

**Table S1. Species database information for TGFβ family members analyzed in Fig 1A and Fig 1B.**

<b>Vertebrate</b>						
	<i>Danio rerio</i>	<i>Xenopus laevis</i>	<i>Gallus gallus</i>	<i>Mus musculus</i>	<i>Homo sapiens</i>	
AMH				NP_031471	NP_000470	
GDF1				NP_032133	NP_001483	
GDF3				NP_032134	NP_065685	
GDF11				NP_034402	NP_005802	
Inhibin-alpha	NP_001038669	NP_001106341/ NP_001106349	NP_001026428	NP_034694	NP_002182	
Inhibin-beta	A NP_001018166/ 56790252	-	NP_990727	NP_032406	NP_002183	
	B NP_571143	NP_001084055	NP_990537	NP_032407	NP_002184	
	C -	-	-	NP_034695	NP_005529	
	D XP_700865	NP_001079333	-	-	-	
	E -	-	-	NP_032408	NP_113667	
Lefty				NP_034224/ NP_796073	NP_003231/ NP_066277	
Myostatin				NP_034964	NP_005250	
Nodal				NP_038639	NP_060525	
TGF-beta	1			NP_035707	NP_000651	
	2			NP_033393	NP_003229/ NP_001129071	
	3			NP_033394	NP_003230	
<b>Insects</b>						
	Hymenoptera		Coleoptera	Diptera		
	<i>Nasonia vitripennis</i>	<i>Apis mellifera</i>	<i>Tribolium castaneum</i>	<i>Anopheles gambiae</i>	<i>Aedes aegypti</i>	<i>Culex quinquefasciatus</i>
Activin	XP_001602284	XP_001123044	XP_966908			
Activin-like protein		XP_001122210	XP_970355			
Maverick	XP_001606148	XP_001122118		XP_320452	XP_001656215	XP_001870685
Myoglianin						
Myostatin	XP_001602255		XP_966819	XP_309077	XP_001656630	XP_001842764
<b>Drosophila</b>						
	<i>ananassae</i>	<i>erecta</i>	<i>grimshawi</i>	<i>melanogaster</i>	<i>mojavensis</i>	<i>persimilis</i>
Activin	XP_001967557	XP_001982690	XP_001996489	NP_651942	XP_002011430	-
Activin-like protein	XP_001961464	XP_001968468	XP_001993123	NP_523461	XP_002002273	XP_002028363
Maverick	XP_001953456	XP_001982717	-	NP_524626/ NP_001014690	XP_002011465	XP_002027069
Myoglianin	XP_001966254	XP_001982711	XP_001996544	NP_524627	XP_002011400	XP_002027072
	<i>pseudoobscura</i>	<i>sechellia</i>	<i>simulans</i>	<i>viritis</i>	<i>willistoni</i>	<i>yakuba</i>
Activin	XP_001352350	XP_002044322	-	XP_002059698	XP_002072630	XP_002099638
Activin-like protein	XP_002133178	XP_002037633	XP_002077940	XP_002057795	XP_002066964	XP_002087729
Maverick	XP_001352269	XP_002043687	-	XP_002059723	-	XP_002099611
Myoglianin	XP_001352370	XP_002043694	-	XP_002059743	XP_002072620	XP_002099617