Appendix D  Sequential FISH of *A. hoehnei* (a-f) and cultivated peanut Z5297 (g-m). *a* and *g*. 
gray white, DAPI staining; b and h, blue, DAPI staining; c and l, 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; l, red, total genomic DNA probe of A. ipaënsis labeled with digoxigenin-11-dUTP and detected with anti-digoxigenin-rhodamine; f and m, 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; fuchsia, GISH with total genomic DNA of A. ipaënsis (the original red signals of total genomic DNA converted to fuchsia pseudo color).