

()

«rc»

*

(// : // :)

Rhode (r̄c/r̄c) (R⁺c/R⁺c)
 rc Island Red (RIR)
 (L: D)
 (%SM) (TSC) (SC) (SV)
 (SMA) (%DS)
 (TC)
 ()
 (RSN) (STD)
 (TW) (BW) (STL) (%ES)
 TSC SV (CW)
 %DS (P< /) %SM
 SC (P< /)
 SMA
 TC (P< /)
 STD
 %ES STL %ES RS_N
 CW TW BW
 rc
 rc :

(RIR;r⁻)
 (RIR;R⁺c/R⁺c) c/r⁻c
 Columbia *rc*
 British (Retinal)
 r⁻c/r⁻c (RIR) Cheng
 R⁺ c/R⁺ c () Rhode Island Red
rc
 (L: D) GCAP
 cGMP (cG)
 Vaccutainer CC ()
 (C⁰) () Ruckebusch
 cGMP cAMP
 semen **Semen** (calmodulin)
 ()
 (SV) cGMP
 (SC) (%SM))
 (%DS) (TSC)
 (SMA) () ()
 Cryovac *rc*
 / Tuberculin (Cone) (Rode)
 BPSE ()
 (Beltsville Poultry Semen Extender) *rc* ()
 ()
 RIR
 (×)
 () Wilcox ()
 BPSE
 (/ml) : Semen
 ()
 (×) Rhode Island Red(RIR)
rc

... (rc) :

(Dehydration) BPSE

... :

(H+E) (Embedding) Eosin-nigrosin (EN)
 EN

(STD)

(RSN) ×)

(%ES) %DS (

(STL) () . ()

semen BPSE : Semen
 () JMP Formazan

() () Chaudhuri and Wishart
 $p = \text{Arc } \sqrt{p\%} \sin$ (X)

rc RIR
 $y = A$
 $X = / + / A$
 $= / / / \text{ml}$
 (SMA)
 (r^-c/r^+c)
 (R^+c/R^+c)
 $= / X/ /$
Semen .I
 semen (BW)

(p< /)

()

semen × ×

()

rc (Fixation)

φ

semen
 (.)
 cGMP *rc*
 (.)
rc
 (.)
 semen *rc*

(R ⁺ c/R ⁺ c)	(rc-/rc-)	*	/
/ ± / ^a	/ ± / ^b	cc /	
/ ± / ^a	/ ± / ^a	/ cc	(.)
/ ± / ^a	/ ± / ^b	/ /	
/ ± / ^a	/ ± / ^b	(%)	<i>rc</i>
/ ^a	/ ^b	(%)	
/ ^a	/ ^b	(%)	(.)
/ ± / ^a	/ ± / ^a		
/ ± / ^a	/ ± /	(n mol/min/10 ⁹ /ml)	

(±SE)^{ab}

(.)

(P< /)

cGMP

.II

STD

(P< /)

(STL)

(%ES)

(P< /)

semen

(P< /)

(RSN)

(P< /)

(.)

(μ)	(/)	(%)	()	/
/ ± / ^a	/ ± / ^a	± ^a	/ ± ^a	(R ⁺ c/R ⁺ c)
/ ± / ^a	/ ± / ^a	± ^b	/ ± ^a	(r̄c/r̄c)

(P< /)

(±SE)^{ab}

... (rc) :

/ng/ ml. () (r̄c/r̄c)

/ng/ ml. (Starling)

() ()

rc

RSN %ES STL STD
(R⁺c/R⁺c)

rc

(r̄c/r̄c)

Cerruti et. al., ()

. ()

. () /

. () . ()

. ()

rc

RSN %ES STL STD

(r-c/r-c)	(R ⁺ c/R ⁺ c)	() /
/ ± / ^a	/ ± / ^a	
/ ± / ^a	/ ± / ^a	
/ ± / ^a	/ ± / ^a	

(±SE)^{ab}

(P< /)

rc

. III

R⁺c/R⁺c r̄c/r̄c
()

() ()	() /
/ ± / ^a / ± / ^a / ± / ^a (R ⁺ c/R ⁺ c)	
/ ± / ^a / ± / ^a / ± / ^a (r-c/r-c)	

(±SE)^{ab}

(P< /)

(R⁺c/R⁺c) BW

(r̄c/r̄c) CW

TW .(p < 0 / 05)

CW BW

()

TW

British

()

Columbia

TW

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