

Supplementary Table 2) TOP3 differentially expressed miRNAs read counts

	LOW					HIGH							CTRL			
$\Delta P63^{\alpha^{bright}}$ (%)	1.66	1.88	2.45	3.43	3.90	15.80	18.39	19.11	20.68	22.55	24.68	33.10				
HS media composition	HS7	HS7	HS3	HS7	HS7	HS7	HS1	HS8	HS8	HS8	HS3	HS8	HS1	HS3	HS7	HS8
miR-3648	1454	2545	2600	2070	4524	1085	2988	854	2070	1086	1646	893	147	112	179	134
miR-4449	1035	1335	1294	912	2089	520	1568	454	1029	596	883	418	36	30	161	102
miR-3940-5p	11477	26663	19765	8064	35548	9930	10666	9128	9339	8393	10246	9482	38	89	15	23