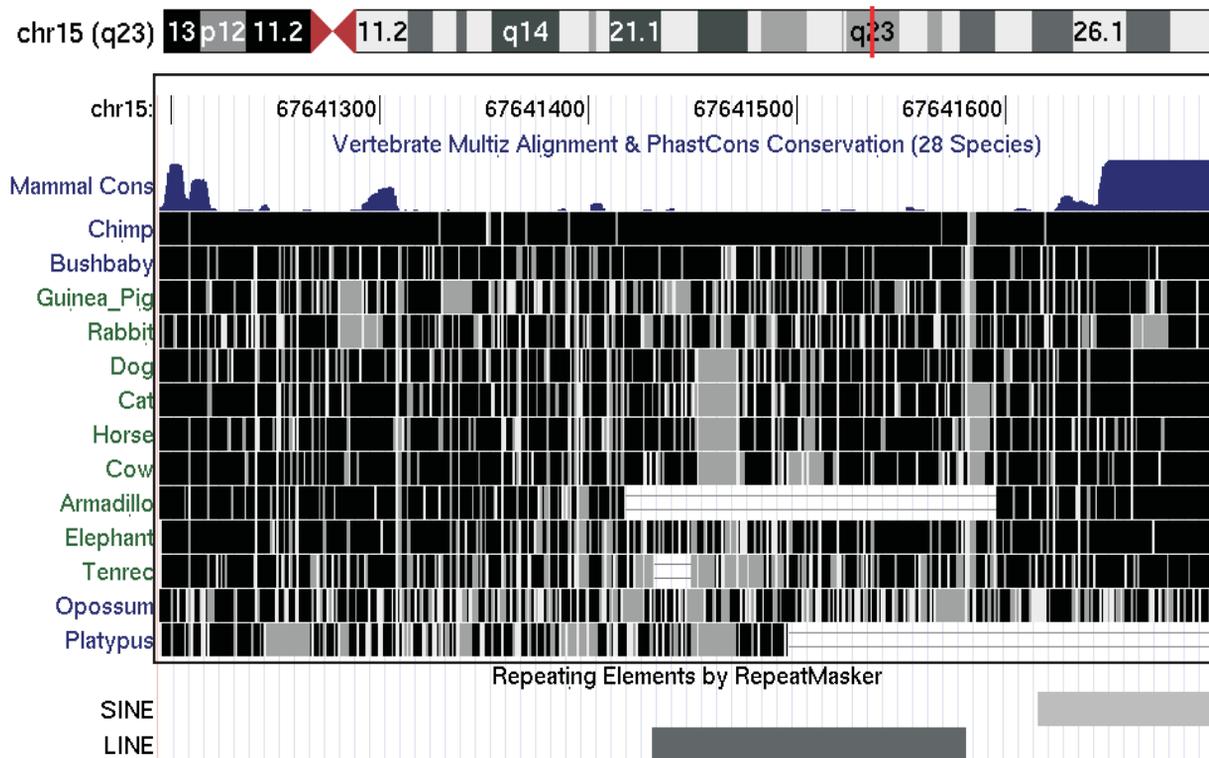


## Supplemental Fig. S2



Previously described Epitheria-marker (Kriegs et al. 2006) that was not detected by screening the MAF-alignments. The framed region was not included in the MAF-alignment, probably due to low sequence similarity. The locus was previously criticized because the L1MB5 element was thought to be present also in opossum (Murphy et al. 2007). However, L1MB5 elements are not present in marsupials or monotremes. The apparent presence in opossum and partial presence in platypus is due to a missalignment in the 28-species alignment. For alignments see the UCSC Genome Browser:

(<http://genome.brc.mcw.edu/cgi-bin/hgTracks?position=chr15:67641195-67641700>).