**Supplemental Appendix 2. Detailed morphological and pholidosis data of examined specimens of the *D. fasciatum* complex. “—” indicates not applicable (for type status) or missing data. “Near-topotype” means the specimen is from the vicinity of the type locality.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Voucher number** | **CIB 2620** | **CIB 2622** | **CIB 2621** | **SYS r001847** | **SYS r001848** | **SYS r000988** | **SYS r002050** | **SYS r000574** | **KIZ 044140** | **KIZ 044132** | **KIZ 044134** | **KIZ 044133** | **KIZ 044141** | **KIZ 037765** | **KIZ 038337** |
| Type status | Holotype (*szechwanense*) | Paratype (*szechwanense*) | Allotype (*szechwanense*) | Topotype (*szechwanense*) | Topotype (*szechwanense*) | Holotype (*jinggangense*) | — | — | — | — | — | — | — | — | — |
| Sex | M | M | F | M | M | M | M | F | M | M | M | M | F | M | M |
| SVL | 69.4 | 54.5 | 64.5 | 68.6 | 80.62 | 70.98 | 64.43 | 77.1 | 69.7 | 62.6 | 55.3 | 54.8 | 57.1 | 73.7 | 67.6 |
| TAL | 124.0 | 102.0 | 111.0 | 123.8 | — | 120.82 | 112.3 | 145.2 | 136.2 | 116.6 | 111.4 | 99.7 | 106.9 | 144 | 137 |
| HL | 21.7 | 18.0 | 20.9 | 22.15 | 23.98 | 20.65 | 19.77 | 24.6 | 23.3 | 21.1 | 17.9 | 17.8 | 18.1 | 24.57 | 21.09 |
| HW | 13.8 | 11.6 | 12.4 | 13.45 | 14.58 | 14.45 | 13.6 | 14.6 | 13.4 | 13.1 | 10.9 | 10.7 | 11.1 | 12.47 | 11.05 |
| HD | 11.6 | 9.1 | 10.6 | 11.62 | 11.75 | 11.57 | 10.82 | 11.8 | 11.5 | 10.4 | 9.1 | 8.7 | 9.1 | 14.77 | 13.13 |
| SEL | 8.7 | 7.6 | 8.4 | 9.3 | 9.4 | 8.4 | 8.0 | 9.8 | 9.1 | 8.5 | 7.3 | 7.0 | 7.2 | 10.14 | 8.82 |
| FLL  | 31.4 | 25.3 | 28.6 | 30.9 | 33.8 | 31.3 | 28.6 | 32.4 | 29.3 | 28.1 | 25.7 | 22.6 | 24.2 | 30.72 | 28.96 |
| HLL | 44.0 | 37.1 | 41.0 | 46.4 | 48.6 | 47.2 | 41.5 | 46.3 | 44.9 | 41.9 | 38.1 | 36.7 | 37.6 | 47.98 | 44.06 |
| TRL | 35.2 | 27.2 | 28.8 | 32.9 | 41.0 | 31.9 | 29.7 | 33.5 | 32.3 | 27.3 | 25.0 | 24.1 | 27.8 | 32.28 | 31.1 |
| TNCL | 2.2 | 1.8 | 1.9 | 2.8 | 2.8 | 2.4 | 2.9 | 2.4 | 2.6 | 2.3 | 1.7 | 2.0 | 2.1 | 2.43 | 2.54 |
| TAL/SVL | 178.6% | 187.2% | 172.2% | 180.5% | — | 170.2% | 174.3% | 188.3% | 195.6% | 186.4% | 201.3% | 182.1% | 187.3% | 195.4% | 202.7% |
| HW/HL | 63.6% | 64.2% | 59.6% | 60.7% | 60.8% | 70.0% | 68.8% | 59.3% | 57.7% | 62.1% | 61.1% | 60.4% | 61.2% | 60.1% | 62.3% |
| HD/HL | 53.3% | 50.8% | 50.9% | 52.5% | 49.0% | 56.0% | 54.7% | 47.8% | 49.3% | 49.0% | 51.1% | 49.0% | 50.0% | 50.8% | 52.4% |
| HD/HW | 83.9% | 79.1% | 85.3% | 86.4% | 80.6% | 80.1% | 79.6% | 80.6% | 85.4% | 78.9% | 83.7% | 81.2% | 81.6% | 84.4% | 84.2% |
| SEL/HL | 40.0% | 42.3% | 40.3% | 41.9% | 39.0% | 40.6% | 40.6% | 39.7% | 38.8% | 40.3% | 40.7% | 39.5% | 39.9% | 41.3% | 41.8% |
| FLL/SVL | 45.2% | 46.4% | 44.4% | 45.0% | 42.0% | 44.1% | 44.4% | 42.0% | 42.0% | 45.0% | 46.5% | 41.3% | 42.3% | 41.7% | 42.8% |
| HLL/SVL | 63.4% | 68.0% | 63.6% | 67.6% | 60.2% | 66.5% | 64.4% | 60.1% | 64.5% | 67.0% | 68.9% | 66.9% | 65.9% | 65.1% | 65.2% |
| TRL/SVL | 50.7% | 50.0% | 44.7% | 47.9% | 50.9% | 44.9% | 46.0% | 43.5% | 46.4% | 43.6% | 45.1% | 43.9% | 48.7% | 43.8% | 46.0% |
| TNC/HL | 10.0% | 10.1% | 9.2% | 12.6% | 11.5% | 11.8% | 14.8% | 9.8% | 11.2% | 11.1% | 9.7% | 11.2% | 11.6% | 9.9% | 12.0% |
| SL | 8/7 | 8/9 | 8/9 | 8/7 | 7/8 | 8/7 | 7/7 | 8/8 | 8/7 | 8/7 | 7/8 | 7/8 | — | 7/7 | 8/8 |
| IL | 8/7 | 9/8 | 8/8 | 9/8 | 8/8 | 7/7 | 8/7 | 8/9 | 9/8 | 7/8 | 8/7 | 9/9 | — | 8/8 | 9/8 |
| NSL | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/1 | 0/0 | 1/1 | 1/0 | 0/0 | 1/1 | — | 0/0 | 0/0 |
| MD | 39 | 41 | 37 | 42 | 42 | 36 | 37 | — | 36 | 34 | 37 | 38 | — | 46 | 38 |
| F4S | 22/22 | 21/— | 23/21 | 21/23 | 25/25 | 19/18 | 22/23 | — | 20/19 | 20/19 | 20/21 | 23/21 | — | 21/21 | 21/22 |
| T4S | 25/25 | 24/28 | 24/25 | 25/25 | 28/29 | 22/22 | 24/24 | — | 22/23 | 21/23 | 27/25 | 25/25 | — | 26/27 | 23/26 |
| SOR | 3/3 | 3/3 | 2/2 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | — | 3/3 | 3/3 |
| PTS  | 2/1 | 2/2 | 2/2 | 6/5 | 3/3 | 4/2 | 5/6 | 2/3 | 1/2 | 2/1 | 2/1 | 2/1 | — | — | — |
| PTY  | 5/4 | 5/5 | 6/7 | 8/9 | 6/6 | 6/8 | 9/9 | 2/2 | 4/6 | 4/5 | 4/4 | 5/5 | — | — | — |
| PRS  | 7/8 | 7/5 | 9/8 | 13/10 | 9/12 | 10/10 | 13/11 | / | 7/5 | 8/7 | 6/9 | 6/7 | — | — | — |

**Supplemental Appendix 2 continued.**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Voucher number** | **SMF 9871** | **KIZ 040192** | **SYS r001583** | **SYS r001441** | **SYS r001584** | **SYS r001682** | **SYS r001683** | **SYS r002145** | **SYS r002175** | **SYS r001500** | **SYS r001802** | **SYS r001913** | **SYS r002013** |
| Type status | Holotype (*fasciatum*) | Near-topotype (*fasciatum*) | — | — | — | — | — | — | — | — | — | — | — |
| Sex | M | F | M | M | M | M | M | M | M | F | F | F | F |
| SVL | 57 | 52.91 | 52.4 | 74.5 | 55.7 | 72.2 | 60.0 | 73.8 | 60.5 | 89.9 | 49.5 | 70.4 | 70.7 |
| TAL | 115 | 104 | 103.7 | 135.5 | 104.4 | 137.8 | 106.0 | 134.2 | 108.3 | 155.3 | 90.9 | 130.2 | 127.7 |
| HL | 17.7 | 17.49 | 17.0 | 23.5 | 16.4 | 23.3 | 17.4 | 22.4 | 17.5 | 27.0 | 14.6 | 21.5 | 19.7 |
| HW | 11.6 | 10.3 | 11.4 | 15.7 | 12.0 | 14.7 | 12.7 | 14.7 | 11.8 | 16.0 | 10.5 | 13.8 | 13.7 |
| HD | 9.8 | 8.72 | 9.1 | 13.6 | 9.8 | 12.7 | 9.7 | 11.5 | 9.3 | 13.5 | 8.1 | 11.3 | 10.3 |
| SEL | 6.8 | 7.32 | 6.7 | 9.5 | 6.8 | 8.5 | 7.2 | 9.3 | 7.2 | 10.8 | 6.1 | 9.2 | 8.2 |
| FLL  | 27.9 | 26.78 | 23.6 | 30.7 | 26.3 | 31.3 | 25.2 | 31.4 | 26.6 | 34.6 | 22.0 | 30.1 | 29.1 |
| HLL | 40.8 | 32.81 | 36.7 | 45.9 | 37.7 | 44.6 | 39.3 | 45.2 | 37.9 | 50.3 | 33.6 | 47.5 | 45.1 |
| TRL | 31.1 | 25.41 | 24.2 | 35.4 | 28.5 | 32.1 | 28.4 | 37.5 | 29.1 | 44.2 | 24.4 | 38.1 | 37.3 |
| TNCL | 2 | 1.76 | 1.5 | 2.9 | 2.1 | 2.7 | 1.9 | 3.1 | 2.2 | 3.3 | 1.1 | 1.9 | 2.1 |
| TAL/SVL | 201.8% | 196.6% | 197.9% | 181.9% | 187.6% | 190.8% | 176.6% | 182.0% | 178.8% | 172.7% | 183.7% | 184.9% | 180.7% |
| HW/HL | 65.5% | 58.9% | 67.1% | 66.6% | 73.2% | 63.1% | 72.6% | 65.9% | 67.4% | 59.3% | 72.0% | 64.2% | 69.5% |
| HD/HL | 55.4% | 49.9% | 53.4% | 58.0% | 59.9% | 54.4% | 55.6% | 51.2% | 53.3% | 49.9% | 55.1% | 52.7% | 52.3% |
| HD/HW | 84.5% | 84.7% | 79.5% | 87.0% | 81.8% | 86.2% | 76.6% | 77.7% | 79.0% | 84.1% | 76.5% | 82.0% | 75.2% |
| SEL/HL | 38.4% | 41.9% | 39.6% | 40.5% | 41.7% | 36.4% | 41.4% | 41.7% | 41.5% | 40.1% | 41.5% | 42.6% | 41.9% |
| FLL/SVL | 48.9% | 50.6% | 45.0% | 41.2% | 47.3% | 43.3% | 42.1% | 42.5% | 43.9% | 38.5% | 44.5% | 42.8% | 41.2% |
| HLL/SVL | 71.6% | 62.0% | 70.0% | 61.6% | 67.7% | 61.7% | 65.5% | 61.2% | 62.7% | 55.9% | 68.0% | 67.5% | 63.8% |
| TRL/SVL | 54.6% | 48.0% | 46.2% | 47.5% | 51.1% | 44.5% | 47.3% | 50.8% | 48.1% | 49.1% | 49.4% | 54.1% | 52.7% |
| TNC/HL | 11.3% | 10.1% | 8.7% | 12.3% | 12.8% | 11.4% | 11.1% | 14.0% | 12.4% | 12.2% | 7.2% | 9.0% | 10.8% |
| SL | 7/7 | 7/7 | 7/8 | 7/7 | 7/7 | 9/7 | 8/8 | 7/7 | 7/6 | 6/7 | 7/8 | 8/9 | 7/8 |
| IL | 8/8 | 8/8 | 9/9 | 8/8 | 8/8 | 8/8 | 8/9 | 8/8 | 7/7 | 6/8 | 9/8 | 10/10 | 10/9 |
| NSL | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 0/0 | 1/1 | 0/0 |
| MD | 42 | 43 | 40 | 36 | 39 | 49 | 41 | 43 | 40 | 40 | 42 | 44 | 44 |
| F4S | 19/20 | 23/22 | 21/20 | 20/20 | 22/— | 20/22 | 23/23 | 19/21 | 21/20 | 21/21 | 22/22 | 23/22 | 22/— |
| T4S | 22/23 | -/22 | 21/23 | 25/22 | 28/28 | 25/25 | 25/27 | 25/22 | 22/21 | 25/22 | 25/27 | 25/27 | 28/27 |
| SOR | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 3/3 | 4/4 | 3/3 |
| PTS  | 5/5 | 3/3 | 6/6 | 1/1 | 2/4 | 3/3 | 2/2 | 3/3 | 3/3 | 4/4 | 3/4 | 2/2 | 5/5 |
| PTY  | 5/6 | 5/5 | 4/3 | 6/5 | 6/5 | 4/5 | 2/2 | 7/5 | 5/8 | 4/4 | 6/6 | 6/5 | 5/5 |
| PRS  | 9/11 | 8/6 | 6/6 | 4/5 | 8/9 | 6/8 | 7/8 | 11/10 | 10/10 | 8/9 | 7/9 | 10/13 | 10/7 |