

Supplementary Table 2. PCR primers.

Primer name	Sequence (5'→3')	Product size (bp)
β-actin	β-actin-F1: AGGGAAATCGTGCGTGACAT β-actin-R1: GAACCGCTCATTGCCGATAG	150
Cir- SIRT1-623	Cir- SIRT1-623-F3: GAGCAGGTTGCAGGAATCCA Cir- SIRT1-623-R3: AAAAAAGTATATGGACCTGA	136
Cir- SIRT1-395	Cir- SIRT1-395-F2: TTCAAGTTTGCAAAGGTCCA Cir- SIRT1-395-R2: AATCTGCCACAGTGTCATAT	137
Cir-CTGF-212	Cir-CTGF-212-F1: CTAGAGGAAAACATTAAGCCT Cir-CTGF-212-R2: ACAGGTCTTAGAACAGGCG	116
rno_circ_003172	rno_circ_003172-F2: GTCCACACTCCGGGATGAG rno_circ_003172-R2: AGCTCGTCCTTCACTGCGC	165
rno_circ_002671	rno_circ_002671-F1: CCACCAACAGATTCAGGAA rno_circ_002671-R1: CTCTTGAGTATCTGGTTCTG	129
rno_circ_002276	rno_circ_002276-F1: ACAAGAAGCTTGCTCAGGTC rno_circ_002276-R1: ATGTTCTGTGGCTCCTTGCT	163
rno_circ_001216	rno_circ_001216-F2: GGTGCCTCCAAGGAGGTG rno_circ_001216-R2: ACACACCGCCATGCAGTACTC	171
rno_circ_001215	rno_circ_001215-F2: GCGGTGCCTCCAAGGTTCC rno_circ_001215-R2: ACGGCCTTCTTGTCAGCTTTGG	217
rno_circ_000987	rno_circ_000987-F2: CTGGTGTCAAGTAAGGTATT rno_circ_000987-R2: TGAATAGAAGGGTACATCTG	181
rno_circ_NF1-419	rno_circ_NF1-419-F2: AGTCGAATTTCTACAAGCTTC rno_circ_NF1-419-R3: AGCTTCTCCAAATATCCTCAT	179

Supplementary Table 3. The top 30 possible proteins pulled down by *circNF1-419* were identified using LC-MS in SAMP8-sscircNF1-419 and KM-sscircNF1-419.

NO.	SAMP8-sscircNF1-419			KM-sscircNF1-419		
	Total	% Cov	Accession	Total	% Cov	Accession
1	80.71	56.94	sp Q05193 DYN1_HUMAN	89.04	59.95	sp Q05193 DYN1_HUMAN
2	71.27	25.16	sp Q13813 SPTN1_HUMAN	66.12	51.71	sp P04264 K2C1_HUMAN
3	63.97	40.43	sp O95782 AP2A1_HUMAN	64.24	20.75	sp Q13813 SPTN1_HUMAN
4	63.6	56.52	sp Q16181 SEPT7_HUMAN	62.10	43.09	sp O95782 AP2A1_HUMAN
5	60.07	43.22	sp P63010 AP2B1_HUMAN	60.15	38.53	sp P63010 AP2B1_HUMAN
6	59.00	43.17	sp P04264 K2C1_HUMAN	56.32	47.55	sp Q9NVA2 SEP11_HUMAN
7	50.11	12.94	sp Q01484 ANK2_HUMAN	54.03	14.67	sp P46821 MAP1B_HUMAN
8	48.02	21.15	sp Q01082 SPTB2_HUMAN	54.05	56.98	sp Q16181 SEPT7_HUMAN
9	46.69	55.06	sp Q13885 TBB2A_HUMAN	47.23	41.07	sp P07196 NFL_HUMAN
10	46.51	32.57	sp Q9Y2J2 E41L3_HUMAN	46.93	60.67	sp Q13885 TBB2A_HUMAN
11	48.07	46.85	sp Q9NVA2 SEP11_HUMAN	46.15	51.42	sp P21579 SYT1_HUMAN
12	45.24	48.94	sp P17600 SYN1_HUMAN	42.90	27.60	sp Q9Y2J2 E41L3_HUMAN
13	43.7	14.06	sp P46821 MAP1B_HUMAN	42.82	52.70	sp Q05639 EF1A2_HUMAN
14	40.41	55.51	sp Q05639 EF1A2_HUMAN	42.48	54.47	sp P17600 SYN1_HUMAN
15	39.54	25.98	sp Q96F07 CYFP2_HUMAN	41.19	77.07	sp P63261 ACTG_HUMAN
16	39.17	49.52	sp P78356 PI42B_HUMAN	39.68	12.64	sp Q01484 ANK2_HUMAN
17	38.79	38.47	sp P23246 SFPO_HUMAN	37.45	37.77	sp P11142 HSP7C_HUMAN
18	38.39	44.44	sp Q99719 SEPT5_HUMAN	37.05	40.92	sp P13645 K1C10_HUMAN
19	38.36	47.39	sp P21579 SYT1_HUMAN	36.65	21.21	sp Q96F07 CYFP2_HUMAN
20	38.13	43.96	sp P11142 HSP7C_HUMAN	35.98	48.37	sp Q9UQB8 BAIP2_HUMAN
21	37.39	20.42	sp Q8N4C8 MINK1_HUMAN	34.54	16.58	sp Q01082 SPTB2_HUMAN
22	35.56	23.35	sp P10636 TAU_HUMAN	34.39	53.33	sp Q96CW1 AP2M1_HUMAN
23	35.06	65.07	sp P63261 ACTG_HUMAN	33.85	32.81	sp P23246 SFPO_HUMAN
24	34.20	59.08	sp Q96CW1 AP2M1_HUMAN	32.43	55.28	sp Q99719 SEPT5_HUMAN
25	32.98	10.67	sp P78559 MAP1A_HUMAN	32.32	45.68	sp Q71U36 TBA1A_HUMAN
26	30.79	34.95	sp Q7KZF4 SND1_HUMAN	31.97	16.37	sp Q8N4C8 MINK1_HUMAN
27	30.11	50.28	sp P06576 ATPB_HUMAN	31.79	36.70	sp P61764 STXB1_HUMAN
28	29.88	39.56	sp P61764 STXB1_HUMAN	29.88	39.56	sp P61764 STXB1_HUMAN
29	29.67	49.22	sp Q71U36 TBA1A_HUMAN	29.67	49.22	sp Q71U36 TBA1A_HUMAN
30	29.05	39.78	sp P25705 ATPA_HUMAN	29.05	39.78	sp P25705 ATPA_HUMAN