

1 Supplementary Information

2 Appendix A

3 Microarray data analysis

4 Emergent microarray technology using Affymetrix® GeneChip arrays paved a significant way to
5 understand better cancer prediction and diagnosis and a better method to discover target drugs
6 to treat malignant tumours. Affymetrix® GeneChip arrays
7 (<http://www.affymetrix.com/index.affx>) are high-density oligonucleotide gene expression arrays
8 mainly used in biomedical research (Source: <http://www.weizmann.ac.il/>). The DNA microarray
9 technology, including the design of experiments to extract mRNA samples, has been applied to
10 analyse human cancers, such as breast, prostate and leukaemia [1]. mRNA samples are
11 hybridised using a gene chip, which contained a strand of all human genome genes, such as HG-
12 U133 Plus 2. Raw gene data are extracted from image analysis by measuring the level of
13 hybridisation on the chip. Complementary DNA (cDNA) microarray and oligonucleotide chips are
14 the two approaches for manufacturing the microarrays. cDNA arrays are fabricated by robotic
15 spotting on glass slides, and oligonucleotide arrays are developed by photolithographic
16 chemistry and light-directed chemical synthesis on small glass plates [2].

17 Oligonucleotide gene expression arrays treat each gene as 11-20 different probe pairs called a
18 "probe set". Each probe consists of 25 nucleotide bases, and each probe set has two
19 components: perfect match (PM), which refers to the specific sequence, and mismatch (MM),
20 which is used to measure noise caused by non-specific binding. The expression level of a gene is
21 then calculated by the average of the difference between PM and MM for all probe pairs of the
22 gene, as given by:

$$23 E_i = \sum_{j=1}^p (PM_j - MM_j) \quad (1)$$

24 where i represents the gene i , p is the total number of the probe pairs of the gene i . j is an
25 incremental value and presents as one probe pair.

26 Gene expression matrices are microarray data analysis, where rows denote genes and columns
27 indicate samples. Microarray data analysis can be conducted by generating cell intensity (.CEL)
28 files using the Affymetrix GeneChip Operating System Software (GCOS). The generated cell
29 intensity files can then be converted into gene expression matrices using the R package, *affy* [3].

30 An experiment may commonly involve extracting gene expression matrices at different time
31 points with the same sample set. We will yield time series expression data if we reorganise the
32 extracted gene expression matrices based on time points.

33 Time series expression data typically contain a series of m microarray expression measurements
34 in the order of time points, involving n genes. The gene expression data represent an $m \times n$ table
35 (\check{T}) where m served as columns and n as rows [4]. There might be multiple samples, and each
36 sample contains the same number of m and n but with different measurements. Combining all
37 samples, it becomes a three-dimensional sample data space, \check{S} . Hence, the entry, e_{ij}^s , in row i and
38 column j of the table \check{T}_s denotes the expression level of gene i in the j th measurement of the
39 sample, s . Most data analysis is undertaken with a straightforward table, \check{T}_s (matrix) such as
40 using cell cycle analyses. However, data analysis on a three-dimensional sample data space (\check{S}_s)
41 might become more prevalent [4].

42 Meaningful temporal gene expression patterns can be extracted from the time series data and
43 genes associated with each gene group. The relationships of gene groups can be modelled and
44 depicted by Genetic Regulatory Networks (GRNs), such as Boolean network modelling. Based on
45 the availability of time points that can be extracted from experiments, time series data can be
46 categorised into two main groups: short time series with the number of time points fewer than
47 eight, and long-time series with the amount of time points more than eight [5, 6].

1 According to previous research [6, 7], about 80% of published experimental data are short time
2 series because the expense involved in acquiring genetic data are not economical. Besides, the
3 period of a patient's treatment is usually either too short or fatal [8]. Even if the expense is not a
4 concern, short time series experiments are still dominant because obtaining large quantities of
5 biological material is prohibitive [6].

6 Traditional algorithms do not perform well with short time series data due to the lack of the time
7 series's required length [8, 9]. The construction and validation of traditional models are also
8 complicated [10]. Short time series data typically contain an enormous number of genes but only
9 a few observations. Knowledge of the kinetic parameters and mechanical details cannot be
10 inferred consistently from short time series data because the data are very noisy and contain
11 various lengths of temporal observational gaps. Valuable information may be missing between
12 the sparse observation gaps and may lead to incorrect conclusions.

13 Choosing the most suitable and dependable method to address a particular biological question
14 from a specific dataset is a significant research question. One criterion is the capability to detect
15 differentially expressed genes in terms of precision (specificity/variance) and accuracy
16 (sensitivity/bias) [11].

17 Differentially expressed genes are highly dependent on the normalisation methods that alter
18 how the correction structure from the data impacts the accuracy of cellular networks' inference.
19 Microarray normalisation, typically, involves three main steps: background correction that
20 removes background noise from the signal intensities; data normalisation that eliminates non-
21 biological variability between arrays and makes distributions across arrays; and summarisation,
22 that provides a single expression measure to each probe set in the array. The most common
23 normalisation methods are MAS5.0, RMA (Robust Multichip Average) and GCRMA (GeneChip
24 RMA). MAS5.0 applies MM probes to adjust the PM probes for probe-specific non-specific
25 binding for background correction. MAS5.0 uses a baseline array and scales all the other arrays
26 to have the same mean intensity for normalisation and uses Tukey's biweight function for
27 summarisation [12]. RMA [13] applies a global correction, quantile normalisation and a median
28 polish summarisation. The GCRMA [14] has been improved from RMA in that it uses the probe
29 sequence information for background correction and is bias-corrected.

30 Gene expression microarray data, which are quantitative and semi-quantitative for cell status on
31 a particular condition and time, are the most current data for bio-scientists to use [15]. The
32 progress in systems biology has led to the development of complete genetic regulatory networks
33 of many organisms' genomes [16].

34 The reconstruction of the dynamics, represented by time and the discrete state transition
35 systems to gain insights into cell systems' functioning, attracts more and more attention [17-20].
36 These dynamics can be used to simulate the perturbations of new drugs *in silico* to reduce the
37 potential risk of applying drugs to human beings. For example, [7] identified new glucocorticoid-
38 regulated genes through the inferred GC-regulation networks. The newly identified genes may
39 help pharmacists develop new drugs containing fewer side effects when applying chemotherapy.

40
41

1 Appendix B

2

3 Table 1 Inferred FBN cell cycle network [21]

Fundamental Boolean Network with 10 genes

Genes involved:

CycD, Rb, E2F, CycE, CycA, p27, Cdc20, Cdh1, UbcH10, CycB

Networks:

Multiple Transition Functions for CycD with decay value=1:

CycD_1_Activator: $CycD = CycD$ (Confidence: 1, TimeStep: 1)

CycD_1_Inhibitor: $CycD = !CycD$ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for Rb with decay value=1:

Rb_1_Activator: $Rb = !CycD \& p27 \& !CycB$ (Confidence: 1, TimeStep: 1)

Rb_2_Activator: $Rb = !CycD \& !CycE \& !CycB \& !CycA$ (Confidence: 1, TimeStep: 1)

Rb_1_Inhibitor: $Rb = CycD$ (Confidence: 1, TimeStep: 1)

Rb_2_Inhibitor: $Rb = CycB$ (Confidence: 1, TimeStep: 1)

Rb_3_Inhibitor: $Rb = CycA \& !p27$ (Confidence: 1, TimeStep: 1)

Rb_4_Inhibitor: $Rb = CycE \& !p27$ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for E2F with decay value=1:

E2F_1_Activator: $E2F = !Rb \& !CycA \& !CycB$ (Confidence: 1, TimeStep: 1)

E2F_2_Activator: $E2F = !Rb \& p27 \& !CycB$ (Confidence: 1, TimeStep: 1)

E2F_1_Inhibitor: $E2F = Rb$ (Confidence: 1, TimeStep: 1)

E2F_2_Inhibitor: $E2F = CycB$ (Confidence: 1, TimeStep: 1)

E2F_3_Inhibitor: $E2F = CycA \& !p27$ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CycE with decay value=1:

CycE_1_Activator: $CycE = !Rb \& E2F$ (Confidence: 1, TimeStep: 1)

CycE_1_Inhibitor: $CycE = !E2F$ (Confidence: 1, TimeStep: 1)

CycE_2_Inhibitor: $CycE = Rb$ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CycA with decay value=1:

CycA_1_Activator: $CycA = !Rb \& E2F \& !Cdc20 \& !UbcH10$ (Confidence: 1, TimeStep: 1)

CycA_2_Activator: $CycA = !Rb \& CycA \& !Cdc20 \& !UbcH10$ (Confidence: 1, TimeStep: 1)

CycA_3_Activator: $CycA = !Rb \& CycA \& !Cdc20 \& !Cdh1$ (Confidence: 1, TimeStep: 1)

CycA_4_Activator: $CycA = !Rb \& E2F \& !Cdc20 \& !Cdh1$ (Confidence: 1, TimeStep: 1)

CycA_1_Inhibitor: $CycA = Rb$ (Confidence: 1, TimeStep: 1)

CycA_2_Inhibitor: $CycA = Cdc20$ (Confidence: 1, TimeStep: 1)

CycA_3_Inhibitor: $CycA = !E2F \& !CycA$ (Confidence: 1, TimeStep: 1)

CycA_4_Inhibitor: CycA = Cdh1&UbcH10 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for p27 with decay value=1:

p27_1_Activator: p27 = !CycD&!CycE&!CycB&!CycA (Confidence: 1, TimeStep: 1)

p27_2_Activator: p27 = !CycD&!CycA&!CycB&p27 (Confidence: 1, TimeStep: 1)

p27_3_Activator: p27 = !CycD&!CycE&!CycB&p27 (Confidence: 1, TimeStep: 1)

p27_1_Inhibitor: p27 = CycD (Confidence: 1, TimeStep: 1)

p27_2_Inhibitor: p27 = CycB (Confidence: 1, TimeStep: 1)

p27_3_Inhibitor: p27 = CycA&!p27 (Confidence: 1, TimeStep: 1)

p27_4_Inhibitor: p27 = CycE&!p27 (Confidence: 1, TimeStep: 1)

p27_5_Inhibitor: p27 = CycE&CycA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for Cdc20 with decay value=1:

Cdc20_1_Activator: Cdc20 = CycB (Confidence: 1, TimeStep: 1)

Cdc20_2_Inhibitor: Cdc20 = !CycB (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for Cdh1 with decay value=1:

Cdh1_1_Activator: Cdh1 = Cdc20 (Confidence: 1, TimeStep: 1)

Cdh1_2_Activator: Cdh1 = !CycA&!CycB (Confidence: 1, TimeStep: 1)

Cdh1_3_Activator: Cdh1 = p27&!CycB (Confidence: 1, TimeStep: 1)

Cdh1_1_Inhibitor: Cdh1 = !Cdc20&CycB (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for UbcH10 with decay value=1:

UbcH10_1_Activator: UbcH10 = !Cdh1 (Confidence: 1, TimeStep: 1)

UbcH10_2_Activator: UbcH10 = Cdc20&UbcH10 (Confidence: 1, TimeStep: 1)

UbcH10_3_Activator: UbcH10 = UbcH10&CycB (Confidence: 1, TimeStep: 1)

UbcH10_4_Activator: UbcH10 = CycA&UbcH10 (Confidence: 1, TimeStep: 1)

UbcH10_1_Inhibitor: UbcH10 = Cdh1&!UbcH10 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CycB with decay value=1:

CycB_1_Activator: CycB = !Cdc20&!Cdh1 (Confidence: 1, TimeStep: 1)

CycB_1_Inhibitor: CycB = Cdh1 (Confidence: 1, TimeStep: 1)

CycB_2_Inhibitor: CycB = Cdc20 (Confidence: 1, TimeStep: 1)

1

2

1 Appendix C

2 Common Annotated Leukaemia Genes

Probeset	Symbol	Gene.Name
241765_at	CPM	carboxypeptidase M(CPM)
1565717_s_at	FUS	FUS RNA binding protein(FUS)
207216_at	TNFSF8	tumour necrosis factor superfamily member 8(TNFSF8)
222281_s_at	LOC100505650	uncharacterized LOC100505650(LOC100505650)
1559091_s_at	FGD2	FYVE, RhoGEF and PH domain containing 2(FGD2)
224847_at	CDK6	cyclin dependent kinase 6(CDK6)
232238_at	ASPM	abnormal spindle microtubule assembly(ASPM)
230499_at	BIRC3	baculoviral IAP repeat containing 3(BIRC3)
201577_at	NME1	NME/NM23 nucleoside diphosphate kinase 1(NME1)
205967_at	HIST4H4	histone cluster 4 H4(HIST4H4)
202156_s_at	CELF2	CUGBP, Elav-like family member 2(CELF2)
220046_s_at	CCNL1	cyclin L1(CCNL1)
218883_s_at	CENPU	centromere protein U(CENPU)
239635_at	RBM14	RNA binding motif protein 14(RBM14)
236641_at	KIF14	kinesin family member 14(KIF14)
1556473_at	LOC285097	uncharacterized FLJ38379(LOC285097)
203541_s_at	KLF9	Kruppel like factor 9(KLF9)
203401_at	PRPS2	phosphoribosyl pyrophosphate synthetase 2(PRPS2)
227062_at	NEAT1	nuclear paraspeckle assembly transcript 1 (non-protein coding)(NEAT1)
208079_s_at	AURKA	aurora kinase A(AURKA)
217763_s_at	RAB31	RAB31, member RAS oncogene family(RAB31)
1557910_at	HSP90AB1	heat shock protein 90 alpha family class B member 1(HSP90AB1)
218755_at	KIF20A	kinesin family member 20A(KIF20A)
210567_s_at	SKP2	S-phase kinase associated protein 2(SKP2)
1554768_a_at	MAD2L1	MAD2 mitotic arrest deficient-like 1 (yeast)(MAD2L1)
222962_s_at	MCM10	minichromosome maintenance 10 replication initiation factor(MCM10)
204150_at	STAB1	stabilin 1(STAB1)
204863_s_at	IL6ST	interleukin 6 signal transducer(IL6ST)
225160_x_at	MDM2	MDM2 proto-oncogene(MDM2)
1558143_a_at	BCL2L11	BCL2 like 11(BCL2L11)
213454_at	APITD1-CORT	APITD1-CORT readthrough(APITD1-CORT)
216277_at	BUB1	BUB1 mitotic checkpoint serine/threonine kinase(BUB1)
1568718_at	SLC22A23	solute carrier family 22 member 23(SLC22A23)
233969_at	IGLC1	immunoglobulin lambda constant 1(IGLC1)
1553106_at	C5orf24	chromosome 5 open reading frame 24(C5orf24)
217418_x_at	MS4A1	membrane spanning 4-domains A1(MS4A1)

202580_x_at	FOXM1	forkhead box M1(FOXM1)
219258_at	TIPIN	TIMELESS interacting protein(TIPIN)
219392_x_at	PRR11	proline rich 11(PRR11)
212912_at	RPS6KA2	ribosomal protein S6 kinase A2(RPS6KA2)
1562364_at	GVINP1	GTPase, very large interferon inducible pseudogene 1(GVINP1)
201013_s_at	PAICS	phosphoribosylaminoimidazole carboxylase; phosphoribosylaminoimidazolesuccinocarboxamide synthase(PAICS)
227265_at	FGL2	fibrinogen like 2(FGL2)
214581_x_at	TNFRSF21	TNF receptor superfamily member 21(TNFRSF21)
235574_at	GBP4	guanylate binding protein 4(GBP4)
213253_at	SMC2	structural maintenance of chromosomes 2(SMC2)
222874_s_at	CLN8	ceroid-lipofuscinosis, neuronal 8(CLN8)
238447_at	RBMS3	RNA binding motif single stranded interacting protein 3(RBMS3)
204026_s_at	ZWINT	ZW10 interacting kinetochore protein(ZWINT)
204560_at	FKBP5	FK506 binding protein 5(FKBP5)
219555_s_at	CENPN	centromere protein N(CENPN)
202975_s_at	RHOBTB3	Rho related BTB domain containing 3(RHOBTB3)
209116_x_at	HBB	hemoglobin subunit beta(HBB)
227957_at	GSN	gelsolin(GSN)
203612_at	BYSL	bystin like(BYSL)
226517_at	BCAT1	branched chain amino acid transaminase 1(BCAT1)
204698_at	ISG20	Interferon stimulated exonuclease gene 20(ISG20)
1556599_s_at	ARPP21	cAMP regulated phosphoprotein 21(ARPP21)
203033_x_at	FH	fumarate hydratase(FH)
212974_at	DENND3	DENN domain containing 3(DENND3)
221436_s_at	CDCA3	cell division cycle associated 3(CDCA3)
223381_at	NUF2	NUF2, NDC80 kinetochore complex component(NUF2)
207931_s_at	PFKFB2	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2(PFKFB2)
1555728_a_at	MS4A4A	membrane spanning 4-domains A4A(MS4A4A)
235609_at	BRIP1	BRCA1 interacting protein C-terminal helicase 1(BRIP1)
237241_at	ECT2	epithelial cell transforming 2(ECT2)
228323_at	KNL1	kinetochore scaffold 1(KNL1)
203213_at	CDK1	cyclin dependent kinase 1(CDK1)
205048_s_at	PSPH	phosphoserine phosphatase(PSPH)
1556472_s_at	SCML4	sex comb on midleg-like 4 (Drosophila)(SCML4)
221557_s_at	LEF1	lymphoid enhancer binding factor 1(LEF1)
226661_at	CDCA2	cell division cycle associated 2(CDCA2)
203967_at	CDC6	cell division cycle 6(CDC6)
201897_s_at	CKS1B	CDC28 protein kinase regulatory subunit 1B(CKS1B)
204007_at	FCGR3B	Fc fragment of IgG receptor IIIb(FCGR3B)

206865_at	HRK	harakiri, BCL2 interacting protein(HRK)
227212_s_at	PHF19	PHD finger protein 19(PHF19)
1560706_at	NEDD9	neural precursor cell expressed, developmentally down-regulated 9(NEDD9)
235102_x_at	SNORD3B-1	small nucleolar RNA, C/D box 3B-1(SNORD3B-1)
226611_s_at	CENPV	centromere protein V(CENPV)
205883_at	ZBTB16	zinc finger and BTB domain containing 16(ZBTB16)
1564796_at	EMP1	epithelial membrane protein 1(EMP1)
218346_s_at	SESN1	sestrin 1(SESN1)
202533_s_at	DHFR	dihydrofolate reductase(DHFR)
210983_s_at	MCM7	minichromosome maintenance complex component 7(MCM7)
227404_s_at	EGR1	early growth response 1(EGR1)
205909_at	POLE2	DNA polymerase epsilon 2, accessory subunit(POLE2)
213931_at	ID2	inhibitor of DNA binding 2, HLH protein(ID2)
210052_s_at	TPX2	TPX2, microtubule nucleation factor(TPX2)
204727_at	WDHD1	WD repeat and HMG-box DNA binding protein 1(WDHD1)
205023_at	RAD51	RAD51 recombinase(RAD51)
224797_at	ARRDC3	arrestin domain containing 3(ARRDC3)
206940_s_at	POU4F1	POU class 4 homeobox 1(POU4F1)
211430_s_at	MIR8071-1	microRNA 8071-1(MIR8071-1)
209723_at	SERPINB9	serpin family B member 9(SERPINB9)
214710_s_at	CCNB1	cyclin B1(CCNB1)
1556209_at	CLEC2B	C-type lectin domain family 2 member B(CLEC2B)
211428_at	SERPINA1	serpin family A member 1(SERPINA1)
211590_x_at	TBXA2R	thromboxane A2 receptor(TBXA2R)
204959_at	MNDA	myeloid cell nuclear differentiation antigen(MNDA)
232278_s_at	DEPDC1	DEP domain containing 1(DEPDC1)
228071_at	GIMAP7	GTPase, IMAP family member 7(GIMAP7)
211646_at	IGH	immunoglobulin heavy locus(IGH)
227426_at	SOS1	SOS Ras/Rac guanine nucleotide exchange factor 1(SOS1)
200733_s_at	PTP4A1	protein tyrosine phosphatase type IVA, member 1(PTP4A1)
202870_s_at	CDC20	cell division cycle 20(CDC20)
239818_x_at	TRIB1	tribbles pseudokinase 1(TRIB1)
227312_at	SNTB2	syntrophin beta 2(SNTB2)
201009_s_at	TXNIP	thioredoxin interacting protein(TXNIP)
213008_at	FANCI	Fanconi anemia complementation group I(FANCI)
204531_s_at	BRCA1	BRCA1, DNA repair associated(BRCA1)
1553666_at	CCDC34	coiled-coil domain containing 34(CCDC34)
201761_at	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase(MTHFD2)
1556201_at	RNASET2	ribonuclease T2(RNASET2)
221505_at	ANP32E	acidic nuclear phosphoprotein 32 family member E(ANP32E)

228868_x_at	CDT1	chromatin licensing and DNA replication factor 1(CDT1)
228033_at	E2F7	E2F transcription factor 7(E2F7)
202911_at	MSH6	mutS homolog 6(MSH6)
210660_at	LILRA1	leukocyte immunoglobulin like receptor A1(LILRA1)
213562_s_at	SQLE	squalene epoxidase(SQLE)
222848_at	CENPK	centromere protein K(CENPK)
222870_s_at	B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2(B3GNT2)
203416_at	CD53	CD53 molecule(CD53)
219978_s_at	NUSAP1	nucleolar and spindle associated protein 1(NUSAP1)
223274_at	TCF19	transcription factor 19(TCF19)
229041_s_at	ITGB2-AS1	ITGB2 antisense RNA 1(ITGB2-AS1)
204962_s_at	CENPA	centromere protein A(CENPA)
218662_s_at	NCAPG	non-SMC condensin I complex subunit G(NCAPG)
1554899_s_at	FCER1G	Fc fragment of IgE receptor Ig(FCER1G)
207826_s_at	ID3	inhibitor of DNA binding 3, HLH protein(ID3)
202345_s_at	FABP5	fatty acid binding protein 5(FABP5)
203764_at	DLGAP5	DLG associated protein 5(DLGAP5)
234366_x_at	CKAP2	cytoskeleton associated protein 2(CKAP2)
203037_s_at	MTSS1	MTSS1, I-BAR domain containing(MTSS1)
211519_s_at	KIF2C	kinesin family member 2C(KIF2C)
219148_at	PBK	PDZ binding kinase(PBK)
234307_s_at	KIF26A	kinesin family member 26A(KIF26A)
204033_at	TRIP13	thyroid hormone receptor interactor 13(TRIP13)
223556_at	HELLS	helicase, lymphoid-specific(HELLS)
205263_at	BCL10	B-cell CLL/lymphoma 10(BCL10)
208949_s_at	LGALS3	galectin 3(LGALS3)
228964_at	PRDM1	PR/SET domain 1(PRDM1)
219493_at	SHCBP1	SHC binding and spindle associated 1(SHCBP1)
210448_s_at	P2RX5	purinergic receptor P2X 5(P2RX5)
209709_s_at	HMMR	hyaluronan mediated motility receptor(HMMR)
214146_s_at	PPBP	pro-platelet basic protein(PPBP)
202094_at	BIRC5	baculoviral IAP repeat containing 5(BIRC5)
238022_at	CRNDE	colorectal neoplasia differentially expressed (non-protein coding)(CRNDE)
212949_at	NCAPH	non-SMC condensin I complex subunit H(NCAPH)
206591_at	RAG1	recombination activating 1(RAG1)
1555274_a_at	SELENOI	selenoprotein I(SELENOI)
230992_at	BTNL9	butyrophilin like 9(BTNL9)
205046_at	CENPE	centromere protein E(CENPE)
204128_s_at	RFC3	replication factor C subunit 3(RFC3)
210517_s_at	AKAP12	A-kinase anchoring protein 12(AKAP12)

201369_s_at	ZFP36L2	ZFP36 ring finger protein like 2(ZFP36L2)
225282_at	SMAP2	small ArfGAP2(SMAP2)
204444_at	KIF11	kinesin family member 11(KIF11)
211713_x_at	KIAA0101	KIAA0101(KIAA0101)
224753_at	CDCA5	cell division cycle associated 5(CDCA5)
223344_s_at	MS4A7	membrane spanning 4-domains A7(MS4A7)
214445_at	ELL2	elongation factor for RNA polymerase II 2(ELL2)
204822_at	TTK	TTK protein kinase(TTK)
225949_at	MIR6845	microRNA 6845(MIR6845)
218355_at	KIF4A	kinesin family member 4A(KIF4A)
220285_at	ABHD17B	abhydrolase domain containing 17B(ABHD17B)
219306_at	KIF15	kinesin family member 15(KIF15)
201890_at	RRM2	ribonucleotide reductase regulatory subunit M2(RRM2)
206660_at	IGLL1	immunoglobulin lambda like polypeptide 1(IGLL1)
232164_s_at	EPPK1	epiplakin 1(EPPK1)
203723_at	ITPKB	inositol-trisphosphate 3-kinase B(ITPKB)
201292_at	TOP2A	topoisomerase (DNA) II alpha(TOP2A)
203560_at	GGH	gamma-glutamyl hydrolase(GGH)
215117_at	RAG2	recombination activating 2(RAG2)
225685_at	CDC42EP3	CDC42 effector protein 3(CDC42EP3)
205393_s_at	CHEK1	checkpoint kinase 1(CHEK1)
204768_s_at	FEN1	flap structure-specific endonuclease 1(FEN1)
39402_at	IL1B	interleukin 1 beta(IL1B)
238015_at	C4orf46	chromosome 4 open reading frame 46(C4orf46)
225834_at	FAM72C	family with sequence similarity 72 member C(FAM72C)
202887_s_at	DDIT4	DNA damage inducible transcript 4(DDIT4)
221521_s_at	GINS2	GINS complex subunit 2(GINS2)
207697_x_at	LILRB2	leukocyte immunoglobulin like receptor B2(LILRB2)
212141_at	MCM4	minichromosome maintenance complex component 4(MCM4)
204165_at	WASF1	WAS protein family member 1(WASF1)
209172_s_at	CENPF	centromere protein F(CENPF)
224140_at	NPCDR1	nasopharyngeal carcinoma, down-regulated 1(NPCDR1)
223276_at	SMIM3	small integral membrane protein 3(SMIM3)
203305_at	F13A1	coagulation factor XIII A chain(F13A1)
203418_at	CCNA2	cyclin A2(CCNA2)
218542_at	CEP55	centrosomal protein 55(CEP55)
218404_at	SNX10	sorting nexin 10(SNX10)
208078_s_at	SIK1	salt inducible kinase 1(SIK1)
219000_s_at	DSCC1	DNA replication and sister chromatid cohesion 1(DSCC1)
211088_s_at	PLK4	polo like kinase 4(PLK4)
1554732_at	LOC728175	uncharacterized LOC728175(LOC728175)

211424_x_at	METTL7A	methyltransferase like 7A(METTL7A)
202705_at	CCNB2	cyclin B2(CCNB2)
212021_s_at	MKI67	marker of proliferation Ki-67(MKI67)
221757_at	PIK3IP1	phosphoinositide-3-kinase interacting protein 1(PIK3IP1)
211814_s_at	CCNE2	cyclin E2(CCNE2)
215455_at	TIMELESS	timeless circadian clock(TIMELESS)
202954_at	UBE2C	ubiquitin conjugating enzyme E2 C(UBE2C)
205033_s_at	DEFA1	defensin alpha 1(DEFA1)
205339_at	STIL	SCL/TAL1 interrupting locus(STIL)
205098_at	CCR1	C-C motif chemokine receptor 1(CCR1)
209999_x_at	SOCS1	suppressor of cytokine signaling 1(SOCS1)
202338_at	TK1	thymidine kinase 1(TK1)
229610_at	CKAP2L	cytoskeleton associated protein 2 like(CKAP2L)
207746_at	POLQ	DNA polymerase theta(POLQ)
203708_at	PDE4B	phosphodiesterase 4B(PDE4B)
229551_x_at	ZNF367	zinc finger protein 367(ZNF367)
214744_s_at	SNORA21	small nucleolar RNA, H/ACA box 21(SNORA21)
203528_at	SEMA4D	semaphorin 4D(SEMA4D)
206618_at	IL18R1	interleukin 18 receptor 1(IL18R1)
217702_at	IL27RA	interleukin 27 receptor subunit alpha(IL27RA)
211080_s_at	NEK2	NIMA related kinase 2(NEK2)
213599_at	OIP5	Opa interacting protein 5(OIP5)
206499_s_at	RCC1	regulator of chromosome condensation 1(RCC1)
219262_at	SUV39H2	suppressor of variegation 3-9 homolog 2(SUV39H2)
201490_s_at	PPIF	peptidylprolyl isomerase F(PPIF)
211676_s_at	IFNGR1	interferon gamma receptor 1(IFNGR1)
223700_at	MND1	meiotic nuclear divisions 1(MND1)
204825_at	MELK	maternal embryonic leucine zipper kinase(MELK)
213515_x_at	HBG1	hemoglobin subunit gamma 1(HBG1)
219243_at	GIMAP4	GTPase, IMAP family member 4(GIMAP4)
209714_s_at	CDKN3	cyclin dependent kinase inhibitor 3(CDKN3)
49306_at	RASSF4	Ras association domain family member 4(RASSF4)
239680_at	WDR76	WD repeat domain 76(WDR76)
203695_s_at	DFNA5	DFNA5, deafness associated tumor suppressor(DFNA5)
212282_at	TMEM97	transmembrane protein 97(TMEM97)
1555270_a_at	WFS1	wolframin ER transmembrane glycoprotein(WFS1)
203761_at	SLA	Src-like-adaptor(SLA)
218585_s_at	DTL	denticleless E3 ubiquitin protein ligase homolog(DTL)
226980_at	DEPDC1B	DEP domain containing 1B(DEPDC1B)
218726_at	HJURP	Holliday junction recognition protein(HJURP)
202589_at	TYMS	thymidylate synthetase(TYMS)

218782_s_at	ATAD2	ATPase family, AAA domain containing 2(ATAD2)
231094_s_at	LOC100996643	monofunctional C1-tetrahydrofolate synthase, mitochondrial-like(LOC100996643)
233813_at	PPP1R16B	protein phosphatase 1 regulatory subunit 16B(PPP1R16B)
222039_at	KIF18B	kinesin family member 18B(KIF18B)
1569062_s_at	IQGAP3	IQ motif containing GTPase activating protein 3(IQGAP3)
203755_at	BUB1B	BUB1 mitotic checkpoint serine/threonine kinase B(BUB1B)
1558686_at	MPV17L	MPV17 mitochondrial inner membrane protein like(MPV17L)
244615_x_at	TARSL2	threonyl-tRNA synthetase like 2(TARSL2)
204146_at	RAD51AP1	RAD51 associated protein 1(RAD51AP1)
205983_at	DPEP1	dipeptidase 1 (renal)(DPEP1)
1559297_at	SNX29P2	sorting nexin 29 pseudogene 2(SNX29P2)
218113_at	TMEM2	transmembrane protein 2(TMEM2)
239219_at	AURKB	aurora kinase B(AURKB)
1568830_at	IRAK3	interleukin 1 receptor associated kinase 3(IRAK3)
226936_at	CENPW	centromere protein W(CENPW)
205786_s_at	ITGAM	integrin subunit alpha M(ITGAM)
221258_s_at	KIF18A	kinesin family member 18A(KIF18A)
200660_at	S100A11	S100 calcium binding protein A11(S100A11)
226530_at	BMF	Bcl2 modifying factor(BMF)
231772_x_at	CENPH	centromere protein H(CENPH)
213975_s_at	LYZ	lysozyme(LYZ)
206102_at	GINS1	GINS complex subunit 1(GINS1)
206637_at	P2RY14	purinergic receptor P2Y14(P2RY14)
206584_at	LY96	lymphocyte antigen 96(LY96)
223229_at	UBE2T	ubiquitin conjugating enzyme E2 T(UBE2T)
224325_at	MIR4683	microRNA 4683(MIR4683)
212242_at	TUBA4A	tubulin alpha 4a(TUBA4A)
209035_at	MDK	midkine (neurite growth-promoting factor 2)(MDK)
203119_at	CCDC86	coiled-coil domain containing 86(CCDC86)
216237_s_at	MCM5	minichromosome maintenance complex component 5(MCM5)
200920_s_at	BTG1	BTG anti-proliferation factor 1(BTG1)
213273_at	TENM4	teneurin transmembrane protein 4(TENM4)
203554_x_at	PTTG1	pituitary tumor-transforming 1(PTTG1)
242730_at	MYRIP	myosin VIIA and Rab interacting protein(MYRIP)
204709_s_at	KIF23	kinesin family member 23(KIF23)
207072_at	IL18RAP	interleukin 18 receptor accessory protein(IL18RAP)
218115_at	ASF1B	anti-silencing function 1B histone chaperone(ASF1B)
1569496_s_at	LOC100130872	uncharacterized LOC100130872(LOC100130872)
201202_at	PCNA	proliferating cell nuclear antigen(PCNA)
1552619_a_at	ANLN	anillin actin binding protein(ANLN)

220448_at	KCNK12	potassium two pore domain channel subfamily K member 12(KCNK12)
202420_s_at	DHX9	DExH-box helicase 9(DHX9)
204126_s_at	CDC45	cell division cycle 45(CDC45)
219990_at	E2F8	E2F transcription factor 8(E2F8)
202917_s_at	S100A8	S100 calcium binding protein A8(S100A8)
208438_s_at	FGR	FGR proto-oncogene, Src family tyrosine kinase(FGR)
226456_at	RMI2	RecQ mediated genome instability 2(RMI2)
219230_at	TMEM100	transmembrane protein 100(TMEM100)

1
2

1 Appendix D

2 Fundamental Boolean Networks for the Common Genes

Fundamental Boolean Network with 285 genes

Genes involved:

ABHD17B, AKAP12, ANLN, ANP32E, APITD1-CORT, ARPP21, ARRDC3, ASF1B, ASPM, ATAD2, AURKA, AURKB, B3GNT2, BCAT1, BCL10, BCL2L11, BIRC3, BIRC5, BMF, BRCA1, BRIP1, BTG1, BTNL9, BUB1, BUB1B, BYSL, C4orf46, C5orf24, CCDC34, CCDC86, CCNA2, CCNB1, CCNB2, CCNE2, CCNL1, CCR1, CD53, CDC20, CDC42EP3, CDC45, CDC6, CDCA2, CDCA3, CDCA5, CDK1, CDK6, CDKN3, CDT1, CELF2, CENPA, CENPE, CENPF, CENPH, CENPK, CENPN, CENPU, CENPV, CENPW, CEP55, CHEK1, CKAP2, CKAP2L, CKS1B, CLEC2B, CLN8, CPM, CRNDE, DDIT4, DEFA1, DENND3, DEPDC1, DEPDC1B, DFNA5, DHFR, DHX9, DLGAP5, DPEP1, DSCC1, DTL, E2F7, E2F8, ECT2, EGR1, ELL2, EMP1, EPPK1, F13A1, FABP5, FAM72C, FANCI, FCER1G, FCGR3B, FEN1, FGD2, FGL2, FGR, FH, FOXM1, FUS, GBP4, GGH, GIMAP4, GIMAP7, GINS1, GINS2, GSN, GVINP1, HBB, HBG1, HELLS, HIST4H4, HJURP, HMMR, HRK, HSP90AB1, ID2, ID3, IFNGR1, IGH, IGLC1, IGLL1, IL18R1, IL18RAP, IL1B, IL27RA, IL6ST, IQGAP3, IRAK3, ISG20, ITGAM, ITGB2-AS1, ITPKB, KCNK12, KIAA0101, KIF11, KIF14, KIF15, KIF18A, KIF18B, KIF20A, KIF23, KIF26A, KIF2C, KIF4A, KLF9, KNL1, LEF1, LGALS3, LILRA1, LILRB2, LOC100130872, LOC100505650, LOC100996643, LOC285097, LOC728175, LY96, LYZ, MAD2L1, MCM10, MCM4, MCM5, MCM7, MDK, MDM2, MELK, METTL7A, MIR4683, MIR6845, MIR8071-1, MKI67, MND1, MNDA, MPV17L, MS4A1, MS4A4A, MS4A7, MSH6, MTHFD2, MTSS1, MYRIP, NCAPG, NCAPH, NEAT1, NEDD9, NEK2, NME1, NPCDR1, NUF2, NUSAP1, OIP5, P2RX5, P2RY14, PAICS, PBK, PCNA, PDE4B, PFKFB2, PHF19, PIK3IP1, PLK4, POLE2, POLQ, POU4F1, PPBP, PPIF, PPP1R16B, PRDM1, PRPS2, PRR11, PSPH, PTP4A1, PTTG1, RAB31, RAD51, RAD51AP1, RAG1, RAG2, RASSF4, RBM14, RBMS3, RCC1, RFC3, RHOBTB3, RMI2, RNASET2, RPS6KA2, RRM2, S100A11, S100A8, SCML4, SELENOI, SEMA4D, SERPINA1, SERPINB9, SESN1, SHCBP1, SIK1, SKP2, SLA, SLC22A23, SMAP2, SMC2, SMIM3, SNORA21, SNORD3B-1, SNTB2, SNX10, SNX29P2, SOCS1, SOS1, SQLE, STAB1, STIL, SUV39H2, TARSL2, TBXA2R, TCF19, TENM4, TIMELESS, TIPIN, TK1, TMEM100, TMEM2, TMEM97, TNFRSF21, TNFSF8, TOP2A, TPX2, TRIB1, TRIP13, TTK, TUBA4A, TXNIP, TYMS, UBE2C, UBE2T, WASF1, WDHD1, WDR76, WFS1, ZBTB16, ZFP36L2, ZNF367, ZWINT, FKBP5

Networks:

Multiple Transition Functions for ABHD17B with decay value = 1:

ABHD17B_1_Activator: $ABHD17B = B3GNT2$ (Confidence: 1, TimeStep: 1)

ABHD17B_2_Activator: $ABHD17B = BMF$ (Confidence: 1, TimeStep: 1)

ABHD17B_3_Activator: $ABHD17B = ABHD17B \& !SEMA4D$ (Confidence: 1, TimeStep: 1)

ABHD17B_4_Activator: $ABHD17B = DHX9$ (Confidence: 1, TimeStep: 2)

ABHD17B_5_Activator: $ABHD17B = HSP90AB1$ (Confidence: 1, TimeStep: 2)

ABHD17B_1_Inhibitor: $ABHD17B = !B3GNT2$ (Confidence: 1, TimeStep: 2)

ABHD17B_2_Inhibitor: $ABHD17B = !ABHD17B$ (Confidence: 1, TimeStep: 2)

ABHD17B_3_Inhibitor: $ABHD17B = IL18RAP$ (Confidence: 1, TimeStep: 2)

ABHD17B_4_Inhibitor: $ABHD17B = SEMA4D$ (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for AKAP12 with decay value = 1:

AKAP12_1_Activator: $AKAP12 = RPS6KA2$ (Confidence: 1, TimeStep: 1)

AKAP12_2_Activator: $AKAP12 = AKAP12 \& RAG1$ (Confidence: 1, TimeStep: 1)

AKAP12_3_Activator: $AKAP12 = AKAP12 \& TMEM2$ (Confidence: 1, TimeStep: 1)

AKAP12_4_Activator: $AKAP12 = IGLL1 \& IRAK3$ (Confidence: 1, TimeStep: 1)

AKAP12_5_Activator: $AKAP12 = !CENPV \& DPEP1$ (Confidence: 1, TimeStep: 1)

AKAP12_1_Inhibitor: $AKAP12 = !AKAP12$ (Confidence: 1, TimeStep: 1)

AKAP12_2_Inhibitor: $AKAP12 = !TMEM2$ (Confidence: 1, TimeStep: 1)

AKAP12_3_Inhibitor: $AKAP12 = !IGLL1$ (Confidence: 1, TimeStep: 1)

AKAP12_4_Inhibitor: $AKAP12 = ITGB2-AS1$ (Confidence: 1, TimeStep: 1)

AKAP12_5_Inhibitor: $AKAP12 = !RAG1$ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ANLN with decay value = 1:

ANLN_1_Activator: $ANLN = ATAD2$ (Confidence: 1, TimeStep: 1)

ANLN_2_Activator: $ANLN = BIRC5$ (Confidence: 1, TimeStep: 1)

ANLN_3_Activator: $ANLN = BUB1$ (Confidence: 1, TimeStep: 1)

ANLN_4_Activator: ANLN = CCNA2 (Confidence: 1, TimeStep: 1)

ANLN_5_Activator: ANLN = CDCA5 (Confidence: 1, TimeStep: 1)

ANLN_1_Inhibitor: ANLN = !ATAD2 (Confidence: 1, TimeStep: 1)

ANLN_2_Inhibitor: ANLN = !BIRC5 (Confidence: 1, TimeStep: 1)

ANLN_3_Inhibitor: ANLN = !BUB1 (Confidence: 1, TimeStep: 1)

ANLN_4_Inhibitor: ANLN = !CCNA2 (Confidence: 1, TimeStep: 1)

ANLN_5_Inhibitor: ANLN = !CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ANP32E with decay value = 1:

ANP32E_1_Activator: ANP32E = APITD1-CORT (Confidence: 1, TimeStep: 1)

ANP32E_2_Activator: ANP32E = ASF1B (Confidence: 1, TimeStep: 1)

ANP32E_3_Activator: ANP32E = AURKA (Confidence: 1, TimeStep: 1)

ANP32E_4_Activator: ANP32E = !BTG1 (Confidence: 1, TimeStep: 1)

ANP32E_5_Activator: ANP32E = CCDC34 (Confidence: 1, TimeStep: 1)

ANP32E_1_Inhibitor: ANP32E = !CENPF (Confidence: 1, TimeStep: 1)

ANP32E_2_Inhibitor: ANP32E = !DEPDC1B (Confidence: 1, TimeStep: 1)

ANP32E_3_Inhibitor: ANP32E = !NEK2 (Confidence: 1, TimeStep: 1)

ANP32E_4_Inhibitor: ANP32E = !ANP32E (Confidence: 1, TimeStep: 1)

ANP32E_5_Inhibitor: ANP32E = !FH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for APITD1-CORT with decay value = 1:

APITD1-CORT_1_Activator: APITD1-CORT = APITD1-CORT (Confidence: 1, TimeStep: 1)

APITD1-CORT_2_Activator: APITD1-CORT = ASF1B (Confidence: 1, TimeStep: 1)

APITD1-CORT_3_Activator: APITD1-CORT = AURKA (Confidence: 1, TimeStep: 1)

APITD1-CORT_4_Activator: APITD1-CORT = !BTG1 (Confidence: 1, TimeStep: 1)

APITD1-CORT_5_Activator: APITD1-CORT = CCDC34 (Confidence: 1, TimeStep: 1)

APITD1-CORT_1_Inhibitor: APITD1-CORT = !APITD1-CORT (Confidence: 1, TimeStep: 1)

APITD1-CORT_2_Inhibitor: APITD1-CORT = !ASF1B (Confidence: 1, TimeStep: 1)

APITD1-CORT_3_Inhibitor: APITD1-CORT = !AURKA (Confidence: 1, TimeStep: 1)

APITD1-CORT_4_Inhibitor: APITD1-CORT = BTG1 (Confidence: 1, TimeStep: 1)

APITD1-CORT_5_Inhibitor: APITD1-CORT = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ARPP21 with decay value = 1:

ARPP21_1_Activator: ARPP21 = AKAP12&P2RY14 (Confidence: 1, TimeStep: 1)

ARPP21_2_Activator: ARPP21 = ID2&!ITPKB (Confidence: 1, TimeStep: 1)

ARPP21_3_Activator: ARPP21 = !CENPH&KCNK12 (Confidence: 1, TimeStep: 1)

ARPP21_4_Activator: ARPP21 = !FH&KCNK12 (Confidence: 1, TimeStep: 1)

ARPP21_5_Activator: ARPP21 = KCNK12&P2RY14 (Confidence: 1, TimeStep: 1)

ARPP21_1_Inhibitor: ARPP21 = !RAG1 (Confidence: 1, TimeStep: 1)

ARPP21_2_Inhibitor: ARPP21 = !AKAP12&!ARPP21 (Confidence: 1, TimeStep: 1)

ARPP21_3_Inhibitor: ARPP21 = !BMF&!LOC285097 (Confidence: 1, TimeStep: 1)

ARPP21_4_Inhibitor: ARPP21 = !LOC285097&!NPCDR1 (Confidence: 1, TimeStep: 1)

ARPP21_5_Inhibitor: ARPP21 = !AKAP12&!RAG2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ARRDC3 with decay value = 1:

ARRDC3_1_Activator: ARRDC3 = !B3GNT2&PRDM1 (Confidence: 1, TimeStep: 1)

ARRDC3_2_Activator: ARRDC3 = !B3GNT2&SOCS1 (Confidence: 1, TimeStep: 1)

ARRDC3_3_Activator: ARRDC3 = ARRDC3&FGL2 (Confidence: 1, TimeStep: 1)

ARRDC3_4_Activator: ARRDC3 = ARRDC3&PPBP (Confidence: 1, TimeStep: 1)

ARRDC3_5_Activator: ARRDC3 = !EMP1&FGL2 (Confidence: 1, TimeStep: 1)
ARRDC3_1_Inhibitor: ARRDC3 = POU4F1 (Confidence: 1, TimeStep: 1)
ARRDC3_2_Inhibitor: ARRDC3 = !SNX10 (Confidence: 1, TimeStep: 1)
ARRDC3_3_Inhibitor: ARRDC3 = !IL18RAP&!TNFSF8 (Confidence: 1, TimeStep: 1)
ARRDC3_4_Inhibitor: ARRDC3 = ID3&PRPS2 (Confidence: 1, TimeStep: 1)
ARRDC3_5_Inhibitor: ARRDC3 = !IL18R1&!TNFSF8 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ASF1B with decay value = 1:

ASF1B_1_Activator: ASF1B = APITD1-CORT (Confidence: 1, TimeStep: 1)
ASF1B_2_Activator: ASF1B = ASF1B (Confidence: 1, TimeStep: 1)
ASF1B_3_Activator: ASF1B = AURKA (Confidence: 1, TimeStep: 1)
ASF1B_4_Activator: ASF1B = !BTG1 (Confidence: 1, TimeStep: 1)
ASF1B_5_Activator: ASF1B = CCDC34 (Confidence: 1, TimeStep: 1)
ASF1B_1_Inhibitor: ASF1B = !APITD1-CORT (Confidence: 1, TimeStep: 1)
ASF1B_2_Inhibitor: ASF1B = !ASF1B (Confidence: 1, TimeStep: 1)
ASF1B_3_Inhibitor: ASF1B = !AURKA (Confidence: 1, TimeStep: 1)
ASF1B_4_Inhibitor: ASF1B = BTG1 (Confidence: 1, TimeStep: 1)
ASF1B_5_Inhibitor: ASF1B = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ASPM with decay value = 1:

ASPM_1_Activator: ASPM = CENPH (Confidence: 1, TimeStep: 1)
ASPM_2_Activator: ASPM = APITD1-CORT (Confidence: 1, TimeStep: 1)
ASPM_3_Activator: ASPM = ASF1B (Confidence: 1, TimeStep: 1)
ASPM_4_Activator: ASPM = AURKA (Confidence: 1, TimeStep: 1)
ASPM_5_Activator: ASPM = !BTG1 (Confidence: 1, TimeStep: 1)
ASPM_1_Inhibitor: ASPM = !FH (Confidence: 1, TimeStep: 1)
ASPM_2_Inhibitor: ASPM = !NUSAP1 (Confidence: 1, TimeStep: 1)
ASPM_3_Inhibitor: ASPM = !RFC3 (Confidence: 1, TimeStep: 1)
ASPM_4_Inhibitor: ASPM = !NUF2 (Confidence: 1, TimeStep: 1)
ASPM_5_Inhibitor: ASPM = !KIF11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ATAD2 with decay value = 1:

ATAD2_1_Activator: ATAD2 = APITD1-CORT (Confidence: 1, TimeStep: 1)
ATAD2_2_Activator: ATAD2 = ASF1B (Confidence: 1, TimeStep: 1)
ATAD2_3_Activator: ATAD2 = AURKA (Confidence: 1, TimeStep: 1)
ATAD2_4_Activator: ATAD2 = !BTG1 (Confidence: 1, TimeStep: 1)
ATAD2_5_Activator: ATAD2 = CCDC34 (Confidence: 1, TimeStep: 1)
ATAD2_1_Inhibitor: ATAD2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
ATAD2_2_Inhibitor: ATAD2 = !ASF1B (Confidence: 1, TimeStep: 1)
ATAD2_3_Inhibitor: ATAD2 = !AURKA (Confidence: 1, TimeStep: 1)
ATAD2_4_Inhibitor: ATAD2 = BTG1 (Confidence: 1, TimeStep: 1)
ATAD2_5_Inhibitor: ATAD2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for AURKA with decay value = 1:

AURKA_1_Activator: AURKA = APITD1-CORT (Confidence: 1, TimeStep: 1)
AURKA_2_Activator: AURKA = ASF1B (Confidence: 1, TimeStep: 1)
AURKA_3_Activator: AURKA = AURKA (Confidence: 1, TimeStep: 1)
AURKA_4_Activator: AURKA = !BTG1 (Confidence: 1, TimeStep: 1)
AURKA_5_Activator: AURKA = CCDC34 (Confidence: 1, TimeStep: 1)

AURKA_1_Inhibitor: AURKA = !APITD1-CORT (Confidence: 1, TimeStep: 1)

AURKA_2_Inhibitor: AURKA = !ASF1B (Confidence: 1, TimeStep: 1)

AURKA_3_Inhibitor: AURKA = !AURKA (Confidence: 1, TimeStep: 1)

AURKA_4_Inhibitor: AURKA = BTG1 (Confidence: 1, TimeStep: 1)

AURKA_5_Inhibitor: AURKA = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for AURKB with decay value = 1:

AURKB_1_Activator: AURKB = APITD1-CORT (Confidence: 1, TimeStep: 1)

AURKB_2_Activator: AURKB = ASF1B (Confidence: 1, TimeStep: 1)

AURKB_3_Activator: AURKB = AURKA (Confidence: 1, TimeStep: 1)

AURKB_4_Activator: AURKB = !BTG1 (Confidence: 1, TimeStep: 1)

AURKB_5_Activator: AURKB = CCDC34 (Confidence: 1, TimeStep: 1)

AURKB_1_Inhibitor: AURKB = !APITD1-CORT (Confidence: 1, TimeStep: 1)

AURKB_2_Inhibitor: AURKB = !ASF1B (Confidence: 1, TimeStep: 1)

AURKB_3_Inhibitor: AURKB = !AURKA (Confidence: 1, TimeStep: 1)

AURKB_4_Inhibitor: AURKB = BTG1 (Confidence: 1, TimeStep: 1)

AURKB_5_Inhibitor: AURKB = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for B3GNT2 with decay value = 1:

B3GNT2_1_Activator: B3GNT2 = EMP1 (Confidence: 1, TimeStep: 1)

B3GNT2_2_Activator: B3GNT2 = B3GNT2&!HBG1 (Confidence: 1, TimeStep: 1)

B3GNT2_3_Activator: B3GNT2 = CDK6&DENND3 (Confidence: 1, TimeStep: 1)

B3GNT2_4_Activator: B3GNT2 = DENND3&LEF1 (Confidence: 1, TimeStep: 1)

B3GNT2_5_Activator: B3GNT2 = B3GNT2&DENND3 (Confidence: 1, TimeStep: 1)

B3GNT2_1_Inhibitor: B3GNT2 = !ABHD17B (Confidence: 1, TimeStep: 1)

B3GNT2_2_Inhibitor: B3GNT2 = SEMA4D (Confidence: 1, TimeStep: 1)

B3GNT2_3_Inhibitor: B3GNT2 = !WASF1 (Confidence: 1, TimeStep: 1)

B3GNT2_4_Inhibitor: B3GNT2 = !B3GNT2&!HRK (Confidence: 1, TimeStep: 1)

B3GNT2_5_Inhibitor: B3GNT2 = !EMP1&!MSH6 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BCAT1 with decay value = 1:

BCAT1_1_Activator: BCAT1 = !TXNIP (Confidence: 1, TimeStep: 1)

BCAT1_2_Activator: BCAT1 = CKAP2 (Confidence: 1, TimeStep: 1)

BCAT1_3_Activator: BCAT1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

BCAT1_4_Activator: BCAT1 = ASF1B (Confidence: 1, TimeStep: 1)

BCAT1_5_Activator: BCAT1 = AURKA (Confidence: 1, TimeStep: 1)

BCAT1_1_Inhibitor: BCAT1 = !BCAT1 (Confidence: 1, TimeStep: 1)

BCAT1_2_Inhibitor: BCAT1 = !LOC100996643 (Confidence: 1, TimeStep: 1)

BCAT1_3_Inhibitor: BCAT1 = !PAICS (Confidence: 1, TimeStep: 1)

BCAT1_4_Inhibitor: BCAT1 = CCR1 (Confidence: 1, TimeStep: 1)

BCAT1_5_Inhibitor: BCAT1 = !FABP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BCL10 with decay value = 1:

BCL10_1_Inhibitor: BCL10 = GIMAP4 (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for BCL2L11 with decay value = 1:

BCL2L11_1_Activator: BCL2L11 = !CDK6&!IL1B (Confidence: 1, TimeStep: 1)

BCL2L11_2_Activator: BCL2L11 = !CDK6&!DENND3 (Confidence: 1, TimeStep: 1)

BCL2L11_3_Activator: BCL2L11 = !ATAD2&BCL2L11 (Confidence: 1, TimeStep: 1)

BCL2L11_4_Activator: BCL2L11 = !AURKB&BCL2L11 (Confidence: 1, TimeStep: 1)

BCL2L11_5_Activator: BCL2L11 = BIRC3&CENPU (Confidence: 1, TimeStep: 1)
BCL2L11_1_Inhibitor: BCL2L11 = !DEPDC1B&!SLA (Confidence: 1, TimeStep: 1)
BCL2L11_2_Inhibitor: BCL2L11 = !BIRC3&DENND3 (Confidence: 1, TimeStep: 1)
BCL2L11_3_Inhibitor: BCL2L11 = !BIRC3&IL1B (Confidence: 1, TimeStep: 1)
BCL2L11_4_Inhibitor: BCL2L11 = !CENPF&!SLA (Confidence: 1, TimeStep: 1)
BCL2L11_5_Inhibitor: BCL2L11 = !KNL1&!SLA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BIRC3 with decay value = 1:

BIRC3_1_Activator: BIRC3 = !EMP1&!SELENOI (Confidence: 1, TimeStep: 1)
BIRC3_2_Activator: BIRC3 = ARRDC3&SERPINA1 (Confidence: 1, TimeStep: 1)
BIRC3_3_Activator: BIRC3 = FGR&IGH (Confidence: 1, TimeStep: 1)
BIRC3_4_Activator: BIRC3 = HBB&!SELENOI (Confidence: 1, TimeStep: 1)
BIRC3_5_Activator: BIRC3 = !BIRC3&!TYMS (Confidence: 1, TimeStep: 1)
BIRC3_1_Inhibitor: BIRC3 = LOC728175 (Confidence: 1, TimeStep: 1)
BIRC3_2_Inhibitor: BIRC3 = !HBG1&MYRIP (Confidence: 1, TimeStep: 1)
BIRC3_3_Inhibitor: BIRC3 = LOC100996643&MYRIP (Confidence: 1, TimeStep: 1)
BIRC3_4_Inhibitor: BIRC3 = EMP1&MYRIP (Confidence: 1, TimeStep: 1)
BIRC3_5_Inhibitor: BIRC3 = !HBB&MYRIP (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BIRC5 with decay value = 1:

BIRC5_1_Activator: BIRC5 = APITD1-CORT (Confidence: 1, TimeStep: 1)
BIRC5_2_Activator: BIRC5 = ASF1B (Confidence: 1, TimeStep: 1)
BIRC5_3_Activator: BIRC5 = AURKA (Confidence: 1, TimeStep: 1)
BIRC5_4_Activator: BIRC5 = !BTG1 (Confidence: 1, TimeStep: 1)
BIRC5_5_Activator: BIRC5 = CCDC34 (Confidence: 1, TimeStep: 1)
BIRC5_1_Inhibitor: BIRC5 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
BIRC5_2_Inhibitor: BIRC5 = !ASF1B (Confidence: 1, TimeStep: 1)
BIRC5_3_Inhibitor: BIRC5 = !AURKA (Confidence: 1, TimeStep: 1)
BIRC5_4_Inhibitor: BIRC5 = BTG1 (Confidence: 1, TimeStep: 1)
BIRC5_5_Inhibitor: BIRC5 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BMF with decay value = 1:

BMF_1_Activator: BMF = BMF (Confidence: 1, TimeStep: 1)
BMF_2_Activator: BMF = HRK (Confidence: 1, TimeStep: 1)
BMF_3_Activator: BMF = MIR4683 (Confidence: 1, TimeStep: 1)
BMF_4_Activator: BMF = RBMS3 (Confidence: 1, TimeStep: 1)
BMF_5_Activator: BMF = RPS6KA2 (Confidence: 1, TimeStep: 1)
BMF_1_Inhibitor: BMF = FOXM1 (Confidence: 1, TimeStep: 1)
BMF_2_Inhibitor: BMF = STIL (Confidence: 1, TimeStep: 1)
BMF_3_Inhibitor: BMF = ATAD2 (Confidence: 1, TimeStep: 1)
BMF_4_Inhibitor: BMF = BIRC5 (Confidence: 1, TimeStep: 1)
BMF_5_Inhibitor: BMF = BUB1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BRCA1 with decay value = 1:

BRCA1_1_Activator: BRCA1 = !APITD1-CORT&BRIP1 (Confidence: 1, TimeStep: 1)
BRCA1_2_Activator: BRCA1 = !APITD1-CORT&CHEK1 (Confidence: 1, TimeStep: 1)
BRCA1_3_Activator: BRCA1 = !APITD1-CORT&FANCI (Confidence: 1, TimeStep: 1)
BRCA1_4_Activator: BRCA1 = !APITD1-CORT&TTK (Confidence: 1, TimeStep: 1)
BRCA1_5_Activator: BRCA1 = !ASF1B&BRIP1 (Confidence: 1, TimeStep: 1)

BRCA1_1_Inhibitor: BRCA1 = !BRCA1 (Confidence: 1, TimeStep: 1)

BRCA1_2_Inhibitor: BRCA1 = !BYSL (Confidence: 1, TimeStep: 1)

BRCA1_3_Inhibitor: BRCA1 = !FABP5 (Confidence: 1, TimeStep: 1)

BRCA1_4_Inhibitor: BRCA1 = GVINP1 (Confidence: 1, TimeStep: 1)

BRCA1_5_Inhibitor: BRCA1 = PRDM1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BRIP1 with decay value = 1:

BRIP1_1_Activator: BRIP1 = CCNB2&!P2RX5 (Confidence: 1, TimeStep: 1)

BRIP1_2_Activator: BRIP1 = CDC45&!P2RX5 (Confidence: 1, TimeStep: 1)

BRIP1_3_Activator: BRIP1 = CENPA&!P2RX5 (Confidence: 1, TimeStep: 1)

BRIP1_4_Activator: BRIP1 = DLGAP5&!P2RX5 (Confidence: 1, TimeStep: 1)

BRIP1_5_Activator: BRIP1 = MAD2L1&!P2RX5 (Confidence: 1, TimeStep: 1)

BRIP1_1_Inhibitor: BRIP1 = !KIF2C (Confidence: 1, TimeStep: 1)

BRIP1_2_Inhibitor: BRIP1 = !CCNB2 (Confidence: 1, TimeStep: 1)

BRIP1_3_Inhibitor: BRIP1 = !CDC45 (Confidence: 1, TimeStep: 1)

BRIP1_4_Inhibitor: BRIP1 = !CENPA (Confidence: 1, TimeStep: 1)

BRIP1_5_Inhibitor: BRIP1 = !DLGAP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BTG1 with decay value = 1:

BTG1_1_Activator: BTG1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

BTG1_2_Activator: BTG1 = !ASF1B (Confidence: 1, TimeStep: 1)

BTG1_3_Activator: BTG1 = !AURKA (Confidence: 1, TimeStep: 1)

BTG1_4_Activator: BTG1 = BTG1 (Confidence: 1, TimeStep: 1)

BTG1_5_Activator: BTG1 = !CCDC34 (Confidence: 1, TimeStep: 1)

BTG1_1_Inhibitor: BTG1 = UBE2C (Confidence: 1, TimeStep: 1)

BTG1_2_Inhibitor: BTG1 = ANLN&!B3GNT2 (Confidence: 1, TimeStep: 1)

BTG1_3_Inhibitor: BTG1 = ANP32E&!B3GNT2 (Confidence: 1, TimeStep: 1)

BTG1_4_Inhibitor: BTG1 = ASPM&!B3GNT2 (Confidence: 1, TimeStep: 1)

BTG1_5_Inhibitor: BTG1 = !B3GNT2&BIRC5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BTNL9 with decay value = 1:

BTNL9_1_Activator: BTNL9 = !CEP55&LOC285097 (Confidence: 1, TimeStep: 1)

BTNL9_2_Activator: BTNL9 = !BCL2L11&BTNL9 (Confidence: 1, TimeStep: 1)

BTNL9_3_Activator: BTNL9 = BMF&BTNL9 (Confidence: 1, TimeStep: 1)

BTNL9_4_Activator: BTNL9 = !CEP55&RPS6KA2 (Confidence: 1, TimeStep: 1)

BTNL9_5_Activator: BTNL9 = !DEPDC1B&RPS6KA2 (Confidence: 1, TimeStep: 1)

BTNL9_1_Inhibitor: BTNL9 = BCL2L11&!KIF26A (Confidence: 1, TimeStep: 1)

BTNL9_2_Inhibitor: BTNL9 = BCL2L11&!SIK1 (Confidence: 1, TimeStep: 1)

BTNL9_3_Inhibitor: BTNL9 = !IL1B&S100A11 (Confidence: 1, TimeStep: 1)

BTNL9_4_Inhibitor: BTNL9 = !KIF26A&!RNASET2 (Confidence: 1, TimeStep: 1)

BTNL9_5_Inhibitor: BTNL9 = !RBMS3&S100A11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BUB1 with decay value = 1:

BUB1_1_Activator: BUB1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

BUB1_2_Activator: BUB1 = ASF1B (Confidence: 1, TimeStep: 1)

BUB1_3_Activator: BUB1 = AURKA (Confidence: 1, TimeStep: 1)

BUB1_4_Activator: BUB1 = !BTG1 (Confidence: 1, TimeStep: 1)

BUB1_5_Activator: BUB1 = CCDC34 (Confidence: 1, TimeStep: 1)

BUB1_1_Inhibitor: BUB1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

BUB1_2_Inhibitor: BUB1 = !ASF1B (Confidence: 1, TimeStep: 1)

BUB1_3_Inhibitor: BUB1 = !AURKA (Confidence: 1, TimeStep: 1)

BUB1_4_Inhibitor: BUB1 = BTG1 (Confidence: 1, TimeStep: 1)

BUB1_5_Inhibitor: BUB1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BUB1B with decay value = 1:

BUB1B_1_Activator: BUB1B = CENPH (Confidence: 1, TimeStep: 1)

BUB1B_2_Activator: BUB1B = APITD1-CORT (Confidence: 1, TimeStep: 1)

BUB1B_3_Activator: BUB1B = ASF1B (Confidence: 1, TimeStep: 1)

BUB1B_4_Activator: BUB1B = AURKA (Confidence: 1, TimeStep: 1)

BUB1B_5_Activator: BUB1B = !BTG1 (Confidence: 1, TimeStep: 1)

BUB1B_1_Inhibitor: BUB1B = !CENPH (Confidence: 1, TimeStep: 1)

BUB1B_2_Inhibitor: BUB1B = !CDK1 (Confidence: 1, TimeStep: 1)

BUB1B_3_Inhibitor: BUB1B = !HMMR (Confidence: 1, TimeStep: 1)

BUB1B_4_Inhibitor: BUB1B = !KIF14 (Confidence: 1, TimeStep: 1)

BUB1B_5_Inhibitor: BUB1B = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for BYSL with decay value = 1:

BYSL_1_Activator: BYSL = ANLN&!PFKFB2 (Confidence: 1, TimeStep: 1)

BYSL_2_Activator: BYSL = BRIP1&HIST4H4 (Confidence: 1, TimeStep: 1)

BYSL_3_Activator: BYSL = BUB1B&HIST4H4 (Confidence: 1, TimeStep: 1)

BYSL_4_Activator: BYSL = C4orf46&HIST4H4 (Confidence: 1, TimeStep: 1)

BYSL_5_Activator: BYSL = CDC20&HIST4H4 (Confidence: 1, TimeStep: 1)

BYSL_1_Inhibitor: BYSL = !BYSL (Confidence: 1, TimeStep: 1)

BYSL_2_Inhibitor: BYSL = !PAICS (Confidence: 1, TimeStep: 1)

BYSL_3_Inhibitor: BYSL = !SELENOI (Confidence: 1, TimeStep: 1)

BYSL_4_Inhibitor: BYSL = !FABP5 (Confidence: 1, TimeStep: 1)

BYSL_5_Inhibitor: BYSL = GVINP1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for C4orf46 with decay value = 1:

C4orf46_1_Activator: C4orf46 = TMEM97 (Confidence: 1, TimeStep: 1)

C4orf46_2_Activator: C4orf46 = WDHD1 (Confidence: 1, TimeStep: 1)

C4orf46_3_Activator: C4orf46 = CENPH (Confidence: 1, TimeStep: 1)

C4orf46_4_Activator: C4orf46 = APITD1-CORT (Confidence: 1, TimeStep: 1)

C4orf46_5_Activator: C4orf46 = ASF1B (Confidence: 1, TimeStep: 1)

C4orf46_1_Inhibitor: C4orf46 = !TMEM97 (Confidence: 1, TimeStep: 1)

C4orf46_2_Inhibitor: C4orf46 = !WDHD1 (Confidence: 1, TimeStep: 1)

C4orf46_3_Inhibitor: C4orf46 = !CCNB1 (Confidence: 1, TimeStep: 1)

C4orf46_4_Inhibitor: C4orf46 = !IQGAP3 (Confidence: 1, TimeStep: 1)

C4orf46_5_Inhibitor: C4orf46 = !BUB1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for C5orf24 with decay value = 1:

C5orf24_1_Activator: C5orf24 = KIF4A (Confidence: 1, TimeStep: 1)

C5orf24_2_Activator: C5orf24 = CCNB1 (Confidence: 1, TimeStep: 1)

C5orf24_3_Activator: C5orf24 = CENPF (Confidence: 1, TimeStep: 1)

C5orf24_4_Activator: C5orf24 = IQGAP3 (Confidence: 1, TimeStep: 1)

C5orf24_5_Activator: C5orf24 = NEK2 (Confidence: 1, TimeStep: 1)

C5orf24_1_Inhibitor: C5orf24 = LGALS3 (Confidence: 1, TimeStep: 1)

C5orf24_2_Inhibitor: C5orf24 = LOC100130872 (Confidence: 1, TimeStep: 1)

C5orf24_3_Inhibitor: C5orf24 = !CKS1B&!PSPH (Confidence: 1, TimeStep: 1)

C5orf24_4_Inhibitor: C5orf24 = !BCAT1&HBB (Confidence: 1, TimeStep: 1)

C5orf24_5_Inhibitor: C5orf24 = !BCAT1&HBG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCDC34 with decay value = 1:

CCDC34_1_Activator: CCDC34 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CCDC34_2_Activator: CCDC34 = ASF1B (Confidence: 1, TimeStep: 1)

CCDC34_3_Activator: CCDC34 = AURKA (Confidence: 1, TimeStep: 1)

CCDC34_4_Activator: CCDC34 = !BTG1 (Confidence: 1, TimeStep: 1)

CCDC34_5_Activator: CCDC34 = CCDC34 (Confidence: 1, TimeStep: 1)

CCDC34_1_Inhibitor: CCDC34 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CCDC34_2_Inhibitor: CCDC34 = !ASF1B (Confidence: 1, TimeStep: 1)

CCDC34_3_Inhibitor: CCDC34 = !AURKA (Confidence: 1, TimeStep: 1)

CCDC34_4_Inhibitor: CCDC34 = BTG1 (Confidence: 1, TimeStep: 1)

CCDC34_5_Inhibitor: CCDC34 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCDC86 with decay value = 1:

CCDC86_1_Activator: CCDC86 = KIF2C (Confidence: 1, TimeStep: 1)

CCDC86_2_Activator: CCDC86 = !TXNIP (Confidence: 1, TimeStep: 1)

CCDC86_3_Activator: CCDC86 = ATAD2 (Confidence: 1, TimeStep: 1)

CCDC86_4_Activator: CCDC86 = BIRC5 (Confidence: 1, TimeStep: 1)

CCDC86_5_Activator: CCDC86 = BUB1 (Confidence: 1, TimeStep: 1)

CCDC86_1_Inhibitor: CCDC86 = !RAD51AP1 (Confidence: 1, TimeStep: 1)

CCDC86_2_Inhibitor: CCDC86 = !BYSL (Confidence: 1, TimeStep: 1)

CCDC86_3_Inhibitor: CCDC86 = !PAICS (Confidence: 1, TimeStep: 1)

CCDC86_4_Inhibitor: CCDC86 = !SELENOI (Confidence: 1, TimeStep: 1)

CCDC86_5_Inhibitor: CCDC86 = CDC42EP3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCNA2 with decay value = 1:

CCNA2_1_Activator: CCNA2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNA2_2_Activator: CCNA2 = ASF1B (Confidence: 1, TimeStep: 1)

CCNA2_3_Activator: CCNA2 = AURKA (Confidence: 1, TimeStep: 1)

CCNA2_4_Activator: CCNA2 = !BTG1 (Confidence: 1, TimeStep: 1)

CCNA2_5_Activator: CCNA2 = CCDC34 (Confidence: 1, TimeStep: 1)

CCNA2_1_Inhibitor: CCNA2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNA2_2_Inhibitor: CCNA2 = !ASF1B (Confidence: 1, TimeStep: 1)

CCNA2_3_Inhibitor: CCNA2 = !AURKA (Confidence: 1, TimeStep: 1)

CCNA2_4_Inhibitor: CCNA2 = BTG1 (Confidence: 1, TimeStep: 1)

CCNA2_5_Inhibitor: CCNA2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCNB1 with decay value = 1:

CCNB1_1_Activator: CCNB1 = CENPH (Confidence: 1, TimeStep: 1)

CCNB1_2_Activator: CCNB1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNB1_3_Activator: CCNB1 = ASF1B (Confidence: 1, TimeStep: 1)

CCNB1_4_Activator: CCNB1 = AURKA (Confidence: 1, TimeStep: 1)

CCNB1_5_Activator: CCNB1 = !BTG1 (Confidence: 1, TimeStep: 1)

CCNB1_1_Inhibitor: CCNB1 = !CENPH (Confidence: 1, TimeStep: 1)

CCNB1_2_Inhibitor: CCNB1 = !CDK1 (Confidence: 1, TimeStep: 1)

CCNB1_3_Inhibitor: CCNB1 = !HMMR (Confidence: 1, TimeStep: 1)

CCNB1_4_Inhibitor: CCNB1 = !KIF14 (Confidence: 1, TimeStep: 1)

CCNB1_5_Inhibitor: CCNB1 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCNB2 with decay value = 1:

CCNB2_1_Activator: CCNB2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNB2_2_Activator: CCNB2 = ASF1B (Confidence: 1, TimeStep: 1)

CCNB2_3_Activator: CCNB2 = AURKA (Confidence: 1, TimeStep: 1)

CCNB2_4_Activator: CCNB2 = !BTG1 (Confidence: 1, TimeStep: 1)

CCNB2_5_Activator: CCNB2 = CCDC34 (Confidence: 1, TimeStep: 1)

CCNB2_1_Inhibitor: CCNB2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNB2_2_Inhibitor: CCNB2 = !ASF1B (Confidence: 1, TimeStep: 1)

CCNB2_3_Inhibitor: CCNB2 = !AURKA (Confidence: 1, TimeStep: 1)

CCNB2_4_Inhibitor: CCNB2 = BTG1 (Confidence: 1, TimeStep: 1)

CCNB2_5_Inhibitor: CCNB2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCNE2 with decay value = 1:

CCNE2_1_Activator: CCNE2 = !BMF&MDK (Confidence: 1, TimeStep: 1)

CCNE2_2_Activator: CCNE2 = CENPV&MDK (Confidence: 1, TimeStep: 1)

CCNE2_3_Activator: CCNE2 = E2F7&MDK (Confidence: 1, TimeStep: 1)

CCNE2_4_Activator: CCNE2 = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)

CCNE2_5_Activator: CCNE2 = !IL1B&MDK (Confidence: 1, TimeStep: 1)

CCNE2_1_Inhibitor: CCNE2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CCNE2_2_Inhibitor: CCNE2 = !ASF1B (Confidence: 1, TimeStep: 1)

CCNE2_3_Inhibitor: CCNE2 = !AURKA (Confidence: 1, TimeStep: 1)

CCNE2_4_Inhibitor: CCNE2 = BTG1 (Confidence: 1, TimeStep: 1)

CCNE2_5_Inhibitor: CCNE2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCNL1 with decay value = 1:

CCNL1_1_Activator: CCNL1 = !BYSL&ELL2 (Confidence: 1, TimeStep: 1)

CCNL1_2_Activator: CCNL1 = !BYSL&CENPV (Confidence: 1, TimeStep: 1)

CCNL1_3_Activator: CCNL1 = !BYSL&!IRAK3 (Confidence: 1, TimeStep: 1)

CCNL1_4_Activator: CCNL1 = GINS2&PCNA (Confidence: 1, TimeStep: 1)

CCNL1_5_Activator: CCNL1 = !ITGAM&PCNA&SOCS1 (Confidence: 1, TimeStep: 1)

CCNL1_1_Inhibitor: CCNL1 = BRCA1 (Confidence: 1, TimeStep: 1)

CCNL1_2_Inhibitor: CCNL1 = PCNA (Confidence: 1, TimeStep: 1)

CCNL1_3_Inhibitor: CCNL1 = ITGAM (Confidence: 1, TimeStep: 1)

CCNL1_4_Inhibitor: CCNL1 = LOC285097 (Confidence: 1, TimeStep: 1)

CCNL1_5_Inhibitor: CCNL1 = TK1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CCR1 with decay value = 1:

CCR1_1_Activator: CCR1 = RAB31 (Confidence: 1, TimeStep: 1)

CCR1_2_Activator: CCR1 = !ASPM&CCR1 (Confidence: 1, TimeStep: 1)

CCR1_3_Activator: CCR1 = !ANP32E&MNDA (Confidence: 1, TimeStep: 1)

CCR1_4_Activator: CCR1 = !ASPM&MNDA (Confidence: 1, TimeStep: 1)

CCR1_5_Activator: CCR1 = !BYSL&PPBP (Confidence: 1, TimeStep: 1)

CCR1_1_Inhibitor: CCR1 = !MTSS1 (Confidence: 1, TimeStep: 1)

CCR1_2_Inhibitor: CCR1 = !SERPINB9 (Confidence: 1, TimeStep: 1)

CCR1_3_Inhibitor: CCR1 = !IRAK3 (Confidence: 1, TimeStep: 1)

CCR1_4_Inhibitor: CCR1 = !LILRB2 (Confidence: 1, TimeStep: 1)

CCR1_5_Inhibitor: CCR1 = E2F7 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CD53 with decay value = 1:

CD53_1_Activator: CD53 = SMAP2 (Confidence: 1, TimeStep: 1)

CD53_2_Activator: CD53 = CD53 (Confidence: 1, TimeStep: 1)

CD53_3_Activator: CD53 = ISG20 (Confidence: 1, TimeStep: 1)

CD53_4_Activator: CD53 = LILRB2 (Confidence: 1, TimeStep: 1)

CD53_5_Activator: CD53 = RNASET2 (Confidence: 1, TimeStep: 1)

CD53_1_Inhibitor: CD53 = UBE2C (Confidence: 1, TimeStep: 1)

CD53_2_Inhibitor: CD53 = ANLN&!GSN (Confidence: 1, TimeStep: 1)

CD53_3_Inhibitor: CD53 = ANLN&!KIF26A (Confidence: 1, TimeStep: 1)

CD53_4_Inhibitor: CD53 = ANLN&!IL6ST (Confidence: 1, TimeStep: 1)

CD53_5_Inhibitor: CD53 = ANP32E&!SIK1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDC20 with decay value = 1:

CDC20_1_Activator: CDC20 = CENPH (Confidence: 1, TimeStep: 1)

CDC20_2_Activator: CDC20 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CDC20_3_Activator: CDC20 = ASF1B (Confidence: 1, TimeStep: 1)

CDC20_4_Activator: CDC20 = AURKA (Confidence: 1, TimeStep: 1)

CDC20_5_Activator: CDC20 = !BTG1 (Confidence: 1, TimeStep: 1)

CDC20_1_Inhibitor: CDC20 = !CENPH (Confidence: 1, TimeStep: 1)

CDC20_2_Inhibitor: CDC20 = !CDK1 (Confidence: 1, TimeStep: 1)

CDC20_3_Inhibitor: CDC20 = !HMMR (Confidence: 1, TimeStep: 1)

CDC20_4_Inhibitor: CDC20 = !KIF14 (Confidence: 1, TimeStep: 1)

CDC20_5_Inhibitor: CDC20 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDC42EP3 with decay value = 1:

CDC42EP3_1_Activator: CDC42EP3 = CDC42EP3 (Confidence: 1, TimeStep: 1)

CDC42EP3_2_Activator: CDC42EP3 = PPBP (Confidence: 1, TimeStep: 1)

CDC42EP3_3_Activator: CDC42EP3 = FGL2 (Confidence: 1, TimeStep: 1)

CDC42EP3_4_Activator: CDC42EP3 = LGALS3 (Confidence: 1, TimeStep: 1)

CDC42EP3_5_Activator: CDC42EP3 = RAB31 (Confidence: 1, TimeStep: 1)

CDC42EP3_1_Inhibitor: CDC42EP3 = CKS1B (Confidence: 1, TimeStep: 1)

CDC42EP3_2_Inhibitor: CDC42EP3 = !GBP4 (Confidence: 1, TimeStep: 1)

CDC42EP3_3_Inhibitor: CDC42EP3 = KNL1 (Confidence: 1, TimeStep: 1)

CDC42EP3_4_Inhibitor: CDC42EP3 = CDT1 (Confidence: 1, TimeStep: 1)

CDC42EP3_5_Inhibitor: CDC42EP3 = !NEAT1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDC45 with decay value = 1:

CDC45_1_Activator: CDC45 = !BMF&MDK (Confidence: 1, TimeStep: 1)

CDC45_2_Activator: CDC45 = CENPV&MDK (Confidence: 1, TimeStep: 1)

CDC45_3_Activator: CDC45 = E2F7&MDK (Confidence: 1, TimeStep: 1)

CDC45_4_Activator: CDC45 = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)

CDC45_5_Activator: CDC45 = !IL1B&MDK (Confidence: 1, TimeStep: 1)

CDC45_1_Inhibitor: CDC45 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CDC45_2_Inhibitor: CDC45 = !ASF1B (Confidence: 1, TimeStep: 1)

CDC45_3_Inhibitor: CDC45 = !AURKA (Confidence: 1, TimeStep: 1)

CDC45_4_Inhibitor: CDC45 = BTG1 (Confidence: 1, TimeStep: 1)

CDC45_5_Inhibitor: CDC45 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDC6 with decay value = 1:

CDC6_1_Activator: CDC6 = !BMF&MDK (Confidence: 1, TimeStep: 1)
CDC6_2_Activator: CDC6 = CENPV&MDK (Confidence: 1, TimeStep: 1)
CDC6_3_Activator: CDC6 = E2F7&MDK (Confidence: 1, TimeStep: 1)
CDC6_4_Activator: CDC6 = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)
CDC6_5_Activator: CDC6 = !IL1B&MDK (Confidence: 1, TimeStep: 1)
CDC6_1_Inhibitor: CDC6 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CDC6_2_Inhibitor: CDC6 = !ASF1B (Confidence: 1, TimeStep: 1)
CDC6_3_Inhibitor: CDC6 = !AURKA (Confidence: 1, TimeStep: 1)
CDC6_4_Inhibitor: CDC6 = BTG1 (Confidence: 1, TimeStep: 1)
CDC6_5_Inhibitor: CDC6 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDCA2 with decay value = 1:

CDCA2_1_Activator: CDCA2 = APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA2_2_Activator: CDCA2 = ASF1B (Confidence: 1, TimeStep: 1)
CDCA2_3_Activator: CDCA2 = AURKA (Confidence: 1, TimeStep: 1)
CDCA2_4_Activator: CDCA2 = !BTG1 (Confidence: 1, TimeStep: 1)
CDCA2_5_Activator: CDCA2 = CCDC34 (Confidence: 1, TimeStep: 1)
CDCA2_1_Inhibitor: CDCA2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA2_2_Inhibitor: CDCA2 = !ASF1B (Confidence: 1, TimeStep: 1)
CDCA2_3_Inhibitor: CDCA2 = !AURKA (Confidence: 1, TimeStep: 1)
CDCA2_4_Inhibitor: CDCA2 = BTG1 (Confidence: 1, TimeStep: 1)
CDCA2_5_Inhibitor: CDCA2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDCA3 with decay value = 1:

CDCA3_1_Activator: CDCA3 = APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA3_2_Activator: CDCA3 = ASF1B (Confidence: 1, TimeStep: 1)
CDCA3_3_Activator: CDCA3 = AURKA (Confidence: 1, TimeStep: 1)
CDCA3_4_Activator: CDCA3 = !BTG1 (Confidence: 1, TimeStep: 1)
CDCA3_5_Activator: CDCA3 = CCDC34 (Confidence: 1, TimeStep: 1)
CDCA3_1_Inhibitor: CDCA3 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA3_2_Inhibitor: CDCA3 = !ASF1B (Confidence: 1, TimeStep: 1)
CDCA3_3_Inhibitor: CDCA3 = !AURKA (Confidence: 1, TimeStep: 1)
CDCA3_4_Inhibitor: CDCA3 = BTG1 (Confidence: 1, TimeStep: 1)
CDCA3_5_Inhibitor: CDCA3 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDCA5 with decay value = 1:

CDCA5_1_Activator: CDCA5 = APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA5_2_Activator: CDCA5 = ASF1B (Confidence: 1, TimeStep: 1)
CDCA5_3_Activator: CDCA5 = AURKA (Confidence: 1, TimeStep: 1)
CDCA5_4_Activator: CDCA5 = !BTG1 (Confidence: 1, TimeStep: 1)
CDCA5_5_Activator: CDCA5 = CCDC34 (Confidence: 1, TimeStep: 1)
CDCA5_1_Inhibitor: CDCA5 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CDCA5_2_Inhibitor: CDCA5 = !ASF1B (Confidence: 1, TimeStep: 1)
CDCA5_3_Inhibitor: CDCA5 = !AURKA (Confidence: 1, TimeStep: 1)
CDCA5_4_Inhibitor: CDCA5 = BTG1 (Confidence: 1, TimeStep: 1)
CDCA5_5_Inhibitor: CDCA5 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDK1 with decay value = 1:

CDK1_1_Activator: CDK1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CDK1_2_Activator: CDK1 = ASF1B (Confidence: 1, TimeStep: 1)

CDK1_3_Activator: CDK1 = AURKA (Confidence: 1, TimeStep: 1)

CDK1_4_Activator: CDK1 = !BTG1 (Confidence: 1, TimeStep: 1)

CDK1_5_Activator: CDK1 = CCDC34 (Confidence: 1, TimeStep: 1)

CDK1_1_Inhibitor: CDK1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CDK1_2_Inhibitor: CDK1 = !ASF1B (Confidence: 1, TimeStep: 1)

CDK1_3_Inhibitor: CDK1 = !AURKA (Confidence: 1, TimeStep: 1)

CDK1_4_Inhibitor: CDK1 = BTG1 (Confidence: 1, TimeStep: 1)

CDK1_5_Inhibitor: CDK1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDK6 with decay value = 1:

CDK6_1_Activator: CDK6 = LEF1&!SNTB2 (Confidence: 1, TimeStep: 1)

CDK6_2_Activator: CDK6 = GIMAP4&!KLF9 (Confidence: 1, TimeStep: 1)

CDK6_3_Activator: CDK6 = !KLF9&!RHOBTB3 (Confidence: 1, TimeStep: 1)

CDK6_4_Activator: CDK6 = B3GNT2&!KLF9 (Confidence: 1, TimeStep: 1)

CDK6_5_Activator: CDK6 = !EMP1&!KLF9&!TRIB1 (Confidence: 1, TimeStep: 1)

CDK6_1_Inhibitor: CDK6 = !LEF1 (Confidence: 1, TimeStep: 1)

CDK6_2_Inhibitor: CDK6 = !ZFP36L2 (Confidence: 1, TimeStep: 1)

CDK6_3_Inhibitor: CDK6 = BCL2L11&KLF9 (Confidence: 1, TimeStep: 1)

CDK6_4_Inhibitor: CDK6 = BCL2L11&!RAG1 (Confidence: 1, TimeStep: 1)

CDK6_5_Inhibitor: CDK6 = !BCL2L11&!CDK6 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDKN3 with decay value = 1:

CDKN3_1_Activator: CDKN3 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CDKN3_2_Activator: CDKN3 = ASF1B (Confidence: 1, TimeStep: 1)

CDKN3_3_Activator: CDKN3 = AURKA (Confidence: 1, TimeStep: 1)

CDKN3_4_Activator: CDKN3 = !BTG1 (Confidence: 1, TimeStep: 1)

CDKN3_5_Activator: CDKN3 = CCDC34 (Confidence: 1, TimeStep: 1)

CDKN3_1_Inhibitor: CDKN3 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

CDKN3_2_Inhibitor: CDKN3 = !ASF1B (Confidence: 1, TimeStep: 1)

CDKN3_3_Inhibitor: CDKN3 = !AURKA (Confidence: 1, TimeStep: 1)

CDKN3_4_Inhibitor: CDKN3 = BTG1 (Confidence: 1, TimeStep: 1)

CDKN3_5_Inhibitor: CDKN3 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CDT1 with decay value = 1:

CDT1_1_Activator: CDT1 = MDK&MKI67 (Confidence: 1, TimeStep: 1)

CDT1_2_Activator: CDT1 = MDK&NCAPG (Confidence: 1, TimeStep: 1)

CDT1_3_Activator: CDT1 = MDK&NEK2 (Confidence: 1, TimeStep: 1)

CDT1_4_Activator: CDT1 = MDK&NUSAP1 (Confidence: 1, TimeStep: 1)

CDT1_5_Activator: CDT1 = MDK&POLQ (Confidence: 1, TimeStep: 1)

CDT1_1_Inhibitor: CDT1 = !CCNB2 (Confidence: 1, TimeStep: 1)

CDT1_2_Inhibitor: CDT1 = !CDC45 (Confidence: 1, TimeStep: 1)

CDT1_3_Inhibitor: CDT1 = !CENPA (Confidence: 1, TimeStep: 1)

CDT1_4_Inhibitor: CDT1 = !DLGAP5 (Confidence: 1, TimeStep: 1)

CDT1_5_Inhibitor: CDT1 = !MAD2L1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CELF2 with decay value = 1:

CELF2_1_Activator: CELF2 = !CRNDE (Confidence: 1, TimeStep: 1)

CEL2_2_Activator: CEL2 = !SELENOI (Confidence: 1, TimeStep: 1)
CEL2_3_Activator: CEL2 = !DHX9 (Confidence: 1, TimeStep: 1)
CEL2_4_Activator: CEL2 = PPP1R16B (Confidence: 1, TimeStep: 1)
CEL2_5_Activator: CEL2 = !FABP5 (Confidence: 1, TimeStep: 1)
CEL2_1_Inhibitor: CEL2 = !CEL2&!DDIT4 (Confidence: 1, TimeStep: 1)
CEL2_2_Inhibitor: CEL2 = !DDIT4&IQGAP3 (Confidence: 1, TimeStep: 1)
CEL2_3_Inhibitor: CEL2 = !DDIT4&SHCBP1 (Confidence: 1, TimeStep: 1)
CEL2_4_Inhibitor: CEL2 = CDK1&!DDIT4 (Confidence: 1, TimeStep: 1)
CEL2_5_Inhibitor: CEL2 = CKAP2L&!DDIT4 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPA with decay value = 1:

CENPA_1_Activator: CENPA = APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPA_2_Activator: CENPA = ASF1B (Confidence: 1, TimeStep: 1)
CENPA_3_Activator: CENPA = AURKA (Confidence: 1, TimeStep: 1)
CENPA_4_Activator: CENPA = !BTG1 (Confidence: 1, TimeStep: 1)
CENPA_5_Activator: CENPA = CCDC34 (Confidence: 1, TimeStep: 1)
CENPA_1_Inhibitor: CENPA = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPA_2_Inhibitor: CENPA = !ASF1B (Confidence: 1, TimeStep: 1)
CENPA_3_Inhibitor: CENPA = !AURKA (Confidence: 1, TimeStep: 1)
CENPA_4_Inhibitor: CENPA = BTG1 (Confidence: 1, TimeStep: 1)
CENPA_5_Inhibitor: CENPA = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPE with decay value = 1:

CENPE_1_Activator: CENPE = APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPE_2_Activator: CENPE = ASF1B (Confidence: 1, TimeStep: 1)
CENPE_3_Activator: CENPE = AURKA (Confidence: 1, TimeStep: 1)
CENPE_4_Activator: CENPE = !BTG1 (Confidence: 1, TimeStep: 1)
CENPE_5_Activator: CENPE = CCDC34 (Confidence: 1, TimeStep: 1)
CENPE_1_Inhibitor: CENPE = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPE_2_Inhibitor: CENPE = !ASF1B (Confidence: 1, TimeStep: 1)
CENPE_3_Inhibitor: CENPE = !AURKA (Confidence: 1, TimeStep: 1)
CENPE_4_Inhibitor: CENPE = BTG1 (Confidence: 1, TimeStep: 1)
CENPE_5_Inhibitor: CENPE = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPF with decay value = 1:

CENPF_1_Activator: CENPF = APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPF_2_Activator: CENPF = ASF1B (Confidence: 1, TimeStep: 1)
CENPF_3_Activator: CENPF = AURKA (Confidence: 1, TimeStep: 1)
CENPF_4_Activator: CENPF = !BTG1 (Confidence: 1, TimeStep: 1)
CENPF_5_Activator: CENPF = CCDC34 (Confidence: 1, TimeStep: 1)
CENPF_1_Inhibitor: CENPF = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPF_2_Inhibitor: CENPF = !ASF1B (Confidence: 1, TimeStep: 1)
CENPF_3_Inhibitor: CENPF = !AURKA (Confidence: 1, TimeStep: 1)
CENPF_4_Inhibitor: CENPF = BTG1 (Confidence: 1, TimeStep: 1)
CENPF_5_Inhibitor: CENPF = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPH with decay value = 1:

CENPH_1_Activator: CENPH = !BMF&MDK (Confidence: 1, TimeStep: 1)
CENPH_2_Activator: CENPH = CENPV&MDK (Confidence: 1, TimeStep: 1)

CENPH_3_Activator: CENPH = E2F7&MDK (Confidence: 1, TimeStep: 1)
CENPH_4_Activator: CENPH = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)
CENPH_5_Activator: CENPH = !IL1B&MDK (Confidence: 1, TimeStep: 1)
CENPH_1_Inhibitor: CENPH = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPH_2_Inhibitor: CENPH = !ASF1B (Confidence: 1, TimeStep: 1)
CENPH_3_Inhibitor: CENPH = !AURKA (Confidence: 1, TimeStep: 1)
CENPH_4_Inhibitor: CENPH = BTG1 (Confidence: 1, TimeStep: 1)
CENPH_5_Inhibitor: CENPH = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPK with decay value = 1:

CENPK_1_Activator: CENPK = !CDC42EP3&LOC100505650 (Confidence: 1, TimeStep: 1)
CENPK_2_Activator: CENPK = !CPM&LOC100505650 (Confidence: 1, TimeStep: 1)
CENPK_3_Activator: CENPK = CRNDE&LOC100505650 (Confidence: 1, TimeStep: 1)
CENPK_4_Activator: CENPK = !APITD1-CORT&ECT2 (Confidence: 1, TimeStep: 1)
CENPK_5_Activator: CENPK = !APITD1-CORT&!METTL7A (Confidence: 1, TimeStep: 1)
CENPK_1_Inhibitor: CENPK = !ECT2 (Confidence: 1, TimeStep: 1)
CENPK_2_Inhibitor: CENPK = !CENPK (Confidence: 1, TimeStep: 1)
CENPK_3_Inhibitor: CENPK = ISG20 (Confidence: 1, TimeStep: 1)
CENPK_4_Inhibitor: CENPK = GBP4 (Confidence: 1, TimeStep: 1)
CENPK_5_Inhibitor: CENPK = LILRB2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPN with decay value = 1:

CENPN_1_Activator: CENPN = CENPH (Confidence: 1, TimeStep: 1)
CENPN_2_Activator: CENPN = APITD1-CORT (Confidence: 1, TimeStep: 1)
CENPN_3_Activator: CENPN = ASF1B (Confidence: 1, TimeStep: 1)
CENPN_4_Activator: CENPN = AURKA (Confidence: 1, TimeStep: 1)
CENPN_5_Activator: CENPN = !BTG1 (Confidence: 1, TimeStep: 1)
CENPN_1_Inhibitor: CENPN = !CENPH (Confidence: 1, TimeStep: 1)
CENPN_2_Inhibitor: CENPN = !CDK1 (Confidence: 1, TimeStep: 1)
CENPN_3_Inhibitor: CENPN = !HMMR (Confidence: 1, TimeStep: 1)
CENPN_4_Inhibitor: CENPN = !KIF14 (Confidence: 1, TimeStep: 1)
CENPN_5_Inhibitor: CENPN = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPU with decay value = 1:

CENPU_1_Activator: CENPU = FOXM1 (Confidence: 1, TimeStep: 1)
CENPU_2_Activator: CENPU = KIF18B (Confidence: 1, TimeStep: 1)
CENPU_3_Activator: CENPU = STIL (Confidence: 1, TimeStep: 1)
CENPU_4_Activator: CENPU = UBE2T (Confidence: 1, TimeStep: 1)
CENPU_5_Activator: CENPU = ATAD2 (Confidence: 1, TimeStep: 1)
CENPU_1_Inhibitor: CENPU = CLEC2B (Confidence: 1, TimeStep: 1)
CENPU_2_Inhibitor: CENPU = TARSL2 (Confidence: 1, TimeStep: 1)
CENPU_3_Inhibitor: CENPU = !BYSL (Confidence: 1, TimeStep: 1)
CENPU_4_Inhibitor: CENPU = P2RY14 (Confidence: 1, TimeStep: 1)
CENPU_5_Inhibitor: CENPU = !PAICS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPV with decay value = 1:

CENPV_1_Activator: CENPV = ECT2 (Confidence: 1, TimeStep: 1)
CENPV_2_Activator: CENPV = FOXM1 (Confidence: 1, TimeStep: 1)
CENPV_3_Activator: CENPV = STIL (Confidence: 1, TimeStep: 1)

CENPV_4_Activator: CENPV = ATAD2 (Confidence: 1, TimeStep: 1)

CENPV_5_Activator: CENPV = BIRC5 (Confidence: 1, TimeStep: 1)

CENPV_1_Inhibitor: CENPV = !CENPV (Confidence: 1, TimeStep: 1)

CENPV_2_Inhibitor: CENPV = ITGAM (Confidence: 1, TimeStep: 1)

CENPV_3_Inhibitor: CENPV = MIR4683 (Confidence: 1, TimeStep: 1)

CENPV_4_Inhibitor: CENPV = RBMS3 (Confidence: 1, TimeStep: 1)

CENPV_5_Inhibitor: CENPV = IL18R1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CENPW with decay value = 1:

CENPW_1_Activator: CENPW = CDK1 (Confidence: 1, TimeStep: 1)

CENPW_2_Activator: CENPW = CKAP2L (Confidence: 1, TimeStep: 1)

CENPW_3_Activator: CENPW = HMMR (Confidence: 1, TimeStep: 1)

CENPW_4_Activator: CENPW = KIF14 (Confidence: 1, TimeStep: 1)

CENPW_5_Activator: CENPW = KIF20A (Confidence: 1, TimeStep: 1)

CENPW_1_Inhibitor: CENPW = !ANLN (Confidence: 1, TimeStep: 1)

CENPW_2_Inhibitor: CENPW = !PRR11 (Confidence: 1, TimeStep: 1)

CENPW_3_Inhibitor: CENPW = !CDC20 (Confidence: 1, TimeStep: 1)

CENPW_4_Inhibitor: CENPW = !KIF4A (Confidence: 1, TimeStep: 1)

CENPW_5_Inhibitor: CENPW = !MKI67 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CEP55 with decay value = 1:

CEP55_1_Activator: CEP55 = ATAD2 (Confidence: 1, TimeStep: 1)

CEP55_2_Activator: CEP55 = BIRC5 (Confidence: 1, TimeStep: 1)

CEP55_3_Activator: CEP55 = BUB1 (Confidence: 1, TimeStep: 1)

CEP55_4_Activator: CEP55 = CCNA2 (Confidence: 1, TimeStep: 1)

CEP55_5_Activator: CEP55 = CDCA5 (Confidence: 1, TimeStep: 1)

CEP55_1_Inhibitor: CEP55 = !ATAD2 (Confidence: 1, TimeStep: 1)

CEP55_2_Inhibitor: CEP55 = !BIRC5 (Confidence: 1, TimeStep: 1)

CEP55_3_Inhibitor: CEP55 = !BUB1 (Confidence: 1, TimeStep: 1)

CEP55_4_Inhibitor: CEP55 = !CCNA2 (Confidence: 1, TimeStep: 1)

CEP55_5_Inhibitor: CEP55 = !CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CHEK1 with decay value = 1:

CHEK1_1_Activator: CHEK1 = KIF2C (Confidence: 1, TimeStep: 1)

CHEK1_2_Activator: CHEK1 = ATAD2 (Confidence: 1, TimeStep: 1)

CHEK1_3_Activator: CHEK1 = BIRC5 (Confidence: 1, TimeStep: 1)

CHEK1_4_Activator: CHEK1 = BUB1 (Confidence: 1, TimeStep: 1)

CHEK1_5_Activator: CHEK1 = CCNA2 (Confidence: 1, TimeStep: 1)

CHEK1_1_Inhibitor: CHEK1 = !KIF2C (Confidence: 1, TimeStep: 1)

CHEK1_2_Inhibitor: CHEK1 = !CCNB2 (Confidence: 1, TimeStep: 1)

CHEK1_3_Inhibitor: CHEK1 = !CDC45 (Confidence: 1, TimeStep: 1)

CHEK1_4_Inhibitor: CHEK1 = !CENPA (Confidence: 1, TimeStep: 1)

CHEK1_5_Inhibitor: CHEK1 = !DLGAP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CKAP2 with decay value = 1:

CKAP2_1_Activator: CKAP2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

CKAP2_2_Activator: CKAP2 = ASF1B (Confidence: 1, TimeStep: 1)

CKAP2_3_Activator: CKAP2 = AURKA (Confidence: 1, TimeStep: 1)

CKAP2_4_Activator: CKAP2 = !BTG1 (Confidence: 1, TimeStep: 1)

CKAP2_5_Activator: CKAP2 = CCDC34 (Confidence: 1, TimeStep: 1)
CKAP2_1_Inhibitor: CKAP2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CKAP2_2_Inhibitor: CKAP2 = !ASF1B (Confidence: 1, TimeStep: 1)
CKAP2_3_Inhibitor: CKAP2 = !AURKA (Confidence: 1, TimeStep: 1)
CKAP2_4_Inhibitor: CKAP2 = BTG1 (Confidence: 1, TimeStep: 1)
CKAP2_5_Inhibitor: CKAP2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CKAP2L with decay value = 1:

CKAP2L_1_Activator: CKAP2L = APITD1-CORT (Confidence: 1, TimeStep: 1)
CKAP2L_2_Activator: CKAP2L = ASF1B (Confidence: 1, TimeStep: 1)
CKAP2L_3_Activator: CKAP2L = AURKA (Confidence: 1, TimeStep: 1)
CKAP2L_4_Activator: CKAP2L = !BTG1 (Confidence: 1, TimeStep: 1)
CKAP2L_5_Activator: CKAP2L = CCDC34 (Confidence: 1, TimeStep: 1)
CKAP2L_1_Inhibitor: CKAP2L = !APITD1-CORT (Confidence: 1, TimeStep: 1)
CKAP2L_2_Inhibitor: CKAP2L = !ASF1B (Confidence: 1, TimeStep: 1)
CKAP2L_3_Inhibitor: CKAP2L = !AURKA (Confidence: 1, TimeStep: 1)
CKAP2L_4_Inhibitor: CKAP2L = BTG1 (Confidence: 1, TimeStep: 1)
CKAP2L_5_Inhibitor: CKAP2L = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CKS1B with decay value = 1:

CKS1B_1_Activator: CKS1B = CCNB1 (Confidence: 1, TimeStep: 1)
CKS1B_2_Activator: CKS1B = CDK1 (Confidence: 1, TimeStep: 1)
CKS1B_3_Activator: CKS1B = HMMR (Confidence: 1, TimeStep: 1)
CKS1B_4_Activator: CKS1B = KIF14 (Confidence: 1, TimeStep: 1)
CKS1B_5_Activator: CKS1B = KIF20A (Confidence: 1, TimeStep: 1)
CKS1B_1_Inhibitor: CKS1B = !CCNB1 (Confidence: 1, TimeStep: 1)
CKS1B_2_Inhibitor: CKS1B = !BUB1B (Confidence: 1, TimeStep: 1)
CKS1B_3_Inhibitor: CKS1B = !CENPN (Confidence: 1, TimeStep: 1)
CKS1B_4_Inhibitor: CKS1B = !KIF15 (Confidence: 1, TimeStep: 1)
CKS1B_5_Inhibitor: CKS1B = !MCM10 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CLEC2B with decay value = 1:

CLEC2B_1_Activator: CLEC2B = LILRA1 (Confidence: 1, TimeStep: 1)
CLEC2B_2_Activator: CLEC2B = !APITD1-CORT&TUBA4A (Confidence: 1, TimeStep: 1)
CLEC2B_3_Activator: CLEC2B = !ANLN&TUBA4A (Confidence: 1, TimeStep: 1)
CLEC2B_4_Activator: CLEC2B = !APITD1-CORT&STAB1 (Confidence: 1, TimeStep: 1)
CLEC2B_5_Activator: CLEC2B = !ANLN&MPV17L (Confidence: 1, TimeStep: 1)
CLEC2B_1_Inhibitor: CLEC2B = CDT1 (Confidence: 1, TimeStep: 1)
CLEC2B_2_Inhibitor: CLEC2B = CENPU (Confidence: 1, TimeStep: 1)
CLEC2B_3_Inhibitor: CLEC2B = BRIP1 (Confidence: 1, TimeStep: 1)
CLEC2B_4_Inhibitor: CLEC2B = CHEK1 (Confidence: 1, TimeStep: 1)
CLEC2B_5_Inhibitor: CLEC2B = FANCI (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CLN8 with decay value = 1:

CLN8_1_Activator: CLN8 = !BMF&CLN8 (Confidence: 1, TimeStep: 1)
CLN8_1_Inhibitor: CLN8 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
CLN8_2_Inhibitor: CLN8 = !CLN8&!HRK (Confidence: 1, TimeStep: 1)
CLN8_3_Inhibitor: CLN8 = !BMF&!CLN8 (Confidence: 1, TimeStep: 1)
CLN8_4_Inhibitor: CLN8 = !BMF&!SMIM3 (Confidence: 1, TimeStep: 1)

CLN8_5_Inhibitor: CLN8 = !POU4F1&!SMIM3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CPM with decay value = 1:

CPM_1_Activator: CPM = CPM (Confidence: 1, TimeStep: 1)

CPM_2_Activator: CPM = !ARRDC3 (Confidence: 1, TimeStep: 2)

CPM_3_Activator: CPM = !LY96 (Confidence: 1, TimeStep: 2)

CPM_1_Inhibitor: CPM = !CD53 (Confidence: 1, TimeStep: 1)

CPM_2_Inhibitor: CPM = ECT2 (Confidence: 1, TimeStep: 1)

CPM_3_Inhibitor: CPM = GGH (Confidence: 1, TimeStep: 1)

CPM_4_Inhibitor: CPM = FOXM1 (Confidence: 1, TimeStep: 1)

CPM_5_Inhibitor: CPM = KIF2C (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for CRNDE with decay value = 1:

CRNDE_1_Activator: CRNDE = HELLS (Confidence: 1, TimeStep: 1)

CRNDE_2_Activator: CRNDE = !TMEM2 (Confidence: 1, TimeStep: 1)

CRNDE_3_Activator: CRNDE = ANP32E (Confidence: 1, TimeStep: 1)

CRNDE_4_Activator: CRNDE = ECT2 (Confidence: 1, TimeStep: 1)

CRNDE_5_Activator: CRNDE = FH (Confidence: 1, TimeStep: 1)

CRNDE_1_Inhibitor: CRNDE = !CRNDE (Confidence: 1, TimeStep: 1)

CRNDE_2_Inhibitor: CRNDE = LGALS3 (Confidence: 1, TimeStep: 1)

CRNDE_3_Inhibitor: CRNDE = RAB31 (Confidence: 1, TimeStep: 1)

CRNDE_4_Inhibitor: CRNDE = LILRA1 (Confidence: 1, TimeStep: 1)

CRNDE_5_Inhibitor: CRNDE = CDC42EP3&!LOC100996643 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DDIT4 with decay value = 1:

DDIT4_1_Activator: DDIT4 = RBMS3 (Confidence: 1, TimeStep: 1)

DDIT4_2_Activator: DDIT4 = PFKFB2 (Confidence: 1, TimeStep: 1)

DDIT4_3_Activator: DDIT4 = RPS6KA2 (Confidence: 1, TimeStep: 1)

DDIT4_4_Activator: DDIT4 = !CEP55&SMIM3 (Confidence: 1, TimeStep: 1)

DDIT4_5_Activator: DDIT4 = !CKAP2L&SMIM3 (Confidence: 1, TimeStep: 1)

DDIT4_1_Inhibitor: DDIT4 = !ZFP36L2 (Confidence: 1, TimeStep: 1)

DDIT4_2_Inhibitor: DDIT4 = HIST4H4&!SMIM3 (Confidence: 1, TimeStep: 1)

DDIT4_3_Inhibitor: DDIT4 = C4orf46&!SMIM3 (Confidence: 1, TimeStep: 1)

DDIT4_4_Inhibitor: DDIT4 = MKI67&!SMIM3 (Confidence: 1, TimeStep: 1)

DDIT4_5_Inhibitor: DDIT4 = PRR11&!SMIM3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DEFA1 with decay value = 1:

DEFA1_1_Activator: DEFA1 = !FH&LOC100505650 (Confidence: 1, TimeStep: 1)

DEFA1_2_Activator: DEFA1 = !CKS1B&LOC100505650 (Confidence: 1, TimeStep: 1)

DEFA1_3_Activator: DEFA1 = !LGALS3&LOC100130872 (Confidence: 1, TimeStep: 1)

DEFA1_4_Activator: DEFA1 = !IGH&LOC100130872 (Confidence: 1, TimeStep: 1)

DEFA1_5_Activator: DEFA1 = CKS1B&!IGLL1 (Confidence: 1, TimeStep: 1)

DEFA1_1_Inhibitor: DEFA1 = !HBB (Confidence: 1, TimeStep: 1)

DEFA1_2_Inhibitor: DEFA1 = !S100A8 (Confidence: 1, TimeStep: 1)

DEFA1_3_Inhibitor: DEFA1 = RFC3 (Confidence: 1, TimeStep: 1)

DEFA1_4_Inhibitor: DEFA1 = SHCBP1 (Confidence: 1, TimeStep: 1)

DEFA1_5_Inhibitor: DEFA1 = FH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DENND3 with decay value = 1:

DENND3_1_Activator: DENND3 = DENND3&IL1B (Confidence: 1, TimeStep: 1)

DENND3_2_Activator: DENND3 = DENND3&!ITGB2-AS1 (Confidence: 1, TimeStep: 1)

DENND3_3_Activator: DENND3 = DENND3&!LOC100130872 (Confidence: 1, TimeStep: 1)

DENND3_4_Activator: DENND3 = DENND3&RAG1 (Confidence: 1, TimeStep: 1)

DENND3_5_Activator: DENND3 = DENND3&!SEMA4D (Confidence: 1, TimeStep: 1)

DENND3_1_Inhibitor: DENND3 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

DENND3_2_Inhibitor: DENND3 = LOC100130872 (Confidence: 1, TimeStep: 1)

DENND3_3_Inhibitor: DENND3 = !METTL7A (Confidence: 1, TimeStep: 1)

DENND3_4_Inhibitor: DENND3 = SEMA4D (Confidence: 1, TimeStep: 1)

DENND3_5_Inhibitor: DENND3 = !WASF1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DEPDC1 with decay value = 1:

DEPDC1_1_Activator: DEPDC1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

DEPDC1_2_Activator: DEPDC1 = ASF1B (Confidence: 1, TimeStep: 1)

DEPDC1_3_Activator: DEPDC1 = AURKA (Confidence: 1, TimeStep: 1)

DEPDC1_4_Activator: DEPDC1 = !BTG1 (Confidence: 1, TimeStep: 1)

DEPDC1_5_Activator: DEPDC1 = CCDC34 (Confidence: 1, TimeStep: 1)

DEPDC1_1_Inhibitor: DEPDC1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

DEPDC1_2_Inhibitor: DEPDC1 = !ASF1B (Confidence: 1, TimeStep: 1)

DEPDC1_3_Inhibitor: DEPDC1 = !AURKA (Confidence: 1, TimeStep: 1)

DEPDC1_4_Inhibitor: DEPDC1 = BTG1 (Confidence: 1, TimeStep: 1)

DEPDC1_5_Inhibitor: DEPDC1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DEPDC1B with decay value = 1:

DEPDC1B_1_Activator: DEPDC1B = APITD1-CORT (Confidence: 1, TimeStep: 1)

DEPDC1B_2_Activator: DEPDC1B = ASF1B (Confidence: 1, TimeStep: 1)

DEPDC1B_3_Activator: DEPDC1B = AURKA (Confidence: 1, TimeStep: 1)

DEPDC1B_4_Activator: DEPDC1B = !BTG1 (Confidence: 1, TimeStep: 1)

DEPDC1B_5_Activator: DEPDC1B = CCDC34 (Confidence: 1, TimeStep: 1)

DEPDC1B_1_Inhibitor: DEPDC1B = !CENPF (Confidence: 1, TimeStep: 1)

DEPDC1B_2_Inhibitor: DEPDC1B = !DEPDC1B (Confidence: 1, TimeStep: 1)

DEPDC1B_3_Inhibitor: DEPDC1B = !NEK2 (Confidence: 1, TimeStep: 1)

DEPDC1B_4_Inhibitor: DEPDC1B = !ANP32E (Confidence: 1, TimeStep: 1)

DEPDC1B_5_Inhibitor: DEPDC1B = !FH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DFNA5 with decay value = 1:

DFNA5_1_Activator: DFNA5 = DFNA5 (Confidence: 1, TimeStep: 1)

DFNA5_2_Activator: DFNA5 = DEPDC1B (Confidence: 1, TimeStep: 1)

DFNA5_3_Activator: DFNA5 = PTTG1 (Confidence: 1, TimeStep: 1)

DFNA5_4_Activator: DFNA5 = CKAP2L (Confidence: 1, TimeStep: 1)

DFNA5_5_Activator: DFNA5 = AURKB (Confidence: 1, TimeStep: 1)

DFNA5_1_Inhibitor: DFNA5 = !FABP5 (Confidence: 1, TimeStep: 1)

DFNA5_2_Inhibitor: DFNA5 = !HSP90AB1 (Confidence: 1, TimeStep: 1)

DFNA5_3_Inhibitor: DFNA5 = MPV17L (Confidence: 1, TimeStep: 1)

DFNA5_4_Inhibitor: DFNA5 = !IGLL1 (Confidence: 1, TimeStep: 1)

DFNA5_5_Inhibitor: DFNA5 = LGALS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DHFR with decay value = 1:

DHFR_1_Activator: DHFR = CDK1 (Confidence: 1, TimeStep: 1)

DHFR_2_Activator: DHFR = HMMR (Confidence: 1, TimeStep: 1)

DHFR_3_Activator: DHFR = KIF14 (Confidence: 1, TimeStep: 1)
DHFR_4_Activator: DHFR = KIF20A (Confidence: 1, TimeStep: 1)
DHFR_5_Activator: DHFR = POLQ (Confidence: 1, TimeStep: 1)
DHFR_1_Inhibitor: DHFR = !CDK1 (Confidence: 1, TimeStep: 1)
DHFR_2_Inhibitor: DHFR = !HMMR (Confidence: 1, TimeStep: 1)
DHFR_3_Inhibitor: DHFR = !KIF14 (Confidence: 1, TimeStep: 1)
DHFR_4_Inhibitor: DHFR = !KIF20A (Confidence: 1, TimeStep: 1)
DHFR_5_Inhibitor: DHFR = !POLQ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DHX9 with decay value = 1:

DHX9_1_Activator: DHX9 = KIF11 (Confidence: 1, TimeStep: 1)
DHX9_2_Activator: DHX9 = CDC20 (Confidence: 1, TimeStep: 1)
DHX9_3_Activator: DHX9 = KIF4A (Confidence: 1, TimeStep: 1)
DHX9_4_Activator: DHX9 = NUSAP1 (Confidence: 1, TimeStep: 1)
DHX9_5_Activator: DHX9 = ZWINT (Confidence: 1, TimeStep: 1)
DHX9_1_Inhibitor: DHX9 = LGALS3 (Confidence: 1, TimeStep: 1)
DHX9_2_Inhibitor: DHX9 = LILRA1 (Confidence: 1, TimeStep: 1)
DHX9_3_Inhibitor: DHX9 = HBB&!ZNF367 (Confidence: 1, TimeStep: 1)
DHX9_4_Inhibitor: DHX9 = !DTL&HBB (Confidence: 1, TimeStep: 1)
DHX9_5_Inhibitor: DHX9 = !GINS2&HBB (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DLGAP5 with decay value = 1:

DLGAP5_1_Activator: DLGAP5 = APITD1-CORT (Confidence: 1, TimeStep: 1)
DLGAP5_2_Activator: DLGAP5 = ASF1B (Confidence: 1, TimeStep: 1)
DLGAP5_3_Activator: DLGAP5 = AURKA (Confidence: 1, TimeStep: 1)
DLGAP5_4_Activator: DLGAP5 = !BTG1 (Confidence: 1, TimeStep: 1)
DLGAP5_5_Activator: DLGAP5 = CCDC34 (Confidence: 1, TimeStep: 1)
DLGAP5_1_Inhibitor: DLGAP5 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
DLGAP5_2_Inhibitor: DLGAP5 = !ASF1B (Confidence: 1, TimeStep: 1)
DLGAP5_3_Inhibitor: DLGAP5 = !AURKA (Confidence: 1, TimeStep: 1)
DLGAP5_4_Inhibitor: DLGAP5 = BTG1 (Confidence: 1, TimeStep: 1)
DLGAP5_5_Inhibitor: DLGAP5 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DPEP1 with decay value = 1:

DPEP1_1_Activator: DPEP1 = DPEP1 (Confidence: 1, TimeStep: 1)
DPEP1_2_Activator: DPEP1 = HRK (Confidence: 1, TimeStep: 1)
DPEP1_3_Activator: DPEP1 = POU4F1 (Confidence: 1, TimeStep: 1)
DPEP1_4_Activator: DPEP1 = RPS6KA2 (Confidence: 1, TimeStep: 1)
DPEP1_5_Activator: DPEP1 = ISG20&!LILRA1 (Confidence: 1, TimeStep: 1)
DPEP1_1_Inhibitor: DPEP1 = LOC100130872 (Confidence: 1, TimeStep: 1)
DPEP1_2_Inhibitor: DPEP1 = !METTL7A (Confidence: 1, TimeStep: 1)
DPEP1_3_Inhibitor: DPEP1 = LILRA1 (Confidence: 1, TimeStep: 1)
DPEP1_4_Inhibitor: DPEP1 = !ARPP21&!MSH6 (Confidence: 1, TimeStep: 1)
DPEP1_5_Inhibitor: DPEP1 = !ARPP21&!SIK1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DSCC1 with decay value = 1:

DSCC1_1_Activator: DSCC1 = APITD1-CORT (Confidence: 1, TimeStep: 1)
DSCC1_2_Activator: DSCC1 = ASF1B (Confidence: 1, TimeStep: 1)
DSCC1_3_Activator: DSCC1 = AURKA (Confidence: 1, TimeStep: 1)

DSCC1_4_Activator: DSCC1 = !BTG1 (Confidence: 1, TimeStep: 1)
DSCC1_5_Activator: DSCC1 = CCDC34 (Confidence: 1, TimeStep: 1)
DSCC1_1_Inhibitor: DSCC1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
DSCC1_2_Inhibitor: DSCC1 = !ASF1B (Confidence: 1, TimeStep: 1)
DSCC1_3_Inhibitor: DSCC1 = !AURKA (Confidence: 1, TimeStep: 1)
DSCC1_4_Inhibitor: DSCC1 = BTG1 (Confidence: 1, TimeStep: 1)
DSCC1_5_Inhibitor: DSCC1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for DTL with decay value = 1:

DTL_1_Activator: DTL = ANLN (Confidence: 1, TimeStep: 1)
DTL_2_Activator: DTL = CEP55 (Confidence: 1, TimeStep: 1)
DTL_3_Activator: DTL = CCNB2 (Confidence: 1, TimeStep: 1)
DTL_4_Activator: DTL = CDC45 (Confidence: 1, TimeStep: 1)
DTL_5_Activator: DTL = CENPA (Confidence: 1, TimeStep: 1)
DTL_1_Inhibitor: DTL = !ZNF367 (Confidence: 1, TimeStep: 1)
DTL_2_Inhibitor: DTL = !E2F8 (Confidence: 1, TimeStep: 1)
DTL_3_Inhibitor: DTL = !GINS2 (Confidence: 1, TimeStep: 1)
DTL_4_Inhibitor: DTL = !DTL (Confidence: 1, TimeStep: 1)
DTL_5_Inhibitor: DTL = !MCM7 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for E2F7 with decay value = 1:

E2F7_1_Activator: E2F7 = ATAD2 (Confidence: 1, TimeStep: 1)
E2F7_2_Activator: E2F7 = BIRC5 (Confidence: 1, TimeStep: 1)
E2F7_3_Activator: E2F7 = BUB1 (Confidence: 1, TimeStep: 1)
E2F7_4_Activator: E2F7 = CCNA2 (Confidence: 1, TimeStep: 1)
E2F7_5_Activator: E2F7 = CDCA5 (Confidence: 1, TimeStep: 1)
E2F7_1_Inhibitor: E2F7 = !CKS1B (Confidence: 1, TimeStep: 1)
E2F7_2_Inhibitor: E2F7 = GIMAP4 (Confidence: 1, TimeStep: 1)
E2F7_3_Inhibitor: E2F7 = LILRB2 (Confidence: 1, TimeStep: 1)
E2F7_4_Inhibitor: E2F7 = RNASET2 (Confidence: 1, TimeStep: 1)
E2F7_5_Inhibitor: E2F7 = !TIMELESS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for E2F8 with decay value = 1:

E2F8_1_Activator: E2F8 = CKAP2L (Confidence: 1, TimeStep: 1)
E2F8_2_Activator: E2F8 = KIF18B (Confidence: 1, TimeStep: 1)
E2F8_3_Activator: E2F8 = UBE2T (Confidence: 1, TimeStep: 1)
E2F8_4_Activator: E2F8 = ATAD2 (Confidence: 1, TimeStep: 1)
E2F8_5_Activator: E2F8 = AURKB (Confidence: 1, TimeStep: 1)
E2F8_1_Inhibitor: E2F8 = !RAD51AP1 (Confidence: 1, TimeStep: 1)
E2F8_2_Inhibitor: E2F8 = !BYSL (Confidence: 1, TimeStep: 1)
E2F8_3_Inhibitor: E2F8 = !SELENOI (Confidence: 1, TimeStep: 1)
E2F8_4_Inhibitor: E2F8 = CCR1 (Confidence: 1, TimeStep: 1)
E2F8_5_Inhibitor: E2F8 = !PTP4A1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ECT2 with decay value = 1:

ECT2_1_Activator: ECT2 = ECT2 (Confidence: 1, TimeStep: 1)
ECT2_2_Activator: ECT2 = FOXM1 (Confidence: 1, TimeStep: 1)
ECT2_3_Activator: ECT2 = STIL (Confidence: 1, TimeStep: 1)
ECT2_4_Activator: ECT2 = ATAD2 (Confidence: 1, TimeStep: 1)

ECT2_5_Activator: ECT2 = BIRC5 (Confidence: 1, TimeStep: 1)
ECT2_1_Inhibitor: ECT2 = !ECT2 (Confidence: 1, TimeStep: 1)
ECT2_2_Inhibitor: ECT2 = !CENPK (Confidence: 1, TimeStep: 1)
ECT2_3_Inhibitor: ECT2 = ISG20 (Confidence: 1, TimeStep: 1)
ECT2_4_Inhibitor: ECT2 = GBP4 (Confidence: 1, TimeStep: 1)
ECT2_5_Inhibitor: ECT2 = LILRB2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for EGR1 with decay value = 1:

EGR1_1_Activator: EGR1 = !DEPDC1B&EGR1&PAICS (Confidence: 1, TimeStep: 1)
EGR1_2_Activator: EGR1 = !LYZ (Confidence: 1, TimeStep: 2)
EGR1_3_Activator: EGR1 = GGH (Confidence: 1, TimeStep: 2)
EGR1_4_Activator: EGR1 = !S100A8 (Confidence: 1, TimeStep: 2)
EGR1_1_Inhibitor: EGR1 = DEPDC1B (Confidence: 1, TimeStep: 1)
EGR1_2_Inhibitor: EGR1 = !GGH&LYZ (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for ELL2 with decay value = 1:

ELL2_1_Activator: ELL2 = ELL2 (Confidence: 1, TimeStep: 1)
ELL2_2_Activator: ELL2 = KLF9&!NEDD9 (Confidence: 1, TimeStep: 1)
ELL2_3_Activator: ELL2 = !GIMAP7&KLF9 (Confidence: 1, TimeStep: 1)
ELL2_4_Activator: ELL2 = !CELF2 (Confidence: 1, TimeStep: 2)
ELL2_1_Inhibitor: ELL2 = LOC100130872 (Confidence: 1, TimeStep: 1)
ELL2_2_Inhibitor: ELL2 = CELF2&!KLF9 (Confidence: 1, TimeStep: 1)
ELL2_3_Inhibitor: ELL2 = CELF2&!ELL2&GIMAP7 (Confidence: 1, TimeStep: 1)
ELL2_4_Inhibitor: ELL2 = !PAICS (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for EMP1 with decay value = 1:

EMP1_1_Activator: EMP1 = !BCL2L11&EMP1 (Confidence: 1, TimeStep: 1)
EMP1_2_Activator: EMP1 = !CENPU&EMP1 (Confidence: 1, TimeStep: 1)
EMP1_3_Activator: EMP1 = DENND3&EMP1 (Confidence: 1, TimeStep: 1)
EMP1_4_Activator: EMP1 = !E2F7&EMP1 (Confidence: 1, TimeStep: 1)
EMP1_5_Activator: EMP1 = !ECT2&EMP1 (Confidence: 1, TimeStep: 1)
EMP1_1_Inhibitor: EMP1 = !EMP1 (Confidence: 1, TimeStep: 1)
EMP1_2_Inhibitor: EMP1 = !IL1B (Confidence: 1, TimeStep: 1)
EMP1_3_Inhibitor: EMP1 = !DENND3 (Confidence: 1, TimeStep: 1)
EMP1_4_Inhibitor: EMP1 = !B3GNT2 (Confidence: 1, TimeStep: 1)
EMP1_5_Inhibitor: EMP1 = BCL2L11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for EPPK1 with decay value = 1:

EPPK1_1_Activator: EPPK1 = BTNL9&!CRNDE (Confidence: 1, TimeStep: 1)
EPPK1_2_Activator: EPPK1 = BTNL9&CDC42EP3 (Confidence: 1, TimeStep: 1)
EPPK1_3_Activator: EPPK1 = CLN8&!SNTB2 (Confidence: 1, TimeStep: 1)
EPPK1_4_Activator: EPPK1 = !CPM&EPPK1 (Confidence: 1, TimeStep: 1)
EPPK1_5_Activator: EPPK1 = !CPM&!CRNDE&P2RX5 (Confidence: 1, TimeStep: 1)
EPPK1_1_Inhibitor: EPPK1 = BCL2L11 (Confidence: 1, TimeStep: 1)
EPPK1_2_Inhibitor: EPPK1 = !IRAK3 (Confidence: 1, TimeStep: 1)
EPPK1_3_Inhibitor: EPPK1 = !LILRB2 (Confidence: 1, TimeStep: 1)
EPPK1_4_Inhibitor: EPPK1 = S100A11 (Confidence: 1, TimeStep: 1)
EPPK1_5_Inhibitor: EPPK1 = CKS1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for F13A1 with decay value = 1:

F13A1_1_Activator: F13A1 = F13A1 (Confidence: 1, TimeStep: 1)
F13A1_2_Activator: F13A1 = !BYSL&FGL2 (Confidence: 1, TimeStep: 1)
F13A1_3_Activator: F13A1 = CD53&FGL2 (Confidence: 1, TimeStep: 1)
F13A1_4_Activator: F13A1 = CDC42EP3&FGD2 (Confidence: 1, TimeStep: 1)
F13A1_5_Activator: F13A1 = CDC42EP3&!RHOBTB3 (Confidence: 1, TimeStep: 1)
F13A1_1_Inhibitor: F13A1 = !MIR8071-1 (Confidence: 1, TimeStep: 1)
F13A1_2_Inhibitor: F13A1 = !MTSS1 (Confidence: 1, TimeStep: 1)
F13A1_3_Inhibitor: F13A1 = !PDE4B (Confidence: 1, TimeStep: 1)
F13A1_4_Inhibitor: F13A1 = !SERPINB9 (Confidence: 1, TimeStep: 1)
F13A1_5_Inhibitor: F13A1 = CCDC86 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FABP5 with decay value = 1:

FABP5_1_Activator: FABP5 = NME1 (Confidence: 1, TimeStep: 1)
FABP5_2_Activator: FABP5 = KIF11 (Confidence: 1, TimeStep: 1)
FABP5_3_Activator: FABP5 = MTHFD2 (Confidence: 1, TimeStep: 1)
FABP5_4_Activator: FABP5 = CDC20 (Confidence: 1, TimeStep: 1)
FABP5_5_Activator: FABP5 = KIF4A (Confidence: 1, TimeStep: 1)
FABP5_1_Inhibitor: FABP5 = LGALS3 (Confidence: 1, TimeStep: 1)
FABP5_2_Inhibitor: FABP5 = RAB31 (Confidence: 1, TimeStep: 1)
FABP5_3_Inhibitor: FABP5 = !CCDC86&HBG1 (Confidence: 1, TimeStep: 1)
FABP5_4_Inhibitor: FABP5 = HBG1&!RBM14 (Confidence: 1, TimeStep: 1)
FABP5_5_Inhibitor: FABP5 = !BYSL&HBG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FAM72C with decay value = 1:

FAM72C_1_Activator: FAM72C = APITD1-CORT (Confidence: 1, TimeStep: 1)
FAM72C_2_Activator: FAM72C = ASF1B (Confidence: 1, TimeStep: 1)
FAM72C_3_Activator: FAM72C = AURKA (Confidence: 1, TimeStep: 1)
FAM72C_4_Activator: FAM72C = !BTG1 (Confidence: 1, TimeStep: 1)
FAM72C_5_Activator: FAM72C = CCDC34 (Confidence: 1, TimeStep: 1)
FAM72C_1_Inhibitor: FAM72C = !APITD1-CORT (Confidence: 1, TimeStep: 1)
FAM72C_2_Inhibitor: FAM72C = !ASF1B (Confidence: 1, TimeStep: 1)
FAM72C_3_Inhibitor: FAM72C = !AURKA (Confidence: 1, TimeStep: 1)
FAM72C_4_Inhibitor: FAM72C = BTG1 (Confidence: 1, TimeStep: 1)
FAM72C_5_Inhibitor: FAM72C = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FANCI with decay value = 1:

FANCI_1_Activator: FANCI = FOXM1 (Confidence: 1, TimeStep: 1)
FANCI_2_Activator: FANCI = KIF2C (Confidence: 1, TimeStep: 1)
FANCI_3_Activator: FANCI = STIL (Confidence: 1, TimeStep: 1)
FANCI_4_Activator: FANCI = ATAD2 (Confidence: 1, TimeStep: 1)
FANCI_5_Activator: FANCI = BIRC5 (Confidence: 1, TimeStep: 1)
FANCI_1_Inhibitor: FANCI = !ANLN (Confidence: 1, TimeStep: 1)
FANCI_2_Inhibitor: FANCI = !BRIP1 (Confidence: 1, TimeStep: 1)
FANCI_3_Inhibitor: FANCI = !CHEK1 (Confidence: 1, TimeStep: 1)
FANCI_4_Inhibitor: FANCI = !FANCI (Confidence: 1, TimeStep: 1)
FANCI_5_Inhibitor: FANCI = !HELLS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FCER1G with decay value = 1:

FCER1G_1_Activator: FCER1G = LILRA1 (Confidence: 1, TimeStep: 1)

FCER1G_2_Activator: FCER1G = GVINP1&IGH (Confidence: 1, TimeStep: 1)
FCER1G_3_Activator: FCER1G = GVINP1&IL18R1 (Confidence: 1, TimeStep: 1)
FCER1G_4_Activator: FCER1G = GVINP1&!PRPS2 (Confidence: 1, TimeStep: 1)
FCER1G_5_Activator: FCER1G = BIRC3&FGL2 (Confidence: 1, TimeStep: 1)
FCER1G_1_Inhibitor: FCER1G = IQGAP3 (Confidence: 1, TimeStep: 1)
FCER1G_2_Inhibitor: FCER1G = TMEM97 (Confidence: 1, TimeStep: 1)
FCER1G_3_Inhibitor: FCER1G = WDHD1 (Confidence: 1, TimeStep: 1)
FCER1G_4_Inhibitor: FCER1G = CENPH (Confidence: 1, TimeStep: 1)
FCER1G_5_Inhibitor: FCER1G = APITD1-CORT (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FCGR3B with decay value = 1:

FCGR3B_1_Activator: FCGR3B = FGL2 (Confidence: 1, TimeStep: 1)
FCGR3B_2_Activator: FCGR3B = LILRA1 (Confidence: 1, TimeStep: 1)
FCGR3B_3_Activator: FCGR3B = !E2F7&FCGR3B (Confidence: 1, TimeStep: 1)
FCGR3B_4_Activator: FCGR3B = FCGR3B&!MTHFD2 (Confidence: 1, TimeStep: 1)
FCGR3B_5_Activator: FCGR3B = !CCDC86&FCGR3B (Confidence: 1, TimeStep: 1)
FCGR3B_1_Inhibitor: FCGR3B = IQGAP3 (Confidence: 1, TimeStep: 1)
FCGR3B_2_Inhibitor: FCGR3B = TMEM97 (Confidence: 1, TimeStep: 1)
FCGR3B_3_Inhibitor: FCGR3B = WDHD1 (Confidence: 1, TimeStep: 1)
FCGR3B_4_Inhibitor: FCGR3B = CENPH (Confidence: 1, TimeStep: 1)
FCGR3B_5_Inhibitor: FCGR3B = APITD1-CORT (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FEN1 with decay value = 1:

FEN1_1_Activator: FEN1 = !BMF&MDK (Confidence: 1, TimeStep: 1)
FEN1_2_Activator: FEN1 = CENPV&MDK (Confidence: 1, TimeStep: 1)
FEN1_3_Activator: FEN1 = E2F7&MDK (Confidence: 1, TimeStep: 1)
FEN1_4_Activator: FEN1 = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)
FEN1_5_Activator: FEN1 = !IL1B&MDK (Confidence: 1, TimeStep: 1)
FEN1_1_Inhibitor: FEN1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
FEN1_2_Inhibitor: FEN1 = !ASF1B (Confidence: 1, TimeStep: 1)
FEN1_3_Inhibitor: FEN1 = !AURKA (Confidence: 1, TimeStep: 1)
FEN1_4_Inhibitor: FEN1 = BTG1 (Confidence: 1, TimeStep: 1)
FEN1_5_Inhibitor: FEN1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FGD2 with decay value = 1:

FGD2_1_Activator: FGD2 = FGD2 (Confidence: 1, TimeStep: 1)
FGD2_2_Activator: FGD2 = LILRA1 (Confidence: 1, TimeStep: 1)
FGD2_3_Activator: FGD2 = FCGR3B&IL6ST (Confidence: 1, TimeStep: 1)
FGD2_4_Activator: FGD2 = !ANLN&F13A1 (Confidence: 1, TimeStep: 1)
FGD2_5_Activator: FGD2 = !CEP55&F13A1 (Confidence: 1, TimeStep: 1)
FGD2_1_Inhibitor: FGD2 = !SMAP2 (Confidence: 1, TimeStep: 1)
FGD2_2_Inhibitor: FGD2 = ECT2 (Confidence: 1, TimeStep: 1)
FGD2_3_Inhibitor: FGD2 = !MS4A1 (Confidence: 1, TimeStep: 1)
FGD2_4_Inhibitor: FGD2 = FOXM1 (Confidence: 1, TimeStep: 1)
FGD2_5_Inhibitor: FGD2 = STIL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FGL2 with decay value = 1:

FGL2_1_Activator: FGL2 = BIRC3&FGL2 (Confidence: 1, TimeStep: 1)
FGL2_2_Activator: FGL2 = BIRC3&PPBP (Confidence: 1, TimeStep: 1)

FGL2_3_Activator: FGL2 = F13A1&!MYRIP (Confidence: 1, TimeStep: 1)
FGL2_4_Activator: FGL2 = BIRC3&F13A1 (Confidence: 1, TimeStep: 1)
FGL2_5_Activator: FGL2 = CDC42EP3&!ID3 (Confidence: 1, TimeStep: 1)
FGL2_1_Inhibitor: FGL2 = !PIK3IP1 (Confidence: 1, TimeStep: 1)
FGL2_2_Inhibitor: FGL2 = !LYZ (Confidence: 1, TimeStep: 1)
FGL2_3_Inhibitor: FGL2 = KIF11 (Confidence: 1, TimeStep: 1)
FGL2_4_Inhibitor: FGL2 = MTHFD2 (Confidence: 1, TimeStep: 1)
FGL2_5_Inhibitor: FGL2 = NUF2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FGR with decay value = 1:

FGR_1_Activator: FGR = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
FGR_2_Activator: FGR = LOC100130872 (Confidence: 1, TimeStep: 1)
FGR_3_Activator: FGR = BCL10 (Confidence: 1, TimeStep: 1)
FGR_4_Activator: FGR = !ANP32E&TNFSF8 (Confidence: 1, TimeStep: 1)
FGR_5_Activator: FGR = !ASPM&TNFSF8 (Confidence: 1, TimeStep: 1)
FGR_1_Inhibitor: FGR = FH (Confidence: 1, TimeStep: 1)
FGR_2_Inhibitor: FGR = IQGAP3 (Confidence: 1, TimeStep: 1)
FGR_3_Inhibitor: FGR = TMEM97 (Confidence: 1, TimeStep: 1)
FGR_4_Inhibitor: FGR = WDHD1 (Confidence: 1, TimeStep: 1)
FGR_5_Inhibitor: FGR = CENPH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FH with decay value = 1:

FH_1_Activator: FH = APITD1-CORT (Confidence: 1, TimeStep: 1)
FH_2_Activator: FH = ASF1B (Confidence: 1, TimeStep: 1)
FH_3_Activator: FH = AURKA (Confidence: 1, TimeStep: 1)
FH_4_Activator: FH = !BTG1 (Confidence: 1, TimeStep: 1)
FH_5_Activator: FH = CCDC34 (Confidence: 1, TimeStep: 1)
FH_1_Inhibitor: FH = !DEPDC1B (Confidence: 1, TimeStep: 1)
FH_2_Inhibitor: FH = !ANP32E (Confidence: 1, TimeStep: 1)
FH_3_Inhibitor: FH = !FH (Confidence: 1, TimeStep: 1)
FH_4_Inhibitor: FH = !E2F7 (Confidence: 1, TimeStep: 1)
FH_5_Inhibitor: FH = NEAT1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FOXM1 with decay value = 1:

FOXM1_1_Activator: FOXM1 = ATAD2 (Confidence: 1, TimeStep: 1)
FOXM1_2_Activator: FOXM1 = BIRC5 (Confidence: 1, TimeStep: 1)
FOXM1_3_Activator: FOXM1 = BUB1 (Confidence: 1, TimeStep: 1)
FOXM1_4_Activator: FOXM1 = CCNA2 (Confidence: 1, TimeStep: 1)
FOXM1_5_Activator: FOXM1 = CDCA5 (Confidence: 1, TimeStep: 1)
FOXM1_1_Inhibitor: FOXM1 = !ATAD2 (Confidence: 1, TimeStep: 1)
FOXM1_2_Inhibitor: FOXM1 = !BIRC5 (Confidence: 1, TimeStep: 1)
FOXM1_3_Inhibitor: FOXM1 = !BUB1 (Confidence: 1, TimeStep: 1)
FOXM1_4_Inhibitor: FOXM1 = !CCNA2 (Confidence: 1, TimeStep: 1)
FOXM1_5_Inhibitor: FOXM1 = !CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for FUS with decay value = 1:

FUS_1_Activator: FUS = C5orf24&MPV17L (Confidence: 1, TimeStep: 1)
FUS_2_Activator: FUS = DTL&HBG1 (Confidence: 1, TimeStep: 1)
FUS_3_Activator: FUS = BRCA1&HBG1 (Confidence: 1, TimeStep: 1)

FUS_4_Activator: FUS = BYSL&!IGLL1 (Confidence: 1, TimeStep: 1)
FUS_5_Activator: FUS = !CELF2&GVINP1 (Confidence: 1, TimeStep: 1)
FUS_1_Inhibitor: FUS = CCNB1 (Confidence: 1, TimeStep: 1)
FUS_2_Inhibitor: FUS = IQGAP3 (Confidence: 1, TimeStep: 1)
FUS_3_Inhibitor: FUS = PTTG1 (Confidence: 1, TimeStep: 1)
FUS_4_Inhibitor: FUS = CDK1 (Confidence: 1, TimeStep: 1)
FUS_5_Inhibitor: FUS = CKAP2L (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GBP4 with decay value = 1:

GBP4_1_Activator: GBP4 = !CDT1&DENND3 (Confidence: 1, TimeStep: 1)
GBP4_2_Activator: GBP4 = DENND3&!KNL1 (Confidence: 1, TimeStep: 1)
GBP4_3_Activator: GBP4 = !CDT1&IL1B (Confidence: 1, TimeStep: 1)
GBP4_4_Activator: GBP4 = DENND3&!MCM5 (Confidence: 1, TimeStep: 1)
GBP4_5_Activator: GBP4 = DENND3&!RAD51 (Confidence: 1, TimeStep: 1)
GBP4_1_Inhibitor: GBP4 = !GBP4 (Confidence: 1, TimeStep: 1)
GBP4_2_Inhibitor: GBP4 = KNL1 (Confidence: 1, TimeStep: 1)
GBP4_3_Inhibitor: GBP4 = CDT1 (Confidence: 1, TimeStep: 1)
GBP4_4_Inhibitor: GBP4 = BRIP1 (Confidence: 1, TimeStep: 1)
GBP4_5_Inhibitor: GBP4 = C4orf46 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GGH with decay value = 1:

GGH_1_Activator: GGH = CENPH (Confidence: 1, TimeStep: 1)
GGH_2_Activator: GGH = APITD1-CORT (Confidence: 1, TimeStep: 1)
GGH_3_Activator: GGH = ASF1B (Confidence: 1, TimeStep: 1)
GGH_4_Activator: GGH = AURKA (Confidence: 1, TimeStep: 1)
GGH_5_Activator: GGH = !BTG1 (Confidence: 1, TimeStep: 1)
GGH_1_Inhibitor: GGH = !CENPH (Confidence: 1, TimeStep: 1)
GGH_2_Inhibitor: GGH = !CDK1 (Confidence: 1, TimeStep: 1)
GGH_3_Inhibitor: GGH = !HMMR (Confidence: 1, TimeStep: 1)
GGH_4_Inhibitor: GGH = !KIF14 (Confidence: 1, TimeStep: 1)
GGH_5_Inhibitor: GGH = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GIMAP4 with decay value = 1:

GIMAP4_1_Activator: GIMAP4 = CCR1 (Confidence: 1, TimeStep: 1)
GIMAP4_2_Activator: GIMAP4 = GVINP1 (Confidence: 1, TimeStep: 1)
GIMAP4_3_Activator: GIMAP4 = F13A1 (Confidence: 1, TimeStep: 1)
GIMAP4_4_Activator: GIMAP4 = FGL2 (Confidence: 1, TimeStep: 1)
GIMAP4_5_Activator: GIMAP4 = !ANP32E&PIK3IP1 (Confidence: 1, TimeStep: 1)
GIMAP4_1_Inhibitor: GIMAP4 = E2F7 (Confidence: 1, TimeStep: 1)
GIMAP4_2_Inhibitor: GIMAP4 = DEPDC1B (Confidence: 1, TimeStep: 1)
GIMAP4_3_Inhibitor: GIMAP4 = FOXM1 (Confidence: 1, TimeStep: 1)
GIMAP4_4_Inhibitor: GIMAP4 = KIF18B (Confidence: 1, TimeStep: 1)
GIMAP4_5_Inhibitor: GIMAP4 = STIL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GIMAP7 with decay value = 1:

GIMAP7_1_Activator: GIMAP7 = GVINP1 (Confidence: 1, TimeStep: 1)
GIMAP7_2_Activator: GIMAP7 = MPV17L (Confidence: 1, TimeStep: 1)
GIMAP7_3_Activator: GIMAP7 = F13A1 (Confidence: 1, TimeStep: 1)
GIMAP7_4_Activator: GIMAP7 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

GIMAP7_5_Activator: GIMAP7 = FGL2 (Confidence: 1, TimeStep: 1)

GIMAP7_1_Inhibitor: GIMAP7 = DEPC1B (Confidence: 1, TimeStep: 1)

GIMAP7_2_Inhibitor: GIMAP7 = PTTG1 (Confidence: 1, TimeStep: 1)

GIMAP7_3_Inhibitor: GIMAP7 = AURKB (Confidence: 1, TimeStep: 1)

GIMAP7_4_Inhibitor: GIMAP7 = KIF18A (Confidence: 1, TimeStep: 1)

GIMAP7_5_Inhibitor: GIMAP7 = OIP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GINS1 with decay value = 1:

GINS1_1_Activator: GINS1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

GINS1_2_Activator: GINS1 = ASF1B (Confidence: 1, TimeStep: 1)

GINS1_3_Activator: GINS1 = AURKA (Confidence: 1, TimeStep: 1)

GINS1_4_Activator: GINS1 = !BTG1 (Confidence: 1, TimeStep: 1)

GINS1_5_Activator: GINS1 = CCDC34 (Confidence: 1, TimeStep: 1)

GINS1_1_Inhibitor: GINS1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

GINS1_2_Inhibitor: GINS1 = !ASF1B (Confidence: 1, TimeStep: 1)

GINS1_3_Inhibitor: GINS1 = !AURKA (Confidence: 1, TimeStep: 1)

GINS1_4_Inhibitor: GINS1 = BTG1 (Confidence: 1, TimeStep: 1)

GINS1_5_Inhibitor: GINS1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GINS2 with decay value = 1:

GINS2_1_Activator: GINS2 = ANLN (Confidence: 1, TimeStep: 1)

GINS2_2_Activator: GINS2 = BRIP1 (Confidence: 1, TimeStep: 1)

GINS2_3_Activator: GINS2 = CHEK1 (Confidence: 1, TimeStep: 1)

GINS2_4_Activator: GINS2 = FANCI (Confidence: 1, TimeStep: 1)

GINS2_5_Activator: GINS2 = TTK (Confidence: 1, TimeStep: 1)

GINS2_1_Inhibitor: GINS2 = !RAD51 (Confidence: 1, TimeStep: 1)

GINS2_2_Inhibitor: GINS2 = !PCNA (Confidence: 1, TimeStep: 1)

GINS2_3_Inhibitor: GINS2 = !ZNF367 (Confidence: 1, TimeStep: 1)

GINS2_4_Inhibitor: GINS2 = !BRCA1 (Confidence: 1, TimeStep: 1)

GINS2_5_Inhibitor: GINS2 = !GINS2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GSN with decay value = 1:

GSN_1_Activator: GSN = SERPINB9 (Confidence: 1, TimeStep: 1)

GSN_2_Activator: GSN = ITGAM (Confidence: 1, TimeStep: 1)

GSN_3_Activator: GSN = TBXA2R (Confidence: 1, TimeStep: 1)

GSN_4_Activator: GSN = CCR1 (Confidence: 1, TimeStep: 1)

GSN_5_Activator: GSN = RBMS3 (Confidence: 1, TimeStep: 1)

GSN_1_Inhibitor: GSN = !METTL7A (Confidence: 1, TimeStep: 1)

GSN_2_Inhibitor: GSN = UBE2C (Confidence: 1, TimeStep: 1)

GSN_3_Inhibitor: GSN = !AKAP12&!LILRB2 (Confidence: 1, TimeStep: 1)

GSN_4_Inhibitor: GSN = !AKAP12&!IL6ST (Confidence: 1, TimeStep: 1)

GSN_5_Inhibitor: GSN = !AKAP12&!KLF9 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for GVINP1 with decay value = 1:

GVINP1_1_Activator: GVINP1 = PPBP (Confidence: 1, TimeStep: 1)

GVINP1_2_Activator: GVINP1 = FGL2 (Confidence: 1, TimeStep: 1)

GVINP1_3_Activator: GVINP1 = LILRA1 (Confidence: 1, TimeStep: 1)

GVINP1_4_Activator: GVINP1 = !BRCA1&SERPINA1 (Confidence: 1, TimeStep: 1)

GVINP1_5_Activator: GVINP1 = !BYSL&MS4A7 (Confidence: 1, TimeStep: 1)

GVINP1_1_Inhibitor: GVINP1 = MCM7 (Confidence: 1, TimeStep: 1)
GVINP1_2_Inhibitor: GVINP1 = KIF11 (Confidence: 1, TimeStep: 1)
GVINP1_3_Inhibitor: GVINP1 = KNL1 (Confidence: 1, TimeStep: 1)
GVINP1_4_Inhibitor: GVINP1 = DHFR (Confidence: 1, TimeStep: 1)
GVINP1_5_Inhibitor: GVINP1 = MTHFD2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HBB with decay value = 1:

HBB_1_Activator: HBB = LGALS3 (Confidence: 1, TimeStep: 1)
HBB_2_Activator: HBB = LOC100130872 (Confidence: 1, TimeStep: 1)
HBB_3_Activator: HBB = !CENPF&DEFA1 (Confidence: 1, TimeStep: 1)
HBB_4_Activator: HBB = !CKS1B&!PSPH (Confidence: 1, TimeStep: 1)
HBB_5_Activator: HBB = HBB&IGH (Confidence: 1, TimeStep: 1)
HBB_1_Inhibitor: HBB = SHCBP1 (Confidence: 1, TimeStep: 1)
HBB_2_Inhibitor: HBB = CCNB1 (Confidence: 1, TimeStep: 1)
HBB_3_Inhibitor: HBB = CENPF (Confidence: 1, TimeStep: 1)
HBB_4_Inhibitor: HBB = NEK2 (Confidence: 1, TimeStep: 1)
HBB_5_Inhibitor: HBB = CDK1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HBG1 with decay value = 1:

HBG1_1_Activator: HBG1 = LGALS3 (Confidence: 1, TimeStep: 1)
HBG1_2_Activator: HBG1 = LOC100130872 (Confidence: 1, TimeStep: 1)
HBG1_3_Activator: HBG1 = LILRA1 (Confidence: 1, TimeStep: 1)
HBG1_4_Activator: HBG1 = !CENPF&DEFA1 (Confidence: 1, TimeStep: 1)
HBG1_5_Activator: HBG1 = HBB&IGH (Confidence: 1, TimeStep: 1)
HBG1_1_Inhibitor: HBG1 = !S100A8 (Confidence: 1, TimeStep: 1)
HBG1_2_Inhibitor: HBG1 = RFC3 (Confidence: 1, TimeStep: 1)
HBG1_3_Inhibitor: HBG1 = SHCBP1 (Confidence: 1, TimeStep: 1)
HBG1_4_Inhibitor: HBG1 = FH (Confidence: 1, TimeStep: 1)
HBG1_5_Inhibitor: HBG1 = CCNB1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HELLS with decay value = 1:

HELLS_1_Activator: HELLS = KIF2C (Confidence: 1, TimeStep: 1)
HELLS_2_Activator: HELLS = ATAD2 (Confidence: 1, TimeStep: 1)
HELLS_3_Activator: HELLS = BIRC5 (Confidence: 1, TimeStep: 1)
HELLS_4_Activator: HELLS = BUB1 (Confidence: 1, TimeStep: 1)
HELLS_5_Activator: HELLS = CCNA2 (Confidence: 1, TimeStep: 1)
HELLS_1_Inhibitor: HELLS = !KIF2C (Confidence: 1, TimeStep: 1)
HELLS_2_Inhibitor: HELLS = !CCNB2 (Confidence: 1, TimeStep: 1)
HELLS_3_Inhibitor: HELLS = !CDC45 (Confidence: 1, TimeStep: 1)
HELLS_4_Inhibitor: HELLS = !CENPA (Confidence: 1, TimeStep: 1)
HELLS_5_Inhibitor: HELLS = !DLGAP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HIST4H4 with decay value = 1:

HIST4H4_1_Activator: HIST4H4 = !TXNIP (Confidence: 1, TimeStep: 1)
HIST4H4_2_Activator: HIST4H4 = AURKB (Confidence: 1, TimeStep: 1)
HIST4H4_3_Activator: HIST4H4 = CKAP2 (Confidence: 1, TimeStep: 1)
HIST4H4_4_Activator: HIST4H4 = KIF18A (Confidence: 1, TimeStep: 1)
HIST4H4_5_Activator: HIST4H4 = OIP5 (Confidence: 1, TimeStep: 1)
HIST4H4_1_Inhibitor: HIST4H4 = EMP1 (Confidence: 1, TimeStep: 1)

HIST4H4_2_Inhibitor: HIST4H4 = !TNFRSF21 (Confidence: 1, TimeStep: 1)
HIST4H4_3_Inhibitor: HIST4H4 = !C5orf24 (Confidence: 1, TimeStep: 1)
HIST4H4_4_Inhibitor: HIST4H4 = !BCL2L11&CDK6 (Confidence: 1, TimeStep: 1)
HIST4H4_5_Inhibitor: HIST4H4 = B3GNT2&!CENPU (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HJURP with decay value = 1:

HJURP_1_Activator: HJURP = APITD1-CORT (Confidence: 1, TimeStep: 1)
HJURP_2_Activator: HJURP = ASF1B (Confidence: 1, TimeStep: 1)
HJURP_3_Activator: HJURP = AURKA (Confidence: 1, TimeStep: 1)
HJURP_4_Activator: HJURP = !BTG1 (Confidence: 1, TimeStep: 1)
HJURP_5_Activator: HJURP = CCDC34 (Confidence: 1, TimeStep: 1)
HJURP_1_Inhibitor: HJURP = !APITD1-CORT (Confidence: 1, TimeStep: 1)
HJURP_2_Inhibitor: HJURP = !ASF1B (Confidence: 1, TimeStep: 1)
HJURP_3_Inhibitor: HJURP = !AURKA (Confidence: 1, TimeStep: 1)
HJURP_4_Inhibitor: HJURP = BTG1 (Confidence: 1, TimeStep: 1)
HJURP_5_Inhibitor: HJURP = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HMMR with decay value = 1:

HMMR_1_Activator: HMMR = APITD1-CORT (Confidence: 1, TimeStep: 1)
HMMR_2_Activator: HMMR = ASF1B (Confidence: 1, TimeStep: 1)
HMMR_3_Activator: HMMR = AURKA (Confidence: 1, TimeStep: 1)
HMMR_4_Activator: HMMR = !BTG1 (Confidence: 1, TimeStep: 1)
HMMR_5_Activator: HMMR = CCDC34 (Confidence: 1, TimeStep: 1)
HMMR_1_Inhibitor: HMMR = !APITD1-CORT (Confidence: 1, TimeStep: 1)
HMMR_2_Inhibitor: HMMR = !ASF1B (Confidence: 1, TimeStep: 1)
HMMR_3_Inhibitor: HMMR = !AURKA (Confidence: 1, TimeStep: 1)
HMMR_4_Inhibitor: HMMR = BTG1 (Confidence: 1, TimeStep: 1)
HMMR_5_Inhibitor: HMMR = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HRK with decay value = 1:

HRK_1_Activator: HRK = DPEP1&HRK (Confidence: 1, TimeStep: 1)
HRK_2_Activator: HRK = DENND3&HRK (Confidence: 1, TimeStep: 1)
HRK_3_Activator: HRK = !ARRDC3&HRK (Confidence: 1, TimeStep: 1)
HRK_4_Activator: HRK = DPEP1&!RHOBTB3 (Confidence: 1, TimeStep: 1)
HRK_5_Activator: HRK = IL1B&!RHOBTB3 (Confidence: 1, TimeStep: 1)
HRK_1_Inhibitor: HRK = !DPEP1 (Confidence: 1, TimeStep: 1)
HRK_2_Inhibitor: HRK = !MSH6 (Confidence: 1, TimeStep: 1)
HRK_3_Inhibitor: HRK = !ISG20 (Confidence: 1, TimeStep: 1)
HRK_4_Inhibitor: HRK = !SMAP2 (Confidence: 1, TimeStep: 1)
HRK_5_Inhibitor: HRK = ECT2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for HSP90AB1 with decay value = 1:

HSP90AB1_1_Activator: HSP90AB1 = KIF11 (Confidence: 1, TimeStep: 1)
HSP90AB1_2_Activator: HSP90AB1 = KNL1 (Confidence: 1, TimeStep: 1)
HSP90AB1_3_Activator: HSP90AB1 = DHFR (Confidence: 1, TimeStep: 1)
HSP90AB1_4_Activator: HSP90AB1 = RAD51 (Confidence: 1, TimeStep: 1)
HSP90AB1_5_Activator: HSP90AB1 = !CD53 (Confidence: 1, TimeStep: 1)
HSP90AB1_1_Inhibitor: HSP90AB1 = ASPM&!CRNDE (Confidence: 1, TimeStep: 1)
HSP90AB1_2_Inhibitor: HSP90AB1 = ASPM&LGALS3 (Confidence: 1, TimeStep: 1)

HSP90AB1_3_Inhibitor: HSP90AB1 = ASPM&!TYMS (Confidence: 1, TimeStep: 1)
HSP90AB1_4_Inhibitor: HSP90AB1 = !ANLN&FABP5&!HSP90AB1 (Confidence: 1, TimeStep: 1)
HSP90AB1_5_Inhibitor: HSP90AB1 = !ANLN&HSP90AB1&LGALS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ID2 with decay value = 1:

ID2_1_Activator: ID2 = PRDM1 (Confidence: 1, TimeStep: 1)
ID2_2_Activator: ID2 = CENPV&ID2 (Confidence: 1, TimeStep: 1)
ID2_1_Inhibitor: ID2 = !CCNB2&ECT2 (Confidence: 1, TimeStep: 1)
ID2_2_Inhibitor: ID2 = !CCNB2&!METTL7A (Confidence: 1, TimeStep: 1)
ID2_3_Inhibitor: ID2 = !CDC45&ECT2 (Confidence: 1, TimeStep: 1)
ID2_4_Inhibitor: ID2 = !CDC45&!METTL7A (Confidence: 1, TimeStep: 1)
ID2_5_Inhibitor: ID2 = !CENPA&ECT2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ID3 with decay value = 1:

ID3_1_Activator: ID3 = HRK (Confidence: 1, TimeStep: 1)
ID3_2_Activator: ID3 = EMP1 (Confidence: 1, TimeStep: 1)
ID3_3_Activator: ID3 = MDK (Confidence: 1, TimeStep: 1)
ID3_4_Activator: ID3 = MDM2 (Confidence: 1, TimeStep: 1)
ID3_5_Activator: ID3 = ABHD17B&PTP4A1 (Confidence: 1, TimeStep: 1)
ID3_1_Inhibitor: ID3 = SEMA4D (Confidence: 1, TimeStep: 1)
ID3_2_Inhibitor: ID3 = !B3GNT2&FGR (Confidence: 1, TimeStep: 1)
ID3_3_Inhibitor: ID3 = !DTL&!IL1B (Confidence: 1, TimeStep: 1)
ID3_4_Inhibitor: ID3 = !AKAP12&!TYMS (Confidence: 1, TimeStep: 1)
ID3_5_Inhibitor: ID3 = !DHX9&!IL1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IFNGR1 with decay value = 1:

IFNGR1_1_Activator: IFNGR1 = LILRB2 (Confidence: 1, TimeStep: 1)
IFNGR1_2_Activator: IFNGR1 = !CENPV (Confidence: 1, TimeStep: 1)
IFNGR1_3_Activator: IFNGR1 = IRAK3 (Confidence: 1, TimeStep: 1)
IFNGR1_4_Activator: IFNGR1 = DENND3 (Confidence: 1, TimeStep: 1)
IFNGR1_5_Activator: IFNGR1 = IFNGR1 (Confidence: 1, TimeStep: 1)
IFNGR1_1_Inhibitor: IFNGR1 = ECT2 (Confidence: 1, TimeStep: 1)
IFNGR1_2_Inhibitor: IFNGR1 = FOXM1 (Confidence: 1, TimeStep: 1)
IFNGR1_3_Inhibitor: IFNGR1 = STIL (Confidence: 1, TimeStep: 1)
IFNGR1_4_Inhibitor: IFNGR1 = ATAD2 (Confidence: 1, TimeStep: 1)
IFNGR1_5_Inhibitor: IFNGR1 = BIRC5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IGH with decay value = 1:

IGH_1_Activator: IGH = LGALS3 (Confidence: 1, TimeStep: 1)
IGH_2_Activator: IGH = !CCDC86&IGH (Confidence: 1, TimeStep: 1)
IGH_3_Activator: IGH = IGH&PDE4B (Confidence: 1, TimeStep: 1)
IGH_4_Activator: IGH = !CCDC86&!PRPS2 (Confidence: 1, TimeStep: 1)
IGH_5_Activator: IGH = GBP4&IGLC1 (Confidence: 1, TimeStep: 1)
IGH_1_Inhibitor: IGH = MTHFD2 (Confidence: 1, TimeStep: 1)
IGH_2_Inhibitor: IGH = !NEAT1 (Confidence: 1, TimeStep: 1)
IGH_3_Inhibitor: IGH = !MS4A1 (Confidence: 1, TimeStep: 1)
IGH_4_Inhibitor: IGH = !TXNIP (Confidence: 1, TimeStep: 1)
IGH_5_Inhibitor: IGH = CKAP2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IGLC1 with decay value = 1:

IGLC1_1_Activator: IGLC1 = LGALS3 (Confidence: 1, TimeStep: 1)

IGLC1_2_Activator: IGLC1 = !CCDC86&IGH (Confidence: 1, TimeStep: 1)

IGLC1_3_Activator: IGLC1 = !CCDC86&IGLC1 (Confidence: 1, TimeStep: 1)

IGLC1_4_Activator: IGLC1 = IGH&PDE4B (Confidence: 1, TimeStep: 1)

IGLC1_5_Activator: IGLC1 = !CCDC86&!PRPS2 (Confidence: 1, TimeStep: 1)

IGLC1_1_Inhibitor: IGLC1 = !MS4A1 (Confidence: 1, TimeStep: 1)

IGLC1_2_Inhibitor: IGLC1 = !TXNIP (Confidence: 1, TimeStep: 1)

IGLC1_3_Inhibitor: IGLC1 = CKAP2 (Confidence: 1, TimeStep: 1)

IGLC1_4_Inhibitor: IGLC1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

IGLC1_5_Inhibitor: IGLC1 = ASF1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IGLL1 with decay value = 1:

IGLL1_1_Activator: IGLL1 = IGLL1 (Confidence: 1, TimeStep: 1)

IGLL1_2_Activator: IGLL1 = AKAP12 (Confidence: 1, TimeStep: 1)

IGLL1_3_Activator: IGLL1 = !IL27RA (Confidence: 1, TimeStep: 1)

IGLL1_4_Activator: IGLL1 = BCAT1 (Confidence: 1, TimeStep: 1)

IGLL1_5_Activator: IGLL1 = !SLA (Confidence: 1, TimeStep: 1)

IGLL1_1_Inhibitor: IGLL1 = !IGLL1 (Confidence: 1, TimeStep: 1)

IGLL1_2_Inhibitor: IGLL1 = LOC100130872 (Confidence: 1, TimeStep: 1)

IGLL1_3_Inhibitor: IGLL1 = !BCAT1&!BMF (Confidence: 1, TimeStep: 1)

IGLL1_4_Inhibitor: IGLL1 = !AKAP12&!C5orf24 (Confidence: 1, TimeStep: 1)

IGLL1_5_Inhibitor: IGLL1 = !AKAP12&PPP1R16B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IL18R1 with decay value = 1:

IL18R1_1_Activator: IL18R1 = IL18R1 (Confidence: 1, TimeStep: 1)

IL18R1_2_Activator: IL18R1 = IL18RAP (Confidence: 1, TimeStep: 1)

IL18R1_3_Activator: IL18R1 = RAB31 (Confidence: 1, TimeStep: 1)

IL18R1_4_Activator: IL18R1 = ID2&PPP1R16B (Confidence: 1, TimeStep: 1)

IL18R1_5_Activator: IL18R1 = ID2&!PRPS2 (Confidence: 1, TimeStep: 1)

IL18R1_1_Inhibitor: IL18R1 = CENPV (Confidence: 1, TimeStep: 1)

IL18R1_2_Inhibitor: IL18R1 = !IRAK3 (Confidence: 1, TimeStep: 1)

IL18R1_3_Inhibitor: IL18R1 = !TMEM2 (Confidence: 1, TimeStep: 1)

IL18R1_4_Inhibitor: IL18R1 = ANP32E (Confidence: 1, TimeStep: 1)

IL18R1_5_Inhibitor: IL18R1 = CEP55 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IL18RAP with decay value = 1:

IL18RAP_1_Activator: IL18RAP = IL18RAP (Confidence: 1, TimeStep: 1)

IL18RAP_2_Activator: IL18RAP = ID2&PPP1R16B (Confidence: 1, TimeStep: 1)

IL18RAP_3_Activator: IL18RAP = ID2&!PRPS2 (Confidence: 1, TimeStep: 1)

IL18RAP_4_Activator: IL18RAP = !DHX9&IL18R1 (Confidence: 1, TimeStep: 1)

IL18RAP_5_Activator: IL18RAP = !DHX9&!LEF1 (Confidence: 1, TimeStep: 1)

IL18RAP_1_Inhibitor: IL18RAP = CENPV (Confidence: 1, TimeStep: 1)

IL18RAP_2_Inhibitor: IL18RAP = !IRAK3 (Confidence: 1, TimeStep: 1)

IL18RAP_3_Inhibitor: IL18RAP = !TMEM2 (Confidence: 1, TimeStep: 1)

IL18RAP_4_Inhibitor: IL18RAP = ANP32E (Confidence: 1, TimeStep: 1)

IL18RAP_5_Inhibitor: IL18RAP = CEP55 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IL1B with decay value = 1:

IL1B_1_Activator: IL1B = GBP4&!HBG1 (Confidence: 1, TimeStep: 1)

IL1B_2_Activator: IL1B = DENND3&!SLA (Confidence: 1, TimeStep: 1)

IL1B_3_Activator: IL1B = EMP1&GBP4 (Confidence: 1, TimeStep: 1)

IL1B_4_Activator: IL1B = EMP1&!SQLE (Confidence: 1, TimeStep: 1)

IL1B_5_Activator: IL1B = !HBG1&!KNL1 (Confidence: 1, TimeStep: 1)

IL1B_1_Inhibitor: IL1B = !IL1B (Confidence: 1, TimeStep: 1)

IL1B_2_Inhibitor: IL1B = !DENND3 (Confidence: 1, TimeStep: 1)

IL1B_3_Inhibitor: IL1B = !GBP4 (Confidence: 1, TimeStep: 1)

IL1B_4_Inhibitor: IL1B = TNFSF8 (Confidence: 1, TimeStep: 1)

IL1B_5_Inhibitor: IL1B = ECT2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IL27RA with decay value = 1:

IL27RA_1_Activator: IL27RA = IL27RA (Confidence: 1, TimeStep: 1)

IL27RA_2_Activator: IL27RA = !IGLL1 (Confidence: 1, TimeStep: 1)

IL27RA_3_Activator: IL27RA = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

IL27RA_4_Activator: IL27RA = GIMAP7&SLA (Confidence: 1, TimeStep: 1)

IL27RA_5_Activator: IL27RA = NEAT1&!SIK1 (Confidence: 1, TimeStep: 1)

IL27RA_1_Inhibitor: IL27RA = !ZFP36L2 (Confidence: 1, TimeStep: 1)

IL27RA_2_Inhibitor: IL27RA = !IL27RA&RHOBTB3 (Confidence: 1, TimeStep: 1)

IL27RA_3_Inhibitor: IL27RA = CCDC86&!IL27RA (Confidence: 1, TimeStep: 1)

IL27RA_4_Inhibitor: IL27RA = !CDK6&!IL27RA (Confidence: 1, TimeStep: 1)

IL27RA_5_Inhibitor: IL27RA = !GIMAP4&!IL27RA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IL6ST with decay value = 1:

IL6ST_1_Activator: IL6ST = MTSS1 (Confidence: 1, TimeStep: 1)

IL6ST_2_Activator: IL6ST = ITGAM (Confidence: 1, TimeStep: 1)

IL6ST_3_Activator: IL6ST = TBXA2R (Confidence: 1, TimeStep: 1)

IL6ST_4_Activator: IL6ST = FGD2 (Confidence: 1, TimeStep: 1)

IL6ST_5_Activator: IL6ST = CCR1 (Confidence: 1, TimeStep: 1)

IL6ST_1_Inhibitor: IL6ST = BCL10 (Confidence: 1, TimeStep: 1)

IL6ST_2_Inhibitor: IL6ST = !ATAD2&!MS4A1 (Confidence: 1, TimeStep: 1)

IL6ST_3_Inhibitor: IL6ST = !ATAD2&!SMAP2 (Confidence: 1, TimeStep: 1)

IL6ST_4_Inhibitor: IL6ST = !ATAD2&ECT2 (Confidence: 1, TimeStep: 1)

IL6ST_5_Inhibitor: IL6ST = !ATAD2&!METTL7A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IQGAP3 with decay value = 1:

IQGAP3_1_Activator: IQGAP3 = CENPH (Confidence: 1, TimeStep: 1)

IQGAP3_2_Activator: IQGAP3 = APITD1-CORT (Confidence: 1, TimeStep: 1)

IQGAP3_3_Activator: IQGAP3 = ASF1B (Confidence: 1, TimeStep: 1)

IQGAP3_4_Activator: IQGAP3 = AURKA (Confidence: 1, TimeStep: 1)

IQGAP3_5_Activator: IQGAP3 = !BTG1 (Confidence: 1, TimeStep: 1)

IQGAP3_1_Inhibitor: IQGAP3 = !CENPH (Confidence: 1, TimeStep: 1)

IQGAP3_2_Inhibitor: IQGAP3 = !CDK1 (Confidence: 1, TimeStep: 1)

IQGAP3_3_Inhibitor: IQGAP3 = !HMMR (Confidence: 1, TimeStep: 1)

IQGAP3_4_Inhibitor: IQGAP3 = !KIF14 (Confidence: 1, TimeStep: 1)

IQGAP3_5_Inhibitor: IQGAP3 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for IRAK3 with decay value = 1:

IRAK3_1_Activator: IRAK3 = IRAK3 (Confidence: 1, TimeStep: 1)

IRAK3_2_Activator: IRAK3 = MTSS1 (Confidence: 1, TimeStep: 1)

IRAK3_3_Activator: IRAK3 = PDE4B (Confidence: 1, TimeStep: 1)
 IRAK3_4_Activator: IRAK3 = SERPINB9 (Confidence: 1, TimeStep: 1)
 IRAK3_5_Activator: IRAK3 = !CRNDE (Confidence: 1, TimeStep: 1)
 IRAK3_1_Inhibitor: IRAK3 = !TMEM2 (Confidence: 1, TimeStep: 1)
 IRAK3_2_Inhibitor: IRAK3 = ECT2 (Confidence: 1, TimeStep: 1)
 IRAK3_3_Inhibitor: IRAK3 = FOXM1 (Confidence: 1, TimeStep: 1)
 IRAK3_4_Inhibitor: IRAK3 = STIL (Confidence: 1, TimeStep: 1)
 IRAK3_5_Inhibitor: IRAK3 = ATAD2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ISG20 with decay value = 1:

ISG20_1_Activator: ISG20 = !ECT2 (Confidence: 1, TimeStep: 1)
 ISG20_2_Activator: ISG20 = SMAP2 (Confidence: 1, TimeStep: 1)
 ISG20_3_Activator: ISG20 = !CENPK (Confidence: 1, TimeStep: 1)
 ISG20_4_Activator: ISG20 = ISG20 (Confidence: 1, TimeStep: 1)
 ISG20_5_Activator: ISG20 = GBP4 (Confidence: 1, TimeStep: 1)
 ISG20_1_Inhibitor: ISG20 = !APITD1-CORT&ATAD2 (Confidence: 1, TimeStep: 1)
 ISG20_2_Inhibitor: ISG20 = !APITD1-CORT&BIRC5 (Confidence: 1, TimeStep: 1)
 ISG20_3_Inhibitor: ISG20 = !APITD1-CORT&BUB1 (Confidence: 1, TimeStep: 1)
 ISG20_4_Inhibitor: ISG20 = !APITD1-CORT&CCNA2 (Confidence: 1, TimeStep: 1)
 ISG20_5_Inhibitor: ISG20 = !APITD1-CORT&CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ITGAM with decay value = 1:

ITGAM_1_Activator: ITGAM = ITGAM (Confidence: 1, TimeStep: 1)
 ITGAM_2_Activator: ITGAM = F13A1 (Confidence: 1, TimeStep: 1)
 ITGAM_3_Activator: ITGAM = RAB31 (Confidence: 1, TimeStep: 1)
 ITGAM_4_Activator: ITGAM = BMF&LOC285097 (Confidence: 1, TimeStep: 1)
 ITGAM_5_Activator: ITGAM = !CCNL1&!PAICS (Confidence: 1, TimeStep: 1)
 ITGAM_1_Inhibitor: ITGAM = !SERPINB9 (Confidence: 1, TimeStep: 1)
 ITGAM_2_Inhibitor: ITGAM = CENPV (Confidence: 1, TimeStep: 1)
 ITGAM_3_Inhibitor: ITGAM = !IRAK3 (Confidence: 1, TimeStep: 1)
 ITGAM_4_Inhibitor: ITGAM = !LILRB2 (Confidence: 1, TimeStep: 1)
 ITGAM_5_Inhibitor: ITGAM = !RNASET2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ITGB2-AS1 with decay value = 1:

ITGB2-AS1_1_Activator: ITGB2-AS1 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_2_Activator: ITGB2-AS1 = LOC100130872 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_3_Activator: ITGB2-AS1 = LILRA1 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_4_Activator: ITGB2-AS1 = !AKAP12&HBB (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_5_Activator: ITGB2-AS1 = !AKAP12&FGR (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_1_Inhibitor: ITGB2-AS1 = !HBB (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_2_Inhibitor: ITGB2-AS1 = MSH6 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_3_Inhibitor: ITGB2-AS1 = AKAP12 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_4_Inhibitor: ITGB2-AS1 = WFS1 (Confidence: 1, TimeStep: 1)
 ITGB2-AS1_5_Inhibitor: ITGB2-AS1 = !SLA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ITPKB with decay value = 1:

ITPKB_1_Activator: ITPKB = LILRA1 (Confidence: 1, TimeStep: 1)
 ITPKB_2_Activator: ITPKB = CELF2&IGLC1 (Confidence: 1, TimeStep: 1)
 ITPKB_3_Activator: ITPKB = CELF2&IGH (Confidence: 1, TimeStep: 1)

ITPKB_4_Activator: ITPKB = IGLC1&SLA (Confidence: 1, TimeStep: 1)

ITPKB_5_Activator: ITPKB = ITPKB&MS4A7 (Confidence: 1, TimeStep: 1)

ITPKB_1_Inhibitor: ITPKB = CDK1 (Confidence: 1, TimeStep: 1)

ITPKB_2_Inhibitor: ITPKB = CKAP2L (Confidence: 1, TimeStep: 1)

ITPKB_3_Inhibitor: ITPKB = HMMR (Confidence: 1, TimeStep: 1)

ITPKB_4_Inhibitor: ITPKB = KIF14 (Confidence: 1, TimeStep: 1)

ITPKB_5_Inhibitor: ITPKB = KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KCNK12 with decay value = 1:

KCNK12_1_Activator: KCNK12 = !EGR1&MYRIP (Confidence: 1, TimeStep: 1)

KCNK12_2_Activator: KCNK12 = !EGR1&MDM2 (Confidence: 1, TimeStep: 1)

KCNK12_3_Activator: KCNK12 = FKBP5&!SLA (Confidence: 1, TimeStep: 1)

KCNK12_4_Activator: KCNK12 = AKAP12&LOC728175 (Confidence: 1, TimeStep: 1)

KCNK12_5_Activator: KCNK12 = !EGR1&LOC728175 (Confidence: 1, TimeStep: 1)

KCNK12_1_Inhibitor: KCNK12 = !FKBP5&!KCNK12 (Confidence: 1, TimeStep: 1)

KCNK12_2_Inhibitor: KCNK12 = !FKBP5&!MDM2 (Confidence: 1, TimeStep: 1)

KCNK12_3_Inhibitor: KCNK12 = !KCNK12 (Confidence: 1, TimeStep: 2)

KCNK12_4_Inhibitor: KCNK12 = !STAB1 (Confidence: 1, TimeStep: 2)

KCNK12_5_Inhibitor: KCNK12 = !TUBA4A (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for KIAA0101 with decay value = 1:

KIAA0101_1_Activator: KIAA0101 = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIAA0101_2_Activator: KIAA0101 = ASF1B (Confidence: 1, TimeStep: 1)

KIAA0101_3_Activator: KIAA0101 = AURKA (Confidence: 1, TimeStep: 1)

KIAA0101_4_Activator: KIAA0101 = !BTG1 (Confidence: 1, TimeStep: 1)

KIAA0101_5_Activator: KIAA0101 = CCDC34 (Confidence: 1, TimeStep: 1)

KIAA0101_1_Inhibitor: KIAA0101 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIAA0101_2_Inhibitor: KIAA0101 = !ASF1B (Confidence: 1, TimeStep: 1)

KIAA0101_3_Inhibitor: KIAA0101 = !AURKA (Confidence: 1, TimeStep: 1)

KIAA0101_4_Inhibitor: KIAA0101 = BTG1 (Confidence: 1, TimeStep: 1)

KIAA0101_5_Inhibitor: KIAA0101 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF11 with decay value = 1:

KIF11_1_Activator: KIF11 = CENPH (Confidence: 1, TimeStep: 1)

KIF11_2_Activator: KIF11 = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF11_3_Activator: KIF11 = ASF1B (Confidence: 1, TimeStep: 1)

KIF11_4_Activator: KIF11 = AURKA (Confidence: 1, TimeStep: 1)

KIF11_5_Activator: KIF11 = !BTG1 (Confidence: 1, TimeStep: 1)

KIF11_1_Inhibitor: KIF11 = !CENPF (Confidence: 1, TimeStep: 1)

KIF11_2_Inhibitor: KIF11 = !NEK2 (Confidence: 1, TimeStep: 1)

KIF11_3_Inhibitor: KIF11 = !FH (Confidence: 1, TimeStep: 1)

KIF11_4_Inhibitor: KIF11 = !C4orf46 (Confidence: 1, TimeStep: 1)

KIF11_5_Inhibitor: KIF11 = !HELLS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF14 with decay value = 1:

KIF14_1_Activator: KIF14 = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF14_2_Activator: KIF14 = ASF1B (Confidence: 1, TimeStep: 1)

KIF14_3_Activator: KIF14 = AURKA (Confidence: 1, TimeStep: 1)

KIF14_4_Activator: KIF14 = !BTG1 (Confidence: 1, TimeStep: 1)

KIF14_5_Activator: KIF14 = CCDC34 (Confidence: 1, TimeStep: 1)

KIF14_1_Inhibitor: KIF14 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF14_2_Inhibitor: KIF14 = !ASF1B (Confidence: 1, TimeStep: 1)

KIF14_3_Inhibitor: KIF14 = !AURKA (Confidence: 1, TimeStep: 1)

KIF14_4_Inhibitor: KIF14 = BTG1 (Confidence: 1, TimeStep: 1)

KIF14_5_Inhibitor: KIF14 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF15 with decay value = 1:

KIF15_1_Activator: KIF15 = CENPH (Confidence: 1, TimeStep: 1)

KIF15_2_Activator: KIF15 = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF15_3_Activator: KIF15 = ASF1B (Confidence: 1, TimeStep: 1)

KIF15_4_Activator: KIF15 = AURKA (Confidence: 1, TimeStep: 1)

KIF15_5_Activator: KIF15 = !BTG1 (Confidence: 1, TimeStep: 1)

KIF15_1_Inhibitor: KIF15 = !CENPH (Confidence: 1, TimeStep: 1)

KIF15_2_Inhibitor: KIF15 = !CDK1 (Confidence: 1, TimeStep: 1)

KIF15_3_Inhibitor: KIF15 = !HMMR (Confidence: 1, TimeStep: 1)

KIF15_4_Inhibitor: KIF15 = !KIF14 (Confidence: 1, TimeStep: 1)

KIF15_5_Inhibitor: KIF15 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF18A with decay value = 1:

KIF18A_1_Activator: KIF18A = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF18A_2_Activator: KIF18A = ASF1B (Confidence: 1, TimeStep: 1)

KIF18A_3_Activator: KIF18A = AURKA (Confidence: 1, TimeStep: 1)

KIF18A_4_Activator: KIF18A = !BTG1 (Confidence: 1, TimeStep: 1)

KIF18A_5_Activator: KIF18A = CCDC34 (Confidence: 1, TimeStep: 1)

KIF18A_1_Inhibitor: KIF18A = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF18A_2_Inhibitor: KIF18A = !ASF1B (Confidence: 1, TimeStep: 1)

KIF18A_3_Inhibitor: KIF18A = !AURKA (Confidence: 1, TimeStep: 1)

KIF18A_4_Inhibitor: KIF18A = BTG1 (Confidence: 1, TimeStep: 1)

KIF18A_5_Inhibitor: KIF18A = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF18B with decay value = 1:

KIF18B_1_Activator: KIF18B = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF18B_2_Activator: KIF18B = ASF1B (Confidence: 1, TimeStep: 1)

KIF18B_3_Activator: KIF18B = AURKA (Confidence: 1, TimeStep: 1)

KIF18B_4_Activator: KIF18B = !BTG1 (Confidence: 1, TimeStep: 1)

KIF18B_5_Activator: KIF18B = CCDC34 (Confidence: 1, TimeStep: 1)

KIF18B_1_Inhibitor: KIF18B = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF18B_2_Inhibitor: KIF18B = !ASF1B (Confidence: 1, TimeStep: 1)

KIF18B_3_Inhibitor: KIF18B = !AURKA (Confidence: 1, TimeStep: 1)

KIF18B_4_Inhibitor: KIF18B = BTG1 (Confidence: 1, TimeStep: 1)

KIF18B_5_Inhibitor: KIF18B = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF20A with decay value = 1:

KIF20A_1_Activator: KIF20A = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF20A_2_Activator: KIF20A = ASF1B (Confidence: 1, TimeStep: 1)

KIF20A_3_Activator: KIF20A = AURKA (Confidence: 1, TimeStep: 1)

KIF20A_4_Activator: KIF20A = !BTG1 (Confidence: 1, TimeStep: 1)

KIF20A_5_Activator: KIF20A = CCDC34 (Confidence: 1, TimeStep: 1)

KIF20A_1_Inhibitor: KIF20A = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF20A_2_Inhibitor: KIF20A = !ASF1B (Confidence: 1, TimeStep: 1)

KIF20A_3_Inhibitor: KIF20A = !AURKA (Confidence: 1, TimeStep: 1)

KIF20A_4_Inhibitor: KIF20A = BTG1 (Confidence: 1, TimeStep: 1)

KIF20A_5_Inhibitor: KIF20A = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF23 with decay value = 1:

KIF23_1_Activator: KIF23 = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF23_2_Activator: KIF23 = ASF1B (Confidence: 1, TimeStep: 1)

KIF23_3_Activator: KIF23 = AURKA (Confidence: 1, TimeStep: 1)

KIF23_4_Activator: KIF23 = !BTG1 (Confidence: 1, TimeStep: 1)

KIF23_5_Activator: KIF23 = CCDC34 (Confidence: 1, TimeStep: 1)

KIF23_1_Inhibitor: KIF23 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF23_2_Inhibitor: KIF23 = !ASF1B (Confidence: 1, TimeStep: 1)

KIF23_3_Inhibitor: KIF23 = !AURKA (Confidence: 1, TimeStep: 1)

KIF23_4_Inhibitor: KIF23 = BTG1 (Confidence: 1, TimeStep: 1)

KIF23_5_Inhibitor: KIF23 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF26A with decay value = 1:

KIF26A_1_Activator: KIF26A = TENM4 (Confidence: 1, TimeStep: 1)

KIF26A_2_Activator: KIF26A = !ZFP36L2 (Confidence: 1, TimeStep: 1)

KIF26A_3_Activator: KIF26A = AKAP12&TRIB1 (Confidence: 1, TimeStep: 1)

KIF26A_4_Activator: KIF26A = FABP5&IRAK3 (Confidence: 1, TimeStep: 1)

KIF26A_5_Activator: KIF26A = DPEP1&TRIB1 (Confidence: 1, TimeStep: 1)

KIF26A_1_Inhibitor: KIF26A = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

KIF26A_2_Inhibitor: KIF26A = !RAG1 (Confidence: 1, TimeStep: 1)

KIF26A_3_Inhibitor: KIF26A = LOC100130872 (Confidence: 1, TimeStep: 1)

KIF26A_4_Inhibitor: KIF26A = !METTL7A (Confidence: 1, TimeStep: 1)

KIF26A_5_Inhibitor: KIF26A = SEMA4D (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF2C with decay value = 1:

KIF2C_1_Activator: KIF2C = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF2C_2_Activator: KIF2C = ASF1B (Confidence: 1, TimeStep: 1)

KIF2C_3_Activator: KIF2C = AURKA (Confidence: 1, TimeStep: 1)

KIF2C_4_Activator: KIF2C = !BTG1 (Confidence: 1, TimeStep: 1)

KIF2C_5_Activator: KIF2C = CCDC34 (Confidence: 1, TimeStep: 1)

KIF2C_1_Inhibitor: KIF2C = !APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF2C_2_Inhibitor: KIF2C = !ASF1B (Confidence: 1, TimeStep: 1)

KIF2C_3_Inhibitor: KIF2C = !AURKA (Confidence: 1, TimeStep: 1)

KIF2C_4_Inhibitor: KIF2C = BTG1 (Confidence: 1, TimeStep: 1)

KIF2C_5_Inhibitor: KIF2C = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KIF4A with decay value = 1:

KIF4A_1_Activator: KIF4A = CENPH (Confidence: 1, TimeStep: 1)

KIF4A_2_Activator: KIF4A = APITD1-CORT (Confidence: 1, TimeStep: 1)

KIF4A_3_Activator: KIF4A = ASF1B (Confidence: 1, TimeStep: 1)

KIF4A_4_Activator: KIF4A = AURKA (Confidence: 1, TimeStep: 1)

KIF4A_5_Activator: KIF4A = !BTG1 (Confidence: 1, TimeStep: 1)

KIF4A_1_Inhibitor: KIF4A = !CENPH (Confidence: 1, TimeStep: 1)

KIF4A_2_Inhibitor: KIF4A = !CDK1 (Confidence: 1, TimeStep: 1)

KIF4A_3_Inhibitor: KIF4A = !HMMR (Confidence: 1, TimeStep: 1)

KIF4A_4_Inhibitor: KIF4A = !KIF14 (Confidence: 1, TimeStep: 1)

KIF4A_5_Inhibitor: KIF4A = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KLF9 with decay value = 1:

KLF9_1_Activator: KLF9 = KLF9 (Confidence: 1, TimeStep: 1)

KLF9_2_Activator: KLF9 = LGALS3 (Confidence: 1, TimeStep: 1)

KLF9_3_Activator: KLF9 = RAB31 (Confidence: 1, TimeStep: 1)

KLF9_4_Activator: KLF9 = !GGH&RBMS3 (Confidence: 1, TimeStep: 1)

KLF9_5_Activator: KLF9 = !HELLS&RBMS3 (Confidence: 1, TimeStep: 1)

KLF9_1_Inhibitor: KLF9 = !METTL7A (Confidence: 1, TimeStep: 1)

KLF9_2_Inhibitor: KLF9 = BCL10 (Confidence: 1, TimeStep: 1)

KLF9_3_Inhibitor: KLF9 = UBE2C (Confidence: 1, TimeStep: 1)

KLF9_4_Inhibitor: KLF9 = !KLF9&!RBMS3 (Confidence: 1, TimeStep: 1)

KLF9_5_Inhibitor: KLF9 = !DDIT4&!KLF9 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for KNL1 with decay value = 1:

KNL1_1_Activator: KNL1 = CCNB2 (Confidence: 1, TimeStep: 1)

KNL1_2_Activator: KNL1 = CDC45 (Confidence: 1, TimeStep: 1)

KNL1_3_Activator: KNL1 = CENPA (Confidence: 1, TimeStep: 1)

KNL1_4_Activator: KNL1 = CENPF (Confidence: 1, TimeStep: 1)

KNL1_5_Activator: KNL1 = DLGAP5 (Confidence: 1, TimeStep: 1)

KNL1_1_Inhibitor: KNL1 = !KNL1 (Confidence: 1, TimeStep: 1)

KNL1_2_Inhibitor: KNL1 = !ZNF367 (Confidence: 1, TimeStep: 1)

KNL1_3_Inhibitor: KNL1 = !E2F8 (Confidence: 1, TimeStep: 1)

KNL1_4_Inhibitor: KNL1 = !GINS2 (Confidence: 1, TimeStep: 1)

KNL1_5_Inhibitor: KNL1 = !DTL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LEF1 with decay value = 1:

LEF1_1_Activator: LEF1 = !CD53 (Confidence: 1, TimeStep: 1)

LEF1_2_Activator: LEF1 = CDC20 (Confidence: 1, TimeStep: 1)

LEF1_3_Activator: LEF1 = CENPK (Confidence: 1, TimeStep: 1)

LEF1_4_Activator: LEF1 = ZWINT (Confidence: 1, TimeStep: 1)

LEF1_5_Activator: LEF1 = ANLN (Confidence: 1, TimeStep: 1)

LEF1_1_Inhibitor: LEF1 = !ANLN&!CDK6 (Confidence: 1, TimeStep: 1)

LEF1_2_Inhibitor: LEF1 = !ANLN&!LEF1 (Confidence: 1, TimeStep: 1)

LEF1_3_Inhibitor: LEF1 = !BRIP1&!CDK6 (Confidence: 1, TimeStep: 1)

LEF1_4_Inhibitor: LEF1 = !BRIP1&!LEF1 (Confidence: 1, TimeStep: 1)

LEF1_5_Inhibitor: LEF1 = !BUB1B&!CDK6 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LGALS3 with decay value = 1:

LGALS3_1_Activator: LGALS3 = LGALS3 (Confidence: 1, TimeStep: 1)

LGALS3_2_Activator: LGALS3 = CDC42EP3&PPP1R16B (Confidence: 1, TimeStep: 1)

LGALS3_3_Activator: LGALS3 = CDC42EP3&!PRPS2 (Confidence: 1, TimeStep: 1)

LGALS3_4_Activator: LGALS3 = !CRNDE&HBG1 (Confidence: 1, TimeStep: 1)

LGALS3_5_Activator: LGALS3 = HBB&!PRPS2 (Confidence: 1, TimeStep: 1)

LGALS3_1_Inhibitor: LGALS3 = !LGALS3 (Confidence: 1, TimeStep: 1)

LGALS3_2_Inhibitor: LGALS3 = !PPP1R16B (Confidence: 1, TimeStep: 1)

LGALS3_3_Inhibitor: LGALS3 = PRPS2 (Confidence: 1, TimeStep: 1)

LGALS3_4_Inhibitor: LGALS3 = !CDC42EP3 (Confidence: 1, TimeStep: 1)

LGALS3_5_Inhibitor: LGALS3 = !HBG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LILRA1 with decay value = 1:

LILRA1_1_Activator: LILRA1 = LILRA1 (Confidence: 1, TimeStep: 1)

LILRA1_2_Activator: LILRA1 = FCER1G&KLF9 (Confidence: 1, TimeStep: 1)

LILRA1_3_Activator: LILRA1 = !ARPP21&FCER1G (Confidence: 1, TimeStep: 1)

LILRA1_4_Activator: LILRA1 = FCER1G&ZBTB16 (Confidence: 1, TimeStep: 1)

LILRA1_5_Activator: LILRA1 = FCGR3B&KLF9 (Confidence: 1, TimeStep: 1)

LILRA1_1_Inhibitor: LILRA1 = !KLF9 (Confidence: 1, TimeStep: 1)

LILRA1_2_Inhibitor: LILRA1 = ASPM (Confidence: 1, TimeStep: 1)

LILRA1_3_Inhibitor: LILRA1 = !LILRB2 (Confidence: 1, TimeStep: 1)

LILRA1_4_Inhibitor: LILRA1 = !RNASET2 (Confidence: 1, TimeStep: 1)

LILRA1_5_Inhibitor: LILRA1 = KIF11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LILRB2 with decay value = 1:

LILRB2_1_Activator: LILRB2 = ITGAM (Confidence: 1, TimeStep: 1)

LILRB2_2_Activator: LILRB2 = TBXA2R (Confidence: 1, TimeStep: 1)

LILRB2_3_Activator: LILRB2 = MIR4683 (Confidence: 1, TimeStep: 1)

LILRB2_4_Activator: LILRB2 = CCR1 (Confidence: 1, TimeStep: 1)

LILRB2_5_Activator: LILRB2 = RPS6KA2 (Confidence: 1, TimeStep: 1)

LILRB2_1_Inhibitor: LILRB2 = ECT2 (Confidence: 1, TimeStep: 1)

LILRB2_2_Inhibitor: LILRB2 = FOXM1 (Confidence: 1, TimeStep: 1)

LILRB2_3_Inhibitor: LILRB2 = STIL (Confidence: 1, TimeStep: 1)

LILRB2_4_Inhibitor: LILRB2 = ATAD2 (Confidence: 1, TimeStep: 1)

LILRB2_5_Inhibitor: LILRB2 = BIRC5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LOC100130872 with decay value = 1:

LOC100130872_1_Activator: LOC100130872 = LOC100130872 (Confidence: 1, TimeStep: 1)

LOC100130872_2_Activator: LOC100130872 = !BCAT1&!MSH6 (Confidence: 1, TimeStep: 1)

LOC100130872_3_Activator: LOC100130872 = !C5orf24&FGR (Confidence: 1, TimeStep: 1)

LOC100130872_4_Activator: LOC100130872 = !C5orf24&!HRK (Confidence: 1, TimeStep: 1)

LOC100130872_5_Activator: LOC100130872 = !C5orf24&PPP1R16B (Confidence: 1, TimeStep: 1)

LOC100130872_1_Inhibitor: LOC100130872 = !HBG1 (Confidence: 1, TimeStep: 1)

LOC100130872_2_Inhibitor: LOC100130872 = !HBB (Confidence: 1, TimeStep: 1)

LOC100130872_3_Inhibitor: LOC100130872 = !SLA (Confidence: 1, TimeStep: 1)

LOC100130872_4_Inhibitor: LOC100130872 = HRK (Confidence: 1, TimeStep: 1)

LOC100130872_5_Inhibitor: LOC100130872 = !S100A8 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LOC100505650 with decay value = 1:

LOC100505650_1_Activator: LOC100505650 = LOC100505650 (Confidence: 1, TimeStep: 1)

LOC100505650_2_Activator: LOC100505650 = DEFA1&!ID2 (Confidence: 1, TimeStep: 1)

LOC100505650_3_Activator: LOC100505650 = !C5orf24&ECT2 (Confidence: 1, TimeStep: 1)

LOC100505650_4_Activator: LOC100505650 = !C5orf24&!ID2 (Confidence: 1, TimeStep: 1)

LOC100505650_5_Activator: LOC100505650 = !C5orf24&!METTL7A (Confidence: 1, TimeStep: 1)

LOC100505650_1_Inhibitor: LOC100505650 = DENND3 (Confidence: 1, TimeStep: 1)

LOC100505650_2_Inhibitor: LOC100505650 = TARSL2 (Confidence: 1, TimeStep: 1)

LOC100505650_3_Inhibitor: LOC100505650 = P2RY14 (Confidence: 1, TimeStep: 1)

LOC100505650_4_Inhibitor: LOC100505650 = SCML4 (Confidence: 1, TimeStep: 1)

LOC100505650_5_Inhibitor: LOC100505650 = MS4A4A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LOC100996643 with decay value = 1:

LOC100996643_1_Activator: LOC100996643 = !TXNIP (Confidence: 1, TimeStep: 1)

LOC100996643_2_Activator: LOC100996643 = CENPH (Confidence: 1, TimeStep: 1)

LOC100996643_3_Activator: LOC100996643 = CKAP2 (Confidence: 1, TimeStep: 1)

LOC100996643_4_Activator: LOC100996643 = APITD1-CORT (Confidence: 1, TimeStep: 1)

LOC100996643_5_Activator: LOC100996643 = ASF1B (Confidence: 1, TimeStep: 1)

LOC100996643_1_Inhibitor: LOC100996643 = !LOC100996643 (Confidence: 1, TimeStep: 1)

LOC100996643_2_Inhibitor: LOC100996643 = !BYSL (Confidence: 1, TimeStep: 1)

LOC100996643_3_Inhibitor: LOC100996643 = FGD2 (Confidence: 1, TimeStep: 1)

LOC100996643_4_Inhibitor: LOC100996643 = !FABP5 (Confidence: 1, TimeStep: 1)

LOC100996643_5_Inhibitor: LOC100996643 = SNX29P2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LOC285097 with decay value = 1:

LOC285097_1_Activator: LOC285097 = LOC285097&!PPIF (Confidence: 1, TimeStep: 1)

LOC285097_2_Activator: LOC285097 = LOC285097&!SEMA4D (Confidence: 1, TimeStep: 1)

LOC285097_3_Activator: LOC285097 = AKAP12&LOC285097 (Confidence: 1, TimeStep: 1)

LOC285097_4_Activator: LOC285097 = ISG20&LOC285097 (Confidence: 1, TimeStep: 1)

LOC285097_5_Activator: LOC285097 = B3GNT2&LOC285097 (Confidence: 1, TimeStep: 1)

LOC285097_1_Inhibitor: LOC285097 = SEMA4D (Confidence: 1, TimeStep: 1)

LOC285097_2_Inhibitor: LOC285097 = AKAP12&!LOC285097 (Confidence: 1, TimeStep: 1)

LOC285097_3_Inhibitor: LOC285097 = KIF26A&!LOC285097 (Confidence: 1, TimeStep: 1)

LOC285097_4_Inhibitor: LOC285097 = MSH6&PPIF (Confidence: 1, TimeStep: 1)

LOC285097_5_Inhibitor: LOC285097 = AKAP12&PPIF (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LOC728175 with decay value = 1:

LOC728175_1_Activator: LOC728175 = BCAT1&LOC728175 (Confidence: 1, TimeStep: 1)

LOC728175_2_Activator: LOC728175 = BCAT1&MYRIP (Confidence: 1, TimeStep: 1)

LOC728175_3_Activator: LOC728175 = !CELF2&LOC728175 (Confidence: 1, TimeStep: 1)

LOC728175_4_Activator: LOC728175 = ELL2&LOC728175 (Confidence: 1, TimeStep: 1)

LOC728175_5_Activator: LOC728175 = MYRIP&PTTG1 (Confidence: 1, TimeStep: 1)

LOC728175_1_Inhibitor: LOC728175 = !LOC728175 (Confidence: 1, TimeStep: 1)

LOC728175_2_Inhibitor: LOC728175 = !MYRIP (Confidence: 1, TimeStep: 1)

LOC728175_3_Inhibitor: LOC728175 = !BCAT1 (Confidence: 1, TimeStep: 1)

LOC728175_4_Inhibitor: LOC728175 = BIRC3 (Confidence: 1, TimeStep: 1)

LOC728175_5_Inhibitor: LOC728175 = IL27RA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LY96 with decay value = 1:

LY96_1_Activator: LY96 = LY96 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for LYZ with decay value = 1:

LYZ_1_Activator: LYZ = F13A1 (Confidence: 1, TimeStep: 1)

LYZ_2_Activator: LYZ = LGALS3 (Confidence: 1, TimeStep: 1)

LYZ_3_Activator: LYZ = !CCNB1&IGH (Confidence: 1, TimeStep: 1)

LYZ_4_Activator: LYZ = !CENPV&MIR8071-1 (Confidence: 1, TimeStep: 1)

LYZ_5_Activator: LYZ = !BUB1B&IGH (Confidence: 1, TimeStep: 1)

LYZ_1_Inhibitor: LYZ = TMEM97 (Confidence: 1, TimeStep: 1)

LYZ_2_Inhibitor: LYZ = WDHD1 (Confidence: 1, TimeStep: 1)

LYZ_3_Inhibitor: LYZ = CENPH (Confidence: 1, TimeStep: 1)

LYZ_4_Inhibitor: LYZ = APITD1-CORT (Confidence: 1, TimeStep: 1)

LYZ_5_Inhibitor: LYZ = ASF1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MAD2L1 with decay value = 1:

MAD2L1_1_Activator: MAD2L1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

MAD2L1_2_Activator: MAD2L1 = ASF1B (Confidence: 1, TimeStep: 1)

MAD2L1_3_Activator: MAD2L1 = AURKA (Confidence: 1, TimeStep: 1)

MAD2L1_4_Activator: MAD2L1 = !BTG1 (Confidence: 1, TimeStep: 1)

MAD2L1_5_Activator: MAD2L1 = CCDC34 (Confidence: 1, TimeStep: 1)

MAD2L1_1_Inhibitor: MAD2L1 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

MAD2L1_2_Inhibitor: MAD2L1 = !ASF1B (Confidence: 1, TimeStep: 1)

MAD2L1_3_Inhibitor: MAD2L1 = !AURKA (Confidence: 1, TimeStep: 1)

MAD2L1_4_Inhibitor: MAD2L1 = BTG1 (Confidence: 1, TimeStep: 1)

MAD2L1_5_Inhibitor: MAD2L1 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MCM10 with decay value = 1:

MCM10_1_Activator: MCM10 = !CD53&MDK (Confidence: 1, TimeStep: 1)

MCM10_2_Activator: MCM10 = CENPK&MDK (Confidence: 1, TimeStep: 1)

MCM10_3_Activator: MCM10 = !IGH&MDK (Confidence: 1, TimeStep: 1)

MCM10_4_Activator: MCM10 = !IGLC1&MDK (Confidence: 1, TimeStep: 1)

MCM10_5_Activator: MCM10 = !BMF&MDK (Confidence: 1, TimeStep: 1)

MCM10_1_Inhibitor: MCM10 = !CENPH (Confidence: 1, TimeStep: 1)

MCM10_2_Inhibitor: MCM10 = !CDK1 (Confidence: 1, TimeStep: 1)

MCM10_3_Inhibitor: MCM10 = !HMMR (Confidence: 1, TimeStep: 1)

MCM10_4_Inhibitor: MCM10 = !KIF14 (Confidence: 1, TimeStep: 1)

MCM10_5_Inhibitor: MCM10 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MCM4 with decay value = 1:

MCM4_1_Activator: MCM4 = APITD1-CORT (Confidence: 1, TimeStep: 1)

MCM4_2_Activator: MCM4 = ASF1B (Confidence: 1, TimeStep: 1)

MCM4_3_Activator: MCM4 = AURKA (Confidence: 1, TimeStep: 1)

MCM4_4_Activator: MCM4 = !BTG1 (Confidence: 1, TimeStep: 1)

MCM4_5_Activator: MCM4 = CCDC34 (Confidence: 1, TimeStep: 1)

MCM4_1_Inhibitor: MCM4 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

MCM4_2_Inhibitor: MCM4 = !ASF1B (Confidence: 1, TimeStep: 1)

MCM4_3_Inhibitor: MCM4 = !AURKA (Confidence: 1, TimeStep: 1)

MCM4_4_Inhibitor: MCM4 = BTG1 (Confidence: 1, TimeStep: 1)

MCM4_5_Inhibitor: MCM4 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MCM5 with decay value = 1:

MCM5_1_Activator: MCM5 = !ANP32E&BUB1B (Confidence: 1, TimeStep: 1)

MCM5_2_Activator: MCM5 = !ANP32E&C4orf46 (Confidence: 1, TimeStep: 1)

MCM5_3_Activator: MCM5 = !ANP32E&CCNB1 (Confidence: 1, TimeStep: 1)

MCM5_4_Activator: MCM5 = !ANP32E&CENPN (Confidence: 1, TimeStep: 1)

MCM5_5_Activator: MCM5 = !ANP32E&KIF15 (Confidence: 1, TimeStep: 1)

MCM5_1_Inhibitor: MCM5 = !CCNB1 (Confidence: 1, TimeStep: 1)

MCM5_2_Inhibitor: MCM5 = !BUB1B (Confidence: 1, TimeStep: 1)

MCM5_3_Inhibitor: MCM5 = !CENPN (Confidence: 1, TimeStep: 1)

MCM5_4_Inhibitor: MCM5 = !KIF15 (Confidence: 1, TimeStep: 1)

MCM5_5_Inhibitor: MCM5 = !MCM10 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MCM7 with decay value = 1:

MCM7_1_Activator: MCM7 = !APITD1-CORT&BRIP1 (Confidence: 1, TimeStep: 1)

MCM7_2_Activator: MCM7 = !APITD1-CORT&CHEK1 (Confidence: 1, TimeStep: 1)

MCM7_3_Activator: MCM7 = !APITD1-CORT&FANCI (Confidence: 1, TimeStep: 1)

MCM7_4_Activator: MCM7 = !APITD1-CORT&TTK (Confidence: 1, TimeStep: 1)

MCM7_5_Activator: MCM7 = !ASF1B&BRIP1 (Confidence: 1, TimeStep: 1)

MCM7_1_Inhibitor: MCM7 = !BRCA1 (Confidence: 1, TimeStep: 1)

MCM7_2_Inhibitor: MCM7 = !MCM7 (Confidence: 1, TimeStep: 1)

MCM7_3_Inhibitor: MCM7 = !BYSL (Confidence: 1, TimeStep: 1)

MCM7_4_Inhibitor: MCM7 = !PAICS (Confidence: 1, TimeStep: 1)

MCM7_5_Inhibitor: MCM7 = TBXA2R (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MDK with decay value = 1:

MDK_1_Activator: MDK = !CCNL1&MDK (Confidence: 1, TimeStep: 1)

MDK_2_Activator: MDK = BRCA1&MDK (Confidence: 1, TimeStep: 1)

MDK_3_Activator: MDK = BRIP1&MDK (Confidence: 1, TimeStep: 1)

MDK_4_Activator: MDK = BUB1B&MDK (Confidence: 1, TimeStep: 1)

MDK_5_Activator: MDK = C4orf46&MDK (Confidence: 1, TimeStep: 1)

MDK_1_Inhibitor: MDK = !MDK (Confidence: 1, TimeStep: 1)

MDK_2_Inhibitor: MDK = CLEC2B (Confidence: 1, TimeStep: 1)

MDK_3_Inhibitor: MDK = HBB (Confidence: 1, TimeStep: 1)

MDK_4_Inhibitor: MDK = !RMI2 (Confidence: 1, TimeStep: 1)

MDK_5_Inhibitor: MDK = CDC42EP3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MDM2 with decay value = 1:

MDM2_1_Activator: MDM2 = !IL6ST&MDM2 (Confidence: 1, TimeStep: 1)

MDM2_2_Activator: MDM2 = !IL6ST&TENM4 (Confidence: 1, TimeStep: 1)

MDM2_1_Inhibitor: MDM2 = !TMEM2 (Confidence: 1, TimeStep: 1)

MDM2_2_Inhibitor: MDM2 = !MDM2&!MYRIP (Confidence: 1, TimeStep: 1)

MDM2_3_Inhibitor: MDM2 = !KCNK12&!P2RY14 (Confidence: 1, TimeStep: 1)

MDM2_4_Inhibitor: MDM2 = !MYRIP&!P2RY14 (Confidence: 1, TimeStep: 1)

MDM2_5_Inhibitor: MDM2 = !P2RY14&!TENM4 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MELK with decay value = 1:

MELK_1_Activator: MELK = APITD1-CORT (Confidence: 1, TimeStep: 1)

MELK_2_Activator: MELK = ASF1B (Confidence: 1, TimeStep: 1)

MELK_3_Activator: MELK = AURKA (Confidence: 1, TimeStep: 1)

MELK_4_Activator: MELK = !BTG1 (Confidence: 1, TimeStep: 1)

MELK_5_Activator: MELK = CCDC34 (Confidence: 1, TimeStep: 1)

MELK_1_Inhibitor: MELK = !APITD1-CORT (Confidence: 1, TimeStep: 1)

MELK_2_Inhibitor: MELK = !ASF1B (Confidence: 1, TimeStep: 1)

MELK_3_Inhibitor: MELK = !AURKA (Confidence: 1, TimeStep: 1)

MELK_4_Inhibitor: MELK = BTG1 (Confidence: 1, TimeStep: 1)

MELK_5_Inhibitor: MELK = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for METTL7A with decay value = 1:

METTL7A_1_Activator: METTL7A = METTL7A (Confidence: 1, TimeStep: 1)

METTL7A_2_Activator: METTL7A = !ECT2 (Confidence: 1, TimeStep: 1)
METTL7A_3_Activator: METTL7A = TMEM2 (Confidence: 1, TimeStep: 1)
METTL7A_4_Activator: METTL7A = !CENPK (Confidence: 1, TimeStep: 1)
METTL7A_5_Activator: METTL7A = ISG20 (Confidence: 1, TimeStep: 1)
METTL7A_1_Inhibitor: METTL7A = !BMF&!TRIB1 (Confidence: 1, TimeStep: 1)
METTL7A_2_Inhibitor: METTL7A = !AKAP12&LOC100505650 (Confidence: 1, TimeStep: 1)
METTL7A_3_Inhibitor: METTL7A = !C5orf24&ECT2 (Confidence: 1, TimeStep: 1)
METTL7A_4_Inhibitor: METTL7A = !C5orf24&!ID2 (Confidence: 1, TimeStep: 1)
METTL7A_5_Inhibitor: METTL7A = !C5orf24&!METTL7A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MIR4683 with decay value = 1:

MIR4683_1_Activator: MIR4683 = MIR4683 (Confidence: 1, TimeStep: 1)
MIR4683_2_Activator: MIR4683 = RPS6KA2 (Confidence: 1, TimeStep: 1)
MIR4683_3_Activator: MIR4683 = BMF&RNASET2 (Confidence: 1, TimeStep: 1)
MIR4683_4_Activator: MIR4683 = C5orf24&RNASET2 (Confidence: 1, TimeStep: 1)
MIR4683_5_Activator: MIR4683 = AKAP12&RNASET2 (Confidence: 1, TimeStep: 1)
MIR4683_1_Inhibitor: MIR4683 = ECT2 (Confidence: 1, TimeStep: 1)
MIR4683_2_Inhibitor: MIR4683 = PPIF (Confidence: 1, TimeStep: 1)
MIR4683_3_Inhibitor: MIR4683 = FOXM1 (Confidence: 1, TimeStep: 1)
MIR4683_4_Inhibitor: MIR4683 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
MIR4683_5_Inhibitor: MIR4683 = !RAG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MIR6845 with decay value = 1:

MIR6845_1_Activator: MIR6845 = MIR6845 (Confidence: 1, TimeStep: 1)
MIR6845_2_Activator: MIR6845 = !BYSL (Confidence: 1, TimeStep: 1)
MIR6845_3_Activator: MIR6845 = !PAICS (Confidence: 1, TimeStep: 1)
MIR6845_4_Activator: MIR6845 = !CRNDE (Confidence: 1, TimeStep: 1)
MIR6845_5_Activator: MIR6845 = MIR4683 (Confidence: 1, TimeStep: 1)
MIR6845_1_Inhibitor: MIR6845 = ATAD2 (Confidence: 1, TimeStep: 1)
MIR6845_2_Inhibitor: MIR6845 = BIRC5 (Confidence: 1, TimeStep: 1)
MIR6845_3_Inhibitor: MIR6845 = BUB1 (Confidence: 1, TimeStep: 1)
MIR6845_4_Inhibitor: MIR6845 = CCNA2 (Confidence: 1, TimeStep: 1)
MIR6845_5_Inhibitor: MIR6845 = CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MIR8071-1 with decay value = 1:

MIR8071-1_1_Activator: MIR8071-1 = MIR8071-1 (Confidence: 1, TimeStep: 1)
MIR8071-1_2_Activator: MIR8071-1 = F13A1 (Confidence: 1, TimeStep: 1)
MIR8071-1_3_Activator: MIR8071-1 = LGALS3 (Confidence: 1, TimeStep: 1)
MIR8071-1_4_Activator: MIR8071-1 = MNDA (Confidence: 1, TimeStep: 1)
MIR8071-1_5_Activator: MIR8071-1 = IGLC1&!TMEM97 (Confidence: 1, TimeStep: 1)
MIR8071-1_1_Inhibitor: MIR8071-1 = !ZFP36L2 (Confidence: 1, TimeStep: 1)
MIR8071-1_2_Inhibitor: MIR8071-1 = LYZ&!MIR8071-1 (Confidence: 1, TimeStep: 1)
MIR8071-1_3_Inhibitor: MIR8071-1 = !APITD1-CORT&!MS4A1 (Confidence: 1, TimeStep: 1)
MIR8071-1_4_Inhibitor: MIR8071-1 = !ASF1B&!MS4A1 (Confidence: 1, TimeStep: 1)
MIR8071-1_5_Inhibitor: MIR8071-1 = !ATAD2&!MS4A1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MKI67 with decay value = 1:

MKI67_1_Activator: MKI67 = APITD1-CORT (Confidence: 1, TimeStep: 1)
MKI67_2_Activator: MKI67 = ASF1B (Confidence: 1, TimeStep: 1)

MKI67_3_Activator: MKI67 = AURKA (Confidence: 1, TimeStep: 1)

MKI67_4_Activator: MKI67 = !BTG1 (Confidence: 1, TimeStep: 1)

MKI67_5_Activator: MKI67 = CCDC34 (Confidence: 1, TimeStep: 1)

MKI67_1_Inhibitor: MKI67 = !RRM2 (Confidence: 1, TimeStep: 1)

MKI67_2_Inhibitor: MKI67 = !CENPW (Confidence: 1, TimeStep: 1)

MKI67_3_Inhibitor: MKI67 = !TCF19 (Confidence: 1, TimeStep: 1)

MKI67_4_Inhibitor: MKI67 = !WDR76 (Confidence: 1, TimeStep: 1)

MKI67_5_Inhibitor: MKI67 = !DFNA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MND1 with decay value = 1:

MND1_1_Activator: MND1 = PTTG1 (Confidence: 1, TimeStep: 1)

MND1_2_Activator: MND1 = CDK1 (Confidence: 1, TimeStep: 1)

MND1_3_Activator: MND1 = HMMR (Confidence: 1, TimeStep: 1)

MND1_4_Activator: MND1 = KIF14 (Confidence: 1, TimeStep: 1)

MND1_5_Activator: MND1 = KIF20A (Confidence: 1, TimeStep: 1)

MND1_1_Inhibitor: MND1 = !MND1 (Confidence: 1, TimeStep: 1)

MND1_2_Inhibitor: MND1 = !RAD51API (Confidence: 1, TimeStep: 1)

MND1_3_Inhibitor: MND1 = !PAICS (Confidence: 1, TimeStep: 1)

MND1_4_Inhibitor: MND1 = !CRNDE (Confidence: 1, TimeStep: 1)

MND1_5_Inhibitor: MND1 = !SELENOI (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MNDA with decay value = 1:

MNDA_1_Activator: MNDA = !C5orf24&!ECT2 (Confidence: 1, TimeStep: 1)

MNDA_2_Activator: MNDA = IGLC1&!LEF1 (Confidence: 1, TimeStep: 1)

MNDA_3_Activator: MNDA = IGLC1&MNDA (Confidence: 1, TimeStep: 1)

MNDA_4_Activator: MNDA = ITPKB&MNDA (Confidence: 1, TimeStep: 1)

MNDA_5_Activator: MNDA = !C5orf24&FGD2 (Confidence: 1, TimeStep: 1)

MNDA_1_Inhibitor: MNDA = LOC100996643 (Confidence: 1, TimeStep: 1)

MNDA_2_Inhibitor: MNDA = !MIR8071-1 (Confidence: 1, TimeStep: 1)

MNDA_3_Inhibitor: MNDA = !CD53 (Confidence: 1, TimeStep: 1)

MNDA_4_Inhibitor: MNDA = ZWINT (Confidence: 1, TimeStep: 1)

MNDA_5_Inhibitor: MNDA = ANLN (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MPV17L with decay value = 1:

MPV17L_1_Activator: MPV17L = FABP5&!IGLL1 (Confidence: 1, TimeStep: 1)

MPV17L_2_Activator: MPV17L = FABP5&SNX29P2 (Confidence: 1, TimeStep: 1)

MPV17L_3_Activator: MPV17L = BYSL&!IGLL1 (Confidence: 1, TimeStep: 1)

MPV17L_4_Activator: MPV17L = FABP5&MPV17L (Confidence: 1, TimeStep: 1)

MPV17L_5_Activator: MPV17L = BYSL&MPV17L (Confidence: 1, TimeStep: 1)

MPV17L_1_Inhibitor: MPV17L = KIF4A (Confidence: 1, TimeStep: 1)

MPV17L_2_Inhibitor: MPV17L = RFC3 (Confidence: 1, TimeStep: 1)

MPV17L_3_Inhibitor: MPV17L = SHCBP1 (Confidence: 1, TimeStep: 1)

MPV17L_4_Inhibitor: MPV17L = FH (Confidence: 1, TimeStep: 1)

MPV17L_5_Inhibitor: MPV17L = CCNB1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MS4A1 with decay value = 1:

MS4A1_1_Activator: MS4A1 = MIR8071-1 (Confidence: 1, TimeStep: 1)

MS4A1_2_Activator: MS4A1 = MTSS1 (Confidence: 1, TimeStep: 1)

MS4A1_3_Activator: MS4A1 = SERPINB9 (Confidence: 1, TimeStep: 1)

MS4A1_4_Activator: MS4A1 = IGLC1 (Confidence: 1, TimeStep: 1)

MS4A1_5_Activator: MS4A1 = ITGAM (Confidence: 1, TimeStep: 1)

MS4A1_1_Inhibitor: MS4A1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

MS4A1_2_Inhibitor: MS4A1 = ASF1B (Confidence: 1, TimeStep: 1)

MS4A1_3_Inhibitor: MS4A1 = AURKA (Confidence: 1, TimeStep: 1)

MS4A1_4_Inhibitor: MS4A1 = !BTG1 (Confidence: 1, TimeStep: 1)

MS4A1_5_Inhibitor: MS4A1 = CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MS4A4A with decay value = 1:

MS4A4A_1_Activator: MS4A4A = !F13A1&FGD2 (Confidence: 1, TimeStep: 1)

MS4A4A_2_Activator: MS4A4A = !MS4A4A&TARSL2 (Confidence: 1, TimeStep: 1)

MS4A4A_3_Activator: MS4A4A = !ID2&MTSS1 (Confidence: 1, TimeStep: 1)

MS4A4A_4_Activator: MS4A4A = !MIR6845&TARSL2 (Confidence: 1, TimeStep: 1)

MS4A4A_5_Activator: MS4A4A = CENPV&HRK (Confidence: 1, TimeStep: 1)

MS4A4A_1_Inhibitor: MS4A4A = !SMAP2 (Confidence: 1, TimeStep: 1)

MS4A4A_2_Inhibitor: MS4A4A = ECT2 (Confidence: 1, TimeStep: 1)

MS4A4A_3_Inhibitor: MS4A4A = FOXM1 (Confidence: 1, TimeStep: 1)

MS4A4A_4_Inhibitor: MS4A4A = STIL (Confidence: 1, TimeStep: 1)

MS4A4A_5_Inhibitor: MS4A4A = ATAD2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MS4A7 with decay value = 1:

MS4A7_1_Activator: MS4A7 = LILRA1 (Confidence: 1, TimeStep: 1)

MS4A7_2_Activator: MS4A7 = !E2F7&MS4A7 (Confidence: 1, TimeStep: 1)

MS4A7_3_Activator: MS4A7 = !L6ST&MS4A7 (Confidence: 1, TimeStep: 1)

MS4A7_4_Activator: MS4A7 = !CCNL1&FGD2 (Confidence: 1, TimeStep: 1)

MS4A7_5_Activator: MS4A7 = !CENPV&FGD2 (Confidence: 1, TimeStep: 1)

MS4A7_1_Inhibitor: MS4A7 = APITD1-CORT (Confidence: 1, TimeStep: 1)

MS4A7_2_Inhibitor: MS4A7 = ASF1B (Confidence: 1, TimeStep: 1)

MS4A7_3_Inhibitor: MS4A7 = AURKA (Confidence: 1, TimeStep: 1)

MS4A7_4_Inhibitor: MS4A7 = !BTG1 (Confidence: 1, TimeStep: 1)

MS4A7_5_Inhibitor: MS4A7 = CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MSH6 with decay value = 1:

MSH6_1_Activator: MSH6 = HRK (Confidence: 1, TimeStep: 1)

MSH6_2_Activator: MSH6 = TENM4 (Confidence: 1, TimeStep: 1)

MSH6_3_Activator: MSH6 = AKAP12&RMI2 (Confidence: 1, TimeStep: 1)

MSH6_4_Activator: MSH6 = ABHD17B&!SNX10 (Confidence: 1, TimeStep: 1)

MSH6_5_Activator: MSH6 = GSN&RMI2 (Confidence: 1, TimeStep: 1)

MSH6_1_Inhibitor: MSH6 = !MSH6 (Confidence: 1, TimeStep: 1)

MSH6_2_Inhibitor: MSH6 = !ID3 (Confidence: 1, TimeStep: 1)

MSH6_3_Inhibitor: MSH6 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

MSH6_4_Inhibitor: MSH6 = !ABHD17B (Confidence: 1, TimeStep: 1)

MSH6_5_Inhibitor: MSH6 = LOC100130872 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MTHFD2 with decay value = 1:

MTHFD2_1_Activator: MTHFD2 = !TXNIP (Confidence: 1, TimeStep: 1)

MTHFD2_2_Activator: MTHFD2 = ATAD2 (Confidence: 1, TimeStep: 1)

MTHFD2_3_Activator: MTHFD2 = BIRC5 (Confidence: 1, TimeStep: 1)

MTHFD2_4_Activator: MTHFD2 = BUB1 (Confidence: 1, TimeStep: 1)

MTHFD2_5_Activator: MTHFD2 = CCNA2 (Confidence: 1, TimeStep: 1)
MTHFD2_1_Inhibitor: MTHFD2 = !CCDC86 (Confidence: 1, TimeStep: 1)
MTHFD2_2_Inhibitor: MTHFD2 = !PAICS (Confidence: 1, TimeStep: 1)
MTHFD2_3_Inhibitor: MTHFD2 = ITGAM (Confidence: 1, TimeStep: 1)
MTHFD2_4_Inhibitor: MTHFD2 = !SELENOI (Confidence: 1, TimeStep: 1)
MTHFD2_5_Inhibitor: MTHFD2 = CDC42EP3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MTSS1 with decay value = 1:

MTSS1_1_Activator: MTSS1 = MTSS1 (Confidence: 1, TimeStep: 1)
MTSS1_2_Activator: MTSS1 = SERPINB9 (Confidence: 1, TimeStep: 1)
MTSS1_3_Activator: MTSS1 = ITGAM (Confidence: 1, TimeStep: 1)
MTSS1_4_Activator: MTSS1 = HRK (Confidence: 1, TimeStep: 1)
MTSS1_5_Activator: MTSS1 = CCR1 (Confidence: 1, TimeStep: 1)
MTSS1_1_Inhibitor: MTSS1 = !SMAP2 (Confidence: 1, TimeStep: 1)
MTSS1_2_Inhibitor: MTSS1 = ECT2 (Confidence: 1, TimeStep: 1)
MTSS1_3_Inhibitor: MTSS1 = !MS4A1 (Confidence: 1, TimeStep: 1)
MTSS1_4_Inhibitor: MTSS1 = FOXM1 (Confidence: 1, TimeStep: 1)
MTSS1_5_Inhibitor: MTSS1 = STIL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for MYRIP with decay value = 1:

MYRIP_1_Activator: MYRIP = LOC728175 (Confidence: 1, TimeStep: 1)
MYRIP_2_Activator: MYRIP = !BIRC3&MDM2 (Confidence: 1, TimeStep: 1)
MYRIP_3_Activator: MYRIP = ELL2&MYRIP (Confidence: 1, TimeStep: 1)
MYRIP_4_Activator: MYRIP = KCNK12&!SNX10 (Confidence: 1, TimeStep: 1)
MYRIP_5_Activator: MYRIP = LOC100996643&MDM2 (Confidence: 1, TimeStep: 1)
MYRIP_1_Inhibitor: MYRIP = FGR (Confidence: 1, TimeStep: 1)
MYRIP_2_Inhibitor: MYRIP = !PTP4A1 (Confidence: 1, TimeStep: 1)
MYRIP_3_Inhibitor: MYRIP = !ID3 (Confidence: 1, TimeStep: 1)
MYRIP_4_Inhibitor: MYRIP = !ELL2&SNX10 (Confidence: 1, TimeStep: 1)
MYRIP_5_Inhibitor: MYRIP = !IL6ST&!LOC728175 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NCAPG with decay value = 1:

NCAPG_1_Activator: NCAPG = APITD1-CORT (Confidence: 1, TimeStep: 1)
NCAPG_2_Activator: NCAPG = ASF1B (Confidence: 1, TimeStep: 1)
NCAPG_3_Activator: NCAPG = AURKA (Confidence: 1, TimeStep: 1)
NCAPG_4_Activator: NCAPG = !BTG1 (Confidence: 1, TimeStep: 1)
NCAPG_5_Activator: NCAPG = CCDC34 (Confidence: 1, TimeStep: 1)
NCAPG_1_Inhibitor: NCAPG = !APITD1-CORT (Confidence: 1, TimeStep: 1)
NCAPG_2_Inhibitor: NCAPG = !ASF1B (Confidence: 1, TimeStep: 1)
NCAPG_3_Inhibitor: NCAPG = !AURKA (Confidence: 1, TimeStep: 1)
NCAPG_4_Inhibitor: NCAPG = BTG1 (Confidence: 1, TimeStep: 1)
NCAPG_5_Inhibitor: NCAPG = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NCAPH with decay value = 1:

NCAPH_1_Activator: NCAPH = APITD1-CORT (Confidence: 1, TimeStep: 1)
NCAPH_2_Activator: NCAPH = ASF1B (Confidence: 1, TimeStep: 1)
NCAPH_3_Activator: NCAPH = AURKA (Confidence: 1, TimeStep: 1)
NCAPH_4_Activator: NCAPH = !BTG1 (Confidence: 1, TimeStep: 1)
NCAPH_5_Activator: NCAPH = CCDC34 (Confidence: 1, TimeStep: 1)

NCAPH_1_Inhibitor: NCAPH = !APITD1-CORT (Confidence: 1, TimeStep: 1)

NCAPH_2_Inhibitor: NCAPH = !ASF1B (Confidence: 1, TimeStep: 1)

NCAPH_3_Inhibitor: NCAPH = !AURKA (Confidence: 1, TimeStep: 1)

NCAPH_4_Inhibitor: NCAPH = BTG1 (Confidence: 1, TimeStep: 1)

NCAPH_5_Inhibitor: NCAPH = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NEAT1 with decay value = 1:

NEAT1_1_Activator: NEAT1 = !ANP32E (Confidence: 1, TimeStep: 1)

NEAT1_2_Activator: NEAT1 = !FH (Confidence: 1, TimeStep: 1)

NEAT1_3_Activator: NEAT1 = NEAT1 (Confidence: 1, TimeStep: 1)

NEAT1_4_Activator: NEAT1 = !RFC3 (Confidence: 1, TimeStep: 1)

NEAT1_5_Activator: NEAT1 = !MTHFD2 (Confidence: 1, TimeStep: 1)

NEAT1_1_Inhibitor: NEAT1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

NEAT1_2_Inhibitor: NEAT1 = ASF1B (Confidence: 1, TimeStep: 1)

NEAT1_3_Inhibitor: NEAT1 = AURKA (Confidence: 1, TimeStep: 1)

NEAT1_4_Inhibitor: NEAT1 = !BTG1 (Confidence: 1, TimeStep: 1)

NEAT1_5_Inhibitor: NEAT1 = CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NEDD9 with decay value = 1:

NEDD9_1_Activator: NEDD9 = RAB31 (Confidence: 1, TimeStep: 1)

NEDD9_2_Activator: NEDD9 = !ANLN&ITGAM (Confidence: 1, TimeStep: 1)

NEDD9_3_Activator: NEDD9 = !BCAT1&NEDD9 (Confidence: 1, TimeStep: 1)

NEDD9_4_Activator: NEDD9 = !BYSL&NEDD9 (Confidence: 1, TimeStep: 1)

NEDD9_5_Activator: NEDD9 = !ASPM&ITGAM (Confidence: 1, TimeStep: 1)

NEDD9_1_Inhibitor: NEDD9 = BYSL&!WFS1 (Confidence: 1, TimeStep: 1)

NEDD9_2_Inhibitor: NEDD9 = !AURKB&!RNASET2 (Confidence: 1, TimeStep: 1)

NEDD9_3_Inhibitor: NEDD9 = !ATAD2&!RNASET2 (Confidence: 1, TimeStep: 1)

NEDD9_4_Inhibitor: NEDD9 = !BIRC5&!RNASET2 (Confidence: 1, TimeStep: 1)

NEDD9_5_Inhibitor: NEDD9 = !BUB1&!RNASET2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NEK2 with decay value = 1:

NEK2_1_Activator: NEK2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

NEK2_2_Activator: NEK2 = ASF1B (Confidence: 1, TimeStep: 1)

NEK2_3_Activator: NEK2 = AURKA (Confidence: 1, TimeStep: 1)

NEK2_4_Activator: NEK2 = !BTG1 (Confidence: 1, TimeStep: 1)

NEK2_5_Activator: NEK2 = CCDC34 (Confidence: 1, TimeStep: 1)

NEK2_1_Inhibitor: NEK2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

NEK2_2_Inhibitor: NEK2 = !ASF1B (Confidence: 1, TimeStep: 1)

NEK2_3_Inhibitor: NEK2 = !AURKA (Confidence: 1, TimeStep: 1)

NEK2_4_Inhibitor: NEK2 = BTG1 (Confidence: 1, TimeStep: 1)

NEK2_5_Inhibitor: NEK2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NME1 with decay value = 1:

NME1_1_Activator: NME1 = CENPH (Confidence: 1, TimeStep: 1)

NME1_2_Activator: NME1 = CKAP2 (Confidence: 1, TimeStep: 1)

NME1_3_Activator: NME1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

NME1_4_Activator: NME1 = ASF1B (Confidence: 1, TimeStep: 1)

NME1_5_Activator: NME1 = AURKA (Confidence: 1, TimeStep: 1)

NME1_1_Inhibitor: NME1 = LYZ (Confidence: 1, TimeStep: 1)

NME1_2_Inhibitor: NME1 = !LOC100996643 (Confidence: 1, TimeStep: 1)

NME1_3_Inhibitor: NME1 = MIR8071-1 (Confidence: 1, TimeStep: 1)

NME1_4_Inhibitor: NME1 = !RAD51AP1 (Confidence: 1, TimeStep: 1)

NME1_5_Inhibitor: NME1 = !BYSL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NPCDR1 with decay value = 1:

NPCDR1_1_Activator: NPCDR1 = ABHD17B&CDC42EP3 (Confidence: 1, TimeStep: 1)

NPCDR1_2_Activator: NPCDR1 = !BCL2L11&CDC42EP3 (Confidence: 1, TimeStep: 1)

NPCDR1_3_Activator: NPCDR1 = !BCL2L11&!LOC100996643 (Confidence: 1, TimeStep: 1)

NPCDR1_4_Activator: NPCDR1 = !BCL2L11&!PAICS (Confidence: 1, TimeStep: 1)

NPCDR1_5_Activator: NPCDR1 = BMF&CDC42EP3 (Confidence: 1, TimeStep: 1)

NPCDR1_1_Inhibitor: NPCDR1 = CDT1 (Confidence: 1, TimeStep: 1)

NPCDR1_2_Inhibitor: NPCDR1 = BRIP1 (Confidence: 1, TimeStep: 1)

NPCDR1_3_Inhibitor: NPCDR1 = CHEK1 (Confidence: 1, TimeStep: 1)

NPCDR1_4_Inhibitor: NPCDR1 = FANCI (Confidence: 1, TimeStep: 1)

NPCDR1_5_Inhibitor: NPCDR1 = TTK (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NUF2 with decay value = 1:

NUF2_1_Activator: NUF2 = CENPH (Confidence: 1, TimeStep: 1)

NUF2_2_Activator: NUF2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

NUF2_3_Activator: NUF2 = ASF1B (Confidence: 1, TimeStep: 1)

NUF2_4_Activator: NUF2 = AURKA (Confidence: 1, TimeStep: 1)

NUF2_5_Activator: NUF2 = !BTG1 (Confidence: 1, TimeStep: 1)

NUF2_1_Inhibitor: NUF2 = !CENPF (Confidence: 1, TimeStep: 1)

NUF2_2_Inhibitor: NUF2 = !NEK2 (Confidence: 1, TimeStep: 1)

NUF2_3_Inhibitor: NUF2 = !FH (Confidence: 1, TimeStep: 1)

NUF2_4_Inhibitor: NUF2 = !C4orf46 (Confidence: 1, TimeStep: 1)

NUF2_5_Inhibitor: NUF2 = !HELLS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for NUSAP1 with decay value = 1:

NUSAP1_1_Activator: NUSAP1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

NUSAP1_2_Activator: NUSAP1 = ASF1B (Confidence: 1, TimeStep: 1)

NUSAP1_3_Activator: NUSAP1 = AURKA (Confidence: 1, TimeStep: 1)

NUSAP1_4_Activator: NUSAP1 = !BTG1 (Confidence: 1, TimeStep: 1)

NUSAP1_5_Activator: NUSAP1 = CCDC34 (Confidence: 1, TimeStep: 1)

NUSAP1_1_Inhibitor: NUSAP1 = !CENPF (Confidence: 1, TimeStep: 1)

NUSAP1_2_Inhibitor: NUSAP1 = !DEPDC1B (Confidence: 1, TimeStep: 1)

NUSAP1_3_Inhibitor: NUSAP1 = !NEK2 (Confidence: 1, TimeStep: 1)

NUSAP1_4_Inhibitor: NUSAP1 = !ANP32E (Confidence: 1, TimeStep: 1)

NUSAP1_5_Inhibitor: NUSAP1 = !FH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for OIP5 with decay value = 1:

OIP5_1_Activator: OIP5 = APITD1-CORT (Confidence: 1, TimeStep: 1)

OIP5_2_Activator: OIP5 = ASF1B (Confidence: 1, TimeStep: 1)

OIP5_3_Activator: OIP5 = AURKA (Confidence: 1, TimeStep: 1)

OIP5_4_Activator: OIP5 = !BTG1 (Confidence: 1, TimeStep: 1)

OIP5_5_Activator: OIP5 = CCDC34 (Confidence: 1, TimeStep: 1)

OIP5_1_Inhibitor: OIP5 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

OIP5_2_Inhibitor: OIP5 = !ASF1B (Confidence: 1, TimeStep: 1)

OIP5_3_Inhibitor: OIP5 = !AURKA (Confidence: 1, TimeStep: 1)

OIP5_4_Inhibitor: OIP5 = BTG1 (Confidence: 1, TimeStep: 1)

OIP5_5_Inhibitor: OIP5 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for P2RX5 with decay value = 1:

P2RX5_1_Activator: P2RX5 = CRNDE&P2RX5 (Confidence: 1, TimeStep: 1)

P2RX5_2_Activator: P2RX5 = DFNA5&P2RX5 (Confidence: 1, TimeStep: 1)

P2RX5_3_Activator: P2RX5 = KIF11&P2RX5 (Confidence: 1, TimeStep: 1)

P2RX5_4_Activator: P2RX5 = CDC20&P2RX5 (Confidence: 1, TimeStep: 1)

P2RX5_5_Activator: P2RX5 = KIF4A&P2RX5 (Confidence: 1, TimeStep: 1)

P2RX5_1_Inhibitor: P2RX5 = !DFNA5&IQGAP3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for P2RY14 with decay value = 1:

P2RY14_1_Activator: P2RY14 = C5orf24&DENND3 (Confidence: 1, TimeStep: 1)

P2RY14_2_Activator: P2RY14 = !BCL2L11&DENND3 (Confidence: 1, TimeStep: 1)

P2RY14_3_Activator: P2RY14 = DPEP1&IL1B (Confidence: 1, TimeStep: 1)

P2RY14_4_Activator: P2RY14 = BMF&DENND3 (Confidence: 1, TimeStep: 1)

P2RY14_5_Activator: P2RY14 = DPEP1&PDE4B (Confidence: 1, TimeStep: 1)

P2RY14_1_Inhibitor: P2RY14 = !METTL7A (Confidence: 1, TimeStep: 1)

P2RY14_2_Inhibitor: P2RY14 = UBE2C (Confidence: 1, TimeStep: 1)

P2RY14_3_Inhibitor: P2RY14 = CENPV&!KIF26A (Confidence: 1, TimeStep: 1)

P2RY14_4_Inhibitor: P2RY14 = !GSN&!IRAK3 (Confidence: 1, TimeStep: 1)

P2RY14_5_Inhibitor: P2RY14 = !GSN&!PDE4B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PAICS with decay value = 1:

PAICS_1_Activator: PAICS = !CD53 (Confidence: 1, TimeStep: 1)

PAICS_2_Activator: PAICS = GGH (Confidence: 1, TimeStep: 1)

PAICS_3_Activator: PAICS = FOXM1 (Confidence: 1, TimeStep: 1)

PAICS_4_Activator: PAICS = KIF2C (Confidence: 1, TimeStep: 1)

PAICS_5_Activator: PAICS = STIL (Confidence: 1, TimeStep: 1)

PAICS_1_Inhibitor: PAICS = !BYSL (Confidence: 1, TimeStep: 1)

PAICS_2_Inhibitor: PAICS = !PAICS (Confidence: 1, TimeStep: 1)

PAICS_3_Inhibitor: PAICS = !FABP5 (Confidence: 1, TimeStep: 1)

PAICS_4_Inhibitor: PAICS = F13A1 (Confidence: 1, TimeStep: 1)

PAICS_5_Inhibitor: PAICS = LGALS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PBK with decay value = 1:

PBK_1_Activator: PBK = APITD1-CORT (Confidence: 1, TimeStep: 1)

PBK_2_Activator: PBK = ASF1B (Confidence: 1, TimeStep: 1)

PBK_3_Activator: PBK = AURKA (Confidence: 1, TimeStep: 1)

PBK_4_Activator: PBK = !BTG1 (Confidence: 1, TimeStep: 1)

PBK_5_Activator: PBK = CCDC34 (Confidence: 1, TimeStep: 1)

PBK_1_Inhibitor: PBK = !APITD1-CORT (Confidence: 1, TimeStep: 1)

PBK_2_Inhibitor: PBK = !ASF1B (Confidence: 1, TimeStep: 1)

PBK_3_Inhibitor: PBK = !AURKA (Confidence: 1, TimeStep: 1)

PBK_4_Inhibitor: PBK = BTG1 (Confidence: 1, TimeStep: 1)

PBK_5_Inhibitor: PBK = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PCNA with decay value = 1:

PCNA_1_Activator: PCNA = BUB1B (Confidence: 1, TimeStep: 1)

PCNA_2_Activator: PCNA = CENPN (Confidence: 1, TimeStep: 1)

PCNA_3_Activator: PCNA = KIF15 (Confidence: 1, TimeStep: 1)

PCNA_4_Activator: PCNA = MCM10 (Confidence: 1, TimeStep: 1)

PCNA_5_Activator: PCNA = PLK4 (Confidence: 1, TimeStep: 1)

PCNA_1_Inhibitor: PCNA = !CDC20 (Confidence: 1, TimeStep: 1)

PCNA_2_Inhibitor: PCNA = !CENPW (Confidence: 1, TimeStep: 1)

PCNA_3_Inhibitor: PCNA = !DHFR (Confidence: 1, TimeStep: 1)

PCNA_4_Inhibitor: PCNA = !RAD51 (Confidence: 1, TimeStep: 1)

PCNA_5_Inhibitor: PCNA = !KIF11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PDE4B with decay value = 1:

PDE4B_1_Activator: PDE4B = IL18R1 (Confidence: 1, TimeStep: 1)

PDE4B_2_Activator: PDE4B = F13A1 (Confidence: 1, TimeStep: 1)

PDE4B_3_Activator: PDE4B = IL18RAP (Confidence: 1, TimeStep: 1)

PDE4B_4_Activator: PDE4B = !ASPM&PDE4B (Confidence: 1, TimeStep: 1)

PDE4B_5_Activator: PDE4B = !ANP32E&MS4A4A (Confidence: 1, TimeStep: 1)

PDE4B_1_Inhibitor: PDE4B = !IRAK3 (Confidence: 1, TimeStep: 1)

PDE4B_2_Inhibitor: PDE4B = !TMEM2 (Confidence: 1, TimeStep: 1)

PDE4B_3_Inhibitor: PDE4B = ANP32E (Confidence: 1, TimeStep: 1)

PDE4B_4_Inhibitor: PDE4B = ECT2 (Confidence: 1, TimeStep: 1)

PDE4B_5_Inhibitor: PDE4B = FH (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PFKFB2 with decay value = 1:

PFKFB2_1_Activator: PFKFB2 = !MYRIP&PFKFB2 (Confidence: 1, TimeStep: 1)

PFKFB2_2_Activator: PFKFB2 = !LOC728175&TNFRSF21 (Confidence: 1, TimeStep: 2)

PFKFB2_3_Activator: PFKFB2 = !MYRIP&TNFRSF21 (Confidence: 1, TimeStep: 2)

PFKFB2_1_Inhibitor: PFKFB2 = LOC728175 (Confidence: 1, TimeStep: 1)

PFKFB2_2_Inhibitor: PFKFB2 = !BIRC3&LOC100996643 (Confidence: 1, TimeStep: 1)

PFKFB2_3_Inhibitor: PFKFB2 = LOC100996643&MYRIP (Confidence: 1, TimeStep: 1)

PFKFB2_4_Inhibitor: PFKFB2 = MYRIP&!PFKFB2 (Confidence: 1, TimeStep: 1)

PFKFB2_5_Inhibitor: PFKFB2 = IL6ST&LOC100996643 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PHF19 with decay value = 1:

PHF19_1_Activator: PHF19 = APITD1-CORT (Confidence: 1, TimeStep: 1)

PHF19_2_Activator: PHF19 = ASF1B (Confidence: 1, TimeStep: 1)

PHF19_3_Activator: PHF19 = AURKA (Confidence: 1, TimeStep: 1)

PHF19_4_Activator: PHF19 = !BTG1 (Confidence: 1, TimeStep: 1)

PHF19_5_Activator: PHF19 = CCDC34 (Confidence: 1, TimeStep: 1)

PHF19_1_Inhibitor: PHF19 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

PHF19_2_Inhibitor: PHF19 = !ASF1B (Confidence: 1, TimeStep: 1)

PHF19_3_Inhibitor: PHF19 = !AURKA (Confidence: 1, TimeStep: 1)

PHF19_4_Inhibitor: PHF19 = BTG1 (Confidence: 1, TimeStep: 1)

PHF19_5_Inhibitor: PHF19 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PIK3IP1 with decay value = 1:

PIK3IP1_1_Activator: PIK3IP1 = !MCM7 (Confidence: 1, TimeStep: 1)

PIK3IP1_2_Activator: PIK3IP1 = !PAICS (Confidence: 1, TimeStep: 1)

PIK3IP1_3_Activator: PIK3IP1 = DDIT4 (Confidence: 1, TimeStep: 1)

PIK3IP1_4_Activator: PIK3IP1 = FGD2 (Confidence: 1, TimeStep: 1)

PIK3IP1_5_Activator: PIK3IP1 = CCR1 (Confidence: 1, TimeStep: 1)
PIK3IP1_1_Inhibitor: PIK3IP1 = !ZFP36L2 (Confidence: 1, TimeStep: 1)
PIK3IP1_2_Inhibitor: PIK3IP1 = BRCA1&!SMIM3 (Confidence: 1, TimeStep: 1)
PIK3IP1_3_Inhibitor: PIK3IP1 = CENPU&!SMIM3 (Confidence: 1, TimeStep: 1)
PIK3IP1_4_Inhibitor: PIK3IP1 = BRIP1&!SMIM3 (Confidence: 1, TimeStep: 1)
PIK3IP1_5_Inhibitor: PIK3IP1 = CDT1&!SMIM3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PLK4 with decay value = 1:

PLK4_1_Activator: PLK4 = CENPH (Confidence: 1, TimeStep: 1)
PLK4_2_Activator: PLK4 = APITD1-CORT (Confidence: 1, TimeStep: 1)
PLK4_3_Activator: PLK4 = ASF1B (Confidence: 1, TimeStep: 1)
PLK4_4_Activator: PLK4 = AURKA (Confidence: 1, TimeStep: 1)
PLK4_5_Activator: PLK4 = !BTG1 (Confidence: 1, TimeStep: 1)
PLK4_1_Inhibitor: PLK4 = !CENPH (Confidence: 1, TimeStep: 1)
PLK4_2_Inhibitor: PLK4 = !CDK1 (Confidence: 1, TimeStep: 1)
PLK4_3_Inhibitor: PLK4 = !HMMR (Confidence: 1, TimeStep: 1)
PLK4_4_Inhibitor: PLK4 = !KIF14 (Confidence: 1, TimeStep: 1)
PLK4_5_Inhibitor: PLK4 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for POLE2 with decay value = 1:

POLE2_1_Activator: POLE2 = !BMF&MDK (Confidence: 1, TimeStep: 1)
POLE2_2_Activator: POLE2 = CENPV&MDK (Confidence: 1, TimeStep: 1)
POLE2_3_Activator: POLE2 = E2F7&MDK (Confidence: 1, TimeStep: 1)
POLE2_4_Activator: POLE2 = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)
POLE2_5_Activator: POLE2 = !IL1B&MDK (Confidence: 1, TimeStep: 1)
POLE2_1_Inhibitor: POLE2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
POLE2_2_Inhibitor: POLE2 = !ASF1B (Confidence: 1, TimeStep: 1)
POLE2_3_Inhibitor: POLE2 = !AURKA (Confidence: 1, TimeStep: 1)
POLE2_4_Inhibitor: POLE2 = BTG1 (Confidence: 1, TimeStep: 1)
POLE2_5_Inhibitor: POLE2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for POLQ with decay value = 1:

POLQ_1_Activator: POLQ = !BMF&MDK (Confidence: 1, TimeStep: 1)
POLQ_2_Activator: POLQ = CENPV&MDK (Confidence: 1, TimeStep: 1)
POLQ_3_Activator: POLQ = E2F7&MDK (Confidence: 1, TimeStep: 1)
POLQ_4_Activator: POLQ = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)
POLQ_5_Activator: POLQ = !IL1B&MDK (Confidence: 1, TimeStep: 1)
POLQ_1_Inhibitor: POLQ = !APITD1-CORT (Confidence: 1, TimeStep: 1)
POLQ_2_Inhibitor: POLQ = !ASF1B (Confidence: 1, TimeStep: 1)
POLQ_3_Inhibitor: POLQ = !AURKA (Confidence: 1, TimeStep: 1)
POLQ_4_Inhibitor: POLQ = BTG1 (Confidence: 1, TimeStep: 1)
POLQ_5_Inhibitor: POLQ = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for POU4F1 with decay value = 1:

POU4F1_1_Activator: POU4F1 = !BRIP1&POU4F1 (Confidence: 1, TimeStep: 1)
POU4F1_2_Activator: POU4F1 = !BUB1B&POU4F1 (Confidence: 1, TimeStep: 1)
POU4F1_3_Activator: POU4F1 = CD53&POU4F1 (Confidence: 1, TimeStep: 1)
POU4F1_4_Activator: POU4F1 = !CDT1&POU4F1 (Confidence: 1, TimeStep: 1)
POU4F1_5_Activator: POU4F1 = !CENPN&POU4F1 (Confidence: 1, TimeStep: 1)

POU4F1_1_Inhibitor: POU4F1 = !POU4F1 (Confidence: 1, TimeStep: 1)

POU4F1_2_Inhibitor: POU4F1 = !ISG20 (Confidence: 1, TimeStep: 1)

POU4F1_3_Inhibitor: POU4F1 = !CD53 (Confidence: 1, TimeStep: 1)

POU4F1_4_Inhibitor: POU4F1 = CDT1 (Confidence: 1, TimeStep: 1)

POU4F1_5_Inhibitor: POU4F1 = ZWINT (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PPBP with decay value = 1:

PPBP_1_Activator: PPBP = CELF2&F13A1 (Confidence: 1, TimeStep: 1)

PPBP_2_Activator: PPBP = !C5orf24&PIK3IP1 (Confidence: 1, TimeStep: 1)

PPBP_3_Activator: PPBP = CCR1&F13A1 (Confidence: 1, TimeStep: 1)

PPBP_4_Activator: PPBP = CDC42EP3&FGD2 (Confidence: 1, TimeStep: 1)

PPBP_5_Activator: PPBP = !CRNDE&F13A1 (Confidence: 1, TimeStep: 1)

PPBP_1_Inhibitor: PPBP = E2F8 (Confidence: 1, TimeStep: 1)

PPBP_2_Inhibitor: PPBP = !GIMAP7 (Confidence: 1, TimeStep: 1)

PPBP_3_Inhibitor: PPBP = !GIMAP4 (Confidence: 1, TimeStep: 1)

PPBP_4_Inhibitor: PPBP = KIF11 (Confidence: 1, TimeStep: 1)

PPBP_5_Inhibitor: PPBP = KNL1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PPIF with decay value = 1:

PPIF_1_Activator: PPIF = APITD1-CORT (Confidence: 1, TimeStep: 1)

PPIF_2_Activator: PPIF = ASF1B (Confidence: 1, TimeStep: 1)

PPIF_3_Activator: PPIF = AURKA (Confidence: 1, TimeStep: 1)

PPIF_4_Activator: PPIF = !BTG1 (Confidence: 1, TimeStep: 1)

PPIF_5_Activator: PPIF = CCDC34 (Confidence: 1, TimeStep: 1)

PPIF_1_Inhibitor: PPIF = !BCL2L11 (Confidence: 1, TimeStep: 1)

PPIF_2_Inhibitor: PPIF = BMF (Confidence: 1, TimeStep: 1)

PPIF_3_Inhibitor: PPIF = DPEP1 (Confidence: 1, TimeStep: 1)

PPIF_4_Inhibitor: PPIF = NPCDR1 (Confidence: 1, TimeStep: 1)

PPIF_5_Inhibitor: PPIF = IL1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PPP1R16B with decay value = 1:

PPP1R16B_1_Activator: PPP1R16B = PPP1R16B (Confidence: 1, TimeStep: 1)

PPP1R16B_2_Activator: PPP1R16B = LGALS3 (Confidence: 1, TimeStep: 1)

PPP1R16B_3_Activator: PPP1R16B = LOC100130872 (Confidence: 1, TimeStep: 1)

PPP1R16B_4_Activator: PPP1R16B = LILRA1 (Confidence: 1, TimeStep: 1)

PPP1R16B_5_Activator: PPP1R16B = !DTL&!PSPH (Confidence: 1, TimeStep: 1)

PPP1R16B_1_Inhibitor: PPP1R16B = RFC3 (Confidence: 1, TimeStep: 1)

PPP1R16B_2_Inhibitor: PPP1R16B = FH (Confidence: 1, TimeStep: 1)

PPP1R16B_3_Inhibitor: PPP1R16B = CCNB1 (Confidence: 1, TimeStep: 1)

PPP1R16B_4_Inhibitor: PPP1R16B = CENPF (Confidence: 1, TimeStep: 1)

PPP1R16B_5_Inhibitor: PPP1R16B = DEPDC1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PRDM1 with decay value = 1:

PRDM1_1_Activator: PRDM1 = PPBP (Confidence: 1, TimeStep: 1)

PRDM1_2_Activator: PRDM1 = FGL2 (Confidence: 1, TimeStep: 1)

PRDM1_3_Activator: PRDM1 = CDC42EP3&FGR (Confidence: 1, TimeStep: 1)

PRDM1_4_Activator: PRDM1 = FCER1G&!RAD51AP1 (Confidence: 1, TimeStep: 1)

PRDM1_5_Activator: PRDM1 = FCGR3B&!RAD51AP1 (Confidence: 1, TimeStep: 1)

PRDM1_1_Inhibitor: PRDM1 = RAD51AP1 (Confidence: 1, TimeStep: 1)

PRDM1_2_Inhibitor: PRDM1 = TOP2A (Confidence: 1, TimeStep: 1)

PRDM1_3_Inhibitor: PRDM1 = DTL (Confidence: 1, TimeStep: 1)

PRDM1_4_Inhibitor: PRDM1 = !ID2 (Confidence: 1, TimeStep: 1)

PRDM1_5_Inhibitor: PRDM1 = MCM7 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PRPS2 with decay value = 1:

PRPS2_1_Activator: PRPS2 = !IFNGR1 (Confidence: 1, TimeStep: 1)

PRPS2_2_Activator: PRPS2 = !SERPINB9 (Confidence: 1, TimeStep: 1)

PRPS2_3_Activator: PRPS2 = CENPV (Confidence: 1, TimeStep: 1)

PRPS2_4_Activator: PRPS2 = !IRAK3 (Confidence: 1, TimeStep: 1)

PRPS2_5_Activator: PRPS2 = !LILRB2 (Confidence: 1, TimeStep: 1)

PRPS2_1_Inhibitor: PRPS2 = !BCAT1&RPS6KA2 (Confidence: 1, TimeStep: 1)

PRPS2_2_Inhibitor: PRPS2 = FGD2&IGH (Confidence: 1, TimeStep: 1)

PRPS2_3_Inhibitor: PRPS2 = FGD2&!PRPS2 (Confidence: 1, TimeStep: 1)

PRPS2_4_Inhibitor: PRPS2 = !BCAT1&BTNL9 (Confidence: 1, TimeStep: 1)

PRPS2_5_Inhibitor: PRPS2 = CCR1&!PRPS2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PRR11 with decay value = 1:

PRR11_1_Activator: PRR11 = APITD1-CORT (Confidence: 1, TimeStep: 1)

PRR11_2_Activator: PRR11 = ASF1B (Confidence: 1, TimeStep: 1)

PRR11_3_Activator: PRR11 = AURKA (Confidence: 1, TimeStep: 1)

PRR11_4_Activator: PRR11 = !BTG1 (Confidence: 1, TimeStep: 1)

PRR11_5_Activator: PRR11 = CCDC34 (Confidence: 1, TimeStep: 1)

PRR11_1_Inhibitor: PRR11 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

PRR11_2_Inhibitor: PRR11 = !ASF1B (Confidence: 1, TimeStep: 1)

PRR11_3_Inhibitor: PRR11 = !AURKA (Confidence: 1, TimeStep: 1)

PRR11_4_Inhibitor: PRR11 = BTG1 (Confidence: 1, TimeStep: 1)

PRR11_5_Inhibitor: PRR11 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PSPH with decay value = 1:

PSPH_1_Activator: PSPH = CKAP2L (Confidence: 1, TimeStep: 1)

PSPH_2_Activator: PSPH = KIF18B (Confidence: 1, TimeStep: 1)

PSPH_3_Activator: PSPH = UBE2T (Confidence: 1, TimeStep: 1)

PSPH_4_Activator: PSPH = ATAD2 (Confidence: 1, TimeStep: 1)

PSPH_5_Activator: PSPH = AURKB (Confidence: 1, TimeStep: 1)

PSPH_1_Inhibitor: PSPH = LGALS3 (Confidence: 1, TimeStep: 1)

PSPH_2_Inhibitor: PSPH = RAB31 (Confidence: 1, TimeStep: 1)

PSPH_3_Inhibitor: PSPH = !ANP32E&PPP1R16B (Confidence: 1, TimeStep: 1)

PSPH_4_Inhibitor: PSPH = !ASPM&!RCC1 (Confidence: 1, TimeStep: 1)

PSPH_5_Inhibitor: PSPH = !ATAD2&PPP1R16B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PTP4A1 with decay value = 1:

PTP4A1_1_Activator: PTP4A1 = KIF4A (Confidence: 1, TimeStep: 1)

PTP4A1_2_Activator: PTP4A1 = RFC3 (Confidence: 1, TimeStep: 1)

PTP4A1_3_Activator: PTP4A1 = FH (Confidence: 1, TimeStep: 1)

PTP4A1_4_Activator: PTP4A1 = CCNB1 (Confidence: 1, TimeStep: 1)

PTP4A1_5_Activator: PTP4A1 = CENPF (Confidence: 1, TimeStep: 1)

PTP4A1_1_Inhibitor: PTP4A1 = !TYMS (Confidence: 1, TimeStep: 1)

PTP4A1_2_Inhibitor: PTP4A1 = PPP1R16B (Confidence: 1, TimeStep: 1)

PTP4A1_3_Inhibitor: PTP4A1 = !PTP4A1 (Confidence: 1, TimeStep: 1)

PTP4A1_4_Inhibitor: PTP4A1 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)

PTP4A1_5_Inhibitor: PTP4A1 = LGALS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for PTTG1 with decay value = 1:

PTTG1_1_Activator: PTTG1 = APITD1-CORT (Confidence: 1, TimeStep: 1)

PTTG1_2_Activator: PTTG1 = ASF1B (Confidence: 1, TimeStep: 1)

PTTG1_3_Activator: PTTG1 = AURKA (Confidence: 1, TimeStep: 1)

PTTG1_4_Activator: PTTG1 = !BTG1 (Confidence: 1, TimeStep: 1)

PTTG1_5_Activator: PTTG1 = CCDC34 (Confidence: 1, TimeStep: 1)

PTTG1_1_Inhibitor: PTTG1 = !PTTG1 (Confidence: 1, TimeStep: 1)

PTTG1_2_Inhibitor: PTTG1 = NEAT1 (Confidence: 1, TimeStep: 1)

PTTG1_3_Inhibitor: PTTG1 = GIMAP7 (Confidence: 1, TimeStep: 1)

PTTG1_4_Inhibitor: PTTG1 = !MND1 (Confidence: 1, TimeStep: 1)

PTTG1_5_Inhibitor: PTTG1 = IRAK3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RAB31 with decay value = 1:

RAB31_1_Activator: RAB31 = CDC42EP3&!LEF1 (Confidence: 1, TimeStep: 1)

RAB31_2_Activator: RAB31 = CDC42EP3&ZBTB16 (Confidence: 1, TimeStep: 1)

RAB31_3_Activator: RAB31 = CELF2&LGALS3 (Confidence: 1, TimeStep: 1)

RAB31_4_Activator: RAB31 = !FABP5&ZBTB16 (Confidence: 1, TimeStep: 1)

RAB31_5_Activator: RAB31 = HBG1&!LEF1 (Confidence: 1, TimeStep: 1)

RAB31_1_Inhibitor: RAB31 = CRNDE (Confidence: 1, TimeStep: 1)

RAB31_2_Inhibitor: RAB31 = !KLF9 (Confidence: 1, TimeStep: 1)

RAB31_3_Inhibitor: RAB31 = RCC1 (Confidence: 1, TimeStep: 1)

RAB31_4_Inhibitor: RAB31 = !IFNGR1 (Confidence: 1, TimeStep: 1)

RAB31_5_Inhibitor: RAB31 = LOC100996643 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RAD51 with decay value = 1:

RAD51_1_Activator: RAD51 = BUB1B (Confidence: 1, TimeStep: 1)

RAD51_2_Activator: RAD51 = CENPN (Confidence: 1, TimeStep: 1)

RAD51_3_Activator: RAD51 = KIF15 (Confidence: 1, TimeStep: 1)

RAD51_4_Activator: RAD51 = MCM10 (Confidence: 1, TimeStep: 1)

RAD51_5_Activator: RAD51 = PLK4 (Confidence: 1, TimeStep: 1)

RAD51_1_Inhibitor: RAD51 = !BUB1B (Confidence: 1, TimeStep: 1)

RAD51_2_Inhibitor: RAD51 = !CENPN (Confidence: 1, TimeStep: 1)

RAD51_3_Inhibitor: RAD51 = !KIF15 (Confidence: 1, TimeStep: 1)

RAD51_4_Inhibitor: RAD51 = !MCM10 (Confidence: 1, TimeStep: 1)

RAD51_5_Inhibitor: RAD51 = !PLK4 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RAD51AP1 with decay value = 1:

RAD51AP1_1_Activator: RAD51AP1 = CKAP2L (Confidence: 1, TimeStep: 1)

RAD51AP1_2_Activator: RAD51AP1 = KIF18B (Confidence: 1, TimeStep: 1)

RAD51AP1_3_Activator: RAD51AP1 = UBE2T (Confidence: 1, TimeStep: 1)

RAD51AP1_4_Activator: RAD51AP1 = ATAD2 (Confidence: 1, TimeStep: 1)

RAD51AP1_5_Activator: RAD51AP1 = AURKB (Confidence: 1, TimeStep: 1)

RAD51AP1_1_Inhibitor: RAD51AP1 = !RAD51AP1 (Confidence: 1, TimeStep: 1)

RAD51AP1_2_Inhibitor: RAD51AP1 = !BYSL (Confidence: 1, TimeStep: 1)

RAD51AP1_3_Inhibitor: RAD51AP1 = !PAICS (Confidence: 1, TimeStep: 1)

RAD51AP1_4_Inhibitor: RAD51AP1 = !SELENOI (Confidence: 1, TimeStep: 1)

RAD51AP1_5_Inhibitor: RAD51AP1 = CCR1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RAG1 with decay value = 1:

RAG1_1_Activator: RAG1 = RAG1 (Confidence: 1, TimeStep: 1)

RAG1_2_Activator: RAG1 = ARPP21 (Confidence: 1, TimeStep: 1)

RAG1_3_Activator: RAG1 = IL1B (Confidence: 1, TimeStep: 1)

RAG1_4_Activator: RAG1 = KIF26A (Confidence: 1, TimeStep: 1)

RAG1_5_Activator: RAG1 = LOC285097 (Confidence: 1, TimeStep: 1)

RAG1_1_Inhibitor: RAG1 = !BRCA1&!RAG1 (Confidence: 1, TimeStep: 1)

RAG1_2_Inhibitor: RAG1 = !LOC100996643&!RAG1 (Confidence: 1, TimeStep: 1)

RAG1_3_Inhibitor: RAG1 = !AKAP12&!PAICS (Confidence: 1, TimeStep: 1)

RAG1_4_Inhibitor: RAG1 = !BYSL&!RAG1 (Confidence: 1, TimeStep: 1)

RAG1_5_Inhibitor: RAG1 = !C5orf24&!RAG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RAG2 with decay value = 1:

RAG2_1_Activator: RAG2 = !CELF2&RAG2 (Confidence: 1, TimeStep: 1)

RAG2_2_Activator: RAG2 = !CELF2&!IL27RA (Confidence: 1, TimeStep: 1)

RAG2_3_Activator: RAG2 = !FUS&!IL27RA (Confidence: 1, TimeStep: 1)

RAG2_4_Activator: RAG2 = ITGB2-AS1&!LOC100130872 (Confidence: 1, TimeStep: 1)

RAG2_5_Activator: RAG2 = C5orf24&!CCR1&RAG2 (Confidence: 1, TimeStep: 1)

RAG2_1_Inhibitor: RAG2 = !IGLL1 (Confidence: 1, TimeStep: 1)

RAG2_2_Inhibitor: RAG2 = LOC100130872 (Confidence: 1, TimeStep: 1)

RAG2_3_Inhibitor: RAG2 = IL27RA&!RAG2 (Confidence: 1, TimeStep: 1)

RAG2_4_Inhibitor: RAG2 = !BCAT1&RAG2 (Confidence: 1, TimeStep: 1)

RAG2_5_Inhibitor: RAG2 = !AKAP12&!BCAT1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RASSF4 with decay value = 1:

RASSF4_1_Activator: RASSF4 = F13A1 (Confidence: 1, TimeStep: 1)

RASSF4_2_Activator: RASSF4 = LGALS3 (Confidence: 1, TimeStep: 1)

RASSF4_3_Activator: RASSF4 = MNDA (Confidence: 1, TimeStep: 1)

RASSF4_4_Activator: RASSF4 = !CDT1&MIR8071-1 (Confidence: 1, TimeStep: 1)

RASSF4_5_Activator: RASSF4 = !CENPU&MIR8071-1 (Confidence: 1, TimeStep: 1)

RASSF4_1_Inhibitor: RASSF4 = BCL10 (Confidence: 1, TimeStep: 1)

RASSF4_2_Inhibitor: RASSF4 = CLEC2B&!MIR8071-1 (Confidence: 1, TimeStep: 1)

RASSF4_3_Inhibitor: RASSF4 = CRNDE&!TARSL2 (Confidence: 1, TimeStep: 2)

RASSF4_4_Inhibitor: RASSF4 = !CENPU&!MIR8071-1 (Confidence: 1, TimeStep: 2)

RASSF4_5_Inhibitor: RASSF4 = !BCL10&!MIR8071-1 (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for RBM14 with decay value = 1:

RBM14_1_Activator: RBM14 = UBE2C (Confidence: 1, TimeStep: 1)

RBM14_2_Activator: RBM14 = MCM5&NME1 (Confidence: 1, TimeStep: 1)

RBM14_3_Activator: RBM14 = CCDC86&MCM5 (Confidence: 1, TimeStep: 1)

RBM14_4_Activator: RBM14 = !CELF2&MCM5 (Confidence: 1, TimeStep: 1)

RBM14_5_Activator: RBM14 = CEP55&MCM5 (Confidence: 1, TimeStep: 1)

RBM14_1_Inhibitor: RBM14 = CDC42EP3 (Confidence: 1, TimeStep: 1)

RBM14_2_Inhibitor: RBM14 = !DHX9 (Confidence: 1, TimeStep: 1)

RBM14_3_Inhibitor: RBM14 = !PTP4A1 (Confidence: 1, TimeStep: 1)

RBM14_4_Inhibitor: RBM14 = !FABP5 (Confidence: 1, TimeStep: 1)

RBM14_5_Inhibitor: RBM14 = !HSP90AB1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RBMS3 with decay value = 1:

RBMS3_1_Activator: RBMS3 = !PRPS2&!S100A11 (Confidence: 1, TimeStep: 1)

RBMS3_2_Activator: RBMS3 = DDIT4&SNORD3B-1 (Confidence: 1, TimeStep: 1)

RBMS3_3_Activator: RBMS3 = !E2F7&TMEM100 (Confidence: 1, TimeStep: 1)

RBMS3_4_Activator: RBMS3 = LILRB2&TMEM100 (Confidence: 1, TimeStep: 1)

RBMS3_5_Activator: RBMS3 = MIR6845&TMEM100 (Confidence: 1, TimeStep: 1)

RBMS3_1_Inhibitor: RBMS3 = !GSN (Confidence: 1, TimeStep: 1)

RBMS3_2_Inhibitor: RBMS3 = CENPV (Confidence: 1, TimeStep: 1)

RBMS3_3_Inhibitor: RBMS3 = !LILRB2 (Confidence: 1, TimeStep: 1)

RBMS3_4_Inhibitor: RBMS3 = ECT2 (Confidence: 1, TimeStep: 1)

RBMS3_5_Inhibitor: RBMS3 = !ID3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RCC1 with decay value = 1:

RCC1_1_Activator: RCC1 = FOXM1 (Confidence: 1, TimeStep: 1)

RCC1_2_Activator: RCC1 = STIL (Confidence: 1, TimeStep: 1)

RCC1_3_Activator: RCC1 = ATAD2 (Confidence: 1, TimeStep: 1)

RCC1_4_Activator: RCC1 = BIRC5 (Confidence: 1, TimeStep: 1)

RCC1_5_Activator: RCC1 = BUB1 (Confidence: 1, TimeStep: 1)

RCC1_1_Inhibitor: RCC1 = IL18R1 (Confidence: 1, TimeStep: 1)

RCC1_2_Inhibitor: RCC1 = RPS6KA2 (Confidence: 1, TimeStep: 1)

RCC1_3_Inhibitor: RCC1 = PRDM1 (Confidence: 1, TimeStep: 1)

RCC1_4_Inhibitor: RCC1 = IL18RAP (Confidence: 1, TimeStep: 1)

RCC1_5_Inhibitor: RCC1 = LGALS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RFC3 with decay value = 1:

RFC3_1_Activator: RFC3 = CENPH (Confidence: 1, TimeStep: 1)

RFC3_2_Activator: RFC3 = APITD1-CORT (Confidence: 1, TimeStep: 1)

RFC3_3_Activator: RFC3 = ASF1B (Confidence: 1, TimeStep: 1)

RFC3_4_Activator: RFC3 = AURKA (Confidence: 1, TimeStep: 1)

RFC3_5_Activator: RFC3 = !BTG1 (Confidence: 1, TimeStep: 1)

RFC3_1_Inhibitor: RFC3 = !FH (Confidence: 1, TimeStep: 1)

RFC3_2_Inhibitor: RFC3 = !NUSAP1 (Confidence: 1, TimeStep: 1)

RFC3_3_Inhibitor: RFC3 = !RFC3 (Confidence: 1, TimeStep: 1)

RFC3_4_Inhibitor: RFC3 = !NUF2 (Confidence: 1, TimeStep: 1)

RFC3_5_Inhibitor: RFC3 = !KIF11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RHOBTB3 with decay value = 1:

RHOBTB3_1_Activator: RHOBTB3 = DEPDC1B (Confidence: 1, TimeStep: 1)

RHOBTB3_2_Activator: RHOBTB3 = PTTG1 (Confidence: 1, TimeStep: 1)

RHOBTB3_3_Activator: RHOBTB3 = !TXNIP (Confidence: 1, TimeStep: 1)

RHOBTB3_4_Activator: RHOBTB3 = AURKB (Confidence: 1, TimeStep: 1)

RHOBTB3_5_Activator: RHOBTB3 = CKAP2 (Confidence: 1, TimeStep: 1)

RHOBTB3_1_Inhibitor: RHOBTB3 = !BCAT1&EMP1 (Confidence: 1, TimeStep: 1)

RHOBTB3_2_Inhibitor: RHOBTB3 = B3GNT2&F13A1 (Confidence: 1, TimeStep: 1)

RHOBTB3_3_Inhibitor: RHOBTB3 = !CCR1&F13A1 (Confidence: 1, TimeStep: 1)

RHOBTB3_4_Inhibitor: RHOBTB3 = BCAT1&F13A1 (Confidence: 1, TimeStep: 1)

RHOBTB3_5_Inhibitor: RHOBTB3 = !AURKB&EMP1&!RHOBTB3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RMI2 with decay value = 1:

RMI2_1_Activator: RMI2 = DFNA5&!P2RX5 (Confidence: 1, TimeStep: 1)

RMI2_2_Activator: RMI2 = E2F8&!P2RX5 (Confidence: 1, TimeStep: 1)

RMI2_3_Activator: RMI2 = CENPV&!P2RX5 (Confidence: 1, TimeStep: 1)

RMI2_4_Activator: RMI2 = !LILRB2&!P2RX5 (Confidence: 1, TimeStep: 1)

RMI2_5_Activator: RMI2 = !CD53&!P2RX5 (Confidence: 1, TimeStep: 1)

RMI2_1_Inhibitor: RMI2 = !FABP5 (Confidence: 1, TimeStep: 1)

RMI2_2_Inhibitor: RMI2 = IL18RAP (Confidence: 1, TimeStep: 1)

RMI2_3_Inhibitor: RMI2 = LGALS3 (Confidence: 1, TimeStep: 1)

RMI2_4_Inhibitor: RMI2 = RAB31 (Confidence: 1, TimeStep: 1)

RMI2_5_Inhibitor: RMI2 = !DFNA5&!DTL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RNASET2 with decay value = 1:

RNASET2_1_Activator: RNASET2 = LILRB2 (Confidence: 1, TimeStep: 1)

RNASET2_2_Activator: RNASET2 = RNASET2 (Confidence: 1, TimeStep: 1)

RNASET2_3_Activator: RNASET2 = !CENPV (Confidence: 1, TimeStep: 1)

RNASET2_4_Activator: RNASET2 = IRAK3 (Confidence: 1, TimeStep: 1)

RNASET2_5_Activator: RNASET2 = GSN (Confidence: 1, TimeStep: 1)

RNASET2_1_Inhibitor: RNASET2 = UBE2C (Confidence: 1, TimeStep: 1)

RNASET2_2_Inhibitor: RNASET2 = !CD53&!KIF26A (Confidence: 1, TimeStep: 1)

RNASET2_3_Inhibitor: RNASET2 = DFNA5&!GSN (Confidence: 1, TimeStep: 1)

RNASET2_4_Inhibitor: RNASET2 = DFNA5&!KIF26A (Confidence: 1, TimeStep: 1)

RNASET2_5_Inhibitor: RNASET2 = DTL&!GSN (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RPS6KA2 with decay value = 1:

RPS6KA2_1_Activator: RPS6KA2 = RPS6KA2 (Confidence: 1, TimeStep: 1)

RPS6KA2_2_Activator: RPS6KA2 = AKAP12&RBMS3 (Confidence: 1, TimeStep: 1)

RPS6KA2_3_Activator: RPS6KA2 = ID3&!PRPS2 (Confidence: 1, TimeStep: 1)

RPS6KA2_4_Activator: RPS6KA2 = RBMS3&SERPINB9 (Confidence: 1, TimeStep: 1)

RPS6KA2_5_Activator: RPS6KA2 = AKAP12&!PRPS2 (Confidence: 1, TimeStep: 1)

RPS6KA2_1_Inhibitor: RPS6KA2 = !AKAP12&!PFKFB2 (Confidence: 1, TimeStep: 1)

RPS6KA2_2_Inhibitor: RPS6KA2 = !GSN&!PFKFB2 (Confidence: 1, TimeStep: 1)

RPS6KA2_3_Inhibitor: RPS6KA2 = !MSH6&!PFKFB2 (Confidence: 1, TimeStep: 1)

RPS6KA2_4_Inhibitor: RPS6KA2 = !LOC285097&S100A11 (Confidence: 1, TimeStep: 1)

RPS6KA2_5_Inhibitor: RPS6KA2 = !PFKFB2&S100A11 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for RRM2 with decay value = 1:

RRM2_1_Activator: RRM2 = CKAP2L (Confidence: 1, TimeStep: 1)

RRM2_2_Activator: RRM2 = KIF18B (Confidence: 1, TimeStep: 1)

RRM2_3_Activator: RRM2 = UBE2T (Confidence: 1, TimeStep: 1)

RRM2_4_Activator: RRM2 = ATAD2 (Confidence: 1, TimeStep: 1)

RRM2_5_Activator: RRM2 = AURKB (Confidence: 1, TimeStep: 1)

RRM2_1_Inhibitor: RRM2 = !RRM2 (Confidence: 1, TimeStep: 1)

RRM2_2_Inhibitor: RRM2 = !CENPW (Confidence: 1, TimeStep: 1)

RRM2_3_Inhibitor: RRM2 = !TCF19 (Confidence: 1, TimeStep: 1)

RRM2_4_Inhibitor: RRM2 = !WDR76 (Confidence: 1, TimeStep: 1)

RRM2_5_Inhibitor: RRM2 = !TK1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for S100A11 with decay value = 1:

S100A11_1_Activator: S100A11 = !WASF1 (Confidence: 1, TimeStep: 1)
 S100A11_2_Activator: S100A11 = LILRA1 (Confidence: 1, TimeStep: 1)
 S100A11_3_Activator: S100A11 = UBE2C (Confidence: 1, TimeStep: 1)
 S100A11_4_Activator: S100A11 = FCER1G&!POU4F1 (Confidence: 1, TimeStep: 1)
 S100A11_5_Activator: S100A11 = SLA&TUBA4A (Confidence: 1, TimeStep: 1)
 S100A11_1_Inhibitor: S100A11 = !KIF26A&MSH6 (Confidence: 1, TimeStep: 1)
 S100A11_2_Inhibitor: S100A11 = !HRK&MSH6 (Confidence: 1, TimeStep: 1)
 S100A11_3_Inhibitor: S100A11 = !IL1B&MSH6 (Confidence: 1, TimeStep: 1)
 S100A11_4_Inhibitor: S100A11 = !SIK1&!SLA (Confidence: 1, TimeStep: 1)
 S100A11_5_Inhibitor: S100A11 = !HRK&!SNX10 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for S100A8 with decay value = 1:

S100A8_1_Activator: S100A8 = F13A1 (Confidence: 1, TimeStep: 1)
 S100A8_2_Activator: S100A8 = !BCAT1&!KIF11 (Confidence: 1, TimeStep: 1)
 S100A8_3_Activator: S100A8 = !BCAT1&S100A8 (Confidence: 1, TimeStep: 1)
 S100A8_4_Activator: S100A8 = !BCAT1&LYZ (Confidence: 1, TimeStep: 1)
 S100A8_5_Activator: S100A8 = !CCNB1&IGH (Confidence: 1, TimeStep: 1)
 S100A8_1_Inhibitor: S100A8 = TMEM97 (Confidence: 1, TimeStep: 1)
 S100A8_2_Inhibitor: S100A8 = WDHD1 (Confidence: 1, TimeStep: 1)
 S100A8_3_Inhibitor: S100A8 = CENPH (Confidence: 1, TimeStep: 1)
 S100A8_4_Inhibitor: S100A8 = APITD1-CORT (Confidence: 1, TimeStep: 1)
 S100A8_5_Inhibitor: S100A8 = ASF1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SCML4 with decay value = 1:

SCML4_1_Activator: SCML4 = F13A1 (Confidence: 1, TimeStep: 1)
 SCML4_2_Activator: SCML4 = MNDA (Confidence: 1, TimeStep: 1)
 SCML4_3_Activator: SCML4 = !BRIP1&SCML4 (Confidence: 1, TimeStep: 1)
 SCML4_4_Activator: SCML4 = !BUB1B&SCML4 (Confidence: 1, TimeStep: 1)
 SCML4_5_Activator: SCML4 = !C4orf46&SCML4 (Confidence: 1, TimeStep: 1)
 SCML4_1_Inhibitor: SCML4 = ECT2 (Confidence: 1, TimeStep: 1)
 SCML4_2_Inhibitor: SCML4 = FOXM1 (Confidence: 1, TimeStep: 1)
 SCML4_3_Inhibitor: SCML4 = STIL (Confidence: 1, TimeStep: 1)
 SCML4_4_Inhibitor: SCML4 = ATAD2 (Confidence: 1, TimeStep: 1)
 SCML4_5_Inhibitor: SCML4 = BIRC5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SELENOI with decay value = 1:

SELENOI_1_Activator: SELENOI = !TXNIP (Confidence: 1, TimeStep: 1)
 SELENOI_2_Activator: SELENOI = CENPH (Confidence: 1, TimeStep: 1)
 SELENOI_3_Activator: SELENOI = CKAP2 (Confidence: 1, TimeStep: 1)
 SELENOI_4_Activator: SELENOI = APITD1-CORT (Confidence: 1, TimeStep: 1)
 SELENOI_5_Activator: SELENOI = ASF1B (Confidence: 1, TimeStep: 1)
 SELENOI_1_Inhibitor: SELENOI = !LOC100996643 (Confidence: 1, TimeStep: 1)
 SELENOI_2_Inhibitor: SELENOI = !RAD51AP1 (Confidence: 1, TimeStep: 1)
 SELENOI_3_Inhibitor: SELENOI = !BYSL (Confidence: 1, TimeStep: 1)
 SELENOI_4_Inhibitor: SELENOI = !SELENOI (Confidence: 1, TimeStep: 1)
 SELENOI_5_Inhibitor: SELENOI = FGD2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SEMA4D with decay value = 1:

SEMA4D_1_Activator: SEMA4D = SEMA4D (Confidence: 1, TimeStep: 1)

SEMA4D_2_Activator: SEMA4D = !B3GNT2&FGR (Confidence: 1, TimeStep: 1)
SEMA4D_3_Activator: SEMA4D = !C5orf24&!PTP4A1 (Confidence: 1, TimeStep: 1)
SEMA4D_4_Activator: SEMA4D = !DHX9&TNFSF8 (Confidence: 1, TimeStep: 1)
SEMA4D_5_Activator: SEMA4D = !FABP5&SLA (Confidence: 1, TimeStep: 1)
SEMA4D_1_Inhibitor: SEMA4D = !BIRC3&!HBG1 (Confidence: 1, TimeStep: 1)
SEMA4D_2_Inhibitor: SEMA4D = ABHD17B&ASPM (Confidence: 1, TimeStep: 1)
SEMA4D_3_Inhibitor: SEMA4D = RBM14&!TNFSF8 (Confidence: 1, TimeStep: 1)
SEMA4D_4_Inhibitor: SEMA4D = ABHD17B&KIF11 (Confidence: 1, TimeStep: 1)
SEMA4D_5_Inhibitor: SEMA4D = !BIRC3&PAICS (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SERPINA1 with decay value = 1:

SERPINA1_1_Activator: SERPINA1 = PPBP (Confidence: 1, TimeStep: 1)
SERPINA1_2_Activator: SERPINA1 = FGL2 (Confidence: 1, TimeStep: 1)
SERPINA1_3_Activator: SERPINA1 = !CCDC86&!PRPS2 (Confidence: 1, TimeStep: 1)
SERPINA1_4_Activator: SERPINA1 = !CCDC86&SERPINA1 (Confidence: 1, TimeStep: 1)
SERPINA1_5_Activator: SERPINA1 = !E2F7&FCGR3B (Confidence: 1, TimeStep: 1)
SERPINA1_1_Inhibitor: SERPINA1 = APITD1-CORT (Confidence: 1, TimeStep: 1)
SERPINA1_2_Inhibitor: SERPINA1 = ASF1B (Confidence: 1, TimeStep: 1)
SERPINA1_3_Inhibitor: SERPINA1 = AURKA (Confidence: 1, TimeStep: 1)
SERPINA1_4_Inhibitor: SERPINA1 = !BTG1 (Confidence: 1, TimeStep: 1)
SERPINA1_5_Inhibitor: SERPINA1 = CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SERPINB9 with decay value = 1:

SERPINB9_1_Activator: SERPINB9 = SERPINB9 (Confidence: 1, TimeStep: 1)
SERPINB9_2_Activator: SERPINB9 = ITGAM (Confidence: 1, TimeStep: 1)
SERPINB9_3_Activator: SERPINB9 = CCR1 (Confidence: 1, TimeStep: 1)
SERPINB9_4_Activator: SERPINB9 = RPS6KA2 (Confidence: 1, TimeStep: 1)
SERPINB9_5_Activator: SERPINB9 = F13A1 (Confidence: 1, TimeStep: 1)
SERPINB9_1_Inhibitor: SERPINB9 = !LILRB2 (Confidence: 1, TimeStep: 1)
SERPINB9_2_Inhibitor: SERPINB9 = E2F7 (Confidence: 1, TimeStep: 1)
SERPINB9_3_Inhibitor: SERPINB9 = !SMAP2 (Confidence: 1, TimeStep: 1)
SERPINB9_4_Inhibitor: SERPINB9 = !TMEM2 (Confidence: 1, TimeStep: 1)
SERPINB9_5_Inhibitor: SERPINB9 = ANP32E (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SESN1 with decay value = 1:

SESN1_1_Activator: SESN1 = PPBP (Confidence: 1, TimeStep: 1)
SESN1_2_Activator: SESN1 = !CDC20&!LOC100505650 (Confidence: 1, TimeStep: 1)
SESN1_3_Activator: SESN1 = !ASPM&!ECT2 (Confidence: 1, TimeStep: 1)
SESN1_4_Activator: SESN1 = !ASPM&METTL7A (Confidence: 1, TimeStep: 1)
SESN1_5_Activator: SESN1 = !ASPM&!CENPK (Confidence: 1, TimeStep: 1)
SESN1_1_Inhibitor: SESN1 = CDT1&!FKBP5 (Confidence: 1, TimeStep: 1)
SESN1_2_Inhibitor: SESN1 = CRNDE&TENM4 (Confidence: 1, TimeStep: 1)
SESN1_3_Inhibitor: SESN1 = !DDIT4&LOC100505650 (Confidence: 1, TimeStep: 1)
SESN1_4_Inhibitor: SESN1 = !CCNB1&ECT2 (Confidence: 1, TimeStep: 1)
SESN1_5_Inhibitor: SESN1 = !CCNB1&METTL7A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SHCBP1 with decay value = 1:

SHCBP1_1_Activator: SHCBP1 = CDK1 (Confidence: 1, TimeStep: 1)
SHCBP1_2_Activator: SHCBP1 = HMMR (Confidence: 1, TimeStep: 1)

SHCBP1_3_Activator: SHCBP1 = KIF14 (Confidence: 1, TimeStep: 1)
SHCBP1_4_Activator: SHCBP1 = KIF20A (Confidence: 1, TimeStep: 1)
SHCBP1_5_Activator: SHCBP1 = POLQ (Confidence: 1, TimeStep: 1)
SHCBP1_1_Inhibitor: SHCBP1 = !CDK1 (Confidence: 1, TimeStep: 1)
SHCBP1_2_Inhibitor: SHCBP1 = !HMMR (Confidence: 1, TimeStep: 1)
SHCBP1_3_Inhibitor: SHCBP1 = !KIF14 (Confidence: 1, TimeStep: 1)
SHCBP1_4_Inhibitor: SHCBP1 = !KIF20A (Confidence: 1, TimeStep: 1)
SHCBP1_5_Inhibitor: SHCBP1 = !POLQ (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SIK1 with decay value = 1:

SIK1_1_Activator: SIK1 = KIF26A (Confidence: 1, TimeStep: 1)
SIK1_2_Activator: SIK1 = MIR4683 (Confidence: 1, TimeStep: 1)
SIK1_3_Activator: SIK1 = CPM (Confidence: 1, TimeStep: 1)
SIK1_4_Activator: SIK1 = POU4F1 (Confidence: 1, TimeStep: 1)
SIK1_5_Activator: SIK1 = RPS6KA2 (Confidence: 1, TimeStep: 1)
SIK1_1_Inhibitor: SIK1 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
SIK1_2_Inhibitor: SIK1 = LOC100130872 (Confidence: 1, TimeStep: 1)
SIK1_3_Inhibitor: SIK1 = !METTL7A (Confidence: 1, TimeStep: 1)
SIK1_4_Inhibitor: SIK1 = SEMA4D (Confidence: 1, TimeStep: 1)
SIK1_5_Inhibitor: SIK1 = !WASF1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SKP2 with decay value = 1:

SKP2_1_Activator: SKP2 = APITD1-CORT (Confidence: 1, TimeStep: 1)
SKP2_2_Activator: SKP2 = ASF1B (Confidence: 1, TimeStep: 1)
SKP2_3_Activator: SKP2 = AURKA (Confidence: 1, TimeStep: 1)
SKP2_4_Activator: SKP2 = !BTG1 (Confidence: 1, TimeStep: 1)
SKP2_5_Activator: SKP2 = CCDC34 (Confidence: 1, TimeStep: 1)
SKP2_1_Inhibitor: SKP2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
SKP2_2_Inhibitor: SKP2 = !ASF1B (Confidence: 1, TimeStep: 1)
SKP2_3_Inhibitor: SKP2 = !AURKA (Confidence: 1, TimeStep: 1)
SKP2_4_Inhibitor: SKP2 = BTG1 (Confidence: 1, TimeStep: 1)
SKP2_5_Inhibitor: SKP2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SLA with decay value = 1:

SLA_1_Activator: SLA = !AKAP12 (Confidence: 1, TimeStep: 1)
SLA_2_Activator: SLA = !MSH6 (Confidence: 1, TimeStep: 1)
SLA_3_Activator: SLA = ITPKB (Confidence: 1, TimeStep: 1)
SLA_4_Activator: SLA = S100A11 (Confidence: 1, TimeStep: 1)
SLA_5_Activator: SLA = TNFSF8 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SLC22A23 with decay value = 1:

SLC22A23_1_Activator: SLC22A23 = UBE2C (Confidence: 1, TimeStep: 1)
SLC22A23_2_Activator: SLC22A23 = !SCML4&WFS1 (Confidence: 1, TimeStep: 1)
SLC22A23_3_Activator: SLC22A23 = !FCER1G&SLC22A23 (Confidence: 1, TimeStep: 1)
SLC22A23_4_Activator: SLC22A23 = !FCGR3B&SLC22A23 (Confidence: 1, TimeStep: 1)
SLC22A23_5_Activator: SLC22A23 = !FGD2&SLC22A23 (Confidence: 1, TimeStep: 1)
SLC22A23_1_Inhibitor: SLC22A23 = !CENPK&FGD2 (Confidence: 1, TimeStep: 1)
SLC22A23_2_Inhibitor: SLC22A23 = TMEM2&!WFS1 (Confidence: 1, TimeStep: 1)
SLC22A23_3_Inhibitor: SLC22A23 = !MIR8071-1&SERPINA1 (Confidence: 1, TimeStep: 1)

SLC22A23_4_Inhibitor: SLC22A23 = !SCML4&SERPINA1 (Confidence: 1, TimeStep: 1)

SLC22A23_5_Inhibitor: SLC22A23 = ECT2&MS4A1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SMAP2 with decay value = 1:

SMAP2_1_Activator: SMAP2 = !CENPU (Confidence: 1, TimeStep: 1)

SMAP2_2_Activator: SMAP2 = !HIST4H4 (Confidence: 1, TimeStep: 1)

SMAP2_3_Activator: SMAP2 = !CKS1B (Confidence: 1, TimeStep: 1)

SMAP2_4_Activator: SMAP2 = GIMAP4 (Confidence: 1, TimeStep: 1)

SMAP2_5_Activator: SMAP2 = LILRB2 (Confidence: 1, TimeStep: 1)

SMAP2_1_Inhibitor: SMAP2 = HIST4H4&!IFNGR1 (Confidence: 1, TimeStep: 1)

SMAP2_2_Inhibitor: SMAP2 = HIST4H4&!LILRB2 (Confidence: 1, TimeStep: 1)

SMAP2_3_Inhibitor: SMAP2 = HIST4H4&!MIR4683 (Confidence: 1, TimeStep: 1)

SMAP2_4_Inhibitor: SMAP2 = HIST4H4&!RNASET2 (Confidence: 1, TimeStep: 1)

SMAP2_5_Inhibitor: SMAP2 = ANP32E&HIST4H4 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SMC2 with decay value = 1:

SMC2_1_Activator: SMC2 = CENPH (Confidence: 1, TimeStep: 1)

SMC2_2_Activator: SMC2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

SMC2_3_Activator: SMC2 = ASF1B (Confidence: 1, TimeStep: 1)

SMC2_4_Activator: SMC2 = AURKA (Confidence: 1, TimeStep: 1)

SMC2_5_Activator: SMC2 = !BTG1 (Confidence: 1, TimeStep: 1)

SMC2_1_Inhibitor: SMC2 = !CENPH (Confidence: 1, TimeStep: 1)

SMC2_2_Inhibitor: SMC2 = !CDK1 (Confidence: 1, TimeStep: 1)

SMC2_3_Inhibitor: SMC2 = !HMMR (Confidence: 1, TimeStep: 1)

SMC2_4_Inhibitor: SMC2 = !KIF14 (Confidence: 1, TimeStep: 1)

SMC2_5_Inhibitor: SMC2 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SMIM3 with decay value = 1:

SMIM3_1_Activator: SMIM3 = GSN (Confidence: 1, TimeStep: 1)

SMIM3_2_Activator: SMIM3 = P2RY14 (Confidence: 1, TimeStep: 1)

SMIM3_3_Activator: SMIM3 = DDIT4 (Confidence: 1, TimeStep: 1)

SMIM3_4_Activator: SMIM3 = TBXA2R (Confidence: 1, TimeStep: 1)

SMIM3_5_Activator: SMIM3 = MIR4683 (Confidence: 1, TimeStep: 1)

SMIM3_1_Inhibitor: SMIM3 = BMF&E2F7 (Confidence: 1, TimeStep: 1)

SMIM3_2_Inhibitor: SMIM3 = !CENPU&DEPDC1B (Confidence: 1, TimeStep: 1)

SMIM3_3_Inhibitor: SMIM3 = !CEP55&DEPDC1B (Confidence: 1, TimeStep: 1)

SMIM3_4_Inhibitor: SMIM3 = !DEPDC1B&FOXM1 (Confidence: 1, TimeStep: 1)

SMIM3_5_Inhibitor: SMIM3 = !DEPDC1B&STIL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SNORA21 with decay value = 1:

SNORA21_1_Activator: SNORA21 = ELL2&!NEAT1 (Confidence: 1, TimeStep: 1)

SNORA21_2_Activator: SNORA21 = !CDC42EP3&LOC728175 (Confidence: 1, TimeStep: 1)

SNORA21_3_Activator: SNORA21 = ELL2&FH (Confidence: 1, TimeStep: 1)

SNORA21_4_Activator: SNORA21 = ELL2&PTTG1 (Confidence: 1, TimeStep: 1)

SNORA21_5_Activator: SNORA21 = ELL2&RFC3 (Confidence: 1, TimeStep: 1)

SNORA21_1_Inhibitor: SNORA21 = !CRNDE (Confidence: 1, TimeStep: 1)

SNORA21_2_Inhibitor: SNORA21 = CDC42EP3 (Confidence: 1, TimeStep: 1)

SNORA21_3_Inhibitor: SNORA21 = !CDC20&IRAK3 (Confidence: 1, TimeStep: 1)

SNORA21_4_Inhibitor: SNORA21 = IRAK3&!KIF4A (Confidence: 1, TimeStep: 1)

SNORA21_5_Inhibitor: SNORA21 = IRAK3&!SHCBP1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SNORD3B-1 with decay value = 1:

SNORD3B-1_1_Inhibitor: SNORD3B-1 = !RNASET2 (Confidence: 1, TimeStep: 1)

SNORD3B-1_2_Inhibitor: SNORD3B-1 = !CD53 (Confidence: 1, TimeStep: 1)

SNORD3B-1_3_Inhibitor: SNORD3B-1 = !P2RX5&!SNORD3B-1 (Confidence: 1, TimeStep: 1)

SNORD3B-1_4_Inhibitor: SNORD3B-1 = !P2RX5&!P2RY14 (Confidence: 1, TimeStep: 1)

SNORD3B-1_5_Inhibitor: SNORD3B-1 = !P2RX5&!TBXA2R (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SNTB2 with decay value = 1:

SNTB2_1_Activator: SNTB2 = !EMP1&SNTB2 (Confidence: 1, TimeStep: 1)

SNTB2_2_Activator: SNTB2 = !DDIT4&SNTB2 (Confidence: 1, TimeStep: 1)

SNTB2_3_Activator: SNTB2 = !P2RY14&SNTB2 (Confidence: 1, TimeStep: 1)

SNTB2_4_Activator: SNTB2 = CDK6&TCF19 (Confidence: 1, TimeStep: 1)

SNTB2_5_Activator: SNTB2 = KCNK12&!RBMS3 (Confidence: 1, TimeStep: 1)

SNTB2_1_Inhibitor: SNTB2 = !DDIT4&!HBB (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for SNX10 with decay value = 1:

SNX10_1_Activator: SNX10 = !BIRC3&SNX10 (Confidence: 1, TimeStep: 1)

SNX10_2_Activator: SNX10 = !BIRC3&!RCC1 (Confidence: 1, TimeStep: 1)

SNX10_3_Activator: SNX10 = MYRIP&!PRPS2 (Confidence: 1, TimeStep: 1)

SNX10_4_Activator: SNX10 = MYRIP&!RCC1 (Confidence: 1, TimeStep: 1)

SNX10_5_Activator: SNX10 = MYRIP&SNX10 (Confidence: 1, TimeStep: 1)

SNX10_1_Inhibitor: SNX10 = RCC1&!SNX10 (Confidence: 1, TimeStep: 1)

SNX10_2_Inhibitor: SNX10 = !ITPKB&LOC728175 (Confidence: 1, TimeStep: 1)

SNX10_3_Inhibitor: SNX10 = ARRDC3&!ZFP36L2 (Confidence: 1, TimeStep: 1)

SNX10_4_Inhibitor: SNX10 = !TARSL2&!ZFP36L2 (Confidence: 1, TimeStep: 1)

SNX10_5_Inhibitor: SNX10 = SNX10&!ZFP36L2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SNX29P2 with decay value = 1:

SNX29P2_1_Activator: SNX29P2 = DDIT4&KLF9 (Confidence: 1, TimeStep: 1)

SNX29P2_2_Activator: SNX29P2 = DDIT4&!RMI2 (Confidence: 1, TimeStep: 1)

SNX29P2_3_Activator: SNX29P2 = FABP5&!IGLL1 (Confidence: 1, TimeStep: 1)

SNX29P2_4_Activator: SNX29P2 = FABP5&SNX29P2 (Confidence: 1, TimeStep: 1)

SNX29P2_5_Activator: SNX29P2 = !HBG1&SNX29P2 (Confidence: 1, TimeStep: 1)

SNX29P2_1_Inhibitor: SNX29P2 = !KLF9&SHCBP1 (Confidence: 1, TimeStep: 1)

SNX29P2_2_Inhibitor: SNX29P2 = !KLF9&RFC3 (Confidence: 1, TimeStep: 1)

SNX29P2_3_Inhibitor: SNX29P2 = !CKAP2&KIF4A (Confidence: 1, TimeStep: 1)

SNX29P2_4_Inhibitor: SNX29P2 = !AURKB&KIF4A (Confidence: 1, TimeStep: 1)

SNX29P2_5_Inhibitor: SNX29P2 = BIRC3&DEPDC1B (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SOCS1 with decay value = 1:

SOCS1_1_Activator: SOCS1 = PPBP (Confidence: 1, TimeStep: 1)

SOCS1_2_Activator: SOCS1 = FGL2 (Confidence: 1, TimeStep: 1)

SOCS1_3_Activator: SOCS1 = MNDA (Confidence: 1, TimeStep: 1)

SOCS1_1_Inhibitor: SOCS1 = !SOCS1&!TXNIP (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SOS1 with decay value = 1:

SOS1_1_Activator: SOS1 = GBP4 (Confidence: 1, TimeStep: 1)

SOS1_2_Activator: SOS1 = LILRB2 (Confidence: 1, TimeStep: 1)

SOS1_3_Activator: SOS1 = !CENPV (Confidence: 1, TimeStep: 1)

SOS1_4_Activator: SOS1 = IRAK3 (Confidence: 1, TimeStep: 1)

SOS1_5_Activator: SOS1 = DENND3 (Confidence: 1, TimeStep: 1)

SOS1_1_Inhibitor: SOS1 = UBE2C (Confidence: 1, TimeStep: 1)

SOS1_2_Inhibitor: SOS1 = BCL2L1&!LY96 (Confidence: 1, TimeStep: 1)

SOS1_3_Inhibitor: SOS1 = CENPV&!LY96 (Confidence: 1, TimeStep: 1)

SOS1_4_Inhibitor: SOS1 = DEPDC1B&!LY96 (Confidence: 1, TimeStep: 1)

SOS1_5_Inhibitor: SOS1 = !GBP4&!LY96 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SQLE with decay value = 1:

SQLE_1_Activator: SQLE = CCNB2 (Confidence: 1, TimeStep: 1)

SQLE_2_Activator: SQLE = CDC45 (Confidence: 1, TimeStep: 1)

SQLE_3_Activator: SQLE = CENPA (Confidence: 1, TimeStep: 1)

SQLE_4_Activator: SQLE = DLGAP5 (Confidence: 1, TimeStep: 1)

SQLE_5_Activator: SQLE = MAD2L1 (Confidence: 1, TimeStep: 1)

SQLE_1_Inhibitor: SQLE = !BYSL (Confidence: 1, TimeStep: 1)

SQLE_2_Inhibitor: SQLE = P2RY14 (Confidence: 1, TimeStep: 1)

SQLE_3_Inhibitor: SQLE = !PAICS (Confidence: 1, TimeStep: 1)

SQLE_4_Inhibitor: SQLE = TBXA2R (Confidence: 1, TimeStep: 1)

SQLE_5_Inhibitor: SQLE = !TNFRSF21 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for STAB1 with decay value = 1:

STAB1_1_Activator: STAB1 = EPPK1 (Confidence: 1, TimeStep: 1)

STAB1_2_Activator: STAB1 = CDC42EP3&TBXA2R (Confidence: 1, TimeStep: 1)

STAB1_3_Activator: STAB1 = CDC42EP3&TARSL2 (Confidence: 1, TimeStep: 1)

STAB1_4_Activator: STAB1 = CRNDE&STAB1 (Confidence: 1, TimeStep: 1)

STAB1_5_Activator: STAB1 = !CLEC2B&MNDA (Confidence: 1, TimeStep: 1)

STAB1_1_Inhibitor: STAB1 = CRNDE&!WFS1 (Confidence: 1, TimeStep: 1)

STAB1_2_Inhibitor: STAB1 = !C4orf46&!IRAK3 (Confidence: 1, TimeStep: 1)

STAB1_3_Inhibitor: STAB1 = !CKS1B&!IRAK3 (Confidence: 1, TimeStep: 1)

STAB1_4_Inhibitor: STAB1 = !C4orf46&!LILRB2 (Confidence: 1, TimeStep: 1)

STAB1_5_Inhibitor: STAB1 = !C4orf46&!RNASET2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for STIL with decay value = 1:

STIL_1_Activator: STIL = !BMF&MDK (Confidence: 1, TimeStep: 1)

STIL_2_Activator: STIL = CENPV&MDK (Confidence: 1, TimeStep: 1)

STIL_3_Activator: STIL = !IFNGR1&MDK (Confidence: 1, TimeStep: 1)

STIL_4_Activator: STIL = !IL1B&MDK (Confidence: 1, TimeStep: 1)

STIL_5_Activator: STIL = !IRAK3&MDK (Confidence: 1, TimeStep: 1)

STIL_1_Inhibitor: STIL = !ATAD2 (Confidence: 1, TimeStep: 1)

STIL_2_Inhibitor: STIL = !BIRC5 (Confidence: 1, TimeStep: 1)

STIL_3_Inhibitor: STIL = !BUB1 (Confidence: 1, TimeStep: 1)

STIL_4_Inhibitor: STIL = !CCNA2 (Confidence: 1, TimeStep: 1)

STIL_5_Inhibitor: STIL = !CDCA5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for SUV39H2 with decay value = 1:

SUV39H2_1_Activator: SUV39H2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

SUV39H2_2_Activator: SUV39H2 = ASF1B (Confidence: 1, TimeStep: 1)

SUV39H2_3_Activator: SUV39H2 = AURKA (Confidence: 1, TimeStep: 1)

SUV39H2_4_Activator: SUV39H2 = !BTG1 (Confidence: 1, TimeStep: 1)

SUV39H2_5_Activator: SUV39H2 = CCDC34 (Confidence: 1, TimeStep: 1)
SUV39H2_1_Inhibitor: SUV39H2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)
SUV39H2_2_Inhibitor: SUV39H2 = !ASF1B (Confidence: 1, TimeStep: 1)
SUV39H2_3_Inhibitor: SUV39H2 = !AURKA (Confidence: 1, TimeStep: 1)
SUV39H2_4_Inhibitor: SUV39H2 = BTG1 (Confidence: 1, TimeStep: 1)
SUV39H2_5_Inhibitor: SUV39H2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TARSL2 with decay value = 1:

TARSL2_1_Activator: TARSL2 = TBXA2R (Confidence: 1, TimeStep: 1)
TARSL2_2_Activator: TARSL2 = STAB1 (Confidence: 1, TimeStep: 1)
TARSL2_3_Activator: TARSL2 = F13A1 (Confidence: 1, TimeStep: 1)
TARSL2_4_Activator: TARSL2 = !BRIP1&TARSL2 (Confidence: 1, TimeStep: 1)
TARSL2_5_Activator: TARSL2 = !BUB1B&TARSL2 (Confidence: 1, TimeStep: 1)
TARSL2_1_Inhibitor: TARSL2 = !KIF2C&TTK (Confidence: 1, TimeStep: 1)
TARSL2_2_Inhibitor: TARSL2 = !CCNB1&CHEK1 (Confidence: 1, TimeStep: 1)
TARSL2_3_Inhibitor: TARSL2 = !CCNB1&FANCI (Confidence: 1, TimeStep: 1)
TARSL2_4_Inhibitor: TARSL2 = !CCNB1&FOXM1 (Confidence: 1, TimeStep: 1)
TARSL2_5_Inhibitor: TARSL2 = !CCNB1&STIL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TBXA2R with decay value = 1:

TBXA2R_1_Activator: TBXA2R = TBXA2R (Confidence: 1, TimeStep: 1)
TBXA2R_2_Activator: TBXA2R = F13A1 (Confidence: 1, TimeStep: 1)
TBXA2R_3_Activator: TBXA2R = RAB31 (Confidence: 1, TimeStep: 1)
TBXA2R_4_Activator: TBXA2R = !ANP32E&RASSF4 (Confidence: 1, TimeStep: 1)
TBXA2R_5_Activator: TBXA2R = !ASPM&IFNGR1 (Confidence: 1, TimeStep: 1)
TBXA2R_1_Inhibitor: TBXA2R = !LILRB2 (Confidence: 1, TimeStep: 1)
TBXA2R_2_Inhibitor: TBXA2R = ECT2 (Confidence: 1, TimeStep: 1)
TBXA2R_3_Inhibitor: TBXA2R = CCNB2 (Confidence: 1, TimeStep: 1)
TBXA2R_4_Inhibitor: TBXA2R = CDC45 (Confidence: 1, TimeStep: 1)
TBXA2R_5_Inhibitor: TBXA2R = CENPA (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TCF19 with decay value = 1:

TCF19_1_Activator: TCF19 = !P2RX5&PHF19 (Confidence: 1, TimeStep: 1)
TCF19_2_Activator: TCF19 = !P2RX5&POLE2 (Confidence: 1, TimeStep: 1)
TCF19_3_Activator: TCF19 = !P2RX5&TIPIN (Confidence: 1, TimeStep: 1)
TCF19_4_Activator: TCF19 = !P2RX5&TPX2 (Confidence: 1, TimeStep: 1)
TCF19_5_Activator: TCF19 = !P2RX5&UBE2T (Confidence: 1, TimeStep: 1)
TCF19_1_Inhibitor: TCF19 = !WDR76 (Confidence: 1, TimeStep: 1)
TCF19_2_Inhibitor: TCF19 = !E2F8 (Confidence: 1, TimeStep: 1)
TCF19_3_Inhibitor: TCF19 = !GINS2 (Confidence: 1, TimeStep: 1)
TCF19_4_Inhibitor: TCF19 = !DTL (Confidence: 1, TimeStep: 1)
TCF19_5_Inhibitor: TCF19 = !TOP2A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TENM4 with decay value = 1:

TENM4_1_Activator: TENM4 = AURKB&MDM2 (Confidence: 1, TimeStep: 1)
TENM4_2_Activator: TENM4 = AURKB&TENM4 (Confidence: 1, TimeStep: 1)
TENM4_3_Activator: TENM4 = CENPU&MDM2 (Confidence: 1, TimeStep: 1)
TENM4_4_Activator: TENM4 = CEP55&TENM4 (Confidence: 1, TimeStep: 1)
TENM4_5_Activator: TENM4 = CKAP2L&TENM4 (Confidence: 1, TimeStep: 1)

TENM4_1_Inhibitor: TENM4 = !TENM4 (Confidence: 1, TimeStep: 1)

TENM4_2_Inhibitor: TENM4 = !AURKB (Confidence: 1, TimeStep: 1)

TENM4_3_Inhibitor: TENM4 = !KIF18A (Confidence: 1, TimeStep: 1)

TENM4_4_Inhibitor: TENM4 = !OIP5 (Confidence: 1, TimeStep: 1)

TENM4_5_Inhibitor: TENM4 = !TRIP13 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TIMELESS with decay value = 1:

TIMELESS_1_Activator: TIMELESS = ANLN&MDK (Confidence: 1, TimeStep: 1)

TIMELESS_2_Activator: TIMELESS = BCAT1&MDK (Confidence: 1, TimeStep: 1)

TIMELESS_3_Activator: TIMELESS = !CD53&MDK (Confidence: 1, TimeStep: 1)

TIMELESS_4_Activator: TIMELESS = !ANP32E&BUB1B (Confidence: 1, TimeStep: 1)

TIMELESS_5_Activator: TIMELESS = !ANP32E&C4orf46 (Confidence: 1, TimeStep: 1)

TIMELESS_1_Inhibitor: TIMELESS = !CKS1B (Confidence: 1, TimeStep: 1)

TIMELESS_2_Inhibitor: TIMELESS = !TIMELESS (Confidence: 1, TimeStep: 1)

TIMELESS_3_Inhibitor: TIMELESS = !BRCA1 (Confidence: 1, TimeStep: 1)

TIMELESS_4_Inhibitor: TIMELESS = !MCM7 (Confidence: 1, TimeStep: 1)

TIMELESS_5_Inhibitor: TIMELESS = !BYSL (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TIPIN with decay value = 1:

TIPIN_1_Activator: TIPIN = APITD1-CORT (Confidence: 1, TimeStep: 1)

TIPIN_2_Activator: TIPIN = ASF1B (Confidence: 1, TimeStep: 1)

TIPIN_3_Activator: TIPIN = AURKA (Confidence: 1, TimeStep: 1)

TIPIN_4_Activator: TIPIN = !BTG1 (Confidence: 1, TimeStep: 1)

TIPIN_5_Activator: TIPIN = CCDC34 (Confidence: 1, TimeStep: 1)

TIPIN_1_Inhibitor: TIPIN = !APITD1-CORT (Confidence: 1, TimeStep: 1)

TIPIN_2_Inhibitor: TIPIN = !ASF1B (Confidence: 1, TimeStep: 1)

TIPIN_3_Inhibitor: TIPIN = !AURKA (Confidence: 1, TimeStep: 1)

TIPIN_4_Inhibitor: TIPIN = BTG1 (Confidence: 1, TimeStep: 1)

TIPIN_5_Inhibitor: TIPIN = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TK1 with decay value = 1:

TK1_1_Activator: TK1 = CCNB1 (Confidence: 1, TimeStep: 1)

TK1_2_Activator: TK1 = IQGAP3 (Confidence: 1, TimeStep: 1)

TK1_3_Activator: TK1 = CDK1 (Confidence: 1, TimeStep: 1)

TK1_4_Activator: TK1 = CKAP2L (Confidence: 1, TimeStep: 1)

TK1_5_Activator: TK1 = HMMR (Confidence: 1, TimeStep: 1)

TK1_1_Inhibitor: TK1 = !CDC20 (Confidence: 1, TimeStep: 1)

TK1_2_Inhibitor: TK1 = !KIF4A (Confidence: 1, TimeStep: 1)

TK1_3_Inhibitor: TK1 = !CENPW (Confidence: 1, TimeStep: 1)

TK1_4_Inhibitor: TK1 = !DHFR (Confidence: 1, TimeStep: 1)

TK1_5_Inhibitor: TK1 = !RAD51 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TMEM100 with decay value = 1:

TMEM100_1_Activator: TMEM100 = !CDC42EP3&RBMS3 (Confidence: 1, TimeStep: 1)

TMEM100_2_Activator: TMEM100 = !CDC42EP3&TMEM100 (Confidence: 1, TimeStep: 1)

TMEM100_3_Activator: TMEM100 = DTL&TMEM100 (Confidence: 1, TimeStep: 1)

TMEM100_4_Activator: TMEM100 = !MDK&RFC3 (Confidence: 1, TimeStep: 1)

TMEM100_5_Activator: TMEM100 = !MDK&PTTG1 (Confidence: 1, TimeStep: 1)

TMEM100_1_Inhibitor: TMEM100 = !IGLL1 (Confidence: 1, TimeStep: 1)

TMEM100_2_Inhibitor: TMEM100 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
TMEM100_3_Inhibitor: TMEM100 = !DEPDC1B&!RBMS3 (Confidence: 1, TimeStep: 1)
TMEM100_4_Inhibitor: TMEM100 = !FH&!RBMS3 (Confidence: 1, TimeStep: 1)
TMEM100_5_Inhibitor: TMEM100 = GIMAP7&!RBMS3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TMEM2 with decay value = 1:

TMEM2_1_Activator: TMEM2 = LILRB2 (Confidence: 1, TimeStep: 1)
TMEM2_2_Activator: TMEM2 = !CENPV (Confidence: 1, TimeStep: 1)
TMEM2_3_Activator: TMEM2 = IRAK3 (Confidence: 1, TimeStep: 1)
TMEM2_4_Activator: TMEM2 = GSN (Confidence: 1, TimeStep: 1)
TMEM2_5_Activator: TMEM2 = AKAP12 (Confidence: 1, TimeStep: 1)
TMEM2_1_Inhibitor: TMEM2 = !METTL7A (Confidence: 1, TimeStep: 1)
TMEM2_2_Inhibitor: TMEM2 = UBE2C (Confidence: 1, TimeStep: 1)
TMEM2_3_Inhibitor: TMEM2 = !AKAP12&!LILRB2 (Confidence: 1, TimeStep: 1)
TMEM2_4_Inhibitor: TMEM2 = !AKAP12&!IL6ST (Confidence: 1, TimeStep: 1)
TMEM2_5_Inhibitor: TMEM2 = !AKAP12&!KLF9 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TMEM97 with decay value = 1:

TMEM97_1_Activator: TMEM97 = CENPH (Confidence: 1, TimeStep: 1)
TMEM97_2_Activator: TMEM97 = APITD1-CORT (Confidence: 1, TimeStep: 1)
TMEM97_3_Activator: TMEM97 = ASF1B (Confidence: 1, TimeStep: 1)
TMEM97_4_Activator: TMEM97 = AURKA (Confidence: 1, TimeStep: 1)
TMEM97_5_Activator: TMEM97 = !BTG1 (Confidence: 1, TimeStep: 1)
TMEM97_1_Inhibitor: TMEM97 = !CENPH (Confidence: 1, TimeStep: 1)
TMEM97_2_Inhibitor: TMEM97 = !CDK1 (Confidence: 1, TimeStep: 1)
TMEM97_3_Inhibitor: TMEM97 = !HMMR (Confidence: 1, TimeStep: 1)
TMEM97_4_Inhibitor: TMEM97 = !KIF14 (Confidence: 1, TimeStep: 1)
TMEM97_5_Inhibitor: TMEM97 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TNFRSF21 with decay value = 1:

TNFRSF21_1_Activator: TNFRSF21 = BYSL&!RASSF4 (Confidence: 1, TimeStep: 1)
TNFRSF21_2_Activator: TNFRSF21 = DTL&!STAB1 (Confidence: 1, TimeStep: 1)
TNFRSF21_3_Activator: TNFRSF21 = BRCA1&!STAB1 (Confidence: 1, TimeStep: 1)
TNFRSF21_4_Activator: TNFRSF21 = CKS1B&!STAB1 (Confidence: 1, TimeStep: 1)
TNFRSF21_5_Activator: TNFRSF21 = GINS2&!STAB1 (Confidence: 1, TimeStep: 1)
TNFRSF21_1_Inhibitor: TNFRSF21 = LILRA1 (Confidence: 1, TimeStep: 1)
TNFRSF21_2_Inhibitor: TNFRSF21 = !ANP32E&!TNFRSF21 (Confidence: 1, TimeStep: 1)
TNFRSF21_3_Inhibitor: TNFRSF21 = !FH&!TNFRSF21 (Confidence: 1, TimeStep: 1)
TNFRSF21_4_Inhibitor: TNFRSF21 = !DHFR&!TNFRSF21 (Confidence: 1, TimeStep: 1)
TNFRSF21_5_Inhibitor: TNFRSF21 = HBB&RNASET2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TNFSF8 with decay value = 1:

TNFSF8_1_Activator: TNFSF8 = TNFSF8 (Confidence: 1, TimeStep: 1)
TNFSF8_2_Activator: TNFSF8 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
TNFSF8_3_Activator: TNFSF8 = !RAG1 (Confidence: 1, TimeStep: 1)
TNFSF8_4_Activator: TNFSF8 = LOC100130872 (Confidence: 1, TimeStep: 1)
TNFSF8_5_Activator: TNFSF8 = SEMA4D (Confidence: 1, TimeStep: 1)
TNFSF8_1_Inhibitor: TNFSF8 = !SNX10 (Confidence: 1, TimeStep: 1)
TNFSF8_2_Inhibitor: TNFSF8 = LOC728175 (Confidence: 1, TimeStep: 1)

TNFSF8_3_Inhibitor: TNFSF8 = LOC100996643&!TNFSF8 (Confidence: 1, TimeStep: 1)

TNFSF8_4_Inhibitor: TNFSF8 = !BIRC3&MYRIP (Confidence: 1, TimeStep: 1)

TNFSF8_5_Inhibitor: TNFSF8 = LOC100996643&TMEM2 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TOP2A with decay value = 1:

TOP2A_1_Activator: TOP2A = CENPF (Confidence: 1, TimeStep: 1)

TOP2A_2_Activator: TOP2A = DEPDC1B (Confidence: 1, TimeStep: 1)

TOP2A_3_Activator: TOP2A = NEK2 (Confidence: 1, TimeStep: 1)

TOP2A_4_Activator: TOP2A = CDK1 (Confidence: 1, TimeStep: 1)

TOP2A_5_Activator: TOP2A = CKAP2L (Confidence: 1, TimeStep: 1)

TOP2A_1_Inhibitor: TOP2A = !E2F8 (Confidence: 1, TimeStep: 1)

TOP2A_2_Inhibitor: TOP2A = !TYMS (Confidence: 1, TimeStep: 1)

TOP2A_3_Inhibitor: TOP2A = PPP1R16B (Confidence: 1, TimeStep: 1)

TOP2A_4_Inhibitor: TOP2A = !PTP4A1 (Confidence: 1, TimeStep: 1)

TOP2A_5_Inhibitor: TOP2A = !FABP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TPX2 with decay value = 1:

TPX2_1_Activator: TPX2 = APITD1-CORT (Confidence: 1, TimeStep: 1)

TPX2_2_Activator: TPX2 = ASF1B (Confidence: 1, TimeStep: 1)

TPX2_3_Activator: TPX2 = AURKA (Confidence: 1, TimeStep: 1)

TPX2_4_Activator: TPX2 = !BTG1 (Confidence: 1, TimeStep: 1)

TPX2_5_Activator: TPX2 = CCDC34 (Confidence: 1, TimeStep: 1)

TPX2_1_Inhibitor: TPX2 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

TPX2_2_Inhibitor: TPX2 = !ASF1B (Confidence: 1, TimeStep: 1)

TPX2_3_Inhibitor: TPX2 = !AURKA (Confidence: 1, TimeStep: 1)

TPX2_4_Inhibitor: TPX2 = BTG1 (Confidence: 1, TimeStep: 1)

TPX2_5_Inhibitor: TPX2 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TRIB1 with decay value = 1:

TRIB1_1_Activator: TRIB1 = !ABHD17B (Confidence: 1, TimeStep: 1)

TRIB1_2_Activator: TRIB1 = IL18RAP (Confidence: 1, TimeStep: 1)

TRIB1_3_Activator: TRIB1 = LOC728175 (Confidence: 1, TimeStep: 1)

TRIB1_4_Activator: TRIB1 = SCML4&TRIB1 (Confidence: 1, TimeStep: 1)

TRIB1_5_Activator: TRIB1 = IL6ST&!PRPS2 (Confidence: 1, TimeStep: 1)

TRIB1_1_Inhibitor: TRIB1 = PRPS2&!TRIB1 (Confidence: 1, TimeStep: 1)

TRIB1_2_Inhibitor: TRIB1 = !IL18R1&!TRIB1 (Confidence: 1, TimeStep: 1)

TRIB1_3_Inhibitor: TRIB1 = CENPV&!TRIB1 (Confidence: 1, TimeStep: 1)

TRIB1_4_Inhibitor: TRIB1 = !IL6ST&!TRIB1 (Confidence: 1, TimeStep: 1)

TRIB1_5_Inhibitor: TRIB1 = !TMEM2&!TRIB1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TRIP13 with decay value = 1:

TRIP13_1_Activator: TRIP13 = APITD1-CORT (Confidence: 1, TimeStep: 1)

TRIP13_2_Activator: TRIP13 = ASF1B (Confidence: 1, TimeStep: 1)

TRIP13_3_Activator: TRIP13 = AURKA (Confidence: 1, TimeStep: 1)

TRIP13_4_Activator: TRIP13 = !BTG1 (Confidence: 1, TimeStep: 1)

TRIP13_5_Activator: TRIP13 = CCDC34 (Confidence: 1, TimeStep: 1)

TRIP13_1_Inhibitor: TRIP13 = !APITD1-CORT (Confidence: 1, TimeStep: 1)

TRIP13_2_Inhibitor: TRIP13 = !ASF1B (Confidence: 1, TimeStep: 1)

TRIP13_3_Inhibitor: TRIP13 = !AURKA (Confidence: 1, TimeStep: 1)

TRIP13_4_Inhibitor: TRIP13 = BTG1 (Confidence: 1, TimeStep: 1)

TRIP13_5_Inhibitor: TRIP13 = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TTK with decay value = 1:

TTK_1_Activator: TTK = KIF2C (Confidence: 1, TimeStep: 1)

TTK_2_Activator: TTK = ATAD2 (Confidence: 1, TimeStep: 1)

TTK_3_Activator: TTK = BIRC5 (Confidence: 1, TimeStep: 1)

TTK_4_Activator: TTK = BUB1 (Confidence: 1, TimeStep: 1)

TTK_5_Activator: TTK = CCNA2 (Confidence: 1, TimeStep: 1)

TTK_1_Inhibitor: TTK = !KIF2C (Confidence: 1, TimeStep: 1)

TTK_2_Inhibitor: TTK = !CCNB2 (Confidence: 1, TimeStep: 1)

TTK_3_Inhibitor: TTK = !CDC45 (Confidence: 1, TimeStep: 1)

TTK_4_Inhibitor: TTK = !CENPA (Confidence: 1, TimeStep: 1)

TTK_5_Inhibitor: TTK = !DLGAP5 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TUBA4A with decay value = 1:

TUBA4A_1_Activator: TUBA4A = TUBA4A (Confidence: 1, TimeStep: 1)

TUBA4A_2_Activator: TUBA4A = STAB1 (Confidence: 1, TimeStep: 1)

TUBA4A_3_Activator: TUBA4A = !LILRB2&SMIM3 (Confidence: 1, TimeStep: 1)

TUBA4A_4_Activator: TUBA4A = GBP4&P2RY14&!TENM4 (Confidence: 1, TimeStep: 1)

TUBA4A_5_Activator: TUBA4A = !DENND3&!LOC100505650&SMIM3 (Confidence: 1, TimeStep: 1)

TUBA4A_1_Inhibitor: TUBA4A = LOC100505650 (Confidence: 1, TimeStep: 1)

TUBA4A_2_Inhibitor: TUBA4A = BCL10 (Confidence: 1, TimeStep: 1)

TUBA4A_3_Inhibitor: TUBA4A = ASPM&!TUBA4A (Confidence: 1, TimeStep: 1)

TUBA4A_4_Inhibitor: TUBA4A = NUF2&!TUBA4A (Confidence: 1, TimeStep: 1)

TUBA4A_5_Inhibitor: TUBA4A = HELLS&!TUBA4A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TXNIP with decay value = 1:

TXNIP_1_Activator: TXNIP = !CKAP2 (Confidence: 1, TimeStep: 1)

TXNIP_2_Activator: TXNIP = TXNIP (Confidence: 1, TimeStep: 1)

TXNIP_3_Activator: TXNIP = !CENPU (Confidence: 1, TimeStep: 1)

TXNIP_4_Activator: TXNIP = !HIST4H4 (Confidence: 1, TimeStep: 1)

TXNIP_5_Activator: TXNIP = NEAT1 (Confidence: 1, TimeStep: 1)

TXNIP_1_Inhibitor: TXNIP = ANP32E&MDK (Confidence: 1, TimeStep: 1)

TXNIP_2_Inhibitor: TXNIP = !BMF&MDK (Confidence: 1, TimeStep: 1)

TXNIP_3_Inhibitor: TXNIP = CENPV&MDK (Confidence: 1, TimeStep: 1)

TXNIP_4_Inhibitor: TXNIP = E2F7&MDK (Confidence: 1, TimeStep: 1)

TXNIP_5_Inhibitor: TXNIP = ECT2&MDK (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for TYMS with decay value = 1:

TYMS_1_Activator: TYMS = WDR76 (Confidence: 1, TimeStep: 1)

TYMS_2_Activator: TYMS = MKI67 (Confidence: 1, TimeStep: 1)

TYMS_3_Activator: TYMS = ZWINT (Confidence: 1, TimeStep: 1)

TYMS_4_Activator: TYMS = ANLN (Confidence: 1, TimeStep: 1)

TYMS_5_Activator: TYMS = BRIP1 (Confidence: 1, TimeStep: 1)

TYMS_1_Inhibitor: TYMS = !TYMS (Confidence: 1, TimeStep: 1)

TYMS_2_Inhibitor: TYMS = PRDM1 (Confidence: 1, TimeStep: 1)

TYMS_3_Inhibitor: TYMS = LGALS3 (Confidence: 1, TimeStep: 1)

TYMS_4_Inhibitor: TYMS = RAB31 (Confidence: 1, TimeStep: 1)

TYMS_5_Inhibitor: TYMS = !ANLN&BIRC3 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for UBE2C with decay value = 1:

UBE2C_1_Activator: UBE2C = UBE2C (Confidence: 1, TimeStep: 1)

UBE2C_2_Activator: UBE2C = !AKAP12&APITD1-CORT (Confidence: 1, TimeStep: 1)

UBE2C_3_Activator: UBE2C = !AKAP12&ASF1B (Confidence: 1, TimeStep: 1)

UBE2C_4_Activator: UBE2C = !AKAP12&AURKA (Confidence: 1, TimeStep: 1)

UBE2C_5_Activator: UBE2C = !AKAP12&AURKB (Confidence: 1, TimeStep: 1)

UBE2C_1_Inhibitor: UBE2C = !UBE2C (Confidence: 1, TimeStep: 1)

UBE2C_2_Inhibitor: UBE2C = !APITD1-CORT (Confidence: 1, TimeStep: 1)

UBE2C_3_Inhibitor: UBE2C = !ASF1B (Confidence: 1, TimeStep: 1)

UBE2C_4_Inhibitor: UBE2C = !AURKA (Confidence: 1, TimeStep: 1)

UBE2C_5_Inhibitor: UBE2C = BTG1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for UBE2T with decay value = 1:

UBE2T_1_Activator: UBE2T = APITD1-CORT (Confidence: 1, TimeStep: 1)

UBE2T_2_Activator: UBE2T = ASF1B (Confidence: 1, TimeStep: 1)

UBE2T_3_Activator: UBE2T = AURKA (Confidence: 1, TimeStep: 1)

UBE2T_4_Activator: UBE2T = !BTG1 (Confidence: 1, TimeStep: 1)

UBE2T_5_Activator: UBE2T = CCDC34 (Confidence: 1, TimeStep: 1)

UBE2T_1_Inhibitor: UBE2T = !APITD1-CORT (Confidence: 1, TimeStep: 1)

UBE2T_2_Inhibitor: UBE2T = !ASF1B (Confidence: 1, TimeStep: 1)

UBE2T_3_Inhibitor: UBE2T = !AURKA (Confidence: 1, TimeStep: 1)

UBE2T_4_Inhibitor: UBE2T = BTG1 (Confidence: 1, TimeStep: 1)

UBE2T_5_Inhibitor: UBE2T = !CCDC34 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for WASF1 with decay value = 1:

WASF1_1_Activator: WASF1 = P2RX5 (Confidence: 1, TimeStep: 1)

WASF1_2_Activator: WASF1 = !HBG1&WASF1 (Confidence: 1, TimeStep: 1)

WASF1_3_Activator: WASF1 = !HBB&WASF1 (Confidence: 1, TimeStep: 1)

WASF1_4_Activator: WASF1 = !IGH&WASF1 (Confidence: 1, TimeStep: 1)

WASF1_5_Activator: WASF1 = !F13A1&!S100A11 (Confidence: 1, TimeStep: 1)

WASF1_1_Inhibitor: WASF1 = !WASF1 (Confidence: 1, TimeStep: 1)

WASF1_2_Inhibitor: WASF1 = FCGR3B&HBG1 (Confidence: 1, TimeStep: 1)

WASF1_3_Inhibitor: WASF1 = FCGR3B&!IL1B (Confidence: 1, TimeStep: 1)

WASF1_4_Inhibitor: WASF1 = FCGR3B&ITGB2-AS1 (Confidence: 1, TimeStep: 1)

WASF1_5_Inhibitor: WASF1 = ITGB2-AS1&!SNORA21 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for WDHD1 with decay value = 1:

WDHD1_1_Activator: WDHD1 = !CD53&MDK (Confidence: 1, TimeStep: 1)

WDHD1_2_Activator: WDHD1 = CENPK&MDK (Confidence: 1, TimeStep: 1)

WDHD1_3_Activator: WDHD1 = !IGH&MDK (Confidence: 1, TimeStep: 1)

WDHD1_4_Activator: WDHD1 = !IGLC1&MDK (Confidence: 1, TimeStep: 1)

WDHD1_5_Activator: WDHD1 = !BMF&MDK (Confidence: 1, TimeStep: 1)

WDHD1_1_Inhibitor: WDHD1 = !CENPH (Confidence: 1, TimeStep: 1)

WDHD1_2_Inhibitor: WDHD1 = !CDK1 (Confidence: 1, TimeStep: 1)

WDHD1_3_Inhibitor: WDHD1 = !HMMR (Confidence: 1, TimeStep: 1)

WDHD1_4_Inhibitor: WDHD1 = !KIF14 (Confidence: 1, TimeStep: 1)

WDHD1_5_Inhibitor: WDHD1 = !KIF20A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for WDR76 with decay value = 1:

WDR76_1_Activator: WDR76 = CENPH (Confidence: 1, TimeStep: 1)
WDR76_2_Activator: WDR76 = APITD1-CORT (Confidence: 1, TimeStep: 1)
WDR76_3_Activator: WDR76 = ASF1B (Confidence: 1, TimeStep: 1)
WDR76_4_Activator: WDR76 = AURKA (Confidence: 1, TimeStep: 1)
WDR76_5_Activator: WDR76 = !BTG1 (Confidence: 1, TimeStep: 1)
WDR76_1_Inhibitor: WDR76 = !IQGAP3 (Confidence: 1, TimeStep: 1)
WDR76_2_Inhibitor: WDR76 = !ANLN (Confidence: 1, TimeStep: 1)
WDR76_3_Inhibitor: WDR76 = !PRR11 (Confidence: 1, TimeStep: 1)
WDR76_4_Inhibitor: WDR76 = !CDC20 (Confidence: 1, TimeStep: 1)
WDR76_5_Inhibitor: WDR76 = !KIF4A (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for WFS1 with decay value = 1:

WFS1_1_Activator: WFS1 = PDE4B&PTP4A1 (Confidence: 1, TimeStep: 1)
WFS1_2_Activator: WFS1 = !SERPINA1&WFS1 (Confidence: 1, TimeStep: 1)
WFS1_3_Activator: WFS1 = ARPP21&WFS1 (Confidence: 1, TimeStep: 1)
WFS1_4_Activator: WFS1 = !HBG1&PDE4B (Confidence: 1, TimeStep: 1)
WFS1_5_Activator: WFS1 = PDE4B&WFS1 (Confidence: 1, TimeStep: 1)
WFS1_1_Inhibitor: WFS1 = ITGB2-AS1 (Confidence: 1, TimeStep: 1)
WFS1_2_Inhibitor: WFS1 = LOC100130872 (Confidence: 1, TimeStep: 1)
WFS1_3_Inhibitor: WFS1 = LILRA1 (Confidence: 1, TimeStep: 1)
WFS1_4_Inhibitor: WFS1 = !KIF26A&!WFS1 (Confidence: 1, TimeStep: 1)
WFS1_5_Inhibitor: WFS1 = !IL1B&!WFS1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ZBTB16 with decay value = 1:

ZBTB16_1_Activator: ZBTB16 = LILRA1 (Confidence: 1, TimeStep: 1)
ZBTB16_2_Activator: ZBTB16 = !CCR1&ZBTB16 (Confidence: 1, TimeStep: 1)
ZBTB16_3_Activator: ZBTB16 = !GSN&LILRB2 (Confidence: 1, TimeStep: 1)
ZBTB16_4_Activator: ZBTB16 = !GSN&SERPINB9 (Confidence: 1, TimeStep: 1)
ZBTB16_5_Activator: ZBTB16 = !GSN&ZBTB16 (Confidence: 1, TimeStep: 1)
ZBTB16_1_Inhibitor: ZBTB16 = !LILRB2&!ZBTB16 (Confidence: 1, TimeStep: 1)
ZBTB16_2_Inhibitor: ZBTB16 = !RBMS3&SNORA21 (Confidence: 1, TimeStep: 1)
ZBTB16_3_Inhibitor: ZBTB16 = DFNA5&!ZBTB16 (Confidence: 1, TimeStep: 1)
ZBTB16_4_Inhibitor: ZBTB16 = !GBP4&SNORA21 (Confidence: 1, TimeStep: 1)
ZBTB16_5_Inhibitor: ZBTB16 = !GBP4&!ZBTB16 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ZFP36L2 with decay value = 1:

ZFP36L2_1_Activator: ZFP36L2 = ZFP36L2 (Confidence: 1, TimeStep: 1)
ZFP36L2_2_Activator: ZFP36L2 = TXNIP (Confidence: 1, TimeStep: 1)
ZFP36L2_3_Activator: ZFP36L2 = LEF1 (Confidence: 1, TimeStep: 1)
ZFP36L2_4_Activator: ZFP36L2 = !HIST4H4 (Confidence: 1, TimeStep: 1)
ZFP36L2_5_Activator: ZFP36L2 = !MTHFD2 (Confidence: 1, TimeStep: 1)
ZFP36L2_1_Inhibitor: ZFP36L2 = CKAP2 (Confidence: 1, TimeStep: 2)
ZFP36L2_2_Inhibitor: ZFP36L2 = !TXNIP (Confidence: 1, TimeStep: 2)
ZFP36L2_3_Inhibitor: ZFP36L2 = !ZFP36L2 (Confidence: 1, TimeStep: 2)

Multiple Transition Functions for ZNF367 with decay value = 1:

ZNF367_1_Activator: ZNF367 = MDK&MKI67 (Confidence: 1, TimeStep: 1)
ZNF367_2_Activator: ZNF367 = MDK&NCAPG (Confidence: 1, TimeStep: 1)

ZNF367_3_Activator: ZNF367 = MDK&NEK2 (Confidence: 1, TimeStep: 1)
ZNF367_4_Activator: ZNF367 = MDK&NUSAP1 (Confidence: 1, TimeStep: 1)
ZNF367_5_Activator: ZNF367 = MDK&POLQ (Confidence: 1, TimeStep: 1)
ZNF367_1_Inhibitor: ZNF367 = !CKS1B (Confidence: 1, TimeStep: 1)
ZNF367_2_Inhibitor: ZNF367 = !TIMELESS (Confidence: 1, TimeStep: 1)
ZNF367_3_Inhibitor: ZNF367 = !BRCA1 (Confidence: 1, TimeStep: 1)
ZNF367_4_Inhibitor: ZNF367 = !MCM7 (Confidence: 1, TimeStep: 1)
ZNF367_5_Inhibitor: ZNF367 = !RAD51AP1 (Confidence: 1, TimeStep: 1)

Multiple Transition Functions for ZWINT with decay value = 1:

ZWINT_1_Activator: ZWINT = KIF2C (Confidence: 1, TimeStep: 1)
ZWINT_2_Activator: ZWINT = ATAD2 (Confidence: 1, TimeStep: 1)
ZWINT_3_Activator: ZWINT = BIRC5 (Confidence: 1, TimeStep: 1)
ZWINT_4_Activator: ZWINT = BUB1 (Confidence: 1, TimeStep: 1)
ZWINT_5_Activator: ZWINT = CCNA2 (Confidence: 1, TimeStep: 1)
ZWINT_1_Inhibitor: ZWINT = !KIF2C (Confidence: 1, TimeStep: 1)
ZWINT_2_Inhibitor: ZWINT = !CCNB2 (Confidence: 1, TimeStep: 1)
ZWINT_3_Inhibitor: ZWINT = !CDC45 (Confidence: 1, TimeStep: 1)
ZWINT_4_Inhibitor: ZWINT = !CENPA (Confidence: 1, TimeStep: 1)
ZWINT_5_Inhibitor: ZWINT = !DLGAP5 (Confidence: 1, TimeStep: 1)

1
2

1 **References**

- 2 1. Russo, G., C. Zegar, and A. Giordano, *Advantages and limitations of*
3 *microarray technology in human cancer*. *Oncogene*, 2003. **22**(42): p. 6497-
4 507.
- 5 2. Taub, F.E., J.M. DeLeo, and E.B. Thompson, *Sequential comparative*
6 *hybridizations analyzed by computerized image processing can identify and*
7 *quantitate regulated RNAs*. *DNA*, 1983. **2**(4): p. 309-27.
- 8 3. Gautier, L., et al., *affy--analysis of Affymetrix GeneChip data at the probe*
9 *level*. *Bioinformatics*, 2004. **20**(3): p. 307-15.
- 10 4. Silvescu, A. and V. Honavar, *Temporal Boolean network models of genetic*
11 *networks and their inference from gene expression time series*. *Complex*
12 *Systems*, 2001. **13**(61-78).
- 13 5. Ernst, J. and Z. Bar-Joseph, *STEM: a tool for the analysis of short time series*
14 *gene expression data*. *BMC Bioinformatics*, 2006. **7**: p. 191.
- 15 6. Ernst, J., G.J. Nau, and Z. Bar-Joseph, *Clustering short time series gene*
16 *expression data*. *Bioinformatics*, 2005. **21 Suppl 1**: p. i159-68.
- 17 7. Chaiboonchoe, A., *Identification of glucocorticoid-regulated genes and*
18 *inferring their network focused on the glucocorticoid receptor in childhood*
19 *leukaemia, based on microarray data and pathway databases*. 2010, Lincoln
20 University: New Zealand. p. 170.
- 21 8. Wang, Z., et al., *Stochastic dynamic modeling of short gene expression time-*
22 *series data*. *IEEE Trans Nanobioscience*, 2008. **7**(1): p. 44-55.
- 23 9. Tchagang, A.B., et al., *Mining biological information from 3D short time-*
24 *series gene expression data: the OPTricluster algorithm*. *BMC*
25 *Bioinformatics*, 2012. **13**: p. 54.
- 26 10. Siebert, H., *Logic-based modeling in system biology*. 2011.
- 27 11. Irizarry, R.A., Z. Wu, and H.A. Jaffee, *Comparison of Affymetrix GeneChip*
28 *expression measures*. *Bioinformatics*, 2006. **22**(7): p. 789-94.
- 29 12. Affymetrix, *Statistical algorithms description document (Technical report)*.
30 2002.
- 31 13. Irizarry, R.A., et al., *Exploration, normalization, and summaries of high*
32 *density oligonucleotide array probe level data*. *Biostatistics*, 2003. **4**(2): p.
33 249-64.
- 34 14. Wu, Z., et al., *A Model-Based Background Adjustment for Oligonucleotide*
35 *Expression Arrays*. *Journal of the American Statistical Association*, 2004.
36 **99**(468): p. 909-917.
- 37 15. Bansal, M., et al., *How to infer gene networks from expression profiles*. *Mol*
38 *Syst Biol*, 2007. **3**: p. 78.
- 39 16. Tušek, A. and Ž. Kurtanjek, *Mathematical modelling of gene regulatory*
40 *networks*. *Applied Biological Engineering - Principles and Practice*, ed. G.R.
41 Naik. Vol. 5. 2012, London, SE1 9SG, UNITED KINGDOM: InTech. 674.
- 42 17. Lee, W.P. and W.S. Tzou, *Computational methods for discovering gene*
43 *networks from expression data*. *Brief Bioinform*, 2009. **10**(4): p. 408-23.

- 1 18. Ay, A. and D.N. Arnosti, *Mathematical modeling of gene expression: a guide*
2 *for the perplexed biologist*. Crit Rev Biochem Mol Biol, 2011. **46**(2): p. 137-
3 51.
- 4 19. Wang, Y., X.S. Zhang, and L. Chen, *Computational systems biology:*
5 *integration of sequence, structure, network, and dynamics*. BMC Syst Biol,
6 2011. **5 Suppl 1**: p. S1.
- 7 20. Hood, L., *Systems biology and p4 medicine: past, present, and future*.
8 Rambam Maimonides Med J, 2013. **4**(2): p. e0012.
- 9 21. Chen, L., D. Kulasiri, and S. Samarasinghe, *A Novel Data-Driven Boolean*
10 *Model for Genetic Regulatory Networks*. Front Physiol, 2018. **9**: p. 1328.

11

12