Table 1. Sequence information for the serotype A data set.

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence name | GenBank ID | Year | Country |
| A(b)/BuenosAires/Arg/00 | AM179995.1 | 2000 | Argentina |
| A(b)/Junin/Arg/01 | AM180018.1 | 2001 | Argentina |
| A(b)/Rivadavia/Arg/01 | AM180000.1 | 2001 | Argentina |
| A(b)/TLauquen/Arg/01 | AM180012.1 | 2001 | Argentina |
| A(c)/BuenosAires/Arg/01 | AM180020.1 | 2001 | Argentina |
| A(c)/TLauquen/Arg/01 | AM180024.1 | 2001 | Argentina |
| A(x)/GVillegas/Arg/00 | AM179989.1 | 2000 | Argentina |
| A/Alem/Arg/81 | AJ306219.1 | 1981 | Argentina |
| A/Arg/00 | AM179989.1 | 2000 | Argentina |
| A/Arg/01 | AM180024.1 | 2001 | Argentina |
| A/Arg/59 | JQ082961.1 | 1959 | Argentina |
| A/Arg/66 | JQ082962.1 | 1966 | Argentina |
| A/Arg/68 | AJ308694.1 | 1968 | Argentina |
| A/Arg/76 | AJ409219.1 | 1976 | Argentina |
| A/Arg/87 | AJ306220.1 | 1987 | Argentina |
| A/Atreuco/Arg/01 | AM180006.1 | 2001 | Argentina |
| A/Ayacucho/Arg/90 | AJ308696.1 | 1990 | Argentina |
| A/Bahia\_Blanca/Arg/71 | AJ308695.1 | 1971 | Argentina |
| A/BuenosAires/Arg/00 | AM179990.1 | 2000 | Argentina |
| A/Castellanos/Arg/87 | AJ306222.1 | 1987 | Argentina |
| A/Chapaleu/Arg/00 | AM179993.1 | 2000 | Argentina |
| A/Chapaleu/Arg/01 | JQ082908.1 | 2001 | Argentina |
| A/Chivilcoy/Arg/01 | AM180009.1 | 2001 | Argentina |
| A/Cordoba/Arg/90 | AJ308697.1 | 1990 | Argentina |
| A/Cordoba/Arg/92 | AJ308700.1 | 1992 | Argentina |
| A/Corrrientes/Arg/92 | AJ308701.1 | 1992 | Argentina |
| A/CPellegrini/Arg/00 | AM179998.1 | 2000 | Argentina |
| A/Craik/Arg/00 | AM179988.1 | 2000 | Argentina |
| A/CSuarez/Arg/01 | AM180014.1 | 2001 | Argentina |
| A/CTejedor/Arg/00 | AM179996.1 | 2000 | Argentina |
| A/Daireaux/Arg/01 | AM180019.1 | 2001 | Argentina |
| A/Diamante/Arg/01 | AM180011.1 | 2001 | Argentina |
| A/Diareaux/Arg/01 | AM180010.1 | 2001 | Argentina |
| A/Dupuy/Arg/01 | AM180003.1 | 2001 | Argentina |
| A/GAlvear/Arg/01 | AM180021.1 | 2001 | Argentina |
| A/GLopez/Arg/01 | AM180004.1 | 2001 | Argentina |
| A/Guatreche/Arg/01 | AM180016.1 | 2001 | Argentina |
| A/GVillegas/Arg/00 | AM179992.1 | 2000 | Argentina |
| A/Junin/Arg/01 | AM180017.1 | 2001 | Argentina |
| A/LaPampa/Arg/01 | JQ082908.1 | 2001 | Argentina |
| A/Lobos/Arg/01 | AM180007.1 | 2001 | Argentina |
| A/Lomas/Arg/00 | AM179997.1 | 2000 | Argentina |
| A/Lomas/Arg/01 | AM180015.1 | 2001 | Argentina |
| A/Maraco/Arg/00 | AM179999.1 | 2000 | Argentina |
| A/Mercedes/Arg/01 | AM180022.1 | 2001 | Argentina |
| A/Pehuajo/Arg/92 | AJ308702.1 | 1992 | Argentina |
| A/RCuarto/Arg/02 | AM180024.1 | 2002 | Argentina |
| A/Rivadavia/Arg/01 | AM180000.1 | 2001 | Argentina |
| A/Rivadavia/Arg/91 | AJ308699.1 | 1991 | Argentina |
| A/RSegundo/Arg/00 | AM179991.1 | 2000 | Argentina |
| A/SAAreco/Arg/01 | AM180005.1 | 2001 | Argentina |
| A/San\_Ignacio/Arg/90 | AJ308698.1 | 1990 | Argentina |
| A/SJusto/Arg/00 | AM179994.1 | 2000 | Argentina |
| A/Suipacha/Arg/62 | JQ082959.1 | 1962 | Argentina |
| A/T.Lauquen/Arg/01 | JQ082909.1 | 2001 | Argentina |
| A/TLauquen/Arg/01 | AM180008.1 | 2001 | Argentina |
| A/Union/Arg/01 | AM180002.1 | 2001 | Argentina |
| A/Utracan/Arg/87 | AJ306221.1 | 1987 | Argentina |
| A(b)/Sta.Cruz/Bol/01 | JQ082916.1 | 2001 | Bolivia |
| A(c)/Sta.Cruz/Bol/01 | JQ082916.1 | 2001 | Bolivia |
| A/Beni/Bol/02 | JQ082921.1 | 2002 | Bolivia |
| A/Cochabamba/Bol/01 | JQ082918.1 | 2001 | Bolivia |
| A/Oruro/Bol/01 | JQ082919.1 | 2001 | Bolivia |
| A/Potosi/Bol/01 | JQ082920.1 | 2001 | Bolivia |
| A/Sta.Cruz/Bol/00 | JQ082915.1 | 2000 | Bolivia |
| A(b)/Cacapava/Bra/76 | JQ082970.1 | 1976 | Brazil |
| A(b)/RS/Bra/01 | JQ082912.1 | 2001 | Brazil |
| A(c)/RS/Bra/01 | JQ082913.1 | 2001 | Brazil |
| A/Bage/Bra/76 | JQ082969.1 | 1976 | Brazil |
| A/Belem/Bra/59 | JQ082956.1 | 1959 | Brazil |
| A/Bra/58 | JQ082955.1 | 1958 | Brazil |
| A/Bra/70 | JQ082966.1 | 1970 | Brazil |
| A/Cacapava/Bra/76 | EU553851.1 | 1976 | Brazil |
| A/Cruzeiro/Bra/55 | JQ082960.1 | 1955 | Brazil |
| A/Guarulhos/Bra/59 | JQ082957.1 | 1959 | Brazil |
| A/Pedregulho/Bra/76 | JQ082971.1 | 1976 | Brazil |
| A/RS/Bra/81 | JQ082974.1 | 1981 | Brazil |
| A/RS/Bra/97 | JQ082982.1 | 1997 | Brazil |
| A/SaoCarlos/Bra/84 | JQ082975.1 | 1984 | Brazil |
| A/Venceslau/Bra/76 | K03344.1 | 1976 | Brazil |
| A(b)/N.de\_Santander/Col/08 | JQ082923.1 | 2008 | Colombia |
| A(c)/N.de\_Santander/Col/08 | JQ082924.1 | 2008 | Colombia |
| A(d)/N.de\_Santander/Col/08 | JQ082924.1 | 2008 | Colombia |
| A(e)/N.de\_Santander/Col/08 | JQ082923.1 | 2008 | Colombia |
| A(f)/N.de\_Santander/Col/08 | JQ082927.1 | 2008 | Colombia |
| A(g)/N.de\_Santander/Col/08 | JQ082928.1 | 2008 | Colombia |
| A/Antioquia/Col/97 | JQ082979.1 | 1997 | Colombia |
| A/Col/67 | JQ082963.1 | 1967 | Colombia |
| A/Col/84 | JQ082976.1 | 1984 | Colombia |
| A/Cordoba/Col/97 | JQ082980.1 | 1997 | Colombia |
| A/Cundinamarca/Col/76 | JQ082972.1 | 1976 | Colombia |
| A/Cundinamarca/Col/97 | JQ082981.1 | 1997 | Colombia |
| A/N.\_de\_Santander/Col/04 | JQ082922.1 | 2004 | Colombia |
| A/Sabana/Col/85 | JQ082977.1 | 1985 | Colombia |
| A/Ecu/02 | JQ082929.1 | 2002 | Ecuador |
| A/Ecu/75 | JQ082967.1 | 1975 | Ecuador |
| A/Ecu/79 | JQ082973.1 | 1979 | Ecuador |
| A/Per/00 | JQ082930.1 | 2000 | Peru |
| A/Per/69 | JQ082964.1 | 1969 | Peru |
| A/Per/99 | JQ082931.1 | 1999 | Peru |
| A/San\_Martin/Per/75 | JQ082968.1 | 1975 | Peru |
| A/Colonia/Uru/01 | JQ082911.1 | 2001 | Uruguay |
| A/Treita\_y\_Tres/Uru/01 | JQ082910.1 | 2001 | Uruguay |
| A(b)/Barinas/Ven/04 | JQ082946.1 | 2004 | Venezuela |
| A(b)/Merida/Ven/03 | JQ082938.1 | 2003 | Venezuela |
| A(b)/Merida/Ven/05 | JQ082951.1 | 2005 | Venezuela |
| A(b)/Tachira/Ven/04 | JQ082940.1 | 2004 | Venezuela |
| A(c)/Merida/Ven/05 | JQ082952.1 | 2005 | Venezuela |
| A(c)/Tachira/Ven/04 | JQ082942.1 | 2004 | Venezuela |
| A(c)/Ven/70 | EU553882.1 | 1970 | Venezuela |
| A(d)/RS/Bra/01 | JQ082914.1 | 2001 | Venezuela |
| A(d)/Tachira/Ven/04 | JQ082947.1 | 2004 | Venezuela |
| A/Apure/Ven/04 | JQ082948.1 | 2004 | Venezuela |
| A/Apure/Ven/05 | JQ082949.1 | 2005 | Venezuela |
| A/Apure/Ven/06 | JQ082953.1 | 2006 | Venezuela |
| A/Barinas/Ven/03 | JQ082936.1 | 2003 | Venezuela |
| A/Barinas/Ven/04 | JQ082941.1 | 2004 | Venezuela |
| A/Bolivar/Ven/01 | JQ082933.1 | 2001 | Venezuela |
| A/Bolivar/Ven/03 | JQ082935.1 | 2003 | Venezuela |
| A/Falcon/Ven/04 | JQ082945.1 | 2004 | Venezuela |
| A/Merida/Ven/02 | JQ082934.1 | 2002 | Venezuela |
| A/Merida/Ven/03 | JQ082937.1 | 2003 | Venezuela |
| A/Merida/Ven/04 | JQ082943.1 | 2004 | Venezuela |
| A/Merida/Ven/05 | JQ082950.1 | 2005 | Venezuela |
| A/Portuguesa/Ven/07 | JQ082954.1 | 2007 | Venezuela |
| A/Tachira/Ven/01 | JQ082932.1 | 2001 | Venezuela |
| A/Tachira/Ven/04 | JQ082939.1 | 2004 | Venezuela |
| A/Ven/70 | EU553882.1 | 1970 | Venezuela |
| A/Ven/89 | JQ082978.1 | 1989 | Venezuela |
| A/Yaracuy/Ven/04 | JQ082944.1 | 2004 | Venezuela |
| A/Zulia/Ven/62 | JQ082958.1 | 1962 | Venezuela |

Table 2. Sequence information for the serotype O data set.

|  |  |  |  |
| --- | --- | --- | --- |
| Sequence name | GenBank ID | Year | Country |
| O\_MS\_Bra\_98 | DQ834704.1 | 1998 | Brazil |
| O\_Argentina\_00 | DQ834705.1 | 2000 | Argentina |
| O\_RS\_Bra\_00 | DQ834706.1 | 2000 | Brazil |
| O\_Artigas\_Uru\_00 | DQ834707.1 | 2000 | Uruguay |
| O\_Tarija\_Bol\_00 | DQ834708.1 | 2000 | Bolivia |
| O\_Tarija\_Bol\_01 | DQ834709.1 | 2001 | Bolivia |
| O\_Canindeyu\_Par\_02 | DQ834710.1 | 2002 | Paraguay |
| O\_PozoHondo\_Par\_03 | DQ834711.1 | 2003 | Paraguay |
| O\_Chuquisaca\_Bol\_03 | DQ834712.1 | 2003 | Bolivia |
| O\_Potosi\_Bol\_03 | DQ834713.1 | 2003 | Bolivia |
| O\_MS\_1a\_\_Bra\_05\_a | DQ834714.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_b | DQ834715.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_c | DQ834716.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_d | DQ834717.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_e | DQ834718.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_f | DQ834719.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_g | DQ834720.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_h | DQ834721.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_i | DQ834722.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_j | DQ834723.1 | 2005 | Brazil |
| O\_MS\_Bra\_05\_2 | DQ834724.1 | 2005 | Brazil |
| O\_MS\_Bra\_3 | DQ834725.1 | 2003 | Brazil |
| O\_MS\_Bra\_05\_4 | DQ834726.1 | 2005 | Brazil |
| O\_Corrientes\_Arg\_06 | DQ834727.1 | 2006 | Argentina |
| O\_Pando\_Bol\_00 | HQ695737.1 | 2000 | Bolivia |
| O\_Tarija\_Bol\_00\_\_a\_ | HQ695738.1 | 2000 | Bolivia |
| O\_Potosi\_Bol\_01 | HQ695739.1 | 2001 | Bolivia |
| O\_Tarija\_Bol\_01\_\_a\_ | HQ695740.1 | 2001 | Bolivia |
| O\_Beni\_Bol\_01 | HQ695741.1 | 2001 | Bolivia |
| O\_LaPaz\_Bol\_02\_\_a\_ | HQ695742.1 | 2002 | Bolivia |
| O\_LaPaz\_Bol\_02\_\_b\_ | HQ695743.1 | 2002 | Bolivia |
| O\_LaPaz\_Bol\_02\_c\_ | HQ695744.1 | 2002 | Bolivia |
| O\_Potosi\_Bol\_03\_\_a\_ | HQ695745.1 | 2003 | Bolivia |
| O\_SantaCruz\_Bol\_07 | HQ695746.1 | 2007 | Bolivia |
| O\_Cundinamarca\_Col\_94\_\_a\_ | HQ695747.1 | 1994 | Colombia |
| O\_Santander\_Col\_94 | HQ695748.1 | 1994 | Colombia |
| O\_Boyaca\_Col\_94\_\_a\_ | HQ695749.1 | 1994 | Colombia |
| O\_Boyaca\_Col\_94\_\_b\_ | HQ695750.1 | 1994 | Colombia |
| O\_Boyaca\_Col\_94\_\_c\_ | HQ695751.1 | 1994 | Colombia |
| O\_Valle\_Col\_94 | HQ695752.1 | 1994 | Colombia |
| O\_Boyaca\_Col\_94\_\_d\_ | HQ695753.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_94\_\_b\_ | HQ695754.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_94\_\_c\_ | HQ695755.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_94\_\_d\_ | HQ695756.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_94\_\_e\_ | HQ695757.1 | 1994 | Colombia |
| O\_Cauca\_Col\_94\_a\_ | HQ695758.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_94\_\_f\_ | HQ695759.1 | 1994 | Colombia |
| O\_Narino\_Col\_94 | HQ695760.1 | 1994 | Colombia |
| O\_Cauca\_Col\_94\_\_b\_ | HQ695761.1 | 1994 | Colombia |
| O\_Casanare\_Col\_94 | HQ695762.1 | 1994 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_a\_ | HQ695763.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_b\_ | HQ695764.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_c\_ | HQ695765.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_d\_ | HQ695766.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_e\_ | HQ695767.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_f\_ | HQ695768.1 | 1995 | Colombia |
| O\_Cundinamarca\_Col\_95\_\_g\_ | HQ695769.1 | 1995 | Colombia |
| O\_Narino\_Col\_98\_\_a\_ | HQ695770.1 | 1998 | Colombia |
| O\_Cauca\_Col\_98 | HQ695771.1 | 1998 | Colombia |
| O\_Narino\_Col\_98\_\_b\_ | HQ695772.1 | 1998 | Colombia |
| O\_Narino\_Col\_98\_\_c\_ | HQ695773.1 | 1998 | Colombia |
| O\_Narino\_Col\_99 | HQ695774.1 | 1999 | Colombia |
| O\_Narino\_Col\_00\_\_a\_ | HQ695775.1 | 2000 | Colombia |
| O\_Narino\_Col\_00\_\_b\_ | HQ695776.1 | 2000 | Colombia |
| O\_Cundinamarca\_Col\_00 | HQ695777.1 | 2000 | Colombia |
| O\_Narino\_Col\_00\_\_c\_ | HQ695778.1 | 2000 | Colombia |
| O\_Narino\_Col\_00\_\_d\_ | HQ695779.1 | 2000 | Colombia |
| O\_Narino\_Col\_02 | HQ695780.1 | 2002 | Colombia |
| O\_Santander\_Col\_08\_\_a\_ | HQ695781.1 | 2008 | Colombia |
| O\_Santander\_Col\_08\_\_b\_ | HQ695782.1 | 2008 | Colombia |
| O\_Esmeraldas\_Ecu\_02\_\_003-02\_ | HQ695783.1 | 2002 | Ecuador |
| O\_Pichincha\_Ecu\_02\_\_027-02\_ | HQ695784.1 | 2002 | Ecuador |
| O\_Pichincha\_Ecu\_02\_\_071-02\_ | HQ695785.1 | 2002 | Ecuador |
| O\_Napo\_Ecu\_03\_\_005-03\_ | HQ695786.1 | 2003 | Ecuador |
| O\_Napo\_Ecu\_03\_\_009-03\_ | HQ695787.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_03\_\_016-03\_ | HQ695788.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_03\_\_019-03\_ | HQ695789.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_03\_\_020-03\_ | HQ695790.1 | 2003 | Ecuador |
| O\_Loja\_Ecu\_03\_\_025-03\_ | HQ695791.1 | 2003 | Ecuador |
| O\_Loja\_Ecu\_03\_\_027-03\_ | HQ695792.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_03\_\_028-03\_ | HQ695793.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_03\_\_029-03\_ | HQ695794.1 | 2003 | Ecuador |
| O\_Sucumbios\_Ecu\_04\_\_002-04\_ | HQ695795.1 | 2004 | Ecuador |
| O\_Cotopaxi\_Ecu\_04\_\_034-04\_ | HQ695796.1 | 2004 | Ecuador |
| O\_Tsachila\_Ecu\_04\_\_035-04\_ | HQ695797.1 | 2004 | Ecuador |
| O\_Imbabura\_Ecu\_04\_\_038-04\_ | HQ695798.1 | 2004 | Ecuador |
| O\_Tsachila\_Ecu\_04\_\_039-04\_ | HQ695799.1 | 2004 | Ecuador |
| O\_Cotopaxi\_Ecu\_04\_\_040-04\_ | HQ695800.1 | 2004 | Ecuador |
| O\_Carchi\_Ecu\_04\_\_041-04\_ | HQ695801.1 | 2004 | Ecuador |
| O\_Carchi\_Ecu\_04\_\_042-04\_ | HQ695802.1 | 2004 | Ecuador |
| O\_Bolivar\_Ecu\_04\_\_043-04\_ | HQ695803.1 | 2004 | Ecuador |
| O\_Tsachila\_Ecu\_04\_\_045-04\_ | HQ695804.1 | 2004 | Ecuador |
| O\_Cotopaxi\_Ecu\_04\_\_048-04\_ | HQ695805.1 | 2004 | Ecuador |
| O\_Pichincha\_Ecu\_04\_\_050-04\_ | HQ695806.1 | 2004 | Ecuador |
| O\_Guayas\_Ecu\_04\_\_057-04\_ | HQ695807.1 | 2004 | Ecuador |
| O\_Pichincha\_Ecu\_04\_\_\_064-04\_ | HQ695808.1 | 2004 | Ecuador |
| O\_Cotopaxi\_Ecu\_04\_\_067-04\_ | HQ695809.1 | 2004 | Ecuador |
| O\_Pichincha\_Ecu\_04\_\_070-04\_ | HQ695810.1 | 2004 | Ecuador |
| O\_LosRios\_Ecu\_04\_\_071-04\_ | HQ695811.1 | 2004 | Ecuador |
| O\_Carchi\_Ecu\_04\_\_072-04\_ | HQ695812.1 | 2004 | Ecuador |
| O\_LosRios\_Ecu\_04\_\_074-04\_ | HQ695813.1 | 2004 | Ecuador |
| O\_Esmeraldas\_Ecu\_04\_\_097-04\_ | HQ695814.1 | 2004 | Ecuador |
| O\_Cotopaxi\_Ecu\_04\_\_099-04\_ | HQ695815.1 | 2004 | Ecuador |
| O\_Imbabura\_Ecu\_04\_\_101-04\_ | HQ695816.1 | 2004 | Ecuador |
| O\_Tsachila\_Ecu\_04\_\_106-04\_ | HQ695817.1 | 2004 | Ecuador |
| O\_Pichincha\_Ecu\_05\_\_01-05\_ | HQ695818.1 | 2005 | Ecuador |
| O\_Esmeraldas\_Ecu\_05 | HQ695819.1 | 2005 | Ecuador |
| O\_Esmeraldas\_Ecu\_05\_10-05\_ | HQ695820.1 | 2005 | Ecuador |
| O\_ElOro\_Ecu\_05\_\_12-05\_ | HQ695821.1 | 2005 | Ecuador |
| O\_Guayas\_Ecu\_05\_\_13-05\_ | HQ695822.1 | 2005 | Ecuador |
| O\_ElOro\_Ecu\_05\_\_16-05\_ | HQ695823.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_20-05\_ | HQ695824.1 | 2005 | Ecuador |
| O\_Imbabura\_Ecu\_05\_\_23-05\_ | HQ695825.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_24-05\_ | HQ695826.1 | 2005 | Ecuador |
| O\_ElOro\_Ecu\_05\_\_28-05\_ | HQ695827.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_31-05\_ | HQ695828.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_32-05\_ | HQ695829.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_33-05\_ | HQ695830.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_35-05\_ | HQ695831.1 | 2005 | Ecuador |
| O\_Esmeraldas\_Ecu\_05\_\_37-05\_ | HQ695832.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_40-05\_ | HQ695833.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_44-05\_ | HQ695834.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_52-05\_ | HQ695835.1 | 2005 | Ecuador |
| O\_Manabi\_Ecu\_05\_\_54-05\_ | HQ695836.1 | 2005 | Ecuador |
| O\_Pichincha\_Ecu\_06\_\_03-06\_ | HQ695837.1 | 2006 | Ecuador |
| O\_Pichincha\_Ecu\_06\_\_04-06\_ | HQ695838.1 | 2006 | Ecuador |
| O\_Tsachila\_Ecu\_06\_\_17-06\_ | HQ695839.1 | 2006 | Ecuador |
| O\_Imbabura\_Ecu\_07\_\_13-07\_ | HQ695840.1 | 2007 | Ecuador |
| O\_Pichincha\_Ecu\_07\_\_s.n\_ | HQ695841.1 | 2007 | Ecuador |
| O\_Esmeraldas\_Ecu\_08\_\_11-08\_ | HQ695842.1 | 2008 | Ecuador |
| O\_LosRios\_Ecu\_08\_\_14-08\_ | HQ695843.1 | 2008 | Ecuador |
| O\_Lima\_Peru\_04 | HQ695844.1 | 2004 | Peru |
| O\_Yaracuy\_Ven\_03\_\_21081\_ | HQ695845.1 | 2003 | Venezuela |
| O\_Merida\_Ven\_04\_\_21237\_ | HQ695846.1 | 2004 | Venezuela |
| O\_Trujillo\_Ven\_05\_\_21378\_ | HQ695847.1 | 2005 | Venezuela |
| O\_Zulia\_Ven\_05\_\_21386\_ | HQ695848.1 | 2005 | Venezuela |
| O\_Trujillo\_Ven\_06\_\_21522\_ | HQ695849.1 | 2006 | Venezuela |
| O\_Trujillo\_Ven\_07\_\_21555\_ | HQ695850.1 | 2007 | Venezuela |
| O\_LosRios\_Ecu\_09\_\_12-09\_ | JN005890.1 | 2009 | Ecuador |
| O\_Esmeraldas\_Ecu\_09\_\_16-09\_ | JN005891.1 | 2009 | Ecuador |
| O\_Napo\_Ecu\_09\_\_39-09\_ | JN005892.1 | 2009 | Ecuador |
| O\_Tsachila\_Ecu\_09\_\_50-09\_ | JN005893.1 | 2009 | Ecuador |
| O\_Pichincha\_Ecu\_09\_\_65-09\_ | JN005894.1 | 2009 | Ecuador |
| O\_Carchi\_Ecu\_09\_\_76-09\_ | JN005895.1 | 2009 | Ecuador |
| O\_Tsachila\_Ecu\_09\_\_78-09\_ | JN005896.1 | 2009 | Ecuador |
| O\_Napo\_Ecu\_09\_\_83-09\_ | JN005897.1 | 2009 | Ecuador |
| O\_Pichincha\_Ecu\_09\_\_85-09\_ | JN005898.1 | 2009 | Ecuador |
| O\_Guayas\_Ecu\_09\_\_86-09\_ | JN005899.1 | 2009 | Ecuador |
| O\_Tungurahua\_Ecu\_09\_\_89-09\_ | JN005900.1 | 2009 | Ecuador |
| O\_Pichincha\_Ecu\_09\_\_109-09\_ | JN005901.1 | 2009 | Ecuador |
| O\_Cotopaxi\_Ecu\_09\_\_126-09\_ | JN005902.1 | 2009 | Ecuador |
| O\_Pichincha\_Ecu\_09\_\_145-09\_ | JN005903.1 | 2009 | Ecuador |
| O\_Chimborazo\_Ecu\_09\_\_148-09\_ | JN005904.1 | 2009 | Ecuador |
| O\_Manabi\_Ecu\_09\_\_153-09\_ | JN005905.1 | 2009 | Ecuador |
| O\_Imbabura\_Ecu\_09\_\_169-09\_ | JN005906.1 | 2009 | Ecuador |
| O\_Pichincha\_Ecu\_09\_\_178-09\_ | JN005907.1 | 2009 | Ecuador |
| O\_Bolivar\_Ecu\_09\_\_188-09\_ | JN005908.1 | 2009 | Ecuador |
| O\_Tsachila\_Ecu\_10\_\_10-10\_ | JN005909.1 | 2010 | Ecuador |
| O\_Pichincha\_Ecu\_10\_\_15-10\_ | JN005910.1 | 2010 | Ecuador |
| O\_LosRios\_Ecu\_10\_\_21-10\_ | JN005911.1 | 2010 | Ecuador |
| O\_Tsachila\_Ecu\_10\_\_23-10\_ | JN005912.1 | 2010 | Ecuador |
| O\_Sucumbios\_Ecu\_10\_\_28-10\_ | JN005913.1 | 2010 | Ecuador |
| O\_Cotopaxi\_Ecu\_10\_\_32-10\_ | JN005914.1 | 2010 | Ecuador |
| O\_Imbabura\_Ecu\_10\_\_34-10\_ | JN005915.1 | 2010 | Ecuador |
| O\_Bolivar\_Ecu\_10\_\_44-10\_ | JN005916.1 | 2010 | Ecuador |
| O\_Napo\_Ecu\_10\_\_46-10\_ | JN005917.1 | 2010 | Ecuador |
| O\_Orellana\_Ecu\_10\_58-10\_ | JN005918.1 | 2010 | Ecuador |