



Appendix A Sequential FISH of *A. diogoi* (a-f) and *A. chiquitana* (g-l). **a** and **g**, DAPI staining (gray white); **b** and **h**, blue, DAPI staining ; **c** and **i**, green, 5S rDNA labeled with biotin-16-dUTP and detected with fluorescein anti-biotin; **d** and **j**, red, 45S rDNA labeled with digoxigenin-11-dUTP and detected with anti-digoxigenin-rhodamine; **e** and **k**, green, (TTTAGGG)<sub>n</sub> labeled with biotin-16-dUTP and detected with fluorescein anti-biotin; **f** and **l**, merged of **b** to **e** and **g** to **k**, white (the original green signals of 5S rDNA were converted to pseudo color white), 5S rDNA; red, 45S rDNA; green, telomeric repeats (TTTAGGG)<sub>n</sub>.