

Supplementary Table

Table S1. Table of abbreviations. The name of each molecular species or cellular process is listed along with its abbreviation and the corresponding name of the element that represents it in the model. Each model element name is the same as the name used for it in the computer programs. Since the programming languages do not allow Greek characters they are replaced with lower-case Roman letters. To further distinguish model element names from actual molecule or cellular-process names they are rendered in `monotype` font. The # symbol in abbreviations or model element names stands for an arbitrary integer number. Abbreviations or model element names are not applicable (n/a) to items that are, respectively, not abbreviated in the text or do not appear in the current version of the model.

Name	Abbreviation	Model element
acetylcholine	ACh	ACh
adaptor protein 1	AP1	AP1
Alzheimer Disease	AD	n/a
amyloid- β	A β	Ab
Arginase 1	Arg1	Arg1
α 6 β 1 integrin	α 6 β 1	a6b1
α 7 nicotinic acetylcholine receptor	α 7nAChR	a7nAChR
c-Jun N terminal kinase	JNK	JNK
cluster of differentiation #	CD#	CD#
cluster of differentiation # ligand	CD#L	CD#L
cluster of differentiation # receptor	CD#R	CD#R
cytochrome C oxygenase #	COX#	COX#
cytoskeleton	n/a	cyto
docking protein #	Dok#	Dok#
DNA-X adaptor protein 12	DAP12	DAP12
E prostanoid receptor 2	EP2	EP2
extracellular signal-related kinase	ERK	ERK
fibrillar A β	fA β	n/a
forkhead box protein O	FOXO	FOXO
fractalkine	CX3CL1	CX3CL1
fractalkine receptor	CX3CR1	CX3CR1
growth factor receptor binding protein 2	GRB2	GRB2
G protein q	Gq	Gq
GTPase-activating protein	GAP	GAP
hydrogen sulfide	H2S	n/a
inducible nitric oxide synthase	iNOS	iNOS
inhibitor of κ B	I κ B	I κ B
inhibitor of κ B kinase	IKK	IKK
IL1 receptor-associated kinase	IRAK	IRAK
insulin receptor	IR	n/a
insulin receptor insulin-like growth factor 1 receptor	IRIGF1R	IRIGF1R
insulin-like growth factor 1	IGF1	IGF1
insulin-like growth factor # receptor	IGF#R	IGF#R
interferon γ	IFN γ	IFN γ
interferon receptor	IFNR	IFNR

interleukin 1 β	IL1 β	IL1b
interleukin #	IL#	IL#
interleukin # receptor	IL#R	IL#R
interleukin 1 receptor antagonist	IL1Ra	IL1Ra
Janus kinase #	JAK#	JAK#
lipopolysaccharide	LPS	LPS
liver tyrosine kinase	Lyn	Lyn
liver X receptor β	LXR β	LXRb
MAPK/ERK kinase	MEK	MEK
mitogen-activated protein kinase	MAPK	MAPK
mitogen-activated protein # kinase	MAP#K	MAP#K
myeloid differentiation primary response protein	MyD88	MyD88
nicotinamide adenine dinucleotide phosphate (reduced)	NADPH	NADPH
nitric oxide	NO	NO
non-steroidal anti-inflammatory drugs	NSAIDs	n/a
nuclear factor κ B	NF κ B	NF κ B
peroxisome proliferator-activated receptor γ	PPAR γ	PPAR γ
phagocytosis	n/a	phago
phosphoinositide 3 kinase	PI3K	PI3K
prostaglandin E 2	PGE2	PGE2
protein 38 mitogen-activated protein kinase	p38MAPK	p38MAPK
protein kinase B	Akt	Akt
protein kinase C	PKC	PKC
phosphatidylinositol 3 kinase	PI3K	PI3K
Rac member of the Rho family of GTPases	Rac	Rac
Ras member of the Rho family of GTPases	Ras	Ras
reactive oxygen species	ROS	ROS
receptor-interacting protein 1	RIP1	RIP1
retinoic acid	n/a	retino
retinoid X receptor	RXR	RXR
rosiglitazone	n/a	rosi
sarcoma homology domain 2-containing inositol phosphatase 1	SHIP1	SHIP1
scavenger receptor A	SRA	SRA
signal transducer and activator of transcription #	STAT#	STAT#
Sma and Mad proteins from <i>C. elegans</i> and <i>Drosophila</i> , respectively	Smad	Smad
spleen tyrosine kinase	Syk	Syk
superoxide dismutase	SOD	SOD
Toll-like receptor #	TLR#	TLR#
Toll/interleukin 1 receptor (TIR)-domain-containing adaptor-inducing	TRIF	TRIF
interferon β		
TNF receptor-associated factor 6	TRAF6	TRAF6
transforming growth factor β	TGF β	TGFb
transforming growth factor-associated kinase 1	TAK1	TAK1
transforming growth factor receptor	TGFR	TGFR
triggering receptor expressed on myeloid cells 2	TREM2	TREM2
triggering receptor expressed on myeloid cells 2 ligand	TREM2L	TREM2L
tumor necrosis factor α	TNF α	TNFa
tumor necrosis factor receptor	TNFR	TNFR
Vav guanine nucleotide exchange factor	Vav	Vav
Ym1 chitinase-like protein	Ym1	Ym1