Supplemental Table 1. Analyzed *Coccidioides* isolate list

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tree ID** | **Species ID** | **Locale****City/County/State** | **Geographic****Location** | **Year** | **Figure****Appearance** | **Average****X Coverage** | **Percent mapped to reference at 10x coverage** |
| Tucson\_1 | *C. posadasii* | Tucson/Pima | Arizona | 1990 | 1,2,4,5,S1-S5, S9 | 62 | 86.51% |
| Tucson\_2 | *C. posadasii* | Tucson/Pima | Arizona | ~ | 1,2,4,5,S1-S5, S9 | 66 | 86.83% |
| Tucson\_3 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 236 | 89.44% |
| Tucson\_4 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 100 | 87.66% |
| Tucson\_5 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 88 | 87.04% |
| Tucson\_6 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 53 | 85.89% |
| Tucson\_7 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 106 | 88.19% |
| Tucson\_8 | *C. posadasii* | Tucson/Pima | Arizona | ~ | 1,2,4,5,S1-S5, S9 | 101 | 87.60% |
| Tucson\_9 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 115 | 87.68% |
| Tucson\_10 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 100 | 87.42% |
| Tucson\_11 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 133 | 88.40% |
| Tucson\_12 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 105 | 87.61% |
| Tucson\_13 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 53 | 87.21% |
| Tucson\_14 | *C. posadasii* | Tucson/Pima | Arizona | 1989 | 1,2,4,5,S1-S5, S9 | 36 | 84.96% |
| Tucson\_15 | *C. posadasii* | Tucson/Pima | Arizona | 1989 | 1,2,4,5,S1-S5, S9 | 34 | 85.05% |
| Tucson\_16 | *C. posadasii* | Tucson/Pima | Arizona | 1989 | 1,2,4,5,S1-S5, S9 | 69 | 86.83% |
| Tucson\_17 | *C. posadasii* | Tucson/Pima | Arizona | 1986 | 1,2,4,5,S1-S5, S9 | 56 | 85.77% |
| Tucson\_18 | *C. posadasii* | Tucson/Pima | Arizona | 1987 | 1,2,4,5,S1-S5, S9 | 37 | 85.15% |
| Tucson\_19 | *C. posadasii* | Tucson/Pima | Arizona | 1987 | 1,2,4,5,S1-S5, S9 | 71 | 86.86% |
| Tucson\_20 | *C. posadasii* | Tucson/Pima | Arizona | 1987 | 1,2,4,5,S1-S5, S9 | 53 | 86.13% |
| Tucson\_21 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 131 | 88.17% |
| Tucson\_22 | *C. posadasii* | Tucson/Pima | Arizona | 1988 | 1,2,4,5,S1-S5, S9 | 33 | 84.72% |
| Tucson\_23 | *C. posadasii* | Tucson/Pima | Arizona | 1976 | 1,2,4,5,S1-S5, S9 | 59 | 86.02% |
| San\_Antonio\_1 | *C. posadasii* | San Antonio | Texas | ~ | 1,2,4,5,S1-S5, S9 | 81 | 87.04% |
| Colorado\_Springs\_1 | *C. posadasii* | Colorado Springs | Colorado | 1997 | 1,2,4,5,S1-S5, S9 | 68 | 86.38% |
| Nuevo\_Leon\_1 | *C. posadasii* | Nuevo Leon | Cent. Mexico | ~ | 1,2,4,5,S1-S5, S9 | 74 | 85.85% |
| Nuevo\_Leon\_2 | *C. posadasii* | Nuevo Leon | Cent. Mexico | ~ | 1,2,4,5,S1-S5, S9 | 95 | 86.30% |
| Michoacan\_1 | *C. posadasii* | Michoacán | South Mexico | ~ | 1,2,4,5,S1-S5, S9 | 92 | 86.55% |
| Sonora\_1 | *C. posadasii* | Sonora | North Mexico | ~ | 1,2,4,5,S1-S5, S9 | 46 | 85.35% |
| Sonora\_2 | *C. posadasii* | Sonora | North Mexico | ~ | 1,2,4,5,S1-S5, S9 | 33 | 84.84% |
| Tucson\_24 | *C. posadasii* | Tucson/Pima | Arizona | 1991 | 1,2,4,5,S1-S5, S9 | 167 | 88.53% |
| Coahuila\_2 | *C. posadasii* | Coahuila | North Mexico | ~ | 1,2,4,5,S1-S5, S9 | 82 | 87.27% |
| Phoenix\_1 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 39 | 85.12% |
| Phoenix \_2 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2003 | 1,2,4,5,S1-S5, S9 | 84 | 86.82% |
| Phoenix \_3 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 74 | 86.30% |
| Phoenix \_4 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2003 | 1,2,4,5,S1-S5, S9 | 47 | 85.12% |
| Phoenix \_5 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 66 | 86.65% |
| Phoenix \_6 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 37 | 85.22% |
| Phoenix \_7 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 50 | 85.46% |
| Phoenix \_8 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 40 | 84.95% |
| Phoenix \_9 | *C. posadasii* | Phoenix/Maricopa | Arizona | 2002 | 1,2,4,5,S1-S5, S9 | 49 | 85.66% |
| GT017\_Paraguay | *C. posadasii* | Paraguay | Paraguay | ~ | 1,2,4,5,S1-S5, S9 | 39 | 83.51% |
| GT002\_Texas | *C. posadasii* | Midland | Texas | 1947 | 1,2,4,5,S1-S5, S9 | 73 | 85.13% |
| B0858\_Guatemala | *C. posadasii* | Guatemala | Guatemala | 1967 | 1,2,4,5,S1-S5, S9 | 64 | 85.53% |
| 730332\_Guatemala | *C. posadasii* | Guatemala | Guatemala | 2014 | 1,2,4,5,S1-S5, S9 | 34 | 83.86% |
| 730333\_Guatemala | *C. posadasii* | Guatemala | Guatemala | 2014 | 1,2,4,5,S1-S5, S9 | 31 | 83.05% |
| 730334\_Guatemala | *C. posadasii* | Guatemala | Guatemala | 2014 | 1,2,4,5,S1-S5, S9 | 44 | 83.88% |
| B10757\_Nevada | *C. posadasii* | Nevada | Nevada | 2014 | 1,2,4,5,S1-S5, S9 | 50 | 84.68% |
| B10813\_Tx | *C. posadasii* | Texas | Texas | 2014 | 1,2,4,5,S1-S5, S9 | 88 | 85.20% |
| B1249\_Guatemala | *C. posadasii* | Guatemala | Guatemala | 1971 | 1,2,4,5,S1-S5, S9 | 62 | 85.36% |
| B5773\_Brazil | *C. posadasii* | Brazil | Brazil | 1997 | 1,2,4,5,S1-S5, S9 | 53 | 84.04% |
| RMSCC 2133 | *C. posadasii* | San Antonio | Texas | ~ | 4,S1,S3,S5 | ~ | ~ |
| RMSCC 3700 | *C. posadasii* | Jujuy | Argentina | ~ | 4,S1,S3,S5 | ~ | ~ |
| RMSCC 3488 | *C. posadasii* | Sonora | Mexico | ~ | 4,S1,S3,S5 | ~ | ~ |
| RMSCC 1038 | *C. posadasii* | Tucson | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| RMSCC 1040 | *C. posadasii* | Arizona | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| RMSCC 1037\_Soil | *C. posadasii* | Tucson | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| CPA 0001\_Soil | *C. posadasii* | Tucson | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| CPA 0020\_Soil | *C. posadasii* | Tucson | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| CPA 0066\_Soil | *C. posadasii* | Tucson | Arizona | ~ | 4,S1,S3,S5 | ~ | ~ |
| B0727\_Argentina | *C. immitis* | Buenos Aries | Argentina | 1959 | 1,3-5,S1,S2,S6-9 | 42 | 93.69% |
| Michoacan\_2 | *C. immitis* | Michoacan | South Mexico | ~ | 1,3-5,S1,S2,S6-9 | 22 | 87.61% |
| Guerrero\_1 | *C. immitis* | Guerrero | South Mexico | ~ | 1,3-5,S1,S2,S6-9 | 33 | 93.49% |
| San\_Diego\_1 | *C. immitis* | San Diego | California | ~ | 1,3-5,S1,S2,S6-9 | 52 | 98.30% |
| Coahuila\_1 | *C. immitis* | Coahuila | Mexico | ~ | 1,3-5,S1,S2,S6-9 | 82 | 95.50% |
| SJV\_1 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 24 | 92.58% |
| SJV\_2 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 69 | 93.78% |
| SJV\_3 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 22 | 85.65% |
| SJV\_4 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 90 | 95.18% |
| SJV\_5 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 57 | 94.01% |
| SJV\_6 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 19 | 89.33% |
| SJV\_7 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 100 | 94.64% |
| SJV\_8 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 33 | 93.77% |
| SJV\_9 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 26 | 92.87% |
| SJV\_10 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 73 | 95.28% |
| SJV\_11 | *C. immitis* | San Joaquin Valley | California | ~ | 1,3-5,S1,S2,S6-9 | 37 | 92.86% |
| Washington\_1 | *C. immitis* | SE Washington | Washington | 2010 | 1,3-5,S1,S2,S6-9 | 75 | 93.90% |
| WA221-Soil | *C. immitis* | SE Washington | Washington | 2014 | 1,3-5,S1,S2,S6-9 | 30 | 92.12% |
| CDC202\_soil | *C. immitis* | SE Washington | Washington | 2010 | S9 | 63 | ~ |
| CDC205\_soil | *C. immitis* | SE Washington | Washington | 2010 | S9 | 63 | ~ |
| CDC211\_soil | *C. immitis* | SE Washington | Washington | 2010 | S9 | 60 | ~ |
| CDC212\_soil | *C. immitis* | SE Washington | Washington | 2010 | S9 | 67 | ~ |
| RS | *C. immitis* | Central CA | California | ~ |  4,S1,S9 | ~ | ~ |
| H538.4 | *C. immitis* | Central CA | California | ~ |  4,S1 | ~ | ~ |
| RMSCC 2394 | *C. immitis* | San Diego | California | ~ |  4,S1 | ~ | ~ |
| RMSCC 3703 | *C. immitis* | San Diego | California | ~ |  4,S1 | ~ | ~ |