

	EW		SEM	IO			<i>P</i> value		
	< 11.76	> 11.76		Control	α -tocopherol	SEM	EW	IO	EW*IO
Retinol ($\mu\text{g g}^{-1}$)									
RYS	0.87	1.79	0.12	1.43	1.15	0.16	0.009	0.227	0.862
Liver	0.26	0.71	0.05	0.53	0.45	0.05	<0.001	0.319	0.863
Brain	0.069	0.074	0.01	0.073	0.071	0.01	0.722	0.892	0.123
Carotenoids ($\mu\text{g g}^{-1}$)									
RYS	142.52	104.78	13.0	112.18	135.13	12.9	0.045	0.215	0.234
Liver	40.61	30.16	2.40	32.96	37.82	2.3	0.004	0.157	0.996
Brain	7.67	3.01	0.55	5.6	5.08	0.55	<0.001	0.505	0.545
δ -tocopherol ($\mu\text{g g}^{-1}$)									
RYS	7.33	14.89	1.08	9.21	13.01	1.09	<0.001	0.017	0.872
Liver	1.56	2.57	0.20	1.70	2.43	0.20	0.001	0.014	0.349
Brain	4.17	2.78	0.19	2.85	4.09	0.23	0.001	0.006	0.186
γ -tocopherol ($\mu\text{g g}^{-1}$)									
RYS	291.82	294.89	27.2	260.11	326.6	27.2	0.937	0.093	0.918
Liver	97.53	77.82 ^b	5.52	80.89	94.45	5.32	0.013	0.080	0.084
Brain	0.48	0.33 ^b	0.04	0.40	0.41	0.04	0.023	0.889	0.065
α -tocopherol ($\mu\text{g g}^{-1}$)									
RYS	682.27	892.20	56.9	676.88	897.59	56.9	0.013	0.009	0.106
Liver	345.80	327.24	12.14	309.26	363.78	12.1	0.287	0.003	0.340
Brain	11.49	12.20	0.84	9.85	13.84	0.82	0.552	0.002	0.015
Vitamin E ($\mu\text{g g}^{-1}$)									
RYS	981.56	1201.13	81.5	946.20	1237.20	81.5	0.063	0.016	0.241
Liver	444.89	407.63	15.9	391.85	460.67	15.8	0.106	0.004	0.895
Brain	16.10	15.32	1.03	13.10	18.31	1.00	0.595	0.001	0.029

EW: egg weight. IO: in ovo administration. SEM: standard error of the mean. RYS: residual yolk sac.