

Zebrafish embryos' lipid profile at 5 dpf after treatment with DMSO (1%), lees (1:10,000) and resveratrol (100µM). Relative % (±SD) is displayed. * $p < 0.05$ respect to DMSO treated group.

FAME		PL					
		DMSO		Lees		Resveratrol	
SFA	14:0	0.29	± 0.02	0.18*	± 0.00	0.17*	± 0.02
	16:0	27.56	± 0.28	27.03	± 0.32	26.92	± 0.30
	18:0	10.57	± 0.23	11.21*	± 0.20	10.43	± 0.10
	20:0	0.06	± 0.03	0.27*	± 0.03	0.18*	± 0.04
	22:0	0.03	± 0.00	0.03*	± 0.00	0.04	± 0.02
Total SFA		38.52	± 0.39	38.72	± 0.49	37.75	± 0.43
MUFA	16:1 ω10	0.37	± 0.01	0.30*	± 0.01	0.30*	± 0.02
	16:1 ω7	0.53	± 0.03	0.43*	± 0.01	0.44*	± 0.01
	18:1 ω9	12.12	± 0.19	12.45	± 0.09	13.02*	± 0.32
	18:1 ω7	1.80	± 0.03	1.81	± 0.03	1.83	± 0.09
Total MUFA		14.82	± 0.26	14.99	± 0.05	15.60*	± 0.24
PUFA w6	18:2 ω6	6.65	± 0.15	6.47	± 0.83	6.74	± 0.88
	20:3 ω6	0.88	± 0.04	0.57*	± 0.05	0.55*	± 0.04
	20:4 ω6	2.59	± 0.04	2.82*	± 0.07	2.74	± 0.11
	22:5 ω6	1.44	± 0.06	1.63*	± 0.00	1.64*	± 0.06
PUFA w3	20:5 ω3	4.77	± 0.04	5.31*	± 0.30	5.21	± 0.31
	22:6 ω3	29.45	± 0.69	28.84	± 0.45	29.21	± 0.35
Total PUFA		45.79	± 0.60	45.65	± 0.57	46.09	± 0.64
TFA	16:1 ω10 t	0.45	± 0.01	0.31*	± 0.01	0.28*	± 0.02
	16:1 ω7 t	0.05	± 0.00	0.03*	± 0.00	0.02*	± 0.00
	18:1 ω9 t	0.18	± 0.01	0.11*	± 0.01	0.10*	± 0.02
	18:2 mt	0.03	± 0.01	0.04	± 0.00	0.05	± 0.01
	20:4 mt	0.01	± 0.00	0.02*	± 0.00	0.01	± 0.00
	20:5 mt	0.06	± 0.01	0.07	± 0.02	0.04	± 0.02
	22:6 mt	0.10	± 0.03	0.08	± 0.01	0.06	± 0.01
Total TFA		0.88	± 0.05	0.64*	± 0.03	0.56*	± 0.04

		TG											
		FAME			DMSO			Lees			Resveratrol		
SFA	14:0	0.86	±	0.07	0.61	±	0.30	0.42*	±	0.07			
	16:0	25.41	±	0.92	23.35	±	3.43	24.18	±	1.42			
	18:0	8.02	±	1.53	5.83	±	0.56	8.40	±	0.66			
	20:0	0.31	±	0.08	0.38	±	0.13	0.43	±	0.23			
	22:0	0.13	±	0.08	0.05	±	0.00	0.14	±	0.06			
Total SFA		34.74	±	2.26	30.22	±	4.16	33.56	±	1.98			
MUFA	16:1 ω10	0.57	±	0.03	0.45	±	0.09	0.43*	±	0.02			
	16:1 ω7	1.70	±	0.12	1.45	±	0.09	1.32*	±	0.08			
	18:1 ω9	14.16	±	0.85	12.39	±	0.83	15.82	±	0.80			
	18:1 ω7	3.22	±	0.15	2.85	±	0.18	3.35	±	0.17			
Total MUFA		19.65	±	0.95	17.14	±	1.20	20.93	±	1.03			
PUFA w6	18:2 ω6	15.59	±	0.57	15.96	±	2.18	14.67	±	0.67			
	20:3 ω6	1.14	±	0.03	0.77*	±	0.03	0.77*	±	0.14			
	20:4 ω6	1.75	±	0.06	2.08*	±	0.04	2.08	±	0.26			
	22:5 ω6	1.55	±	0.17	2.24*	±	0.28	2.00	±	0.41			
PUFA w3	20:5 ω3	6.03	±	0.83	9.26*	±	1.11	7.05	±	0.89			
	22:6 ω3	17.89	±	1.63	21.31	±	1.79	17.79	±	2.32			
Total PUFA		43.95	±	3.16	51.62	±	5.36	44.35	±	3.35			
TFA	16:1 ω10 t	0.63	±	0.03	0.48*	±	0.01	0.57	±	0.16			
	16:1 ω7 t	0.05	±	0.00	0.04	±	0.01	0.03*	±	0.01			
	18:1 ω9 t	0.27	±	0.03	0.16*	±	0.02	0.19*	±	0.00			
	18:2 mt	0.07	±	0.00	0.08	±	0.02	0.10	±	0.07			
	20:4 mt	0.02	±	0.00	0.02	±	0.00	0.02	±	0.00			
	20:5 mt	0.11	±	0.03	0.12	±	0.01	0.07	±	0.06			
	22:6 mt	0.51	±	0.04	0.12*	±	0.03	0.19*	±	0.15			
Total TFA		1.66	±	0.09	1.02*	±	0.00	1.16	±	0.33			