







Supplemental Figure Legends

Supplemental Figure 1. Par-4 is upregulated following inhibition of the PI3K-Akt-mTOR pathway but not the MEK pathway. A, Western blot analysis showing Par-4 expression in SKBR3 cells treated with the indicated drugs for 2 days. B, qPCR analysis showing Par-4 mRNA expression in SKBR3 cells treated with the indicated drugs for 2 days. C, Western blot analysis showing Par-4 expression in BT-474 cells treated with the indicated drugs for 2 days. D, qPCR analysis showing Par-4 mRNA expression in BT-474 cells treated with the indicated drugs for 2 days.

Supplemental Figure 2. Par-4 is a direct target of Foxo transcription factors. A, Western blot analysis of Foxo family members following Akt pathway inhibition in BT-474 cells. B-D, Western blot analysis of BT-474 (B), SKBR3 (C), and MCF-7 (D) cells transfected with Foxo3aTM. E-G, Time-course of Puma mRNA upregulation following 4-OH Tamoxifen treatment in BT-474 (E), SKBR3 (F), or MCF-7 (G) cells stably expressing Foxo3aTM-ER fusion.

Supplemental Figure 3. Par-4 expression does not affect the acute survival of cells following Her2-PI3K-Akt pathway inhibition. A-E, Dose-response curves showing cell viability of control and Par-4 knockout cells following treatment with the indicated drugs for three days. F, Caspase-Glo assay showing caspase-3/7 activity following three days of Lapatinib treatment in control and Par-4 knockout cells.

Supplemental Table 1.

Primers for cloning par-4 promoter		
	Forward	Reverse
Region #1	5'-TAACGGTACCGGAGCAGCGACTAGGAAAAG-3'	5'-TAACAAGCTTCAGGCAATCCCAGGACAG-3'
Region #2	5'-TAACGGTACCTGTAGCCTCCCACAATGATG-3'	5'-TAACAAGCTTAGAAAGTCTCGAACGCTGCT-3'
Region #3	5'-TAACGGTACCTGCCAAGATCTCTCAGCTA-3'	5'-TAACCTCGAGCTGACGCACCTAAGACTGACC-3'
Region #4	5'-TAACGGTACCGCAGCCAAAATTCTGACTCA-3'	5'-TAACAAGCTTTAAGGGAGGCTGGGACATTA-3'
Region #5	5'-TAACGGTACCTTCTTCTCCCTCCCTCCTGT-3'	5'-TAACAAGCTTGGGCTGAGGTGAAAGACAAA-3'
Region #6	5'-TAACGGTACCGGGTCAATCCTCTCTCCTC-3'	5'-TAACAAGCTTGCTTCTCTCTCGATCTGC-3'
Region #7	5'-TAACGGTACCCAACGAGCTCAACAACAACCT-3'	5'-TAACAAGCTTGAGCCATAAGTTGTCTTTCTACCA-3'
Region #8	5'-TAACGGTACCACACGTGCTTTTCAGGCTTC-3'	5'-TAACAAGCTTAACGTTTCGAAAATGCTCCA-3'
Primers for ChIP		
	Forward	Reverse
Region #3	5'-ATGTGCTACCTGGGCAAAC-3'	5'-GAGGCTACAAATGCCAGGTC-3'
Region #6	5'-CAGGAAGGAAGAGGAGGCA-3'	5'-CTCCTCCAGGAAGTCTGTGG-3'
Region #8	5'-GGGATGATTTAGTAACCCACAA-3'	5'-TGCAAACAACCCAAAACAAA-3'
Distal region (~10 kb upstream)	5'-TTCTAAGCAGTGCAGGAGCA-3'	5'-TCTGATGACTCGCCCTCTTT-3'