

**Table S3: Metadata for transcriptome interaction network and pathway analysis of 5448 intracellularly infected Tepi cells in comparison to JRS4 infected cells.**

Gene symbol	Full name	Log2FC gene expression in comparison to JRS4-infected cells	Adjusted P-value	Protein-protein interaction data type from Stringdb.com	Upregulated pathways from Innatedb.com
FOSB	FBJ murine osteosarcoma viral oncogene homolog B	3.484	3.04E-04	experimentally determined, textmining	Osteoclast differentiation, AP-1 transcription factor network
EGR4	early growth response 4	3.457	1.02E-03	experimentally determined, textmining	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, Downstream signaling in naïve CD8+ T cells
IRF1	interferon regulatory factor 1	3.390	6.49E-04	experimentally determined, coexpression, curated databases, textmining	Glucocorticoid receptor regulatory network, Cytokine Signaling in Immune system, IL6-mediated signaling events, Innate Immune System
TRAF1	TNF receptor-associated factor 1	3.253	6.49E-04	experimentally determined, coexpression, curated databases, textmining	CD40/CD40L signaling, Tnfr2 signaling pathway, HIV-1 Nef: Negative effector of Fas and TNF-alpha, RANKL, TNF receptor signaling pathway, TWEAK
BIRC3	baculoviral IAP repeat containing 3	2.712	6.49E-04	experimentally determined, coexpression, curated databases, textmining	CD40/CD40L signaling, NOD-like receptor signaling pathway, HIV-1 Nef: Negative effector of Fas and TNF-alpha, Toll-Like Receptors Cascades, Activated TLR4 signalling, Toll Like Receptor 4 (TLR4) Cascade, TNF receptor signaling pathway, Innate Immune System

TNF	tumor necrosis factor	2.622	6.54E-04	coexpression, textmining	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, Osteoclast differentiation, Cytokine-cytokine receptor interaction, MAPK signaling pathway, NOD-like receptor signaling pathway, JAK STAT pathway and regulation, HIV-1 Nef: Negative effector of Fas and TNF-alpha, Downstream signaling in naïve CD8+ T cells, T cell receptor signaling pathway, Hematopoietic cell lineage, Nfat and hypertrophy of the heart, Toll-like receptor signaling pathway, IL23-mediated signaling events, TNF receptor signaling pathway, TWEAK, Adipocytokine signaling pathway, GPCR signaling
PTX3	pentraxin 3, long	2.578	3.73E-03	textmining	None
NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	2.468	2.12E-04	experimentally determined, coexpression, textmining	T cell receptor signaling pathway, Adipocytokine signaling pathway
CD83	CD83 molecule	2.433	1.09E-03	coexpression, textmining	None
EGR2	early growth response 2	2.407	8.64E-04	experimentally determined, coexpression, textmining	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, IL4-mediated signaling events
GDF15	growth differentiation factor 15	2.350	2.50E-03	textmining	Direct p53 effectors
CCL20	chemokine (C-C motif) ligand 20	2.308	1.01E-03	curated databases, coexpression, textmining	Cytokine-cytokine receptor interaction, Class A/1 (Rhodopsin-like receptors), GPCR ligand binding, Peptide ligand-binding receptors, Chemokine receptors bind chemokines, Signaling by GPCR, GPCR downstream signaling
LIF	leukemia inhibitory factor	2.261	2.55E-03	curated databases, textmining	Cytokine-cytokine receptor interaction, JAK STAT pathway and regulation, Direct p53 effectors, Nfat and hypertrophy of the heart, GPCR signaling
MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	2.203	6.49E-04	experimentally determined, textmining	None

NR4A3	nuclear receptor subfamily 4, group A, member 3	2.202	4.58E-03	experimentally determined, textmining	None
BCL2A1	BCL2-related protein A1	2.139	8.09E-04	experimentally determined, curated databases, textmining	None
PPP1R15A	protein phosphatase 1, regulatory subunit 15A	2.136	1.26E-04	textmining	None
TNFAIP2	tumor necrosis factor, alpha-induced protein 2	2.114	6.85E-04	textmining	None
NR4A1	nuclear receptor subfamily 4, group A, member 1	2.107	2.78E-03	experimentally determined, coexpression, textmining	MAPK signaling pathway, Glucocorticoid receptor regulatory network, TCR, Innate Immune System
HBEGF	heparin-binding EGF-like growth factor	2.044	6.71E-04	curated databases, textmining	Signaling by GPCR, Nfat and hypertrophy of the heart, GPCR signaling, Innate Immune System
CX3CL1	chemokine (C-X3-C motif) ligand 1	2.007	6.49E-04	textmining	Cytokine-cytokine receptor interaction, Class A/1 (Rhodopsin-like receptors), GPCR ligand binding, Peptide ligand-binding receptors, Chemokine receptors bind chemokines, Direct p53 effectors, Signaling by GPCR
GEM	GTP binding protein overexpressed in skeletal muscle	1.951	8.52E-03	experimentally determined, textmining	None
EGR1	early growth response 1	1.894	3.28E-02	experimentally determined, curated databases, protein homology, textmining	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, AP-1 transcription factor network, Glucocorticoid receptor regulatory network, Downstream signaling in naïve CD8+ T cells, Oncostatin_M, TCR, Cytokine Signaling in Immune system
PTGER4	prostaglandin E receptor 4 (subtype EP4)	1.891	7.20E-04	textmining	Class A/1 (Rhodopsin-like receptors), GPCR ligand binding, Signaling by GPCR, GPCR downstream signaling
ICAM1	intercellular adhesion molecule 1	1.872	1.22E-03	curated databases, coexpression, textmining	Glucocorticoid receptor regulatory network, Toll-Like Receptors Cascades, Activated TLR4 signalling, Toll Like Receptor 4 (TLR4) Cascade, Cytokine Signaling in Immune system, Toll-like receptor signaling pathway, Innate Immune System

BDKRB1	bradykinin receptor B1	1.866	6.73E-03	curated databases	Class A/1 (Rhodopsin-like receptors), GPCR ligand binding, Peptide ligand-binding receptors, Signaling by GPCR, GPCR downstream signaling
GADD45B	growth arrest and DNA-damage-inducible, beta	1.825	1.03E-03	textmining	MAPK signaling pathway, IL12-mediated signaling events
CXCL2	chemokine (C-X-C motif) ligand 2	1.820	3.96E-03	coexpression, curated databases	Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway, Class A/1 (Rhodopsin-like receptors), GPCR ligand binding, Peptide ligand-binding receptors, Chemokine receptors bind chemokines, Signaling by GPCR, GPCR downstream signaling
EGR3	early growth response 3	1.780	6.68E-04	experimentally determined, textmining	Calcineurin-regulated NFAT-dependent transcription in lymphocytes
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	1.699	1.70E-03	experimentally determined, coexpression, textmining	CD40/CD40L signaling, NOD-like receptor signaling pathway, Tnfr2 signaling pathway, TNF receptor signaling pathway, Innate Immune System
NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	1.647	2.48E-03	experimentally determined, textmining	None
CORO6	coronin 6	1.621	1.22E-03	experimentally determined, coexpression, textmining	None
LRIG3	leucine-rich repeats and immunoglobulin-like domains 3	-1.608	1.02E-03	experimentally determined, textmining	None
ACTL10	actin-like 10	-1.765	2.91E-03	experimentally determined, coexpression, textmining	None
HIST1H2BF	histone cluster 1, H2bf	-1.959	4.94E-02	experimentally determined, coexpression, textmining	None