

# **DYSTROPHIN GENE STRUCTURE AND SEQUENCE COMPARISON BETWEEN HUMAN AND FUGU FISH**

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Dystrophin gene has been attracting enormous research for many years because of its clinical impact and exceptional gene structure. We update the human dystrophin gene structure and construct its counterpart in fugu fish. Comparing this giant human gene with its counterpart in a highly compact fugu-fish genome provides insight about this gene's organization in different species and evolution impact. The highly conserved structure of this gene indicates its biological importance. We also demonstrate the efficiency of computational approach in genomic research.