

Online Resource 2: Reproductive tissue *in situ* hybridization with *PnSERK2*. **a and b** Q4117 (apomictic) ovule at meiosis hybridized with the antisense *PnSERK2* probe. Strong hybridization signal was observed in the nucellus, around the megaspore mother cell, and also in part of the integuments. No hybridization signals were observed the megaspore mother cell. **c and d** Q4188 (sexual) ovule at premeiosis/meiosis hybridized with the antisense *PnSERK2* probe. Hybridization was detected in the MMC region.

Article title: Characterization and expression analysis of *SOMATIC EMBRYOGENESIS RECEPTOR KINASE (SERK)* genes in sexual and apomictic *Paspalum notatum*

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