Supplementary Information Titles

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Journal: Nature Neuroscience

Article Title:	Experience-dependent expression of miR132 regulates ocular dominance plasticity.
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Supplementary Item & Number	Title or Caption
Supplementary Figure 1	Visual stimulation increases Lys4 dimethylation of Histone H3 in critical period mice.
Supplementary Figure 2	c-fos staining is increased by visual stimulation in the visual cortex of P27 mice.
Supplementary Figure 3	Specificity of ChIP experiments.
Supplementary Figure 4	Enhancement of pri-miR132 light induced expression by TSA treatment in adult mice.
Supplementary Figure 5	MD causes decrease in p(Ser10) Ac(Lys14) H3 on specific CRE loci in the visual cortex of juvenile mice.
Supplementary Figure 6	MiR132 mimic treatment <i>in vitro</i> .
Supplementary Figure 7	<i>In vivo</i> effect of miR132 mimic infusion in the visual cortex of MD critical period mice.
Supplementary Figure 8	Three days miR132 mimic treatment increases the fraction of mushroom/stubby spines.

Supplementary Figure 9	Mature miR132 levels after miR132 mimic or control miR infusion in the visual cortex of MD critical period mice.
Supplementary Figure 10	MiRNA mimic treatment does not affect functional properties of visual cortical neurons.
Supplementary Methods	Supplementary Methods