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| --- | --- | --- | --- | --- |
| Common Name | Organism Name | Assembly ID | Gene | Accession No. |
| Elephant shark | *Callorhinchus milii* | Callorhinchus\_milii-6.1.3 | Smad3 | XM\_007910032.1 |
| frog | *Xenopus tropicalis* | Xtropicalis\_v7 | Smad3 | NM\_001008436.1 |
| Anole lizard | *Anolis carolinensis* | AnoCar2.0 | Smad3 | ENSACAT00000009994 |
| Spotted gar | *Lepisosteus oculatus* | LepOcu1 | Smad1  Smad2  Smad3  Smad4  Smad5  Smad6  Smad7  Smad8 | ENSLOCT00000010824  ENSLOCT00000015308  ENSLOCT00000017172  ENSLOCT00000015878  ENSLOCT00000014175  ENSLOCT00000017160  XM\_006627130.2  ENSLOCT00000010329 |
| medaka | *Oryzias latipes* | ASM31367v1 | Smad1 | XM\_004065930.2 |
| Smad2a  Smad2b  Smad3a  Smad3b  Smad4a  Smad4b  Smad4c  Smad5  Smad6a  Smad6b  Smad7  Smad8 | XM\_004074866.2  XM\_004072760.2  XM\_00406688.5  XM\_004069611.2  XM\_004072242.2  XM\_004074773.2  XM\_004085554.2  XM\_004073559.2  XM\_011488221.1  XM\_004069613.2  XM\_004074708.2  XM\_004076201.2 |
| Amazon molly | *Poecilia formosa* | PoeFor\_5.12 | Smad3a | ENSPFOT00000006410 |
| Smad3b | ENSPFOT00000008837 |
| gubby | *Poecilia reticulata* | Guppy\_female\_1.0+MT | Smad3a | XM\_008404627.1 |
| Smad3b | XM\_008412197.1 |
| platyfish | *Xiphophorus maculatus* | Xipmac4.4.2 | Smad3a | ENSXMAT00000002391 |
| Smad3b | ENSXMAT00000003576 |
| bicolor damselfish | *Stegastes partitus* | Stegastes\_partitus-1.0.2 | Smad3a | XM\_008276051 |
| Smad3b | XM\_008276844.1 |
| Nile tilapia | *Oreochromis niloticus* | Orenil1.1 | Smad1 | XM\_003449670.3 |
| Smad2a  Smad2b  Smad3a  Smad3b  Smad4a  Smad4b  Smad4c  Smad4d  Smad5  Smad6a  Smad6b  Smad7  Smad8 | XM\_003444367.3  XM\_003448590.3  XM\_003456752.3  XM\_003440450  XM\_003446059.3  XM\_003453862.3  XM\_013265612.1  XM\_013277587.1  XM\_003451806.3  XM\_005461566.2  XM\_003440449.3  XM\_003451503.3  XM\_003458254.3 |
| torafugu | *Takifugu rubripes* | FUGU5 | Smad3a | XM\_003969638.2 |
| Smad3b | XM\_003967452.2 |
| Tongue sole | *Cynoglossus semilaevis* | Cse\_v1.0 | Smad3a | XM\_008310506.1 |
| Smad3b | XM\_008312103.1 |
| human | *Homo sapiens* | GRCh38 | Smad1  Smad2  Smad3 | ENST00000394092  ENST00000262160  ENST00000439724 |
|  |  |  | Smad4  Smad5  Smad6  Smad7  Smad8 | ENST00000398417  ENST00000545279  ENST00000288840  ENST00000262158  ENST00000399275 |
| mouse | *Mus musculus* | GRCm38.p4 | Smad1  Smad2  Smad3  Smad4  Smad5  Smad6  Smad7  Smad8 | ENSMUST00000066091  ENSMUST00000168423  ENSMUST00000034973  ENSMUST00000114939  ENSMUST00000069557  ENSMUST00000041029  ENSMUST00000026999  ENSMUST00000029371 |
| Chicken | *Gallus gallus* | Galgal5 | Smad1  Smad2  Smad3  Smad4  Smad5  Smad6  Smad7  Smad8 | XM\_015276130.1  NM\_204561.1  NM\_204475.1  XM\_015298563.1  XM\_015293966.1  NM\_204248.1  XM\_427238.5  XM\_015277641.1 |
| Japanese flounder | *Paralichthys olivaceus* | unpublished | Smad1 |  |
| Smad2a  Smad2b  Smad3a  Smad3b  Smad4a  Smad4b  Smad4c  Smad4d  Smad5  Smad6a  Smad6b  Smad7  Smad8 |  |