Internet Appendix to "Media Coverage and the Cross-section of Stock Returns"*

In this document, we display additional statistics describing our dataset and tests confirming the robustness of our findings.

Table IA.I Circulation Statistics of Our Newspaper Sample

This table presents ranking and circulation statistics of our newspaper sample. Newspapers are ranked according to their average weekday paid circulation from April 1, 2002 to September 30, 2002. Our sample includes four out of the five top-ranked daily newspapers – *USA Today, Wall Street Journal, New York Times*, and *Washington Post*. The *Los Angeles Times* (not in our sample) ranks 4th. Sources: Individual newspaper data from the Audit Bureau of Circulations, aggregate U.S. data from Newspaper Association of America.

Rank	Newspaper	Average weekday circulation
1	USA Today	2,230,899
2	Wall Street Journal	1,800,607
3	New York Times	1,113,000
5	Washington Post	746,724
	Total sample	5,891,230
	Total U.S. daily newspapers	55,186,157
	Fraction of total U.S. daily newspapers	11%

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Table IA.II
Transition Matrices Between Media Coverage Types

Panel A. Monthly transitions between three media groups (no, low, and high media coverage)

	To:		
From:	No Coverage	Low Coverage	High Coverage
No Coverage	83.26%	11.61%	5.13%
Low Coverage	64.11%	20.10%	15.79%
High Coverage	32.19%	19.10%	48.71%

Panel B. Transition probabilities between receiving media coverage ("Some media") and not receiving any media coverage ("No media") for various horizons

	Monthly transition matrix	
	No media	Some media
No media	0.8325	0.1675
Some media	0.4937	0.5063
Stationary probability	0.7467	0.2533
	Quarterly transition matrix	
	No media	Some media
No media	0.7875	0.2125
Some media	0.252	0.748
Stationary probability	0.5425	0.4575
	Semi-annual transition matrix	
	No media	Some media
No media	0.7461	0.2539
Some media	0.1979	0.8021
Stationary probability	0.4380	0.5620
	Annual transition matrix	
	No media	Some media
No media	0.7136	0.2864
Some media	0.1527	0.8473
Stationary probability	0.3478	0.6522

Table IA.III

More Statistics and Analyses on the Media Coverage Variable:
Media Coverage Statistics by Firm Characteristic

This table presents newspaper coverage statistics for stock groups sorted on various characteristics. "All papers" refers to all four national newspapers in our sample: WSJ, NYT, WP, and USAT. Size is measured as the average market capitalization of equity over the previous calendar year. Book-to-market is measured as the book value of equity over market value of equity as of the previous year-end. Individual ownership is calculated as one minus the aggregate institutional ownership using 13f data. Current month return is the return in the same calendar month as the media coverage statistic. Current month absolute return is the absolute value of the current month return. Past month return is the stock return in the calendar month preceding the measurement of media coverage statistics. Quintile 1 in each sort represents the group of firms with the lowest value of each variable. Analyst coverage is measured by the number of analysts providing fiscal year-end forecasts for the firm. Three groups of firms are formed based on analyst coverage: group 0 refers to firms with no analyst coverage, group 1 refers to firms with below-median analyst coverage, and group 2 refers to firms with above-median analyst coverage.

Group	U		_		Unconditional coverage statistics (% of stocks covered by)					
	All papers	WSJ	NYT	WP	USAT	Mean	Median			
			Panel	A: Size						
1 (Small)	0.45	0.35	0.24	0.03	0.01	3.3	2			
5 (Large)	0.92	0.79	0.86	0.37	0.17	28	14			
		Pa	nel B: Indiv	idual owner	ship					
1 (Low)	0.79	0.66	0.63	0.15	0.06	11	6			
5 (High)	0.59	0.48	0.45	0.10	0.06	13	5			
		F	Panel C: Ana	alyst covera	ge					
0 (No)	0.45	0.35	0.28	0.05	0.03	7	3			
1 (Low)	0.61	0.48	0.41	0.07	0.02	4.8	3			
2 (High)	0.86	0.72	0.74	0.23	0.1	18	8			
			Panel D: Bo	ok-to-mark	et					
1 (Low)	0.69	0.55	0.51	0.15	0.07	13	5			
5 (High)	0.67	0.52	0.53	0.12	0.06	13	5			
		Pa	nel E: Curre	nt month re	turn					
1 (Low)	0.67	0.56	0.49	0.13	0.05	12	4			
5 (High)	0.72	0.58	0.55	0.14	0.07	11	4			
		Panel F	: Current m	onth absolu	ite return					
1 (Low)	0.68	0.54	0.52	0.12	0.05	11	5			
5 (High)	0.7	0.57	0.52	0.14	0.06	12	4			
		P	anel G: Pas	t month retu	ırn					
1 (Low)	0.67	0.56	0.48	0.12	0.05	10	4			
5 (High)	0.7	0.56	0.53	0.15	0.06	12	5			

Table IA.IV

More Statistics and Analyses on the Media Coverage Variable:
Determinants of Media Coverage by Subperiods

This table investigates the determinants of media coverage for two equal-length subperiods, 1993 to 1997, and 1998 to 2002. The methodology and variable definitions are identical to those of Table II in the paper. In particular, in all regressions, Newey-West (1987) standard errors are used to correct for serial correlation.

	Model 1			Model 2			
	1993-1997	1998-202	t-stat for difference	1993-1997	1998-202	t-stat for difference	
SIZE	1.154	1.028	1.33	1.158	1.019	1.49	
	(13.56)**	(24.71)**		(13.80)**	(24.62)**		
B/M	0.268	0.204	2.81	0.265	0.198	3.33	
	(14.78)**	(14.87)**		(15.28)**	(19.37)**		
ANALYST	-0.538	-0.502	-0.25	-0.544	-0.483	-0.43	
	(5.80)*	(4.63)**		(5.99)**	(4.49)*		
INDIVIDUAL	0.117	0.237	-1.52	0.113	0.229	-1.50	
	-2.6	(3.67)*		-2.55	(3.63)*		
DISPERSION	0.245	0.206	0.28	0.227	0.2	0.17	
	(4.96)*	-1.57		(5.16)*	-1.27		
IDIO_VOL	51.166	35.323	1.55	50.808	36.156	1.58	
	(11.21)**	(3.85)*		(10.51)**	(4.55)*		
ABS_PAST_RET	-0.105	0.1	-1.10				
	-2	-0.56					
PAST_RET				-0.127	-0.044	-0.57	
				-2.55	-0.32		
CONSTANT	-14.711	-13.732	-0.89	-14.747	-13.613	-1.04	
	(16.53)**	(21.04)**		(16.72)**	(21.47)**		

Table IA.V

More Statistics and Analyses on the Media Coverage Variable:
Determinants of Media Coverage, by Size Groups

This table investigates the determinants of media coverage for different size groups. The methodology and variable definitions are identical to Table II of the revised draft except that we separately estimate the regression for three size portfolios. Newey-West (1987) standard errors are used to correct for serial correlation.

	Small	Stocks	Mediu	n Stock	Large	Stocks
·	Model 1	Model 2	Model 1	Model 2	Model 1	Model 2
SIZE	0.1158	0.1166	0.2614	0.2639	2.1596	2.1507
	3.26**	3.24**	14.16***	14.42***	8.91***	8.67***
B/M	0.0509	0.0493	0.0916	0.0868	0.379	0.3721
	4.37***	4.45***	12.61***	11.09***	7.96***	7.86***
ANALYST	0.0213	0.0206	-0.0145	-0.0171	-0.8618	-0.8426
	0.82	0.79	0.44	0.54	5.05***	4.62***
INDIVIDUAL	-0.0629	-0.0636	-0.1442	-0.1456	0.179	0.1646
	3.67***	3.66***	6.27***	6.37***	2.31**	2.17*
DISPERSION	0.0587	0.055	0.1706	0.1581	0.5937	0.5539
	2.00*	1.88*	3.04**	2.87**	1.77	1.49
IDIO_VOL	6.2558	6.1993	11.0102	11	84.3113	85.5752
	3.59***	3.48***	6.89***	6.16***	4.77***	4.74***
ABS_PAST_RET	-0.0119		-0.0226		0.0334	
	2.52**		1.15		0.13	
PAST_RET		-0.0158		-0.0531		-0.1692
		1.48		2.21*		0.8
CONSTANT	-1.4083	-1.4152	-3.3197	-3.3422	-30.655	-30.533
	3.42***	3.39***	16.52***	16.64***	9.77***	9.48***

Table IA.VI

Robustness Checks on Baseline Results: Portfolio Returns by Subperiods

This table reports the media effect for two equal subperiods, 1993 to 1997, and 1998 to 2002. The methodology and variable definitions are identical to the baseline results in the paper (Table IV). This table shows that the "media effect" seems stronger in the first subperiod. But a scatter plot of the return series suggests that this may be due to larger return volatilities in the second period (see figure IA.1 below).

_		First Period:	: 1993 - 1997		Second Period: 1998 - 2002				
		Pane	el A: Long no-	-media stocks, sh	ort high-media st	ocks			
	Model 1:	Model 2:	Model 3:	Model 4:	Model 1:	Model 2:	Model 3:	Model 4:	
	CAPM	3-factor	4-factor	PS Liquidity	CAPM	3-factor	4-factor	PS Liquidity	
Mkt-Rf	-0.0966*	-0.0376	-0.0416	-0.0361	-0.1530***	-0.1463***	-0.0972*	-0.0982*	
	[0.0879]	[0.3330]	[0.2993]	[0.3653]	[0.0069]	[0.0043]	[0.0505]	[0.0509]	
SMB		0.4406***	0.4432***	0.4313***		0.3626***	0.3373***	0.3397***	
		[0.0000]	[0.0000]	[0.0000]		[0.0000]	[0.0000]	[0.0000]	
HML		0.1539***	0.1507***	0.1431**		0.1435**	0.1722***	0.1664**	
		[0.0066]	[0.0086]	[0.0120]		[0.0263]	[0.0054]	[0.0114]	
UMD			0.0223	0.0425			0.0903***	0.0979**	
			[0.6371]	[0.3873]			[0.0037]	[0.0197]	
LIQ				-7.0168				-1.1306	
				[0.1636]				[0.7822]	
Intercept	0.0034*	0.0029**	0.0028**	0.0027**	0.005	0.0033	0.002	0.0019	
	[0.0594]	[0.0117]	[0.0193]	[0.0212]	[0.1112]	[0.1372]	[0.3499]	[0.3837]	
Observations	60	60	60	60	59	59	59	59	
R ²	0.05	0.67	0.67	0.68	0.12	0.58	0.64	0.64	
			Panel B	: Alphas for no-n	nedia stocks				
Intercept	0.0042*	0.0033***	0.0036***	0.0036***	0.0075*	0.0036	0.0053**	0.0050**	
	[0.0646]	[0.0000]	[0.0000]	[0.0000]	[0.0828]	[0.1145]	[0.0117]	[0.0183]	
			Panel C:	Alphas for high-	media stocks				
Intercept	0.0009	0.0004	0.0008	0.0009	0.0025	0.0003	0.0033*	0.0031*	
	[0.4434]	[0.6261]	[0.3721]	[0.3275]	[0.5361]	[0.9175]	[0.0579]	[0.0780]	

Figure IA.1

Robustness Checks on Baseline Results: Scatter Plot of the Long and Short Legs of the Portfolio Strategy

The picture shows monthly returns on the high-media (red dots) and low-media (green dots) legs of the portfolio strategy. Returns in month t+1 are displayed, when stocks are sorted on media coverage in month t. Returns on both legs of the portfolio became more noisy in the second subperiod.

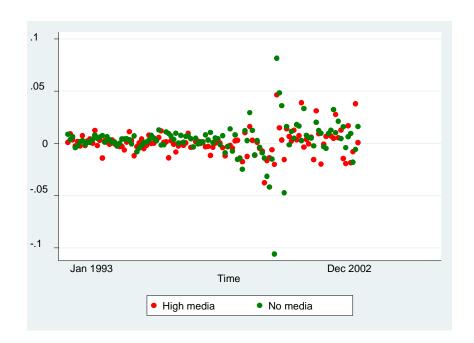


Table IA.VII

Robustness Checks on Baseline Results: Portfolio
Results Using Bid-Ask Mid-point Returns

This table reproduces our baseline media effect analysis (Table IV of the paper) using returns based on bid-ask midpoints rather than closing prices. Month-end bid and ask prices are obtained from the CRSP monthly stock file. Methodology and variable definitions are otherwise identical to Table VII in the paper.

	Model 1:	Model 2:	Model 3:	Model 4:
	CAPM	FF 3-factor	Carhart 4-factor	PS Liquidity
	Panel A: Long n	o-media stocks, short l	nigh-media stocks	
Mkt-Rf	-0.1136***	-0.1032***	-0.0714**	-0.0718**
	[0.0041]	[0.0027]	[0.0302]	[0.0298]
SMB		0.3711***	0.3529***	0.3550***
		[0.0000]	[0.0000]	[0.0000]
HML		0.1280***	0.1458***	0.1396***
		[0.0048]	[0.0007]	[0.0020]
UMD			0.0900***	0.0996***
			[0.0001]	[0.0011]
LIQ				-1.4143
				[0.6294]
Intercept	0.0051***	0.0043***	0.0030**	0.0029**
	[0.0051]	[0.0010]	[0.0159]	[0.0195]
Observations	119	119	119	119
R ²	0.07	0.55	0.61	0.61
	Panel B: A	lphas for no-media cov	rerage stocks	
Intercept	0.0066***	0.0029*	0.0049***	0.0046***
	[0.0041]	[0.0520]	[0.0005]	[0.0009]
	Panel C: Alp	ohas for high-media co	verage stocks	
Intercept	0.0015	-0.0014	0.0019	0.0017
-	[0.4537]	[0.4005]	[0.1048]	[0.1537]

Table IA.VIII

Robustness Checks on Baseline Results:
Portfolio Results after Including the PIN Factor as an Additional Factor

This table reports results of the media effect after including the PIN factor as an additional factor in our multivariate model. PIN factor data are obtained from Soeren Hvidkjaer's website. Methodology and variable definitions are otherwise identical to Table IV of the paper. This table shows that including the PIN factor does not diminish the alpha on the long-short portfolios.

	FF 3-factor Model	3-factor + PIN	4-Factor + PIN	5-factor + PIN
Mkt-RF	-0.1210***	-0.1203***	-0.0919***	-0.0927***
	[0.0003]	[0.0003]	[0.0043]	[0.0040]
SMB	0.3752***	0.3653***	0.3494***	0.3529***
	[0.0000]	[0.0000]	[0.0000]	[0.0000]
HML	0.1521***	0.1381***	0.1545***	0.1419***
	[0.0006]	[0.0023]	[0.0004]	[0.0017]
PINF		-0.0009	-0.0009	-0.0009
		[0.2162]	[0.2084]	[0.1889]
UMD			0.0805***	0.0988***
			[0.0003]	[0.0008]
liq				-2.7167
				[0.3391]
Intercept	0.0035***	0.0037***	0.0026**	0.0025**
	[0.0048]	[0.0030]	[0.0335]	[0.0437]
Observations	119	119	119	119
R ²	0.59	0.59	0.64	0.64
	Panel B: Alph	as for no-media cove	rage stocks	
Intercept	0.0024	0.0027*	0.0045***	0.0041***
	[0.1018]	[0.0735]	[0.0013]	[0.0025]
	Panel C: Alpha	s for high-media cove	erage stocks	
Intercept	-0.0011	-0.0011	0.0019	0.0017
	[0.4762]	[0.4962]	[0.1145]	[0.1650]

Table IA.IX

Robustness Checks on Baseline Results: Portfolio Alphas – Earnings Months and Non-earnings Months

This table reports the media effects for earnings months (January, April, July, and October) and non-earnings months. Methodology and variable definitions are identical to Table IV of the paper (baseline results). This table shows that the media effect is concentrated in non-earnings months. This is consistent with our finding that excluding earnings-related coverage actually leads to a stronger no-media premium (Panel B of Table VI), and our conclusion that the media effect is not driven by post-earnings announcement drift or other market reactions to earnings-related news.

	Non-earnings Months						Earnings	Months	
	Model 1:	Model 2:	Model 3:	Model 4:	_	Model 1:	Model 2:	Model 3:	Model 4:
	CAPM	FF 3-factor	Carhart 4- factor	PS Liquidity	_	CAPM	FF 3-factor	Carhart 4- factor	PS Liquidity
	Panel A: L	ong-short str	ategy alphas			Pa	nel A: Long-sho	ort strategy alp	has
Mkt-Rf	-0.1917***	-0.1563***	-0.1290***	-0.1289***		-0.0777	-0.0544	-0.0288	-0.0326
	[0.0001]	[0.0001]	[0.0009]	[0.0010]		[0.2244]	[0.3600]	[0.6290]	[0.5838]
SMB		0.3705***	0.3632***	0.3619***			0.4101***	0.3736***	0.3680***
		[0.0000]	[0.0000]	[0.0000]			[0.0000]	[0.0000]	[0.0000]
HML		0.1341***	0.1499***	0.1527***			0.2273**	0.2296***	0.1919**
		[0.0073]	[0.0018]	[0.0024]			[0.0126]	[0.0100]	[0.0419]
UMD			0.0776***	0.0732**				0.0768*	0.1265*
			[0.0022]	[0.0279]				[0.0906]	[0.0533]
LIQ				0.6899					-5.8409
				[0.8418]					[0.2808]
Intercept	0.0054**	0.0053***	0.0039***	0.0040***		0.003	-0.0005	-0.0008	-0.0005
	[0.0105]	[0.0003]	[0.0063]	[0.0069]		[0.3616]	[0.8344]	[0.7541]	[0.8418]
Observations	79	79	79	79		40	40	40	40
R ²	0.17	0.64	0.68	0.68		0.04	0.56	0.59	0.61
Pan	el B: Alphas	for no-media	coverage sto	ocks		Panel B	: Alphas for no-	media coveraș	ge stocks
Intercept	0.0054*	0.0032*	0.0058***	0.0055***		0.0086**	0.0011	0.0015	0.0022
	[0.0680]	[0.0540]	[0.0001]	[0.0003]		[0.0414]	[0.7268]	[0.6332]	[0.4584]
Pane	el C: Alphas	for high-med	ia coverage st	tocks		Panel C:	Alphas for high	n-media cover	age stocks
Intercept	0.0001	-0.0022	0.0019	0.0016		0.0056*	0.0016	0.0022	0.0027
	[0.9839]	[0.2720]	[0.2042]	[0.3002]	_	[0.0874]	[0.5482]	[0.3003]	[0.2013]