



Appendix C Sequential FISH of *A. duranensis* (a-f) and *A. ipaënsis* (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)_n labeled with biotin-16-dUTP and detected with fluorescein anti-biotin; **f and I**, 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)_n.