

Additional file 1

Gene Symbol	Description	Craniofacial Expression in Fish	Vertebrate Skeletal Formation	Response to AHR activation	References
<i>Apaf1</i>	Apoptotic Peptidase Activating Factor 1	?	Yes	Repression	[1–3]
<i>Cfl1</i>	Cofilin 1 (Non-Muscle)	Yes	Yes	Induction	[4–6]
<i>Cldn4</i>	Claudin 4	Yes	Yes	Induction	[7–9]
<i>Cox2</i>	Cyclooxygenase 2/ Prostaglandin-Endoperoxide Synthase 2 (PTGS2)	Yes	Yes	Induction	[10–12]
<i>Cyp1a1</i>	Cytochrome P450, Family 1, Subfamily A, Polypeptide 1	Yes	Yes	Induction	[7, 13–15]
<i>Cyp1b1</i>	Cytochrome P450, Family 1, Subfamily B, Polypeptide 1	Yes	?	Induction	[7, 16]
<i>Foxq1</i>	Forkhead Box Q1/ Hepatocyte Nuclear Factor 3 Forkhead Homolog 1 (HFH1)	Yes	?	Induction	[7]
<i>Jun</i>	Jun Proto-Oncogene/ Activator Protein 1 (AP1)	Yes	Yes	Induction	[17–19]
<i>Jup</i>	Junction Plakoglobin/ Desmoplakin-3	Yes	?	Induction/ Repression	[17, 20]
<i>Mvp</i>	Major Vault Protein	Yes	?	Induction	[21, 22]
<i>Scin</i>	Scinderin/ Adseverin	Yes	Yes	Induction	[23–26]
<i>Sult6b1</i>	Sulfotransferase Family, Cytosolic, 6B, Member 1	Yes	?	Induction	[7, 22]

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