF_12)) |
| JF4112 | Arctic Char | Switzerland | - | - | ([Studer et al. 2013](#_ENREF_12)) |
| JF4113 | Arctic Char | Switzerland | - | - | ([Studer et al. 2013](#_ENREF_12)) |

\* INA = information not available.

† Resistances to SXT = sulfamethoxazole/trimethoprim (23.75 µg/1.25 µg), TET = tetracycline (5 µg), FCC = florfénicol (30 µg) and CHL = chloramphenicol (30 µg) (Becton Dickinson, USA) were assayed as previously described ([Trudel et al. 2013](#_ENREF_13)).

‡ Genotyping was done using primers named in Table S2.

**References for this table**

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