S Table 1 The measuring data of traits in *Charybdis feriata*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | BW(g) | BH(mm) | CL | CW | ICW | 6CW | FW | PWC | SW | AW | PL | PD | PW | DL | ML | 2PML | 3PML | 4PML |
| 1 | 438 | 51.58 | 87.76 | 131.83 | 123.27 | 123.87 | 44.96 | 41.66 | 66.16 | 44.48 | 110.59 | 28.89 | 21.51 | 51.56 | 68.69 | 48.62 | 44.09 | 38.2 |
| 2 | 279.98 | 44.31 | 73.68 | 114.18 | 107.12 | 107.17 | 40.29 | 36.29 | 58.6 | 37.54 | 95.91 | 30.1 | 19.45 | 62.31 | 41.94 | 40.28 | 39.06 | 22.97 |
| 3 | 295.3 | 46.07 | 73.64 | 118.46 | 109.66 | 109.66 | 41.29 | 38.87 | 58.11 | 36.78 | 99.06 | 29.68 | 20.97 | 46.92 | 62.68 | 41.31 | 38.71 | 32.45 |
| 4 | 253.04 | 41.09 | 72.29 | 111.46 | 103.82 | 103.54 | 39.53 | 37.74 | 56.53 | 39.06 | 88 | 29.1 | 17.44 | 44.43 | 55.61 | 37.37 | 34.43 | 32.6 |
| 5 | 272.01 | 42.92 | 72.71 | 111.62 | 104.11 | 104.27 | 30.57 | 36.6 | 59.11 | 37.02 | 91.44 | 20.51 | 20.91 | 43.81 | 58.78 | 36.85 | 35.6 | 31.02 |
| 6 | 217.58 | 40.53 | 68.8 | 107.45 | 99.82 | 100.24 | 38.1 | 36 | 55.24 | 39.22 | 80.51 | 25.82 | 17 | 37.02 | 53.66 | 33.91 | 30.29 | 24.31 |
| 7 | 334.44 | 51.8 | 78.86 | 121.43 | 113.09 | 113.09 | 41.82 | 40.96 | 62.48 | 55.26 | 93.81 | 31.88 | 19.31 | 42.71 | 60.44 | 37.58 | 35.67 | 28.06 |
| 8 | 242.09 | 46.19 | 70.42 | 108.21 | 100.05 | 100.97 | 38.58 | 37.38 | 54.35 | 39.47 | 83.75 | 27.38 | 19.25 | 37.18 | 54.38 | 35.54 | 30.08 | 24.66 |
| 9 | 353.19 | 49.27 | 81.81 | 129.22 | 118.94 | 118.42 | 43.57 | 41.42 | 65.45 | 56.52 | 102.31 | 31.7 | 20.31 | 53.18 | 64.24 | 38.71 | 38.19 | 30.45 |
| 10 | 291.23 | 45.13 | 74.8 | 115.73 | 107.03 | 107.06 | 39.1 | 38.66 | 59.5 | 52.95 | 89.39 | 30.38 | 20.58 | 45.36 | 57.58 | 36.69 | 37.04 | 26.25 |
| 11 | 193 | 41.92 | 66.35 | 100.68 | 94.52 | 95.36 | 36.28 | 34.35 | 51.76 | 34.83 | 77.04 | 26.09 | 17.09 | 38.41 | 50 | 35.05 | 32.29 | 23.63 |
| 12 | 175.05 | 37.11 | 63.69 | 98.39 | 91.95 | 92.23 | 34.68 | 31.71 | 50.3 | 35.02 | 72.25 | 25.2 | 13.72 | 37.3 | 47 | 32.6 | 30.35 | 33.62 |
| 13 | 196.73 | 38.5 | 40.62 | 101.43 | 94.29 | 94.85 | 35.97 | 34.05 | 52.78 | 34.41 | 81.82 | 24.83 | 16.32 | 34.55 | 53.98 | 36.48 | 33.22 | 24.27 |
| 14 | 203.34 | 41.82 | 66.7 | 103.54 | 96.91 | 96.76 | 37.57 | 33.1 | 52.82 | 35.52 | 83.2 | 24.93 | 17.23 | 39.05 | 51.31 | 35.44 | 34.21 | 24.9 |
| 15 | 202.48 | 39.71 | 68.38 | 104.21 | 97.2 | 96.81 | 36.36 | 36.18 | 54.44 | 34.56 | 82.16 | 22.78 | 16.8 | 40.78 | 52.11 | 37.82 | 37.14 | 25.21 |
| 16 | 328.01 | 49.43 | 82.53 | 127.6 | 120.09 | 119.42 | 44 | 40.92 | 62.71 | 54.69 | 103.8 | 33 | 23.68 | 55.81 | 59.84 | 40.4 | 37.74 | 29.49 |
| 17 | 453.2 | 56.13 | 86.02 | 134 | 126.71 | 126 | 46.19 | 44.43 | 69.62 | 60.85 | 101.48 | 31.67 | 22.87 | 51.4 | 65.15 | 43.76 | 40.59 | 31.05 |
| 18 | 347.42 | 49.71 | 79.09 | 121.47 | 113.87 | 112.97 | 41.77 | 39.48 | 62.86 | 39.41 | 99.03 | 32.02 | 25.98 | 47.76 | 62.99 | 41.84 | 39.25 | 26.91 |
| 19 | 215.51 | 41.19 | 67.87 | 104.51 | 96.29 | 97.71 | 38.13 | 34 | 53.96 | 37.31 | 81.12 | 26.58 | 17.73 | 39.32 | 50.53 | 36.1 | 33.59 | 24.56 |
| 20 | 457.8 | 55.5 | 88.13 | 135.75 | 127.91 | 127.71 | 45.99 | 44.51 | 69.96 | 61.62 | 111.36 | 36.6 | 24.57 | 56.24 | 70.62 | 44.21 | 41.01 | 31.74 |
| 21 | 189.34 | 39.49 | 66.69 | 105.77 | 98.66 | 98.88 | 36.54 | 33.18 | 52.41 | 33.75 | 78.08 | 22.19 | 15.18 | 38.42 | 50.22 | 35.4 | 35.7 | 24.81 |
| 22 | 243.88 | 47.71 | 70.47 | 110 | 102.45 | 102.45 | 38 | 36.35 | 56.15 | 35.75 | 91.86 | 28.05 | 19.39 | 47.22 | 61.26 | 40.85 | 38.21 | 25.85 |
| 23 | 347.68 | 45.62 | 78.42 | 121.05 | 116.12 | 115.78 | 42.76 | 38.61 | 64 | 42 | 110.86 | 31.85 | 23.38 | 51.8 | 70.31 | 45.42 | 42.51 | 30 |
| 24 | 294.64 | 46.38 | 76.76 | 117.64 | 110.33 | 109.84 | 40.58 | 39.17 | 59.37 | 54.89 | 91.8 | 30.41 | 21 | 47.47 | 60 | 36.87 | 35.26 | 26.31 |
| 25 | 238.41 | 41.45 | 70.02 | 108.49 | 102.24 | 101.83 | 37.58 | 35.49 | 54.95 | 36.42 | 91.06 | 26.46 | 19.21 | 41.6 | 60.1 | 36.58 | 36.58 | 25.68 |
| 26 | 308.91 | 47.55 | 76.24 | 120.65 | 112.27 | 111.85 | 40.96 | 40 | 61.48 | 39.91 | 105.49 | 30.82 | 22.71 | 48.71 | 68.15 | 42.4 | 39.82 | 27.05 |
| 27 | 255.5 | 43.02 | 76.04 | 108.52 | 102.42 | 104.19 | 40.71 | 37.02 | 57.62 | 38.91 | 92.54 | 25.33 | 19.78 | 43.79 | 61.55 | 39.33 | 36.04 | 22.55 |