

AAA-> <u>ACG</u>	372 Lys->Thr	78				1		1	1
AAA-> <u>AAC</u>	372 Lys->Asn	94		1	1				
AAA-> <u>ATA</u>	372 Lys->Ile	102			1				
AAA-> <u>GCA</u>	372 Lys->Ala	106							1

Sites identified in the Bayes Empirical Bayes (BEB) analysis with a probability higher than 65% of being under $\omega > 1$, which indicates positive selection. + Positively selected sites ($p > 95\%$); bold text indicates positively selected sites ($p > 99\%$). AVPR1a regions: N-terminal= Amino-terminus; and ECL 3 = Extracellular 3. Zero (0) indicates the amino acid present in the *Homo sapiens* reference sequence, whereas 1 indicates a variant amino acid.

The nature of the modification does not represent an ancestry and descendant relationship. Grantham scores are predicted as conservative (0–50), moderately conservative (51–100), moderately radical (101–150), or radical (>151). Subscripted letters indicate the predicted presence of specific Eukaryotic Linear Motifs (as depicted using the code shown in Table S11). Scientific names of the species can be found in Table S1.