Supplemental Table S5. Top 10 highly expressed receptor kinases in HEMs

Gene Name (Gene ID)	Average FPKM ± SEM
tyrosine kinase-type cell surface receptor HER3 (ERBB3)	67.3 ± 9.4
stem cell growth factor receptor Kit (KIT)	**53.6 ± 11.7**
transforming growth factor, beta receptor II (TGFBR2)	48.7 ± 10.4
tyrosine-protein kinase receptor TYRO3 (TYRO3)	**23.7 ± 3.4**
hepatocyte growth factor receptor (MET)	**23.4 ± 6.1**
fibroblast growth factor receptor 1 (FGFR1)	23.3 ± 2.7
discoidin domain receptor tyrosine kinase 2 (DDR2)	21.0 ± 4.7
receptor-like tyrosine kinase (RYK)	17.6 ± 3.0
transforming growth factor, beta receptor 1 (TGFBR1)	16.1 ± 5.3
activin A receptor, type I (ACVR1)	15.7 ± 1.4

Supplemental Table S5. Top 10 highly expressed receptor kinases in HEMs. The highest expressed receptor kinases in melanocytes were obtained by averaging their FPKM from each library. Receptor kinase genes known to play a vital role in melanocyte function are highlighted in bold.