



**Supplementary Figure 13** a. Triangular dot plot of DNA sequence identities within major rhesus ampliconic region. The region represented corresponds to the first 1.07 Mb of the middle contig (Supplementary Figure 1). Each dot represents 100% identity within a 200-bp window. Direct repeats appear as horizontal lines and palindromes as vertical lines that nearly intersect the baseline. Immediately below the plot is a schematic depiction of the organization of palindromes. Positions of genes are shown below palindromes; “P” after gene name indicates pseudogene. b. Dot plot comparisons of same 1.07 Mb region of rhesus sequence from part a to orthologous palindromes P4 and P5 in human. Human sequence was masked with RepeatMasker prior to analyses. Each dot represents 100% identity within a 20-bp window. Gray shading indicates regions of homology between rhesus and human palindromes, indicative of the shared ancestry of these structures.