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CORRECTION

Correction: Identification of Reproduction-Specific Genes Associated with Maturation and Estrogen Exposure in a Marine Bivalve *Mytilus edulis*

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Fig 1 of the published article is incomplete. Please view the complete Fig 1 and its legend here.

There are errors in Table 1 and Table 2 of the published article. Please view the correct tables here.

Citation: Ciocan CM, Cubero-Leon E, Minier C, Rotchell JM (2015) Correction: Identification of Reproduction-Specific Genes Associated with Maturation and Estrogen Exposure in a Marine Bivalve *Mytilus edulis*. PLoS ONE 10(7): e0132080. doi:10.1371/journal.pone.0132080

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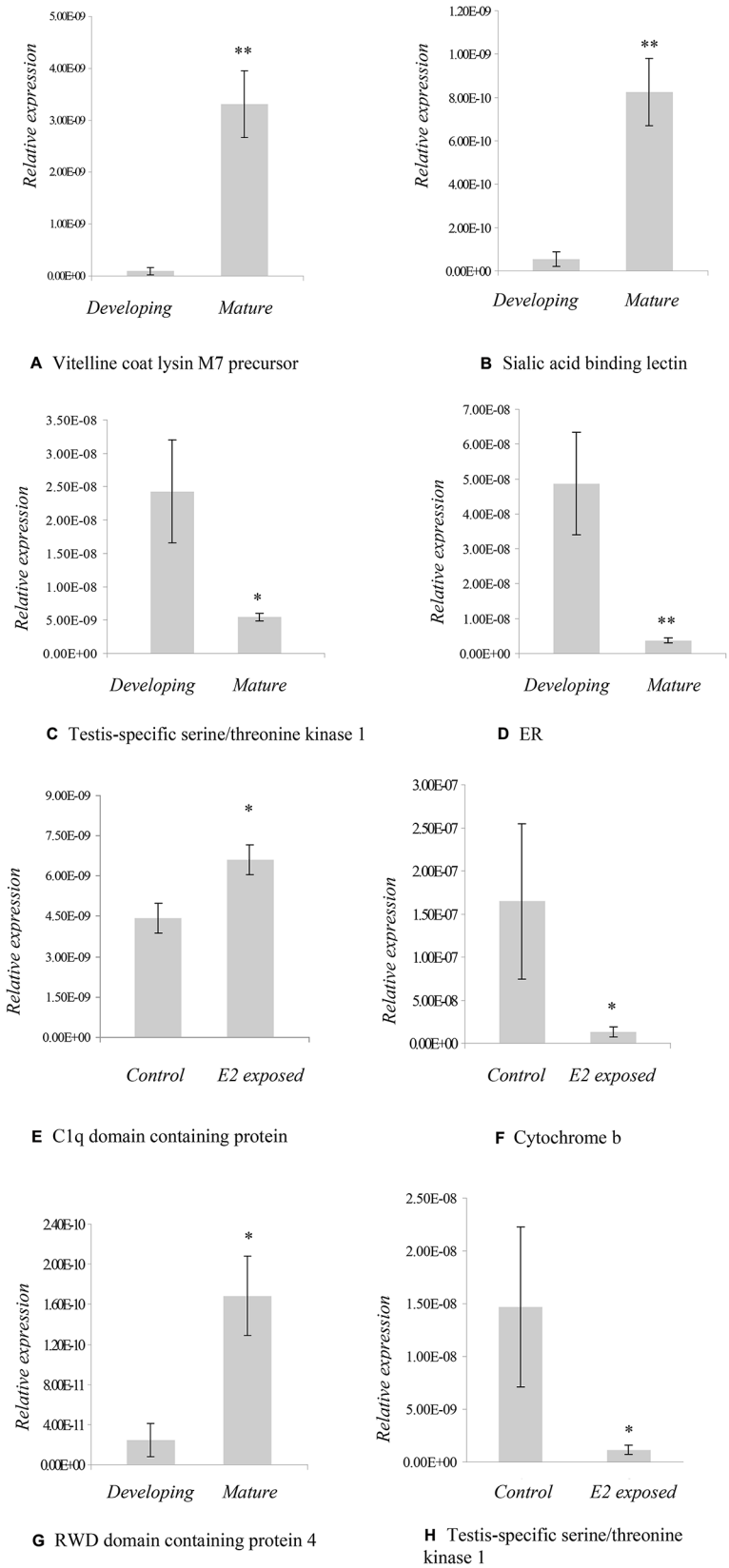

Fig 1. Real-time quantitative RT-PCR validation of differential screening results of *M. edulis* developing gonad versus mature gonad samples (1A–1E) and *M. edulis* experimentally-exposed to E2 (1F–1H). Data plotted as mean±SEM, n = 15 samples. * = $p<0.05$; ** = $p<0.01$.

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Table 1. Differentially expressed (subtracted) mRNAs identified in *M. edulis* testis at two stages of gonadal development. [a]Down-regulated in early developing testes relative to mature testes. [b]Up-regulated in early developing testes relative to mature testes.

Clone accession no.	Category & gene identity	Length (bp)	Homolog species / Accession no.	*E*-value
HQ690234	[a]Senescence-associated protein	155	*Brugia malayi* XP_001900327.1	$5.0E^{-10}$
AJ492924.1	[a]Histone 2A	301	*M. edulis* AJ492924.1	$1.0E^{-108}$
AY484747.1	[a]16S ribosomal protein	931	*M. edulis* AY484747.1	0
FM995162.1	[a]Vitelline coat lysin M7 precursor	635	*M. edulis* BAA03551.1	$3.0E^{-123}$
HQ678182	[a]Sialic acid binding lectin	397	*Helix pomatia* ABF00124.1	$4.0E^{-15}$
CAX33833	[a]Putative vitelline envelope receptor for lysin (VERL)	663	*M. edulis* CAX33833	$4.0E^{-125}$
HQ678180	[b]Testis-specific serine/threonine kinase 1 (TSTK1)	815	*Strongylocentrotus purpuratus* XP_787865.1	$4.0E^{-70}$
HQ678181	[b]Testis-specific A-kinase-anchoring-protein	182	*Gallus gallus* XP_002162537.1	$9.0E^{-6}$
HQ67816	[b]Histone H2A isoform 2	332	*Haliotis discus discus* ACJ12611.1	$1.0E^{-53}$
HQ678184	[b]Beta-tubulin	511	*C. gigas* AAU93877.1	$9.0E^{-81}$
AB257133	[b]ER	111	*M. edulis* BAF34366.2	$1.0E^{-12}$
HQ678183	[b]Bindin precursor 5 repeat variant (acrosomal protein)	392	*C. gigas* ABQ18234.1	$7.0E^{-14}$
HQ678185	[b]Phosphodiesterase 1	533	*S. purpuratus* NP_001091918.1	$5.0E^{-62}$
AY130198.1	[b]Cytochrome c oxidase subunit III	254	*M. edulis* AAV68300.1	$2.0E^{-31}$

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Table 2. Differentially expressed (subtracted) mRNAs identified in *M. edulis* testis following E2 exposure. [a]Down-regulated in control testes relative to E2-exposed testes. [b]Up-regulated in control testes relative to E2-exposed testes.

Clone Accession No.	Category & gene identity (BlastX)	Length (bp)	Homolog species/Accession no.		*E*-value
HQ664951	[a]Complement C1q-like protein	111	*Ailuropoda melanoleuca*	XP_002918680.1	$7.0E^{-5}$
HQ690237	[a]Alpha tubulin	297	*C. gigas*	BAD80736.1	$2.0E^{-51}$
HQ690238	[a]Beta tubulin	501	*Rattus norvegicus*	NP_954525.1	$2.0E^{-94}$
HQ690235	[a]Ribosomal protein L7	240	*C. gigas*	AJ557884.1	$3.0E^{-30}$
HQ690239	[a]Bromodomain adjacent to zinc finger domain, 1A	369	*G. gallus*	XP_426440.2	$7.0E^{-24}$
HQ690240	[a]Elongation factor 1 gamma	162	*Saccoglossus kowalevskii*	NP_001171816.1	$1.0E^{-13}$
HQ664949	[a]Vitelline envelope zona pellucida domain 9	900	*Haliotis rufescens*	ABE72949.1	$1.0E^{-26}$
HQ664950	[a]C1q domain containing protein	141	*Argopecten irradians*	ADD17343	$7.0E^{-5}$
HQ664948	[a]RWD domain containing protein 4A	240	*Caligus rogercresseyi*	ACO11028.1	$3.0E^{-17}$
HQ664952	[a]Hemaglutinin/amoebocyte aggregation factor precursor	240	*Salmo salar*	ACI68653.1	$1.0E^{-10}$
YP_073337	[a]Cytochrome c oxidase subunit II	448	*M. edulis*	YP_073337.1	$4.0E^{-56}$
YP_073338.1	[a]NADH dehydrogenase subunit 1	647	*M. edulis*	YP_073338.1	$4.0E^{-61}$
HQ690236	[a]Triosephosphate isomerase TIM	156	*Metapenaeus ensis*	AAP79983.1	$3.0E^{-13}$
CAX33833	[a]Putative vitelline envelope receptor for lysin (VERL)	663	*M. edulis*	CAX33833	$4.0E^{-125}$
AAV68423	[b]Cytochrome c oxidase subunit 1	534	*M. edulis*	AAV68411.1	$8.0E^{-90}$
AAV68416	[b]Cytochrome b	302	*M. edulis*	AAV68404.1	$6.0E^{-28}$
HQ690243	[b]Ferritin-like protein	492	*Pinctada fucata*	AAQ12076.1	$2.0E^{-78}$
HQ690241	[b]Senescence-associated protein	318	*Trichoplax adhaerens*	XP_002118266.1	$6.0E^{-49}$
HQ690244	[b]Spectrin beta chain	293	*Harpegnathos saltator*	EFN75523.1	$1.0E^{-10}$

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Reference

1. Ciocan CM, Cubero-Leon E, Minier C, Rotchell JM (2011) Identification of Reproduction-Specific Genes Associated with Maturation and Estrogen Exposure in a Marine Bivalve *Mytilus edulis*. PLoS ONE 6(7): e22326. doi: 10.1371/journal.pone.0022326 PMID: 21818309