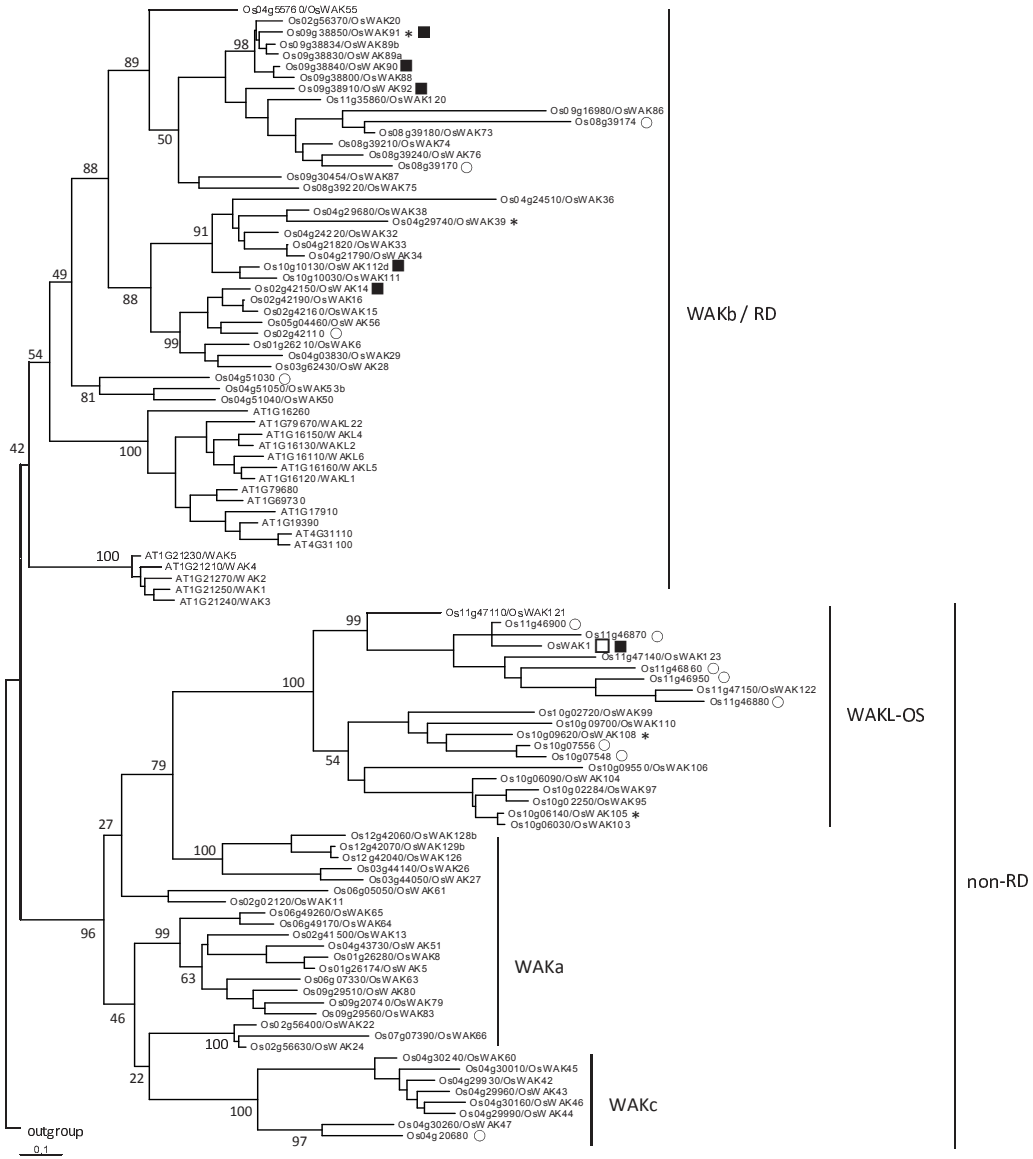Additional file 2 Delteil et al