

**Table S2. Influence of divergence time on species identification success per method compared**

<b>Species divergence time</b>	<b>NJ (liberal)</b>	<b>NJ (strict)</b>	<b>PAR (liberal)</b>	<b>PAR (strict)</b>	<b>NN</b>	<b>BLAST</b>	<b>DNA-BAR</b>	<b>BLOG</b>
old	99.2	99.1	96.9	96.6	99.4	99.4	99.5	98.0
recent	84.5	81.7	77.5	74.6	85.7	85.6	86.1	86.2

Species identification success scores (%; N=300) based on query data sets for species that were either recently diverged (divergence times between 98 and 76,621 generations) or old (divergence times between 76,621 and 553,116 generations). NJ = neighbor joining, PAR = parsimony, NN = nearest neighbor.