



**Trees from truncated RY-coded matrix with *Acorus* included** This is the same analysis as in Additional file 1 except the DNA is RY-coded. For comparison, the corresponding BS values for the Amborella sister relationship in the full matrix, along each row, are: 1. (100 vs. 100, 100 vs. 100) 2. (98 vs. 100, 100 vs. 100) 3. (100 vs. 100, 100 vs. 100).