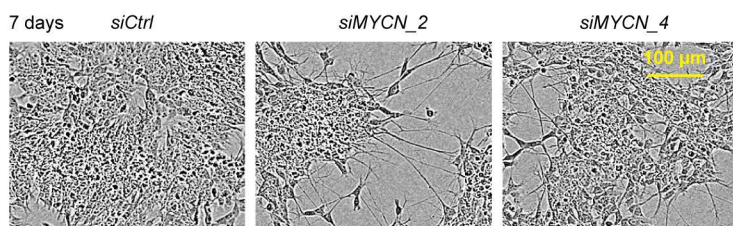


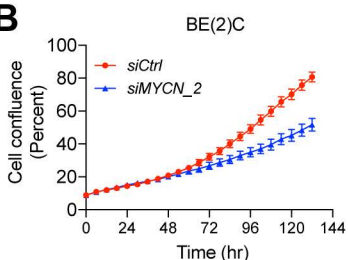
Supplementary Fig. 1

A

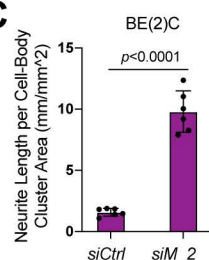
IMR32, 6-well plate



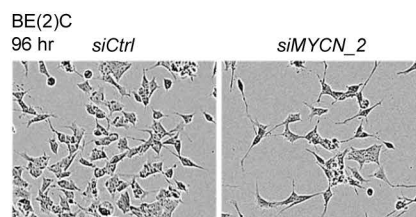
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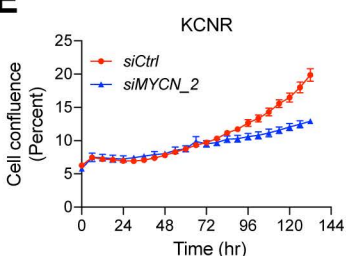
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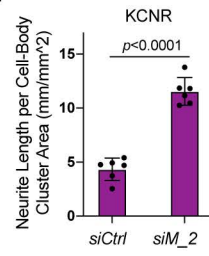
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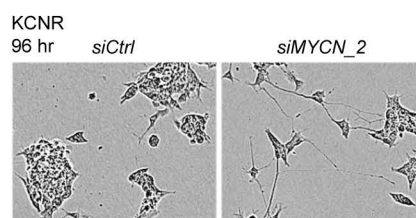
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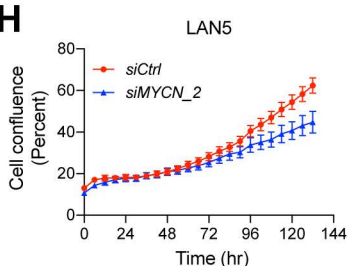
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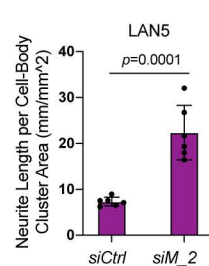
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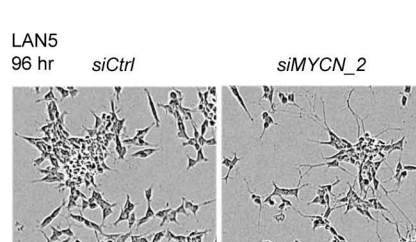
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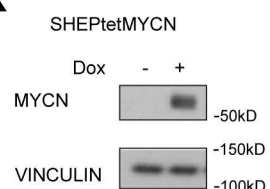
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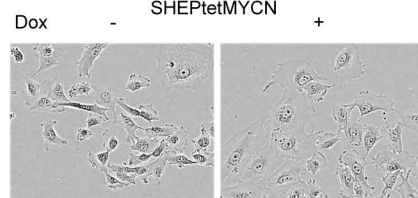
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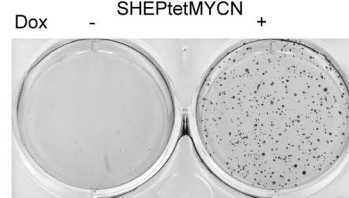
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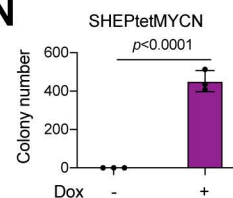
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M

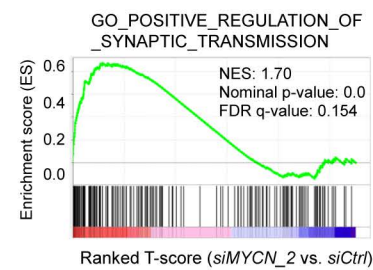
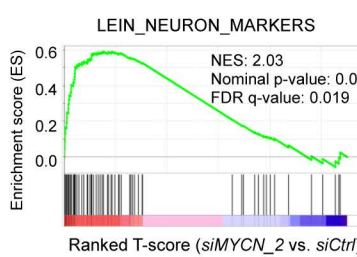
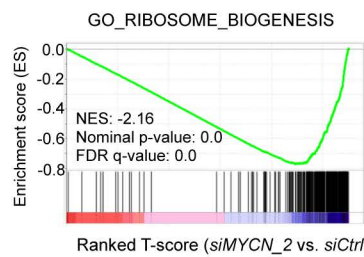
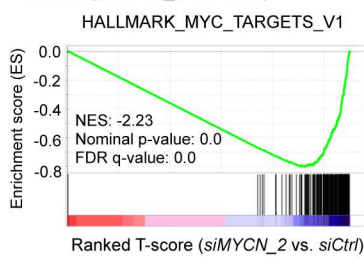


N



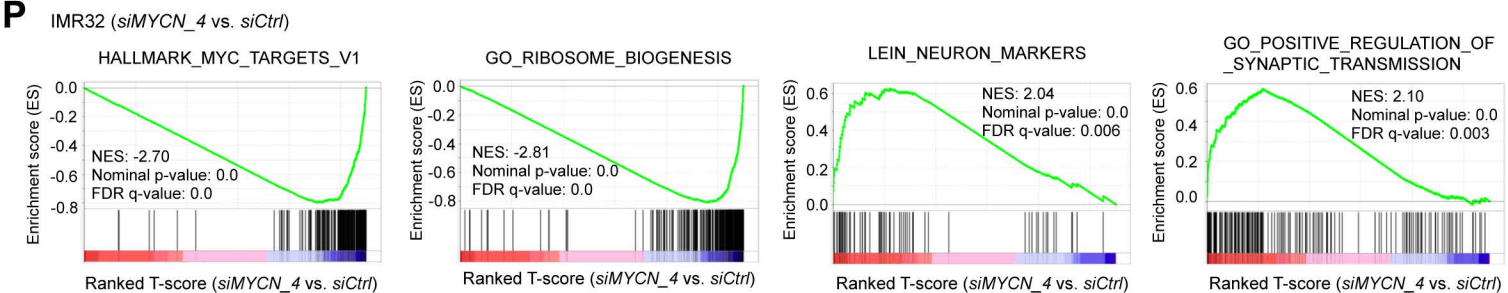
O

IMR32 (siMYCN_2 vs. siCtrl)

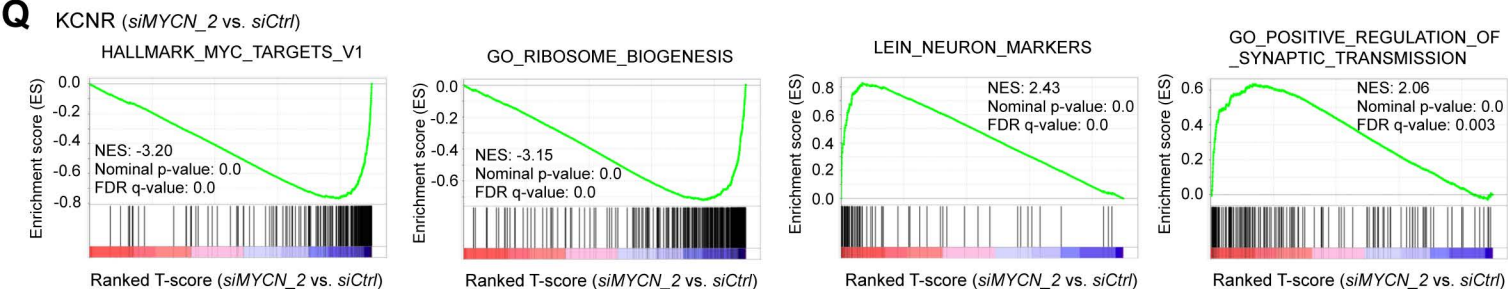


Supplementary Fig. 1 continued

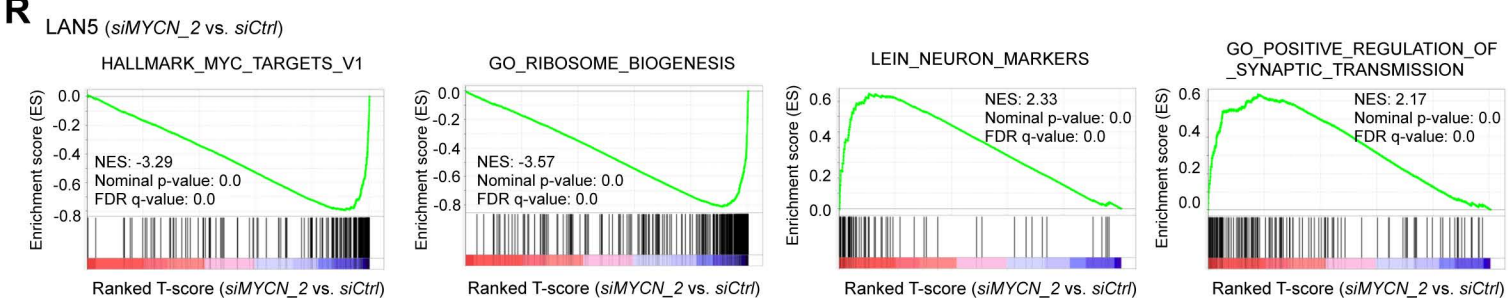
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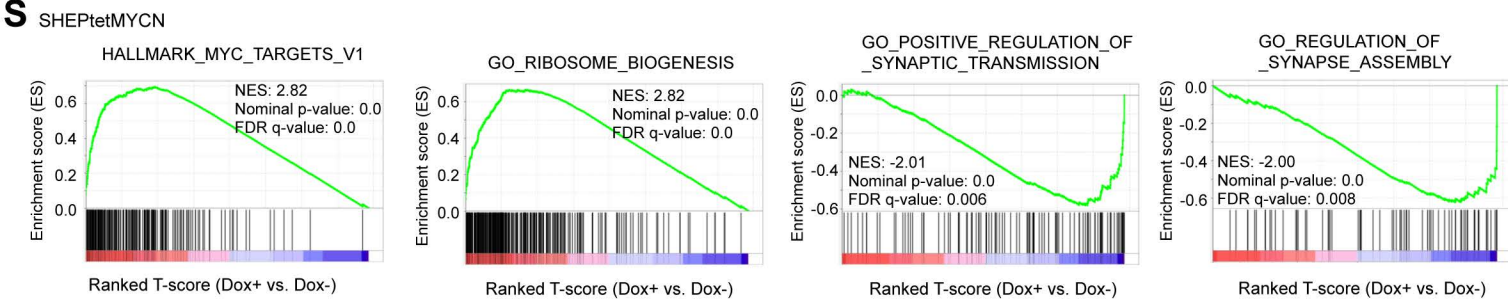
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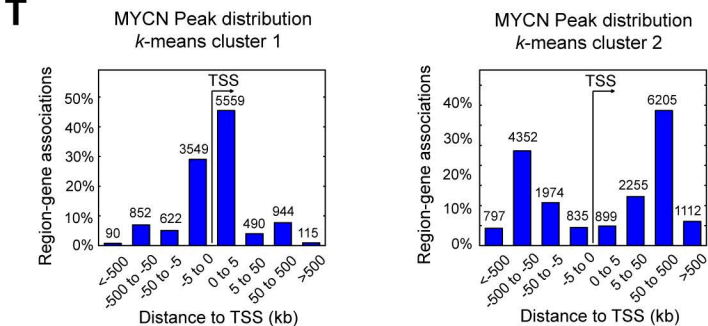
R



S



T



U

BE(2)C Promoters		Distal regulatory regions	
GREAT GO biological process	Binom FDR Q-Val	GREAT GO biological process	Binom FDR Q-Val
ncRNA metabolic process	7.67E-54	Cartilage condensation	9.11E-22
ribonucleoprotein complex biogenesis	7.15E-54	Autonomic nervous system development	2.31E-16
ribosome biogenesis	1.56E-51	Embryonic digit morphogenesis	4.55E-16
ncRNA processing	6.64E-49	Sympathetic nervous system development	1.01E-15
RNA processing	3.55E-47	Noradrenergic neuron differentiation	5.51E-15

Supplementary Fig. 1 continued

V

IMR32

MYCN-bound promoters associated genes up-regulated after MYCN knockdown (<-1.5-fold, q<0.05)

GREAT GO biological process	Binom FDR Q-Val
Pons development	5.65E-6
Response to axon injury	7.76E-4
Axon regeneration	1.25E-3
Endoplasmic reticulum tubular network organization	2.97E-3
Regulation of cardiac muscle contraction by calcium ion signaling	2.69E-3

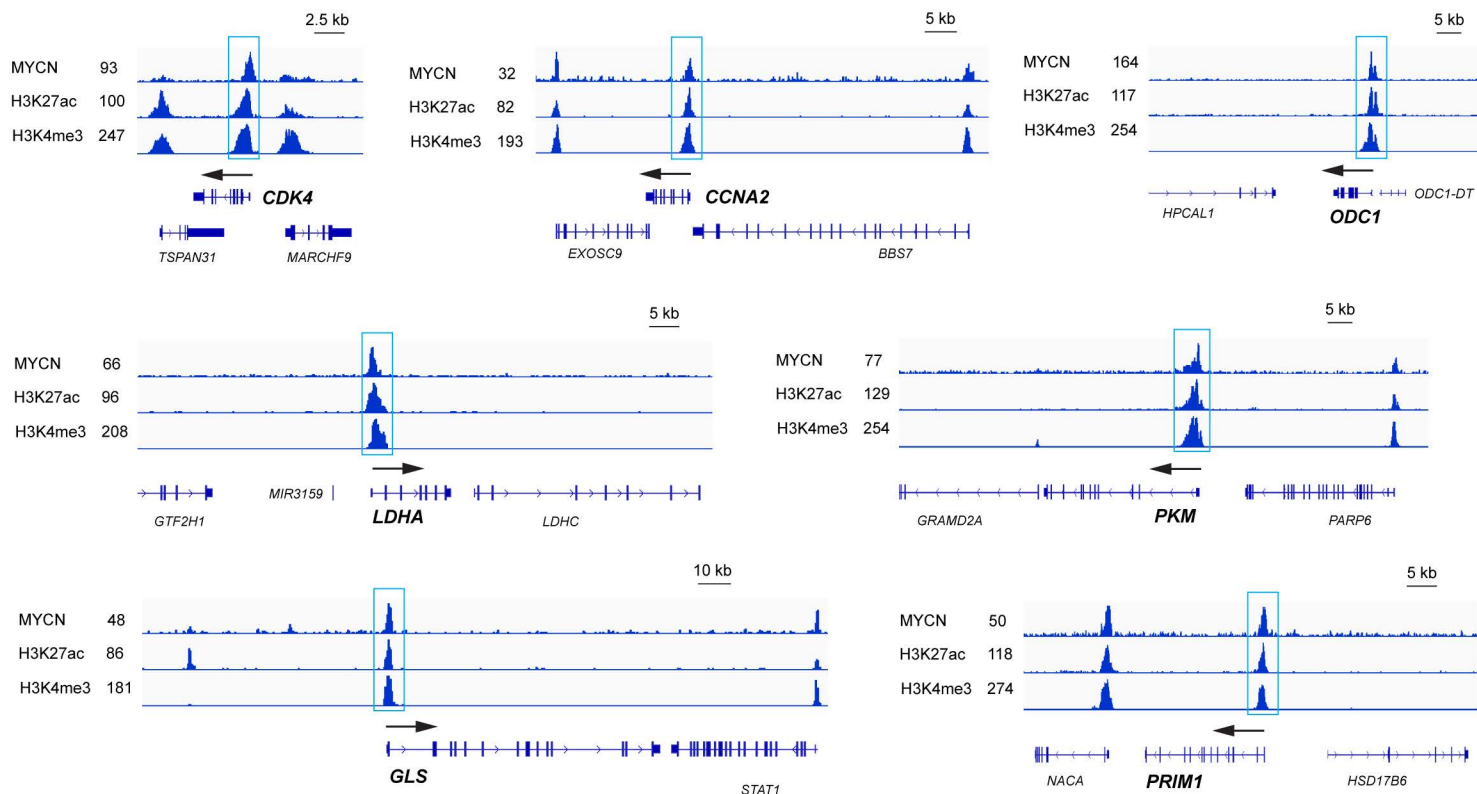
W

IMR32

MYCN-bound enhancers associated genes down-regulated after MYCN knockdown (>1.5-fold, q<0.05)

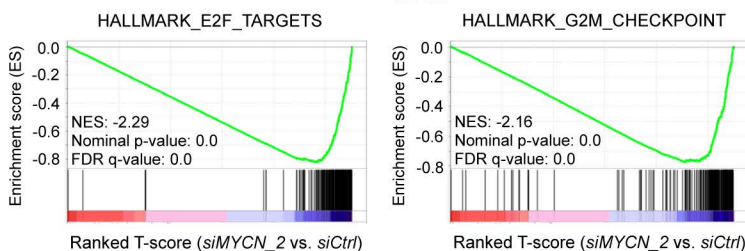
GREAT GO biological process	Binom FDR Q-Val
Chordate embryonic development	3.15E-6
Embryo development ending in birth or egg hatching	3.56E-6

X



Y

IMR32 siMYCN-2_72h



Z

IMR32 siMYCN-2_72h

