Supplemental Table S6. Top 25 highly expressed transcription factors in HEMs

Gene Name (Gene ID)	Average FPKM ± SEM
Y box binding protein 1 (YBX1)	463.6 ± 49.3
high mobility group 20B (HMG20B)	210.4 ± 84.3
activating transcription factor 4 (ATF4)	200.0 ± 27.6
endothelial differentiation-related factor 1 (EDF1)	176.7 ± 17.5
SRY (sex determining region Y)-box 10 (SOX10)	171.0 ± 39.4
microphthalmia-associated transcription factor (MITF)	159.3 ± 58.4
eukaryotic translation initiation factor 3, subunit K (EIF3K)	154.8 ± 13.0
prohibitin 2 (PHB2)	141.6 ± 10.1
upstream transcription factor 2, c-fos interacting (USF2)	140.4 ± 38.6
transcription factor AP-2 alpha (TFAP2A)	133.0 ± 41.7
cold shock domain containing E1, RNA-binding (CSDE1)	125.9 ± 19.2
v-ets avian erythroblastosis virus E26 oncogene homolog 1 (ETS1)	122.7 ± 14.6
interferon, gamma-inducible protein 16 (IFI16)	117.2 ± 39.9
plexin C1 (PLXNC1)	114.9 ± 22.6
nuclear factor, erythroid 2-like 1 (NFE2L1)	106.5 ± 23.2
H1 histone family, member 0 (H1F0)	103.8 ± 18.9
snail family zinc finger 2 (SNAI2)	101.2 ± 24.3
ceramide synthase 2 (CERS2)	98.8 ± 6.7
sterol regulatory element binding transcription factor 2 (SREBF2)	93.5 ± 15.5
high mobility group box 1 (HMGB1)	84.2 ± 32.2
EWS RNA-binding protein 1 (EWSR1)	82.1 ± 14.5
transcription elongation factor A (SII)-like 8 (TCEAL8)	81.6 ± 14.5
zinc finger protein 106 (ZFP106)	80.9 ± 13.2
ets variant 5 (ETV5)	78.0 ± 11.3
signal transducer and activator of transcription 6 (STAT6)	76.6 ± 13.8

Supplemental Table S6. Top 25 highly expressed transcription factor genes in HEMs. The highest expressed transcription factors in melanocytes were obtained by averaging their FPKM from each library. Transcription factors important for melanocyte function are in bold.