

Master's Thesis – Monika Burócziová

Molecular characteristics of mismatch repair pathway
in ovarian cancer

ERRATA

Page 12, line 3

Original sentence:

5.1.2 Design and validation of MS-HRM 533

Corrected to:

5.1.2 Design and validation of MS-HRM 53

Page 32, line 13-16

Original sentence:

The machinery of MMR includes core enzymes, in humans, the mis-paired bases are recognised by the heterodimers MutS α (MSH2/MSH6), MutS β (MSH2/MSH6).

Corrected to:

The machinery of MMR includes core enzymes, in humans, the mis-paired bases are recognised by the heterodimers MutS α (MSH2/MSH6), MutS β (MSH2/MSH3).

Page 32, line 16-22

Original sentence:

The canonical MMR cascade is replication based, and covers four steps i) mismatches detection by heterodimeric MutS α (MSH2/MSH6), MutS β (MSH2/MSH6) (Groothuizen and Sixma, 2016).

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The canonical MMR cascade is replication based, and covers four steps i) mismatches detection by heterodimeric MutS α (MSH2/MSH6), MutS β (MSH2/MSH3) (Groothuizen and Sixma, 2016).

Original table:

Table 4.3. List of used primary antibodies

Antibody	Host	Source	Cat.No.	WB
MLH1	m/mono	Cell Signaling, Technology Inc., Denvers, USA	#3515	1000×
MSH2	rb/mono	Cell Signaling, Technology Inc., Denvers, USA	#2017	1000×
PMS1	rb/poly	Cell Signaling, Technology Inc., Denvers, USA	#3996	1000×
α-tubulin	m/mono	Santa Cruz Biotechnology Inc, Santa Cruz, USA	sc-8035	1000×
anti-BrdU FITC		BD Biosciences, San Jose, USA	# 347583	500×
pH3	rb/poly	Merck Millipore, Darmstadt, Germany	#06-570	500×

Abbreviations: rb- rabbit; m - mouse; poly – polyclonal; mono – monoclonal; WD
- working dilution for western blot from original stock

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Abbreviations: rb- rabbit; m - mouse; poly – polyclonal; mono – monoclonal; WD
- working dilution for western blot from original stock

Original table:

Table 4.4. List of used secondary antibodies

Antibody	Host	Source	Cat.No.	WB
Anti-mouse IgG, HRP-linked	Goat	Cell Signaling, Technology Inc., Denvers, USA	#7076	5000×
Anti-rabbit IgG, HRP-linked	Goat	Cell Signaling, Technology Inc., Denvers, USA	#7074	5000×
Anti-mouse Alexa Fluor® 647 conjugate	Goat	Thermo Fisher Scientific Inc, Waltham, MA USA	# A21236	500×

Abbreviations: HRP - horseradish peroxidase; IgG – immunoglobulin WD - working dilution for western blot from original stock

Corrected to:

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Antibody	Host	Source	Cat.No.	WD
Anti-mouse IgG, HRP-linked	Goat	Cell Signaling, Technology Inc., Denvers, USA	#7076	5000×
Anti-rabbit IgG, HRP-linked	Goat	Cell Signaling, Technology Inc., Denvers, USA	#7074	5000×
Anti-mouse Alexa Fluor® 647 conjugate	Goat	Thermo Fisher Scientific Inc, Waltham, MA USA	# A21236	500×

Abbreviations: HRP - horseradish peroxidase; IgG – immunoglobulin G WD - working dilution for western blot from original stock

Original figure:

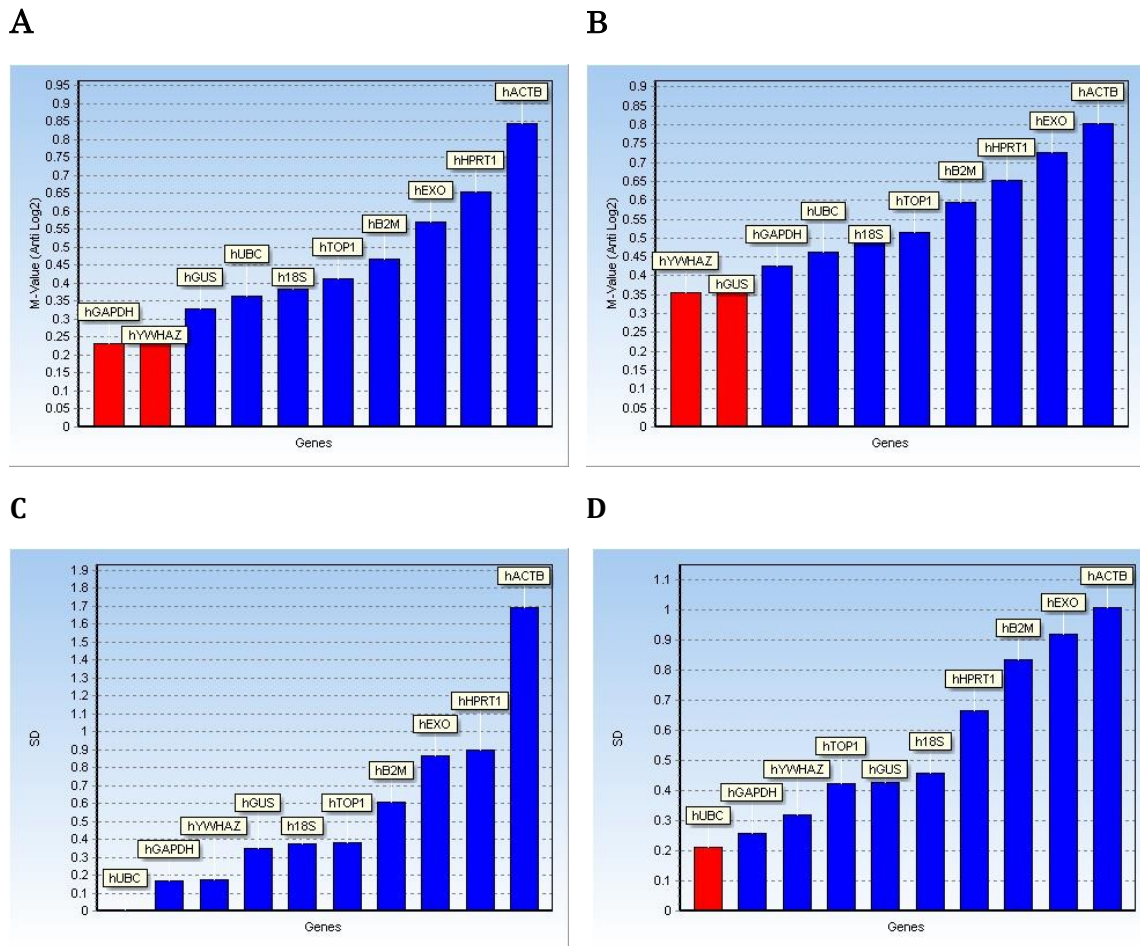
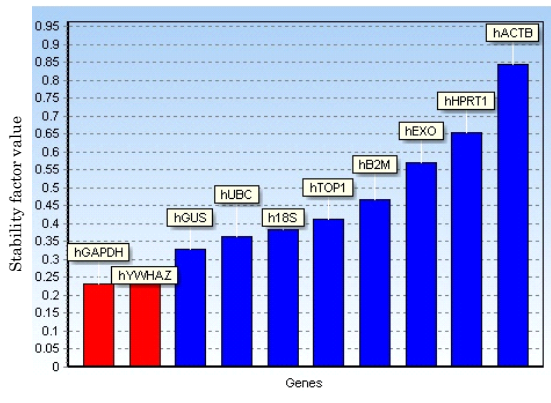


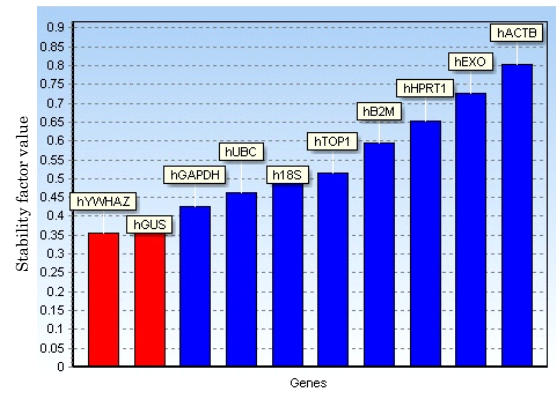
Figure 5.1. Reference genes optimisation. Expression levels of the most stable reference genes are represented in red colour A) B) Reference gene normalization using geNorm algorithm C) D) Reference gene normalization using NormFinder algorithm

Corrected to:

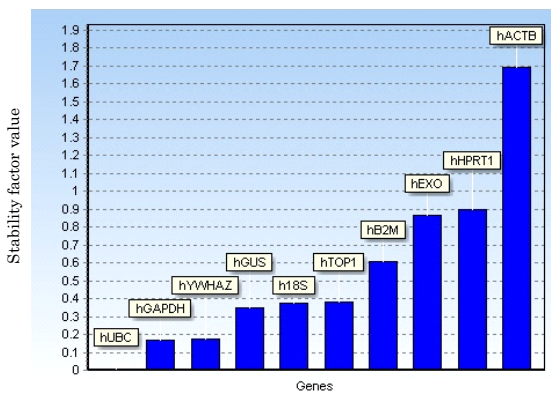
A



B



C



D

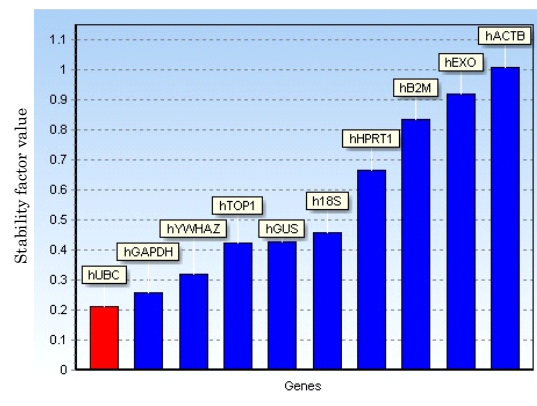


Figure 5.1. Reference genes optimisation. Stability factor value of the most stable reference genes are represented in red colour A) B) Reference gene normalization using geNorm algorithm C) D) Reference gene normalization using NormFinder algorithm