SUPPLEMENTAL DATA

Table S1. The identity and characteristics of the genes pulled down by Dnmt3b antibody.

Accession #	Description
Cell matrix/transmembrane protein	
BC054061	Polypeptide N-acetylgalactosaminyltransferase
AK005100	Leucyl/cystinyl aminopeptidase
AF488804	ADAMTS20
NM_017296	Kcnj2, Potassium inwardly-rectifying channel, subfamily J, member 2
Brain /Neuron specific	
BC056366	Nadrin; neuron-specific GTPase activating protein
BC052470	Limb-bud and heart
XM_343205	Synaptotagmin I, may have a regulatory role
U39549	Synaptogyrin
AF465439	Beta I spectrin form betaI sigma3
AK046673	Neutrophil cytosolic factor 2; NADPH oxidase subunit
AF494095	T-cadherin (Cadherin 13)
AB073718	Neural specific DNA binding protein GLI3
Signal- transduction	
AK030036	Serine/threonine-protein kinase ULK1
NM_022958	Phosphatidylinositol 3-kinase
AF042026	Olfactory receptor MOR101-2
NM_053917	Inositol polyphosphate-4-phosphatase, type II
NM_021587	Latent TGF-beta binding protein 1
Cell cycle progression	
XM_573350	Similar to Cell division protein kinase 8 (Protein kinase K35)
AB027128	POLH Polymerase (DNA directed)
Transcriptional regulation	
AK031075	Paired mesoderm homeobox protein 1
AK076283	RNA polymerase B transcription factor 3
XM_225238	Transcription factor AP-2
AF176695	Subunit of RNA polymerase III transcription initiation factor IIIB
AF106698	PPAR gamma coactivator-1
AK025663	Zinc finger protein 291
NM_133422	Zinc finger protein 483

Formaldehyde cross-linked chromatin isolated from NGF-treated cells was first pre-cleared with pre-immune serum and protein A beads followed by immunoprecipitation with affinity purified Dnmt3b antibody. After immunoprecipitation, DNA was de-crosslinked and purified by proteinase K digestion, phenol extraction, and ethanol precipitation. The purified DNA was subjected to end filling/repairing with Klenow and subsequently cloned into the Sma I site of pBlueScript-SK+ to allow blue white color selection. Individual clones were identified by automated sequencing and database analysis.