

Figure S1.

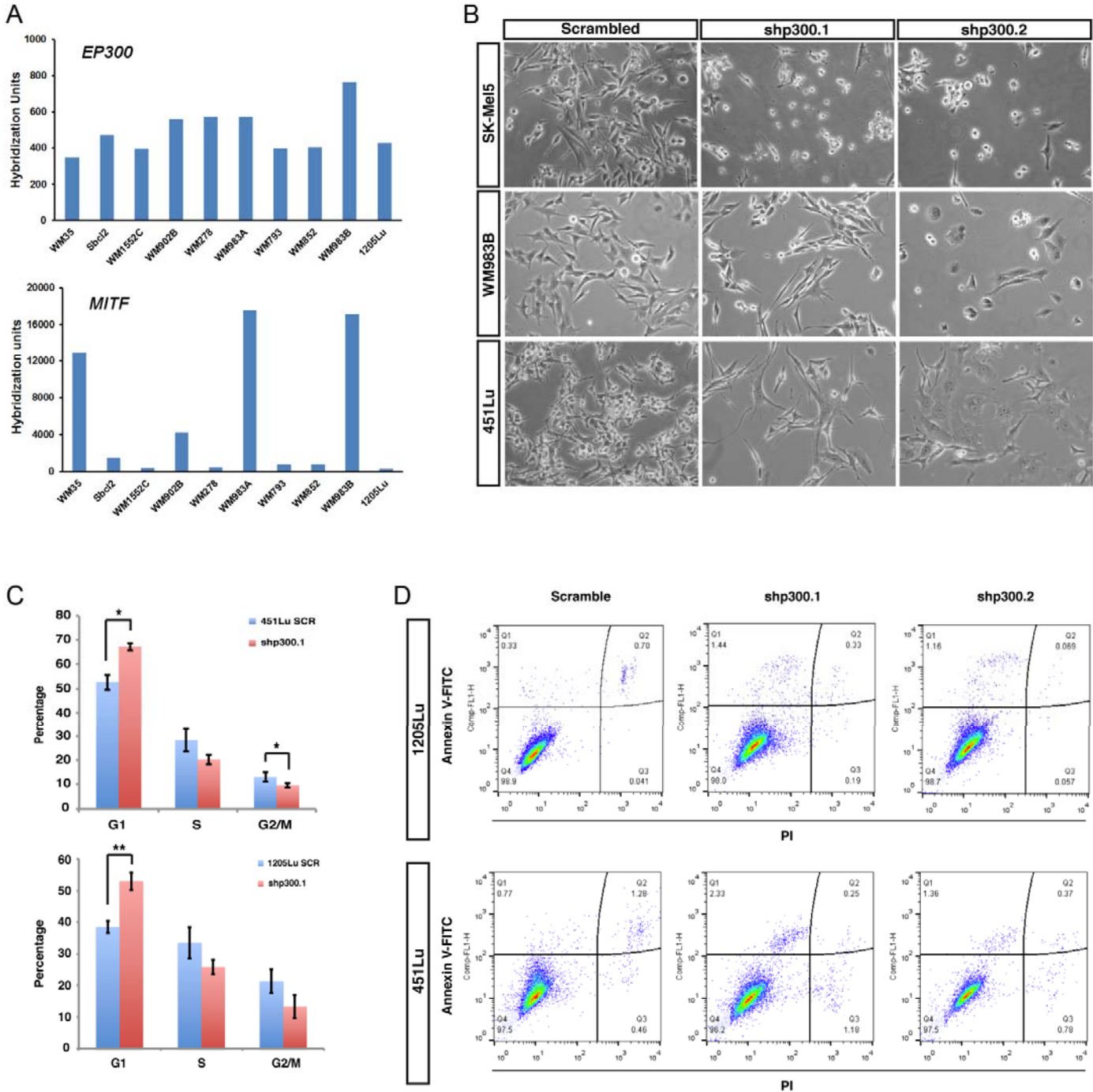
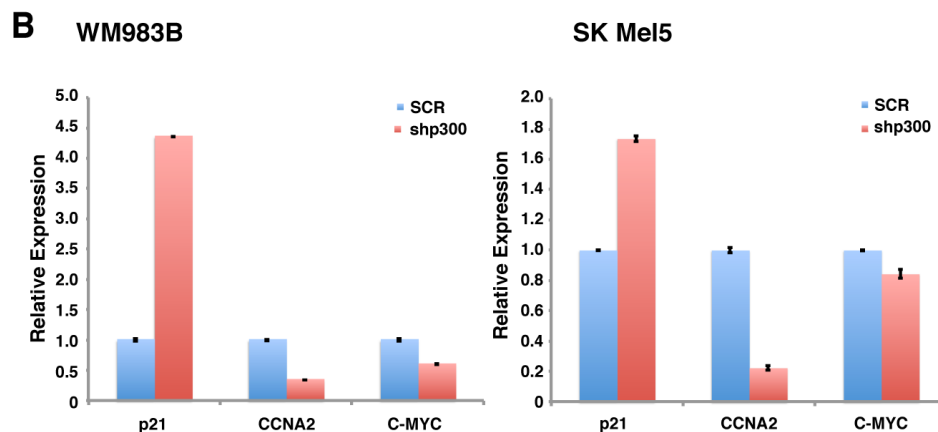
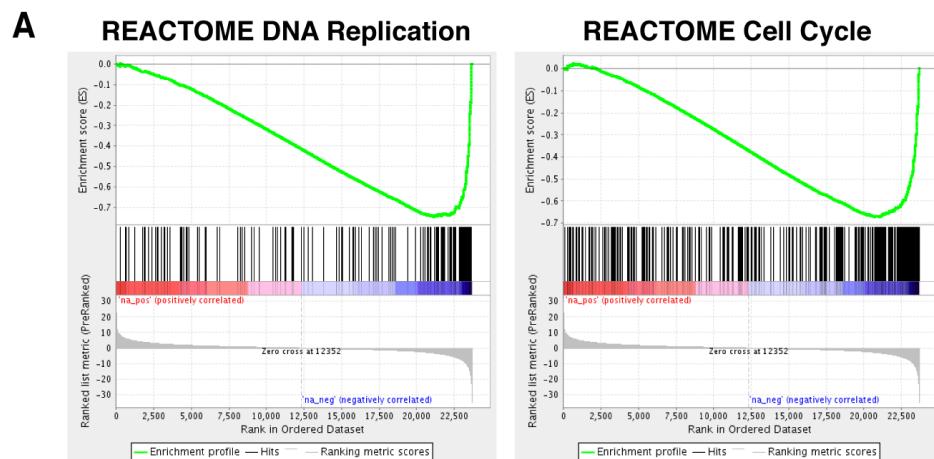


Figure S2.



C

MITF Target Genes

shp300

Log2 fold change
-5 0 5

	SK Mel5	WM983B		SK Mel5	WM983B
AURKB	-3.333	-2.813	MCM4	-3.337	-3.368
BEST1	-3.531	-3.247	MCM5	-3.038	-5.047
BRCA1	-3.439	-5.245	MCM6	-2.542	-3.982
CCNB1	-3.608	-2.127	NCAPD3	-2.124	-2.739
CDCA3	-2.402	-2.599	NUF2	-4.3	-2.513
CDCA8	-2.658	-2.024	ORC6	-3.488	-2.741
CENPF	-3.028	-2.572	PLK1	-4.26	-2.618
CENPH	-3.304	-4.894	POLE2	-3.358	-4.649
CEP55	-3.872	-2.703	RFC5	-2.571	-2.973
DCT	-2.681	-8.525	RPA3	-2.217	-3.107
DSN1	-2.035	-2.829	SEMA6A	-3.726	-2.672
ESPL1	-2.27	-2.622	SLC19A2	-10.235	-4.253
HPGD	-5.574	-3.587	SPAG5	-5.012	-3.06
KIF20A	-3.815	-2.792	SPC25	-3.285	-5.897
KIF4A	-3.322	-2.01	TACC3	-2.625	-2.343
MCM2	-2.114	-3.66	TPX2	-3.319	-2.409
			UBE2C	-2.53	-2.138

Figure S3.

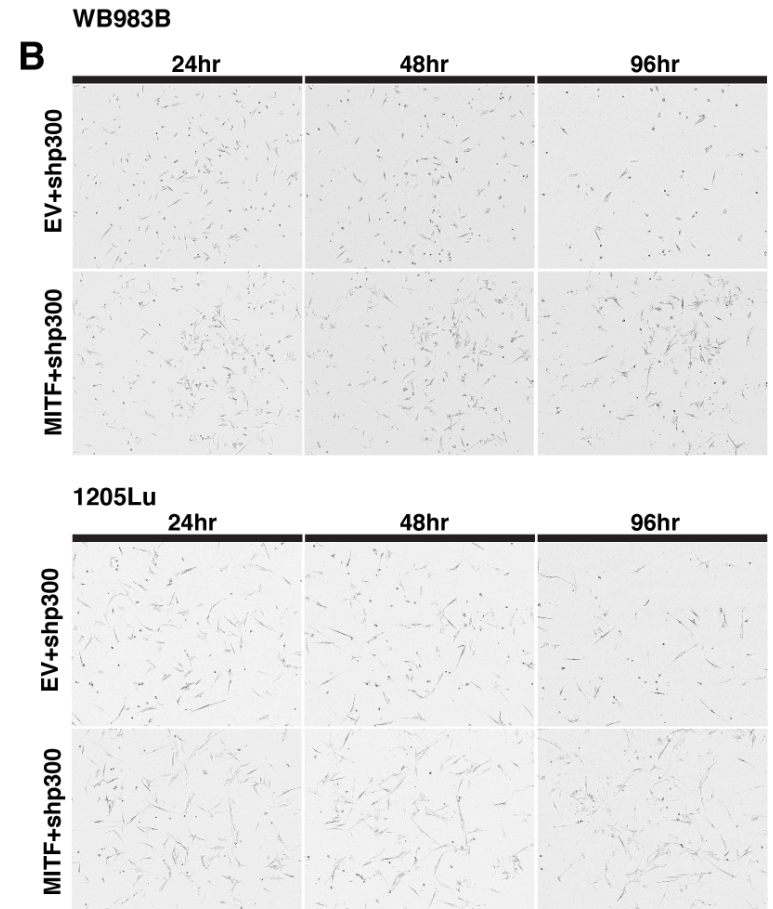
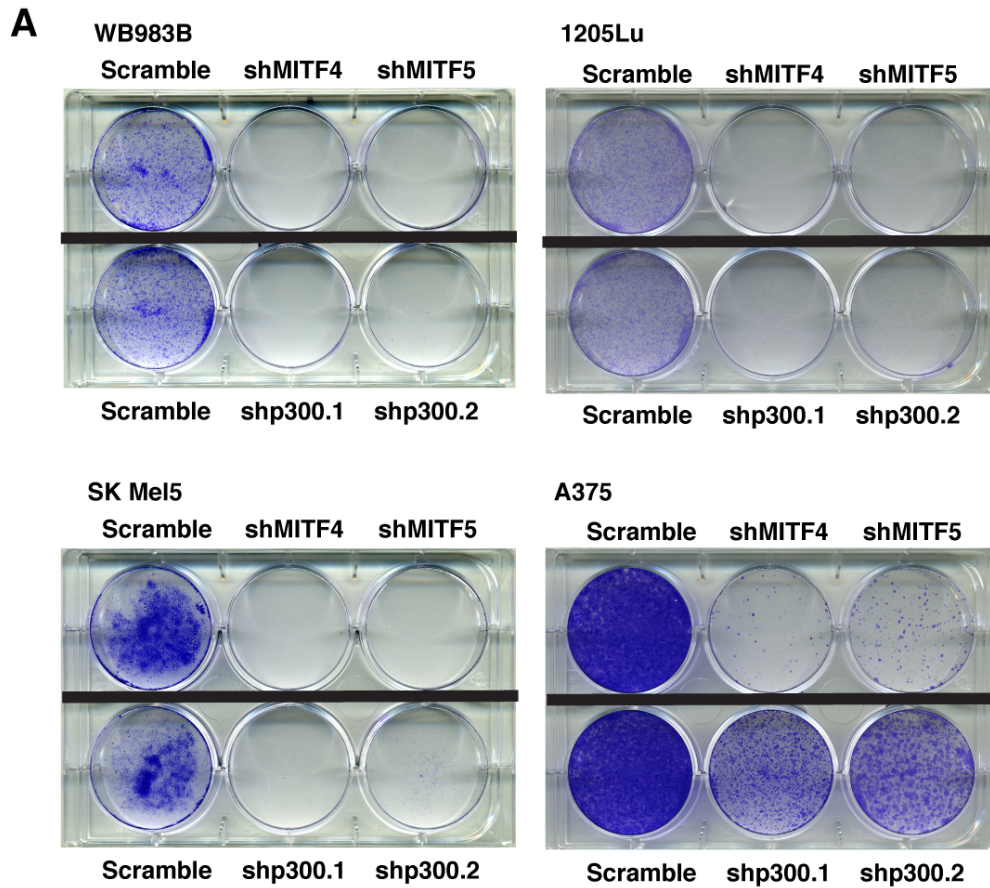


Figure S4

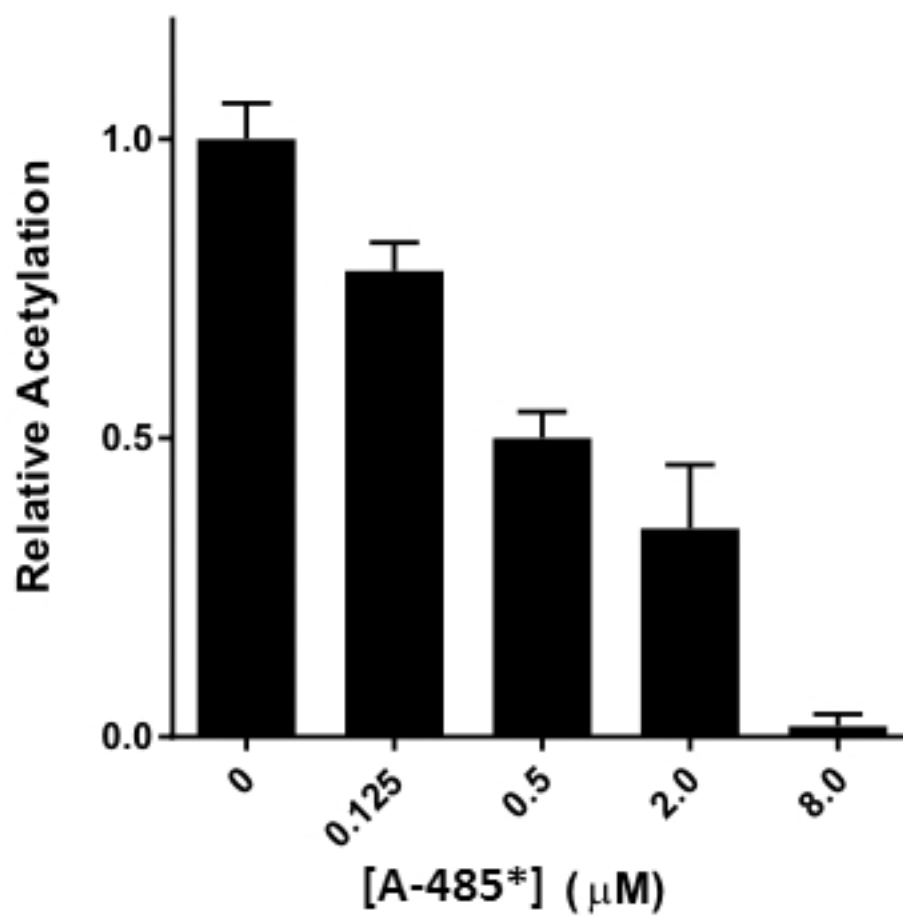
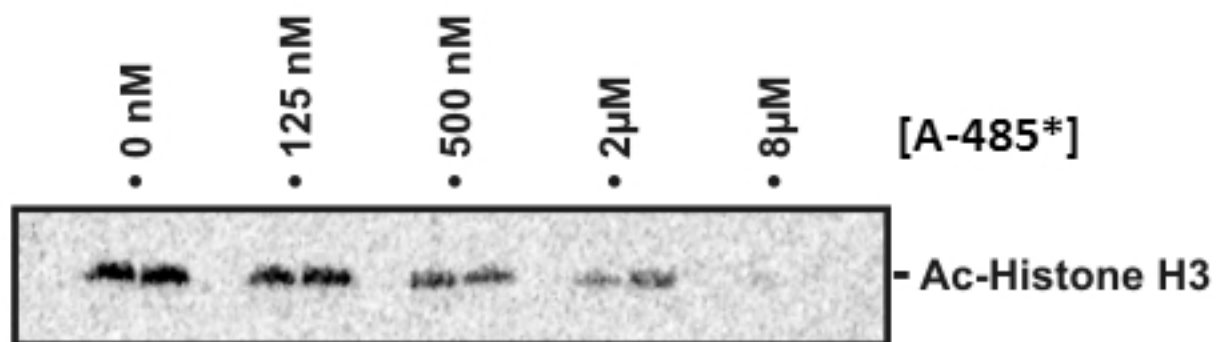


Figure S5

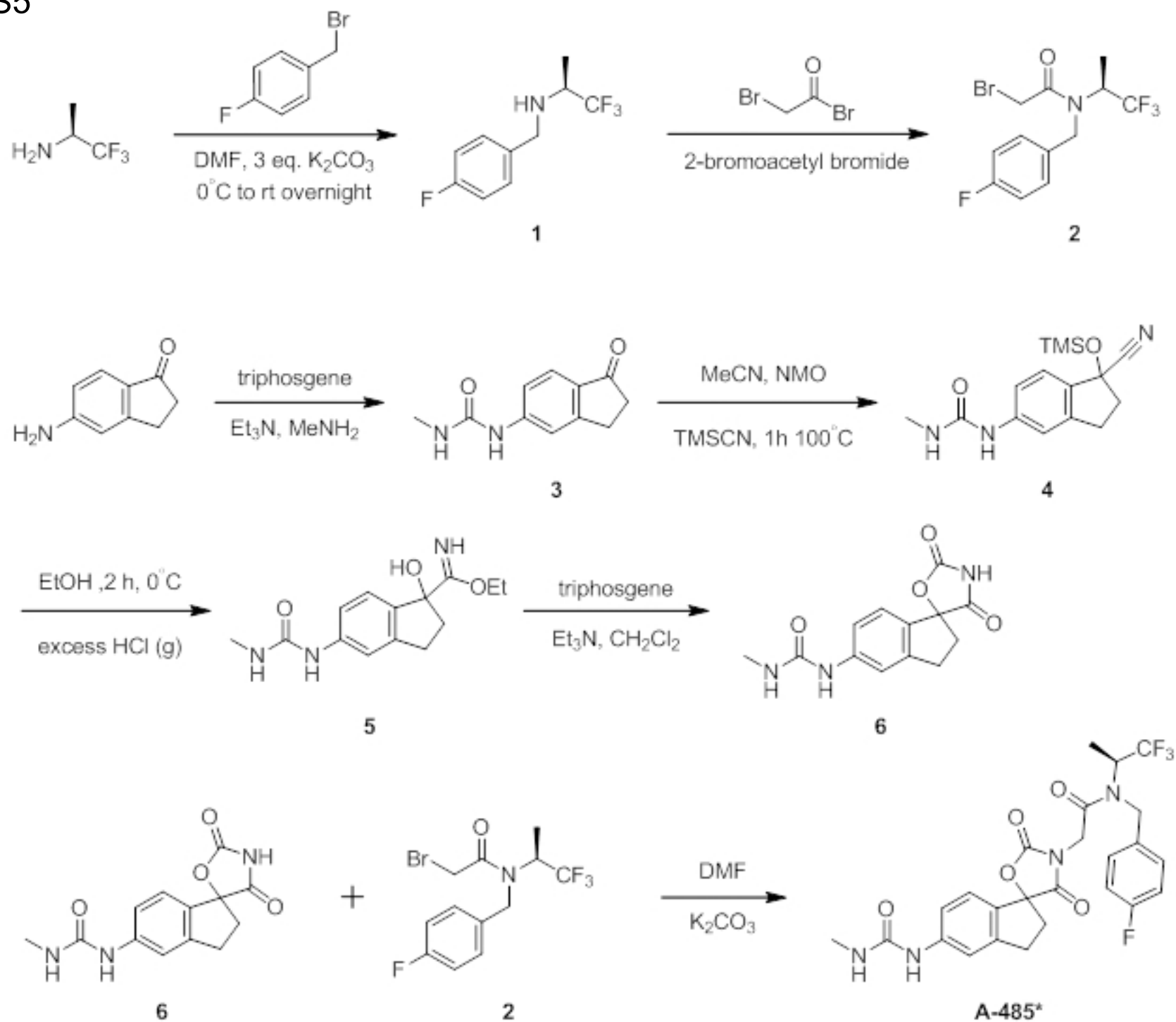


Table S1. ChIP-PCR primer sequences for the characterization of *MITF* gene upstream regulatory region

Primer ID	Forward	Reverse
1	5'-TCTACTAATGTATAATCGTGTGTT-3'	5'-ATGAGATCATGTTTCTAACGG-3'
2	5'-TGCTAAGGCCGTTAGAAAC-3'	5'-GCCCTCATCTCCTAGCATA-3'
3	5'-CTGGATTTGGACTAATTTCTCA-3'	5'-CCAGGTTTAAAGATCCGATG-3'
4	5'-GTTTGGATTGCCAGCTAC-3'	5'-CCAGAGGACACACATCTAT-3'
5	5'-AAAGACCTCACTGACAGT-3'	5'-ATGAGGGCAATGAGTAGTT-3'
6	5'-ACATTCTACTCATTGCCCTC-3'	5'-TTGTCTAAATGCCCAGGATAA-3'
7	5'-ATTGTCAACCTAACGGACT-3'	5'-ATGCTTAATATCTACTGCTGAC-3'
8	5'-TTGTCAGCAGTAGATATTAAGCA-3'	5'-GCTAAACTGTACAAAGCA-3'
9	5'-TGCTTTGTACAGTGTTTAGC-3'	5'-TACAGAAGAATGAGTTATCATATACA-3'
10	5'-ATGATAACTCATTCTTCTGTAATCT-3'	5'-CTGCCTATTGACCTCACA-3'
11	5'-TGTGAGGTCAATAGGCAG-3'	5'-TTTCCATGGCCGAATAAC-3'
12	5'-TCGGCCATTGGAAAAGT-3'	5'-GACGAGCTATCAAAGTCAAAC-3'
13	5'-ATAGCTCGTCACTTAAAAAGG-3'	5'-CGGAACTTTAGCACAGAAG-3'