

**Table S3: Clone identifier and common names of genes from gill tissue that passed one-way ANOVA for 'Treatment'**

Clone identifier	Common name	P-value
Gm_23f08	Unclassifiable	0.0494
Gm_44o12	Prostasin precursor (EC 3.4.21.-)	0.0494
Gm_36m07	Protein disulfide-isomerase precursor (EC 5.3.4.1) (PDI)	0.0494
Gm_45k22	Elongation of very long chain fatty acids protein 1	0.0477
Gm_20f07	Putative adenosylhomocysteinase 2 (EC 3.3.1.1)	0.0477
Gm_36p10	150 kDa oxygen-regulated protein precursor (Orp150)	0.0477
Gm_47f10	Serine/threonine protein phosphatase 4 catalytic subunit	0.0477
Gm_46m11	Nuclear factor erythroid 2 related factor 1 (NF-E2 related)	0.0477
Gm_32a20	Transmembrane emp24 domain containing protein 9 precursor	0.0477
Gm_09i20	Eukaryotic translation initiation factor 3 subunit 1	0.0477
Gm_44h09	Alpha-1 catenin (102 kDa cadherin-associated protein)	0.0477
Gm_49g03	Neuroblast differentiation associated protein AHNAK	0.0477
Gm_10o19	Parvalbumin alpha (A1)	0.0477
Gm_14f15	Fructose-bisphosphate aldolase A (EC 4.1.2.13)	0.0477
Gm_48l16	similar to periaxin [Mus musculus]	0.0475
Gm_47b10	Alpha-1 catenin (102 kDa cadherin-associated protein)	0.0463
Gm_40g05	Protein disulfide-isomerase A3 precursor (EC 5.3.4.1)	0.0463
Gm_40h13	Unclassifiable	0.0463
Gm_44o10	FK506-binding protein 1B (EC 5.2.1.8) (Peptidyl-prolyl cAMP response element binding protein 2 (CREB2) (Cyclic	0.0463
Gm_46g12	Creatine kinase, M chain (EC 2.7.3.2) (M-CK)	0.0463
Gm_14a08	Myosin regulatory light chain 2, skeletal muscle isoform	0.0463
Gm_14b15	Discoidin, CUB and LCCL domain containing protein 2	0.0463
Gm_47m11	Mitochondrial glutamate carrier 1 (Glutamate/H(+))	0.0463
Gm_11k12	Beta-1,3-galactosyltransferase 8 (EC 2.4.1.-)	0.0463
Gm_18e01	14-3-3-like protein 2	0.0463
Gm_36h20	Heat shock protein HSP 90-alpha	0.0463
Gm_32f12	L-lactate dehydrogenase A chain (EC 1.1.1.27) (LDH-A)	0.0463
Gm_23o02	Alpha-actinin 1 (Alpha-actinin cytoskeletal isoform)	0.0411
Gm_46n16	Beta-1,3-galactosyltransferase 8 (EC 2.4.1.-)	0.0411
Gm_47l24	Chloride intracellular channel 6	0.0411
Gm_11h16	14-3-3-like protein 2	0.0411
Gm_36g23	Eukaryotic translation initiation factor 3 subunit 1	0.0411
Gm_09h23	Keratin, type II cytoskeletal 8 (Cytokeratin 8)	0.0411
Gm_09n24	Tubulin beta chain (Beta tubulin)	0.0411
Gm_38j10	Arginase II, mitochondrial precursor (EC 3.5.3.1)	0.0411
Gm_40e12	Tubulointerstitial nephritis antigen-like precursor	0.0411
Gm_37h11	Histamine N-methyltransferase (EC 2.1.1.8) (HMT)	0.0411
Gm_37l06	Alpha-amino adipic semialdehyde synthase, mitochondrial	0.0411
Gm_32c16	Suppressor of G2 allele of SKP1 homolog	0.0257