

Supplement 2

Mann-Whitney U test of significant differences for the hematological indicators in females (F) and males (M) *Cl. rutilus* from three reproductive-age groups (im– immature underyearlings; m– immature underyearlings; ow – overwintered individuals)

Indicators	Catching site															
	Bg-1				Bg-2				Imp							
	im F:n=6; M:n=19		m F:n=2	ow F:n=2; M:n=6		im F:n=5; M:n=11		m F:n=2; M:n=6		ow No data	im F:n=6; M:n=3		m F:n=5; M:n=7		ow F:n=4; M:n=8	
	$U(25^*)$	p		$U(1^*)$	p	$U(9^*)$	p	$U(1^*)$	p		$U(1^*)$	p	$U(5^*)$	p	$U(4^*)$	p
RBCs count	44	0.408		4	0.505	17	0.327	2	0.045		5	0.302	9	0.167	0	0.006
MCHb	54	0.848		2	0.182	5	0.015	4	0.505		9	1.000	10	0.223	8.5	0.203
MCV	42.5	0.357		2	0.182	3	0.007	4	0.505		3.5	0.155	10	0.223	14.5	0.499
MCHC	55	0.899		6	1.000	0	0.000	4	0.505		8	0.796	9	0.167	0	0.006
GSH-Px	52	0.750		5	0.739	15	0.220	2	0.045		7	0.606	9	0.167	7	0.126
CAT	50	0.656		4	0.505	17	0.327	5	0.739		8	0.796	9	0.167	16	1.000
GPI	48	0.567		3	0.317	1	0.003	5	0.739		6	0.438	15	0.685	9	0.234
LP	52	0.750		2	0.182	8	0.037	5	0.739		8	0.796	15	0.685	10	0.308
OF	48	0.567		2	0.182	14	0.178	5	0.739		6	0.438	10	0.223	15	0.865
SOD	39	0.252		1	0.095	23	0.806	3	0.317		8	0.796	4	0.028	10	0.308
pfHb	54	0.848		0	0.045	21	0.624	5	0.739		8	0.796	10	0.223	11	0.396
GLC	49	0.611		0	0.045	1	0.003	6	1.000		3	0.121	10	0.223	15	0.865
NAKA	42	0.339		4	0.505	16	0.270	6	1.000		4	0.197	16	0.807	14	0.734

*Critical values for the Mann-Whitney Test (U) at $p=0.05$