

## Epigenetics

esiRNA ID	Gene Name	Gene Description	Ensembl ID
HU-13237-1	ACTL6A	actin-like 6A	ENSG00000136518
HU-13925-1	ACTL6B	actin-like 6B	ENSG00000077080
HU-14457-1	ACTR1A	ARP1 actin-related protein 1 homolog A, centractin alpha (yeast)	ENSG00000138107
HU-10579-1	ACTR2	ARP2 actin-related protein 2 homolog (yeast)	ENSG00000138071
HU-10837-1	ACTR3	ARP3 actin-related protein 3 homolog (yeast)	ENSG00000115091
HU-09776-1	ACTR5	ARP5 actin-related protein 5 homolog (yeast)	ENSG00000101442
HU-00773-1	ACTR6	ARP6 actin-related protein 6 homolog (yeast)	ENSG00000075089
HU-07176-1	ACTR8	ARP8 actin-related protein 8 homolog (yeast)	ENSG00000113812
HU-09411-1	AHCTF1	AT hook containing transcription factor 1	ENSG00000153207
HU-15150-1	AIRE	autoimmune regulator	ENSG00000160224
HU-12332-1	AKAP1	A kinase (PRKA) anchor protein 1	ENSG00000121057
HU-04065-1	ALG13	asparagine-linked glycosylation 13 homolog (S. cerevisiae)	ENSG00000101901
HU-13552-1	ALKBH1	alkB, alkylation repair homolog 1 (E. coli)	ENSG00000100601
HU-06662-1	ARID1A	AT rich interactive domain 1A (SWI1-like)	ENSG00000117713
HU-12790-1	ARID1B	AT rich interactive domain 1B (SWI1-like)	ENSG00000049618
HU-09415-1	ARID2	AT rich interactive domain 2 (ARID, RFX-like)	ENSG00000189079
HU-03890-1	ARID3A	AT rich interactive domain 3A (BRIGHT-like)	ENSG00000116017
HU-14677-1	ARID3B	AT rich interactive domain 3B (BRIGHT-like)	ENSG00000179361
HU-14203-1	ARID3C	AT rich interactive domain 3C (BRIGHT-like)	ENSG00000205143
HU-09104-1	ARID4A	AT rich interactive domain 4A (RBP1-like)	ENSG00000032219
HU-12512-1	ARID4B	AT rich interactive domain 4B (RBP1-like)	ENSG00000054267
HU-12520-1	ARID5A	AT rich interactive domain 5A (MRF1-like)	ENSG00000196843
HU-06595-1	ARID5B	AT rich interactive domain 5B (MRF1-like)	ENSG00000150347
HU-00556-1	ASF1A	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)	ENSG00000111875
HU-04493-1	ASF1B	ASF1 anti-silencing function 1 homolog B (S. cerevisiae)	ENSG00000105011
HU-13758-1	ASH1L	ash1 (absent, small, or homeotic)-like (Drosophila)	ENSG00000116539
HU-07440-1	ASXL1	additional sex combs like 1 (Drosophila)	ENSG00000171456
HU-08139-1	ASXL2	additional sex combs like 2 (Drosophila)	ENSG00000143970
HU-02317-1	ASXL3	additional sex combs like 3 (Drosophila)	ENSG00000141431
HU-12169-1	ATAD2	ATPase family, AAA domain containing 2	ENSG00000156802
HU-05522-1	ATAD2B	ATPase family, AAA domain containing 2B	ENSG00000119778
HU-07148-1	ATF7IP	activating transcription factor 7 interacting protein	ENSG00000171681
HU-06057-1	ATF7IP2	activating transcription factor 7 interacting protein 2	ENSG00000166669
HU-11294-1	ATRX	alpha thalassemia	ENSG00000085224
HU-00147-1	AURKB	aurora kinase B	ENSG00000178999
HU-01309-1	BAHD1	bromo adjacent homology domain containing 1	ENSG00000140320
HU-12121-1	BANF1	barrier to autointegration factor 1	ENSG00000175334
HU-22858-1	BANF2	barrier to autointegration factor 2	ENSG00000125888
HU-04303-1	BARD1	BRCA1 associated RING domain 1	ENSG00000138376
HU-08543-1	BAZ1A	bromodomain adjacent to zinc finger domain, 1A	ENSG00000198604
HU-13816-1	BAZ1B	bromodomain adjacent to zinc finger domain, 1B	ENSG00000009954
HU-01460-1	BAZ2A	bromodomain adjacent to zinc finger domain, 2A	ENSG00000076108
HU-05961-1	BAZ2B	bromodomain adjacent to zinc finger domain, 2B	ENSG00000123636
HU-09833-1	BBX	bobby sox homolog (Drosophila)	ENSG00000114439
HU-12396-1	BDP1	B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB	ENSG00000145734
HU-00442-1	BMI1	BMI1 polycomb ring finger oncogene	ENSG00000168283
HU-09330-1	BOD1	bioorientation of chromosomes in cell division 1	ENSG00000145919
HU-12483-1	BPTF	bromodomain PHD finger transcription factor	ENSG00000171634
HU-08921-1	BRD1	bromodomain containing 1	ENSG00000100425
HU-10802-1	BRD2	bromodomain containing 2	ENSG00000204256
HU-15145-1	BRD3	bromodomain containing 3	ENSG00000169925
HU-07675-1	BRD4	bromodomain containing 4	ENSG00000141867
HU-10827-1	BRD7	bromodomain containing 7	ENSG00000166164
HU-05891-1	BRD8	bromodomain containing 8	ENSG00000112983
HU-08964-1	BRD9	bromodomain containing 9	ENSG00000028310
HU-11678-1	BRDT	bromodomain, testis-specific	ENSG00000137948
HU-07494-1	BRPF3	bromodomain and PHD finger containing, 3	ENSG00000096070
HU-08371-1	BRWD1	bromodomain and WD repeat domain containing 1	ENSG00000185658
HU-00441-1	BRWD3	bromodomain and WD repeat domain containing 3	ENSG00000165288
HU-01047-1	BTA1F1	BTA1F1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, S. cerevisiae)	ENSG00000095564
HU-06637-1	CARM1	coactivator-associated arginine methyltransferase 1	ENSG00000142453
HU-11090-1	CBX1	chromobox homolog 1	ENSG00000108468
HU-11347-1	CBX3	chromobox homolog 3	ENSG00000122565
HU-13461-1	CBX5	chromobox homolog 5	ENSG00000094916
HU-03546-1	CBX7	chromobox homolog 7	ENSG00000100307
HU-00671-1	CBX8	chromobox homolog 8	ENSG00000141570
HU-04678-1	CDC5L	CDC5 cell division cycle 5-like (S. pombe)	ENSG00000096401
HU-11519-1	CDY1	chromodomain protein, Y-linked, 1	ENSG00000172288
HU-10758-1	CDY1B	chromodomain protein, Y-linked, 1B	ENSG00000172352
HU-10758-1	CDY2A	chromodomain protein, Y-linked, 2A	ENSG00000182415
HU-10758-1	CDY2B	chromodomain protein, Y-linked, 2B	ENSG00000129873
HU-08605-1	CDYL	chromodomain protein, Y-like	ENSG00000153046
HU-04251-1	CDYL2	chromodomain protein, Y-like 2	ENSG00000166446
HU-09583-1	CECR2	cat eye syndrome chromosome region, candidate 2	ENSG00000099954
HU-08449-1	CHAF1A	chromatin assembly factor 1, subunit A (p150)	ENSG00000167670
HU-11010-1	CHAF1B	chromatin assembly factor 1, subunit B (p60)	ENSG00000159259
HU-02126-1	CHD1	chromodomain helicase DNA binding protein 1	ENSG00000153922
HU-06563-1	CHD1L	chromodomain helicase DNA binding protein 1-like	ENSG00000131778
HU-04358-1	CHD2	chromodomain helicase DNA binding protein 2	ENSG00000173575
HU-12263-1	CHD3	chromodomain helicase DNA binding protein 3	ENSG00000170004
HU-06290-1	CHD4	chromodomain helicase DNA binding protein 4	ENSG00000111642
HU-15402-1	CHD5	chromodomain helicase DNA binding protein 5	ENSG00000116254
HU-07341-1	CHD6	chromodomain helicase DNA binding protein 6	ENSG00000124177
HU-05131-1	CHD7	chromodomain helicase DNA binding protein 7	ENSG00000171316
HU-14476-1	CHD8	chromodomain helicase DNA binding protein 8	ENSG00000100888
HU-15833-1	CHD9	chromodomain helicase DNA binding protein 9	ENSG00000177200
HU-14344-1	CHMP1A	charged multivesicular body protein 1A	ENSG00000131165
HU-05325-1	CHMP2A	charged multivesicular body protein 2A	ENSG00000130724
HU-01633-1	CHMP4B	charged multivesicular body protein 4B	ENSG00000101421
HU-00832-1	CHMP4C	charged multivesicular body protein 4C	ENSG00000164695
HU-11084-1	CHMP5	charged multivesicular body protein 5	ENSG00000086065
HU-05536-1	CHRAC1	chromatin accessibility complex 1	ENSG00000104472
HU-05738-1	CIC	capicua homolog (Drosophila)	ENSG00000079432
HU-05699-1	CLOCK	clock homolog (mouse)	ENSG00000134852
HU-07568-1	CREBBP	CREB binding protein	ENSG00000005339
HU-13011-1	CTCF	CCCTC-binding factor (zinc finger protein)	ENSG00000102974

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HU-05236-1	CXXC1	CXXC finger protein 1	ENSG00000154832
HU-11991-1	DAPK3	death-associated protein kinase 3	ENSG00000167657
HU-10967-1	DBF4	DBF4 homolog (S. cerevisiae)	ENSG00000006634
HU-09685-1	DBF4B	DBF4 homolog B (S. cerevisiae)	ENSG00000161692
HU-07486-1	DEAF1	deformed epidermal autoregulatory factor 1 (Drosophila)	ENSG00000177030
HU-07927-1	DIDO1	death inducer-obliterator 1	ENSG00000101191
HU-09574-1	DMAP1	DNA methyltransferase 1 associated protein 1	ENSG00000178028
HU-13000-1	DMTF1	cyclin D binding myb-like transcription factor 1	ENSG00000135164
HU-05357-1	DNAJC1	DnaJ (Hsp40) homolog, subfamily C, member 1	ENSG00000136770
HU-11406-1	DNAJC2	DnaJ (Hsp40) homolog, subfamily C, member 2	ENSG00000105821
HU-06060-1	DNMT1	DNA (cytosine-5-)-methyltransferase 1	ENSG00000130816
HU-12383-1	DNMT3A	DNA (cytosine-5-)-methyltransferase 3 alpha	ENSG00000119772
HU-15845-1	DNMT3B	DNA (cytosine-5-)-methyltransferase 3 beta	ENSG00000088305
HU-03702-1	DNTT	deoxynucleotidyltransferase, terminal	ENSG00000107447
HU-09239-1	DOT1L	DOT1-like, histone H3 methyltransferase (S. cerevisiae)	ENSG00000104885
HU-15141-1	DPF1	D4, zinc and double PHD fingers family 1	ENSG00000011332
HU-13813-1	DPF2	D4, zinc and double PHD fingers family 2	ENSG00000133884
HU-10240-1	DPF3	D4, zinc and double PHD fingers, family 3	ENSG00000205683
HU-06220-1	EED	embryonic ectoderm development	ENSG00000074266
HU-08064-1	EHMT1	euchromatic histone-lysine N-methyltransferase 1	ENSG00000181090
HU-11277-1	EHMT2	euchromatic histone-lysine N-methyltransferase 2	ENSG00000204371
HU-01342-1	ELP3	elongation protein 3 homolog (S. cerevisiae)	ENSG00000134014
HU-15515-1	EP300	E1A binding protein p300	ENSG00000100393
HU-09894-1	EP400	E1A binding protein p400	ENSG00000183495
HU-07879-1	EPC1	enhancer of polycomb homolog 1 (Drosophila)	ENSG00000120616
HU-13132-1	EPC2	enhancer of polycomb homolog 2 (Drosophila)	ENSG00000135999
HU-22058-1	ERCC6	excision repair cross-complementing rodent repair deficiency, complementation group 6	ENSG00000225830
HU-01177-1	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like	ENSG00000186871
HU-05109-1	EZH1	enhancer of zeste homolog 1 (Drosophila)	ENSG00000108799
HU-07348-1	EZH2	enhancer of zeste homolog 2 (Drosophila)	ENSG00000106462
HU-11942-1	FBXL19	F-box and leucine-rich repeat protein 19	ENSG00000099364
HU-12099-1	FBXO10	F-box protein 10	ENSG00000147912
HU-02593-1	FBXO11	F-box protein 11	ENSG00000138081
HU-08213-1	FMR1	fragile X mental retardation 1	ENSG00000102081
HU-08042-1	FXR1	fragile X mental retardation, autosomal homolog 1	ENSG00000114416
HU-07628-1	G2E3	G2	ENSG00000092140
HU-11034-1	GLYR1	glyoxylate reductase 1 homolog (Arabidopsis)	ENSG00000140632
HU-06302-1	GMEB1	glucocorticoid modulatory element binding protein 1	ENSG00000162419
HU-01791-1	GMEB2	glucocorticoid modulatory element binding protein 2	ENSG00000101216
HU-03462-1	HAT1	histone acetyltransferase 1	ENSG00000128708
HU-13198-1	HBP1	HMG-box transcription factor 1	ENSG00000105856
HU-02584-1	HDAC1	histone deacetylase 1	ENSG00000116478
HU-02030-1	HDAC11	histone deacetylase 11	ENSG00000163517
HU-00200-1	HDAC2	histone deacetylase 2	ENSG00000196591
HU-03558-1	HDAC3	histone deacetylase 3	ENSG00000171720
HU-13698-1	HDAC4	histone deacetylase 4	ENSG00000068024
HU-12312-1	HDAC5	histone deacetylase 5	ENSG00000108840
HU-05485-1	HDAC6	histone deacetylase 6	ENSG00000094631
HU-07878-1	HDAC7	histone deacetylase 7	ENSG00000061273
HU-08874-1	HDAC8	histone deacetylase 8	ENSG00000147099
HU-09007-1	HDAC9	histone deacetylase 9	ENSG00000048052
HU-07554-1	HDGF	hepatoma-derived growth factor	ENSG00000143321
HU-13081-1	HDGFRP2	Hepatoma-derived growth factor-related protein 2	ENSG00000167674
HU-07509-1	HELLS	helicase, lymphoid-specific	ENSG00000119969
HU-03175-1	HIF1AN	hypoxia inducible factor 1, alpha subunit inhibitor	ENSG00000166135
HU-06180-1	HIRA	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	ENSG00000100084
HU-09257-1	HLTF	helicase-like transcription factor	ENSG00000071794
HU-12272-1	HMGA1	high mobility group AT-hook 1	ENSG00000137309
HU-07299-1	HMGB1	high mobility group box 1	ENSG00000189403
HU-10587-1	HMGB2	high mobility group box 2	ENSG00000164104
HU-12734-1	HMGN1	high mobility group nucleosome binding domain 1	ENSG00000205581
HU-12912-1	HMGN2	high mobility group nucleosomal binding domain 2	ENSG00000198830
HU-12347-1	HMGN3	high mobility group nucleosomal binding domain 3	ENSG00000118418
HU-00456-1	HMGN4	high mobility group nucleosomal binding domain 4	ENSG00000182952
HU-08325-1	HMGN5	high mobility group nucleosome binding domain 5	ENSG00000198157
HU-14753-1	HN1	hematological and neurological expressed 1	ENSG00000189159
HU-22837-1	HN1L	hematological and neurological expressed 1-like	ENSG00000206053
HU-06587-1	HP1BP3	heterochromatin protein 1, binding protein 3	ENSG00000127483
HU-05953-1	HR	hairless homolog (mouse)	ENSG00000168453
HU-09378-1	HSPBAP1	HSPB (heat shock 27kDa) associated protein 1	ENSG00000169087
HU-14046-1	ING1	inhibitor of growth family, member 1	ENSG00000153487
HU-04804-1	ING2	inhibitor of growth family, member 2	ENSG00000168556
HU-12361-1	ING3	inhibitor of growth family, member 3	ENSG00000071243
HU-10613-1	ING5	inhibitor of growth family, member 5	ENSG00000168395
HU-06966-1	INO80	INO80 homolog (S. cerevisiae)	ENSG00000128908
HU-08379-1	INO80B	INO80 complex subunit B	ENSG00000115274
HU-10140-1	INO80C	INO80 complex subunit C	ENSG00000153391
HU-05515-1	INO80D	INO80 complex subunit D	ENSG00000114933
HU-01443-1	INO80E	INO80 complex subunit E	ENSG00000169592
HU-03333-1	INTS12	integrator complex subunit 12	ENSG00000138785
HU-07582-1	ITIH4	inter-alpha-trypsin inhibitor heavy chain family, member 4	ENSG00000055955
HU-07664-1	JARID2	jumonji, AT rich interactive domain 2	ENSG00000008083
HU-02863-1	JHDM1D	jumonji C domain containing histone demethylase 1 homolog D (S. cerevisiae)	ENSG00000006459
HU-08875-1	JMJD1C	jumonji domain containing 1C	ENSG00000171988
HU-15388-1	JMJD4	jumonji domain containing 4	ENSG00000081692
HU-08529-1	JMJD6	jumonji domain containing 6	ENSG00000070495
HU-08720-1	JMJD7-PLA2G4B	JMJD7-PLA2G4B readthrough	ENSG00000168970
HU-05601-1	JMJD8	jumonji domain containing 8	ENSG00000161999
HU-14276-1	KAT2A	K(lysine) acetyltransferase 2A	ENSG00000108773
HU-02057-1	KAT2B	K(lysine) acetyltransferase 2B	ENSG00000114166
HU-13992-1	KAT5	K(lysine) acetyltransferase 5	ENSG00000172977
HU-15459-1	KAT6A	K(lysine) acetyltransferase 6A	ENSG00000083168
HU-08926-1	KAT6B	K(lysine) acetyltransferase 6B	ENSG00000156650
HU-12682-1	KAT7	K(lysine) acetyltransferase 7	ENSG00000136504
HU-09447-1	KAT8	K(lysine) acetyltransferase 8	ENSG00000103510
HU-09817-1	KDM1A	lysine (K)-specific demethylase 1A	ENSG00000004487

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HU-05258-1	KDM1B	lysine (K)-specific demethylase 1B	ENSG00000165097
HU-15467-1	KDM2A	lysine (K)-specific demethylase 2A	ENSG00000173120
HU-05430-1	KDM2B	lysine (K)-specific demethylase 2B	ENSG00000089094
HU-08061-1	KDM3A	lysine (K)-specific demethylase 3A	ENSG00000115548
HU-14297-1	KDM3B	lysine (K)-specific demethylase 3B	ENSG00000120733
HU-01304-1	KDM4A	lysine (K)-specific demethylase 4A	ENSG00000066135
HU-13699-1	KDM4B	lysine (K)-specific demethylase 4B	ENSG00000127663
HU-00143-1	KDM4C	lysine (K)-specific demethylase 4C	ENSG00000107077
HU-01403-1	KDM4D	lysine (K)-specific demethylase 4D	ENSG00000186280
HU-01205-1	KDM5A	lysine (K)-specific demethylase 5A	ENSG00000073614
HU-08438-1	KDM5B	lysine (K)-specific demethylase 5B	ENSG00000117139
HU-00507-1	KDM5C	lysine (K)-specific demethylase 5C	ENSG00000126012
HU-06813-1	KDM5D	lysine (K)-specific demethylase 5D	ENSG00000012817
HU-11556-1	KDM6A	lysine (K)-specific demethylase 6A	ENSG00000147050
HU-00827-1	KDM6B	lysine (K)-specific demethylase 6B	ENSG00000132510
HU-14906-1	KDM8	lysine (K)-specific demethylase 8	ENSG00000155666
HU-10202-1	KTI12	KTI12 homolog, chromatin associated ( <i>S. cerevisiae</i> )	ENSG00000198841
HU-14447-1	L3MBTL1	I(3)mbt-like 1 ( <i>Drosophila</i> )	ENSG00000185513
HU-07733-1	L3MBTL2	I(3)mbt-like 2 ( <i>Drosophila</i> )	ENSG00000100395
HU-12627-1	L3MBTL3	I(3)mbt-like 3 ( <i>Drosophila</i> )	ENSG00000198945
HU-09318-1	L3MBTL4	I(3)mbt-like 4 ( <i>Drosophila</i> )	ENSG00000154655
HU-07222-1	LBR	lamin B receptor	ENSG00000143815
HU-07604-1	MBD3	methyl-CpG binding domain protein 3	ENSG00000071655
HU-02586-1	MBD4	methyl-CpG binding domain protein 4	ENSG00000129071
HU-12628-1	MBD5	methyl-CpG binding domain protein 5	ENSG00000204406
HU-07408-1	MBD6	methyl-CpG binding domain protein 6	ENSG00000166987
HU-05731-1	MBTD1	mbt domain containing 1	ENSG00000011258
HU-09857-1	MDM2	Mdm2, p53 E3 ubiquitin protein ligase homolog (mouse)	ENSG00000135679
HU-00538-1	MDM4	Mdm4 p53 binding protein homolog (mouse)	ENSG00000198625
HU-09078-1	MECOM	MDS1 and EVI1 complex locus	ENSG00000085276
HU-03027-1	MECP2	methyl CpG binding protein 2 (Rett syndrome)	ENSG00000169057
HU-07354-1	MGEA5	meningioma expressed antigen 5 (hyaluronidase)	ENSG00000198408
HU-03339-1	MGMT	O-6-methylguanine-DNA methyltransferase	ENSG00000170430
HU-08302-1	MIER1	mesoderm induction early response 1 homolog ( <i>Xenopus laevis</i> )	ENSG00000198160
HU-01230-1	MIER2	mesoderm induction early response 1, family member 2	ENSG00000105556
HU-02799-1	MIER3	mesoderm induction early response 1, family member 3	ENSG00000155545
HU-07076-1	MINA	MYC induced nuclear antigen	ENSG00000170854
HU-06073-1	MIS18BP1	MIS18 binding protein 1	ENSG00000129534
HU-09816-1	MLL	myeloid	ENSG00000118058
HU-07696-1	MLL2	myeloid	ENSG00000167548
HU-07319-1	MLL3	myeloid	ENSG00000055609
HU-09421-1	MLL5	myeloid	ENSG00000005483
HU-12138-1	MLLT10	myeloid	ENSG00000078403
HU-07422-1	MLLT3	myeloid	ENSG00000171843
HU-08643-1	MLLT6	myeloid	ENSG00000108292
HU-11581-1	MOCS1	molybdenum cofactor synthesis 1	ENSG00000124615
HU-12752-1	MORF4	mortality factor 4	ENSG00000234801
HU-12752-1	MORF4L1	mortality factor 4 like 1	ENSG00000185787
HU-08186-1	MORF4L2	mortality factor 4 like 2	ENSG00000123562
HU-07017-1	MPHOSPH8	M-phase phosphoprotein 8	ENSG00000196199
HU-02157-1	C20orf20	chromosome 20 open reading frame 20	ENSG00000101189
HU-04944-1	MSH6	mutS homolog 6 ( <i>E. coli</i> )	ENSG00000116062
HU-14587-1	MSL3	male-specific lethal 3 homolog ( <i>Drosophila</i> )	ENSG00000005302
HU-10582-1	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	ENSG00000173531
HU-13129-1	MTA1	metastasis associated 1	ENSG00000182979
HU-12052-1	MTA2	metastasis associated 1 family, member 2	ENSG00000149480
HU-03159-1	MTA3	metastasis associated 1 family, member 3	ENSG00000057935
HU-04295-1	MTF2	metal response element binding transcription factor 2	ENSG00000143033
HU-09814-1	MUM1	melanoma associated antigen (mutated) 1	ENSG00000160953
HU-09456-1	MUM1L1	melanoma associated antigen (mutated) 1-like 1	ENSG00000157502
HU-05335-1	MYSM1	Myb-like, SWIRM and MPN domains 1	ENSG00000162601
HU-07462-1	NAP1L1	nucleosome assembly protein 1-like 1	ENSG00000187109
HU-05191-1	NAP1L3	nucleosome assembly protein 1-like 3	ENSG00000186310
HU-05572-1	NAP1L5	nucleosome assembly protein 1-like 5	ENSG00000177432
HU-02836-1	NAT10	N-acetyltransferase 10 (GCN5-related)	ENSG00000135372
HU-03947-1	NBN	nibrin	ENSG00000104320
HU-08183-1	NCOA1	nuclear receptor coactivator 1	ENSG00000084676
HU-07933-1	NCOA3	nuclear receptor coactivator 3	ENSG00000124151
HU-06561-1	NCOR1	nuclear receptor corepressor 1	ENSG00000141027
HU-15948-1	NCOR2	nuclear receptor corepressor 2	ENSG00000196498
HU-04741-1	NPTXR	neuronal pentraxin receptor	ENSG00000221890
HU-08154-1	NSD1	nuclear receptor binding SET domain protein 1	ENSG00000165671
HU-00305-1	ORC1	origin recognition complex, subunit 1	ENSG00000085840
HU-05782-1	ORC2	origin recognition complex, subunit 2	ENSG00000115942
HU-08259-1	PADI4	peptidyl arginine deiminase, type IV	ENSG00000159339
HU-05010-1	PARP1	poly (ADP-ribose) polymerase 1	ENSG00000143799
HU-02537-1	PARP2	poly (ADP-ribose) polymerase 2	ENSG00000129484
HU-04538-1	PARP3	poly (ADP-ribose) polymerase family, member 3	ENSG00000041880
HU-07204-1	PAXIP1	PAX interacting (with transcription-activation domain) protein 1	ENSG00000157212
HU-07500-1	PBRM1	polybromo 1	ENSG00000163939
HU-04651-1	PDS5A	PDS5, regulator of cohesion maintenance, homolog A ( <i>S. cerevisiae</i> )	ENSG00000121892
HU-04973-1	PDS5B	PDS5, regulator of cohesion maintenance, homolog B ( <i>S. cerevisiae</i> )	ENSG00000083642
HU-08505-1	PES1	pescadillo ribosomal biogenesis factor 1	ENSG00000100029
HU-08036-1	PHC2	polyhomeotic homolog 2 ( <i>Drosophila</i> )	ENSG00000134686
HU-06718-1	PHC3	polyhomeotic homolog 3 ( <i>Drosophila</i> )	ENSG00000173889
HU-09293-1	PHF1	PHD finger protein 1	ENSG00000112511
HU-11718-1	PHF10	PHD finger protein 10	ENSG00000130024
HU-08136-1	PHF11	PHD finger protein 11	ENSG00000136147
HU-09481-1	PHF12	PHD finger protein 12	ENSG00000109118
HU-15657-1	PHF13	PHD finger protein 13	ENSG00000116273
HU-00013-1	PHF14	PHD finger protein 14	ENSG00000106443
HU-14005-1	PHF15	PHD finger protein 15	ENSG00000043143
HU-05869-1	PHF16	PHD finger protein 16	ENSG00000102221
HU-15510-1	PHF17	PHD finger protein 17	ENSG00000077684
HU-09866-1	PHF19	PHD finger protein 19	ENSG00000119403
HU-08856-1	PHF20	PHD finger protein 20	ENSG00000025293

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esiRNA ID	Gene Name	Gene Description	Ensembl ID
HU-06022-1	PHF20L1	PHD finger protein 20-like 1	ENSG00000129292
HU-09588-1	PHF21A	PHD finger protein 21A	ENSG00000135365
HU-08632-1	PHF23	PHD finger protein 23	ENSG00000040633
HU-06578-1	PHF3	PHD finger protein 3	ENSG00000118482
HU-01606-1	PHF5A	PHD finger protein 5A	ENSG00000100410
HU-06694-1	PHF6	PHD finger protein 6	ENSG00000156531
HU-08496-1	PHF7	PHD finger protein 7	ENSG00000103118
HU-06273-1	PHF8	PHD finger protein 8	ENSG00000172943
HU-09621-1	PHIP	pleckstrin homology domain interacting protein	ENSG00000146247
HU-13862-1	PHRF1	PHD and ring finger domains 1	ENSG00000070047
HU-13021-1	PRDM1	PR domain containing 1, with ZNF domain	ENSG00000057657
HU-07279-1	PRDM10	PR domain containing 10	ENSG00000170325
HU-10406-1	PRDM11	PR domain containing 11	ENSG00000019485
HU-03588-1	PRDM13	PR domain containing 13	ENSG00000112238
HU-15044-1	PRDM15	PR domain containing 15	ENSG00000141956
HU-02788-1	PRDM4	PR domain containing 4	ENSG00000110851
HU-15804-1	PRDM6	PR domain containing 6	ENSG00000061455
HU-14630-1	PRDM8	PR domain containing 8	ENSG00000152784
HU-11364-1	PRDM9	PR domain containing 9	ENSG00000164256
HU-11575-1	PRMT1	protein arginine methyltransferase 1	ENSG00000126457
HU-02810-1	PRMT10	protein arginine methyltransferase 10 (putative)	ENSG00000164169
HU-13480-1	PRMT2	protein arginine methyltransferase 2	ENSG00000160310
HU-08319-1	PRMT3	protein arginine methyltransferase 3	ENSG00000185238
HU-06592-1	PRMT5	protein arginine methyltransferase 5	ENSG00000100462
HU-12531-1	PRMT6	protein arginine methyltransferase 6	ENSG00000198890
HU-15766-1	PRMT7	protein arginine methyltransferase 7	ENSG00000132600
HU-13392-1	PRMT8	protein arginine methyltransferase 8	ENSG00000111218
HU-14936-1	PRR12	proline rich 12	ENSG00000126464
HU-11438-1	PSIP1	PC4 and SFRS1 interacting protein 1	ENSG00000164985
HU-15427-1	PWWP2A	PWWP domain containing 2A	ENSG00000170234
HU-11974-1	PWWP2B	PWWP domain containing 2B	ENSG00000171813
HU-03696-1	PYGO1	pygopus homolog 1 (Drosophila)	ENSG00000171016
HU-04343-1	PYGO2	pygopus homolog 2 (Drosophila)	ENSG00000163348
HU-01458-1	RAD54B	RAD54 homolog B (S. cerevisiae)	ENSG00000197275
HU-00816-1	RAD54L2	RAD54-like 2 (S. cerevisiae)	ENSG00000164080
HU-05894-1	RAI1	retinoic acid induced 1	ENSG00000108557
HU-10581-1	RBBP4	retinoblastoma binding protein 4	ENSG00000162521
HU-02424-1	RBBP5	retinoblastoma binding protein 5	ENSG00000117222
HU-02165-1	RBBP7	retinoblastoma binding protein 7	ENSG00000102054
HU-05571-1	RBX1	ring-box 1, E3 ubiquitin protein ligase	ENSG00000100387
HU-04887-1	RCOR1	REST corepressor 1	ENSG00000089902
HU-03100-1	RCOR2	REST corepressor 2	ENSG00000167771
HU-14057-1	RCOR3	REST corepressor 3	ENSG00000117625
HU-08240-1	RERE	arginine-glutamic acid dipeptide (RE) repeats	ENSG00000142599
HU-14435-1	REV1	REV1 homolog (S. cerevisiae)	ENSG00000135945
HU-09562-1	RNF17	ring finger protein 17	ENSG00000132972
HU-10906-1	RNF2	ring finger protein 2	ENSG00000121481
HU-03656-1	RNF20	ring finger protein 20, E3 ubiquitin protein ligase	ENSG00000155827
HU-15813-1	RNF40	ring finger protein 40, E3 ubiquitin protein ligase	ENSG00000103549
HU-02552-1	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	ENSG00000177189
HU-07961-1	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4	ENSG00000162302
HU-04349-1	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	ENSG00000100784
HU-02412-1	RSAD1	radical S-adenosyl methionine domain containing 1	ENSG00000136444
HU-05991-1	RSF1	remodeling and spacing factor 1	ENSG00000048649
HU-15072-1	RUVBL1	RuvB-like 1 (E. coli)	ENSG00000175792
HU-13418-1	SATB1	SATB homeobox 1	ENSG00000182568
HU-03022-1	SATB2	SATB homeobox 2	ENSG00000119042
HU-06812-1	SCMH1	sex comb on midleg homolog 1 (Drosophila)	ENSG00000010803
HU-05175-1	SCML1	sex comb on midleg-like 1 (Drosophila)	ENSG00000047634
HU-08300-1	SCML2	sex comb on midleg-like 2 (Drosophila)	ENSG00000102098
HU-04692-1	SCML4	sex comb on midleg-like 4 (Drosophila)	ENSG00000146285
HU-02037-1	SETBP1	SET binding protein 1	ENSG00000152217
HU-12007-1	SETD1A	SET domain containing 1A	ENSG00000099381
HU-13726-1	SETD1B	SET domain containing 1B	ENSG00000139718
HU-07516-1	SETD2	SET domain containing 2	ENSG00000181555
HU-08959-1	SETD3	SET domain containing 3	ENSG00000183576
HU-07258-1	SETD4	SET domain containing 4	ENSG00000185917
HU-05893-1	SETD5	SET domain containing 5	ENSG00000168137
HU-15756-1	SETD6	SET domain containing 6	ENSG00000103037
HU-00104-1	SETD7	SET domain containing (lysine methyltransferase) 7	ENSG00000145391
HU-11111-1	SETD8	SET domain containing (lysine methyltransferase) 8	ENSG00000183955
HU-04626-1	SETDB1	SET domain, bifurcated 1	ENSG00000143379
HU-14097-1	SETDB2	SET domain, bifurcated 2	ENSG00000136169
HU-01714-1	SETMAR	SET domain and mariner transposase fusion gene	ENSG00000170364
HU-08797-1	SFMBT1	Scm-like with four mbt domains 1	ENSG00000163935
HU-02326-1	SHPRH	SNF2 histone linker PHD RING helicase, E3 ubiquitin protein ligase	ENSG00000146414
HU-08222-1	SIN3A	SIN3 transcription regulator homolog A (yeast)	ENSG00000169375
HU-05347-1	SIN3B	SIN3 transcription regulator homolog B (yeast)	ENSG00000127511
HU-16052-1	SIRT2	sirtuin 2	ENSG00000068903
HU-09359-1	SIRT3	sirtuin 3	ENSG00000142082
HU-04789-1	SIRT4	sirtuin 4	ENSG00000089163
HU-13252-1	SIRT5	sirtuin 5	ENSG00000124523
HU-13290-1	SIRT6	sirtuin 6	ENSG00000077463
HU-10804-1	SIRT7	sirtuin 7	ENSG00000187531
HU-13432-1	SMARCA1	SWI	ENSG00000102038
HU-13515-1	SMARCA2	SWI	ENSG00000080503
HU-07660-1	SMARCA4	SWI	ENSG00000127616
HU-02361-1	SMARCA5	SWI	ENSG00000153147
HU-06318-1	SMARCAD1	SWI	ENSG00000163104
HU-06869-1	SMARCAL1	SWI	ENSG00000138375
HU-10032-1	SMARCB1	SWI	ENSG00000099956
HU-06439-1	SMARCC1	SWI	ENSG00000173473
HU-09081-1	SMARCC2	SWI	ENSG00000139613
HU-06888-1	SMARCD1	SWI	ENSG00000066117
HU-08351-1	SMARCD2	SWI	ENSG00000108604
HU-07865-1	SMARCD3	SWI	ENSG00000082014

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esiRNA ID	Gene Name	Gene Description	Ensembl ID
HU-14688-1	SMARCE1	SWI	ENSG00000073584
HU-07400-1	SMC1A	structural maintenance of chromosomes 1A	ENSG00000072501
HU-13448-1	SMC1B	structural maintenance of chromosomes 1B	ENSG00000077935
HU-14645-1	SMC2	structural maintenance of chromosomes 2	ENSG00000136824
HU-06426-1	SMC3	structural maintenance of chromosomes 3	ENSG00000108055
HU-06841-1	SMC4	structural maintenance of chromosomes 4	ENSG00000113810
HU-14881-1	SMN1	survival of motor neuron 1, telomeric	ENSG00000172062
HU-14881-1	SMN2	survival of motor neuron 2, centromeric	ENSG00000205571
HU-02698-1	SMNDC1	survival motor neuron domain containing 1	ENSG00000119953
HU-04756-1	SMYD1	SET and MYND domain containing 1	ENSG00000115593
HU-04959-1	SMYD2	SET and MYND domain containing 2	ENSG00000143499
HU-04429-1	SMYD3	SET and MYND domain containing 3	ENSG00000185420
HU-02161-1	SMYD4	SET and MYND domain containing 4	ENSG00000186532
HU-13648-1	SMYD5	SMYD family member 5	ENSG00000135632
HU-10801-1	SNAPC4	small nuclear RNA activating complex, polypeptide 4, 190kDa	ENSG00000165684
HU-05458-1	SND1	staphylococcal nuclease and tudor domain containing 1	ENSG00000197157
HU-11330-1	SP100	SP100 nuclear antigen	ENSG00000067066
HU-13311-1	SP110	SP110 nuclear body protein	ENSG00000135899
HU-08167-1	SP140	SP140 nuclear body protein	ENSG00000079263
HU-09812-1	SP140L	SP140 nuclear body protein-like	ENSG00000185404
HU-15730-1	SRCAP	Snf2-related CREBBP activator protein	ENSG00000080603
HU-04673-1	SRRM2	serine	ENSG00000167978
HU-01599-1	SSRP1	structure specific recognition protein 1	ENSG00000149136
HU-12341-1	STK31	serine	ENSG00000196335
HU-11024-1	SUDS3	suppressor of defective silencing 3 homolog (S. cerevisiae)	ENSG00000111707
HU-06975-1	SUPT7L	suppressor of Ty 7 (S. cerevisiae)-like	ENSG00000119760
HU-15818-1	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	ENSG00000101945
HU-09365-1	SUV39H2	suppressor of variegation 3-9 homolog 2 (Drosophila)	ENSG00000152455
HU-08190-1	SUV420H1	suppressor of variegation 4-20 homolog 1 (Drosophila)	ENSG00000110066
HU-09779-1	SUV420H2	suppressor of variegation 4-20 homolog 2 (Drosophila)	ENSG00000133247
HU-04333-1	SUZ12	suppressor of zeste 12 homolog (Drosophila)	ENSG00000178691
HU-15421-1	TADA2A	transcriptional adaptor 2A	ENSG00000108264
HU-02660-1	TADA2B	transcriptional adaptor 2B	ENSG00000173011
HU-10599-1	TAF1	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	ENSG00000147133
HU-12186-1	TAF8	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa	ENSG00000137413
HU-11538-1	TCF19	transcription factor 19	ENSG00000137310
HU-08754-1	TCF20	transcription factor 20 (AR1)	ENSG00000100207
HU-13121-1	TDRD1	tudor domain containing 1	ENSG00000095627
HU-04984-1	TDRD12	tudor domain containing 12	ENSG00000173809
HU-03716-1	TDRD3	tudor domain containing 3	ENSG00000083544
HU-14569-1	TDRD5	tudor domain containing 5	ENSG00000162782
HU-01210-1	TDRD6	tudor domain containing 6	ENSG00000180113
HU-08081-1	TDRD7	tudor domain containing 7	ENSG00000196116
HU-05897-1	TDRD9	tudor domain containing 9	ENSG00000156414
HU-05114-1	TDRKH	tudor and KH domain containing	ENSG00000182134
HU-11482-1	TERF1	telomeric repeat binding factor (NIMA-interacting) 1	ENSG00000147601
HU-04299-1	TERF2	telomeric repeat binding factor 2	ENSG00000132604
HU-05389-1	TET1	tet methylcytosine dioxygenase 1	ENSG00000138336
HU-02479-1	TET2	tet methylcytosine dioxygenase 2	ENSG00000168769
HU-09755-1	TET3	tet methylcytosine dioxygenase 3	ENSG00000187605
HU-05212-1	TOPBP1	topoisomerase (DNA) II binding protein 1	ENSG00000163781
HU-10152-1	TOX	thymocyte selection-associated high mobility group box	ENSG00000198846
HU-08943-1	TOX2	TOX high mobility group box family member 2	ENSG00000124191
HU-05369-1	TOX3	TOX high mobility group box family member 3	ENSG00000103460
HU-12322-1	TP53	tumor protein p53	ENSG00000141510
HU-15612-1	TP53BP1	tumor protein p53 binding protein 1	ENSG00000067369
HU-07157-1	TRAF7	TNF receptor-associated factor 7, E3 ubiquitin protein ligase	ENSG00000131653
HU-09937-1	TRDMT1	tRNA aspartic acid methyltransferase 1	ENSG00000107614
HU-06388-1	TRERF1	transcriptional regulating factor 1	ENSG00000124496
HU-02918-1	TRIM24	tripartite motif containing 24	ENSG00000122779
HU-06733-1	TRIM28	tripartite motif containing 28	ENSG00000130726
HU-15712-1	TRIM33	tripartite motif containing 33	ENSG00000197323
HU-00466-1	TRIM66	tripartite motif containing 66	ENSG00000166436
HU-10949-1	TSPY1	testis specific protein, Y-linked 1	ENSG00000258992
HU-00605-1	TSPYL1	TSPY-like 1	ENSG00000189241
HU-01832-1	TSPYL2	TSPY-like 2	ENSG00000184205
HU-15488-1	TSPYL4	TSPY-like 4	ENSG00000187189
HU-04636-1	TSPYL5	TSPY-like 5	ENSG00000180543
HU-13812-1	TSPYL6	TSPY-like 6	ENSG00000178021
HU-04989-1	TTF2	transcription termination factor, RNA polymerase II	ENSG00000116830
HU-14859-1	TXNDC9	thioredoxin domain containing 9	ENSG00000115514
HU-06857-1	TYW5	tRNA-yW synthesizing protein 5	ENSG00000162971
HU-06995-1	UBE2A	ubiquitin-conjugating enzyme E2A	ENSG00000077721
HU-04593-1	UBE2B	ubiquitin-conjugating enzyme E2B	ENSG00000119048
HU-03199-1	UBR7	ubiquitin protein ligase E3 component n-recognin 7 (putative)	ENSG0000012963
HU-08511-1	UBTF	upstream binding transcription factor, RNA polymerase I	ENSG00000108312
HU-04050-1	UHRF1	ubiquitin-like with PHD and ring finger domains 1	ENSG00000034063
HU-11386-1	UHRF2	ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase	ENSG00000147854
HU-07305-1	UTY	ubiquitously transcribed tetratricopeptide repeat gene, Y-linked	ENSG00000183878
HU-01587-1	VEZF1	vascular endothelial zinc finger 1	ENSG00000136451
HU-13282-1	AD000671.3	---	ENSG00000105663
HU-04899-1	WDR11	WD repeat domain 11	ENSG00000120008
HU-10974-1	WDR5	WD repeat domain 5	ENSG00000196363
HU-11509-1	WDR82	WD repeat domain 82	ENSG00000164091
HU-06335-1	WHSC1	Wolf-Hirschhorn syndrome candidate 1	ENSG00000109685
HU-05955-1	WHSC1L1	Wolf-Hirschhorn syndrome candidate 1-like 1	ENSG00000147548
HU-09247-1	YEATS2	YEATS domain containing 2	ENSG00000163872
HU-03108-1	YEATS4	YEATS domain containing 4	ENSG00000127337
HU-06759-1	ZCWPW1	zinc finger, CW type with PWWP domain 1	ENSG00000078487
HU-10313-1	ZCWPW2	zinc finger, CW type with PWWP domain 2	ENSG00000206559
HU-02149-1	ZFAT	zinc finger and AT hook domain containing	ENSG00000066827
HU-15876-1	ZGPAT	zinc finger, CCCH-type with G patch domain	ENSG00000197114
HU-04918-1	ZHX1	zinc fingers and homeoboxes 1	ENSG00000165156
HU-03944-1	ZHX2	zinc fingers and homeoboxes 2	ENSG00000178764
HU-03003-1	ZHX3	zinc fingers and homeoboxes 3	ENSG00000174306
HU-13323-1	ZMYND11	zinc finger, MYND-type containing 11	ENSG00000015171

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<b>esiRNA ID</b>	<b>Gene Name</b>	<b>Gene Description</b>	<b>Ensembl ID</b>
HU-10021-1	ZMYND8	zinc finger, MYND-type containing 8	ENSG00000101040
HU-12831-1	ZNF726	zinc finger protein 726	ENSG00000213967
HU-08292-1	ZRANB3	zinc finger, RAN-binding domain containing 3	ENSG00000121988