

SUPPLEMENTARY DATA

Table S1. Effects of aluminum at different concentrations on rice growth in the 3-week (long-term) experiment.

[Al ³⁺] (μ M)	{Al ³⁺ } _b (μ M)	{Al ³⁺ } _{0^o} (μ M)	Root dry weight (mg plant ⁻¹)	Root length (cm plant ⁻¹)	Shoot dry weight (mg plant ⁻¹)	Shoot height (cm plant ⁻¹)
0	0	0	17.99±1.02 a	18.25±0.90 a	80.00±2.50 a	34.63±1.07 a
200	41.8	18.6	17.31±0.60 a	16.98±1.02 a	76.67±1.44 ab	34.50±1.51 a
500	129.5	19.2	17.13±0.79 a	14.92±0.84 b	75.00±3.82 bc	33.17±1.70 a
1000	273.1	19.1	16.58±0.61 a	14.75±0.25 b	68.33±2.89 c	31.08±1.56 b

Rice seedlings (11 days old) were grown in nutrient solution with 0, 200, 500, or 1,000 μ M Al for 3 weeks. {Al³⁺}_b, Al activity in bulk solution; {Al³⁺}_{0^o}, Al activity at cell membrane surface. These were calculated by G-C-S model.

The values of root length, shoot height and dry weight are mean \pm s.d. ($n=12$). Different letters indicate significant differences among treatments ($P < 0.05$, Tukey's test).