

**Table S1.** The primer information

Gene name	Primer sequence (5' to 3')	Gene name	Primer sequence (5' to 3')
DIRAS3-F	CCTTCGTCCTGGTCTACTCA	MAPK8IP1-F	GACCGAATCCACTACCAGGC
DIRAS3-R	AATTCCTCCATCGCACAG	MAPK8IP1-R	GTCTGGATCGGAGCTGACTG
FOXO1-F	GCCTGACCCAAGTGAAGACA	NRG1-F	CATCACCTCAGCAGTTCAG
FOXO1-R	CCATTCTGCCATAGCCATTGC	NRG1-R	TCATACTCCTCATCTCCACTATC
CX3CL1-F	GCTGGGCGTCCTTATCACTC	VEGFA-F	ATCGAGTACATCTTCAAGCCAT
CX3CL1-R	TCTCCTGCCATCTTTCGAGG	VEGFA-R	GTGAGGTTTGATCCGCATAATC
MAP1LC3C-F	AGCTGACCATGACCCAGTTC	GRID1-F	TCACAAGCAGATTTCCCCAGC
MAP1LC3C-R	AGGCAGCAAATGTCTCCTG	GRID1-R	GTGTTCTGGTACTCCCGTGTG
FKBP1B-F	TGCTCCAAAATGGGAAGAAGT	DDIT3-F	CTGGAAGCAGCGCATGAAG
FKBP1B-R	GCTGCACCCTCTTCAAAACC	DDIT3-R	GGTGCAGATTCACCATTCGG
BIRC5-F	CCACCGCATCTCTACATTCAG	SESN2-F	GCCACTCAGAGAAGGTCCAC
BIRC5-R	AAGTCTGGCTCGTTCTCAGT	SESN2-R	CAGGTATGTAGCGGGTGAT
CTSB-F	CCTACAGCGTCTCCAATAGC	ITGA6-F	GAACCTAACGGAGTCTCACAAC
CTSB-R	TAGAGCAGGAAGTCGAATACA	ITGA6-R	ACGCTACAGTTAAGAGTCTGGTAT
FOXO3-F	TCACGCACCAATTCTAACGC	ULK1-F	CTGCCCTGGACGAGATGTTC
FOXO3-R	CACGGCTTGCTTACTGAAGG	ULK1-R	CCGAGAGTCTCCGCTCAATG
CALCOCO2-F	TGAAGAGGGAGAACAGCAGAT	EIF4EBP1-F	GTCGGAACCTCACCTGTGACC
CALCOCO2-R	GATAGGGCATTCTTGATGGAGAG	EIF4EBP1-R	AAACTGTGACTCTTCACCGC
FKBP1A-F	TGTGGGTCAGAGAGCCAAACT	PPP1R15A-F	CTTCCTCTTCCACTCCTGCTA
FKBP1A-R	TAGAAGCTCCACATCGAAGACG	PPP1R15A-R	ATCCTGTATCACTGTCTCATCTT
GAPDH-F	GGTGTGAACCATGAGAAGTATGA	RUNX2-F	CACCACTCACTACCACACCTA
GAPDH-R	GAGTCCTTCCACGATACCAAAG	RUNX2-R	TGACGAAGTGCCATAGTAGAGAT
OCN-F	CACCGAGACACCATGAGAGC	ALP-F	CTGGACCTCGTTGACACCTG
OCN-R	CTGCTTGGACACAAAGGCTGC	ALP-R	TCCGTCACGTTGTTCTCTGTT
COL1A1-F	GAGAGCATGACCGATGGATTC		
COL1A1-R	CTTCTTGAGGTTGCCAGTCTG		