|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table S4. Blade and haft measures. | | | |  |  |  |  |  |  |  |  |  |  |  |
| Catalog ID | Blade area | Blade area pct | Blade centroid x | Blade centroid y | Blade centroid y pct | Blade length | Blade length pct | Blade lower volume | Blade lower volume pct | Blade max thick | Blade max thick y | Blade max width | Blade max width y | Blade max width y pct |
| 274 | 474.84 | 67.72 | -0.01 | 7.91 | 60.37 | 38.79 | 66.30 | 0.38 | 32.69 | 4.20 | 17.00 | 17.15 | -4.61 | 7.95 |
| 275 | 658.06 | 73.37 | -0.19 | 7.19 | 58.14 | 45.25 | 70.28 | 0.82 | 39.80 | 5.43 | 19.25 | 19.65 | -10.19 | 2.01 |
| 276 | 639.93 | 84.13 | -0.05 | 3.74 | 50.95 | 47.88 | 82.93 | 0.91 | 44.26 | 5.53 | 17.15 | 19.05 | -15.38 | 0.93 |
| 277 | 496.50 | 61.58 | -0.07 | 10.14 | 62.17 | 39.67 | 62.97 | 0.98 | 45.09 | 8.64 | 16.80 | 17.95 | -5.33 | 0.94 |
| 280 | 604.11 | 87.95 | 0.04 | 2.51 | 48.69 | 43.74 | 87.31 | 1.01 | 49.39 | 6.53 | 17.00 | 19.40 | -14.88 | 1.47 |
| 281 | 477.75 | 68.18 | 0.01 | 7.67 | 59.98 | 38.87 | 67.70 | 0.57 | 38.83 | 5.57 | 15.80 | 16.85 | -6.36 | 4.78 |
| 282 | 508.85 | 73.35 | 0.04 | 5.98 | 56.45 | 39.12 | 71.21 | 0.90 | 48.17 | 6.82 | 16.30 | 20.10 | -8.78 | 1.11 |
| 283 | 323.12 | 61.36 | 0.07 | 6.50 | 60.12 | 27.11 | 62.76 | 0.46 | 47.47 | 4.87 | 18.25 | 20.55 | -1.77 | 5.95 |
| 284 | 185.09 | 55.20 | 0.25 | 6.43 | 67.09 | 18.89 | 56.33 | 0.22 | 45.57 | 4.39 | 13.25 | 13.65 | -0.17 | 6.64 |
| 285 | 339.88 | 65.96 | 0.26 | 6.63 | 59.99 | 30.83 | 65.46 | 0.35 | 39.52 | 5.02 | 14.00 | 16.05 | -3.28 | 6.75 |
| 286 | 488.24 | 65.12 | -0.04 | 8.12 | 60.24 | 37.35 | 65.72 | 0.78 | 48.68 | 5.87 | 17.75 | 19.15 | -6.27 | 0.98 |
| 326 | 763.97 | 71.01 | 0.33 | 10.80 | 58.21 | 62.31 | 70.35 | 1.04 | 41.63 | 6.22 | 16.20 | 19.40 | -14.21 | 0.46 |
| 327 | 652.28 | 71.63 | -0.01 | 8.02 | 59.37 | 46.36 | 68.50 | 0.95 | 38.52 | 7.05 | 18.10 | 20.00 | -10.36 | 1.04 |
| 1417 | 433.81 | 61.66 | -0.14 | 9.85 | 63.71 | 37.78 | 59.72 | 0.63 | 48.77 | 5.61 | 15.30 | 16.35 | -2.76 | 5.87 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Catalog ID | Blade upper volume | Blade upper volume pct | Blade volume | Blade volume pct | Blade width avg | Blade width avg pct | Haft area | Haft area pct | Haft centroid x | Haft centroid y | Haft centroid y pct | Haft collar mid x | Haft collar mid y | Haft collar mid y pct |
| 274 | 0.78 | 67.33 | 1.15 | 65.46 | 12.24 | 68.68 | 226.39 | 32.28 | 0.07 | -16.48 | 18.68 | 0.09 | -7.69 | 33.70 |
| 275 | 1.23 | 60.20 | 2.05 | 75.65 | 14.54 | 73.60 | 238.89 | 26.63 | 0.49 | -19.67 | 16.43 | -0.33 | -11.11 | 29.72 |
| 276 | 1.15 | 55.75 | 2.05 | 82.78 | 13.37 | 70.03 | 120.76 | 15.87 | 0.25 | -19.83 | 10.13 | 0.25 | -15.83 | 17.07 |
| 277 | 1.20 | 54.91 | 2.18 | 61.36 | 12.52 | 69.49 | 309.80 | 38.42 | 0.12 | -16.24 | 20.31 | -0.21 | -5.70 | 37.03 |
| 280 | 1.03 | 50.60 | 2.04 | 87.56 | 13.81 | 70.95 | 82.77 | 12.05 | -0.29 | -18.30 | 7.16 | 0.23 | -15.53 | 12.69 |
| 281 | 0.89 | 61.18 | 1.46 | 64.72 | 12.29 | 65.96 | 222.96 | 31.82 | -0.09 | -16.33 | 18.18 | 0.52 | -8.22 | 32.30 |
| 282 | 0.97 | 51.83 | 1.87 | 73.80 | 13.01 | 64.60 | 184.86 | 26.65 | -0.11 | -16.41 | 15.70 | 0.25 | -9.21 | 28.79 |
| 283 | 0.51 | 52.53 | 0.96 | 64.58 | 11.92 | 54.67 | 203.51 | 38.64 | -0.10 | -10.38 | 21.05 | -0.61 | -3.39 | 37.24 |
| 284 | 0.27 | 54.46 | 0.49 | 55.26 | 9.80 | 69.80 | 150.20 | 44.80 | -0.31 | -7.93 | 24.25 | 0.40 | -1.42 | 43.67 |
| 285 | 0.54 | 60.52 | 0.89 | 66.57 | 11.03 | 66.50 | 175.41 | 34.04 | -0.49 | -12.62 | 19.13 | -0.47 | -5.36 | 34.54 |
| 286 | 0.82 | 51.32 | 1.60 | 67.38 | 13.07 | 66.84 | 261.48 | 34.88 | 0.08 | -15.15 | 19.29 | 0.15 | -6.64 | 34.28 |
| 326 | 1.46 | 58.38 | 2.50 | 71.62 | 12.26 | 63.02 | 311.87 | 28.99 | -0.81 | -26.49 | 16.11 | -0.05 | -14.50 | 29.65 |
| 327 | 1.51 | 61.48 | 2.46 | 74.33 | 14.07 | 69.67 | 258.40 | 28.37 | 0.02 | -20.24 | 17.61 | 0.21 | -10.84 | 31.50 |
| 1417 | 0.66 | 51.23 | 1.29 | 61.99 | 11.48 | 68.53 | 269.70 | 38.34 | 0.22 | -15.84 | 23.10 | 0.05 | -4.97 | 40.28 |