Signatures of positive selection in *LY96* gene in vertebrates

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*J. Biosci.* 38(5), December 2013, 899–904, © Indian Academy of Sciences

**Supplementary Material**

**Supplementary figure 1.** The Ka/Ks ratios of exon1 of *LY96* between human and other species. The Y axis represents Ka/Ks ratio and the X axis represents different species. In some cases, zero synonymous substitutions lead to a Ka/Ks ratio of infinity (N.A.).

**Supplementary figure 2.** The Ka/Ks ratios of exon2 of *LY96* between human and other species. The Y axis represents Ka/Ks ratio and the X axis represents different species. In some cases, zero synonymous substitutions lead to a Ka/Ks ratio of infinity (N.A.).
Supplementary figure 3. The Ka/Ks ratios of exon3 of LY96 between human and other species. The Y axis represents Ka/Ks ratio and the X axis represents different species. In some cases, zero synonymous substitutions lead to a Ka/Ks ratio of infinity (N.A.).

Supplementary figure 4. The Ka/Ks ratios of exon5 of LY96 between human and other species. The Y axis represents Ka/Ks ratio and the X axis represents different species. In some cases, zero synonymous substitutions lead to a Ka/Ks ratio of infinity (N.A.).

Supplementary figure 5. The predicted protein domain of LY96 gene using InterProScan.