**Supplementary File 3**. Table: MSV isolates for which symptoms were quantified.

|  |  |  |
| --- | --- | --- |
| **Accession #** | **MSV isolate** | **Sampling year** |
| FJ882115 | MSV-A [ZA\_Hei\_O9\_1979] | 1979 |
| FJ882132 | MSV-A [ZA\_Pot4\_O28\_1979] | 1979 |
| FJ882134 | MSV-A [ZA\_Pot6\_O29\_1979] | 1979 |
| FJ882136 | MSV-A [ZA\_Pot8\_O33\_1979] | 1979 |
| FJ882131 | MSV-A [ZA\_Pot3\_O27-1979] | 1979 |
| X01633 | MSV-A [NG\_Ns\_1980] | 1980 |
| FJ882140 | MSV-A [ZW\_Har2\_Mic22\_1987] | 1987 |
| KY618107 | MSV-A [ZA\_Gre\_O59\_1987] | 1987 |
| KY618115 | MSV-A [ZA\_Bet\_O60\_1987] | 1987 |
| KY618117 | MSV-A [ZA\_Bet\_O65\_1987] | 1987 |
| KY618100 | MSV-A [ZA\_Let\_O83\_1987] | 1987 |
| KY618102 | MSV-A [ZA\_Let\_O87\_1987] | 1987 |
| KY618105 | MSV-A [ZA\_Let\_O84\_1987] | 1987 |
| HQ693421 | MSV-A [ZA\_Mak2\_M49\_1988] | 1988 |
| KY618098 | MSV-A [ZA\_Ila\_O45\_1988] | 1988 |
| AF003952 | MSV-A [ZA\_Kom\_1989] | 1989 |
| KY618086 | MSV-A [KE\_Kim\_O57\_1990] | 1990 |
| KY618088 | MSV-A [KE\_Ler\_O54\_1990] | 1990 |
| FJ882143 | MSV-A [ZW\_Mas2\_Mic4\_1993] | 1993 |
| HQ693396 | MSV-A [RE\_Pie4\_Mic13\_1994] | 1994 |
| AF329881 | MSV-A [ZW\_MatA\_1994] | 1994 |
| FJ882103 | MSV-A [RE\_Jos1\_Mic18\_1995] | 1995 |
| AF329885 | MSV-A [KE\_MtKA\_1997] | 1997 |
| X94330 | MSV-A [RE\_Reu2\_1997] | 1997 |
| AF329878 | MSV-A [KE\_Ama\_1998] | 1998 |
| AF329884 | MSV-A [ZA\_MakD\_1998] | 1998 |
| AF329883 | MSV-A [ZW\_MatC\_1998] | 1998 |
| EF547117 | MSV-A [UG\_Bug245\_2005] | 2005 |
| EF547075 | MSV-A [UG\_Bush53\_2005] | 2005 |
| EF547099 | MSV-A [UG\_Hoi154\_2005] | 2005 |
| EF547081 | MSV-A [UG\_Kab82\_2005] | 2005 |
| EF547122 | MSV-A [UG\_Kap292\_2005] | 2005 |
| EF547096 | MSV-A [UG\_Kib179\_2005] | 2005 |
| EF547107 | MSV-A [UG\_Kib188\_2005] | 2005 |
| EF547087 | MSV-A [UG\_Luw110\_2005] | 2005 |
| EF547074 | MSV-A [UG\_Mba41\_2005] | 2005 |
| EF547083 | MSV-A [UG\_Mpi\_11\_2005] | 2005 |
| EF547083 | MSV-A [UG\_Mub94\_2005] | 2005 |
| EF547079 | MSV-A [UG\_Kas\_75\_2005] | 2005 |
| EF547085 | MSV-A [UG\_Luw\_107\_2005] | 2005 |
| EF547064 | MSV-A [UG\_Wak\_4\_2005] | 2005 |
| HQ693407 | MSV-A [ZA\_Cat2\_D3\_2006] | 2006 |
| HQ693468 | MSV-A [ZW\_Chi\_Zim3\_2006] | 2006 |
| FJ882141 | MSV-A [ZW\_Hel2\_Bet36\_2006] | 2006 |
| FJ882142 | MSV-A [ZW\_Mas1\_Bet43\_2006] | 2006 |
| EU628568 | MSV-A [ZA\_ThoE\_g132\_2006] | 2006 |
| EU152254 | MSV-A [ZA\_Nat\_g195\_2006] | 2006 |
| EU628575 | MSV-A [ZA\_RosE\_g131\_2006] | 2006 |
| EU628576 | MSV-A [Zw\_Nmg\_g168\_2006] | 2006 |
| HQ693340 | MSV-A [MZ\_Bil6\_Bet25\_2007] | 2007 |
| HQ693342 | MSV-A [MZ\_Chi1\_chimoz\_2007] | 2007 |
| HQ693346 | MSV-A [MZ\_Inh2\_Moz1\_2007] | 2007 |
| HQ693358 | MSV-A [MZ\_Map8\_Moz3\_2007] | 2007 |
| HQ693359 | MSV-A [MZ\_Map9\_Moz4\_2007] | 2007 |
| HQ693363 | MSV-A [MZ\_Pem2\_Moz37\_2007] | 2007 |
| FJ882099 | MSV-A [MZ\_Pem5\_Moz41\_2007] | 2007 |
| FJ882101 | MSV-A [MZ\_Xai1\_xaimoz\_2007] | 2007 |
| FJ882128 | MSV-A [ZA\_Pot1\_Riz48\_2007] | 2007 |
| EU628573 | MSV-A [ZA\_Omr\_g221\_2007] | 2007 |