Table 1 Suppl. Experimental treatments. Control plants were grown in Hoagland solution, and for other treatments $CdCl_2$, EDTA, or sodium nitroprusside (SNP) in different combinations were added.

Treatment name	Treatment
CK	control
Cd	100 µM $CdCl_2$
EDTA	500 µM EDTA
SNP	100 µM SNP
Cd+EDTA	100 µM $CdCl_2$ + 500 µM EDTA
Cd+SNP	100 µM $CdCl_2$ + 100 µM SNP
EDTA+SNP	250 µM EDTA + 50 µM SNP
Cd+EDTA+SNP	100 µM $CdCl_2$ + 250 µM EDTA + 50 µM SNP

Table 2 Suppl. Growth indices, root activity, and content of photosynthetic pigments of ryegrass at different treatments. SNP - sodium nitroprusside. Means ± SEs, n = 3, different letters in the same column indicate significant differences between treatments at $P \leq 0.05$.

Treatment	Shoot height [cm]	Root length [cm]	Fresh mass [g plant^{-1}]	Dry mass [g plants^{-1}]	Root activity [µg g^{-1}(f.m.) h^{-1}]	Chlorophyll content [mg g^{-1}(f.m.)]	Carotenoid content [mg g^{-1}(f.m.)]
CK	14.76±1.09b	5.49±1.36b	0.16±0.0033b	0.04±0.0010a	28.57±0.22a	1.65±0.07b	0.22±0.01548c
Cd	10.58±0.85ef	3.98±0.59de	0.10±0.0023f	0.02±0.0003e	12.95±0.30g	1.17±0.01e	0.17±0.00956d
EDTA	11.42±1.20de	4.09±0.42cde	0.14±0.0008d	0.03±0.0015c	23.56±0.43d	1.16±0.03e	0.17±0.00907d
SNP	12.07±0.86cd	4.18±0.58cde	0.15±0.0010c	0.04±0.0010ab	26.02±0.22c	1.33±0.02d	0.22±0.03125c
Cd+EDTA	10.28±1.10f	3.70±0.70e	0.10±0.0013e	0.03±0.0008d	17.40±0.14f	1.10±0.03e	0.17±0.01256d
Cd+SNP	12.83±0.95c	4.88±0.75bc	0.14±0.0010d	0.03±0.0013c	22.14±0.30e	1.41±0.02c	0.25±0.00228b
EDTA+SNP	12.17±1.17cd	4.59±0.54cd	0.14±0.0013d	0.03±0.0010bc	27.25±0.36b	1.48±0.01c	0.22±0.01133c
Cd+EDTA+SNP	17.74±1.00a	6.35±1.15a	0.16±0.0023a	0.04±0.0008a	26.78±0.43b	1.99±0.05a	0.31±0.01342a