Zebrafish complement factor H and its related genes: identification, evolution and expression
Functional & Integrative Genomics
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Supplementary Fig. S3 Phylogenic analysis of zebrafish (Danio rerio) CFH and CFHL1-4 in comparison with sand bass (Paralabrax nebulifer) and human (Homo sapiens) plasma complement regulator proteins. The phylogenetic tree was drawn by neighbor-joining method within the package PHYLIP 3.6b (programs SEQBOOT, PROTDIST, NEIGHBOR and CONSENSE) and phylogenetic distance was calculated from Jones-Taylor-Thornton (JTT) matrix. The numbers refer to bootstrap values 1000 replicates. Two clades were obtained with this analysis and named group 1 and 2. The sequences are (species name, accession number) z-CFH (Danio rerio, HM149232), z-CFHL1 (Danio rerio, HM149233), z-CFHL2 (Danio rerio, HM149234), z-CFHL3 (Danio rerio, HM149235), z-CFHL4 (Danio rerio, HM149236), s-SBP1 (Paralabrax nebulifer, AAA92556), s-SBCFR-1 (Paralabrax nebulifer, CAA67355), h-CFH (Homo sapiens, NP_000177), h-CFHR1 (Homo sapiens, NP_002104), h-CFHR2 (Homo sapiens, NP_005657), h-CFHR3 (Homo sapiens, NP_066303), h-CFHR4 (Homo sapiens, NP_006675), h-CFHR5 (Homo sapiens, NP_110414), h-FHL-1 (Homo sapiens, NP_001014975), h-F13B (Homo sapiens, NP_001985), h-CR1 (Homo sapiens, NP_000642), h-CRIL (Homo sapiens, NP_783641), h-CR2 (Homo sapiens, NP_00106659), h-CD46 (Homo sapiens, NP_002380), h-CD55 (Homo sapiens, NP_001108224), h-C4bp (Homo sapiens, NP_000706)