

Table S2. Expression values for genes known to function during limb development, or family members of signal transduction pathways known to contribute to limb patterning. For each time point, raw expression values for forelimb (FL) and whole embryo (W) for each available embryonic day (E) are given along with the log2FC and adjusted p-value. Log2FC values >1 corresponding to >2 fold up-regulation (grey highlighted genes), log2FC values <-1 correspond to >2 fold down-regulation (green highlighted genes). Genes highlighted in grey are upregulated in at least one developmental time point, genes with raw expression values <5 at all developmental time points are highlighted in yellow. *gene that is identified as being upregulated yet has a raw expression value <5; **genes that are both up-regulated and down-regulated at specific time points; ***genes with very low raw expression values, yet known to cause limb defects.

No.	Gene Symbol	adjusted				adjusted				adjusted				adjusted							
		FL9.5	WH9.5	log2FC	P-value	FL10.5	WH10.5	log2FC	P-value	FL11.5	WH11.5	log2FC	P-value	FL12.5	WH12.5	log2FC	P-value	FL13.5	WH13.5	log2FC	P-value
TGF-beta signaling																					
1	Tgfb2	6.64	6.38	0.26	>0.001	7.46	6.63	0.83	>0.001	8.374	7.061	1.313	1.50E-14	9.145	7.507	1.638	6.34E-18	9.719	8.636	1.083	1.79E-12
2	Tgfb3	4.78	4.87	-0.09	>0.001	5.59	4.76	0.83	>0.001	5.988	4.621	1.367	1.07E-07	6.576	4.804	1.772	2.05E-10	6.596	4.333	2.263	1.47E-13
3	Tgfb11	7.96	8.75	-0.79	>0.001	7.36	8.58	-1.22	4.78E-06	8.239	8.181	0.058	>0.001	8.763	9.304	-0.541	>0.001	9.128	9.585	-0.457	>0.001
4	Tgfb1	8.90	8.68	0.22	>0.001	9.14	9.29	-0.15	>0.001	10.313	9.813	0.5	>0.001	10.78	10.605	0.175	>0.001	11.203	10.526	0.677	>0.001
5	Tgfb1	9.65	9.53	0.12	>0.001	10.21	9.39	0.82	>0.001	10.198	9.503	0.695	>0.001	10.03	9.491	0.539	>0.001	9.89	9.829	0.961	>0.001
6	Tgfb1	5.69	5.59	0.11	>0.001	6.52	4.996	1.52	3.58E-08	6.444	5.014	1.43	9.59E-08	6.39	5.925	0.465	>0.001	6.253	6.886	-0.633	>0.001
7	Tgfb3	6.30	5.77	0.52	>0.001	7.53	6.36	1.16	5.12E-07	8.263	7.118	1.145	1.18E-06	8.795	8.568	0.227	>0.001	9.324	9.431	-0.107	>0.001
Hedgehog signaling																					
8	Gli1	5.08	6.89	-1.81	4.23E-09	6.69	6.55	0.14	>0.001	6.666	6.317	0.349	>0.001	6.602	6.52	0.082	>0.001	7.28	6.993	0.287	>0.001
9	Ptch2	7.60	8.47	-0.87	>0.001	7.90	8.69	-0.80	>0.001	7.72	8.575	-0.855	>0.001	7.372	8.527	-1.155	1.98E-06	8.147	8.201	-0.054	>0.001
10	lhh	4.80	4.78	0.02	>0.001	4.40	4.27	0.13	>0.001	5.095	4.593	0.502	>0.001	5.671	4.892	0.779	>0.001	5.936	5.886	0.05	>0.001
11	Ptch1	9.36	10.92	-1.56	5.73E-12	9.80	10.76	-0.96	>0.001	9.671	10.616	-0.945	>0.001	9.773	10.832	-1.059	3.03E-09	10.13	10.673	-0.543	>0.001
12	Gli3	10.70	9.85	0.85	>0.001	10.15	9.96	0.19	>0.001	9.787	9.852	-0.063	>0.001	10.026	9.892	0.134	>0.001	10.109	9.487	0.622	>0.001
13	Gli2	9.86	9.07	0.80	>0.001	9.83	9.15	0.68	>0.001	9.95	8.857	1.093	4.10E-10	10.124	8.967	1.157	1.46E-11	9.916	9.046	0.87	>0.001
14	Shh	5.94	9.21	-3.27	2.73E-13	8.46	9.17	-0.71	>0.001	5.533	9.081	-3.548	2.61E-16	4.741	8.374	-3.633	7.05E-17	4.866	7.476	-2.61	1.56E-12
FGF signaling																					
15	Fgf9	6.14	6.16	-0.02	>0.001	6.70	5.85	0.85	>0.001	7.47	6.361	1.109	1.47E-09	7.591	6.869	0.722	>0.001	6.887	6.751	0.136	>0.001
16	Fgfr1	8.74	7.84	0.90	>0.001	8.83	7.83	1.00	1.80E-07	9.052	7.984	1.068	6.68E-08	9.018	8.28	0.738	>0.001	8.752	8.513	0.239	>0.001
17	Fgf18	4.40	5.30	-0.90	>0.001	5.94	4.37	1.56	7.48E-05	7.305	4.125	3.18	1.60E-11	7.784	5.267	2.517	2.68E-09	7.385	6.17	1.215	9.62E-04
18	Fgfr3	6.39	7.75	-1.36	3.76E-06	5.98	8.05	-2.07	5.92E-12	7.324	8.025	-0.701	>0.001	7.602	7.959	-0.357	>0.001	8.265	8.268	-0.003	>0.001
19	Fgf10	5.38	4.79	0.59	>0.001	6.29	4.47	1.82	1.04E-09	5.824	4.112	1.712	7.74E-09	5.728	4.311	1.417	2.55E-07	5.173	4.279	0.894	>0.001
20	Fgf11	4.58	4.10	0.05	>0.001	3.98	3.99	0.00	>0.001	4.454	4.522	-0.068	>0.001	4.554	5.013	-0.459	>0.001	5.143	5.059	0.084	>0.001
21	Fgfr2	9.22	8.73	0.50	>0.001	9.15	8.68	0.47	>0.001	9.539	8.858	0.681	>0.001	9.897	9.419	0.478	>0.001	9.861	9.235	0.626	>0.001
22	Fgf7	4.39	4.77	-0.38	>0.001	4.34	4.68	-0.34	>0.001	5.544	4.791	0.753	>0.001	6.94	5.407	1.533	1.96E-11	7.612	6.695	0.917	>0.001
23	Fgf6	4.30	4.25	0.05	>0.001	3.87	4.49	-0.62	>0.001	4.187	4.399	-0.212	>0.001	4.453	4.535	-0.082	>0.001	5.402	5.281	0.121	>0.001
24	Fgfbp1	4.65	4.80	-0.15	>0.001	5.16	4.88	0.28	>0.001	5.725	4.41	1.315	2.39E-04	5.503	4.843	0.66	>0.001	6.951	6.507	0.444	>0.001
25	Fgf17	3.84	4.88	-1.04	>0.001	4.18	3.84	0.34	>0.001	3.879	3.89	0.01	>0.001	3.709	3.852	-0.143	>0.001	3.6	3.579	0.021	>0.001
26	Fgfr1op	9.89	9.94	-0.05	>0.001	9.59	9.58	0.01	>0.001	9.318	9.514	-0.196	>0.001	9.162	9.182	-0.02	>0.001	8.767	8.738	0.029	>0.001
27	Fgfr4	4.79	5.05	-0.27	>0.001	4.65	4.85	-0.20	>0.001	5.3	4.712	0.588	>0.001	5.566	5.194	0.372	>0.001	6.276	5.762	0.514	>0.001
28	Fgf8	7.72	6.08	1.63	1.06E-05	9.06	4.90	4.16	1.01E-15	6.797	4.75	2.047	2.42E-07	5.835	4.516	1.319	2.86E-04	4.248	4.306	-0.058	>0.001
29	Fgf13	7.58	7.78	-0.20	>0.001	7.38	7.71	-0.33	>0.001	8.114	8.39	-0.276	>0.001	8.262	9.394	-1.132	5.08E-08	7.948	9.782	-1.834	9.91E-14
30	Fgf5	4.93	4.80	0.13	>0.001	4.93	4.97	-0.04	>0.001	4.238	5.313	-1.075	4.32E-04	4.267	5.184	-0.917	>0.001	4.047	4.434	-0.387	>0.001
31	Fgfbp3	5.02	7.96	-2.93	2.87E-08	5.50	7.76	-2.26	9.40E-08	5.803	7.969	-2.166	5.51E-07	5.645	8.656	-3.011	1.34E-10	5.518	8.114	-2.596	3.34E-09
32	Fgf12	4.55	4.43	0.12	>0.001	4.37	4.15	0.22	>0.001	4.66	4.756	-0.096	>0.001	6.043	5.567	0.476	>0.001	5.857	6.035	-0.178	>0.001
33	Fgfr1	9.37	8.38	0.98	6.22E-05	9.68	8.10	1.58	5.04E-08	9.598	8.2	1.398	8.04E-07	9.509	9.1	0.409	>0.001	9.665	9.26	0.405	>0.001
34	Fgf15	4.92	7.52	-2.60	4.65E-10	4.32	7.48	-3.16	1.58E-14	4.791	7.664	-2.873	7.63E-13	4.809	7.752	-2.943	4.68E-14	4.155	6.739	-2.584	5.15E-12
35	Fgfr1op2	8.53	8.20	0.33	>0.001	9.30	8.09	1.21	8.76E-18	9.285	7.798	1.487	2.33E-20	9.248	8.035	1.213	4.36E-18	9.552	8.274	1.278	6.79E-19
ROR signaling																					
36	Ror2	7.88	7.37	0.51	>0.001	7.77	7.34	0.43	>0.001	7.54	7.105	0.435	>0.001	7.507	7.093	0.414	>0.001	7.157	6.768	0.389	>0.001
37	Ror1	7.37	6.87	0.51	>0.001	7.93	6.75	1.18	5.66E-10	7.735	6.985	0.75	>0.001	7.939	6.788	1.151	1.50E-09	7.722	6.688	1.034	1.15E-08
Transcription factors																					
38	Lbx1	7.07	5.38	1.69	1.41E-12	7.82	5.82	2.00	6.95E-17	6.952	5.707	1.245	1.52E-10	6.363	5.948	0.415	>0.001	6.111	5.845	0.266	>0.001
39	Sall2	9.33	9.85	-0.53	>0.001	8.49	9.59	-1.10	8.34E-07	8.61	9.619	-1.009	4.32E-06	8.372	9.826	-1.454	1.25E-09	8.044	9.267	-1.223	6.45E-08
40	Lmx1a***	4.51	4.94	-0.43	>0.001	4.99	4.62	0.37	>0.001	4.88	4.382	0.498	>0.001	4.197	4.145	0.052	>0.001	4.164	3.971	0.193	>0.001
41	Sall1	7.48	8.07	-0.38	>0.001	8.08	7.31	0.77	>0.001	7.933	7.319	0.614	>0.001	7.42	7.163	0.257	>0.001	6.526	6.379	0.147	>0.001
42	Msx1	9.58	8.01	1.57	2.32E-09	9.79	7.84	1.96	8.55E-13	9.398	7.469	1.929	2.17E-12	9.619	7.672	1.947	8.00E-13	8.565	6.927	1.638	6.75E-11
43	Sox18	9.21	8.25	0.96	1.82E-05	9.16	8.45	0.72	>0.001	9.009	8.4	0.609	>0.001	9.189	8.755	0.434	>0.001	8.888	8.955	-0.067	>0.001
44	Pax9	5.06	5.53	-0.46	>0.001	4.75	5.81	-1.06	8.85E-08	6.204	6.009	0.195	>0.001	6.359	6.217	0.142	>0.001	5.499	5.688	-0.189	>0.001
45	Pax7	4.00	4.34	-0.34	>0.001	4.25	4.49	-0.24	>0.001	5.193	4.24	0.953	>0.001	5.807	4.865	0.942	>0.001	5.85	4.553	1.297	9.74E-07
46	Msx3	5.42	7.32	-1.91	5.65E-07	4.89	7.61	-2.72	8.50E-13	4.879	7.235	-2.356	1.13E-10	4.758	7.555	-2.797	3.36E-13	5.095	5.481	-0.386	>0.001
47	Meis1	7.34	7.40	-0.06	>0.001	5.68	8.18	-2.50	6.11E-13	4.937	7.981	-3.044	4.95E-15	4.757	6.02	-1.263	5.32E-06	5.584	5.631	-0.047	>0.001
48	Sox5</																				

77 Dlx2	7.73	6.87	0.86	1.86E-04	6.80	6.87	-0.07	>0.001	6.655	6.558	0.097	>0.001	6.352	7.59	-1.238	6.45E-07	5.869	7.162	-1.293	1.61E-07
78 Sp1	10.25	10.13	0.12	>0.001	10.50	10.16	0.34	>0.001	10.414	9.872	0.542	>0.001	10.602	9.875	0.727	>0.001	10.898	9.976	0.922	>0.001
79 Sp7	5.44	5.13	0.31	>0.001	4.87	5.13	-0.26	>0.001	5.16	5.21	-0.05	>0.001	5.215	5.911	-0.696	>0.001	5.935	6.668	-0.733	>0.001
80 Pax3	7.27	8.09	-0.83	>0.001	7.74	8.17	-0.43	>0.001	5.496	7.904	-2.408	2.00E-14	5.044	7.467	-2.423	1.06E-14	5.004	6.318	-1.314	7.54E-08
81 Runx3	5.14	5.06	0.08	>0.001	4.73	5.01	-0.28	>0.001	5.411	5.093	0.318	>0.001	5.822	5.579	0.243	>0.001	6.01	5.481	0.529	>0.001
82 Dlx5	6.86	6.99	-0.12	>0.001	7.25	6.73	0.52	>0.001	8.717	6.656	2.061	1.49E-11	8.705	7.398	1.307	4.13E-07	7.792	7.519	0.273	>0.001
83 Myog	5.24	5.97	-0.72	>0.001	6.26	7.03	-0.78	>0.001	10.023	7.651	2.372	5.42E-04	10.668	9.475	1.193	>0.001	11.304	10.153	1.151	>0.001
84 Evx1	5.49	6.51	-1.03	>0.001	6.44	5.67	0.77	>0.001	6.285	5.649	0.636	>0.001	5.393	5.827	-0.434	>0.001	5.235	4.907	0.328	>0.001
85 Sox13	8.33	7.99	0.34	>0.001	7.51	7.26	0.25	>0.001	6.703	6.813	-0.11	>0.001	6.478	7.162	-0.684	>0.001	6.749	6.999	-0.25	>0.001
86 Sox21	4.28	6.90	-2.61	4.80E-09	4.13	6.80	-2.67	1.20E-11	4.281	6.501	-2.22	4.05E-09	4.548	6.807	-2.259	2.29E-09	4.352	5.627	-1.275	6.48E-05
87 Pax6	4.20	5.99	-1.79	3.31E-07	3.91	6.03	-2.12	1.05E-10	3.95	5.601	-1.651	8.15E-08	3.869	5.368	-1.499	3.17E-07	3.987	4.657	-0.67	>0.001
88 Sox8	3.47	3.43	0.05	>0.001	5.46	3.23	2.23	3.91E-11	5.338	3.368	1.97	3.18E-09	6.082	3.362	2.72	1.11E-13	6.245	3.755	2.49	1.17E-12
89 Sp2	7.95	7.45	0.50	>0.001	7.38	6.99	0.40	>0.001	7.33	6.765	0.565	>0.001	6.975	7.653	-0.678	>0.001	6.888	7.874	-0.986	>0.001
90 Msx2	8.67	7.14	1.54	3.10E-10	8.57	6.77	1.79	3.09E-13	8.409	6.693	1.716	1.93E-12	8.28	6.766	1.514	3.19E-11	6.517	6.031	0.486	>0.001
91 Sox4	9.57	8.98	0.60	>0.001	10.42	9.36	1.07	1.82E-07	10.498	9.528	0.97	1.85E-06	10.563	10.52	0.043	>0.001	10.536	10.303	0.233	>0.001
92 Pitx1	5.64	6.98	-1.34	>0.001	4.82	6.63	-1.81	1.52E-07	5.291	6.641	-1.35	3.97E-05	5.34	7.754	-2.414	6.19E-11	5.149	7.458	-2.309	1.84E-10
93 Lbx2	5.18	4.78	0.39	>0.001	4.74	4.75	-0.02	>0.001	4.588	4.799	-0.211	>0.001	4.431	5.136	-0.705	>0.001	4.675	4.611	0.064	>0.001

Homeobox transcription factors

94 Hoxa2	6.81	7.27	-0.46	>0.001	6.27	7.37	-1.10	1.52E-04	5.987	6.946	-0.959	>0.001	5.835	6.983	-1.148	5.80E-05	5.823	5.966	-0.143	>0.001
95 Hoxb8	6.26	5.90	0.36	>0.001	5.82	5.88	-0.06	>0.001	4.78	6.131	-1.351	9.08E-04	4.56	7.096	-2.536	1.29E-07	4.529	5.619	-1.09	>0.001
96 Hoxa5**	9.82	8.76	1.06	9.56E-05	8.76	9.06	-0.29	>0.001	8.18	9.16	-0.98	>0.001	8.05	9.163	-1.113	1.31E-06	8.171	8.654	-0.483	>0.001
97 Hoxc13	4.64	4.84	-0.20	>0.001	5.32	5.01	0.31	>0.001	6.088	5.435	0.653	>0.001	5.865	6.308	-0.443	>0.001	5.296	5.795	-0.499	>0.001
98 Hoxd13	6.69	6.54	0.15	>0.001	9.73	6.47	3.26	2.41E-17	11.206	7.988	3.218	3.32E-17	11.203	8.287	2.916	3.21E-16	10.108	7.294	2.814	6.78E-16
99 Hoxb5**	10.29	8.28	2.02	2.25E-05	7.52	8.48	-0.97	>0.001	6.097	9.09	-2.993	3.98E-09	6.128	9.666	-3.538	6.33E-12	6.077	9.121	-3.044	3.58E-10
100 Hoxc6	7.71	6.86	0.86	>0.001	7.64	6.87	0.78	>0.001	7.603	6.67	0.933	>0.001	7.548	7.132	0.416	>0.001	6.824	6.42	0.404	>0.001
101 Hoxc5	9.45	7.36	2.09	8.53E-07	8.34	7.69	0.65	>0.001	8.695	7.699	0.996	>0.001	9.217	7.609	1.608	1.15E-05	8.106	6.534	1.572	1.31E-05
102 Hoxc4	9.72	8.52	1.20	>0.001	8.33	9.05	-0.72	>0.001	8.21	8.881	-0.671	>0.001	8.475	9.127	-0.652	>0.001	8.31	8.271	0.039	>0.001
103 Hoxb3	8.40	7.44	0.96	>0.001	7.94	7.84	0.10	>0.001	7.036	7.962	-0.926	>0.001	6.825	8.207	-1.382	2.23E-05	7.13	7.766	-0.636	>0.001
104 Hoxa4**	6.14	5.11	1.03	5.06E-04	4.92	4.57	0.35	>0.001	3.92	4.618	-0.698	>0.001	3.915	4.943	-1.028	8.47E-04	4.1	4.294	-0.194	>0.001
105 Hoxb6**	9.91	8.15	1.76	9.00E-06	7.46	8.15	-0.69	>0.001	5.931	8.009	-2.078	4.24E-08	5.985	8.236	-2.251	1.88E-09	5.721	7.889	-2.168	7.23E-09
106 Hoxa3	7.41	6.75	0.67	>0.001	6.61	6.43	0.17	>0.001	6.303	6.423	-0.12	>0.001	6.215	6.896	-0.681	>0.001	6.246	6.225	0.021	>0.001
107 Hoxd10	10.27	8.16	2.11	3.63E-19	11.31	8.36	2.94	3.49E-26	10.923	8.604	2.319	3.02E-22	10.623	7.947	2.676	4.75E-25	9.932	7.819	2.113	1.09E-21
108 Hoxb1	8.28	8.48	-0.21	>0.001	3.85	6.54	-2.69	6.74E-09	3.45	4.658	-1.208	>0.001	3.455	3.848	-0.393	>0.001	3.336	3.346	-0.011	>0.001
109 Hoxa11	8.29	6.53	1.76	5.96E-12	10.26	6.88	3.38	1.78E-22	9.791	6.786	3.005	1.66E-20	9.393	7.369	2.024	3.24E-15	8.407	6.59	1.817	6.83E-14
110 Hoxc9	6.87	7.36	-0.49	>0.001	6.45	7.22	-0.77	>0.001	6.023	7.094	-1.071	4.51E-09	5.747	7.094	-1.347	1.03E-11	6.125	6.565	-0.44	>0.001
111 Hoxd12	4.24	3.90	0.34	>0.001	8.13	3.59	4.54	4.14E-19	9.056	3.68	5.376	2.72E-21	8.902	4.161	4.741	6.05E-20	6.589	3.732	2.857	4.55E-13
112 Hoxa10	8.75	7.77	0.98	>0.001	10.41	8.03	2.38	1.19E-15	10.566	8.754	1.812	1.09E-11	10.363	9.097	1.266	8.11E-09	9.826	7.978	1.848	2.06E-12
113 Hoxd4	5.62	5.49	0.13	>0.001	7.06	5.33	1.73	1.43E-08	5.616	5.153	0.463	>0.001	5.719	4.899	0.82	>0.001	5.629	4.995	0.934	>0.001
114 Hoxa7	8.66	7.98	0.69	>0.001	8.38	7.61	0.78	>0.001	7.644	7.812	-0.168	>0.001	7.555	7.651	-0.096	>0.001	6.936	7.085	-0.149	>0.001
115 Hoxb13***	4.59	4.17	0.42	>0.001	4.52	5.03	-0.50	>0.001	4.655	5.479	-0.824	>0.001	4.319	4.965	-0.646	>0.001	4.201	5.04	-0.839	>0.001
116 Hoxd9	11.88	8.25	3.64	1.66E-20	11.20	8.61	2.59	2.03E-17	10.305	8.196	2.109	1.51E-14	9.802	8.476	1.326	1.63E-09	8.878	8.056	0.822	>0.001
117 Hoxa11as	5.93	5.57	0.36	>0.001	8.34	5.77	2.58	1.37E-19	8.892	5.904	2.988	2.72E-21	8.534	6.076	2.458	5.73E-19	7.7	5.659	2.041	2.03E-16
118 Hoxb4	7.06	6.49	0.57	>0.001	6.60	6.28	0.32	>0.001	6.064	6.239	-0.175	>0.001	6.345	6.161	0.184	>0.001	5.985	5.469	0.516	>0.001
119 Hoxa9	11.24	9.25	1.99	1.65E-19	11.24	9.91	1.33	9.12E-16	10.416	9.8	0.616	>0.001	10.258	9.65	0.608	>0.001	10.147	8.788	1.359	2.74E-16
120 Hoxb9	5.89	5.56	0.33	>0.001	4.81	4.94	-0.13	>0.001	4.375	5.131	-0.756	>0.001	4.669	5.501	-0.832	>0.001	4.702	4.917	-0.215	>0.001
121 Hoxa13	4.94	4.95	-0.02	>0.001	7.25	4.68	2.57	7.05E-08	8.451	4.417	4.034	2.22E-13	8.319	4.763	3.556	1.98E-12	6.622	4.501	2.121	6.69E-07
122 Hoxd8	10.28	7.88	2.40	4.62E-15	10.13	7.75	2.38	5.07E-17	9.309	7.078	2.231	8.77E-16	9.417	7.782	1.635	1.24E-12	9.704	7.601	2.103	6.94E-16
123 Hoxd11	4.73	4.28	0.45	>0.001	9.23	4.48	4.75	1.21E-28	9.024	4.692	4.332	6.59E-27	8.744	4.783	3.961	3.06E-26	7.233	4.39	2.843	1.34E-21
124 Hoxc10	3.97	8.46	-4.49	2.10E-12	5.21	7.61	-2.41	5.88E-08	5.266	8.281	-3.015	2.27E-09	4.71	9.321	-4.611	4.06E-16	3.903	8.006	-4.103	1.43E-14
125 Hoxa1	10.39	9.75	0.65	>0.001	6.97	8.62	-1.64	7.23E-08	6.166	7.772	-1.606	5.34E-07	6.504	6.752	-0.248	>0.001	6.112	6.631	-0.519	>0.001
126 Hoxb2	7.99	7.81	0.17	>0.001	7.74	7.44	0.29	>0.001	7.19	7.211	-0.021	>0.001	7.276	7.396	-0.12	>0.001	7.078	6.697	0.381	>0.001
127 Hoxd1	7.20	6.17	1.03	>0.001	4.21	5.03	-0.82	>0.001	3.886	4.722	-0.836	>0.001	5.048	4.735	0.313	>0.001	4.259	4.411	-0.152	>0.001

BMP signaling

128 Grem2	4.77	5.08	-0.31	>0.001	4.57	6.18	-1.61	7.32E-09	6.621	6.901	-0.28	>0.001	7.263	6.727	0.536	>0.001	6.868	6.82	0.048	>0.001
129 Bambi	10.94	9.47	1.47	5.80E-14	9.65	8.98	0.68	>0.001	9.826	8.724	1.102	1.07E-11	9.672	8.823	0.849	>0.001	8.774	8.641	0.133	>0.001
130 Bmp6	4.75	5.58	-0.83	>0.001	4.76	6.04	-1.28	2.30E-08	5.258	6.052	-0.794	>0.001	5.759	6.36	-0.601	>0.001	5.606	7.178	-1.572	1.13E-10
131 Bmp4	10.13	8.96	1.17	9.09E-09	10.82	8.67	2.15	1.09E-17	10.597	8.361	2.236	7.70E-18	10.339	8.73	1.609					

166 Wnt5a	8.98	8.49	0.49	>0.001	9.68	8.23	1.45	4.37E-11	10.327	8.627	1.7	1.13E-12	10.202	8.993	1.209	1.23E-09	9.974	9.007	0.967	>0.001
167 Fzd5	5.53	6.99	-1.46	1.66E-09	4.76	6.78	-2.01	1.50E-15	5.53	6.94	-1.41	1.77E-10	5.821	7.576	-1.755	1.68E-13	5.877	8.068	-2.191	8.55E-17
168 Fzd1	9.69	8.68	1.01	8.12E-11	9.56	9.00	0.56	>0.001	9.783	9.408	0.375	>0.001	9.686	9.971	-0.285	>0.001	9.453	9.713	-0.26	>0.001
169 Lrp6**	5.86	5.76	0.10	>0.001	7.69	5.95	1.74	8.09E-07	7.444	5.864	1.58	1.12E-05	7.801	5.676	2.125	6.97E-09	7.504	5.433	2.071	2.15E-08
170 Wnt4	8.21	7.90	0.31	>0.001	7.59	7.39	0.20	>0.001	8.079	7.251	0.828	>0.001	8.458	8.212	0.246	>0.001	8.399	8.162	0.237	>0.001
171 Lrp10	8.69	7.90	0.79	1.63E-04	8.24	7.73	0.51	>0.001	8.364	7.383	0.981	1.71E-05	8.314	8.416	-0.102	>0.001	8.694	9.111	-0.417	>0.001
172 Lrp1	7.81	7.41	0.41	>0.001	7.75	7.53	0.22	>0.001	8.135	7.798	0.337	>0.001	8.128	8.086	0.042	>0.001	8.954	8.652	0.302	>0.001
173 Tcf21	4.40	6.16	-1.77	>0.001	4.26	6.24	-1.98	5.20E-04	3.736	6.358	-2.622	9.00E-05	3.679	7.052	-3.373	9.31E-07	3.467	7.946	-4.479	2.05E-09
174 Lef1	7.81	5.47	2.33	6.01E-10	8.00	4.69	3.31	4.10E-15	7.636	4.695	2.941	3.15E-13	7.648	5.49	2.158	2.39E-10	6.854	4.87	1.984	5.42E-09
175 Tcf15	8.47	8.68	-0.21	>0.001	9.14	8.61	0.53	>0.001	7.878	8.086	-0.208	>0.001	7.838	8.342	-0.504	>0.001	7.81	7.61	0.2	>0.001
176 Lrp12	8.27	7.81	0.45	>0.001	9.15	8.04	1.11	9.67E-13	9.319	8.439	0.88	>0.001	9.311	8.471	0.84	>0.001	8.942	8.161	0.781	>0.001
177 Lrp2	4.14	6.50	-2.36	1.10E-18	3.27	5.32	-2.05	8.33E-19	3.254	4.767	-1.513	3.13E-14	3.338	4.263	-0.925	>0.001	3.163	3.622	-0.459	>0.001
178 Lrp11	7.16	7.02	0.14	>0.001	5.51	6.81	-1.30	1.64E-07	4.816	7.148	-2.332	1.86E-13	5.203	7.166	-1.963	3.06E-11	4.692	7.524	-2.832	1.50E-16
179 Tcf7	6.76	5.83	0.93	1.34E-04	7.08	5.20	1.88	2.16E-10	6.115	4.939	1.176	6.97E-06	5.58	5.551	0.029	>0.001	5.485	5.147	0.338	>0.001
180 Tcf4	9.64	8.97	0.67	>0.001	10.42	9.25	1.18	6.18E-11	10.918	9.515	1.403	1.47E-12	10.979	10.291	0.688	>0.001	11.165	10.517	0.648	>0.001
181 Fzd2	11.00	10.40	0.60	>0.001	10.89	10.23	0.66	>0.001	10.958	10.354	0.604	>0.001	11.032	11.251	-0.219	>0.001	10.917	10.903	0.014	>0.001
182 Wnt7a	8.99	7.09	1.90	1.29E-11	7.09	7.29	-0.20	>0.001	6.688	7.268	-0.58	>0.001	6.703	7.431	-0.728	>0.001	5.806	6.89	-1.084	2.12E-07
183 Tcf19	7.65	7.46	0.19	>0.001	8.39	7.72	0.67	>0.001	8.788	7.658	1.13	6.00E-11	8.836	7.985	0.851	>0.001	8.751	8.536	0.215	>0.001
184 Dkk4	4.61	4.33	0.28	>0.001	4.50	4.18	0.32	>0.001	4.296	4.325	-0.029	>0.001	4.252	4.301	-0.049	>0.001	5.542	4.827	0.715	>0.001
185 Dkk1	8.01	7.43	0.58	>0.001	8.47	7.33	1.14	8.81E-09	7.529	7.105	0.424	>0.001	7.158	7.078	0.08	>0.001	7.03	6.874	0.156	>0.001
186 Tcf12	11.10	10.54	0.56	>0.001	11.93	10.48	1.45	2.51E-17	11.787	10.536	1.251	6.43E-15	11.768	10.775	0.993	8.18E-13	11.651	10.393	1.258	1.59E-15
187 Fzd7	9.64	9.54	0.10	>0.001	9.07	8.99	0.08	>0.001	9.054	8.535	0.519	>0.001	9.032	8.612	0.42	>0.001	8.887	8.24	0.647	>0.001
188 Fzd3	8.45	8.87	-0.42	>0.001	8.65	8.86	-0.21	>0.001	8.287	8.714	-0.427	>0.001	8.215	8.3	-0.085	>0.001	7.611	7.74	-0.129	>0.001
189 Wnt2	8.62	7.71	0.91	>0.001	5.77	7.58	-1.81	2.30E-07	5.901	6.927	-1.026	>0.001	6.473	6.835	-0.362	>0.001	6.091	6.846	-0.755	>0.001

T-box genes

190 Tbx3	7.88	6.08	1.80	8.03E-11	8.37	6.28	2.09	1.02E-14	8.099	6.323	1.776	2.96E-12	7.983	6.151	1.832	2.29E-13	7.767	5.665	2.102	6.49E-15
191 Tbx15	7.09	4.77	2.32	2.28E-15	10.02	6.18	3.84	4.68E-25	10.157	7.266	2.891	2.11E-20	9.863	7.92	1.943	2.31E-15	9.184	7.818	1.366	6.16E-11
192 Tbx5	8.21	6.43	1.78	2.89E-08	9.11	6.65	2.46	6.27E-14	9.597	6.74	2.857	3.91E-15	9.764	6.73	3.034	7.45E-17	8.983	6.423	2.56	1.34E-14
193 Tbx19	4.73	4.94	-0.21	>0.001	4.19	5.11	-0.91	>0.001	4.267	4.716	-0.449	>0.001	4.025	4.857	-0.832	>0.001	4.337	4.347	-0.01	>0.001
194 Tbx2	7.71	6.12	1.59	6.98E-07	7.98	7.07	0.91	>0.001	7.994	7.442	0.552	>0.001	7.525	8.163	-0.638	>0.001	6.853	7.48	-0.627	>0.001
195 Tbx4	4.57	6.41	-1.83	2.08E-12	6.93	6.66	0.27	>0.001	6.975	7.114	-0.139	>0.001	7.058	7.29	-0.232	>0.001	6.161	6.829	-0.668	>0.001
196 Tbx6***	4.20	5.57	-1.37	3.62E-04	3.99	4.38	-0.39	>0.001	4.007	4.126	-0.119	>0.001	3.966	4.023	-0.057	>0.001	4.075	4.21	-0.135	>0.001
197 Tbx22***	3.44	3.65	-0.20	>0.001	3.60	3.79	-0.19	>0.001	4.396	4.594	-0.198	>0.001	3.705	3.997	-0.292	>0.001	3.572	3.828	-0.256	>0.001
198 Tbx20	4.42	6.91	-2.49	7.55E-08	3.42	6.33	-2.91	3.41E-11	3.432	6.162	-2.73	1.21E-09	3.291	6.714	-3.423	2.37E-11	3.437	6.257	-2.82	1.06E-10
199 Tbx1	5.15	7.10	-1.95	8.05E-07	5.67	6.86	-1.19	1.12E-05	6.823	6.388	0.435	>0.001	7.063	6.569	0.494	>0.001	6.716	6.311	0.405	>0.001
200 Tbx18	8.13	7.20	0.93	>0.001	10.15	7.44	2.71	2.60E-19	10.678	8.187	2.491	7.64E-18	10.567	8.336	2.231	7.73E-17	10.284	7.869	2.415	5.22E-18