**Table S2.** Paddy rice dimension of three Australian wild rice taxa collected from eleven different sites near Cairns, Queensland, Australia.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Taxa | Collection site | Length (mm) | | | | Width (mm) | | | |
| Green Husk | Brown Husk | Mixed Husk | Black Husk | Green Husk | Brown Husk | Mixed Husk | Black Husk |
| Wild rice  Taxa-A | A | 9.15 ± 0.12a | 8.18 ± 0.13c | NA | 8.47 ± 0.13b | 2.35 ± 0.17a | 1.82 ± 0.15b | NA | 1.82 ± 0.14b |
| K | 7.28 ± 0.10e | 7.53 ± 0.16d | NA | 7.52 ± 0.15d | 1.83 ± 0.16b | 1.98 ± 0.17b | NA | 1.81 ± 0.15b |
| Wild rice  Taxa-B | D | 8.48 ± 0.14fg | 8.81 ± 0.17de | 8.67 ± 0.15def | 8.68 ± 0.14def | 2.38 ± 0.16a | 2.29 ± 0.16a | 2.28 ± 0.17a | 2.18 ± 0.16a |
| E | 8.60 ± 0.17ef | 8.65 ± 0.13def | 8.65 ± 0.14def | 8.34 ± 0.14g | 2.27 ± 0.19a | 2.38 ± 0.10a | 2.38 ± 0.10a | 2.22 ± 0.18a |
| G | 8.70 ± 0.14def | NA | 8.84 ± 0.12de | 8.87 ± 0.16d | 2.30 ± 0.18a | NA | 2.26 ± 0.14a | 2.18 ± 0.15a |
| H | 9.12 ± 0.14c | NA | 9.54 ± 0.13a | 9.38 ± 0.12ab | 2.38 ± 0.17a | NA | 2.37 ± 0.16a | 2.40 ± 0.14a |
| J | 9.22 ± 0.14bc | NA | 9.33 ± 0.16abc | 9.24 ± 0.15bc | 2.36 ± 0.16a | NA | 2.35 ± 0.17a | 2.39± 0.18a |
| *Oryza australiensis* | B | 6.63 ± 0.14de | 6.86 ± 0.19abc | NA | 7.04 ± 0.12a | 2.26 ± 0.18abcd | 2.46 ± 0.18a | NA | 2.27 ± 0.20abcd |
| C | 6.72 ± 0.15bcd | 6.73 ± 0.16bcd | NA | 6.67 ± 0.17gcd | 2.31 ± 0.18abc | 2.48 ± 0.15a | NA | 2.35 ± 0.15ab |
| F | 6.69 ± 0.14cd | 6.70 ± 0.15cd | NA | 6.45 ± 0.11e | 2.06 ± 0.16cd | 2.19 ± 0.14bcd | NA | 2.02 ± 0.12d |
| I | 6.94 ± 0.14ab | NA | NA | 6.74 ± 0.12bcd | 2.32 ± 0.18ab | NA | NA | 2.43 ± 0.16ab |

1 Mean ± standard deviation is calculated from triplicate of paddy rice image measurement using a SeedCount SC-5000 rice analyser. Values with different letters in the same column and row are significantly different at *p*< 0.05. NA, seed not available. **A**, Abattoir swamp environmental park; **B**, Brooklyn wildlife sanctuary, Mulligan highway); **D**, **E**, and **F**, Lakefield National Park; **C**, **G**, **H** and **I**, Peninsula developmental road; **J** and **K**, Mareeba wetlands. Grain were obtained from paddy rice with green, brown, mixed, and black colour.