

Supplementary table 1

GeneCard Cell Junctions Gene code	Gene name	Gene type	GeneCard Inflammation Gene code	Gene name	Gene type
GAPDH-H99999905_m1	glyceraldehyde-3-phosphate dehydrogenase	housekeeping	GAPDH-H99999905_m1	glyceraldehyde-3-phosphate dehydrogenase	housekeeping
CAV1-H60071716_m1	caveolin 1	target	ACTB-H99999903_m1	actin beta	housekeeping
CAV2-H60084597_m1	caveolin 2	target	ALDO5-H60016756_m1	araldichonate 5-lipasegenase	target
CAV3-H600154292_m1	caveolin 3	target	B2M-H99999907_m1	beta-2-microglobulin	housekeeping
CDH1-H601023894_m1	cadherin 1	target	HSPA5-H600607129_gH	heat shock protein family A (Hsp70) member 5	target
CDH2-H600898056_m1	cadherin 2	target	CARD9-H600364485_m1	caspase recruitment domain family member 9	target
CDN1-H600215623_m1	claudin 1	target	ACKR2-H600174299_m1	atypical chemokine receptor 2	target
CDN10-H600734479_m1	claudin 10	target	CC11-H600337013_m1	C-C motif chemokine ligand 11	target
CDN11-H600194440_m1	claudin 11	target	CC13-H600234646_m1	C-C motif chemokine ligand 13	target
CDN12-H60073258_s1	claudin 12	target	CC15-CC14-CC115-H600263142_m1	CC15-CC14, C-C motif chemokine ligand 15	target
CDN14-H600273267_s1	claudin 14	target	CC16-H600171123_m1	C-C motif chemokine ligand 16	target
CDN15-H600204982_m1	claudin 15	target	CC17-H600170774_m1	C-C motif chemokine ligand 17	target
CDN16-H601070692_m1	claudin 16	target	CC18-H600268113_m1	C-C motif chemokine ligand 18	target
CDN17-H601043467_s1	claudin 17	target	CC19-H600171149_m1	C-C motif chemokine ligand 19	target
CDN18-H600212584_m1	claudin 18	target	CC11-H60017072_m1	C-C motif chemokine ligand 1	target
CDN19-H600963709_m1	claudin 19	target	CC2-H600234140_m1	C-C motif chemokine ligand 2	target
CDN2-H600232666_s1	claudin 2	target	CC20-H600171125_m1	C-C motif chemokine ligand 20	target
CDN3-H600265816_s1	claudin 3	target	CC21-H600171076_m1	C-C motif chemokine ligand 21	target
CDN4-H600978683_s1	claudin 4	target	CC22-H600171080_m1	C-C motif chemokine ligand 22	target
CDN5-H600253940_s1	claudin 5	target	CC25-H600171144_m1	C-C motif chemokine ligand 25	target
CDN6-H600607528_s1	claudin 6	target	CC26-H600171146_m1	C-C motif chemokine ligand 26	target
CDN7-H600600772_m1	claudin 7	target	UBC-H600824723_m1	ubiquitin C	housekeeping
CDN8-H600186769_s1	claudin 8	target	CC13-H600234142_m1	C-C motif chemokine ligand 3	target
CDN9-H600251134_s1	claudin 9	target	CC4-H600174575_m1	C-C motif chemokine ligand 4	target
DLL1-H600194509_m1	delta like canonical Notch ligand 1	target	CC5-H600174575_m1	C-C motif chemokine ligand 5	target
DSC1-H600245189_m1	desmocollin 1	target	CC7-H600171147_m1	C-C motif chemokine ligand 7	target
DSC2-H600951428_m1	desmocollin 2	target	CC8-H600271616_m1	C-C motif chemokine ligand 8	target
DSC3-H600170032_m1	desmocollin 3	target	CCR1-H600174296_m1	C-C motif chemokine receptor 1	target
DSC4-H600355084_m1	desmocollin 4	target	CCR3-H600356601_m1	C-C motif chemokine receptor 3	target
DSC5-H600170071_m1	desmocollin 5	target	CCR3-H600266213_s1	C-C motif chemokine receptor 3	target
DSC6-H600951897_m1	desmocollin 6	target	CCR4-H99999919_m1	C-C motif chemokine receptor 4	target
DSC7-H60096206_m1	desmocollin 7	target	CCR5-H60052937_m1	C-C motif chemokine receptor 5	target
DSP-H600950501_m1	desmoglein	target	CCR6-H600171121_m1	C-C motif chemokine receptor 6	target
DST-H600156137_m1	dystonin	target	CCR7-H600171054_m1	C-C motif chemokine receptor 7	target
ESAM-H600332781_m1	endothelial cell adhesion molecule	target	CCR8-H600174764_m1	C-C motif chemokine receptor 8	target
F11R-H600170991_m1	Fc11 receptor	target	CD14-H602621496_s1	CD14 molecule	target
GJA1-H600748445_s1	gap junction protein alpha 1	target	CD38-H600174580_m1	CD38 molecule	target
GJA3-H600254296_s1	gap junction protein alpha 3	target	CD68-H600154355_m1	CD68 molecule	target
GJA4-H600704917_s1	gap junction protein alpha 4	target	CD80-H601045161_m1	CD80 molecule	target
GJA5-H600270952_s1	gap junction protein alpha 5	target	CD86-H601570706_m1	CD86 molecule	target
GJA8-H600170980_m1	gap junction protein alpha 8	target	CD8A-H600339937_m1	chromogranin A	target
GJB1-H600939759_s1	gap junction protein beta 1	target	DDIT3-H600358796_g1	DNA damage inducible transcript 3	target
GJB2-H600269615_s1	gap junction protein beta 2	target	PTGS2-H600153133_m1	prostaglandin-endoperoxide synthase 2	target
GJB3-H600278125_s1	gap junction protein beta 3	target	CSF1-H600174164_m1	colony stimulating factor 1	target
GJB4-H600202816_s1	gap junction protein beta 4	target	CTLA4-H600174500_m1	cytotoxic T-lymphocyte associated protein 4	target
GJB5-H601921450_s1	gap junction protein beta 5	target	CX3C1-H600171086_m1	C-X3-C motif chemokine ligand 1	target
GJB6-H600922742_s1	gap junction protein beta 6	target	CX3CR1-H600365842_m1	C-X3-C motif chemokine receptor 1	target
GJC2-H600257113_s1	gap junction protein gamma 2	target	CXCL10-H600171042_m1	C-X-C motif chemokine ligand 10	target
GJDB2-H600950432_m1	gap junction protein delta 2	target	CXCL12-H600171022_m1	C-X-C motif chemokine ligand 12	target
GUC3-H601384570_m1	gap junction protein gamma 3	target	CXCL1-H600236937_m1	C-X-C motif chemokine ligand 1	target
I CAM1-H600164932_m1	intercellular adhesion molecule 1	target	CXCL3-H600171065_m1	C-X-C motif chemokine ligand 9	target
I CAM2-H600609563_m1	intercellular adhesion molecule 2	target	CXCR1-H600174146_m1	C-X-C motif chemokine receptor 1	target
ITGA1-H600235006_m1	integrin subunit alpha 1	target	CXCR2-H600174304_m1	C-X-C motif chemokine receptor 2	target
ITGA2-H600158127_m1	integrin subunit alpha 2	target	CXCR3-H600171041_m1	C-X-C motif chemokine receptor 3	target
ITGA3-H601076873_m1	integrin subunit alpha 3	target	CXCR4-H600237052_m1	C-X-C motif chemokine receptor 4	target
ITGA4-H600168433_m1	integrin subunit alpha 4	target	CXCR6-H600174843_m1	C-X-C motif chemokine receptor 6	target
ITGA5-H601547673_m1	integrin subunit alpha 5	target	ACKR3-H600604567_m1	atypical chemokine receptor 3	target
ITGA6-H601041011_m1	integrin subunit alpha 6	target	FCFR3B/CCR3B-H600275547_m1	Fc fragment of IgG receptor 3 beta 3 fragment of IgG receptor 3 beta 3	target
ITGA7-H600174397_m1	integrin subunit alpha 7	target	GAD2-H600609534_m1	glutamate decarboxylase 2	target
ITGA8-H600233321_m1	integrin subunit alpha 8	target	HCK-H601067403_m1	HCK proto-oncogene, Src family tyrosine kinase	target
ITGA9-H600979865_m1	integrin subunit alpha 9	target	PTPRN-H601090891_g1	protein tyrosine phosphatase, receptor type N	target
ITGAL-H600158218_m1	integrin subunit alpha L	target	IDO1-H600941488_m1	indoleamine 2,3-dioxygenase 1	target
ITGAM-H600355885_m1	integrin subunit alpha M	target	IFNG-H600174143_m1	interferon gamma	target
ITGAV-H600233808_m1	integrin subunit alpha V	target	IL10-H600174086_m1	interleukin 10	target
ITGB1-H600559595_m1	integrin subunit beta 1	target	IL12A-H600168405_m1	interleukin 12A	target
ITGB2-H601616957_m1	integrin subunit beta 2	target	RPLP0-H99999902_m1	ribosomal protein lateral stalk subunit P0	housekeeping
ITGB3-H600014649_m1	integrin subunit beta 3	target	IL12B-H600233688_m1	interleukin 12B	target
ITGB4-H600236216_m1	integrin subunit beta 4	target	IL15-H600542562_m1	interleukin 15	target
ITGB5-H600174435_m1	integrin subunit beta 5	target	IL15RA-H600542602_g1	interleukin 15 receptor subunit alpha	target
ITGB6-H600161658_m1	integrin subunit beta 6	target	IL17A-H600174383_m1	interleukin 17A	target
JAM2-H601022026_m1	junctional adhesion molecule 2	target	IL18A-H600950101_m1	interleukin 1 receptor type 1	target
JAM3-H600230289_m1	junctional adhesion molecule 3	target	IL18-H600174097_m1	interleukin 1 beta	target
JUP-H600158408_m1	junction plakoglobin	target	IL2-H600174114_m1	interleukin 2	target
NOTCH1-H601062014_m1	notch 1	target	IL22-H601574154_m1	interleukin 22	target
NOTCH2-H601050702_m1	notch 2	target	IL4-H600174122_m1	interleukin 4	target
NOTCH3-H601128541_m1	notch 3	target	IL4R-H600166237_m1	interleukin 4 receptor	target
NOTCH4-H600965889_m1	notch 4	target	IL6-H600174131_m1	interleukin 6	target
OCLN-H600170162_m1	occludin	target	CXCL8-H600174103_m1	C-X-C motif chemokine ligand 8	target
PLECH-H600356986_g1	plectin	target	INS-H602741308_m1	insulin	target
NECTIN1-H601591978_m1	nectin cell adhesion molecule 1	target	IAG3-H600958444_g1	lymphocyte activating 3	target
NECTIN2-H601071562_m1	nectin cell adhesion molecule 2	target	LST1-H600705788_s1	leukocyte specific transcript 1	target
NECTIN3-H600210043_m1	nectin cell adhesion molecule 3	target	CIITA-H600172106_m1	class II, major histocompatibility complex, transactivator	target
TJP1-H601518161_m1	tight junction protein 1	target	MF1-H600235988_g1	macrophage migration inhibitory factor	target
TJP2-H600910543_m1	tight junction protein 2	target	NOD2-H600223394_m1	nucleotide binding oligomerization domain containing 2	target
TJP3-H600274276_m1	tight junction protein 3	target	NOS2-H600167257_m1	nitric oxide synthase 2	target
HPRT1-H99999909_m1	hypoxanthine phosphoribosyltransferase 1	housekeeping	PCDD1-H601550088_m1	programmed cell death 1	target
GUSB-H99999908_m1	glucuronidase beta	housekeeping	CD274-H600202457_m1	CD274 molecule	target
ACTB-H99999903_m1	actin beta	housekeeping	PTX3-H600173615_m1	pectin 3	target
B2M-H99999907_m1	beta-2-microglobulin	housekeeping	SIGIRR-H600223247_m1	single Ig and TIR domain containing	target
HMB5-H600609297_m1	hydroxymethylbilane synthase	housekeeping	TMEM173-H600736955_g1	transmembrane protein 173	target
PCB8-H600183533_m1	impartin 8	housekeeping	SYP-H600306531_m1	synaptoophysin	target
PGC1A-H99999906_m1	phosphoglycerate kinase 1	housekeeping	TNF-H600174122_m1	tumor necrosis factor	target
RPLP0-H99999902_m1	ribosomal protein lateral stalk subunit P0	housekeeping	TSpan7-H600190284_m1	tetraspanin 7	target
TBP-H99999910_m1	TATA-box binding protein	housekeeping	VEGFA-H600900054_m1	vascular endothelial growth factor A	target
TRPC-H99999911_m1	transient receptor	housekeeping	CDorf54-H600735289_m1	chromosome 10 open reading frame 54	target
UBC-H600824723_m1	ubiquitin C	housekeeping	KCNJ8-H600958961_m1	potassium voltage-gated channel subfamily 1 member 8	target