



**Figure S5: Formation of Casparian bands and suberin lamellae stained with berberine-aniline blue and fluoro yellow, respectively, in the exodermis of rice, maize and onion roots as affected by Si supply.** Serial sections of the same root were stained with berberine-aniline blue (BAB: B,E,H,K,N,Q) or fluoro yellow 077 (FY: C,F,I,L,O,R), the range of 4 cm behind the root tip is shown for onion (A-F) and 6 cm for rice (G-L) and maize (M-R). Arrows indicate formation of CB or suberin lamellae. Bar: 25  $\mu$ m.