

Supplementary Figure 1 – Immunohistochemistry of YAP1 expression in various cores of control normal human tissue. YAP1 staining varies in pattern and distribution among the different tissue cores (50X magnification for all panels).

Supplementary Figure 2 – Knockdown of YAP1 by siRNA transfection decreases YAP1 mRNA levels in SF1335 meningioma cells. (A) Quantitative RT-PCR analysis of *YAP1* transcript in meningioma cells (SF1335). (B) Representative diagram of YAP1 siRNA transfection time points followed by wound-healing assay.

Supplementary Figure 3 – YAP1 protein expression and nuclear localization in meningioma cells. (A) EGFP fluorescence of meningioma cells transfected with either pEGFP-N2-YAP1 or empty vector (pEGFP-N2). (B) YAP1 immunofluorescence staining using the YAP1 polyclonal antibody to demonstrate the nuclear localization of YAP1 in meningioma cells. Nuclei were counterstained with 4,6'-diamidino-2-phenylindole (DAPI). 100X magnification for all panels.

Supplementary Figure 4 – YAP1 overexpression promotes *in vitro* cell proliferation of meningioma cells. Growth curves associated with the expression of YAP1 in non-neoplastic arachnoidal cell (AC1) and in meningioma cells (SF1335, SF4068 and SF6717). Control cells were transfected with empty vector. 10^4 cells were

plated in triplicate in 6-well plates and cells were counted daily using trypan blue.

Averages of individual growth data were calculated and plotted against time (hours).

Supplementary Table 1 – Summary of nuclear YAP1 immunohistochemistry in human meningiomas.