

( )

«rc»

\*

( // : // : )

Rhode  $(r^c/r^c)$   $(R^+c/R^+c)$  Island Red (RIR)

rc

(%SM) (TSC) (SC) (SV) (L: D)

(SMA) (%DS) (TC)

(TW) (BW) (RSN) (STL) (%ES)

TSC SV (CW)

%DS (P< / ) %SM

SC (P< / )

SMA

STD TC (P< / )

%ES STL %ES RS<sub>N</sub>

CW TW BW

rc

rc :

(RIR;r<sup>-</sup>)  
 (RIR;R<sup>+</sup>c/R<sup>+</sup>c) c/r<sup>-</sup>c  
 Columbia rc  
 British (Retinal)  
 r<sup>-</sup>c/r<sup>-</sup>c ( RIR) Cheng  
 R<sup>+</sup> c/R<sup>+</sup> c ( ) Rhode Island Red  
 ( L: D) rc  
 GCAP  
 cGMP (cG)  
 Vaccutainer CC ( )  
 ( C<sup>0</sup>) ( ) 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

(Dehydration)

BPSE

(H+E)

(Embedding)

Eosin-nigrosin (EN)

EN

(STD)

(RSN)

$\times$

(%ES)

%DS

(STL)

( )

( )

( ) JMP

semen

BPSE

Semen

Formazan

$p = \text{Arc } \sqrt{p\%} \sin$

( )

( )

Chaudhuri and Wishart

(X)

rc

RIR

$y = A$

$X = / + / A$

$= / / \text{ /ml}$

(r<sup>-</sup>c/r<sup>c</sup>)

(SMA)

(R<sup>+</sup>c/R<sup>+</sup>c)

$= / X/$

$/ /$

Semen

I

semen

(BW)

(p < / )

( )

semen

$\times \times$

( )

(Fixation )

rc

۶

semen ( ) cGMP rc  
 semen rc

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

(±SE)<sup>ab</sup>

(P< / )

STD

II

(P< / )

(STL)

(%ES)

(P< / )

semen

(P< / )

(RSN)

(P< / )

( )

(μ)	( / )	(%)	( )	/
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	± <sup>a</sup>	/ ± <sup>a</sup>	(R <sup>+</sup> c/R <sup>+</sup> c)
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	± <sup>b</sup>	/ ± <sup>a</sup>	(r̄c/r̄c)

(P< / ) (±SE)<sup>ab</sup>

... (rc) :

/ng/ ml. ( ) (r̄c/r̄c)

/ng/ ml. (Starling )

( ) ( )

**rc**

RSN %ES STL STD  
( R<sup>+</sup>c/R<sup>+</sup>c)

**rc**

(r̄c/r̄c)

Cerruti et. al., ( )

( ) /

( ) ( )

( )

( )

( )

**rc**

RSN %ES STL STD

(r-c/r-c)	(R <sup>+</sup> c/R <sup>+</sup> c)	( ) /
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	

(±SE)<sup>ab</sup>

(P< / )

. III

R<sup>+</sup>c/R<sup>+</sup>c r̄c/r̄c  
( )

(R<sup>+</sup>c/R<sup>+</sup>c) **BW**

( ) ( )	( )	( )
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	/ ± / <sup>a</sup> (R <sup>+</sup> c/R <sup>+</sup> c)
/ ± / <sup>a</sup>	/ ± / <sup>a</sup>	/ ± / <sup>a</sup> (r-c/r-c)

(±SE)<sup>ab</sup>

(P< / )

(r̄c/r̄c) **CW**

TW (p < 0 / 05)

**CW BW**

.( )

TW

British

.( )

Columbia

TW

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