

Table 1: Quantification Figure 2B normalized by its own tubulin

	BT474	MCF7	TD47	ZR751	SKB3	BT20	MDA468	MDA231	MDA436
complex V	0.84	0.92	1.04	0.96	0.93	0.93	0.81	0.75	0.84
complex III	0.70	0.75	0.83	0.78	0.65	0.70	0.36	0.36	0.48
complex II	1.01	1.02	1.08	1.03	0.90	0.98	0.94	0.91	0.91
complex IV	0.90	0.93	0.85	0.90	0.77	0.80	0.78	0.75	0.77
complex I	0.66	0.72	0.67	0.68	0.58	0.59	0.58	0.44	0.57
cytochrome C	0.61	0.70	0.75	0.58	0.65	0.66	0.74	0.74	0.78
SCO2	0.87	0.90	0.62	0.89	0.57	0.27	0.91	0.91	0.90

Table 2: Quantification Figure 2C normalized by its own tubulin

	BT474	MCF7	TD47	ZR751	SKB3	BT20	MDA468	MDA231	MDA436
PDH	0.23	0.22	0.83	0.76	0.76	0.78	1.02	0.86	0.81
HDK1	0.87	0.89	0.77	0.73	0.72	0.71	0.78	0.82	0.96
HDKII	0.38	0.43	0.35	0.40	0.44	0.54	0.71	0.81	0.72
Glut1	0.82	0.79	0.90	0.85	0.74	0.77	0.96	0.93	0.87
Glut4	0.94	0.85	0.94	0.85	0.61	0.74	1.01	1.04	1.13
LDH-A	0.78	0.78	0.89	0.85	0.92	0.85	0.82	0.87	0.77
PKM2	0.89	0.89	0.87	0.91	0.94	1.02	0.96	1.07	0.82
AKT-P	0.36	0.36	0.91	0.35	0.36	0.96	1.13	0.35	1.00
AKT-t	0.98	1.05	0.82	0.94	0.90	0.96	1.01	0.97	1.03

Table 3: Quantification Figure 2D normalized by its own GAPDH

	BT474	MCF7	TD47	ZR751	SKB3	BT20	MDA468	MDA231	MDA436
PDK1	0.41	0.38	1.22	1.14	1.33	1.67	1.48	1.49	1.58

Table 4: Quantification Figure 2E normalized by its own tubulin

	BT474	MCF7	TD47	ZR751	SKB3	BT20	MDA468	MDA231	MDA436
AMPK total	0.74	0.83	0.52	0.71	0.76	0.60	0.71	0.89	0.93
AMPK-P	0.26	0.23	1.14	0.23	0.80	0.65	0.93	1.10	1.16
P70S6K total	0.65	0.57	0.40	0.49	0.37	0.27	0.28	0.27	0.27
P70S6K-P	0.86	0.72	0.47	0.70	0.25	0.27	0.31	0.24	0.23

Table 5: Quantification Figure 2F normalized by its own GAPDH

	BT474	MCF7	TD47	ZR751	SKB3	BT20	MDA468	MDA231	MDA436
P70S6K	0.97	0.95	0.92	0.92	0.95	0.99	0.94	0.95	0.91

Table 6: Quantification Figure 3B normalized by its own  $\beta$ -actin

time,h	0	2	4	8	16	24
p70S6K-P	1.01	0.39	0.35	0.31	0.34	0.38

Table 7: Quantification Figure 3C normalized by its own AMPK total

	BT474		MCF7		MDA468		MDA231	
AICAR	0.00	1mM	0.00	1mM	0.00	1mM	0.00	1mM
	0.66	1.05	0.55	1.02	0.74	1.05	0.74	0.92

Table 8: Quantification Figure 3D normalized by its own  $\beta$ -actin

	MDA468	MDA468-p70S6K	MDA468-vector
P70S6K-P	1.3	1.42	1
P70S6K-total	0.61	0.69	0.72

Table 9: Quantification Figure 3E normalized by its own  $\beta$ -actin

	shRNAFF3	BT474	shRNAD7	shRNAB8
p70S6K	0.92	0.90	0.70	0.65

Table 10: Quantification Figure 4A normalized by its own  $\beta$ -actin

Herceptin	-	+	-	-	-	+	+	+
4-HOT	-	-	+	-	+	+	-	+
RU486	-	-	-	+	+	-	+	+
AMPK-P	0.89	1.52	1.11	1.11	1.01	1.38	1.53	1.50
AMPK total	1.29	1.62	1.37	1.16	1.08	1.33	1.23	1.26
p70S6K-P	1.32	1.28	1.18	1.17	1.07	1.08	1.07	1.06
p70S6K total	1.24	1.29	1.24	1.12	1.08	1.20	1.22	1.25

Table 11: Quantification Figure 6B normalized by its own  $\beta$ -actin

	MCF7			MDA436		
	control	HKII siRNA	control shRNA	control	HKII siRNA	control shRNA
HKII	0.98	0.15	0.94	1.37	0.17	1.28

Table 12: Quantification Figure S3D normalized by its own  $\beta$ -actin

	BT474	BT20	MDA468	MDA231	MDA436
GPX1	0.51	0.80	0.80	0.94	0.89