Glutathione redox dynamics and expression of glutathione-related genes in the developing embryo

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Supplemental File 1.

Statistically significant comparisons between zebrafish embryo ages for Total Glutathione, GSH, GSSG, and E_h. Each data set was analyzed by a one-factor ANOVA (for age, $p < 0.0001$) followed by Fisher's PLSD. Only p-values of < 0.05 are shown.

1A) Total GSH

hpf	0	3	6	12	18	24	30	36	48	72	96	120
0		-	-	-	-	-	0.0018	0.0261	0.0282	0.0216	0.0139	0.0351
3			-	-	-	-	<0.0001	0.0033	0.0037	0.0025	0.0012	0.0053
6				-	-	-	<0.0001	0.0028	0.0031	0.0021	0.0010	0.0044
12					-	-	<0.0001	0.0038	0.0043	0.0028	0.0014	0.0061
18						-	0.0006	0.0267	0.0298	0.0204	0.0109	0.0406
24							0.0004	0.0176	0.0197	00134	0.0070	0.0271
30								-	-	-	-	-
36									-	-	-	-
48										-	-	-
72											-	-
96												-
120												

1B) GSH

hpf	0	3	6	12	18	24	30	36	48	72	96	120
0		-	-	-	-	-	-	0.0098	-	<0.0001	<0.0001	0.0003
3			-	-	-	-	-	0.0002	-	<0.0001	<0.0001	<0.0001
6				-	-	-	0.0574	<0.0001	0.0390	<0.0001	<0.0001	<0.0001
12					-	-	0.0130	<0.0001	0.0084	<0.0001	<0.0001	<0.0001
18						-	0.0158	<0.0001	0.0103	<0.0001	<0.0001	<0.0001
24							-	0.0002	-	<0.0001	<0.0001	<0.0001
30								0.0068	-	<0.0001	<0.0001	<0.0001
36									0.0105	0.0116	0.0035	0.0433
48										<0.0001	<0.0001	<0.0001
72											-	-
96												-
120												

GSSG

hpf	0	3	6	12	18	24	30	36	48	72	96	120
0		-	-	-	-	-	<0.0001	-	0.0074	-	-	-
3			-	-	0.0308	-	<0.0001	-	0.0011	-	-	-
6				-	-	-	<0.0001	-	0.0024	-	-	-
12					-	-	<0.0001	-	0.0129	-	-	-
18						-	0.0004	-	-	0.0264	0.0290	0.0241
24							<0.0001	-	0.0190	-	-	-
30								0.0001	0.0130	<0.0001	<0.0001	<0.0001
36									-	-	-	-
48										0.0009	0.0010	0.0008
72											-	-
96												-
120												

E_h

hpf	0	3	6	12	18	24	30	36	48	72	96	120
0		-	0.0063	<0.0001	<0.0001	0.0014	0.0001	0.0142	<0.0001	-	-	-
3			-	0.0003	<0.0001	0.0136	0.0004	-	<0.0001	0.0024	0.0019	0.0029
6				-	-	-	0.0283	-	0.0063	<0.0001	<0.0001	<0.0001
12					-	-	-	0.0060	-	<0.0001	<0.0001	<0.0001
18						0.0019	0.0491	<0.0001	-	<0.0001	<0.0001	<0.0001
24							-	-	0.0451	<0.0001	<0.0001	<0.0001
30								0.0093	-	<0.0001	<0.0001	<0.0001
36									0.0019	0.0001	<0.0001	0.0001
48										<0.0001	<0.0001	<0.0001
72											-	-
96												-
120												