

Figure 1 displays the amino acid sequence alignment of the protein sequences for various species, including Pig, Cow, Horse, Dog, Human, Rhesus, Mouse, Rat, Opossum, Zebra finch, Zebrafish, and Tetraodon. The alignment is presented in a grid format, with the species names listed on the left and the corresponding amino acid sequences aligned horizontally. The sequences are color-coded to highlight conserved regions and variations. The alignment is divided into four segments, each spanning 100 amino acids, with positions 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, and 400 indicated at the top. The sequences are aligned to show conserved regions and variations across the species.

B

Pig	<i>Sus scrofa</i>		
Cow	<i>Bos taurus</i>	XP_607139	89.0%
Horse	<i>Equus caballus</i>	XP_001490454	90.1%
Dog	<i>Canis lupus familiaris</i>	XP_547904	86.8%
Human	<i>Homo sapiens</i>	NP_060698	88.6%
Rhesus	<i>Macaca mulatta</i>	XP_001093846	88.4%
Mouse	<i>Mus musculus</i>	NP_001028948	74.5%
Rat	<i>Rattus norvegicus</i>	XP_001059118	74.5%
Opossum	<i>Monodelphis domestica</i>	XP_001375329	63.7%
Zebra finch	<i>Taeniopygia guttata</i>	XP_002199939	56.9%
Zebrafish	<i>Danio rerio</i>	NP_001070608	45.7%
Tetraodon	<i>Tetraodon nigroviridis</i>	CAG01823	45.3%

C

