

Refeeding-associated AMPK_{γ1} complex activity is a hallmark of health and longevity

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SI data table 1: Sample sizes relative to Figure 6a-e and ext. data figure 7b-f

Organ	Gender	20-29y	30-39y	40-49y	50-59y	60-69y	70-79y
SAT	Male	34	42	61	143	147	13
	Female	18	15	41	68	67	8
BLOOD	Male	45	47	68	158	167	16
	Females	23	21	44	76	82	7
MUSCLE	Male	45	48	73	172	185	20
	Females	22	17	51	83	79	8
LIVER	Male	4	13	24	60	56	3
	Females	3	3	11	23	23	2
HEART	Male	12	17	44	107	104	10
	Females	10	9	22	47	46	4

SI data table 2: List of primers, sgRNA, and ssDNA.

Killifish Real-time qPCR primers list		
Name	Forward	Reverse
<i>Eif3c</i>	ggttaccagcagaagcagtc	tgttgaggaatgaagacgacg
<i>Fasn</i>	cgacgcacacgatgtctacaa	gtccactccagcttccact
<i>Sreb1</i>	gcatctccaccagaacttcag	gccagctatgagacgattgttt
<i>Acaca</i>	tccagtacctctcgacacc	gccagatcaaagaagccactctgcc
<i>Scd1</i>	cgctgacccccacaacgccaggc	ctgagctctagcttgcccc
<i>Acly</i>	ggagagattgggggcacagagg	cgaggtgaacatggtggcac
<i>Hspa5</i>	ctctgacaaaagacaatcacctgc	caaaggtcacttcaatttgagga
<i>Igf1r</i>	gacgaactgccaccatacgc	cagacgctgccactgacac
<i>Pck1</i>	gagttctggcagaaagaggtg	cgtggtgggcaggtcactg
<i>Pdk2</i>	tcctaaaccaagtaccctccc	gcgactccatccaagcactct
<i>Ppara</i>	agcagaggaaggctgaagc	catattttaggagagtcacctg
<i>Prkag1</i>	tccaggtgaagaaggcgttc	aaggagacttgtagtagcgatg
<i>Prkag2</i>	gtttgatgtgattaacctggctg	ctattctatccacgatagtttc
Humans Real-time qPCR primers list		
<i>b-Actin</i>	ctcttcagccttccttct	agcactgtgttggcgtacag
<i>Prkag1</i>	gtatcactgtctgacatctgc	ccctcaagtttcatctgattccc
<i>Prkag2</i>	caagccctgatcctcacaccagc	tacattcttaaccacttcgagcc
Ubi:γ ₁ (R70Q) cloning primers list		
5' part <i>Prkag1</i> mRNA	ctatagggcgaattgggtacgtacatgtaccc atacgaatgttcagattacgtggaggtggaga gtgtattccagtaactattg	acaggggctgctgtgtacccgtagaacaag
3' part <i>Prkag1</i> mRNA	ttctaacggggtagcagcgcccctgtgggac	gccgctagatcatcatcgatggtagcttagggcg ccctcttc
Tol-2 mapping primers		
Tol2 Left harm F	gattgcttttcagccccaaa	
Tol2 Right-harm F	aggtgctgtgcattgtggta	
Mapping random 1 R	gtacgagaatcgctgtcctNNNNNNNtagg	
Mapping random 2 R	gtacgagaatcgctgtcctNNNNNNNgtaca	
Mapping random 3 R	gtacgagaatcgctgtcctNNNNNNNaggtg	
Mapping random 4 R	gtacgagaatcgctgtcctNNNNNNNgcata	
Tol2 nested F	gtacgagaatcgctgtcct	
Genotyping		
γ1(R70Q) and <i>Prkag1</i> (-/-) genotyping	gaagacgtgtagggcttccg	cctgttctgtccctccgctc
CRISPR/CAS9 sgRNA and ssDNA		
sgRNA targeting <i>Prkag1</i>	ggtaagagcagcgcccctgtggg	
ssDNA donor	aaggcgttcttctgtcttgtttctaacgggggtacaagcagcgccccttgggacagtaacaagcagtgtttg ttggtgagagcttgtgtcgtttcactgactttctgcataaa	