

Additional file 4

Figure S2. The related protein levels of cell proliferation, migration and invasion were reduced after PVT1 knockdown. **(a-b)** The protein expression of CDK4, CDK6, Ki-67, and PCNA was examined by western blot, and the relative protein expression was shown in histogram normalized to β -actin. **(c-d)** MMP-2 and MMP-9 levels were detected by western blot, and the relative protein expression was shown in histogram normalized to β -actin. **(e-f)** Validation of the relationship between PVT1 and the related protein levels of cell proliferation, migration and invasion through GSE76633 dataset. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$. Error bars indicate mean \pm SD.

