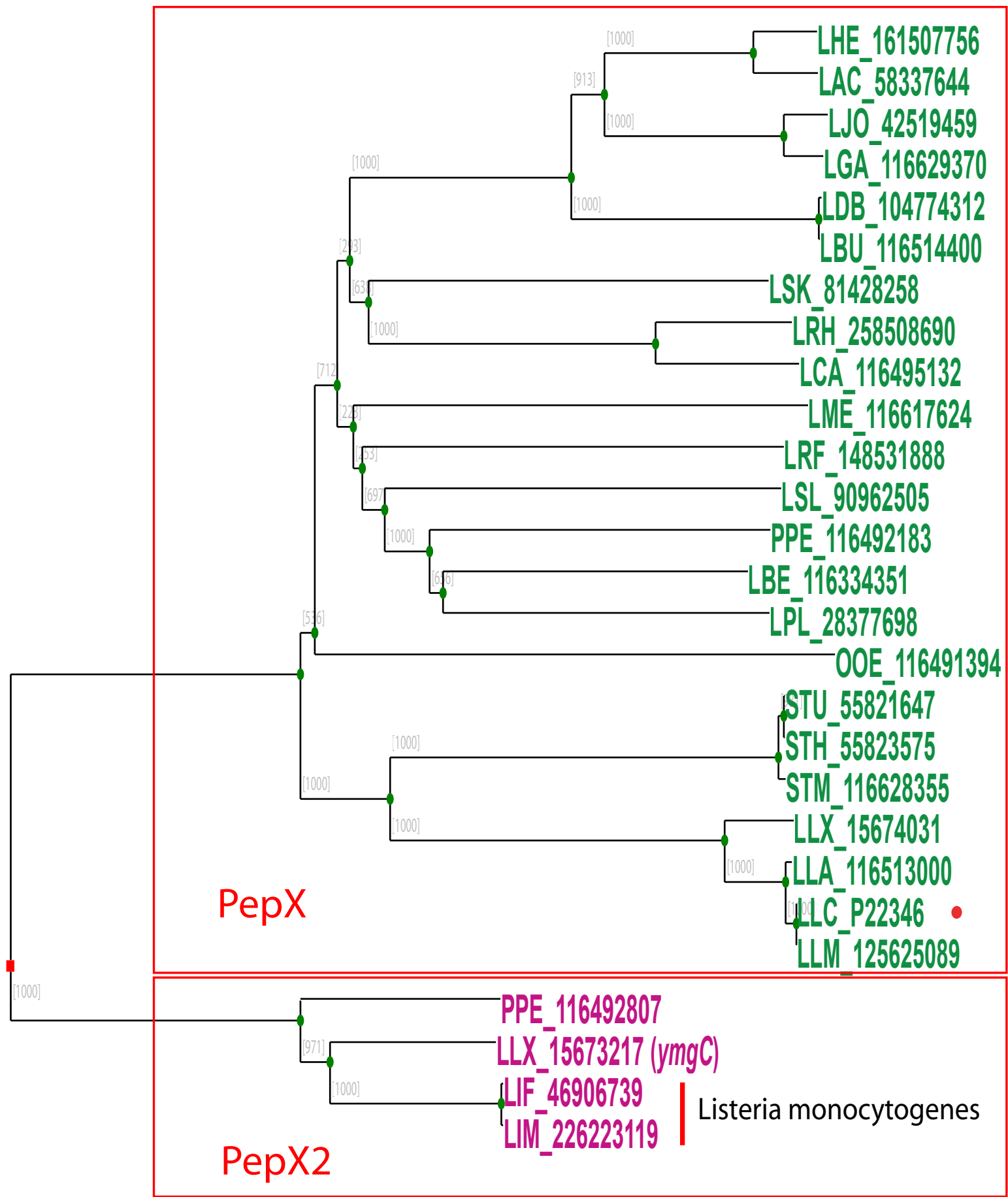


PepX superfamily (S15)



Additional File 5. PepX superfamily tree. For each gene, the organism abbreviations are followed by GI codes. Homologs from *Listeria monocytogenes* are highlighted. Experimentally verified PepX from *L. lactis* is indicated by a red dot. Green circles represent the speciation events, while red squares represent duplication events.