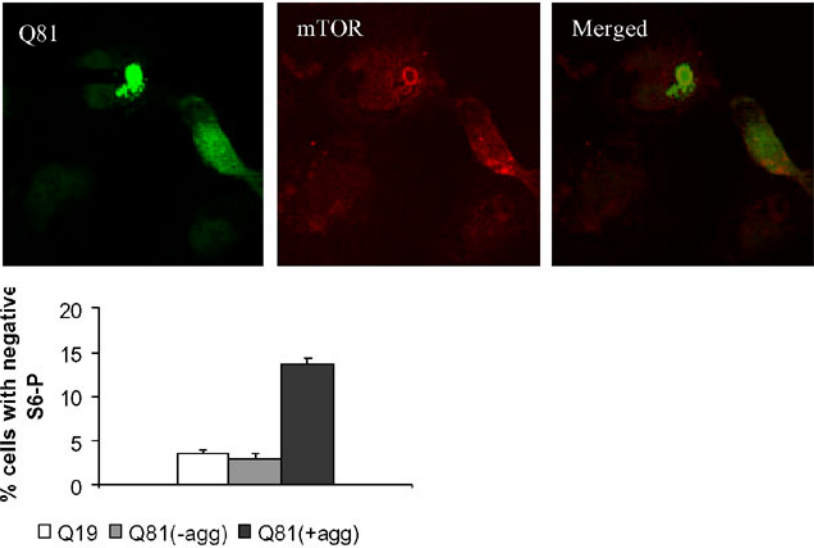


Figure 5



Supplementary figure 5

Aggregates of isolated polyglutamines sequester mTOR.

COS-7 cells transiently transfected for 48h with EGFP tagged to 81 isolated polyglutamines (Q81) (green) and immunostained with anti-mTOR antibody (red) show colocalisation of Q81 aggregates with mTOR (top panel). Staining of Q19- (EGFP-tagged to 19 isolated polyglutamines) or Q81-expressing COS-7 cells with anti-phospho-S6 (S6-P) antibody, and subsequent quantitation of cells with negative staining for S6-P revealed that significant numbers of Q81-expressing cells with aggregates had no S6-P immunoreactivity (bottom panel).