

Supplemental Table S1: Cross-species validation of remotely conserved domains

Primary Species	Validation Species 1	Validation Species 2	Validation Species 3
<i>Homo sapiens</i>	<i>Canis l. familiaris</i>	<i>Mus musculus</i>	<i>Gallus gallus</i>
<i>Mus musculus</i>	<i>Rattus norvegicus</i>	<i>Homo sapiens</i>	<i>Gallus gallus</i>
<i>Danio rerio</i>	<i>Takifug rubripes</i>	<i>Tetraodon nigroviridis</i>	
<i>Drosophila melanogaster</i>	<i>Apis mellifera</i>	<i>Tribolium castaneum</i>	<i>Anopheles gambiae</i>
<i>Caenorhabditis elegans</i>	<i>Caenorhabditis briggsae</i>		
<i>Dictyostelium discoideum</i>			
<i>Schizosaccharomyces pombe</i>			
<i>Saccharomyces cerevisiae</i>	<i>Kluyveromyces lactis</i>	<i>Ashbya gossypii</i>	<i>Candida albicans</i>