

GP zone	Gene	MEK1/2 inhibition		SHP2 depletion		4-OHT treatment	
		FC*	P value	FC*	P value	FC*	P value
PZ	<i>Sox9</i>	2.05	2.4E-03	1.36	7.7E-01	1.13	1.0E+00
	<i>Col9a1</i>	1.76	3.3E-02	1.46	5.2E-01	0.99	1.0E+00
	<i>Fgfr3</i>	2.74	1.4E-05	2.35	7.7E-03	0.82	1.0E+00
	<i>Acan</i>	2.43	1.4E-04	1.32	7.7E-01	1.06	1.0E+00
Pre-HZ	<i>Pth1r</i>	2.08	5.0E-03	2.61	1.5E-03	0.82	1.0E+00
	<i>Ihh</i>	3.92	3.1E-09	6.27	7.6E-11	0.71	4.5E-01
	<i>Panx3</i>	3.42	1.6E-08	5.05	5.5E-09	0.77	7.0E-01
	<i>Sp7</i>	2.04	4.4E-03	1.65	2.5E-01	0.92	1.0E+00
Early-HZ	<i>Col10a1</i>	1.69	5.3E-02	1.66	2.5E-01	0.67	1.3E-01
	<i>Phospho1</i>	2.85	8.3E-06	2.35	8.5E-03	0.93	1.0E+00
	<i>Bmp6</i>	2.41	2.4E-04	2.06	4.1E-02	0.79	1.0E+00
	<i>Alpl</i>	1.88	1.9E-02	2.88	3.2E-04	0.86	1.0E+00
Late-HZ	<i>Adamts1</i>	0.71	3.5E-01	0.43	1.6E-02	1.28	8.8E-01
	<i>Adamts5</i>	0.30	1.1E-07	0.47	2.9E-02	1.10	1.0E+00
	<i>Spp1</i>	0.13	1.5E-22	0.88	1.0E+00	0.72	3.4E-01
	<i>Hpse</i>	0.34	1.8E-06	0.39	4.5E-03	0.43	2.9E-06

* FC = Fold change when comparing treated pellets to control pellets at w3