

研究报告

2021 6 104 2021 5 19

2005-2020

14%

“ ”

Research Report

May 19th, 2021

Mutual Fund and Price Efficiency

Center for Asset Management

Jianfeng Yu, Shen Lin, Wei He and Shuwen Yang

Abstract: Mutual funds are the main channel for institutionalizing stock investment of retail investors which is considered as the most important approach to improve the market efficiency in China. However, the existing literature fails to provide evidence that mutual funds can improve the market price efficiency due to the neglect of management ability differences. By employing the data of the Chinese market from 2005 to 2020, this paper constructs the mutual fund holding quality (MHFQ) of stocks and investigates its predictive power on the future performance. The empirical results show that stocks with higher MHFQ earns a higher return than counterparts with lower HHFQ. The annualized return of H-L portfolio is about 14%. This phenomenon cannot be explained by the mutual fund holding weights, herding-induced price pressure, systemic risks and other pricing anomalies in the Chinese stock market. To our knowledge, this paper is the first one finding the direct evidence that mutual funds improves the pricing efficiency of stock market in China. The finding implies that only part of mutual funds in the market effectively manage their asset and then improving the market quality. Therefore, optimizing product evaluation on mutual fund to improve the capital allocation efficiency has significance to strengthen the positive effect of

2018 2018

2011 2007

2008 Bailey et al., 2011

Jones and Mo, 2020

2020

4.1

A

2.54

Fama and French, 2010

Chi, 2013

2020

2002

2010

2004

2011

2001

2004

2005

2002

2007

2014

2017

2018

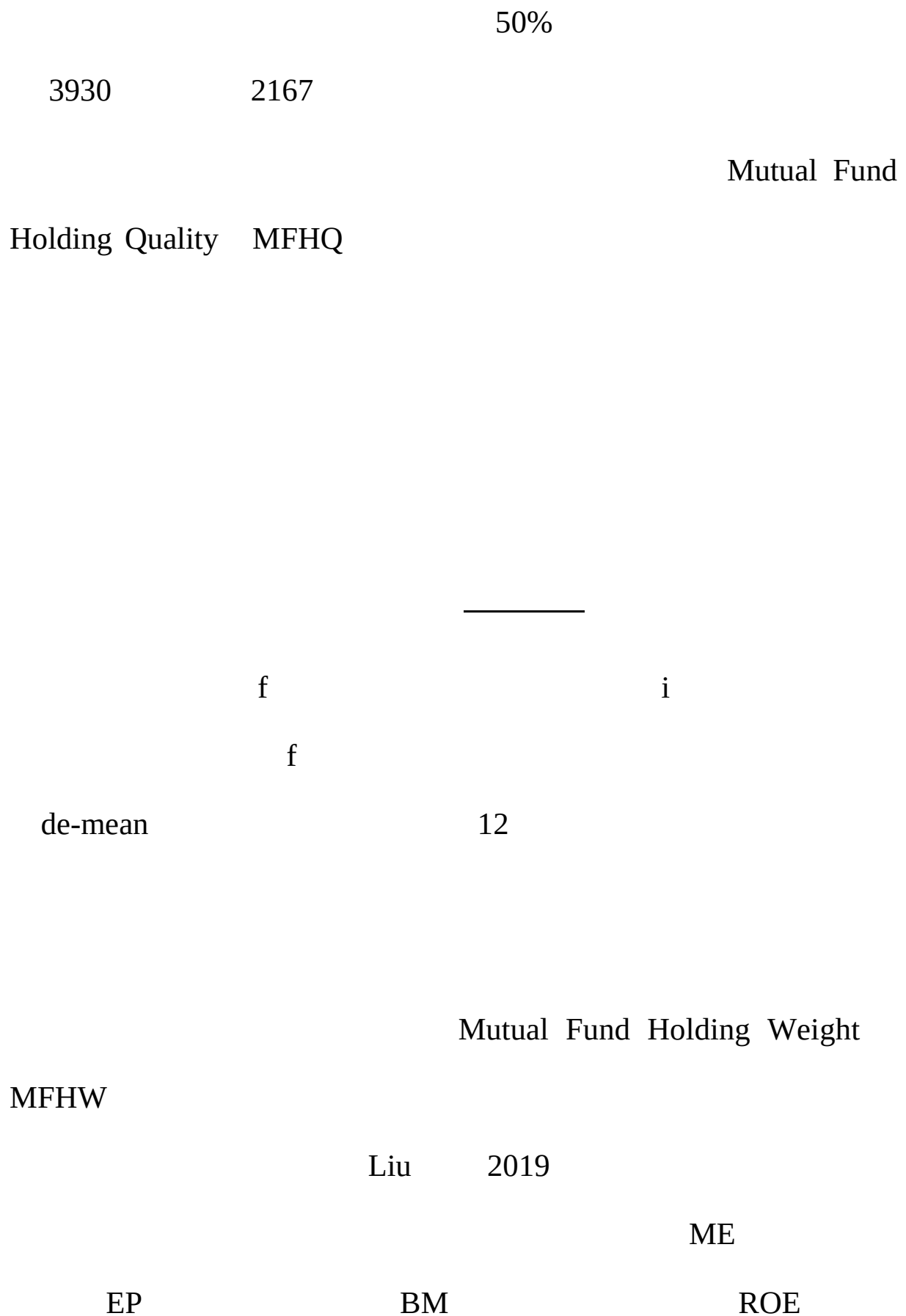
2018

2012

2011

Carhart, 1997 Fama and French, 2010

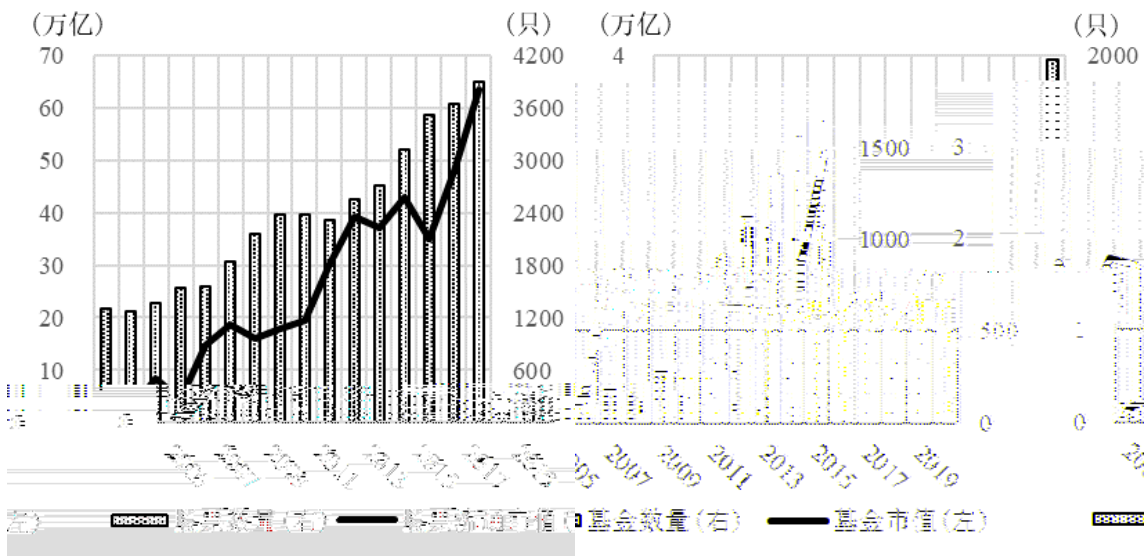
Cohen et al., 2005 Wermers et al.,
2012



VOLA		MAXRET
MOM	REV	TO
abTO		1
	1	

MFHQ MFHW

1



1

12

1

1

1300

3.09

0.98

15

07-08

14-15

2020

12

3899

76.6

63.6

GDP 70%

2004

07-08

07

1.73

2005

110

2020

1980

An, 2016 Barber and Odean, 2000

Hong et al., 2019

2020

12

1919

2.93

12

2

2

09

90%

14

95%

2

MFHQ

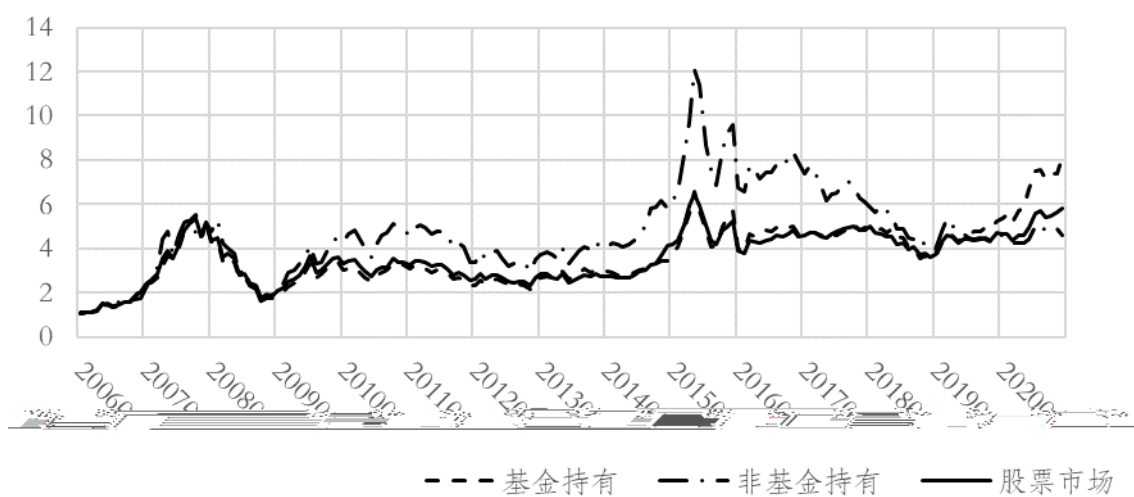
1-2

2

50%

5

MFHQ



2

2

2

2020

3

09-17

0.61

0.46

2

MFHQ

MFHQ

MFHQ

MFHQ

Newy-

West T

MFHQ

MFHQ

MOM REV

MAXRET

2003

Liu et al., 2019 ME EP MFHQ

MFHQ

MFHW

		2014	2013
Cohen	2005		
			MFHQ
	MFHQ	MFHW	
MFHW		Fama-MacBeth	
3.1	MFHQ		
MFHQ			
4		ER	
CAPM		Size and Value in China	
SVC		alpha	R
	4		MFHQ
	MFHQ		
		2006	1
2020	12		
	A		MFHQ

MFHQ

9.79%

23.79%

13.06% MFHQ

13%

T=2.74 MFHQ

1

2

Bailey et al.,

2011

Wardlaw, 2019

2014

A

MFHQ

CAPM

SVC

14.20%

20.95%

SVC

MFHQ

Wermers et al., 2012

SVC

et al., 2021

T	3.02	1%
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CAPM SVC MFHQ

R

Grinblatt and Titman, 1992

Amihud and Goyenko, 2013

B MFHQ

13.61%		CAPM	SVC
13.10%	16.23%		R

4

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MFHQ

3

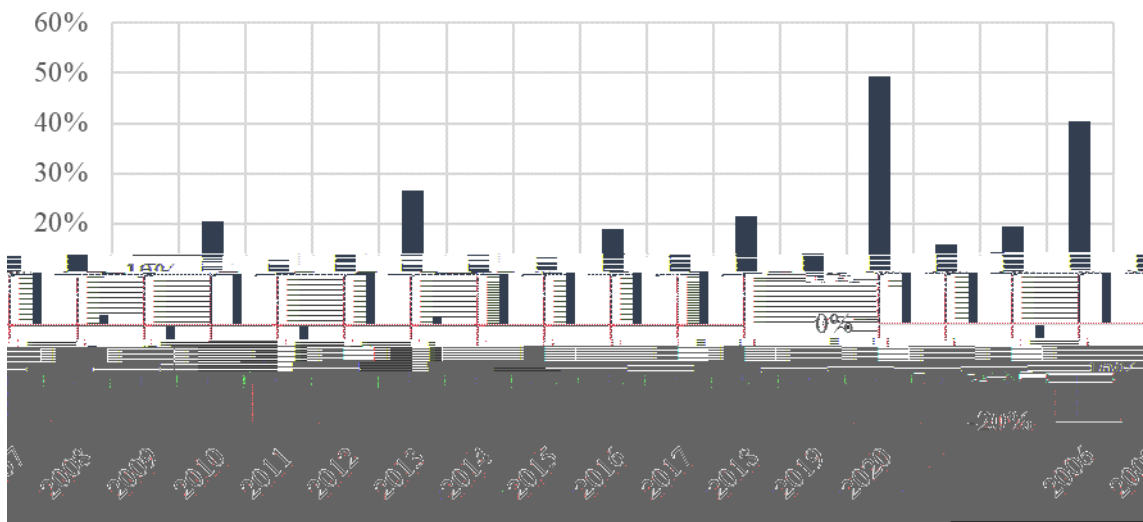
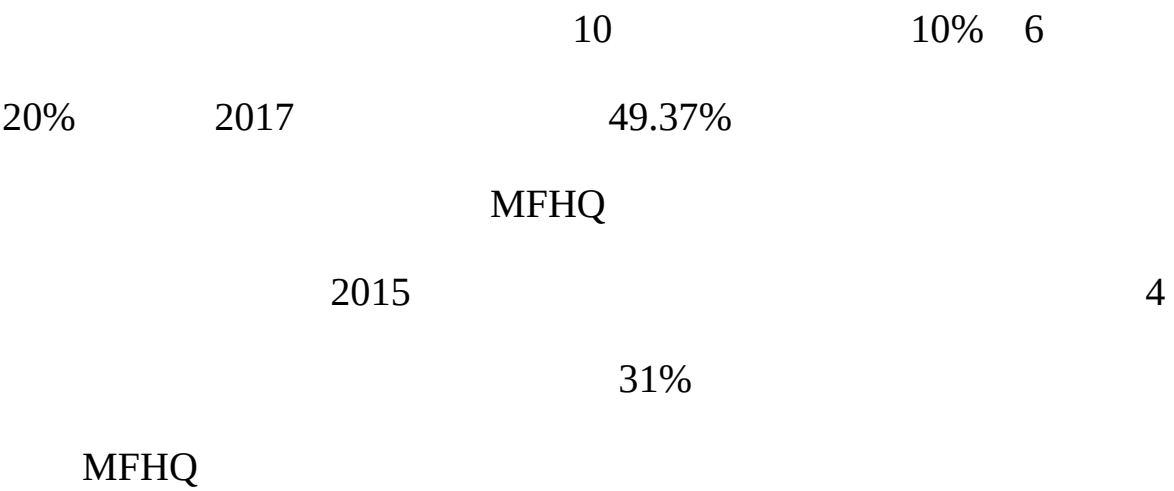
MFHQ

15

3

12.96%

21



3 MFHQ

3.2 MFHW

3 MFHQ

MFHW

4

MFHW

MFHQ

4

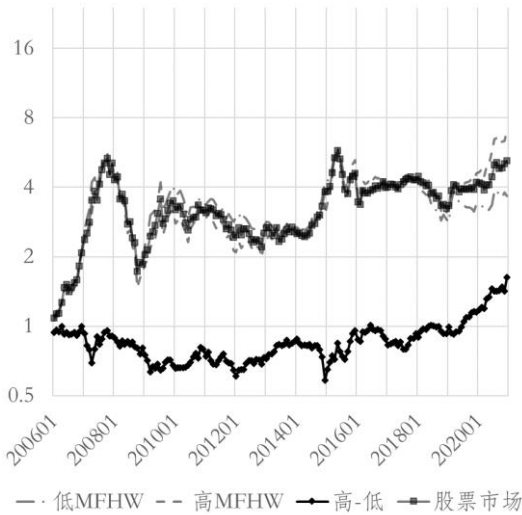
MFHQ

MFHW

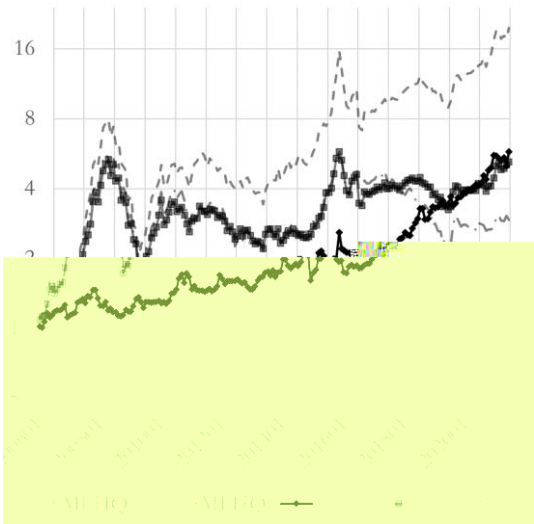
4

A

B



A.



B.

4 MFHW MFHQ

2003

2004

2014

MFHW

MFHW

MFHQ

MFHQ

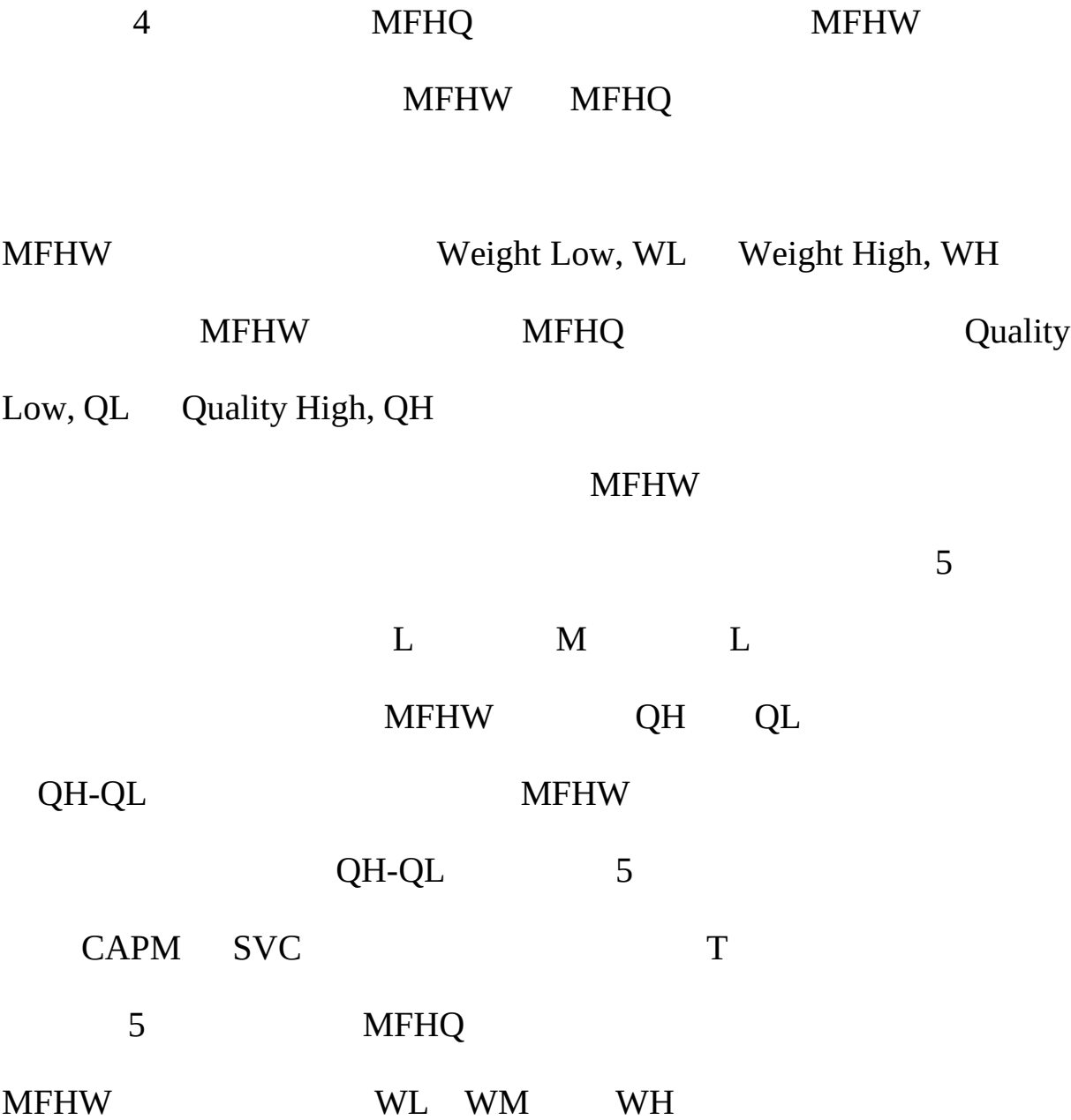
2016

MFHQ

MFHQ

2016

2016



MFHQ	A		QH-QL	
11.12%	0		CAPM	
SVC	11.02%	14.21%	MFHW	
				A
		MFHW		
MFHQ				

6

MFHQ

Fama-MacBeth

MFHQ

MFHQ

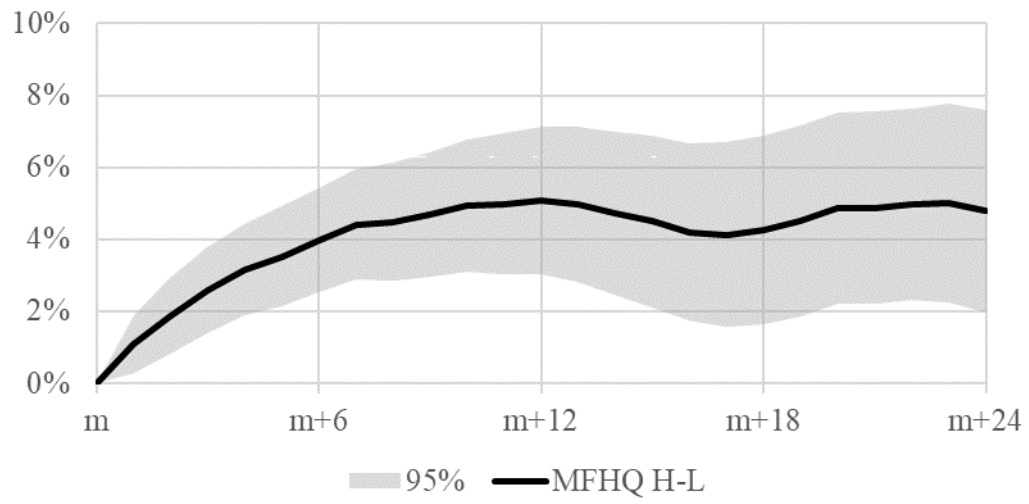
MFHQ

4.1

2014

2015

2



5 MFHQ

MFHQ

MFHQ

5

MFHQ

24

95%

5%

0

MFHQ

6

ROE

ROE_growth

ROA

ROA_growth

SALE_growth

EARN_growth 3

MFHQ

5

7

MFHQ

Newy-West

4

T

6

ROE

ROE_growth

ROE

ROE

ROE

ROA

ROA_growth

SALE_growth

EARN_growth

EARN

ROE_growth

ROE

ROA SALE

1%

MFHQ

7 MFHQ

4.2

MFHQ

MFHQ

Kacperczyk et al., 2008

2013

Kacperczyk

2008

2013

Return Gap RG

t

t

RG_{alpha}

24

RG^{alpha}

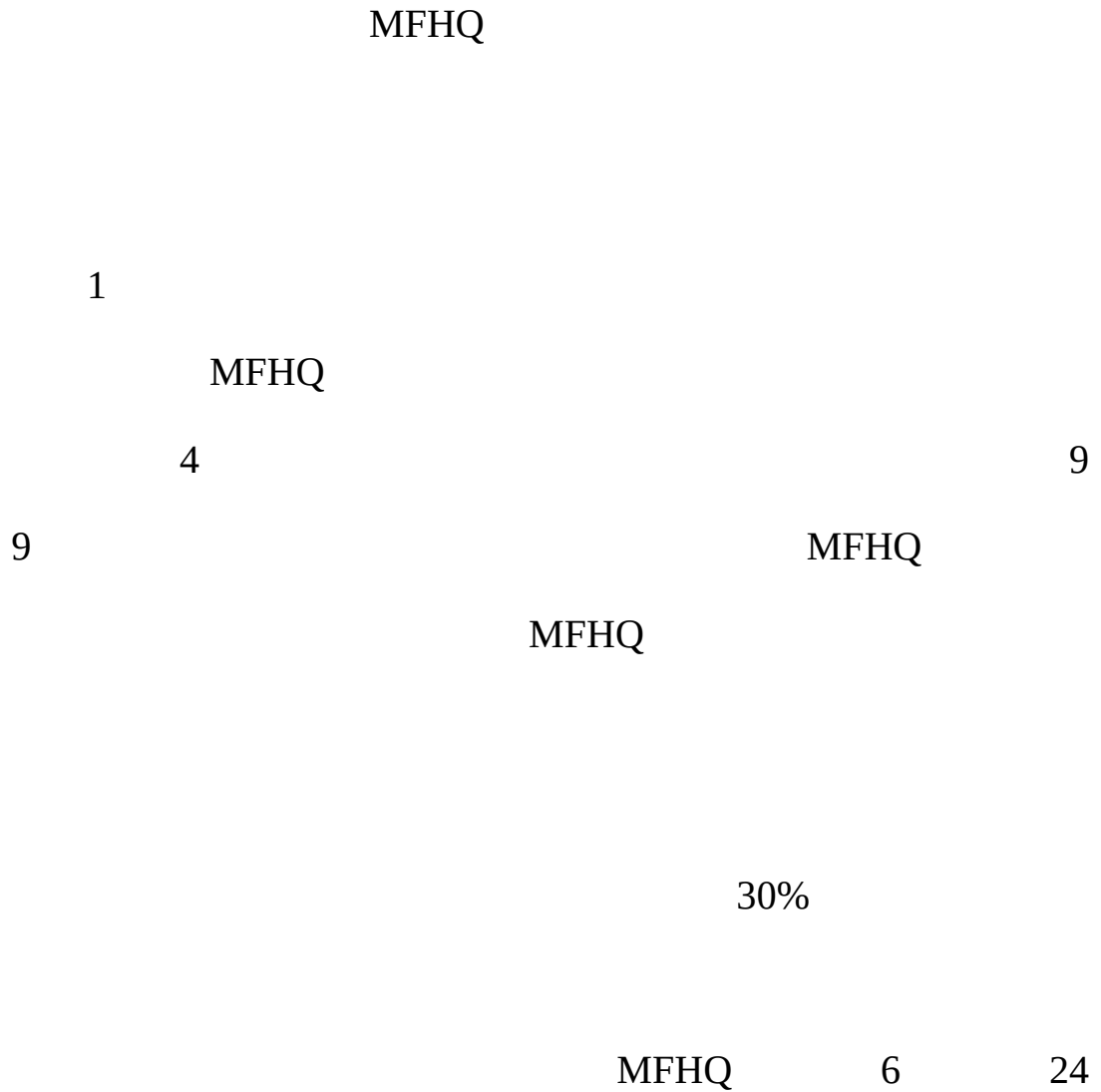
RG^{alpha}

MFHQ

Return Gap

Binsbergen, 2015

L. Pástor and Stambaugh, 2012 Zhu, 2018



9

MFHQ

14%

21%

FOF

	1				2017	7
	2			2017	2	
	3		2015	4		
2011	4	2				
	5				2007	8
	6				A	
	7	2007	4			
	8		2018	7		A
	9		2011	11		
2018	10	9				
2019	11	2		2020		
	12			Tam, O		
	13			2009	5	
	14	2014	1			
	15				2007	6
	16	2014	9			
	17					2012 6
	18	2011	10			
	19	2015	3			
	20	2004	10			
		2013	8		:	

- 21 2001 9
- 22 2008 9
- 23 2014 12
- 24 2010 9
- 25 2005 3
- 26 2011 10
- 27 2010
- 28 2003 10
- 29 :
- 30 2011 1
- 31 2013 7
- 32 2004 3
- 33 2011 12
- 34 2018 5
- 35 2014 5
- 36 2018 12
- 37 2002 1
- 38 2012 4
- 39 2014 7
- 40 2004
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