

S4 Table. Genes differentially expressed in ZIKV-exposed COL.wMel midguts 7dpf.

Gene ID	Product Description	Gene Name or Symbol
AAEL000080	phosphoenolpyruvate carboxykinase	N/A
AAEL000128	P130	N/A
AAEL000271	gamma-glutamyl hydrolase	N/A
AAEL000294	unspecified product	N/A
AAEL000323	cysteine-rich venom protein, putative	N/A
AAEL000416	FHA domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4EV1]	N/A
AAEL000488	unspecified product	N/A
AAEL000512	Dynein heavy chain [Source:UniProtKB/TrEMBL;Acc:A0A1S4EW29]	N/A
AAEL000566	unspecified product	N/A
AAEL000636	unspecified product	N/A
AAEL000713	reticulon/nogo	N/A
AAEL000757	anterior fat body protein	N/A
AAEL000859	unspecified product	N/A
AAEL000898	unspecified product	N/A
AAEL000902	sugar transporter	N/A
AAEL000905	unspecified product	N/A
AAEL000923	unspecified product	N/A
AAEL001062	unspecified product	N/A
AAEL001209	sodium-dependent phosphate transporter	N/A
AAEL001232	tubulointerstitial nephritis antigen	N/A
AAEL001254	unspecified product	N/A
AAEL001421	high density lipoprotein binding protein / vigilin	N/A
AAEL001434	coronin	N/A
AAEL001511	unspecified product	N/A
AAEL001532	FAD NAD binding oxidoreductases	N/A
AAEL001580	otefin, putative	N/A
AAEL001632	multicopper oxidase	N/A
AAEL001650	ML domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4EZ1]	N/A
AAEL001667	multicopper oxidase	N/A
AAEL001749	ventrithoid transmembrane protein, putative	N/A
AAEL001816	glucosyl/glucuronosyl transferases	N/A
AAEL001818	unspecified product	N/A
AAEL001837	Lipase [Source:UniProtKB/TrEMBL;Acc:A0A1S4EZ5]	N/A

AAEL001900	lactosylceramide 4-alpha-galactosyltransferase (alpha-1,4-galactosyltransferase)	N/A
AAEL001905	unspecified product	N/A
AAEL001919	protein tyrosine phosphatase, non-receptor type nt1	N/A
AAEL001986	kinesin-like protein KIF1B	N/A
AAEL002036	unspecified product	N/A
AAEL002080	septin interacting protein, putative	N/A
AAEL002102	unspecified product	N/A
AAEL002109	unspecified product	N/A
AAEL002130	ecdysone inducible protein L2, putative	N/A
AAEL002176	inosine-uridine preferring nucleoside hydrolase	N/A
AAEL002199	unspecified product	N/A
AAEL002235	unspecified product	N/A
AAEL002261	GTP cyclohydrolase i	N/A
AAEL002309	Thioredoxin Peroxidase.	TPX4
AAEL002467	unspecified product	N/A
AAEL002557	cationic amino acid transporter	N/A
AAEL002623	unspecified product	N/A
AAEL002652	unspecified product	N/A
AAEL002661	Matrix metalloproteinase [Source:UniProtKB/TrEMBL;Acc:A0A1S4F2E2]	N/A
AAEL002671	unspecified product	N/A
AAEL002690	beat protein	N/A
AAEL002714	kinesin-like protein KIF23 (mitotic kinesin-like protein 1)	N/A
AAEL002757	unspecified product	N/A
AAEL002796	l-asparaginase i	N/A
AAEL002848	tubulin beta chain	N/A
AAEL002854	F-box domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4F302]	N/A
AAEL002886	thioredoxin reductase	N/A
AAEL002919	unspecified product	N/A
AAEL002921	unspecified product	N/A
AAEL002978	leucyl aminopeptidase, putative	N/A
AAEL003051	unspecified product	N/A
AAEL003063	Semaphorin [Source:UniProtKB/TrEMBL;Acc:A0A1S4F3R5]	N/A
AAEL003294	fibrinogen and fibronectin	N/A
AAEL003317	alkaline phosphatase	N/A
AAEL003589	transcription factor, putative	N/A
AAEL003619	sodium/chloride dependent amino acid transporter	N/A

AAEL003681	unspecified product	N/A
AAEL003712	C-Type Lysozyme (Lys-E).	LYSC10
AAEL003950	helicase	N/A
AAEL003951	unspecified product	N/A
AAEL004090	unspecified product	N/A
AAEL004092	deoxyribonuclease I, putative	N/A
AAEL004126	sterol desaturase	N/A
AAEL004206	unspecified product	N/A
AAEL004212	unspecified product	N/A
AAEL004302	unspecified product	N/A
AAEL004310	p15-2a protein, putative	N/A
AAEL004319	epidermal growth factor receptor	N/A
AAEL004386	chorion peroxidase	pxt
AAEL004392	IAP-antagonist Michelob_x-like Protein	IMP
AAEL004520	cAMP/cgmp cyclic nucleotide phosphodiesterase	N/A
AAEL004710	spingomyelin synthetase	N/A
AAEL004729	unspecified product	N/A
AAEL004868	hemomucin	N/A
AAEL004870	cytochrome P450	CYP18A1
AAEL004964	unspecified product	N/A
AAEL004981	cation-transporting ATPase	N/A
AAEL005008	aquaporin	N/A
AAEL005071	GTP binding protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4F9G8]	N/A
AAEL005255	PAR-domain protein 1	PDP1
AAEL005342	unspecified product	N/A
AAEL005347	unspecified product	N/A
AAEL005417	annexin x	N/A
AAEL005428	unspecified product	N/A
AAEL005432	unspecified product	N/A
AAEL005455	CTP synthase [Source:UniProtKB/TrEMBL;Acc:Q17A05]	CTPsyn
AAEL005503	unspecified product	N/A
AAEL005666	matrix metalloproteinase	N/A
AAEL005701	retinaldehyde binding protein	N/A
AAEL005704	unspecified product	N/A
AAEL005791	unspecified product	N/A
AAEL005839	uridine phosphorylase	N/A
AAEL005977	chondroitin 4-sulfotransferase	N/A

AAEL005992	adam (a disintegrin and metalloprotease)	N/A
AAEL006028	unspecified product	N/A
AAEL006034	Vanin-like protein 1 precursor, putative	N/A
AAEL006054	peptidyl-prolyl cis-trans isomerase (cyclophilin)	N/A
AAEL006171	n-myc downstream regulated	N/A
AAEL006216	unspecified product	N/A
AAEL006277	unspecified product	N/A
AAEL006321	1-acylglycerol-3-phosphate acyltransferase [Source:UniProtKB/TrEMBL;Acc:Q176M5]	N/A
AAEL006355	Class C Scavenger Receptor (Sushi/SCR/CCP MAM and Somatomedin B domains).	SCRC1
AAEL006361	Class C Scavenger Receptor (Sushi/SCR/CCP MAM and Somatomedin B domains).	SCRC2
AAEL006449	ser/thr protein kinase-lyk4	N/A
AAEL006480	unspecified product	N/A
AAEL006518	cytidine deaminase, putative	N/A
AAEL006663	ANK_REP_REGION domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4FEA3]	N/A
AAEL006686	unspecified product	N/A
AAEL006708	hedgehog	N/A
AAEL006723	unspecified product	N/A
AAEL006809	voltage-gated ion channel	N/A
AAEL006902	serine-type enodpeptidase,	N/A
AAEL006921	calmodulin	N/A
AAEL006978	protein-glutamine gamma-glutamyltransferase	N/A
AAEL007004	GPCR Bride of Sevenless Family	GPRBOS1
AAEL007018	udp-glucose 4-epimerase	N/A
AAEL007030	ceramidase	N/A
AAEL007097	4-nitrophenylphosphatase [Source:UniProtKB/TrEMBL;Acc:Q0IF18]	N/A
AAEL007120	lim homeobox protein	N/A
AAEL007191	amino acid transporter	N/A
AAEL007208	unspecified product	N/A
AAEL007238	DUF3421 domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4FG14]	N/A
AAEL007258	unspecified product	N/A
AAEL007271	basic helix-loop-helix zip transcription factor	N/A
AAEL007299	Cadherin, putative [Source:UniProtKB/TrEMBL;Acc:A0A1S4FG21]	N/A
AAEL007344	LITAF domain-containing protein [Source:UniProtKB/TrEMBL;Acc:A0A1S4FG64]	N/A
AAEL007547	chloride channel protein	N/A

AAEL007560	core 1 udp-galactose:n-acetylgalactosamine-alpha-r beta 1,3-galactosyltransferase	N/A
AAEL007657	low-density lipoprotein receptor (ldl)	N/A
AAEL007765	Serine Protease Inhibitor (serpin) likely cleavage at K/R. Transcript A.	SRPN10
AAEL007778	leucine-rich transmembrane protein	N/A
AAEL007872	unspecified product	N/A
AAEL007880	ornithine decarboxylase	N/A
AAEL007942	fibrinogen and fibronectin	N/A
AAEL007993	Clip-Domain Serine Protease family B.	CLIPB27
AAEL008024	unspecified product	N/A
AAEL008027	unspecified product	N/A
AAEL008028	monocarboxylate transporter	N/A
AAEL008097	trypsin-eta, putative	N/A
AAEL008141	period circadian protein	PER
AAEL008267	GPCR Neurokinin/Tachykinin Family	GPRNPR5
AAEL008306	mitogen activated protein kinase kinase kinase 5, mapkkk5, mekk5	N/A
AAEL008346	achaete-scute complex protein T3, putative	N/A
AAEL008467	cysteine synthase	N/A
AAEL008468	cysteine synthase	N/A
AAEL008473	cysteine-rich venom protein, putative	N/A
AAEL008511	unspecified product	N/A
AAEL008547	unspecified product	N/A
AAEL008622	jnk	N/A
AAEL008655	GPCR Vasopressin Family	GPRVPR2
AAEL008658	leucine-rich immune protein (TM)	LRIM16
AAEL008760	unspecified product	N/A
AAEL008767	serine protease	N/A
AAEL008782	serine-type endopeptidase,	N/A
AAEL008829	unspecified product	N/A
AAEL008832	forkhead box protein (AegFOXN1)	N/A
AAEL008843	unspecified product	N/A
AAEL008910	unspecified product	N/A
AAEL008916	unspecified product	N/A
AAEL008921	myosin regulatory light chain 2 smooth muscle	N/A
AAEL008953	unspecified product	N/A
AAEL009070	unspecified product	N/A
AAEL009114	unspecified product	N/A
AAEL009185	arginine or creatine kinase	N/A

AAEL009249	Coronin [Source:UniProtKB/TrEMBL;Acc:A0A1S4FM51]	N/A
AAEL009317	rab11	N/A
AAEL009333	unspecified product	N/A
AAEL009371	unspecified product	N/A
AAEL009556	Niemann-Pick Type C-2, putative	N/A
AAEL009645	unspecified product	N/A
AAEL009681	Putative rhomboid family [Source:UniProtKB/TrEMBL;Acc:A0A0P6IZ43]	N/A
AAEL009762	cytochrome P450	CYP307A1
AAEL009813	glutamate receptor 7 (ampa)	N/A
AAEL009842	Galectin [Source:UniProtKB/TrEMBL;Acc:Q16UP1]	GALE12
AAEL009850	Galectin [Source:UniProtKB/TrEMBL;Acc:Q16UP0]	GALE14
AAEL009987	unspecified product	N/A
AAEL010050	unspecified product	N/A
AAEL010075	oxidoreductase	N/A
AAEL010084	unspecified product	N/A
AAEL010094	cyclin b	N/A
AAEL010145	sodium/potassium-dependent ATPase beta-2 subunit	N/A
AAEL010264	unspecified product	N/A
AAEL010270	unspecified product	N/A
AAEL010375	unspecified product	N/A
AAEL010477	unspecified product	N/A
AAEL010483	oxysterol-binding protein related protein (ORP8)	ORP8
AAEL010650	sodium/solute symporter	N/A
AAEL010661	phospholipid scramblase 1,	N/A
AAEL010678	unspecified product	N/A
AAEL010738	sodium bicarbonate cotransporter	N/A
AAEL010776	carboxypeptidase	N/A
AAEL010782	carboxypeptidase	N/A
AAEL010840	unspecified product	N/A
AAEL010932	RNAse h	N/A
AAEL010956	unspecified product	N/A
AAEL011009	fibrinogen and fibronectin	N/A
AAEL011203	unspecified product	N/A
AAEL011264	phosphatidylethanolamine-binding protein	N/A
AAEL011424	Histone H3 [Source:UniProtKB/TrEMBL;Acc:A0A1S4FTJ0]	N/A
AAEL011510	multiple inositol polyphosphate phosphatase	N/A
AAEL011598	Gustatory receptor [Source:UniProtKB/TrEMBL;Acc:A0A1S4FU22]	N/A

AAEL011648	cyclin d	N/A
AAEL011650	coatomer, gamma-subunit, putative	N/A
AAEL011653	thyroid hormone receptor interactor	N/A
AAEL011901	1-acyl-sn-glycerol-3-phosphate acyltransferase	N/A
AAEL011937	glucosyl/glucuronosyl transferases	N/A
AAEL012003	Galectin [Source:UniProtKB/TrEMBL;Acc:Q17AG2]	GALE6B
AAEL012014	L-lactate dehydrogenase [Source:UniProtKB/TrEMBL;Acc:Q16ND1]	N/A
AAEL012052	unspecified product	N/A
AAEL012062	Na ⁺ /K ⁺ ATPase alpha subunit	N/A
AAEL012349	lipase 1 precursor	N/A
AAEL012390	unspecified product	N/A
AAEL012410	eukaryotic translation initiation factor 2C	AGO1b
AAEL012499	Histone H2A [Source:UniProtKB/TrEMBL;Acc:Q16LW9]	N/A
AAEL012514	translation initiation factor 2b, delta subunit	N/A
AAEL012522	Sodium-dependent phosphate transporter [Source:UniProtKB/TrEMBL;Acc:A0A1S4FWV3]	N/A
AAEL012545	Proliferating cell nuclear antigen [Source:UniProtKB/TrEMBL;Acc:Q4PKD7]	N/A
AAEL012629	deoxyuridine 5'-triphosphate nucleotidohydrolase	N/A
AAEL012859	unspecified product	N/A
AAEL012960	importin alpha	N/A
AAEL013111	glutamate transporter	N/A
AAEL013262	unspecified product	N/A
AAEL013276	acid phosphatase	N/A
AAEL013304	unspecified product	N/A
AAEL013309	high-affinity copper uptake protein	N/A
AAEL013345	alphaA-crystallin, putative	N/A
AAEL013346	lethal(2)essential for life protein, l2efl	N/A
AAEL013348	lethal(2)essential for life protein, l2efl	N/A
AAEL013349	lethal(2)essential for life protein, l2efl	N/A
AAEL013350	heat shock protein 26kD, putative	N/A
AAEL013351	lethal(2)essential for life protein, l2efl	N/A
AAEL013352	lethal(2)essential for life protein, l2efl	N/A
AAEL013692	PIWI	PIWI3
AAEL013713	trypsin	N/A
AAEL013780	unspecified product	N/A
AAEL013808	fascin	N/A
AAEL013875	tetraspanin, putative	N/A
AAEL014019	cytochrome P450	CYP4J16

AAEL014226	unspecified product	N/A
AAEL014251	Inhibitor of Apoptosis (IAP) containing Baculoviral IAP Repeat(s) (BIR domains).	IAP5
AAEL014348	caspase (short)	CASPS8
AAEL014363	unspecified product	N/A
AAEL014408	m-phase inducer phosphatase(cdc25)	N/A
AAEL014439	juvenile hormone-inducible protein, putative	N/A
AAEL014454	unspecified product	N/A
AAEL014541	maltose phosphorylase	N/A
AAEL014567	oviductin	N/A
AAEL014945	unspecified product	N/A
AAEL014981	unspecified product	N/A
AAEL016975	unspecified product	N/A
AAEL017331	unspecified product	N/A
AAEL017553	Carboxy/choline esterase Alpha Esterase	CCEAE2B
AAEL018039	unspecified product	N/A
AAEL018118	unspecified product	N/A
AAEL018120	Ribosomal protein S6 kinase [Source:UniProtKB/TrEMBL;Acc:Q535V4]	N/A
AAEL019504	unspecified product	N/A
AAEL019536	unspecified product	N/A
AAEL019604	unspecified product	N/A
AAEL019610	unspecified product	N/A
AAEL019623	unspecified product	N/A
AAEL019677	unspecified product	N/A
AAEL019681	unspecified product	N/A
AAEL019700	unspecified product	N/A
AAEL019712	unspecified product	N/A
AAEL019722	unspecified product	N/A
AAEL019728	suppressor of cytokine signaling	SOCS
AAEL019785	unspecified product	N/A
AAEL019793	unspecified product	N/A
AAEL019902	unspecified product	N/A
AAEL019903	unspecified product	N/A
AAEL019940	unspecified product	N/A
AAEL019941	unspecified product	N/A
AAEL020654	unspecified product	N/A
AAEL020729	unspecified product	N/A
AAEL020800	unspecified product	N/A

AAEL021278	unspecified product	N/A
AAEL021318	unspecified product	N/A
AAEL021321	unspecified product	N/A
AAEL021899	unspecified product	N/A
AAEL021925	unspecified product	N/A
AAEL021931	unspecified product	N/A
AAEL022048	unspecified product	N/A
AAEL022059	pseudogene	N/A
AAEL022167	unspecified product	N/A
AAEL022628	unspecified product	N/A
AAEL022659	unspecified product	N/A
AAEL023231	unspecified product	N/A
AAEL023478	unspecified product	N/A
AAEL023490	unspecified product	N/A
AAEL023644	unspecified product	N/A
AAEL023746	unspecified product	N/A
AAEL024003	unspecified product	N/A
AAEL024222	unspecified product	N/A
AAEL024370	unspecified product	N/A
AAEL024512	pseudogene	N/A
AAEL024520	unspecified product	N/A
AAEL024558	unspecified product	N/A
AAEL024675	unspecified product	N/A
AAEL024880	unspecified product	N/A
AAEL024913	unspecified product	N/A
AAEL024940	unspecified product	N/A
AAEL025091	unspecified product	N/A
AAEL025226	unspecified product	N/A
AAEL025432	Cytidine deaminase [Source:UniProtKB/TrEMBL;Acc:Q0IF52]	N/A
AAEL025530	unspecified product	N/A
AAEL025658	unspecified product	N/A
AAEL025718	unspecified product	N/A
AAEL025818	unspecified product	N/A
AAEL025839	unspecified product	N/A
AAEL026025	unspecified product	N/A
AAEL026215	unspecified product	N/A
AAEL026343	unspecified product	N/A

AAEL026466	unspecified product	N/A
AAEL026744	unspecified product	N/A
AAEL026751	unspecified product	N/A
AAEL026981	unspecified product	N/A
AAEL027019	unspecified product	N/A
AAEL027398	unspecified product	N/A
AAEL027593	unspecified product	N/A
AAEL027610	unspecified product	N/A
AAEL027937	unspecified product	N/A
AAEL028005	unspecified product	N/A
AAEL028021	unspecified product	N/A
AAEL028048	unspecified product	N/A
AAEL028088	unspecified product	N/A
AAEL028635	unspecified product	N/A
AAEL029041	unspecified product	N/A
AAEL029044	cecropin	CECE
AAEL029046	cecropin	CECD
AAEL029082	unspecified product	N/A
AAEL029104	unspecified product	N/A
AAEL029107	unspecified product	N/A