

Description of Supplementary Files

File Name: Supplementary Data 1

Description: NMR data of polypoda-7,13E,17E,21-tetraene-3-beta-ol.

File Name: Supplementary Data 2

Description: Physicochemical data of polypoda-7,13E,17E,21-tetraene-3-beta-ol.

File Name: Supplementary Data 3

Description: The synthetic OsOSC12 sequence used for heterologous expression in *Pichia pastoris*.

File Name: Supplementary Movie 1

Description: The time lapse sequence showing pollen adhering onto the WT and E157 stigmas. The time elapsed between consecutive images was 2 s, and the whole period covered was 10.7 min. The resulting video is presented at a rate of ten frames per second. Scale bar, 50 μm .