

S7 Table. Detailed anatomical characters of distant wild rice species.

Species	IRGC Accession number	Leaf thickness (LT, μm)	Inter-veinal distance (IVD, μm)	Inter-veinal total mesophyll length (TML, μm)	Mesophyll cell number (MCN, count)	Mesophyll cell length (MCL, μm)	Mesophyll cell height (MCH, μm)
<i>Hygroryza aristata</i>	105457	91.98 \pm 7.66	296.24 \pm 7.6	142.01 \pm 15.31	7.33 \pm 1.15	20.37 \pm 4.78	11.15 \pm 2.07
<i>Luziola leiocarpa</i>	82043	66.08 \pm 6.5	141.85 \pm 5.92	90.21 \pm 7.78	5.38 \pm 0.52	17.24 \pm 3.97	10.06 \pm 1.26
<i>Rhynchoryza subulata</i>	100913	146.83 \pm 11.97	169.56 \pm 8.56	94.82 \pm 13.37	5.2 \pm 0.45	16.05 \pm 3.42	10.6 \pm 1.5
<i>Zizanopsis villanensis</i>	85425	189.21 \pm 4.29	234.98 \pm 7.02	119.57 \pm 36.89	5.4 \pm 0.89	21.59 \pm 3.01	15.35 \pm 2.65
<i>Chikusichloa aquatica</i>	106186	107.70 \pm 13.9	241.78 \pm 33.22	83.14 \pm 4.49	4.5 \pm 0.58	24.43 \pm 5.74	8.91 \pm 0.68
<i>Leersia tisseranti</i>	101384	75.31 \pm 6.93	161.76 \pm 15.2	109.79 \pm 14.69	6.38 \pm 0.52	17.23 \pm 3.26	11.45 \pm 1.83

N = 30

S7 Table continued.

Species	IRGC Accession number	Mesophyll cell lobing (LB _{MC} , μm)	Bundle sheath cell number (BSCN, count)	Bundle sheath cell width (BSCW, μm)	Bundle sheath cell height (BSCH, μm)	Vein width (VW, μm)	Vein height (VH, μm)
<i>Hygroryza aristata</i>	105457	1 \pm 0.1	8.14 \pm 0.38	14.66 \pm 3.57	16.86 \pm 3.71	26.33 \pm 4.61	31.42 \pm 2.65
<i>Luziola leiocarpa</i>	82043	1.17 \pm 0.13	8.13 \pm 0.35	7.90 \pm 1.28	9.37 \pm 1.62	23.31 \pm 2.63	25.21 \pm 1.65
<i>Rhynchoryza subulata</i>	100913	1.25 \pm 0.09	12.2 \pm 1.3	10.91 \pm 1.91	11.78 \pm 2.61	34.38 \pm 5.98	58.44 \pm 12.58
<i>Zizanopsis villanensis</i>	85425	1.48 \pm 0.09	12 \pm 1.41	21.78 \pm 2.89	21.27 \pm 2.5	55.19 \pm 9.17	85.76 \pm 9.5
<i>Chikusichloa aquatica</i>	106186	1.12 \pm 0.06	8.83 \pm 1.17	16.37 \pm 3.84	14.17 \pm 2.36	28.57 \pm 3.01	37.26 \pm 5.43
<i>Leersia tisseranti</i>	101384	1.38 \pm 0.13	9.29 \pm 0.49	8.64 \pm 1.85	10.05 \pm 1.37	20.49 \pm 2.55	24.86 \pm 2.47

N = 30

All the anatomical parameters are as described in Material and Methods. Traits are quantified from 3 sections per leaves and 10 leaves per species. Values are presented as the average \pm SD.

