Table S1. AICc based model selection testing the influence of water deprivation and pregnancy on oxidative stress markers. For each marker we compared the effect of water deprivation (treatment) and reproductive status (status), alone, additive or in interaction to a model including the intercept only (*Null*). See text for detail.

Marker	Model	k	AICc	ΔAICc	w_i	Log likelihood
Plasma NE	**Status + Treatment**	**4**	**569.92**	**0.00**	**0.50**	**-280.57**
	Status * Treatment	**5**	**571.05**	**1.13**	**0.29**	**-279.94**
	Status	3	572.08	2.16	0.17	-282.81
	Treatment	3	575.59	5.67	0.03	-284.57
	Null	2	577.46	7.54	0.01	-286.62
RBCs NE	**Status**	**3**	**-125.65**	**0.00**	**0.56**	**66.06**
	Status + Treatment	**4**	**-124.04**	**1.61**	**0.25**	**66.42**
	Status * Treatment	**5**	**-121.66**	**3.98**	**0.08**	**66.44**
	Null	2	-121.62	4.03	0.08	62.92
	Treatment	3	-119.95	5.70	0.03	63.21
SOD	**Status**	**3**	**81.16**	**0.00**	**0.52**	**-37.34**
	Status * Treatment	**5**	**83.00**	**1.84**	**0.21**	**-35.87**
	Status + Treatment	**4**	**83.35**	**2.20**	**0.17**	**-37.27**
	Null	2	84.89	3.73	0.08	-40.33
	Treatment	3	87.01	5.85	0.03	-40.26
GPx	*Null*	2	443.87	0.00	0.42	-219.82
	Status	3	444.48	0.61	0.31	-219.00
	Treatment	3	446.06	2.20	0.14	-219.79
	Status + Treatment	4	446.78	2.91	0.10	-218.98
	Status * Treatment	5	449.15	5.28	0.03	-218.95
tGSH	**Treatment**	**3**	**39.20**	**0.00**	**0.49**	**-16.36**
	Null	2	41.14	1.94	0.19	-18.45
	Status + Treatment	4	41.50	2.30	0.16	-16.34
	Status * Treatment	5	42.33	3.13	0.10	-15.54
	Status	3	43.35	4.14	0.06	-18.43
GSSG	*Null*	2	-103.58	0.00	0.29	53.91
	Treatment	3	-103.23	0.35	0.24	54.85
	Status * Treatment	5	-102.72	0.86	0.19	56.99
	Status	3	-102.31	1.27	0.15	54.39
	Status + Treatment	4	-101.90	1.68	0.13	55.36
GSSG/GSH	**Status + Treatment**	**4**	**-110.58**	**0.00**	**0.36**	**59.70**
	Status	**3**	**-110.57**	**0.01**	**0.36**	**58.52**
	Status * Treatment	**5**	**-108.16**	**2.42**	**0.11**	**59.71**
	Null	2	-107.89	2.68	0.09	56.07
	Treatment	3	-107.79	2.79	0.09	57.13
(Protein[C])	**Status + Treatment**	**4**	**250.73**	**0.00**	**0.42**	**-120.98**
	Status	3	252.06	1.33	0.22	-122.80
	Treatment	3	252.83	2.10	0.15	-123.19
	Status * Treatment	5	252.92	2.19	0.14	-120.87
	Null	2	254.12	3.38	0.08	-124.95

k : number of parameters, ΔAICc: difference with AICc of the best model, w_i: model likelihood; boldfaced characters are included for significant variables according to LRT tests.
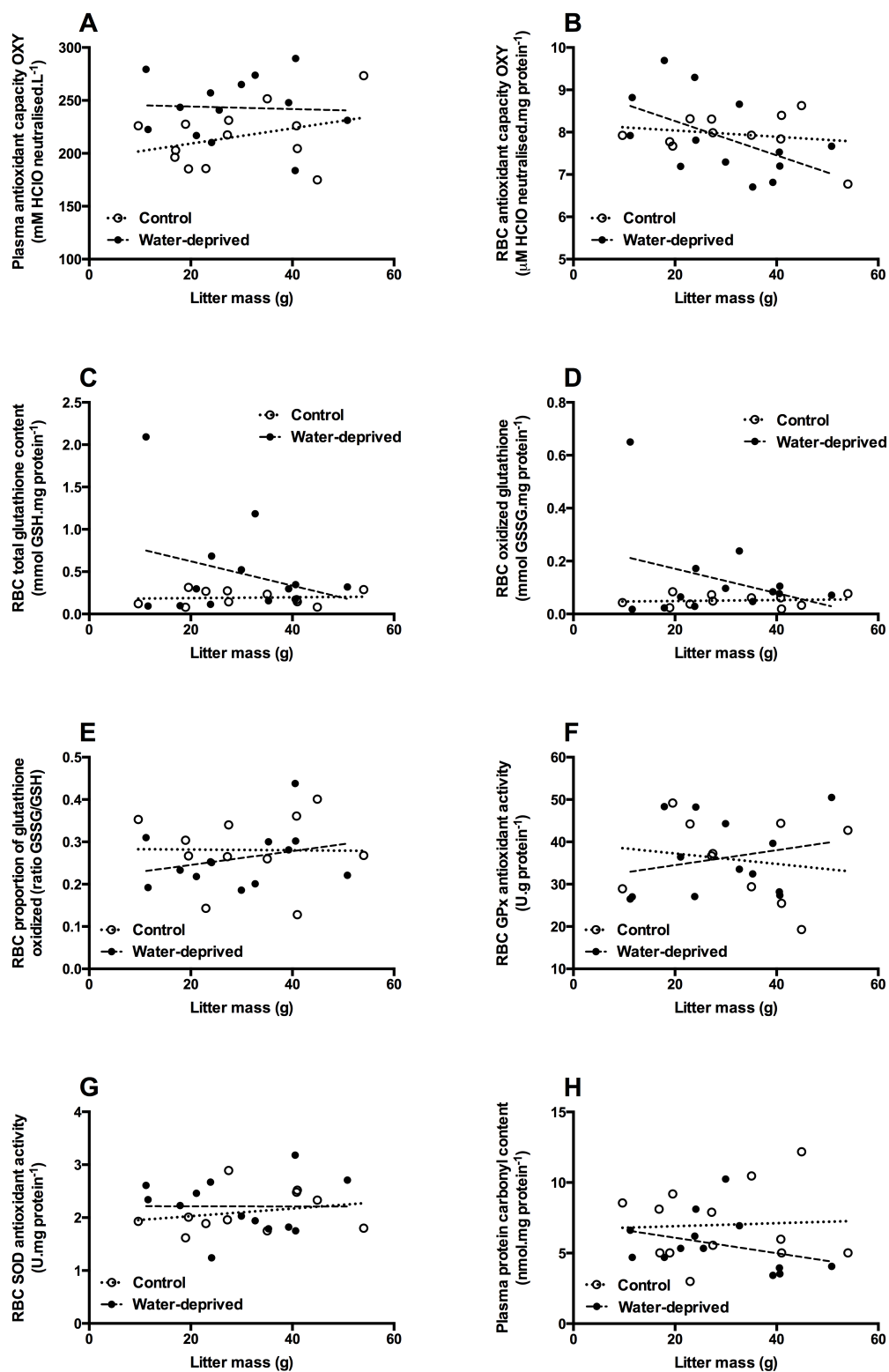
Figure S1. Relationships between female reproductive effort measured as litter mass and oxidative stress markers. (A) Plasma non-enzymatic antioxidant capacity. (B) Non-enzymatic antioxidant capacity of RBCs. (C) SOD antioxidant activity of RBCs. (D) GPx antioxidant activity of RBCs. (E) Total glutathione content of RBCs. (F) Oxidized glutathione content of RBCs. (G) Proportion of glutathione oxidized in RBCs (ratio GSSG/total glutathione). (H) Plasma protein carbonyl content. Control females are presented as empty circles and dotted-line and water-deprived females are presented as filled circles and dashed-lines. Statistics are presented in Table 2, but none of the analyses revealed significant relationships or interactions.