Supplemental TABLE S1. Effects of Ca²⁺ concentrations on sensitivity of Cd²⁺-selective microelectrodes.

	-Ca ²⁺		+Ca ²⁺							$+K^{+}+Ca^{2+}+Mg^{2+}$
Unit: mм	Cd ²⁺ (0.01, 0.05, 0.1)	0.01	0.025	0.05	0.1	0.2	0.5	1.0	2.0	K ⁺ (0.1)/Ca ²⁺ (0.05)/Mg ²⁺ (0.1)
Nernst Slope	34.0476	25.1954	26.4443	28.9053	28.4665	28.6798	27.1430	26.9611	27.0076	29.0247
	±0.5584	<u>±</u> 0.4619	±0.2704	±0.3568	±0.5725	±0.8838	±0.3648	±0.3496	±0.4301	±0.9358
Nernst Intercept	247.4408	239.5143	239.6579	241.8781	237.6448	238.7986	227.3050	221.8072	216.1608	243.1562
	±1.4602	±1.5502	±1.4003	±0.9108	±1.5195	±1.8944	±1.2770	±1.0566	±0.9820	±1.2556

 Cd^{2+} -selective microelectrodes were calibrated in Cd^{2+} solutions (0.01, 0.05, 0.1 mM) supplemented with or without 0, 0.01, 0.025, 0.05, 0.1, 0.2, 0.5, 1.0, and 2.0 mM Ca^{2+} . In addition, the Nernst slope and intercept of the Cd^{2+} electrodes was calibrated in the measuring solution containing 0.1 mM KCl, 0.1 mM $MgCl_2$, and 0.05 mM $CaCl_2$.