**Supplementary table 2: The accession numbers, locations, and citations of the nucleocapsid protein sequences of TSWV obtained from the NCBI database which were used on the phylogenetic tree to compare Alabama sequences with.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Accession number** | **Location** | **Citation** | **No** | **Accession number** | **Location** | **Citation** |
| 1 | DQ777177.1 | North Carolina | ([Tsompana](https://onlinelibrary.wiley.com/authored-by/TSOMPANA/M.) et al., 2004) | 40 | DQ777136.1 | North Carolina | ([Tsompana](https://onlinelibrary.wiley.com/authored-by/TSOMPANA/M.) et al., 2004) |
| 2 | DQ777176.1 | 41 | DQ777135.1 |
| 3 | DQ777175.1 | 42 | DQ777134.1 |
| 4 | DQ777174.1 | 43 | DQ777133.1 |
| 5 | DQ777173.1 | 44 | DQ777132.1 |
| 6 | DQ777172.1 | 45 | DQ777131.1 |
| 7 | DQ777170.1 | 46 | DQ777130.1 |
| 8 | DQ777169.1 | 47 | DQ777129.1 |
| 9 | DQ777169.1 | 48 | DQ777128.1 |
| 10 | DQ777167.1 | 49 | DQ777127.1 |
| 11 | DQ777166.1 | 50 | DQ777126.1 |
| 12 | DQ777165.1 | 51 | DQ777125.1 |
| 13 | DQ777164.1 | 52 | DQ777124.1 |
| 14 | DQ777163.1 | 53 | DQ777123.1 |
| 15 | DQ777162.1 | 54 | DQ777122.1 |
| 16 | DQ777161.1 | 55 | DQ777121.1 |
| 17 | DQ777160.1 | 56 | DQ777120.1 |
| 18 | DQ777159.1 | 57 | DQ777119.1 |
| 17 | DQ777158.1 | 58 | DQ777118.1 |
| 20 | DQ777157.1 | 59 | DQ777115.1 |
| 21 | DQ777156.1 | 60 | DQ777114.1 |
| 22 | DQ777155.1 | 61 | DQ777112.1 |
| 23 | DQ777154.1 | 62 | DQ777111.1 |
| 24 | DQ777153.1 | 63 | DQ777110.1 |
| 25 | DQ777152.1 | 64 | DQ777109.1 |
| 26 | DQ777151.1 | 65 | DQ777108.1 |
| 27 | DQ777150.1 | 66 | DQ777107.1 |
| 28 | DQ777149.1 | 67 | DQ777106.1 |
| 29 | DQ777148.1 | 68 | DQ777105.1 |
| 30 | DQ777147.1 | 69 | DQ777104.1 |
| 31 | DQ777146.1 | 70 | DQ777595.1 | ([Tsompana](https://onlinelibrary.wiley.com/authored-by/TSOMPANA/M.) et al., 2004) |
| 32 | DQ777145.1 | 71 | DQ777555.1 |
| 33 | DQ777144.1 | 72 | AY856343.1 | (Abad et al., 2005) |
| 34 | DQ777143.1 | 73 | AY856342.1 |
| 35 | DQ777142.1 | 74 | AY856344.1 |
| 36 | DQ777141.1 | 75 | HQ406984.1 | Gorgia  Gorgia | (Sundaraj et al., 2013)  (Sundaraj et al., 2013) |
| 37 | DQ777140.1 | 76 | HQ406983.1 |
| 38 | DQ777139.1 | 77 | HQ406982.1 |
| 39 | DQ777138.1 | 78 | HQ406981.1 |
| 79 | HQ406980.1 | Gorgia  Gorgia | (Sundaraj et al., 2013) | 124 | HQ406934.1 |
| 80 | HQ406979.1 | 125 | HQ406933.1 |
| 81 | HQ406978.1 | 126 | HQ406932.1 |
| 82 | HQ406977.1 | 127 | HQ406931.1 |
| 83 | HQ406976.1 | 128 | HQ406930.1 |
| 84 | HQ406975.1 | 129 | HQ406929.1 |
| 85 | HQ406974.1 | 130 | HQ406928.1 |
| 86 | HQ406973.1 | 131 | HQ406927.1 |
| 87 | HQ406972.1 | 132 | HQ406926.1 |
| 88 | HQ406971.1 | 133 | HQ406925.1 |
| 89 | HQ406970.1 | 134 | HQ406924.1 |
| 90 | HQ406969.1 | 135 | HQ406923.1 |
| 91 | HQ406968.1 | 136 | HQ406922.1 |
| 92 | HQ406967.1 | 137 | HQ406921.1 |
| 93 | HQ406966.1 | 138 | HQ406920.1 |
| 94 | HQ406965.1 | 139 | HQ406919.1 |
| 95 | HQ406964.1 | 140 | HQ406918.1 |
| 96 | HQ406963.1 | 141 | HQ406917.1 |
| 97 | HQ406962.1 | 142 | HQ406916.1 |
| 98 | HQ406961.1 | 143 | HQ406915.1 |
| 99 | HQ406960.1 | 144 | HQ406914.1 |
| 100 | HQ406959.1 | 145 | HQ406913.1 |
| 101 | HQ406958.1 | 146 | HQ406912.1 |
| 102 | HQ406956.1 | 147 | HQ406911.1 |
| 103 | HQ406955.1 | 148 | HQ406910.1 |
| 104 | HQ406954.1 | 149 | HQ406909.1 |
| 105 | HQ406953.1 | 150 | HQ406908.1 |
| 106 | HQ406952.1 | 151 | HQ406907.1 |
| 107 | HQ406951.1 | 152 | HQ406906.1 |
| 108 | HQ406950.1 | 153 | HQ406905.1 |
| 109 | HQ406949.1 | 154 | HQ406904.1 |
| 110 | HQ406948.1 | 155 | HQ406903.1 |
| 111 | HQ406947.1 | 156 | MW519186 | Georgia | (Lai et al., 2021)  (Lai et al., 2021) |
| 112 | HQ406946.1 | 157 | MW519187 |
| 113 | HQ406945.1 | 158 | MW519188 |
| 114 | HQ406944.1 | 159 | MW519189 |
| 115 | HQ406943.1 | 160 | MW519190 |
| 116 | HQ406942.1 | 161 | MW519191 |
| 117 | HQ406941.1 | 162 | MW519192 |
| 118 | HQ406940.1 | 163 | MW519193 |
| 119 | HQ406939.1 | 164 | MW519194 |
| 120 | HQ406938.1 | 165 | MW519195 |
| 121 | HQ406937.1 | 166 | MW519196 |
| 122 | HQ406936.1 | 167 | MW519197 |
| 123 | HQ406935.1 | 168 | MW519198 |
| 169 | MW519199 | (Lai et al., 2021) | 211 | MW519241 | Georgia |
| 170 | MW519200 | 212 | MW519242 |
| 171 | MW519201 | 213 | MW519243 |
| 172 | MW519202 | 214 | MW519244 |
| 173 | MW519203 | 215 | MT2 - X61799.1 | Hawaii | (Kim, 1991) |
| 174 | MW519204 | 216 | Z36882.1 | Italy | (Vaira et al., 1995) |
| 175 | MW519205 | 217 | MK468469.1 | China | (Shuai, 2019) |
| 176 | MW519206 | 218 | DQ453158.1 | South Korea | (Chung, 2006) |
| 177 | MW519207 | 219 | AB010997.1 | Japan | (Tsuda et al., 1994) |
| 178 | MW519208 | 220 | AB038341.1 |
| 179 | MW519209 |
| 180 | MW519210 |
| 181 | MW519211 |
| 182 | MW519212 |
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