

Supplemental Dataset: mRNA and protein sequences of zebrafish RNase T2 genes

RNase Drel short mRNA

>RNase_Drela

GATATCACAGACTCTCAGAACCCACTGATCAGCATGACCTACAATAAACACATTCTCTGG
GCCTTTACCGCTGCTCTGGCCACAGGTTGGGTCCTTAGTAATGATGAAGGATGCTATTAT
GGGACTGTCATGAAGCACTCATGCAACTGGACTTGTATGCTGCTCACTCTTCAATGGCCT
GGAAGTTTCTGTATAGGTCTTACTAATAAAAACGATTTGCAAATACCCTGACTATTCAA
AACTGGACCATCCATGGCCTATGGCCGATGCATACAGGTCCTGCTGTAAGTGTGGCCA
ATATTTTCATTCCACCTTCAGGAAATCGAGCCAGAACTCACTCAGCTGTGGCCATCTTTA
ATAAAAGGAAAGCATTCTTCAACTTTTGGAGGGAGGAATGGATTAAACACGGGACGTGT
GCTGGCTGTGACGGGGCCATGGGTTCCACCGCTTCTTTACTTCCAGGCTGCAGTCAAGCTT
CGAAAACCTCTTTGACATTAATAGCGTCTTGGAAAGCTCTGGAATCAAAGCCTCATGTGAG
GTGTCCTATAAGTATGACGACATAAGCAAGGCCCTGACCTCACTGCTGGGAGACAACCTT
GATTTGCAATGTGTGACTGACAGTAAGGGTCGTGAAGCATGGATCCAGCTGAAGATCCAT
CTTTTCGAGGAACCAAACCATTTGGATGCCCCACAGAGAAGCAAGACGAAGCATTCTATAAT
TTAGCGTGGTATAAAAGCCCTGGACATCCTTGTCCGAAGAACACCACCATCTTTTTTGT
CCAATTAACATATGACAATCCTCATGAGCCATGT

RNase Drel protein encoded by short mRNA

>RNase_Drela

MTYNKHILWAFTAALATGWVLSNDEGCYYGTVMKHSCNWTCLLLTLQWPGSFCIGLTNKT
ICKIPLTIQNWTIHGLWPMHTGHCCNCWPIFHSHLQEIPELTQLWPSLIKHKHFFNFWR
EEWIKHGTGAGCDGAMGSPLLYFQAAVKLRKLFIDINSVLESSGIKASCEVSYKYDDISKA
LTSLLGDNFDLQCVTDSKGREAWIQLKIHLSRNQTIGCPTEKQDEAFYNLAWYKSPGHPC
PKNTTIFVVPINYNPHEPC

RNase Drel long mRNA

>RNase_Drelb

GATATCACAGACTCTCAGAACAGACGGATCAGCATGACCTACAGTAAGAATCTACCTGAA
TAGCTATATAACCTCTGTTTAAATGCATATTTACTGTAACAATCTGTATTGTTTTAGATA
AACACATTCTCTGGGCCTTTACCGCTGCTCTGGCCACAGGCTGGGTCCTTAGTAATGATG
AAGGATGCTATTATGGGACTGTCATGAAGCACTCATGCAACTGGACTTGTATGCTGCTCA
CTCTTCAATGGCCTGGAAGTTTCTGTATAGGTCTTACTAATAAAAACGATTTGCAAATAC
CACTGACTATTCAAACCTGGACCATCCATGGCCTATGGCCGATGCATACAGGTCCTGCT
GTAAGTGTGGCCAATATTTTCATTCCACCTTCAGGAAATCGAGCCAGAACTCACTCAGC
TGTGGCCATCTTTAATAAAAAGGAAAGCATTCTTCAACTTTTGGAGGGAGGAATGGATTA
AACACGGGACGTGTGCTGGCTGTGACGGGGCCATGGGTTCCACCGCTTCTTTACTTCCAGG
CTGCAGTCAAGCTTCGAAAACCTCTTTGACATTAATAGCGTCTTGGAAAGCTCTGGAATCA
AAGCCTCATGTGAGGTGTCCTATAAGTATGACGACATAAGCAAGGCCCTGACCTCACTGC
TGGGAGACAACCTTTGATTTGCAATGTGTGACTGACAGTAAGGGTCGTGAAGCATGGATCC
AGCTGAAGATCCATCTTTTCGAGGAACCAAACCATTTGGATGCCCCACAGAGAAGCAAGACG
AAGCATTCTATAATTTAGCGCGTATAAAAGCCCTGGACATCCTTGTCCGAAGAACACCA
CCATCTTTTTTGTCCCAATTAACATATGACAATCCTCATGAGCCATGTAAC

RNase Drel protein encoded by long mRNA

>RNase_Drelb

MKHCNWTMCLLTLQWPGSFCIGLTNKTICKIPLTIQNWTIHGLWPMHTGHCCNCWPIFH
SHLQEIEPELTQLWPSLIKGHFFNFWRREEWIKHGTGAGCDGAMGSPLLYFQAQAVKLRKL
FDINSVLESSGIKASCEVSYKYDDISKALTSLLGDNFDLQCVTDSKGREAWIQLKIHLSR
NQTIGCPTEKQDEAFYNLAAYKSPGHPCPKNTTIFVPIYDNPHEPCN

RNase Dre2 mRNA

>RNase_Dre2

ACAGGCTGTTTGTACTGACAGGAAAGGAAGTGGCTTTAAAGTGACTCAACCGCACATCA
TTTTTTTAAAGAAAGTCTGGGCAGATCTACTTCAGTCAGAGTTATACTAATAGGACGAAA
GGAGAACTGTAACGTTATGTGAATTGGAGCGGCACCTTCAGACAATAACAGATTAAGTGT
TTACTCTACCTGGAAACATGAGATTCATTGCATTTGCTGTCATCTTTAGTGCTGTATATC
TTTGCTCATCAGCCTTTACCCATCCTCGGGGAGAATGGACAAAACCTTATACTGACCCAGC
ATTGGCCACAGACATTTTGCAAAATGGAACACTGCAAAACAGATTTTCAGCTATTGGACTC
TGCATGGATTATGGCCCAACACTGGTGTAAAGGTGCAACACATCTTGGCATTTTAATGCCA
GTTTGATTGAGGACATACTACCAGAAATGGAGAAATTCTGGCCAGATCTGCTAGAACCAT
CTTCCCCAAAATTTTGGAATTATGAATGGACGAAACACGGGACCTGTGCTGCAAAATCAG
AGTCTTTAAACAGTGAACATAAGTACTTTGGCAAAGCTCTCGAACTCTACCACAAGTTTG
ACCTTAACAGTGTGTTTGTGGAAGAATCAAATTGTGCCCTCTGAGAAGCATTACACGCTGG
AGGATGTGGAGGAAGCCATTACAAGTGCCTACGGAGTAAAGCCCAAGATCCAGTGTGTCC
ACCCAGGACAGGGAGGCCAGGTTCAAATTTGGGCCAAATAGAGATCTGTGTTGACAGGG
ATTTCCAACACTGATGGGTTGTGAAAAGTCCAGCGAAGACACCTGGAGCAATGACCTCCCCA
CAGTGCCTGTGAGTGGCCAGTCAGGACTCAGCGTGTGTGATCACTCCATGCCAGTCTATT
ACCCACCGGTGCAAGCG

RNase Dre2 protein

>RNase_Dre2

MRFIAFAVIFSAVYLCSSAFTHPRGEWTKLILTQHWPQTFCKMEHCKTDFSYWTLHGLWP
NTGVRCNTSWHFNASLIEDILPEMEKFWPDLLPSSPKFWNYEWTKHGTCAAKSESLNSE
HKYFGKALELYHKFDLNSVLLKNQIVPSEKHYTELVVEAITSAYGVKPKIQCVHPGQGG
QVQILGQIEICVDRDFQLMGCEKSSSEDTWSNDLPTVPVSGQSGLSVCDHSMPVYYPVQA