Supplementary Table 6: Primers for qPCR

Gene	**Forward**	**Reverse**
ActinB	AAGGCCAACCGTGAAAAGAT	GTGGTACGACCAGAGGCATAC
Bdnf	GATGCCGCAAACATGTCTATGA	TAATACTGTCACACACGCTCAGCTC
c-Fos	GGGAGGACCTTACCTGTTCG	AGGCCAGATGTGGATGCTT
Egr1	CCTATGAGCACCTGACCACA	TCGTTTGGCTGGGATAACTC
FosB	CGAGAAGAGACACTTACCCCA	GTTTCCGCCTGAAGTCGATCT
Gad67	GCTTGTGCCCCTCTGGTA	AGATGGCCTAGATGTGTCAGC
Igf1	TGGATGCTCTTCAGTTCGTG	GCAACACTCATCCACAATGC
Nptx2	AGAGGGTGACTGAGCTGGAG	CTTCTTGATCTTGCCATACAGGT
Nrn1	GTTTTGATCATTTCCACTGCAC	CCCACACTCTTGTGTTTTCG
Npas4	AGGGTTTGCTGATGAGTTGC	CCCCTCCACTTCCATCTTC
Pvalb	GGCAAGATTGGGGTTGAAG	AGCAGTCAGCGCCACTTAG
Sst	CAGCTGAGCAGGACGAGAT	TTGCTGGGTTCGAGTTGG
Tubb3	CGACAATGAAGCCCTCTACGAC	ATGGTGGCAGACACAAGGTGGTTG
VGlut1	CCCCCAAATCCTTGCACT	CAAATGGCCACTGAGAAACC
Vip	AACTACACCCGCCTCAGAAA	AAAGTCTGCAGAATCTCCCTCA

Supplementary Table 7: Primers used for cloning of riboprobes

Restriction sites used for cloning are underlined

Gene	**Forward**	**Reverse**
Igf1	ACTTCTCGAGGATAAAGATACACATCATGTCGTC	AGAGGCGGCCGCCTATACTTAGGTTACATACTAAC
Gad67 (Gad1)	AGCACTCGAGCTGCTCGTTACAAGTACTTCC	AAGCGCGGCCGCCATCTGACATACAGCCTGAG
Pvalb	CCAACTCGAGGGATGTCGATGACAGACGTG	TCAGGCGGCCGCTCACAGCAAAGTCAAAAGCAA
Sst	GTCGCTCGAGCCTGAGGACCTGCGACTAGA	AATTGCGGCCGCAGGGTCAAGTTGAGCATCG
Vip	ATAACTCGAGACATCAATTTTCCTCGATTGC	AGACGCGGCCGCCCTTCCCTAGAGCAGAACTTC

Supplementary Table 8: AAV stocks and uses

Construct	Packaging	Titer	Produced by	Experiments
pAAV-shLuc-hUbc-Flex-EGFP	AAV 2/1	$1.2x10^{12}$ /ml	UNC Viral Core	Sparse infection upon P14/15 injection into visual Ctx
pAAV-shIgf1-1-hUbc-Flex-EGFP	AAV 2/1	$7.3x10^{11}$ /ml	UNC Viral Core	Sparse infection upon P14/15 injection into visual Ctx
pAAV-shIgf1-1-hUbc-Flex-EGFP	AAV 2/1	$1.4x10^{12}$ /ml	UNC Viral Core	Sparse infection upon P14/15 injection into visual Ctx
pAAV-shLuc-hUbc-Flex-EGFP	AAV 2/9	$1.8x10^{12}$ /ml	UNC Viral Core	P3 intracortical injection P18-20 bilateral injections into visual Ctx for MD experiments
pAAV-shIgf1-1-hUbc-Flex-EGFP	AAV 2/9	$1.4x10^{12}$ /ml	UNC Viral Core	P3 intracortical injection P18-20 bilateral injections into visual Ctx for MD experiments
pAAV-shIgf1-1-hUbc-Flex-EGFP	AAV 2/9	$2.4x10^{12}$ /ml	UNC Viral Core	P3 intracortical injection
pAAV-hUbc-Flex-SSHAIgf1.4Myc-F2A-EGFP	AAV 2/9	$2.2x10^{15}$ gc/ml	CHB Viral Core	P3 intracortical injection
pAAV-hUbc-Flex-F2A-EGFP	AAV 2/9	$7.8x10^{14}$ gc/ml	CHB Viral Core	P3 intracortical injection