



Supplementary Figure S2 Median-joining network of the 17 *p53* haplotypes found in *M. lusitanicus* and *M. duodecimcostatus* when the segment of extra repeat motifs (10bp) in intron 6 is removed from the aligned sequences. Haplotype from *M. rossiaemeridionalis* was used as outgroup. Numbers of circles correspond to haplotypes as in Figure 1c. Haplotypes 14', 17' and 18' are similar to respective haplotypes 14, 17 and 18 without the extra segment in intron 6. Areas of circles are proportional to haplotype frequency. Each connecting line corresponds to one substitution event except between haplotype 5 and haplotype from *M. rossiaemeridionalis* (18 mutational steps). *Substitution event corresponding to a non-synonymous mutation in P53 protein. Note the increased frequencies in haplotypes 5, 6 and 21 (compare with Figure 1c).