

CORRECTION

Correction: Hypothermia and Rewarming Induce Gene Expression and Multiplication of Cells in Healthy Rat Prostate Tissue

The PLOS ONE Staff

The second sentence of the final paragraph of the Introduction is incorrect. The correct sentence is: Ventral lobes of rat prostate tissues were used in determination of the relative mRNA expressions of *AMR*, *TM* and the transmembrane form of the *PACP* (Quintero et al. 2007). Cellular form of *PACP* in the cytosol has been suggested to down-regulate prostate cell growth in human prostate cancer cells [15].

There are errors in [Table 1](#), “Primers used in qPCR analysis.” Please see the corrected [Table 1](#) here.

The legend for [Fig 1](#), “Relative mRNA expressions of *AMR*, *PACP*, *TM*, *CyD1*, *p21* and *HSF1* in rat ventral prostate,” does not appear. Please see the complete, correct [Fig 1](#) legend here.

The legend for [Fig 2](#), “*Bax* mRNA to *Bcl-2* mRNA ratios in rat ventral prostate” does not appear. Please see the complete, correct [Fig 2](#) caption here.

The legend for [Fig 3](#), “EGFR-ligand *AMR* protein expression and proliferative Ki-67 index in rat ventral prostate” does not appear. Please see the complete, correct [Fig 3](#) caption here. The publisher apologizes for these errors.



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Citation: The PLOS ONE Staff (2015) Correction: Hypothermia and Rewarming Induce Gene Expression and Multiplication of Cells in Healthy Rat Prostate Tissue. PLoS ONE 10(6): e0131261. doi:10.1371/journal.pone.0131261

Published: June 12, 2015

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Table 1. Primers used in qPCR analysis

Gene symbol/ accession number	Direction	Primer sequence	Amplicon size
<i>AMR</i> NM_017123.1	Forward	GTGCATGCCATTGCCTAGCTGA	78
	Reverse	TCATTTCCGGTGTGGCTTGGCA	
<i>Bax</i> NM_017059.2	Forward	CCAGGACGCATCCACCAAGAAGC	136
	Reverse	TGCCACACGGAAGAAGACCTCTCG	
<i>Bcl-2</i> NM_016993.1	Forward	GAGGCTGGGATGCCTTTGTGGA	89
	Reverse	GCTGAGCAGCGTCTTCAGAGA	
<i>CyD1</i> NM_171992.4	Forward	ATCAAGTGTGACCCGACTG	216
	Reverse	GCCACTACTTGGTGACTCCC	
<i>HSF1</i> XM_006241890.1	Forward	CCATGAAGCACGAGAACGAG	117
	Reverse	ACTGCACCAGTGAGATCAGGA	
<i>PacP</i> NM_001134901.1	Forward	CGGGATCCTGGTGATATTGCT	70
	Reverse	CCGATACACGTCTCTCTGCC	
<i>p21</i> NM_080782.3	Forward	ACATCTCAGGGCCGAAAACG	78
	Reverse	CTTGCAGAAGACCAATCGGC	
<i>TM</i> NM_031771.2	Forward	GATCTCCATTGCCAGCCT	140
	Reverse	CACGTGCTGCAGTACTACCT	
<i>GAPDH</i> BC029618	Forward	TGGAAGGACTCATGACCACA	160
	Reverse	TTCAGCTCAGGGATGACCTT	

doi:10.1371/journal.pone.0131261.t001

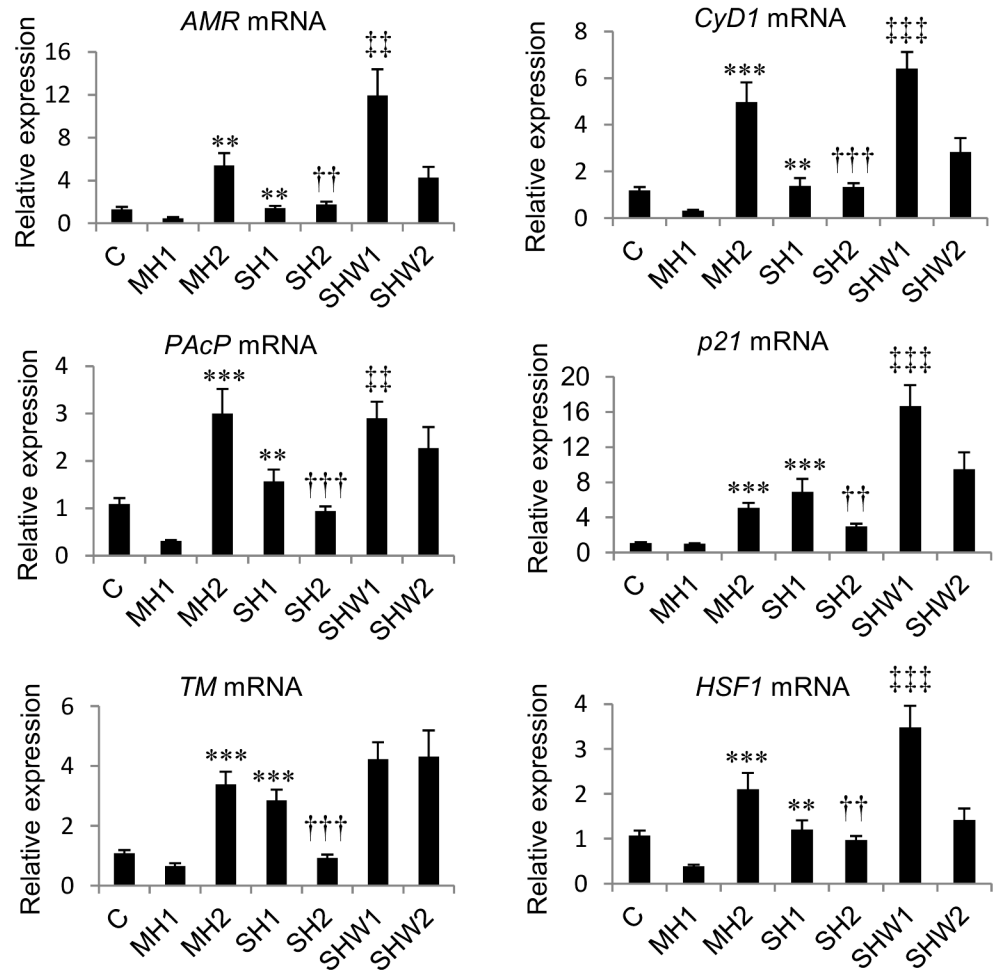


Fig 1. Relative mRNA expressions of AMR, PAcP, TM, CyD1, p21 and HSF1 in rat ventral prostate. C, control; MH1, mild hypothermia 1; MH2, mild hypothermia 2; SH1, severe hypothermia 1; SH2, severe hypothermia 2; SHW1, severe hypothermia followed by rewarming at room temperature; SHW2, severe hypothermia followed by rewarming at +28C; ** $p \leq 0.01$, *** $p \leq 0.001$ compared with MH1; †† $p \leq 0.01$, ††† $p \leq 0.001$ compared with MH2; † $p \leq 0.01$, ††† $p \leq 0.001$ compared with SH1; data are mean \pm SEM.

doi:10.1371/journal.pone.0131261.g001

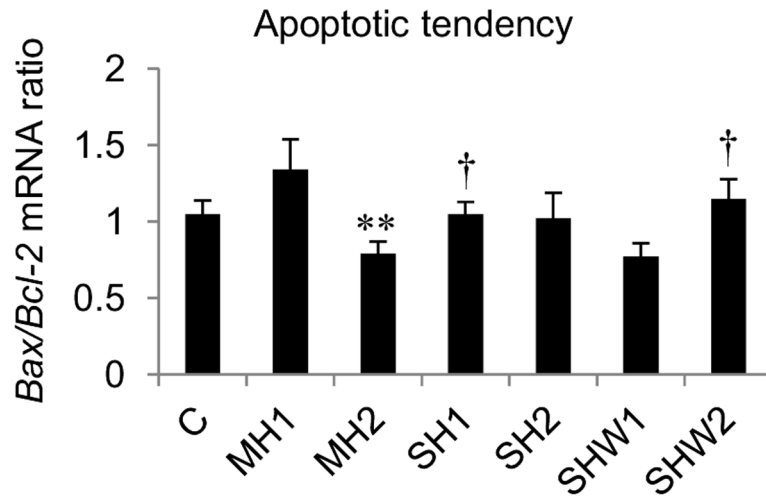


Fig 2. Bax mRNA to Bcl-2 mRNA ratios in rat ventral prostate. C, control; MH1, mild hypothermia 1; MH2, mild hypothermia 2; SH1, severe hypothermia 1; SH2, severe hypothermia 2; SHW1, severe hypothermia followed by rewarming at room temperature; SHW2, severe hypothermia followed by rewarming at +28C; ** $p \leq 0.01$ compared with MH1; † $p \leq 0.05$ compared with SHW1; data are mean \pm SEM.

doi:10.1371/journal.pone.0131261.g002

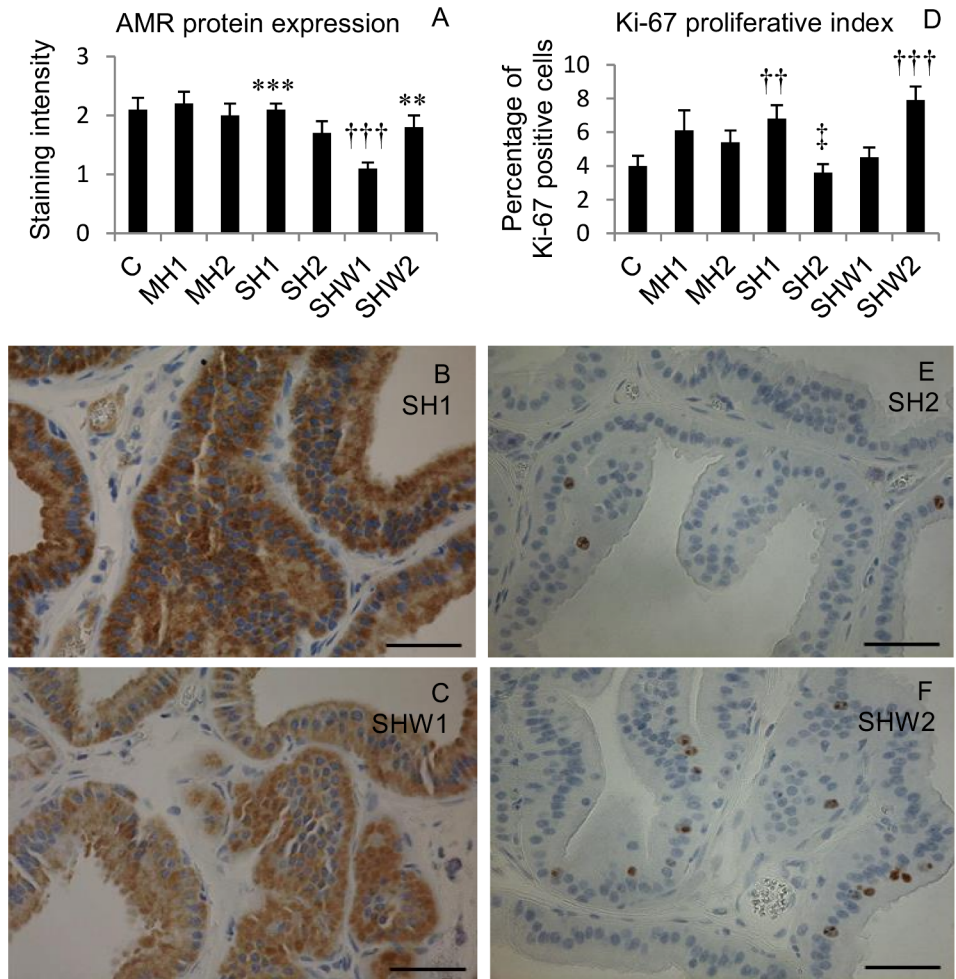


Fig 3. EGFR-ligand AMR protein expression and proliferative Ki-67 index in rat ventral prostate. Mean AMR protein expression values in rat prostate ventral lobe tissues (A); cytosolic AMR immunoreactivity in SH1 (B) and in SHW1 (C); mean Ki-67 index values in rat prostate ventral lobe tissues (D); nuclear Ki-67 immunoreactivity in SH2 (E) and in SHW2 (F). C, control; MH1, mild hypothermia 1; MH2, mild hypothermia 2; SH1, severe hypothermia 1; SH2, severe hypothermia 2; SHW1, severe hypothermia followed by rewarming at room temperature; SHW2, severe hypothermia followed by rewarming at +28°C; ** $p \leq 0.01$, *** $p \leq 0.001$ compared with SHW1; †† $p \leq 0.01$, ††† $p \leq 0.001$ compared with C; ‡ $p \leq 0.05$ compared with MH2; scale bar = 50 μm ; data are mean \pm SEM.

doi:10.1371/journal.pone.0131261.g003

Reference

1. Kaija H, Pakanen L, Kortelainen M-L, Porvari K (2015) Hypothermia and Rewarming Induce Gene Expression and Multiplication of Cells in Healthy Rat Prostate Tissue. PLoS ONE 10(5): e0127854. doi: [10.1371/journal.pone.0127854](https://doi.org/10.1371/journal.pone.0127854) PMID: [25996932](https://pubmed.ncbi.nlm.nih.gov/25996932/)