

## All TRE List (120 ea), Aug. 2018

Cat. No.	TRE No.	TF Name	Main Pathway
R-TA1001	TA1001	AARE	Amino Acid Deprivation
R-TA1002	TA1002	AFP1	Hepatoma Nuclear Factor
R-TA1003	TA1003	AhR	Xenobiotic/Dioxin
R-TA1004	TA1004	AP1	SAPK/JNK
R-TA1005	TA1005	AP1 v2	PKC/MAPK
R-TA1006	TA1006	AP3	Activator Protein 3
R-TA1007	TA1007	AR	Androgen Receptor
R-TA1008	TA1008	ARE	Antioxidant Reponse
R-TA1009	TA1009	AREB6	AREB6
R-TA1010	TA1010	ATF1	cAMP/PKA
R-TA1011	TA1011	ATF2	MAPK Family Pathway
R-TA1012	TA1012	ATF3	obesity, diabetes
R-TA1013	TA1013	ATF6	Estrogen Receptor Stress Response
R-TA1014	TA1014	ATFs	PI3K Signaling in B Lymphocytes
R-TB1001	TB1001	BACH2	various autoimmune diseases
R-TB1002	TB1002	BMP	Bone Morphogenesis
R-TB1003	TB1003	BMP v2	Bone Morphogenesis
R-TB1004	TB1004	BMP v3	Bone Morphogenesis
R-TC1001	TC1001	C/EBP	C/EBP
R-TC1002	TC1002	C/EBP alpha	C/EBP Alpha
R-TC1003	TC1003	C/EBP beta	C/EBP Beta
R-TC1004	TC1004	CBP	GSK3 Signaling Pathway
R-TC1005	TC1005	CBP/p300	TGF-Beta Pathway
R-TC1006	TC1006	c-Fos	ErbB Family Pathway
R-TC1007	TC1007	CHOP	cytokines (ex, IL-6, IL-1b...)
R-TC1008	TC1008	c-Jun	CCR5 Pathway in Macrophages
R-TC1009	TC1009	c-Myc	ErbB Family Pathway
R-TC1010	TC1010	CREB	cAMP/PKA
R-TC1011	TC1011	CREB3	AKT Signaling pathway
R-TC1012	TC1012	c-Rel	NFkB/Inflammation
R-TC1013	TC1013	CTBP	GSK3 Signaling Pathway
R-TD1001	TD1001	DBP	Insulin
R-TE1001	TE1001	E2F	Cell Cycle
R-TE1002	TE1002	E2F/DP1NFkB	Cell cycle/pRb-E2F
R-TE1003	TE1003	Egr1	Early Growth Response
R-TE1004	TE1004	eIF4E	Interferon Pathway
R-TE1005	TE1005	Elk1	IL-6 Pathway
R-TE1006	TE1006	Elk-1/SRF	MAPK/ERK
R-TE1007	TE1007	ER	Estrogen Receptor
R-TE1008	TE1008	ER Stress Response	Estrogen Receptor Stress Response

R-TE1009	TE1009	ERR alpha	Estrogen Receptor Related Receptor Alpha
R-TE1010	TE1010	ERR beta	Estrogen Receptor Related Receptor Beta
R-TF1001	TF1001	FAST2	TGF Beta Pathway
R-TF1002	TF1002	FKHR	ErbB Family Pathway
R-TF1003	TF1003	FOXO	PI3K/AKT
R-TF1004	TF1004	FoxO1	IL-7
R-TF1005	TF1005	FoxO2	regulation of immune resting stage
R-TF1006	TF1006	FoxO3	PI4K Signaling in B Lymphocytes
R-TF1007	TF1007	FoxO3A	PI3K Signaling in B Lymphocytes
R-TF1008	TF1008	Foxp3	Treg
R-TF1009	TF1009	FXR	Farnesoid X Receptor
R-TG1001	TG1001	GATA	Erythroid Development
R-TG1002	TG1002	GATA3	IL-4, Th2
R-TG1003	TG1003	GCNF	Germ Cell Nuclear Factor
R-TG1004	TG1004	GLI	Hedgehog
R-TG1005	TG1005	GR	Glucocorticoid Receptor
R-TH1001	TH1001	HIF-1	cancer, immune (ex, FLS)
R-TH1002	TH1002	HIF1 alpha	Hypoxia
R-TH1003	TH1003	HIF1A	Hypoxia
R-TH1004	TH1004	HNF1	Hepatocyte Nuclear Factor 1
R-TH1005	TH1005	HNF4 alpha	Hepatocyte Nuclear Factor 4
R-TH1006	TH1006	HSF	Heat Shock
R-TI1001	TI1001	IKBs	IL-6 Pathway
R-TI1002	TI1002	IRF1	Interferon regulation
R-TI1003	TI1003	IRF7	interferon
R-TI1004	TI1004	IRF9	Interferon Pathway
R-TI1005	TI1005	ISGF3(STAT1/2/IRF9)	Type I interferon
R-TI1006	TI1006	ISRE	JAK/STAT1-2
R-TK1001	TK1001	KLF4	KLF4
R-TL1001	TL1001	LXR alpha	Liver X Receptor
R-TL1002	TL1002	LXRE	Liver X Receptor
R-TM1001	TM1001	MEF1	Myocyte Enhancer Factor 1
R-TM1002	TM1002	MEF2	Myocyte Enhancer Factor 2
R-TM1003	TM1003	MEF3	Myocyte Enhancer Factor 3
R-TM1004	TM1004	MR	Mineralocorticoid Receptor
R-TM1005	TM1005	MTF1	Heavy Metal Stress
R-TM1006	TM1006	Myc/Max	Myc/Max
R-TN1001	TN1001	Nanog	Stem Cell Pluripotency
R-TN1002	TN1002	NFAT	PKC/Ca <sup>++</sup>
R-TN1003	TN1003	NF-κB	NFκB
R-TN1004	TN1004	Nrf1	Nuclear Respiratory Factor
R-TN1005	TN1005	NRSF	Neuron Silencing Factor
R-TO1001	TO1001	Oct4	Stem Cell Pluripotency

R-TP1001	TP1001	p50/p65	Angiopoietin-TIE2 signaling
R-TP1002	TP1002	p53	DNA Damage, Apoptosis
R-TP1003	TP1003	PAX6	PAX6
R-TP1004	TP1004	PPAR	Peroxisome Proliferator-Activated Receptor
R-TP1005	TP1005	PPAR gamma	Peroxisome Proliferator-Activated Receptor Gamma
R-TP1006	TP1006	PR	Progesterone Receptor
R-TR1001	TR1001	RARE	Retinoic Acid
R-TR1002	TR1002	RBP-Jk	Notch
R-TR1003	TR1003	ROR alpha 1	Retinoid-Related Orphan Receptor Alpha2
R-TR1004	TR1004	ROR alpha 2	Retinoid-Related Orphan Receptor Alpha2
R-TR1005	TR1005	ROR beta	Retinoid-Related Orphan Receptor Beta
R-TR1006	TR1006	RORE	Retinoid-Related Orphan Receptor
R-TR1007	TR1007	RORr	Th17
R-TR1008	TR1008	RXR	Retinoid X Receptor
R-TS1001	TS1001	SMAD2	IL-2 Gene Expression in Activated and Quiescent T-Cells
R-TS1002	TS1002	SMAD2/3/4	TGF $\beta$
R-TS1003	TS1003	SMAD2/4	IL-2 Gene Expression in Activated and Quiescent T-Cells
R-TS1004	TS1004	SMAD3	IL-2 Gene Expression in Activated and Quiescent T-Cells
R-TS1005	TS1005	SMAD3/4	IL-2 Gene Expression in Activated and Quiescent T-Cells
R-TS1006	TS1006	SMAD4	IL-2 Gene Expression in Activated and Quiescent T-Cells
R-TS1007	TS1007	SMAD6	TGF-Beta Pathway
R-TS1008	TS1008	SMAD7	TGF-Beta Pathway
R-TS1009	TS1009	SMADs	TGF Beta Pathway
R-TS1010	TS1010	Sox2	Stem Cell Pluripotency
R-TS1011	TS1011	Sp1	Specificity Protein 1
R-TS1012	TS1012	SRE	Cholesterol
R-TS1013	TS1013	SRF	Serum Response
R-TS1014	TS1014	STAT1	Inflammation
R-TS1015	TS1015	STAT3	Inflammation
R-TS1016	TS1016	STAT4	Inflammation
R-TS1017	TS1017	STAT5	ErbB Family Pathway
R-TT1001	TT1001	TCF/LEF	Wnt
R-TT1002	TT1002	TGF Beta	TGF Beta
R-TT1003	TT1003	TR	Thyroid Receptor
R-TV1001	TV1001	VDR	Vitamin D Receptor
R-TX1001	TX1001	XBP-1	plasma cell differentiation, antibody secretion
R-TY1001	TY1001	YY1	Yin Yang 1