

Table 3. List of genes down regulated ≥ 3 fold upon G3PDH gene silencing.

Gene ID	Expression level		Fold change	Gene Name	q_value
	pSAP2G	G3PDHgs			
EH1_099700	71.69	0.45	160.6	NAD(FAD)-dependent dehydrogenase, putative	4.77E-04
EH1_144490	124.22	0.96	129.0	hypothetical protein, conserved	4.77E-04
EH1_119040	4.27	0.12	35.4	AIG1 family protein, putative	6.20E-03
EH1_054820	1.71	0.05	32.7	FAD dependent oxidoreductase, pseudogene, putative	3.80E-03
EH1_074090	69.91	3.55	19.7	40S ribosomal protein S14, putative	4.77E-04
EH1_041465	14.86	0.83	17.8	AIG family protein	4.77E-04
EH1_110980	36.51	2.43	15.0	Rho guanine nucleotide exchange factor, putative	4.77E-04
EH1_072740	1.73	0.12	13.8	hypothetical protein	4.77E-04
EH1_073060	4.38	0.33	13.2	hypothetical protein, conserved	4.77E-04
EH1_190460	15.36	1.56	9.9	amino acid transporter, putative	4.77E-04
EH1_161000	21.42	2.24	9.6	ser/thr protein phosphatase family protein	4.77E-04
EH1_109020	3.31	0.36	9.1	ABC transporter, pseudogene, putative	4.77E-04
EH1_180940	0.73	0.08	9.0	hypothetical protein	2.90E-03
EH1_176590	16.46	1.83	9.0	AIG1 family protein, putative	4.77E-04
EH1_151780	2.40	0.28	8.6	hypothetical protein	4.77E-04
EH1_114950	15.50	1.85	8.4	hypothetical protein, conserved	4.77E-04
EH1_125000	0.54	0.07	8.1	hypothetical protein	4.24E-02
EH1_126200	2.17	0.27	8.0	hypothetical protein	1.98E-02
EH1_062990	2.64	0.34	7.8	hypothetical protein	8.84E-04
EH1_176700	48.37	6.36	7.6	AIG1 family protein, putative	4.77E-04
EH1_174280	4.09	0.54	7.6	phospholipid-translocating P-type ATPase, putative	4.77E-04
EH1_154310	59.67	8.52	7.0	hypothetical protein	4.77E-04
EH1_104720	1.22	0.18	6.9	hypothetical protein	4.77E-04
EH1_174230	2.91	0.42	6.9	hypothetical protein	4.77E-04
EH1_176960	15.13	2.29	6.6	hypothetical protein	4.77E-04
EH1_018840	1.23	0.19	6.6	leucine rich repeat protein, BspA family	4.77E-04
EH1_180650	4.03	0.62	6.5	cysteine protease, putative	4.77E-04
EH1_199470	2.37	0.37	6.5	AIG1 family protein	4.77E-04
EH1_189155	10.04	1.56	6.5	hypothetical protein	4.77E-04
EH1_124190	2.31	0.36	6.4	40S ribosomal protein S6, putative	4.77E-04
EH1_111960	2.29	0.36	6.4	leucine rich repeat protein, BspA family	1.51E-02
EH1_142750	1.45	0.24	6.1	hypothetical protein	4.77E-04
EH1_180390	55.06	9.05	6.1	AIG1 family protein, putative	4.77E-04
EH1_171070	1.42	0.24	5.8	hypothetical protein	3.63E-02
EH1_142670	6.78	1.19	5.7	hypothetical protein, conserved	4.77E-04
EH1_109010	2.10	0.37	5.7	hypothetical protein	4.77E-04
EH1_180400	0.42	0.07	5.6	hypothetical protein	2.27E-03
EH1_082260	0.71	0.13	5.4	CXXC-rich protein	4.77E-04
EH1_118130	0.42	0.08	5.4	C2 domain containing protein	8.76E-03
EH1_087430	3.94	0.74	5.3	hypothetical protein	4.77E-04
EH1_084710	14.94	2.84	5.3	hypothetical protein	4.77E-04
EH1_036390	0.47	0.09	5.2	hypothetical protein	8.84E-04
EH1_177560	51.47	10.09	5.1	RNA recognition motif domain containing protein	4.77E-04
EH1_193520	1.86	0.37	5.1	regulator of nonsense transcripts, putative	4.77E-04
EH1_174270	9.40	1.92	4.9	hypothetical protein	4.77E-04
EH1_033740	2.40	0.49	4.8	F-actin capping protein alpha subunit, putative	4.77E-04
EH1_118410	0.45	0.09	4.8	tyrosine kinase, putative	4.77E-04
EH1_127440	1.04	0.22	4.8	tyrosine kinase, putative	4.77E-04
EH1_188140	6.29	1.32	4.8	hypothetical protein	4.77E-04
EH1_070130	1.08	0.23	4.8	hypothetical protein	3.75E-02
EH1_062080	0.67	0.14	4.7	hypothetical protein	1.26E-03
EH1_117470	128.97	27.39	4.7	calmodulin, putative	4.77E-04
EH1_048680	6.69	1.44	4.6	60S ribosomal protein L12, putative	4.77E-04
EH1_178050	0.76	0.16	4.6	ATP-binding cassette protein, putative	4.77E-04
EH1_187290	6.58	1.44	4.6	hypothetical protein	4.77E-04
EH1_051440	13.97	3.08	4.5	hypothetical protein	4.77E-04
EH1_182150	1.62	0.36	4.5	hypothetical protein	1.26E-03
EH1_059700	2.64	0.60	4.4	heat shock protein 70, putative	4.77E-04
EH1_054680	8.70	1.99	4.4	hypothetical protein	4.77E-04
EH1_150410	1.00	0.23	4.3	hypothetical protein	5.18E-03
EH1_038150	4.82	1.11	4.3	hypothetical protein	4.77E-04

EHI_188860	22.12	5.15	4.3	hypothetical protein	4.77E-04
EHI_074750	100.05	23.72	4.2	Ras family GTPase	4.77E-04
EHI_103870	9.38	2.24	4.2	hypothetical protein	4.77E-04
EHI_075150	5.24	1.26	4.2	NAD-specific glutamate dehydrogenase, putative	4.77E-04
EHI_176580	15.86	3.86	4.1	AIG1 family protein, putative	4.77E-04
EHI_091740	0.62	0.15	4.1	hypothetical protein	1.31E-02
EHI_163240	909.83	222.06	4.1	phosphatidate cytidyltransferase, putative	4.77E-04
EHI_035100	302.27	74.02	4.1	hypothetical protein	4.77E-04
EHI_138070	10.51	2.58	4.1	hypothetical protein	4.77E-04
EHI_029500	4.53	1.13	4.0	hypothetical protein	1.26E-03
EHI_060010	2.44	0.62	3.9	hypothetical protein	4.77E-04
EHI_180140	1.09	0.28	3.9	hypothetical protein	4.77E-04
EHI_192410	5.96	1.52	3.9	hypothetical protein	4.77E-04
EHI_107160	1.88	0.48	3.9	hypothetical protein	4.77E-04
EHI_035120	18.20	4.64	3.9	hypothetical protein	4.77E-04
EHI_067070	0.76	0.20	3.8	protein kinase, putative	4.77E-04
EHI_011170	4.23	1.11	3.8	protein kinase, putative	4.77E-04
EHI_164390	5.56	1.46	3.8	zinc finger domain containing protein	4.77E-04
EHI_110330	1.59	0.42	3.8	hypothetical protein	4.77E-04
EHI_143090	19.60	5.18	3.8	hypothetical protein, conserved	4.77E-04
EHI_033900	4.69	1.24	3.8	hypothetical protein, conserved	4.77E-04
EHI_045340	59.30	15.70	3.8	glutamate synthase beta subunit, putative	4.77E-04
EHI_180930	3.49	0.93	3.8	hypothetical protein	4.77E-04
EHI_187400	0.99	0.26	3.7	hypothetical protein	7.42E-03
EHI_110840	1.49	0.40	3.7	regulator of nonsense transcripts, putative	4.77E-04
EHI_142710	2.47	0.67	3.7	protein kinase domain containing protein	4.77E-04
EHI_006140	10.73	2.91	3.7	Rho guanine nucleotide exchange factor, putative	4.77E-04
EHI_154320	3.06	0.84	3.7	hypothetical protein	1.26E-03
EHI_004950	9.15	2.50	3.7	hypothetical protein	4.77E-04
EHI_186870	15.81	4.33	3.7	hypothetical protein	4.77E-04
EHI_011820	13.01	3.56	3.7	hypothetical protein	4.77E-04
EHI_033010	8.32	2.29	3.6	hypothetical protein	4.77E-04
EHI_047620	0.50	0.14	3.6	hypothetical protein	3.03E-02
EHI_086050	4.91	1.37	3.6	protein kinase, putative	4.77E-04
EHI_051910	1.12	0.31	3.6	protein kinase, putative	4.77E-04
EHI_061030	1.43	0.40	3.6	hypothetical protein, conserved domain containing	4.77E-04
EHI_133550	9.35	2.65	3.5	myb-like DNA-binding domain containing protein	4.77E-04
EHI_105850	5.59	1.59	3.5	ankyrin repeat protein, putative	4.77E-04
EHI_174930	4.59	1.30	3.5	DENN domain protein	4.77E-04
EHI_160970	12.57	3.59	3.5	hypothetical protein	4.77E-04
EHI_022280	9.56	2.74	3.5	protein kinase domain containing protein	4.77E-04
EHI_083760	0.57	0.16	3.5	hypothetical protein	9.68E-03
EHI_067600	11.02	3.20	3.4	hypothetical protein	4.77E-04
EHI_075420	3.05	0.89	3.4	P-glycoprotein 5, putative	4.77E-04
EHI_197430	1.33	0.39	3.4	hypothetical protein	4.38E-02
EHI_043000	11.10	3.24	3.4	heat shock protein 70, putative	4.77E-04
EHI_197350	8.96	2.64	3.4	protein tyrosine kinase domain-containing protein	4.77E-04
EHI_156220	143.14	42.77	3.3	hypothetical protein	4.77E-04
EHI_154690	5.60	1.68	3.3	hypothetical protein	4.77E-04
EHI_053210	11.20	3.35	3.3	small GTPase RhoA, putative	4.77E-04
EHI_140970	2.30	0.69	3.3	tRNA (cytosine-5-)-methyltransferase, putative	4.77E-04
EHI_118110	5.23	1.58	3.3	Acid sphingomyelinase-like phosphodiesterase, putative	4.77E-04
EHI_187130	6.13	1.87	3.3	hypothetical protein, conserved domain containing	4.77E-04
EHI_193790	4.63	1.43	3.2	hypothetical protein, conserved	4.77E-04
EHI_114650	8.12	2.51	3.2	hypothetical protein	4.77E-04
EHI_075410	2.18	0.68	3.2	P-glycoprotein 5, putative	4.77E-04
EHI_110480	1.74	0.55	3.2	hypothetical protein	4.77E-04
EHI_198980	0.93	0.29	3.2	alkyl sulfatase, putative	4.77E-04
EHI_154270	9.81	3.09	3.2	cell division control protein 42, putative	4.77E-04
EHI_121810	0.86	0.28	3.1	hypothetical protein	2.22E-02
EHI_059810	4.33	1.39	3.1	ubiquitin carboxyl-terminal hydrolase domain containing protein	4.77E-04
EHI_154170	1.65	0.53	3.1	leucine rich repeat protein, BspA family	6.20E-03
EHI_092250	0.70	0.23	3.1	hypothetical protein	4.77E-04
EHI_183450	1.63	0.53	3.1	hypothetical protein	1.26E-03
EHI_192430	52.29	17.29	3.0	hypothetical protein	4.77E-04
EHI_079070	0.73	0.24	3.0	hypothetical protein	4.77E-04
EHI_084720	2.86	0.95	3.0	hypothetical protein	4.77E-04
EHI_036490	0.50	0.17	3.0	surface antigen ariel1, putative	3.48E-02
EHI_194180	15.26	5.09	3.0	hypothetical protein	4.77E-04
EHI_149900	41.77	14.08	3.0	Rab GTPase activating protein, putative	4.77E-04
EHI_044500	5.35	1.80	3.0	cyst wall-specific glycoprotein Jacob, putative	4.77E-04
EHI_082560	8.91	3.01	3.0	phospholipase D, putative, hypothetical protein	4.77E-04
EHI_138530	15.94	5.40	3.0	Ulp1 protease family, C-terminal catalytic domain containing protein	4.77E-04
EHI_027740	4.34	1.47	3.0	hypothetical protein	4.77E-04
EHI_021310	4.45	1.51	3.0	receptor protein kinase, putative	4.77E-04