



Appendix C *In situ* hybridization with sense probe for *CLV3* and *WUS* in early-stage flower buds in cucumber and *Arabidopsis* detected by the optimized protocol.

(a-b) *CsCLV3* sense probe, used as a control for *in situ* expression of *CsCLV3* in shoot apex **(a)** and flower buds **(b)** in cucumber. **(b)** Flower buds in early stage 2 to 3 of development.

(c-d) *CsWUS* sense probe, used as a control for *in situ* expression of *CsWUS* in shoot apex **(c)** and flower buds **(d)** in cucumber. **(d)** Flower buds in early stage 3 to 4 of development.

(e) *AtCLV3* sense probe used to monitor *in situ* expression in flower buds in *Arabidopsis*.

(f) *AtWUS* sense probe used to monitor *in situ* expression in flower buds in *Arabidopsis*.

Scale bars = 100 μ m.