

## 7.5 Supplementary Tables

Table 7: Small T-LGL rules

Node	Boolean Rule
S1P	(not Ceramide)
FLIP	(not DISC)
Fas	(not S1P)
Ceramide	Fas and (not S1P)
DISC	Ceramide or (Fas and (not FLIP))
Apoptosis	DISC

Table 8: Functions for large T-LGL model.

Node	Rule
CTLA4	TCR
TCR	Stimuli and not CTLA4
PDGFR	S1P or PDGF
FYN	TCR or IL2RB
Cytoskeleton_signaling	FYN
LCK	CD45 or ((TCR or IL2RB) and not ZAP70)
ZAP70	LCK and not FYN
GRB2	IL2RB or ZAP70
PLCG1	GRB2 or PDGFR
KRAS	(GRB2 or PLCG1) and not GAP
GAP	(KRAS or (PDGFR and GAP)) and not (IL15 or IL2)
MEK	KRAS
ERK	MEK and PI3K
PI3K	PDGFR or KRAS
NFKB	(TPL2 or PI3K) or (FLIP and TRADD and IAP)
NFAT	PI3K
RANTES	NFKB
IL2	(NFKB or STAT3 or NFAT) and not TBET
IL2RBT	ERK and TBET
IL2RB	IL2RBT and (IL2 or IL15)
IL2RAT	IL2 and (STAT3 or NFKB)
IL2RA	(IL2 and IL2RAT) and not IL2RA
JAK	(IL2RA or IL2RB or RANTES or IFNG) and not (SOCS or CD45)
SOCS	JAK and not (IL2 or IL15)
STAT3	JAK
P27	STAT3
Proliferation	STAT3 and not P27
TBET	JAK or TBET
CREB	ERK and IFNG
IFNGT	TBET or STAT3 or NFAT
IFNG	((IL2 or IL15 or Stimuli) and IFNGT) and not (SMAD or P2)
P2	(IFNG or P2) and not Stimuli2
GZMB	(CREB and IFNG) or TBET
TPL2	TAX or (PI3K and TNF)
TNF	NFKB
TRADD	TNF and not (IAP or A20)
FasL	STAT3 or NFKB or NFAT or ERK
FasT	NFKB

Fas	(FasT and FasL) and not sFas
sFas	FasT and S1P
Ceramide	Fas and not S1P
DISC	FasT and ((Fas and IL2) or Ceramide or (Fas and not FLIP))
Caspase	((TRADD or GZMB) and BID) and not IAP) or DISC
FLIP	(NFkB or (CREB and IFNG)) and not DISC
A20	NFkB
BID	(Caspase or GZMB) and not (BclxL or MCL1)
IAP	NFkB and not BID
BclxL	(NFkB or STAT3) and not (BID or GZMB or DISC)
MCL1	(IL2RB and STAT3 and NFkB and PI3K) and not DISC
Apoptosis	Caspase
GPCR	S1P
SMAD	GPCR
SPHK1	PDGFR
S1P	SPHK1 and not Ceramide
PDGF	0
IL15	1
Stimuli	1
Stimuli2	0
CD45	0
TAX	0