

Table S10. Gene expression changes in WM239 cells after knockdown of P4HA1 expression.

Gene	Gene description	Wald statistic	Adjusted p-value	Normalized counts \pm StDev		Fold
				WM239 parental and control shRNA cells ($n = 4$)	WM239 P4HA1-knockdown cells ($n = 4$)	
Downregulated in P4HA1-knockdown cells						
<i>P4HA1</i>	Prolyl 4-hydroxylase subunit alpha 1	-18.352	3.01E-71	2476 \pm 457	474 \pm 37	-5.23
<i>LAMA5</i>	Laminin subunit alpha 5	-5.582	7.51E-05	1096 \pm 167	793 \pm 179	-1.38
<i>SPIRE1</i>	Spire type actin nucleation factor 1	-5.076	0.00074	608 \pm 92	420 \pm 15	-1.45
<i>MT-RNR2</i>	Mitochondrially encoded 16S RNA	-4.460	0.011	95597 \pm 10123	68555 \pm 9427	-1.39
<i>LPL</i>	Lipoprotein lipase	-4.336	0.017	4310 \pm 1214	2993 \pm 543	-1.44
<i>RELN</i>	Reelin	-4.133	0.038	339 \pm 130	197 \pm 67	-1.72
Upregulated in P4HA1-knockdown cells						
<i>KCNE4</i>	Potassium voltage-gated channel subfamily E regulatory subunit 4	8.844	4.38E-15	617 \pm 75	1145 \pm 240	1.86
<i>DKK1</i>	Dickkopf WNT signaling pathway inhibitor 1	5.075	0.00074	1016 \pm 192	1358 \pm 277	1.34
<i>HERPUD1</i>	Homocysteine inducible ER protein with ubiquitin like domain 1	4.594	0.0069	1084 \pm 72	1485 \pm 308	1.37
<i>F2RL2</i>	Coagulation factor II thrombin receptor like 2	4.059	0.047	1142 \pm 165	1515 \pm 175	1.33