

S2 Table. Genes that exhibited ≥ 1.5 -fold change in expression after zebrafish larval tail amputation (false discovery rate < 0.1 ; microarray hits ranked according to fold change).

Entry	Gene Symbol	Gene Description	Fold Change
Upregulated genes			
1	<i>il11a</i>	interleukin 11a	+6.27
2	<i>CU469544.1-201</i>	CU469544.1-201	+5.70
3	<i>junba</i>	jun B proto-oncogene a	+5.28
4	<i>fgf20a</i>	fibroblast growth factor 20a	+4.83
5	<i>adam8a</i>	ADAM metallopeptidase domain 8a	+4.82
6	<i>aldh1a2</i>	aldehyde dehydrogenase 1 family, member A2	+3.93
7	<i>irf8</i>	interferon regulatory factor 8	+3.78
8	<i>hrh3</i>	histamine receptor H3	+3.74
9	<i>grn1</i>	granulin 1	+3.72
10	<i>fn1b</i>	fibronectin 1b	+3.71
11	<i>stm</i>	starmaker	+3.63
12	<i>socs3b</i>	suppressor of cytokine signaling 3b	+3.59
13	<i>fstl3</i>	follistatin-like 3 (secreted glycoprotein)	+3.57
14	<i>tgm2l</i>	transglutaminase 2, like	+3.37
15	<i>LOC565793</i>	LOC565793	+3.34
16	<i>pth1a</i>	parathyroid hormone 1a	+3.19
17	<i>slc20a1a</i>	solute carrier family 20, member 1a	+3.04
18	<i>LOC100006896</i>	LOC100006896	+3.03
19	<i>cbx7a</i>	chromobox homolog 7a	+2.85
20	<i>c6</i>	complement component 6	+2.83
21	<i>serpine1</i>	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	+2.81
22	<i>mmp13a</i>	matrix metallopeptidase 13a	+2.78
23	<i>vcana</i>	versican a	+2.75
24	<i>cygb1</i>	Cytoglobin-1.	+2.73
25	<i>cmklr1</i>	chemokine-like receptor 1	+2.68
26	<i>rrad</i>	Ras-related associated with diabetes	+2.66
27	<i>zgc:158446</i>	zgc:158446	+2.66
28	<i>nuak1a</i>	NUAK family, SNF1-like kinase, 1a	+2.65
29	<i>fstb</i>	follistatin b, transcript variant 1	+2.53
30	<i>fb73b05.x1</i>	Zebrafish WashU MPIMG EST Danio rerio cDNA clone	+2.52
31	<i>lepb</i>	leptin b	+2.46
32	<i>rerglb</i>	RERG/RAS-like b	+2.46
33	<i>f2r</i>	coagulation factor II (thrombin) receptor	+2.44
34	<i>bcl2l10</i>	BCL2-like 10 (apoptosis facilitator)	+2.43
35	<i>zgc:172120</i>	zgc:172120	+2.37
36	<i>ecm2</i>	extracellular matrix protein 2, female organ and adipocyte specific	+2.36
37	<i>ctf8</i>	CTF8, chromosome transmission fidelity factor 8 homolog (S. cerevisiae)	+2.36
38	<i>alpi.1</i>	alkaline phosphatase, intestinal, tandem duplicate 1	+2.35
39	<i>dkk3b</i>	dickkopf WNT signaling pathway inhibitor 3b	+2.31
40	<i>htra1b</i>	HtrA serine peptidase 1b	+2.28
41	<i>cyth4b</i>	Cytohesin-4 (PH, SEC7 and coiled-coil domain-containing protein 4)	+2.27

42	<i>LOC562475</i>	LOC562475	+2.19
43	<i>slc16a9a</i>	solute carrier family 16, member 9a	+2.13
44	<i>tubb5</i>	tubulin, beta 5	+2.08
45	<i>RZ150A3E03.T7</i>	Zebrafish Kidney Marrow cDNA library Danio rerio cDNA clone RZ150A3E03 3-, mRNA sequence	+2.06
46	<i>zgc:158334</i>	hypothetical protein LOC791137	+2.02
47	<i>mep1a.1</i>	meprin A, alpha (PABA peptide hydrolase), tandem duplicate 1	+2.02
48	<i>sfrp1b</i>	secreted frizzled-related protein 1b	+2.00
49	<i>LOC796217</i>	LOC796217	+1.99
50	<i>ass1</i>	argininosuccinate synthase 1	+1.98
51	<i>lamc3</i>	laminin, gamma 3	+1.97
52	<i>papss1</i>	3'-phosphoadenosine 5'-phosphosulfate synthase 1	+1.95
53	<i>rnpep</i>	arginyl aminopeptidase (aminopeptidase B)	+1.94
54	<i>htra3a</i>	HtrA serine peptidase 3a	+1.94
55	<i>hpcal4</i>	hippocalcin like 4	+1.94
56	<i>entpd4</i>	ectonucleoside triphosphate diphosphohydrolase 4	+1.94
57	<i>mvp</i>	major vault protein	+1.93
58	<i>furina</i>	furin (paired basic amino acid cleaving enzyme) a	+1.93
59	<i>flvcr2b</i>	feline leukemia virus subgroup C cellular receptor family, member 2b	+1.92
60	<i>chsy1</i>	chondroitin sulfate synthase 1	+1.89
61	<i>mf145a</i>	ring finger protein 145a	+1.88
62	<i>mmp9</i>	matrix metalloproteinase 9	+1.88
63	<i>aldh1a3</i>	aldehyde dehydrogenase 1 family, member A3	+1.86
64	<i>pdia5</i>	Protein disulfide-isomerase A5 precursor (EC 5.3.4.1) (Protein disulfide isomerase-related protein)	+1.84
65	<i>LOC571588</i>	LOC571588	+1.84
66	<i>si:ch211-241e1.3</i>	novel protein laminin subunit alpha-3 (LAMA3)	+1.84
67	<i>cmpk</i>	cytidylate kinase	+1.82
68	<i>LOC100002292</i>	LOC100002292	+1.80
69	<i>pltp</i>	phospholipid transfer protein	+1.80
70	<i>scg3</i>	secretogranin III	+1.79
71	<i>tubb6</i>	tubulin, beta 6 class V	+1.79
72	<i>gad45ga</i>	growth arrest and DNA-damage-inducible, gamma a	+1.79
73	<i>clu</i>	clusterin	+1.79
74	<i>ptprua</i>	protein tyrosine phosphatase, receptor type, U, a	+1.79
75	<i>scg3</i>	Secretogranin-3 precursor (Secretogranin III) (SgIII)	+1.78
76	<i>si:ch211-137i24.10</i>	novel protein similar to vertebrate transmembrane 4 L six family member 4 (TM4SF4)	+1.78
77	<i>fyb</i>	FYN Binding protein	+1.77
78	<i>timp2b</i>	Metalloproteinase inhibitor 2 precursor (TIMP-2) (Tissue inhibitor of metalloproteinases 2) (CSC-21K)	+1.76
79	<i>ehhadh</i>	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase	+1.73
80	<i>itga5</i>	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	+1.73
81	<i>creld2</i>	cysteine-rich with EGF-like domains 2	+1.73
82	<i>has3</i>	hyaluronan synthase 3	+1.73
83	<i>adamts15a</i>	ADAM metalloproteinase with thrombospondin type 1, motif, 15a	+1.71
84	<i>cpn1</i>	carboxypeptidase N, polypeptide 1	+1.70
85	<i>mamdc2a</i>	MAM domain containing 2a	+1.67
86	<i>dpp3</i>	dipeptidyl-peptidase 3	+1.67
87	<i>col14a1a</i>	collagen, type XIV, alpha 1a	+1.65

88	<i>rasgef1bb</i>	RasGEF domain family, member 1Bb	+1.65
89	<i>homeza</i>	homeobox and leucine zipper encoding a	+1.64
90	<i>tnni1b</i>	troponin I type 1b (skeletal, slow)	+1.59
91	<i>rad52</i>	RAD52 homolog, DNA repair protein	+1.59
92	<i>snx18a</i>	sorting nexin 18a	+1.58
93	<i>zgc:77147</i>	<i>zgc:77147</i>	+1.57
94	<i>lman1</i>	lectin, mannose-binding, 1	+1.56
95	<i>slc25a25a</i>	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25a	+1.52
96	<i>b4galt7</i>	xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7 (galactosyltransferase I)	+1.52
97	<i>Q1LYC0_DANRE</i>	Novel protein (Fragment)	+1.51
Downregulated genes			
1	<i>si:busm1-71b9.3</i>	si:busm1-71b9.3 (si:busm1-71b9.3), misc RNA	-3.21
2	<i>si:busm1-71b9</i>	novel protein similar to zebrafish epithelial cadherin 1 (cdh1)	-3.01
3	<i>dkk1b</i>	dickkopf WNT signaling pathway inhibitor 1b	-2.96
4	<i>aanat2</i>	arylalkylamine N-acetyltransferase	-2.76
5	<i>zgc:153154</i>	<i>zgc:153154</i>	-2.70
6	<i>astl</i>	astacin-like metallo-endopeptidase (M12 family)	-2.42
7	<i>fq27b03.x3</i>	zebrafish adult brain cDNA clone IMAGE:4832573 3-, mRNA sequence	-2.40
8	<i>prf1.5</i>	perforin 1.5	-2.39
9	<i>fx06c11.x1</i>	Gong zebrafish ovary cDNA clone IMAGE:5619069 3-, mRNA sequence	-2.26
10	<i>si:ch211-238g23.1</i>	novel protein kinase domain containing protein	-2.23
11	<i>LOC100004613</i>	LOC100004613	-2.22
12	<i>aqp10a</i>	aquaporin 10a	-2.20
13	<i>fv44e07.x1</i>	Sugano SJD adult male cDNA clone IMAGE:5411413 3- similar to SW:PEX_MOUSE P70669 METALLOENDOPEPTIDASE HOMOLOG PEX, mRNA sequence	-2.16
14	<i>si:dkeyp-79b7.4</i>	novel protein	-2.15
15	<i>ucp1</i>	uncoupling protein 1	-2.07
16	<i>zgc:110712</i>	novel keratin protein (<i>zgc:110712</i>)	-2.04
17	<i>atp8b3</i>	ATPase, aminophospholipid transporter, class I, type 8B, member 3	-2.03
18	<i>fjx1</i>	four jointed box 1	-2.02
19	<i>slc10a1</i>	solute carrier family 10 (sodium/bile acid cotransporter), member 1	-1.97
20	<i>lamb2l</i>	laminin, beta 2-like	-1.94
21	<i>zgc:113307</i>	<i>zgc:113307</i>	-1.94
22	<i>LOC556634</i>	LOC556634	-1.93
23	<i>LOC100001952</i>	LOC100001952	-1.87
24	<i>smim8</i>	small integral membrane protein 8	-1.87
25	<i>gyg1b</i>	glycogenin 1b	-1.84
26	<i>anxa1c</i>	annexin A1c	-1.83
27	<i>egfl7</i>	EGF-like-domain, multiple 7	-1.83
28	<i>tm7sf2</i>	transmembrane 7 superfamily member 2	-1.83
29	<i>Q1MT48_DANRE</i>	Novel protein similar to vertebrate transducin-like enhancer family (E(Sp1) homolog Drosophila) (Fragment)	-1.79
30	<i>si:dkey-73p2.2</i>	si:dkey-73p2.2	-1.78
31	<i>eif43bp3</i>	eukaryotic translation initiation factor 4E binding protein 3	-1.75
32	<i>LOC560375</i>	LOC560375	-1.72

33	<i>scn4ba</i>	sodium channel, voltage-gated, type IV, beta a	-1.70
34	<i>tuba7l</i>	tubulin, alpha 7 like	-1.70
35	<i>p2rx1</i>	purinergic receptor P2X, ligand-gated ion channel, 1	-1.64
36	<i>ankrd22</i>	ankyrin repeat domain 22	-1.64
37	<i>LOC100003522</i>	LOC100003522	-1.61
38	<i>si:dkeyp-32b1.1</i>	novel protein similar to vertebrate lysyl oxidase-like 2 (LOXL2)	-1.61
39	<i>si:dkey-98p3.2</i>	si:dkey-98p3.2	-1.61
40	<i>phex</i>	phosphate regulating endopeptidase homolog, X-linked	-1.60
41	<i>dpt</i>	dermatopontin	-1.59
42	<i>ugt5a5</i>	UDP glucuronosyltransferase 5 family, polypeptide A5	-1.58
43	<i>slc43a1b</i>	solute carrier family 43 (amino acid system L transporter), member 1b	-1.58
44	<i>zgc:92360</i>	hypothetical protein LOC436988	-1.52
45	<i>tmtopsb</i>	teleost multiple tissue opsin b	-1.50