**Description of Additional Supplementary Files** 

Supplementary Data 1. CH-157MN meningioma xenograft single-cell RNA sequencing.

Supplementary Data 2. Merlin-APEX2 proximity-labeling proteomic mass spectrometry in M10G meningioma cells.

Supplementary Data 3. CH-157MN meningioma xenograft bulk RNA sequencing.

Supplementary Data 4. Wnt target gene expression across Merlin-intact human meningiomas.