

Supplemental Table 1: Relevance of receptors examined in this study in the life cycle of DENV in humans.

	Receptor	Alternate names (gene name)	Role in the DENV lifecycle	References
Attachment/entry receptors	DC-SIGN	dendritic cell-specific intercellular adhesion molecule-3-grabbing non-integrin, CLEC4L (CD209)	<ul style="list-style-type: none"> • C-type lectin receptor that binds DENV E protein N-linked glycans for attachment to cells • N-linked glycosylation on the neck domain may regulate oligomeric state • Promoter single nucleotide polymorphisms (SNPs) are associated with disease severity 	(Tassaneetrithep, Burgess et al. 2003, Despres, Sakuntabhai et al. 2005, Serrano-Gomez, Martinez-Nunez et al. 2007)
	MR	mannose receptor, CD206 (MRC1)	<ul style="list-style-type: none"> • C-type lectin receptor that binds glycans on DENV E protein for attachment to cells • Glycosylation modulates binding activity • Co-ordinates with CLEC5A for cooperative interaction leading to infection 	(Su, Tsang et al. 2005, Miller, de Wet et al. 2008, Lo, Liou et al. 2016)
	TIM4	T-cell immunoglobulin- and mucin-domain-containing molecule (TIMD4)	<ul style="list-style-type: none"> • A phosphatidylserine receptor that mediates DENV entry 	(Meertens, Carnec et al. 2012)
	FcγRIIA	CD32a (FCGR2A)	<ul style="list-style-type: none"> • Major Fc receptor implicated in antibody dependent enhancement (ADE) infection with DENV • Low affinity IgG receptor that is N-glycosylated • Association between SNPs in this receptor and the severity of DENV infection 	(Kontny, Kurane et al. 1988, Littau, Kurane et al. 1990, Mady, Erbe et al. 1991, Loke, Bethell et al. 2002, Rodrigo, Jin et al. 2006, Rodrigo, Block et al. 2009, Garcia, Sierra et al. 2010, Boonnak, Slike et al. 2013)
	FcγRIA	CD64 (FCGR1A)	<ul style="list-style-type: none"> • N-linked glycoprotein with high affinity for IgG antibodies that mediates phagocytosis thereby enhancing infection of DENV via immune complexes (i.e. mediates ADE) 	
	CD14	(CD14)	<ul style="list-style-type: none"> • LPS-binding CD14-associated molecule is a receptor for DENV on human monocytes 	(Chen, Wang et al. 1999, Alhoot, Wang et al. 2011)
	CD11b	Intergrin αM chain, Mac1α, CR3 α chain (ITGAM)	<ul style="list-style-type: none"> • Associates with CD18 to form the complement receptor 3 • Dengue fever patients have reduced CD11b expression on monocytes • Blocking CD11b reduces DENV infection of <i>ex vivo</i> monocytes and secreted TNFα and IFNα 	(Marinho, Azeredo et al. 2014)
Immune receptors	CLEC5A	MDL-1 (CLEC5A)	<ul style="list-style-type: none"> • C-type lectin receptor that binds DENV and in conjunction with DAP12 signals for induction of proinflammatory cytokines • DENV triggering of CLEC5A activation mediates production of nitric oxide and TNFα leading to shock in mice • SNPs in CLEC5A are associated with dengue disease severity 	(Chen, Lin et al. 2008, Cheung, Shen et al. 2011, Xavier-Carvalho, Gibson et al. 2013, Xavier-Carvalho, Cezar et al. 2017)
	CCR5	C-C chemokine receptor 5, CD195 (CCR5)	<ul style="list-style-type: none"> • Inflammatory chemokine receptor for multiple chemokines, including MIP-1α, MIP-1β and RANTES • DENV infection induces release of MIP-1β and RANTES • CCR5 activation is required for DENV replication 	(Marques, Guabiraba et al. 2015)
	IFNγR1	CD119 (IFNGR1)	<ul style="list-style-type: none"> • Ligand binding chain of the IFNγ receptor that mediates the response to IFNγ, an important cytokine produced during dengue infection that directs innate and adaptive immune responses 	(Diamond, Edgil et al. 2000)
	TNFαR1	CD120a (TNFRSF1A)	<ul style="list-style-type: none"> • Main receptor for soluble TNFα, binding promotes production of pro-inflammatory cytokines 	(Santos, de Moura et al. 2017)

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