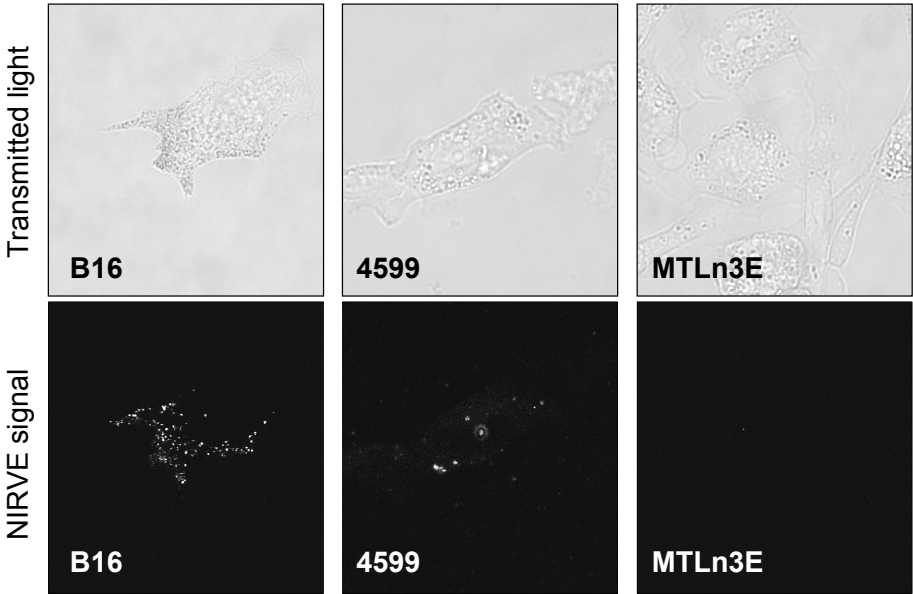
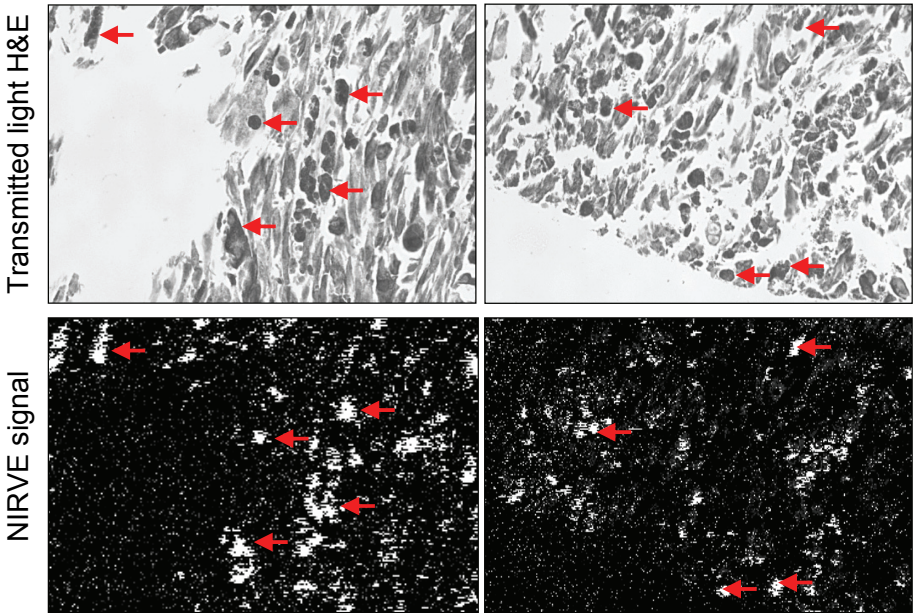


Supplementary Figure 1

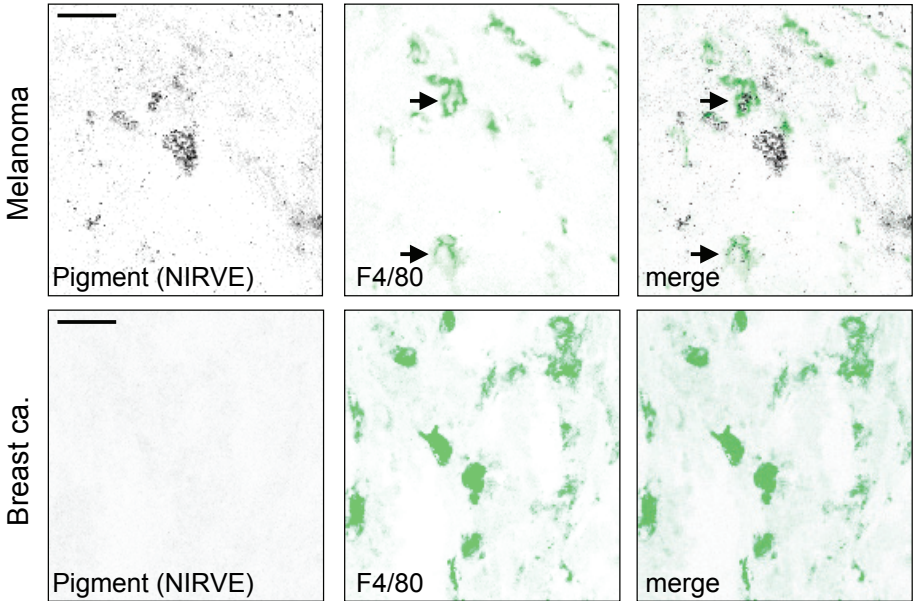
A



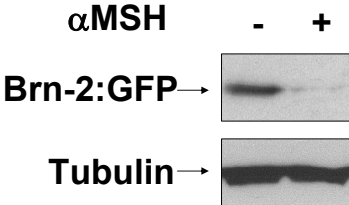
B



C



Supplementary Figure 2



Supplementary Table 1

Mean fold change	Gene name
Up in pigmented cells	
3.49499981	RIKEN cDNA A130004G11 gene
3.253531426	phosphatidylinositol glycan anchor biosynthesis, class C
3.203391919	macrophage scavenger receptor 1
3.074942594	predicted gene, EG214321
2.803932736	ADP-ribosylation factor-like 15
2.579357596	methyl-CpG binding domain protein 1
2.492769541	ataxin 1
2.435398687	utrophin
2.433645158	CUG triplet repeat, RNA binding protein 2
2.353345464	expressed sequence C78441
2.342984881	mitochondrial carrier homolog 2 (C. elegans)
2.333445831	forkhead box K2
2.29172782	RIKEN cDNA 5830474E16 gene
2.268505136	amyloid beta (A4) precursor protein-binding, family B, member 2
2.253053135	nuclear receptor subfamily 2, group C, member 2
2.236508536	retinitis pigmentosa 9 (human)
2.219804237	Smg-6 homolog, nonsense mediated mRNA decay factor (C. elegans)
2.186186495	like-glycosyltransferase
2.146184519	melanoma antigen, family H, 1
2.142588278	smoothened homolog (Drosophila)
2.122154341	glutamine fructose-6-phosphate transaminase 1
2.077992981	cell growth regulator with ring finger domain 1
2.046118573	DNA segment, Chr 9, Wayne State University 90, expressed
2.016492906	excision repair cross-complementing rodent repair deficiency, complementation group 6
1.991367614	expressed sequence C80258
1.973734804	microtubule associated serine/threonine kinase 2
1.953981121	vasohibin 1
1.943084942	kit ligand
1.924419707	chemokine (C-X-C motif) receptor 4
1.922101198	neural cell adhesion molecule 1
1.882293569	suprabasin
1.859582847	RIKEN cDNA 5730419I09 gene
1.858646074	FCH domain only 2
1.810351726	expressed sequence C76628
1.786922203	phosphatase and tensin homolog
1.749416594	secretion regulating guanine nucleotide exchange factor
Up in non-pigmented cells	
-3.978770747	steroid 5 alpha-reductase 2-like
-3.756834213	expressed sequence T25656
-2.870838975	small nuclear ribonucleoprotein D3
-2.862794085	expressed sequence T25656
-2.34866994	RIKEN cDNA 4930414L22 gene
-2.309742409	centromere protein A
-2.225585523	vacuolar protein sorting 13A (yeast)
-2.220773022	transforming growth factor, beta 2
-2.165699485	myeloid leukemia factor 1 interacting protein
-2.107059637	RIKEN cDNA 4933440H19 gene
-2.098114329	transforming growth factor, beta 2
-2.005345288	sorbitol dehydrogenase
-1.941578554	RIKEN cDNA A930005H10 gene
-1.907397033	deltex 3-like (Drosophila)
-1.907104277	zinc finger protein 110
-1.860407267	formin-like 3
-1.855516149	syntaxin 3
-1.792237	zinc finger and BTB domain containing 11
-1.773858522	mesoderm specific transcript
-1.767461621	RAB2B, member RAS oncogene family
-1.75090716	SRY-box containing gene 6
-1.686951396	zinc finger protein 110
-1.669476593	cDNA sequence D10627