

Table SI. CircRNAs that mediate cell processes related to DN in patient tissues, animal models and HG concentration-treated cells *in vitro*.

First author, year	circRNA ID^a	Expression/ model	Target miRNAs	Regulated axis	Effects	(Refs.)
Yun, 2021	circRNA_ACTR2	Upregulated in HRMCs + HG treatment and in kidney tissues from patients with DN	miR-205-5p	circ_ACTR2/miR-205-5p/HMGA2	Increases HMGA2 expression, and promotes cell proliferation, inflammation, ECM accumulation and oxidative stress	(69)
Wang, 2021	hsa-circRNA_0037128	Upregulated in HRMCs + HG treatment and in a DN mouse model	miR-17-3p	circRNA_0037128/miR-17-3p/AKT3	Increases AKT3 expression, cell proliferation and fibrosis	(70)

Feng, 2021		Upregulated in renal tubular epithelial HK-2 cells + HG treatment and in kidney tissues of patients with DN	miR-497-5p	circRNA_0037128/miR-497-5p/NFAT-5	Increases NFAT-5 expression, inflammation and fibrosis	(71)
Fang, 2022		Upregulated in podocytes + HG treatment	miR-31-5p	circRNA_0037128/miR-31-5p/KLF9	Increases KLF9 expression, apoptosis, inflammation and oxidative stress	(72)
Tang, 2020	circRNA-AKT3	Downregulated in a mouse MC line (SV40-MES13) + HG treatment, and in db/db mice with DN	miR-296-3p	circRNA_AKT3/miR-296-3p/E-cadherin	Reduces E-cadherin expression, and increases ECM accumulation and apoptosis	(73)

Hu, 2019	circRNA_15698	Upregulated in a MC line (SV40-MES13) + HG treatment, and in a db/db DN mouse model	miR-185	circRNA_15698/miR-185/TGF- β 1	Increases expression of TGF- β 1, promotes ECM protein accumulation and increases MC proliferation	(74)
Mou, 2020	circRNA_0000491	Upregulated in a MC line (SV40-MES13) + HG treatment, and in db/db mice with DN	miR-101b	circRNA_0000491/miR-101b/TGF β RI	Increases TGF β RI expression, ECM accumulation and fibrosis-associated processes	(75)
Bai, 2020	circRNA_DLGAP4	Upregulated in exosomes isolated from rat MCs + HG treatment, in a DN rat model, and in exosomes isolated from human serum samples of	miR-143	circRNA-DLGAP4/miR-143/ERBB3/NF- κ B/MMP2	Promotes cell proliferation and renal fibrosis	(76)

		patients with T2D and DN				
Xu, 2022	circRNA_EIF4G2	Upregulated in rat tubular epithelial NRK-52E cells + HG treatment and in a db/db DN mouse model	miR-218	circRNA-EIF4G2/miR-218/SERBP1	Increases SERBP1 expression, and promotes renal tubular epithelial cell fibrosis	(77)
Yao, 2020	circRNA_0000285	Upregulated in immortalized mouse podocytes + HG treatment and in a DN mouse model	miR-654-3p	circRNA_0000285/miR-654-3p/ MAPK6	Increases MAPK6 expression, and promotes inflammation and apoptosis	(78)
Qiu, 2022	hsa_circRNA_0004442	Upregulated in human MCs + HG treatment, and in the serum of patients with DN	miR-126-5p/miR-204-5p	circRNA_0004442/miR-126-5p/miR-204-5p/AKT/NF-κB	Increases AKT/NF-κB expression, and promotes human MC inflammation and ECM	(79)

					accumulation	
Chen, 2019	circRNA_LRP6	Upregulated in a mouse MC line (SV40-MES13) + HG treatment	miR-205	circRNA_LRP6/miR-205/HMGB1-TLR4/NF- κ B	Increases HMGB1 expression; mediates MC dysfunction; and increases cell proliferation, oxidative stress, ECM accumulation and inflammation	(80)
Feng, 2023	circRNA_0068087	Upregulated in the serum of patients with DN and in renal tubular epithelial HK-2 cells + HG treatment	miR-106a-5p	circRNA_0068087/miR-106a-5p/ROCK2	Increases apoptosis, oxidative stress, inflammation and fibrosis-associated processes	(81)
Zhuang, 2021	circRNA_HIPK3 (hsa_circ_0000284)	Downregulated in renal tubular epithelial HK-2	miR-326/miR-	circRNA_HIPK3/miR-326/miR-487a-3p/SIRT1	Reduces SIRT1 expression, and	(82)

		cells + HG treatment	487a-3p		increases cell proliferation, endothelial cell injury and apoptosis	
Liu, 2021		Upregulated in rat MCs + HG treatment, and in a DN mouse model	miR-185	circRNA-HIPK3/miR-185/ unknown	Promotes cell proliferation and fibrosis by increasing cyclin D1, proliferating cell nuclear antigen, TGF- β 1, ColII and fibronectin	(29)
Liu, 2020	circRNA_0080425	Upregulated in mouse MCs + HG treatment in a mouse DN model	miR-24-3p	circRNA_0080425/miR-24-3p/FGF11	Increases the expression of FGF11, and promotes cell proliferation and fibrosis	(83)
Wang, 2020	circRNA_0123996	Upregulated in MCs +	miR-149-5p	circRNA-0123996/miR-149-	Induces BACH1	(84)

		HG treatment, in mice with DN and in kidney tissues from patients with DN		5p/BACH1	expression, and increases ECM proteins expression, proliferation, and fibrosis in MCs	
Li, 2020	circRNA_WBSCR17	Upregulated in renal tubular HK-2 cells + HG treatment, and in a DN mouse model	miR-185-5p	circRNA_WBSCR17/miR-185-5p/SOX6	Increases SOX6 expression, and promotes inflammatory response, apoptosis and fibrosis	(85)
An, 2020	circRNA_0003928	Upregulated in renal tubular HK-2 cells + HG treatment, and in serum of patients with DN	miR-151-3p	circRNA-0003928/miR-151-3p/ANXA2	Increases ANXA2 expression, and promotes inflammation and apoptosis	(86)
Liu, 2022			miR-506-3p	circRNA-0003928/ miR-506-3p /HDAC4	Increases the expression of	(87)

					HDAC4, and promotes cell proliferation, apoptosis and oxidative stress	
Ge, 2020	hsa_circ_0000064	Upregulated in mouse MC line (SV40-MES13) + HG treatment	miR-143	circRNA_0000064/miR-143/unknown	Promotes cell proliferation and fibrosis-associated processes	(88)
Sun, 2022			miR-30c-5p	circRNA_0000064/miR-30c-5p/LMP7	Increases LMP7 expression, and promotes oxidative stress, inflammation and ECM accumulation	(89)
Wang, 2022		Upregulated in renal tubular HK-2 cells + HG treatment	miR-532-3p	circRNA_0000064/miR-532-3p/ROCK1	Increases the expression of ROCK1, and promotes	(90)

					apoptosis and oxidative stress	
Li, 2022		Upregulated in the serum of patients with DN, and in HRMCs + HG treatment	miR-424-5p	circRNA_0000064/miR-424-5p/WNT2B	Increases WNT2B expression, and promotes cell proliferation, inflammatory responses and ECM accumulation	(91)
Peng, 2021	circRNA_010383	Downregulated in MCs (SV40-MES13) + HG treatment, and in db/db mice with DN	miR-135a	circRNA_010383/miR-135a/TRPC1	Reduces the expression of TRPC1, promoting ECM accumulation in mesangial and renal tubular epithelial cells, and promotes the proliferation of	(92)

					MCs, increasing renal fibrosis	
Wang, 2021	circRNA_LARP4	Downregulated in mouse MCs (SV40-MES13) + HG treatment	miR-424	circRNA_LARP4/miR-424/ unknown	Increases cell proliferation, apoptosis and fibrosis-associated processes	(93)
Sun, 2021	circRNA_FBXW12	Upregulated in human MCs + HG treatment and in the serum of patients with DN	miR-31-5p	circRNA_FBXW12/miR-31-5p/LIN28B	Increases LIN28B expression, and promotes human MC inflammation, cell proliferation, oxidative stress and ECM accumulation	(94)
Wu, 2021	circRNA_SMAD4	Downregulated in mouse MCs (SV40-MES13) + HG treatment, and in a	miR-377-3p	circRNA_SMAD4/miR-377-3p/BMP7	Reduces BMP7 expression, and promotes cell	(95)

		DN mouse model			inflammation, ECM deposition and apoptosis	
Liu, 2021	circRNA_ITCH	Downregulated in rat MCs + HG treatment	miR-33a-5p	circRNA_ITCH/miR-33a-5p/SIRT6	Reduces SIRT6 expression, and promotes inflammation and fibrosis	(96)
Zhao, 2021	circRNA_0000712	Upregulated in mouse MCs (SV40-MES13) + HG treatment and in a db/db DN mouse model	miR-879-5p	circRNA_0000712/miR-879-5p/SOX6	Increases SOX6 expression, and promotes inflammation, apoptosis, oxidative stress and fibrosis	(97)
Zhu, 2022	hsa_circRNA_0125310	Upregulated in exosomes of MCs + HG treatment, in a DN rat model and in patients with DN	miR-422a	circRNA_0125310/miR-422a/IGF1R-p38	Increases IGF1R-p38 expression, and promotes cell proliferation and fibrosis	(98)
Jin, 2022	mmu_circRNA_000030	Downregulated in a DN	miR-188-3p	circRNA_0000309/miR-188-	Reduces GPX4	(99)

	9	mouse model		3p/GPX4	expression, stimulating ferroptosis-dependent mitochondrial damage and podocyte apoptosis	
Chen, 2022	circRNA_000166	Upregulated in renal tubular HK-2 cells + HG treatment and in a db/db DN mouse model	miR-296	circRNA_000166/miR-296/SGLT2	Increases SGLT2 expression, and promotes renal fibrosis and apoptosis	(100)
Wang, 2022	circRNA_0006282	Downregulated in renal tubular cells (HK-2) + HG treatment and in the blood of patients with DN	miR-155	circRNA_0006282/miR-155/SIRT1/NLRP3	Reduces SIRT1/NLRP3 expression and increases inflammation	(101)
Li, 2022	circRNA_0000181 (mmu_circ_0000181)	Upregulated in mouse renal tubular cells and in a DN mouse model	miR-667-5p	circRNA_0000181/miR-667-5p/NLRC4	Increases NLRC4 expression, and promotes	(102)

					inflammasome activation and pyroptosis	
Zhuang, 2023	circRNA_Col1A2	Upregulated in renal tubular cells (HK-2) + HG treatment and in patients with DN	miR-424-5p	circRNA_Col1A2/miR-424-5p/SGK1	Increases SGK1 expression, and promotes oxidative stress and pyroptosis	(103)
Liu, 2023	circRNA_0000953	Downregulated in renal biopsies from patients with DN and in a mouse model of DN	miR-655	circRNA_0000953/miR-665-5p/ATG4B	Regulates podocyte injury, and reduces autophagy in vitro and in vivo	(104)
Rashad, 2021	circRNA_ANKRD36	Upregulated in blood samples of patients with DN	Unknown	Unknown	Increases the expression of the parental gene	(105)
Zhang, 2022	hsa_circRNA_0001831	Upregulated in the peripheral blood of patients with DN	Unknown	Unknown	Unknown	(106)
Zhang, 2022	hsa_circRNA_0000867	Upregulated in the peripheral blood of	Unknown	Unknown	Unknown	(106)

		patients with DN				
Badr, 2023	hsa_circRNA_0000146	Downregulated in the blood samples of patients with DN	miR-21	hsa_circRNA_0000146/miR-21/ unknown	Correlates with increasing expression of CRP/CNR1 and miR-21; potential diagnostic marker	(107)
Badr, 2023	hsa_circRNA_0000072	Downregulated in the blood samples of patients with DN	miR-495	hsa_circRNA_0000072/miR-495/ unknown	Correlates with increasing expression of CRP/CNR1 and miR-495; potential diagnostic marker	(107)

^aCircRNA ID is given by the referenced authors. CircRNA, circular RNA; DN, diabetic nephropathy; miRNA/miR, microRNA; HRMC, human renal MC; MC, mesangial cell; HG, high glucose (≥ 25 mM); ECM, extracellular matrix; T2D, type 2 diabetes.

Table SII. Amino acid sequences of the binding domains of 35 known RNA-binding proteins used to analyze the potential RNA-binding regions of c-Fos and c-Jun.

Sequence ID	Amino acid sequence
>spP52756-98-178	KTIMLRGLPITITESDIREMMESFEGPQPADVRLMKRKTGVSRGFAFVEFYHLQD ATSWMEANQKKLVIQGKHIAMHYSNP
>spP52756-231-315	DTIILRNIA PHTVVDSIMTALSPYASLAVNNIRLIKDKQTQQNRGFAFVQLSSAM DASQLLQILQSLHPPLKIDGKTIGVDFAKS
>spP78332-456-536	RLIRLSGVPE DATKEEILNAFRTPDGMPVKNLQLKEYNTGYDYG YVCVEFSLLE DAIGCMEANQGTLMIQDKEVTLEYVSS
>spP26599-59-143	RVIHIRKLPIDVTEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAANTMVNY YTSVTPVLRGQPIYIQFSNHKELKTDSSPN
>spP26599-184-260	LRIIVENLFYPVTL DVLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVSAQHAKL SLDGQNIYNACCTLRIDFSKL
>spP26599-337-411	SVLLVSNLNPERVTPQSLFILFGVYGDVQRVKILFNK KENALVQMADGNQAQL AMSHLNGHKLHGKPIRITLSKH
>spP26599-454-529	ATLHLSNIPPSVSEEDLKVLFSSNGGVVKGFKFFQKDRKMALIQMGSVEEAVQA LIDLHNHDLGENHHLRVSFSKS
>spP43243-398-473	RVVHIMDFQRGKNLRYQLLQLVEPFGVISNHLILNKINEAFIEMATTEDAQA AV DYYTTTPALVFGKPVRVHLSQK
>spP43243-496-571	RVIHLSNLP HSGYSDSAVLKLAEPYGKIKNYILMRMKSQAFIEMETREDAMAMV DHCLKKALWFQGRVCVKVDLSEK

>spO95319-40-123	IKMFVGGQIPRSWSEKELKELFEPYGAVYQINVLRDRSQNPPQSKGCCFVTFYTRK AALEAQNALHNIKTLPGMHHPIQMKPADS
>spO95319-132-212	RKLFIGMVSKKCNENDIRVMFSPFGQIEECRILRGPDGLSRGCAFVTFSTRAMAQ NAIKAMHQSQTMEGCSSPIVVKFADT
>spO95319-423-501	ANLFIYHLPQEFQDQDILQMFMPFGNVISAKVFIDKQTNLSKCFGFVSYDNPVSA QAAIQAMNGFQIGMKRLKVQLKRS
>spP26599-59-143	RVIHIRKLPIDVTEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAANTMVNY YTSVTPVLRGQPIYIQFSNHKELKTDSSPN
>spP26599-184-260	LRIIVENLFYPVTLDVDLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVSAQHAKL SLDGQNIYNACCTLRIDFSKL
>spP26599-337-411	SVLLVSNLNPERVTPQSLFILFGVYGDVQRVKILFNKKENALVQMADGNQAQL AMSHLNGHKLHGKPIRITLSKH
>spP26599-454-529	ATLHLSNIPPSVSEEDLKVLFSSNGGVVKGKFFQKDRKMALIQMGSVEEAVQA LIDLHNHDLGENHHLRVSFSKS
>spP26368-149-231	RRLYVGNIPFGITEEAMMDFFNAQMRLGGLTQAPGNPVLAVQINQDKNFAFLEF RSVDETTQAMAFDGIIFQGQSLKIRRPD
>spP26368-259-337	HKLFIGGLPNYLNDDQVKELLTSFGPLKAFNLVKDSATGLSKGYAFCEYVDINV TDQAIAGLNGMQLGDKKLLVQRASV
>spP26368-385-466	LPEELLDDEEYEEIVEDVRDECSKYGLVKSIEIPRPVDGVEVPGCGKIFVEFTSVF DCQKAMQGLTGRKFANRVVVTKYCDP
>spQ96T58-6-81	RHLWVGNLPENVREEKIIIEHFKRYGRVESVKILPKRGSEGGVAAFVDFVDIKSA

	QKAHNSVNKMGDRDLRTDYNEP
>spQ96T58-335-415	FGIKVQNLPPVSRDSTSLKDGLFHEFKKFGKVTSVQIHGTSEERYGLVFFRQQEDQ EKALTASKGKLFPGMQIEVTAWIGPE
>spQ96T58-438-513	RTLFIGNLEKTTTYHDLRNIFQRFGEIVDIDIKKVNVPQYAFLQYCDIASVCKAI KKMDGEYLGNNRLKLGFGKS
>spQ96T58-517-589	NCVWLDGLSSNVSDQYLTRHFCRYGPVVKVDFDRLKGMALVLYNEIEYAQAA VKETKGRKIGGNKIKVDFANR
>spQ15717-20-98	TNLIVNYLPQNMTODELRSLSFSSIGEVESAKLIRDKVAGHSLGYGFVNYVTAKD AERAINLNLRLQSKTIKVSYP
>spQ15717-106-186	ANLYISGLPRTMTQKDVEDMFSRFGRIINSRVLVDQTTGLSRGVAFIRFDKRSEA EEAITSFNHGHKPPGSSEPITVKFAAN
>spQ15717-244-322	WCIFIYNLQDADEGILWQMFPGFVAVTNVKVIRDFNTNKCKGFGFVMTNYE EAAMAIASLNGYRLGDKILQVSFKTN
>spQ14966-676-751	SVLLITELPEDGCTEEDVRKLFQPFQKVNVDLIVPYRKEAYLEMEFKEAITAIMK YIETPLTIKGSVKICVPGK
>spQ14966-905-979	CVMLVSNLPNKGYSVEEVYDLAKPFGGLKDILLSSHKKAYIEINRKAESMVK FYTCFVLMMDGNQLSISMAPE
>spQ15020-704-782	ITVFVSNLPYSMQEPDTKLRPLFEACGEVVQIRPIFSNRGDFRGYCYVEFKEEKS ALQALEMDRKSVEGRPMFVSPCVD
>spQ15020-801-878	HKLFISGLPFSCTKEELEIEICKAHGTVKDLRLVTNRAGKPKGLAYVEYENESQAS QAVMKMDGMTIKENIIVVAISNP

>spQ9Y580-10-87	RTLFGVGNLETKVTEELLFELFHQAGPVIKVKIPKDKDGKPKQFAFVNFKHEVSVP YAMNLLNGIKLYGRPIKIQFRSG
>spQ15434-56-129	TNLYIRGLQPGTTDQDLVKLCQPYGKIVSTKAILDKTTNKCKGYGFVDFDPSA AQKAVTALKASGVQAQMAKQ
>spQ15434-135-220	TNLYISNLPLSMDEQELEGMLKPFQVISTRILRDTSGTSRQVGFARMESTEKCE AIITHFNGKYIKTPPGVPAPSDPLLCKFADG
>spP09012-10-89	HTIYINNLNEKIKKDELKKSLEYAIFSQFGQILDILVSRSLKMRGQAFVIFKEVSSAT NALRSMQGFPPFYDKPMRIQYAKT
>spP09012-208-282	HILFLTNLPEETNELMLSMLFNQFPGFKEVRLVPGRHDIAFVEFDNEVQAGAAR DALQGFKITQNNAMKISFAKK
>spO15056-889-968	DATVVVNLQSPTLEEKNEFPEDLRTELMQTLGSYGTIVLVRINQGQMLVTFADS HSALSVLDVDGMKVKGRAVKIRPKTK
>spQ9NWB1-117-193	KRLHVSNIPIFRFRDPDLRQMFQFGKILDVEIIFNERGSKGFGFVTFENSADADR AREKLHGTVVEGRKIEVNNATA
>spO95628-109-189	NLVFVVGLSQRLADPEVLKRPEYFGKFGKIHKVVINNSTSYAGSQGPSASAYVT YIRSEDALRAIQCVNNVVVDGRTLKAS
>spQ9UNP9-6-84	RVLYVGGGLAEEVDDKVLHAAFIPFGDITDIQIPLDYETEKHRGFVFEFELAEDA AAAIDNMNESELFGRITIRVNLAKP
>spQ9NW64-232-305	TTYLVGGLGDTITETDLRNHFYQFGEIRTITVVQRQQCAFIQFATRQAAEVAAEK SFNKLIVNGRRLNVKWGRS
>spP35637-285-371	NTIFVQQLGENVTIESVADYFKQIGIIKTNKKTGQPMINLYTDRETGKLGKGEATV

	SFDDPPSAKAAIDWFDGKEFSGNPIKVSFATR
>spQ96IZ5-309-387	KVLYLKNLSRVTERDLVSLFARFQEKKGPPIQFRMMTGRMRGQAFITFPNKEIA WQALHLVNGYKLGKILVIEFGKN
>spQ13310-11-89	ASLYVGDLSHDVTEAMLYEKFSPAGPVLSIRVCRDMITRRSLGYAYVNFQQPAD AERALDTMNFDVIKGGKPIRIMWSQR
>spQ13310-99-175	GNVFIKNLDKSIDNKALYDTFSAFGNILSCKVVCDENGSKGYAFVHFETQEAAD KAIEKMNGMLLNDRKVFVGRFKS
>spQ13310-191-268	TNVYIKNFGEEVDDESLKELFSQFGKTLVSVKVMRDPNGKSKGFGFVSYEKHEDA NKAVEEMNGKEISGKIIFVGRAQK
>spQ13310-294-370	VNLYIKNLDDTIDDEKLRKEFSPFGSITSAKVMLEDGRSKGFGFVCFSSPEEATK AVTEMNGRIVGSKPLYVALAQR
>spQ8NDV7-1781-1853	NWLVLKNLTPQIDGSTLRITLCMQHGPLITFHLNLPHGALVRYSSKEEVVKAQK SLHMCVLGNTTILAEFASE
>spQ9P2N5-600-674	TKLEVKKIPQELNNITKLNEHFSKFGTIVNIQVAFKGDPEAALIQYLTNEEARKAI SSTEAVLNNRFIRVLWPRE
>spP07910-16-87	SRVFIGNLNTLVVKKSDVEAIFSKYGKIVGCSVHKGFAFVQYVNERNARAABA GEDGRMIAGQVLDINLAAE
>spQ92904-40-115	NTVFGGIDVRMDETEIRSFARYGSVKEVKIITDRTGVSKGYGFVSSFNDVDVQ KIVESQINFHGKLLKLGPAIR
>spP31942-16-93	GTVRLRGLPFGCSKEEIVQFFQGLEIVPNGITLTMDYQGRSTGEAFVQFASKEIAE NALGKHKERIGHRYIEIFRSSR

>spP31942-195-270	HFVHMRGLPFRATENDIANFFSPLNPIRVHIDIGADGRATGEADVEFVTHEDAVA AMSKDKNNMQHRYIELFLNST
>spQ8IZ69-73-146	FKLELQNVPRHASFSDVRRFLGRFGLQPHKTKLFGQPPCAFVTFRSAAERDKAL RVLHGALWKGRPLSVRLARP
>spQ9BY77-280-351	TKMTVNNLHPRVTEEDIVELFCVCGALKRARLVHPGVAEVVFKKDDAITAYK KYNNRCLDGQPMKCNLHMN
>spO43251-121-197	KRLHVSNIPIFRFRDPDLRQMFGQFGKILDVEIIFNERGSKGFGVTFENSADADR AREKLHGTVVEGRKIEVNNATA
>spQ86U06-166-243	RTVFCMQLAARIRPRDLEDFFSAVGKVRDVRIISDRNSRRSKGIAYVEFCEIQSVP LAIGLTGQRLLGVPPIVQASQA
>spQ86U06-263-341	MRLYVGSLSLHFNITEDMLRGIFEPFGKIDNIVLMKSDTGRSKGYGFITFSSECA RRALEQLNGFELAGRPMRVGHVTE
>spQ13243-4-74	CRVFIGRLNPAAREKDVERFFKGYGRIRDIDLKRGFGFVEFEDPRDADDAVYEL DGKELCSERV TIEHARA
>spQ13243-108-181	NRLIVENLSSRVSWQDLKDFMRQAGEVTFADAHRPKLNEGVEFASYGDLKNA IEKLSGKEINGRKKIKLIEGSK
>spQ86U42-172-249	RSIYVGNVDYGATAEELEAHFHGCGSVNRVTILCDKFSGHPKGFAYIEFSDKESV RTSLALDESLFRGRQIKVIPKRT
>spQ9BZC1-54-135	IKLFIGQIPRNLDEKDLKPLFEEFGKIYELTVLKDRFTGMHKGCAFLTYCERESAL KAQSALHEQKTLPGMNRPIQVKPADS
>spQ9BZC1-152-232	RKLFVGMNLKQQSEDDVRRRLF EAFGNIEECTILRGPDGNSKGCAFVKYSSHAEA

	QAAINALHGSQTMPGASSSLVVKFADT
>spQ9BZC1-404-479	PQPPPMIPQQQREGPEGCNLFYHLPQEFGDAELMQMFLPFGFVSFDNPASAQTA IQAMNGFQIGMKRLKVQLKRP
>spP33240-16-94	RSVFGVGNIPYEATEEQLKDIFSEVGPVVSFRLVYDRETGKPKGYGFCEYQDQET ALSAMRNLNGREFSGRALRVDNAAS
>spQ9NVM6-178-249	KCKKEDESKGGYSKDVLLRLLQKYGEVLNLVLSSKKPGTAVVEFATVKAELA VQNEVGLVDNPLKISWLEG
>126_176SOX2	TLPGGLLAPGGNSMASGVGVGAGLGAGVNQRMDSYAHMNGWSNGSYSMQD

Information utilized to carry out the analysis reported in

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