

Table S9. Gene Set Enrichment Analysis results for genes that correlate with P4HA1 expression in melanoma cell lines and primary melanoma tissues.

Gene set collection	Gene set	Normalized enrichment score	False discovery rate q-value
Melanoma cell lines			
HALLMARK	EPITHELIAL_MESENCHYMAL_TRANSITION	3.839	<0.0001
	HYPOXIA	3.285	<0.0001
	GLYCOLYSIS	2.607	<0.0001
	MTORC1_SIGNALING	2.014	0.008
	INFLAMMATORY_RESPONSE	1.758	0.024
Primary melanoma tissues			
HALLMARK	HYPOXIA	3.049	<0.0001
	GLYCOLYSIS	2.527	<0.0001
	MTORC1_SIGNALING	2.439	<0.0001