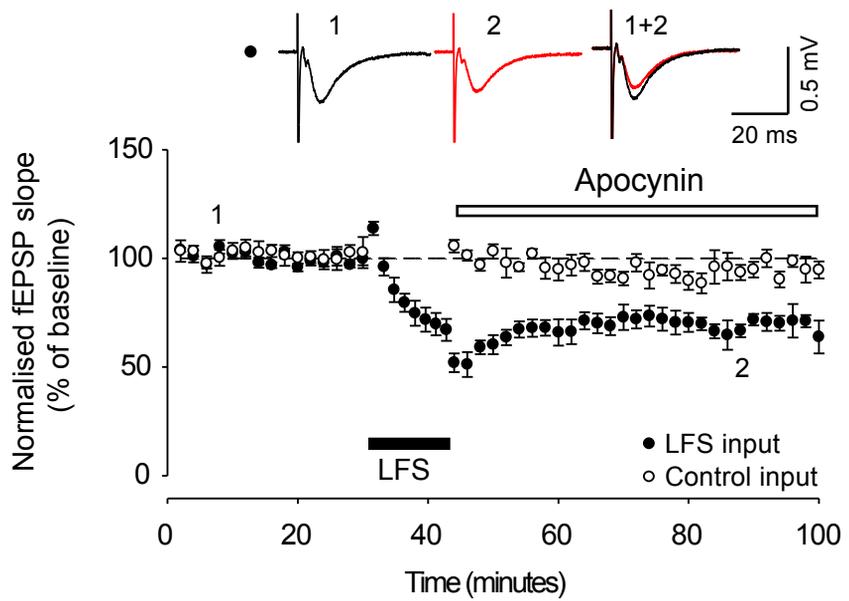
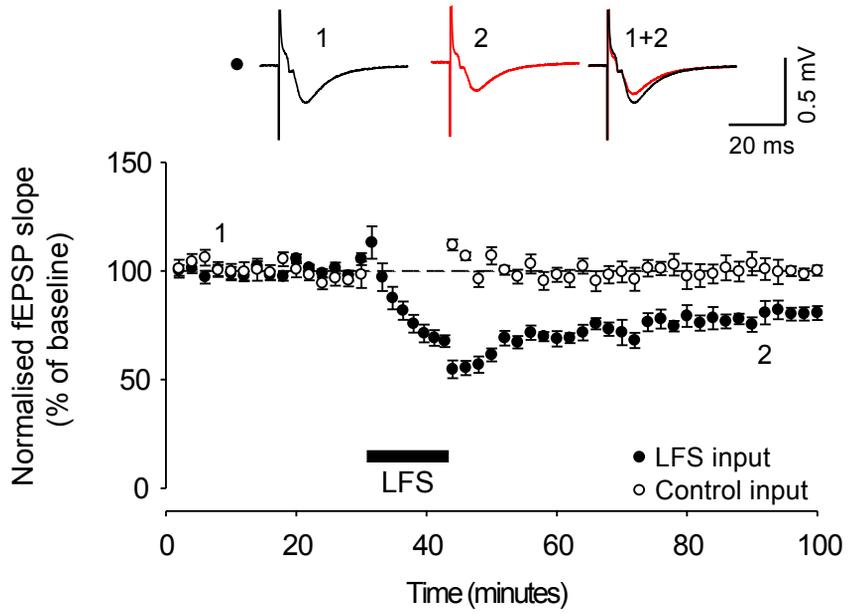
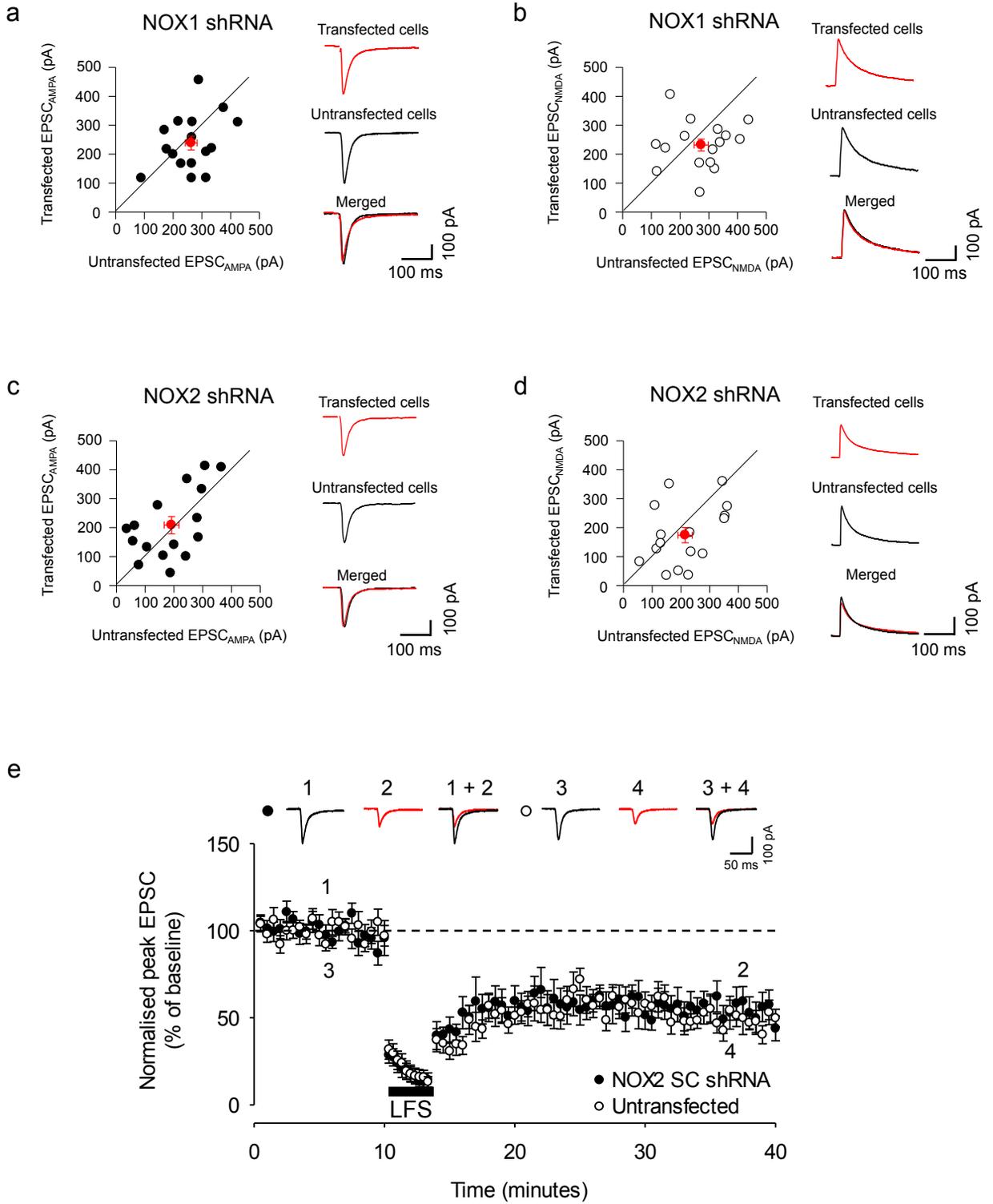


Supplementary Figure 1

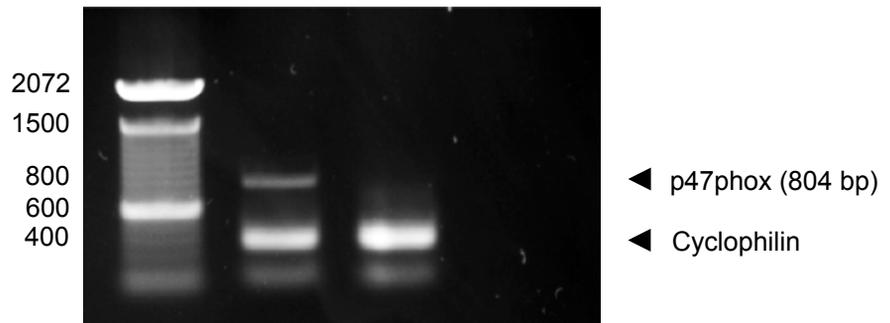


Supplementary Figure 2

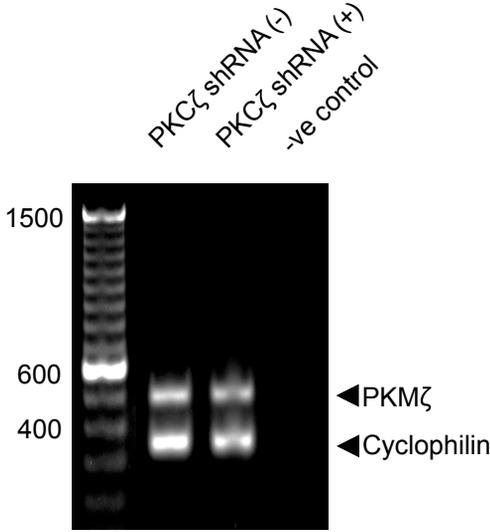
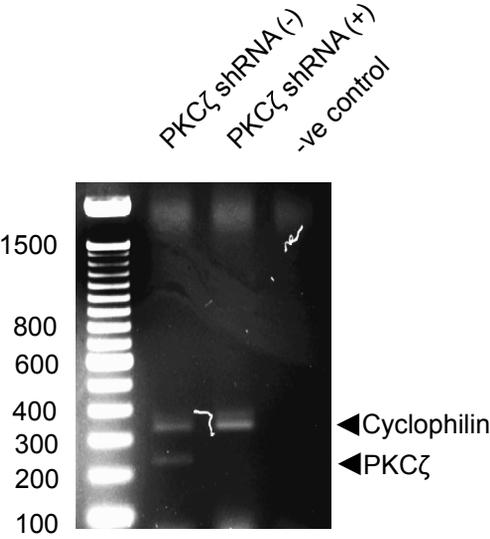


Supplementary Figure 3

p47phox shRNA	-	+	-
-ve Control (no template)	-	-	+



Supplementary Figure 4



Supplementary Figure Legends

Supplementary Fig. 1. Bath perfusion of apocynin after LTD induction has no effect on LTD expression (control: n = 7; apocynin: n = 6).

Supplementary Fig. 2. Transfection of NOX1 shRNA has no effect on EPSC_{AMPA} (a) and EPSC_{NMDA} (b) compared to neighbouring untransfected neurons (n = 16 pairs). Transfection of NOX2 shRNA has no effect on EPSC_{AMPA} (c) and EPSC_{NMDA} (d) compared to neighbouring untransfected neurons (n = 16 pairs). Individual data points represent individual pairs of neurons. Red circles represent mean \pm SEM. Representative single traces are provided inset. (e) LTD is induced in neurons transfected with scrambled NOX2 shRNA (n = 10) and untransfected cells (n = 10).

Supplementary Fig. 3. Single cell PCR assay demonstrating efficient knockdown p47Phox shRNA.

Supplementary Fig. 4. Single cell PCR assays demonstrate efficient and selective knockdown of PKC ζ (left) with PKC ζ shRNA, and this has no effect on PKM ζ (right).