Figure S1

The taxonomical trees were generated in PHYLIP format with the NCBI XML tree tool (http://ncbi.nlm.nih.gov/tools/cobalt/cobalt.cgi). PHYLIP files were concatenated and rendered using Treedyn. Each taxonomic lineage is colour-coded. Accession numbers for the sequence of each species (GenBank gi and/or Uniprot) are given on the right-hand side of each tree.

Tree 1. Taxonomic tree of the phylogenetic distribution of muskelin in eukaryotes.
Tree 2. Taxonomic tree of the phylogenetic distribution of Rmnd5 in eukaryotes.
Tree 3. Taxonomic tree of the phylogenetic distribution of MAEA in eukaryotes.
Tree 4. Taxonomic tree of the phylogenetic distribution of TWA1 in eukaryotes.
Tree 5. Taxonomic tree of the phylogenetic distribution of RanBPM in eukaryotes.
Tree 6. Taxonomic tree of the phylogenetic distribution of WDR26 in eukaryotes.
Tree 7. Taxonomic tree of the phylogenetic distribution of ArmC8 in eukaryotes.
Tree 8. Taxonomic tree of the phylogenetic distribution of c17orf39 in eukaryotes.