

Helix 2a

Helix 2d

Linker

Structure of *P. marinus* and *L. fluviatilis* COE-B transcripts at the level of the H2d coding region. The alignment is restricted to the sequence covering the linker, H2d and N-terminal part of H2a of lamprey COE-B proteins. The upper line shows *PmCOE-B* mRNA sequence, as predicted from the analysis of *P. marinus* genomic scaffold 569. Arrowheads indicate the positions of introns. The lower lines show partial *L. fluviatilis* COE-B EST sequences (A13YL15 and A26YP16), obtained in a large-scale EST sequencing project currently in progress. The deduced amino acid sequence is identical in both species and given below the alignment, using the same colour code is as in Fig. 2C. The two *L. fluviatilis* ESTs differ by the presence of Helix 2d coding region, thus providing evidence for alternative splicing in the lamprey.