

Supplemental data S1: Effects of L-glutamate or L-glycine treatment doses on 24 h neo-elongated primary roots of *Brassica napus* seedlings under homogeneous feeding of nitrate (1 mM) on agarose gel (n= 12-16 seedlings). See Fig.1A to get experimental procedure used to measure 24 h old neo-elongated primary root after treatments. Data were analysed by the non parametric test of Kruskal Wallis. Then, Mood median test have been used to compare means or medians; bars sharing different letters are significantly different at $P = 0.05$ (Sokal and Rohlf, 2003).