

Gene Symbol	FoldChange	FoldChange Description	Gene Symbol	FoldChange	FoldChange Description
AARS	1.53	Keratinocyte miR-196a down vs Control	ACVR1B	1.53	Keratinocyte miR-196a up vs Control
ABCA11	1.56	Keratinocyte miR-196a down vs Control	ADAM29	1.56	Keratinocyte miR-196a up vs Control
ABCA7	1.53	Keratinocyte miR-196a down vs Control	ADAMTS8	1.56	Keratinocyte miR-196a up vs Control
ACTC	1.53	Keratinocyte miR-196a down vs Control	ADCY1	1.56	Keratinocyte miR-196a up vs Control
ACTR5	1.53	Keratinocyte miR-196a down vs Control	ADRA2A	1.65	Keratinocyte miR-196a up vs Control
ADAMTS12	1.53	Keratinocyte miR-196a down vs Control	AGXT2L1	1.65	Keratinocyte miR-196a up vs Control
AGTRAP	1.65	Keratinocyte miR-196a down vs Control	AMZ1	1.56	Keratinocyte miR-196a up vs Control
AKT1	1.53	Keratinocyte miR-196a down vs Control	ANAPC5	1.53	Keratinocyte miR-196a up vs Control
ALDOAP2	1.53	Keratinocyte miR-196a down vs Control	ANKRD43	1.65	Keratinocyte miR-196a up vs Control
AOF1	1.53	Keratinocyte miR-196a down vs Control	ANKRD55	1.56	Keratinocyte miR-196a up vs Control
APOB48R	1.56	Keratinocyte miR-196a down vs Control	ANKS1B	1.56	Keratinocyte miR-196a up vs Control
ARAF	1.53	Keratinocyte miR-196a down vs Control	ANXA2	1.53	Keratinocyte miR-196a up vs Control
ARF5	1.53	Keratinocyte miR-196a down vs Control	AQP6	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
ARL5B	1.56	Keratinocyte miR-196a down vs Control	ARL17P1	1.53	Keratinocyte miR-196a up vs Control
ARPC1B	1.53	Keratinocyte miR-196a down vs Control	ARSE	1.56	Keratinocyte miR-196a up vs Control
ASB8	1.53	Keratinocyte miR-196a down vs Control	AS3MT	1.65	Keratinocyte miR-196a up vs Control
ASS	1.53	Keratinocyte miR-196a down vs Control	ASAH3	1.56	Keratinocyte miR-196a up vs Control
ASTE1	1.56	Keratinocyte miR-196a down vs Control	AT_W_5	1.53	Keratinocyte miR-196a up vs Control
ATAD3B	1.53	Keratinocyte miR-196a down vs Control	ATXN7L2	1.56	Keratinocyte miR-196a up vs Control
B4GALT7	1.56	Keratinocyte miR-196a down vs Control	B3GNT7	1.65	Keratinocyte miR-196a up vs Control
BAP1	1.65	Keratinocyte miR-196a down vs Control	BATF	1.65	Keratinocyte miR-196a up vs Control
BARX1	1.53	Keratinocyte miR-196a down vs Control	BHLHB5	1.56	Keratinocyte miR-196a up vs Control
BAT5	1.53	Keratinocyte miR-196a down vs Control	BOC	1.53	Keratinocyte miR-196a up vs Control
BCL2L1	1.53	Keratinocyte miR-196a down vs Control	BTK	1.65	Keratinocyte miR-196a up vs Control
BCORL2	1.65	Keratinocyte miR-196a down vs Control	BYSL	1.65	Keratinocyte miR-196a up vs Control
BCR	1.53	Keratinocyte miR-196a down vs Control	BZRAP1	1.56	Keratinocyte miR-196a up vs Control

BIRC7	1.53	Keratinocyte miR-196a down vs Control	C1D	1.55	Keratinocyte miR-196a up vs Control
BLCAP	1.53	Keratinocyte miR-196a down vs Control	C1QA	1.53	Keratinocyte miR-196a up vs Control
BUD31	1.53	Keratinocyte miR-196a down vs Control	CACNA2D1	1.53	Keratinocyte miR-196a up vs Control
CA5B	1.65	Keratinocyte miR-196a down vs Control	CALML6	1.56	Keratinocyte miR-196a up vs Control
CACNG4	1.65	Keratinocyte miR-196a down vs Control	CCDC67	1.56	Keratinocyte miR-196a up vs Control
CAMK1	1.65	Keratinocyte miR-196a down vs Control	CD160	1.56	Keratinocyte miR-196a up vs Control
CARS	1.53	Keratinocyte miR-196a down vs Control	CD8A	1.53	Keratinocyte miR-196a up vs Control
CASP6	1.56	Keratinocyte miR-196a down vs Control	CDH20	1.53	Keratinocyte miR-196a up vs Control
CCDC32	1.53	Keratinocyte miR-196a down vs Control	CFC1	1.56	Keratinocyte miR-196a up vs Control
CCDC49	1.53	Keratinocyte miR-196a down vs Control	CH25H	1.53	Keratinocyte miR-196a up vs Control
CCDC66	1.53	Keratinocyte miR-196a down vs Control	CHRNA4	1.56	Keratinocyte miR-196a up vs Control
CCR6	1.56	Keratinocyte miR-196a down vs Control	CHRNB4	1.53	Keratinocyte miR-196a up vs Control
CCS	1.65	Keratinocyte miR-196a down vs Control	CIB3	1.53	Keratinocyte miR-196a up vs Control
CD14	1.56	Keratinocyte miR-196a down vs Control	CLDN11	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
CD2BP2	1.56	Keratinocyte miR-196a down vs Control	CLEC4C	1.53	Keratinocyte miR-196a up vs Control
CD68	1.53	Keratinocyte miR-196a down vs Control	CLEC4G	1.53	Keratinocyte miR-196a up vs Control
CDC23	1.53	Keratinocyte miR-196a down vs Control	CML2	1.56	Keratinocyte miR-196a up vs Control
CDC42SE1	1.56	Keratinocyte miR-196a down vs Control	COL4A3	1.56	Keratinocyte miR-196a up vs Control
CDH7	1.53	Keratinocyte miR-196a down vs Control	COX4I2	1.56	Keratinocyte miR-196a up vs Control
CDK10	1.53	Keratinocyte miR-196a down vs Control	COX6A1	1.65	Keratinocyte miR-196a up vs Control
CDK5RAP2	1.53	Keratinocyte miR-196a down vs Control	CPN2	1.56	Keratinocyte miR-196a up vs Control
CDY2A	1.53	Keratinocyte miR-196a down vs Control	CRHR1	1.56	Keratinocyte miR-196a up vs Control
CEECAM1	1.53	Keratinocyte miR-196a down vs Control	CYP2A7	1.56	Keratinocyte miR-196a up vs Control
CENTB1	1.53	Keratinocyte miR-196a down vs Control	CYP2F1	1.56	Keratinocyte miR-196a up vs Control
CHFR	1.53	Keratinocyte miR-196a down vs Control	DCAL1	1.53	Keratinocyte miR-196a up vs Control
CHRNA6	1.53	Keratinocyte miR-196a down vs Control	DES	1.53	Keratinocyte miR-196a up vs Control
CLCN7	1.56	Keratinocyte miR-196a down vs Control	DGCR8	1.56	Keratinocyte miR-196a up vs Control

CLDN4	1.53	Keratinocyte miR-196a down vs Control	DLSTP	1.56	Keratinocyte miR-196a up vs Control
COL4A5	1.56	Keratinocyte miR-196a down vs Control	DPM3	1.65	Keratinocyte miR-196a up vs Control
COQ4	1.53	Keratinocyte miR-196a down vs Control	DRD3	1.56	Keratinocyte miR-196a up vs Control
CORO1B	1.53	Keratinocyte miR-196a down vs Control	DSPG3	1.56	Keratinocyte miR-196a up vs Control
CPSF1	1.53	Keratinocyte miR-196a down vs Control	ECM2	1.65	Keratinocyte miR-196a up vs Control
CPSF3L	1.53	Keratinocyte miR-196a down vs Control	EDNRB	1.53	Keratinocyte miR-196a up vs Control
CSPP1	1.53	Keratinocyte miR-196a down vs Control	EFCAB3	1.65	Keratinocyte miR-196a up vs Control
CTNNA3	1.56	Keratinocyte miR-196a down vs Control	EFNA5	1.56	Keratinocyte miR-196a up vs Control
DCC	1.53	Keratinocyte miR-196a down vs Control	EGR2	1.53	Keratinocyte miR-196a up vs Control
DDX56	1.53	Keratinocyte miR-196a down vs Control	EHD2	1.65	Keratinocyte miR-196a up vs Control
DEFA1	1.65	Keratinocyte miR-196a down vs Control	ELK4	1.53	Keratinocyte miR-196a up vs Control
DEFB127	1.68	Keratinocyte miR-196a down vs Control	EPHA6	1.65	Keratinocyte miR-196a up vs Control
DHPS	1.53	Keratinocyte miR-196a down vs Control	ERAS	1.53	Keratinocyte miR-196a up vs Control
DNAJB14	1.53	Keratinocyte miR-196a down vs Control	ERVWE1	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
DPF2	1.53	Keratinocyte miR-196a down vs Control	FABP4	1.56	Keratinocyte miR-196a up vs Control
DPP9	1.56	Keratinocyte miR-196a down vs Control	FAM113A	1.56	Keratinocyte miR-196a up vs Control
DRG1	1.65	Keratinocyte miR-196a down vs Control	FAM77D	1.56	Keratinocyte miR-196a up vs Control
DSP	1.56	Keratinocyte miR-196a down vs Control	FAM81B	1.56	Keratinocyte miR-196a up vs Control
DTX2	1.53	Keratinocyte miR-196a down vs Control	FAM92B	1.65	Keratinocyte miR-196a up vs Control
DUSP11	1.53	Keratinocyte miR-196a down vs Control	FANCB	1.65	Keratinocyte miR-196a up vs Control
ECH1	1.53	Keratinocyte miR-196a down vs Control	FGA	1.65	Keratinocyte miR-196a up vs Control
EDC4	1.56	Keratinocyte miR-196a down vs Control	FKBP2	1.56	Keratinocyte miR-196a up vs Control
EDG4	1.53	Keratinocyte miR-196a down vs Control	FLCN	1.56	Keratinocyte miR-196a up vs Control
EFHB	1.53	Keratinocyte miR-196a down vs Control	FLRT1	1.56	Keratinocyte miR-196a up vs Control
EIF1	1.56	Keratinocyte miR-196a down vs Control	G36726	1.65	Keratinocyte miR-196a up vs Control
EIF2B5	1.53	Keratinocyte miR-196a down vs Control	GABRR2	1.56	Keratinocyte miR-196a up vs Control
ELF3	1.53	Keratinocyte miR-196a down vs Control	GAD1	1.65	Keratinocyte miR-196a up vs Control

ELOF1	1.53	Keratinocyte miR-196a down vs Control	GAGE3	1.53	Keratinocyte miR-196a up vs Control
ELOVL5	1.53	Keratinocyte miR-196a down vs Control	GALNTL1	1.56	Keratinocyte miR-196a up vs Control
EML3	1.53	Keratinocyte miR-196a down vs Control	GALNTL5	1.56	Keratinocyte miR-196a up vs Control
EPB41	1.53	Keratinocyte miR-196a down vs Control	GCET2	1.65	Keratinocyte miR-196a up vs Control
EPHA7	1.65	Keratinocyte miR-196a down vs Control	GCM1	1.56	Keratinocyte miR-196a up vs Control
ESX1	1.53	Keratinocyte miR-196a down vs Control	GMIP	1.53	Keratinocyte miR-196a up vs Control
EVC2	1.53	Keratinocyte miR-196a down vs Control	GPLY	1.53	Keratinocyte miR-196a up vs Control
EXOSC5	1.65	Keratinocyte miR-196a down vs Control	GPBAR1	1.56	Keratinocyte miR-196a up vs Control
EXPH5	1.53	Keratinocyte miR-196a down vs Control	GPHA2	1.56	Keratinocyte miR-196a up vs Control
FAH	1.53	Keratinocyte miR-196a down vs Control	GPHB5	1.56	Keratinocyte miR-196a up vs Control
FAM105B	1.65	Keratinocyte miR-196a down vs Control	GPR144	1.56	Keratinocyte miR-196a up vs Control
FAM107A	1.56	Keratinocyte miR-196a down vs Control	GPR31	1.56	Keratinocyte miR-196a up vs Control
FAM12A	1.53	Keratinocyte miR-196a down vs Control	GPR75	1.65	Keratinocyte miR-196a up vs Control
FAM73A	1.53	Keratinocyte miR-196a down vs Control	GPR85	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
FBP2	1.56	Keratinocyte miR-196a down vs Control	GRIK2	1.65	Keratinocyte miR-196a up vs Control
FBXO6	1.53	Keratinocyte miR-196a down vs Control	GRIP2	1.56	Keratinocyte miR-196a up vs Control
FCGR3A	1.65	Keratinocyte miR-196a down vs Control	GUCA2B	1.53	Keratinocyte miR-196a up vs Control
FGF22	1.65	Keratinocyte miR-196a down vs Control	GZMM	1.56	Keratinocyte miR-196a up vs Control
FKBP8	1.53	Keratinocyte miR-196a down vs Control	HAMP	1.65	Keratinocyte miR-196a up vs Control
FLNA	1.53	Keratinocyte miR-196a down vs Control	HAVCR1	1.65	Keratinocyte miR-196a up vs Control
FMNL3	1.56	Keratinocyte miR-196a down vs Control	HIST1H2AK	1.65	Keratinocyte miR-196a up vs Control
FSCN1	1.53	Keratinocyte miR-196a down vs Control	HIST1H4K	1.56	Keratinocyte miR-196a up vs Control
FTSJ2	1.53	Keratinocyte miR-196a down vs Control	HIVEP3	1.56	Keratinocyte miR-196a up vs Control
FUT4	1.56	Keratinocyte miR-196a down vs Control	HLA-DRB3	1.53	Keratinocyte miR-196a up vs Control
FXR2	1.53	Keratinocyte miR-196a down vs Control	HMCN2	1.53	Keratinocyte miR-196a up vs Control
G6PD	1.53	Keratinocyte miR-196a down vs Control	HMP19	1.53	Keratinocyte miR-196a up vs Control
GBA2	1.53	Keratinocyte miR-196a down vs Control	HOXA7	1.65	Keratinocyte miR-196a up vs Control

GBL	1.65	Keratinocyte miR-196a down vs Control	IGSF2	1.56	Keratinocyte miR-196a up vs Control
GC	1.53	Keratinocyte miR-196a down vs Control	IGSF4D	1.53	Keratinocyte miR-196a up vs Control
GDDR	1.56	Keratinocyte miR-196a down vs Control	IL17A	1.53	Keratinocyte miR-196a up vs Control
GIPC1	1.53	Keratinocyte miR-196a down vs Control	IL28A	1.56	Keratinocyte miR-196a up vs Control
GJB1	1.56	Keratinocyte miR-196a down vs Control	INSRR	1.53	Keratinocyte miR-196a up vs Control
GJB5	1.53	Keratinocyte miR-196a down vs Control	ITGB1BP2	1.56	Keratinocyte miR-196a up vs Control
GLT1D1	1.56	Keratinocyte miR-196a down vs Control	J03651	1.53	Keratinocyte miR-196a up vs Control
GNA15	1.53	Keratinocyte miR-196a down vs Control	KCNC3	1.56	Keratinocyte miR-196a up vs Control
GNAI2	1.53	Keratinocyte miR-196a down vs Control	KCNJ1	1.53	Keratinocyte miR-196a up vs Control
GNB2	1.53	Keratinocyte miR-196a down vs Control	KCNK7	1.56	Keratinocyte miR-196a up vs Control
GNB2L1	1.53	Keratinocyte miR-196a down vs Control	KEL	1.56	Keratinocyte miR-196a up vs Control
GORASP1	1.53	Keratinocyte miR-196a down vs Control	KHSRP	1.53	Keratinocyte miR-196a up vs Control
GOT1L1	1.53	Keratinocyte miR-196a down vs Control	KIAA1456	1.56	Keratinocyte miR-196a up vs Control
GPAA1	1.53	Keratinocyte miR-196a down vs Control	KIAA1661	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
GRAMD1A	1.56	Keratinocyte miR-196a down vs Control	KIR2DS2	1.53	Keratinocyte miR-196a up vs Control
GRIN2B	1.56	Keratinocyte miR-196a down vs Control	KIR3DL2	1.65	Keratinocyte miR-196a up vs Control
GRPEL1	1.53	Keratinocyte miR-196a down vs Control	KIRREL2	1.56	Keratinocyte miR-196a up vs Control
GTF2E2	1.65	Keratinocyte miR-196a down vs Control	KLHL1	1.53	Keratinocyte miR-196a up vs Control
H3F3B	1.56	Keratinocyte miR-196a down vs Control	KLHL11	1.53	Keratinocyte miR-196a up vs Control
HAL	1.56	Keratinocyte miR-196a down vs Control	KLK2	1.65	Keratinocyte miR-196a up vs Control
HAPLN2	1.56	Keratinocyte miR-196a down vs Control	KNDC1	1.56	Keratinocyte miR-196a up vs Control
HBLD2	1.56	Keratinocyte miR-196a down vs Control	LCN6	1.56	Keratinocyte miR-196a up vs Control
HDAC11	1.53	Keratinocyte miR-196a down vs Control	M69296	1.53	Keratinocyte miR-196a up vs Control
HEXA	1.53	Keratinocyte miR-196a down vs Control	MAB21L2	1.53	Keratinocyte miR-196a up vs Control
HEXDC	1.65	Keratinocyte miR-196a down vs Control	MAP3K3	1.56	Keratinocyte miR-196a up vs Control
HIST1H3G	1.53	Keratinocyte miR-196a down vs Control	MAP4K1	1.65	Keratinocyte miR-196a up vs Control
HKR3	1.53	Keratinocyte miR-196a down vs Control	MAS1L	1.53	Keratinocyte miR-196a up vs Control

HNRPCL1	1.53	Keratinocyte miR-196a down vs Control	MATK	1.65	Keratinocyte miR-196a up vs Control
HNRPDL	1.53	Keratinocyte miR-196a down vs Control	MEIS3P1	1.65	Keratinocyte miR-196a up vs Control
HSPB9	1.56	Keratinocyte miR-196a down vs Control	MGAT4C	1.53	Keratinocyte miR-196a up vs Control
HSPC023	1.56	Keratinocyte miR-196a down vs Control	MGC26647	1.56	Keratinocyte miR-196a up vs Control
HTN1	1.65	Keratinocyte miR-196a down vs Control	MGC5566	1.53	Keratinocyte miR-196a up vs Control
HTR2B	1.56	Keratinocyte miR-196a down vs Control	MIA2	1.56	Keratinocyte miR-196a up vs Control
HVCN1	1.53	Keratinocyte miR-196a down vs Control	MIDN	1.56	Keratinocyte miR-196a up vs Control
IDI1	1.53	Keratinocyte miR-196a down vs Control	MPFL	1.56	Keratinocyte miR-196a up vs Control
IDI2	1.65	Keratinocyte miR-196a down vs Control	MSR1	1.56	Keratinocyte miR-196a up vs Control
IDS	1.65	Keratinocyte miR-196a down vs Control	MTF1	1.56	Keratinocyte miR-196a up vs Control
IGFBPL1	1.56	Keratinocyte miR-196a down vs Control	MYBPC3	1.56	Keratinocyte miR-196a up vs Control
IL19	1.65	Keratinocyte miR-196a down vs Control	MYH4	1.56	Keratinocyte miR-196a up vs Control
INPP1	1.65	Keratinocyte miR-196a down vs Control	MYOZ3	1.53	Keratinocyte miR-196a up vs Control
IQCH	1.56	Keratinocyte miR-196a	N24703	1.56	Keratinocyte miR-196a up vs

		down vs Control			Control
IQGAP2	1.65	Keratinocyte miR-196a down vs Control	N75321	1.65	Keratinocyte miR-196a up vs Control
KATNB1	1.53	Keratinocyte miR-196a down vs Control	N75427	1.65	Keratinocyte miR-196a up vs Control
KCND1	1.65	Keratinocyte miR-196a down vs Control	N91552	1.65	Keratinocyte miR-196a up vs Control
KCNH5	1.56	Keratinocyte miR-196a down vs Control	NCR1	1.56	Keratinocyte miR-196a up vs Control
KCNK10	1.53	Keratinocyte miR-196a down vs Control	NHLH1	1.53	Keratinocyte miR-196a up vs Control
KCNMB3	1.53	Keratinocyte miR-196a down vs Control	NPHS2	1.53	Keratinocyte miR-196a up vs Control
KIAA0195	1.53	Keratinocyte miR-196a down vs Control	NUDT14	1.54	Keratinocyte miR-196a up vs Control
KIAA0404	1.53	Keratinocyte miR-196a down vs Control	OBFC2B	1.65	Keratinocyte miR-196a up vs Control
KIAA0999	1.56	Keratinocyte miR-196a down vs Control	OPCML	1.65	Keratinocyte miR-196a up vs Control
KIAA1107	1.53	Keratinocyte miR-196a down vs Control	OR2J2	1.56	Keratinocyte miR-196a up vs Control
KLC4	1.56	Keratinocyte miR-196a down vs Control	OR2L13	1.56	Keratinocyte miR-196a up vs Control
KLHDC1	1.53	Keratinocyte miR-196a down vs Control	OR2T8	1.56	Keratinocyte miR-196a up vs Control
KLHL22	1.53	Keratinocyte miR-196a down vs Control	OR4A15	1.53	Keratinocyte miR-196a up vs Control

KRTAP15-1	1.56	Keratinocyte miR-196a down vs Control	OR51E2	1.56	Keratinocyte miR-196a up vs Control
LDLRAP1	1.53	Keratinocyte miR-196a down vs Control	OR7E47P	1.53	Keratinocyte miR-196a up vs Control
LEMD2	1.56	Keratinocyte miR-196a down vs Control	OR8H1	1.56	Keratinocyte miR-196a up vs Control
LGI2	1.56	Keratinocyte miR-196a down vs Control	P2RX3	1.56	Keratinocyte miR-196a up vs Control
LINS1	1.53	Keratinocyte miR-196a down vs Control	PAK6	1.53	Keratinocyte miR-196a up vs Control
LRP6	1.53	Keratinocyte miR-196a down vs Control	PCDHA5	1.53	Keratinocyte miR-196a up vs Control
LRRC25	1.65	Keratinocyte miR-196a down vs Control	PCDHB7	1.53	Keratinocyte miR-196a up vs Control
LYPLA2	1.53	Keratinocyte miR-196a down vs Control	PCDHGC3	1.56	Keratinocyte miR-196a up vs Control
MAB21L1	1.65	Keratinocyte miR-196a down vs Control	PCGF1	1.56	Keratinocyte miR-196a up vs Control
MAP2	1.65	Keratinocyte miR-196a down vs Control	PGLYRP2	1.53	Keratinocyte miR-196a up vs Control
MAP2K1IP1	1.53	Keratinocyte miR-196a down vs Control	PILRB	1.56	Keratinocyte miR-196a up vs Control
MAPK12	1.56	Keratinocyte miR-196a down vs Control	PLCL2	1.53	Keratinocyte miR-196a up vs Control
MAPK3	1.53	Keratinocyte miR-196a down vs Control	PLIN	1.65	Keratinocyte miR-196a up vs Control
MAPKAP1	1.53	Keratinocyte miR-196a down vs Control	PNLIP	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
MBNL1	1.56	Keratinocyte miR-196a down vs Control	PPY2	1.56	Keratinocyte miR-196a up vs Control
MED6	1.56	Keratinocyte miR-196a down vs Control	PRAMEF2	1.65	Keratinocyte miR-196a up vs Control
METRN	1.56	Keratinocyte miR-196a down vs Control	PROX1	1.53	Keratinocyte miR-196a up vs Control
MFN1	1.53	Keratinocyte miR-196a down vs Control	PTPRCAP	1.65	Keratinocyte miR-196a up vs Control
MGC10911	1.65	Keratinocyte miR-196a down vs Control	PTPRO	1.56	Keratinocyte miR-196a up vs Control
MGC16037	1.53	Keratinocyte miR-196a down vs Control	RASGEF1B	1.65	Keratinocyte miR-196a up vs Control
MGC17403	1.56	Keratinocyte miR-196a down vs Control	RASL10B	1.53	Keratinocyte miR-196a up vs Control
MLL	1.56	Keratinocyte miR-196a down vs Control	RCV1	1.56	Keratinocyte miR-196a up vs Control
MLL4	1.53	Keratinocyte miR-196a down vs Control	RNF151	1.56	Keratinocyte miR-196a up vs Control
MLZE	1.53	Keratinocyte miR-196a down vs Control	RPL23	1.56	Keratinocyte miR-196a up vs Control
MRPS5	1.53	Keratinocyte miR-196a down vs Control	RPL24	1.53	Keratinocyte miR-196a up vs Control
MTFMT	1.53	Keratinocyte miR-196a down vs Control	RPL39	1.53	Keratinocyte miR-196a up vs Control
MYH6	1.65	Keratinocyte miR-196a down vs Control	S75896	1.56	Keratinocyte miR-196a up vs Control

NAG8	1.53	Keratinocyte miR-196a down vs Control	SBEM	1.56	Keratinocyte miR-196a up vs Control
NMNAT1	1.53	Keratinocyte miR-196a down vs Control	SCAMP5	1.56	Keratinocyte miR-196a up vs Control
NOL10	1.65	Keratinocyte miR-196a down vs Control	SCGN	1.53	Keratinocyte miR-196a up vs Control
NOMO1	1.53	Keratinocyte miR-196a down vs Control	SCNN1G	1.56	Keratinocyte miR-196a up vs Control
NPLOC4	1.65	Keratinocyte miR-196a down vs Control	SEC14L3	1.56	Keratinocyte miR-196a up vs Control
NSDHL	1.65	Keratinocyte miR-196a down vs Control	SEPN1	1.53	Keratinocyte miR-196a up vs Control
NSFL1C	1.53	Keratinocyte miR-196a down vs Control	SERPINA12	1.56	Keratinocyte miR-196a up vs Control
NT5C2	1.53	Keratinocyte miR-196a down vs Control	SERPINA4	1.53	Keratinocyte miR-196a up vs Control
NT5C3L	1.53	Keratinocyte miR-196a down vs Control	SERPINI2	1.65	Keratinocyte miR-196a up vs Control
NT5DC2	1.53	Keratinocyte miR-196a down vs Control	SGEF	1.53	Keratinocyte miR-196a up vs Control
NUBP2	1.56	Keratinocyte miR-196a down vs Control	SLC11A1	1.56	Keratinocyte miR-196a up vs Control
NUPL2	1.53	Keratinocyte miR-196a down vs Control	SLC25A28	1.53	Keratinocyte miR-196a up vs Control
NXN	1.53	Keratinocyte miR-196a down vs Control	SLC2A2	1.56	Keratinocyte miR-196a up vs Control
OKL38	1.53	Keratinocyte miR-196a down vs Control	SLC38A4	1.56	Keratinocyte miR-196a up vs Control

		down vs Control			Control
OSAP	1.53	Keratinocyte miR-196a down vs Control	SLFN13	1.53	Keratinocyte miR-196a up vs Control
OSGEPL1	1.56	Keratinocyte miR-196a down vs Control	SOLH	1.65	Keratinocyte miR-196a up vs Control
PACS2	1.53	Keratinocyte miR-196a down vs Control	SOX11	1.53	Keratinocyte miR-196a up vs Control
PCDHA9	1.65	Keratinocyte miR-196a down vs Control	SOX2OT	1.56	Keratinocyte miR-196a up vs Control
PDLIM2	1.65	Keratinocyte miR-196a down vs Control	SPDYA	1.65	Keratinocyte miR-196a up vs Control
PEX12	1.53	Keratinocyte miR-196a down vs Control	SPOCK2	1.53	Keratinocyte miR-196a up vs Control
PEX16	1.53	Keratinocyte miR-196a down vs Control	SPRR2C	1.53	Keratinocyte miR-196a up vs Control
PGEA1	1.53	Keratinocyte miR-196a down vs Control	ST6GALNAC3	1.65	Keratinocyte miR-196a up vs Control
PGF	1.56	Keratinocyte miR-196a down vs Control	STYX	1.53	Keratinocyte miR-196a up vs Control
PIGS	1.53	Keratinocyte miR-196a down vs Control	SULT4A1	1.56	Keratinocyte miR-196a up vs Control
PITPNM1	1.65	Keratinocyte miR-196a down vs Control	SYCE1	1.53	Keratinocyte miR-196a up vs Control
PLEKHA8	1.53	Keratinocyte miR-196a down vs Control	TAAR2	1.56	Keratinocyte miR-196a up vs Control
PLXNB1	1.65	Keratinocyte miR-196a down vs Control	TARP	1.53	Keratinocyte miR-196a up vs Control

PLXNB2	1.56	Keratinocyte miR-196a down vs Control	TAS1R1	1.65	Keratinocyte miR-196a up vs Control
PLXNB3	1.53	Keratinocyte miR-196a down vs Control	TBC1D21	1.56	Keratinocyte miR-196a up vs Control
POLDIP3	1.53	Keratinocyte miR-196a down vs Control	TKTL1	1.53	Keratinocyte miR-196a up vs Control
POLR1E	1.53	Keratinocyte miR-196a down vs Control	TMEM9B	1.56	Keratinocyte miR-196a up vs Control
POLR3K	1.53	Keratinocyte miR-196a down vs Control	TMPRSS9	1.65	Keratinocyte miR-196a up vs Control
POR	1.56	Keratinocyte miR-196a down vs Control	TNNT2	1.56	Keratinocyte miR-196a up vs Control
PPFIBP2	1.53	Keratinocyte miR-196a down vs Control	TNRC6C	1.56	Keratinocyte miR-196a up vs Control
PRKRIP1	1.56	Keratinocyte miR-196a down vs Control	TPH2	1.56	Keratinocyte miR-196a up vs Control
PROK1	1.53	Keratinocyte miR-196a down vs Control	TRAPPC5	1.65	Keratinocyte miR-196a up vs Control
PRP2	1.53	Keratinocyte miR-196a down vs Control	TRIM40	1.65	Keratinocyte miR-196a up vs Control
PRUNE	1.53	Keratinocyte miR-196a down vs Control	TRIM42	1.65	Keratinocyte miR-196a up vs Control
PSMA7	1.53	Keratinocyte miR-196a down vs Control	TTPA	1.56	Keratinocyte miR-196a up vs Control
PSMC5	1.56	Keratinocyte miR-196a down vs Control	TYRP1	1.53	Keratinocyte miR-196a up vs Control
PSMD2	1.53	Keratinocyte miR-196a down vs Control	UBE2O	1.65	Keratinocyte miR-196a up vs Control

		down vs Control			Control
PSMF1	1.53	Keratinocyte miR-196a down vs Control	UGT2B10	1.56	Keratinocyte miR-196a up vs Control
PTPMT1	1.53	Keratinocyte miR-196a down vs Control	ULBP3	1.65	Keratinocyte miR-196a up vs Control
PVRL2	1.53	Keratinocyte miR-196a down vs Control	UNQ755	1.56	Keratinocyte miR-196a up vs Control
QARS	1.53	Keratinocyte miR-196a down vs Control	UPB1	1.56	Keratinocyte miR-196a up vs Control
RAB26	1.56	Keratinocyte miR-196a down vs Control	USP29	1.56	Keratinocyte miR-196a up vs Control
RAB5B	1.53	Keratinocyte miR-196a down vs Control	USP51	1.65	Keratinocyte miR-196a up vs Control
RABGEF1	1.56	Keratinocyte miR-196a down vs Control	USP9Y	1.56	Keratinocyte miR-196a up vs Control
RABGGTA	1.53	Keratinocyte miR-196a down vs Control	VAX2	1.53	Keratinocyte miR-196a up vs Control
RAG1AP1	1.53	Keratinocyte miR-196a down vs Control	VN1R1	1.56	Keratinocyte miR-196a up vs Control
RANGAP1	1.53	Keratinocyte miR-196a down vs Control	W45382	1.56	Keratinocyte miR-196a up vs Control
RAP1A	1.56	Keratinocyte miR-196a down vs Control	W95609	1.53	Keratinocyte miR-196a up vs Control
RGS19	1.53	Keratinocyte miR-196a down vs Control	WDR25	1.65	Keratinocyte miR-196a up vs Control
RHOT2	1.65	Keratinocyte miR-196a down vs Control	WDR63	1.56	Keratinocyte miR-196a up vs Control

RND1	1.53	Keratinocyte miR-196a down vs Control	WNT3	1.56	Keratinocyte miR-196a up vs Control
RNF150	1.65	Keratinocyte miR-196a down vs Control	WWC3	1.56	Keratinocyte miR-196a up vs Control
RPL18	1.65	Keratinocyte miR-196a down vs Control	ZIC2	1.65	Keratinocyte miR-196a up vs Control
RPL7L1	1.65	Keratinocyte miR-196a down vs Control	ZNF287	1.65	Keratinocyte miR-196a up vs Control
RPS16	1.53	Keratinocyte miR-196a down vs Control	ZNF420	1.53	Keratinocyte miR-196a up vs Control
RPS6KB1	1.56	Keratinocyte miR-196a down vs Control	ZNF445	1.65	Keratinocyte miR-196a up vs Control
RPS6KB2	1.53	Keratinocyte miR-196a down vs Control	ZNF473	1.53	Keratinocyte miR-196a up vs Control
RTP1	1.65	Keratinocyte miR-196a down vs Control	ZNF625	1.56	Keratinocyte miR-196a up vs Control
RUTBC1	1.53	Keratinocyte miR-196a down vs Control	ZNF676	1.56	Keratinocyte miR-196a up vs Control
S80491	1.56	Keratinocyte miR-196a down vs Control	ZNF694	1.56	Keratinocyte miR-196a up vs Control
SAMM50	1.53	Keratinocyte miR-196a down vs Control	ZP3	1.53	Keratinocyte miR-196a up vs Control
SBF1	1.56	Keratinocyte miR-196a down vs Control	ZPBP2	1.56	Keratinocyte miR-196a up vs Control
SC4MOL	1.53	Keratinocyte miR-196a down vs Control			
SEC22B	1.53	Keratinocyte miR-196a			

		down vs Control
SEC24C	1.53	Keratinocyte miR-196a down vs Control
SGPP2	1.53	Keratinocyte miR-196a down vs Control
SHKBP1	1.53	Keratinocyte miR-196a down vs Control
SIRT6	1.56	Keratinocyte miR-196a down vs Control
SIRT7	1.65	Keratinocyte miR-196a down vs Control
SLC22A6	1.53	Keratinocyte miR-196a down vs Control
SLC27A4	1.53	Keratinocyte miR-196a down vs Control
SLC2A4	1.65	Keratinocyte miR-196a down vs Control
SLC30A4	1.56	Keratinocyte miR-196a down vs Control
SLC44A5	1.53	Keratinocyte miR-196a down vs Control
SLC4A7	1.53	Keratinocyte miR-196a down vs Control
SLC5A7	1.56	Keratinocyte miR-196a down vs Control
SLC7A14	1.56	Keratinocyte miR-196a down vs Control

SLC7A7	1.56	Keratinocyte miR-196a down vs Control
SMPD1	1.53	Keratinocyte miR-196a down vs Control
SNRPA1	1.53	Keratinocyte miR-196a down vs Control
SNX17	1.53	Keratinocyte miR-196a down vs Control
SPAG16	1.53	Keratinocyte miR-196a down vs Control
SPAG4L	1.56	Keratinocyte miR-196a down vs Control
SPAG7	1.65	Keratinocyte miR-196a down vs Control
SPAST	1.53	Keratinocyte miR-196a down vs Control
SRD5A1	1.53	Keratinocyte miR-196a down vs Control
SRP68	1.53	Keratinocyte miR-196a down vs Control
SSBP4	1.56	Keratinocyte miR-196a down vs Control
SSX8	1.65	Keratinocyte miR-196a down vs Control
ST3GAL4	1.53	Keratinocyte miR-196a down vs Control
STAB2	1.65	Keratinocyte miR-196a

		down vs Control
STARD7	1.53	Keratinocyte miR-196a down vs Control
STK17B	1.53	Keratinocyte miR-196a down vs Control
STK19	1.56	Keratinocyte miR-196a down vs Control
STK25	1.53	Keratinocyte miR-196a down vs Control
STK32C	1.65	Keratinocyte miR-196a down vs Control
STOML3	1.56	Keratinocyte miR-196a down vs Control
STXBP2	1.53	Keratinocyte miR-196a down vs Control
SUMO1	1.65	Keratinocyte miR-196a down vs Control
SUV420H2	1.56	Keratinocyte miR-196a down vs Control
TAPBP	1.53	Keratinocyte miR-196a down vs Control
TAX1BP3	1.56	Keratinocyte miR-196a down vs Control
TBC1D5	1.53	Keratinocyte miR-196a down vs Control
TBL3	1.53	Keratinocyte miR-196a down vs Control

TEC	1.65	Keratinocyte miR-196a down vs Control
THAP7	1.56	Keratinocyte miR-196a down vs Control
THOC5	1.53	Keratinocyte miR-196a down vs Control
THSD3	1.65	Keratinocyte miR-196a down vs Control
THUMPD3	1.53	Keratinocyte miR-196a down vs Control
TJP3	1.53	Keratinocyte miR-196a down vs Control
TM4SF1	1.53	Keratinocyte miR-196a down vs Control
TMEM16J	1.53	Keratinocyte miR-196a down vs Control
TMEM68	1.56	Keratinocyte miR-196a down vs Control
TMEM85	1.56	Keratinocyte miR-196a down vs Control
TMPRSS11E	1.53	Keratinocyte miR-196a down vs Control
TNIP2	1.53	Keratinocyte miR-196a down vs Control
TNRC5	1.53	Keratinocyte miR-196a down vs Control
TNT	1.56	Keratinocyte miR-196a

		down vs Control
TOM1	1.53	Keratinocyte miR-196a down vs Control
TPCN2	1.53	Keratinocyte miR-196a down vs Control
TSR2	1.53	Keratinocyte miR-196a down vs Control
TTC4	1.53	Keratinocyte miR-196a down vs Control
TTC5	1.53	Keratinocyte miR-196a down vs Control
TTF1	1.53	Keratinocyte miR-196a down vs Control
TTY21	1.65	Keratinocyte miR-196a down vs Control
TUBGCP2	1.53	Keratinocyte miR-196a down vs Control
TUBGCP6	1.65	Keratinocyte miR-196a down vs Control
TXK	1.56	Keratinocyte miR-196a down vs Control
TXNDC12	1.53	Keratinocyte miR-196a down vs Control
TYSND1	1.53	Keratinocyte miR-196a down vs Control
UCKL1	1.56	Keratinocyte miR-196a down vs Control

ULK3	1.53	Keratinocyte miR-196a down vs Control
USP19	1.56	Keratinocyte miR-196a down vs Control
USP5	1.53	Keratinocyte miR-196a down vs Control
VPS13B	1.53	Keratinocyte miR-196a down vs Control
VRK3	1.53	Keratinocyte miR-196a down vs Control
WDR27	1.53	Keratinocyte miR-196a down vs Control
WDR42A	1.53	Keratinocyte miR-196a down vs Control
WFIKKN1	1.53	Keratinocyte miR-196a down vs Control
YARS	1.53	Keratinocyte miR-196a down vs Control
YRDC	1.56	Keratinocyte miR-196a down vs Control
ZBTB25	1.65	Keratinocyte miR-196a down vs Control
ZBTB38	1.56	Keratinocyte miR-196a down vs Control
ZC3H3	1.65	Keratinocyte miR-196a down vs Control
ZC3H7A	1.53	Keratinocyte miR-196a

		down vs Control
ZFAND1	1.65	Keratinocyte miR-196a down vs Control
ZMYM6	1.53	Keratinocyte miR-196a down vs Control
ZNF175	1.56	Keratinocyte miR-196a down vs Control
ZNF263	1.56	Keratinocyte miR-196a down vs Control
ZNF343	1.53	Keratinocyte miR-196a down vs Control
ZNF461	1.56	Keratinocyte miR-196a down vs Control
ZNF514	1.53	Keratinocyte miR-196a down vs Control
ZNF547	1.65	Keratinocyte miR-196a down vs Control
ZNF552	1.53	Keratinocyte miR-196a down vs Control
ZNF563	1.56	Keratinocyte miR-196a down vs Control
ZNF57	1.53	Keratinocyte miR-196a down vs Control
ZNF570	1.65	Keratinocyte miR-196a down vs Control
ZNF597	1.53	Keratinocyte miR-196a down vs Control

ZNF70	1.53	Keratinocyte miR-196a down vs Control
ZNF702	1.65	Keratinocyte miR-196a down vs Control
ZNF718	1.53	Keratinocyte miR-196a down vs Control