### Restaurants Industry

# Restaurants Weekly: Breaking into breakfast

**Price Objective Change** 

### W/e 3/1: Restaurants underperform; growth leads

For the week ended 3/1, the S&P Restaurant Index (-0.9%) underperformed the market (S&P 500: 0.6%) amidst a flurry of restaurant earnings reports. This week's leaders include growth restaurant concepts SG, SHAK, and WING, all of which reported better-than-expected 4Q results on both SSSG and EBITDA (see links to 2/29 4Q Earnings Recap: PZZA, SG and 2/21 4Q Earnings Recap). While positioning played a role in SG's outperformance (+45%), we view the move as consistent with the strongly positive reactions the market has had to companies reporting traffic momentum as well as margin flow through (e.g., CMG, SHAK, TXRH, and WING posting both BTE comps and margins). Year-to-date, SG, SHAK, and WING lead the sector, with gains of 47.0%, 43.5%, and 40.4%, respectively.

#### Chart of the week: Wendy's breakfast growth

This week's chart of the week compares Wendy's breakfast sales mix (breakfast sales as a % of total) to the company's same-store sales growth. In March 2020, Wendy's relaunched a breakfast menu to accelerate sales growth (we note Wendy's had previously introduced breakfast items in 2007 and 2012). At current AUVs, the company's weekly breakfast sales target of \$6,000 per restaurant (a little more than double 4Q23's estimated weekly breakfast sales  $\sim$ \$2,700 per restaurant), would equate to a  $\sim$ 16% sales mix, roughly equivalent to Burger King's sales mix. In F24, WEN plans to invest \$55mm in incremental company advertising in the U.S. and Canada with an expectation that it will drive a  $\sim$ 50% increase in breakfast sales ( $\sim$ 10% sales mix). We expect consumers to respond positively but note that the stability of WEN's breakfast sales mix  $\sim$  6-8% of total  $\sim$  suggests getting to 10% and beyond may not be easy (see a link to our  $\sim$ 2/15 4Q Earnings Recap: SHAK, WEN, TXRH).

#### Industry relative valuation & restaurants comps sheet

Relative to the broader market, the S&P 500 restaurants index is trading at a 15% discount (vs the 10-year average relative P/E multiple of 1.4x), in line with January. Our restaurants valuation and KPI sheets can be found on page 6.

#### Raising SG PO on higher terminal multiple

We update our earnings power valuation analysis to reflect a higher terminal EV/EBITDA multiple (to 19x vs 16.5x previously, as market multiples have expanded), which is in line with mature growth restaurant peers after adjusting for SG's domestic, company-operated status. Based on \$2.8mm AUVs, 18% RLMs, and 8% G&A ratio, we estimate EBITDA of \$274mm. Applying a 19x terminal multiple (vs. 16.5x prior), we arrive at an enterprise value of \$5.2 bb. Discounted back, we arrive at a present value of \$18 (vs \$16 prior).

### **Upcoming events: FWRG 4Q EPS**

On Tuesday 3/5, FWRG reports 4Q earnings before market open. Please reach out to your BofA salesperson or Sara Senatore (sara.senatore@bofa.com) if you are interested in follow-ups post earnings.

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 16 to 19. Analyst Certification on page 15. Price Objective Basis/Risk on page 10.

#### 04 March 2024

Equity United States Restaurants

#### Sara Senatore

Research Analyst BofAS +1 646 743 2110 sara.senatore@bofa.com

#### Katherine Griffin Research Analyst

BofAS +1 646 855 2849 katherine.griffin@bofa.com

#### Jessica Owusu Afari

Research Analyst BofAS +1 646 617 9040 iessica.owusu-afari@bofa.com

#### Stock symbol key:

BLMN: Bloomin' Brands BROS: Dutch Bros DRI: Darden Restaurants CAKE: Cheesecake Factory CBRL: Cracker Barrel CMG: Chipotle

DNUT: Krispy Kreme

DPZ: Domino's

EAT: Brinker International FWRG: First Watch JACK: Jack in the Box MCD: McDonald's

PZZA: Papa Johns

QSR: Restaurant Brands Int'l

SBUX: Starbucks SG: Sweetgreen SHAK: Shake Shack TXRH: Texas Roadhouse

WEN: Wendy's WING: Wingstop YUM: Yum Brands

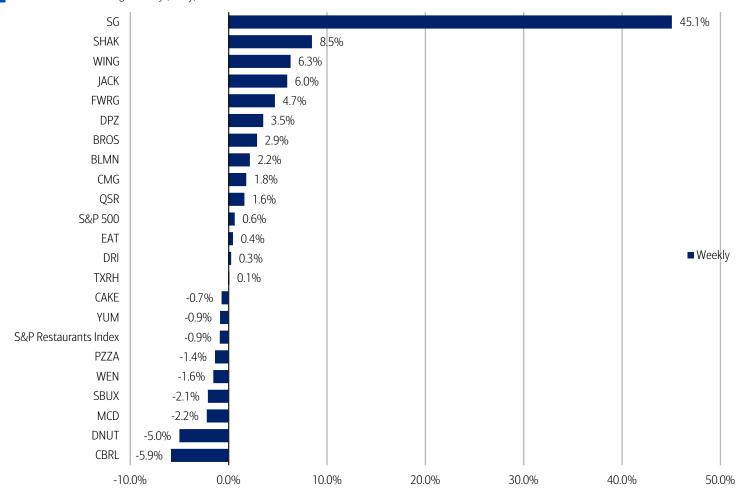
#### Glossary of terms:

BTE = better than expected SSSG – same-store sales growth, or comparable sales ("comps") RLM – restaurant level margin G&A – general & administrative expense

AUV – average unit volume

Exhibit 1: Restaurant stocks underperformed the market last week

BofA Restaurants Coverage Weekly (5-day) Share Price Performance



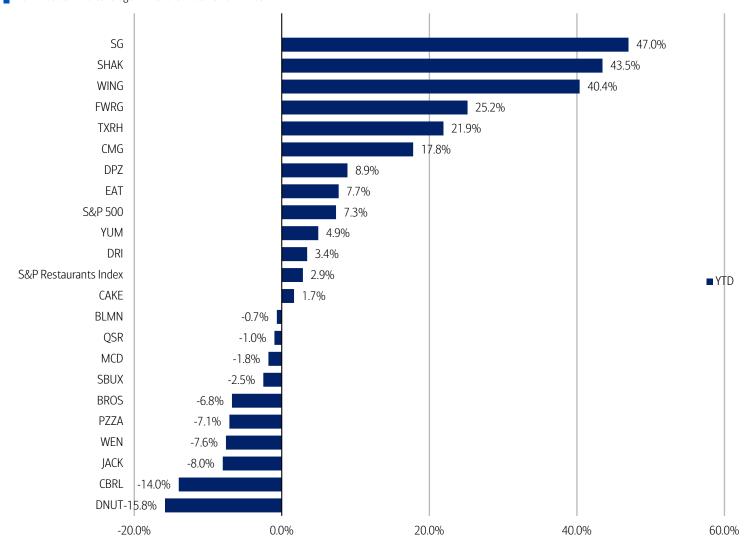
Source: Bloomberg

BofA GLOBAL RESEARCH



#### Exhibit 2: YTD, SG, SHAK and WING lead

BofA Restaurants Coverage YTD Share Price Performance



Source: Bloomberg

BofA GLOBAL RESEARCH

BofA GLOBAL RESEARCH

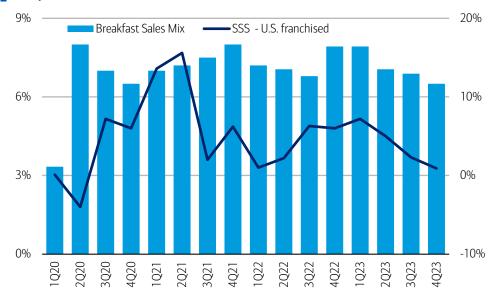


### Chart of the week: WEN breakfast sales growth

This week's chart of the week compares Wendy's breakfast sales mix (breakfast sales as a % of total) to the company's same-store sales growth. In March 2020, Wendy's relaunched a breakfast menu to accelerate sales growth (we note Wendy's had previously introduced breakfast items in 2007 and 2012). At current AUVs, the company's weekly breakfast sales target of \$6,000 per restaurant (a little more than double 4Q23's estimated weekly breakfast sales  $\sim$ \$2,700 per restaurant), would equate to a  $\sim$ 16% sales mix, roughly equivalent to Burger King's sales mix. In F24, WEN plans to invest \$55mm in incremental company advertising in the U.S. and Canada with an expectation that it will drive a  $\sim$ 50% increase in breakfast sales ( $\sim$ 10% sales mix). We expect consumers to respond positively but note that the stability of WEN's breakfast sales mix  $\sim$  6-8% of total  $\sim$  suggests getting to 10% and beyond may not be easy (see a link to our 2/15 4Q Earnings Recap: SHAK, WEN, TXRH).

### Exhibit 3: WEN's breakfast sales mix has held steady at ~6-8% of total

Wendy's breakfast sales mix (LHS) vs US franchised SSSG



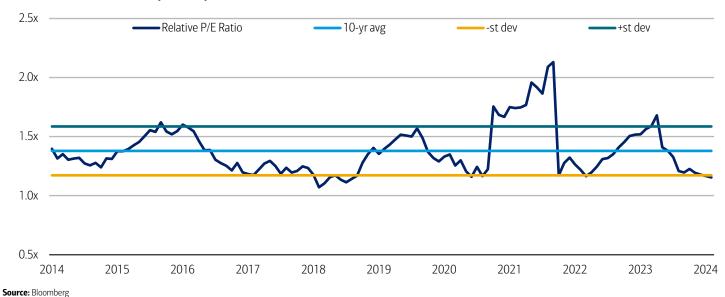
Source: Company filings, BofA Global Research



# Valuation & comps sheet

#### Exhibit 4: The S&P 500 Restaurant Index Relative P/E is below its 10-year average

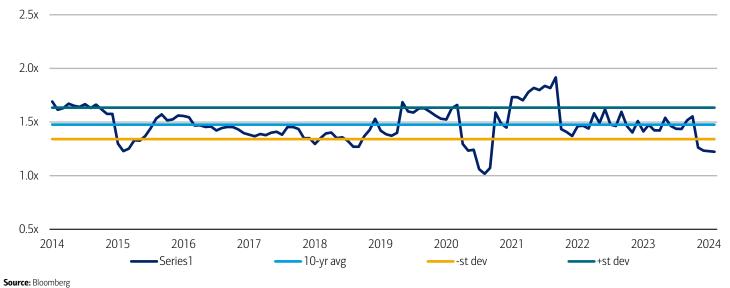
S&P 500 Restaurants Index P/E (10-year history)



BofA GLOBAL RESEARCH

#### Exhibit 5: The S&P 500 Restaurants Index Relative EV/EBITDA is below its 10-year average

S&P 500 Restaurants Index Relative EV/EBITDA (10-year history)



\$ in mm except per share values							Price forma				F۱	/EBITI	DΔ		P/E			EBITDA			EPS	
per sital e values			Last	Price	Upside/Downside	I CI	OTTIL	ilice	Market	Enterprise		/LUIII	<i>-</i>		1/L			LUITUA			LIJ	
Company		Rating	Price		potential to PO (%)	1 wk	3M	YTD	Cap	Value		2023E	2024E	2022	2023E	2024E	2022	2023E	2024E	2022	2023E	2024
Limited Service		•		•	•																	
Dutch Bros	BROS	Buy	\$29.67	\$48	62%	3%	5%	-6%	\$5,256	\$5,240	58.8x	32.7x	27.5x	179.1x	93.1x	79.5x	\$89	\$160	\$191	\$0.17	\$0.32	\$0.37
Krispy Kreme	DNUT	Buy	\$12.47	\$16	28%	-7%	-6%	-17%	\$2,104	\$3,007	15.8x	14.2x	12.9x	41.7x	46.1x	40.9x	\$191	\$212	\$234	\$0.30	\$0.27	\$0.30
Starbucks	SBUX	Buy	\$93.16	\$127	36%	-3%	-6%	-3%	\$105,476	\$118.417	18.8x	16.5x	14.5x	31.5x	26.3x	23.0x	\$6,304	\$7.163	\$8,175	\$2.96	\$3.54	\$4.06
Domino's Pizza	DPZ	Buy	\$447.23	\$550	23%	3%	13%	8%	\$15,569	\$20,400	24.1x	22.7x	20.9x	35.7x	30.5x	27.9x	\$848	\$900	\$977	\$12.53	\$14.67	\$16.00
lack in the Box	JACK	Buy	\$74.62	\$104	39%	5%	-3%	-9%	\$1.458	\$3,312	5.9x	10.2x	9.8x		12.4x		\$559	\$324	\$337	\$6.25	\$6.02	\$6.51
El Pollo Loco	LOCO	NC.	\$9.17	*		1%	7%	4%	\$288	\$374	5.5x	6.9x	7.1x		12.9x		\$68	\$54	\$53	\$0.58	\$0.71	\$0.73
McDonald's	MCD	Neutral	\$290.73	\$341	17%	-2%	2%	-2%	\$209.922	\$245.376	21.8x	17.9x	16.6x	28.8x	24.4x			\$13,710	\$14.758			\$12.60
Papa John's	PZZA	Buy	\$69.94	\$90	29%	-3%	3%	-8%	\$2,292	\$3,062	14.6x	13.8x			25.8x		\$209	\$221	\$231	\$2.93	\$2.71	\$2.77
Carrols Restaurant Group	TAST	NC.	\$9.46	Ų30	23 70	0%		20%	\$488	\$923	5.5x	6.3x	6.0x	-13.5x		16.5x	\$168	\$146	\$154	-\$0.70	\$0.48	\$0.57
Restaurant Brands Internation		Underperform		\$78	0%	2%	7%	-1%	\$35,349	\$47,312		18.5x			24.3x		\$2,326		\$2,786	\$3.09	\$3.19	\$3.33
Wendy's	-	Underperform		\$20	11%	-1%	-8%	-7%	\$3,702	\$6,018		11.2x	11.1x		18.4x		\$498	\$537	\$544	\$0.86	\$0.98	\$1.01
Wingstop	WING	Buy	\$366.28	\$376	3%	8%	51%		\$10.746	\$11,370		77.7x	66.0x		147.8x		\$108	\$146	\$172	\$1.83	\$2.48	\$2.82
Yum! Brands	YUM	Neutral	\$137.42	\$151	10%	-1%	8%	5%	\$38.661	\$49,381		20.2x			26.6x		\$2.307		\$2.645	\$4.51	\$5.17	\$5.46
Chipotle Mexican Grill	CMG		\$2,688.78		12%	2%	20%	- ,-	\$73,729	\$72,682		37.9x			59.9x		\$1,468	\$1,916	\$2,272	\$32.78	\$44.87	\$54.35
Sweetgreen	SG	Buy	\$16.36	\$18	10%	_ ,-	64%		\$1.850	\$1.606			133.6x		-27.4x		-\$49	-\$3	\$12	-\$1.01	-\$0.60	-\$0.41
Cava	CAVA	NC	\$58.30	ŞΙΟ	10 /0	14%	0 7 /0	7J /U	\$6.646	\$6,346		71.1x		NM	NM	NM	\$113	\$89	\$113	NM	\$0.00	\$0.31
Limited Service Average	CAVA	IVC	JJ0.J0			1 7 /0			↓0,0 <del>1</del> 0	JU,J-10		-8.4x			35.9x		J115	200	2115	INIVI	JU.ZZ	١ د.٥٠
Littlica Service Average											27.77	U.TA	20.07	TU.JA	JJ.JA	31.31						
Full Service																						
Bl's Restaurants	BJRI	NC	\$35.48			4%	15%	10%	\$829	\$905	6.0x	7.7x	7.1x	NM	NM	23.5x	\$152	\$117	\$128	\$0.34	\$1.21	\$1.51
Bloomin' Brands	BLMN	Neutral	\$27.99	\$30	7%	2%	16%	-1%	\$2,437	\$3,478	6.9x	6.4x	6.5x	11.1x	9.8x	10.5x	\$506	\$546	\$532	\$2.51	\$2.87	\$2.65
Cheesecake Factory	CAKE	Neutral	\$35.41	\$38	7%	-1%	8%	1%	\$1,810	\$2,359	6.1x	8.7x	8.0x		13.2x		\$389	\$272	\$296	\$1.53	\$2.67	\$3.16
Darden Restaurants	DRI	Buy	\$171.29	\$193	13%	1%	7%	4%	\$20,454	\$2,339	14.5x	14.0x	12.5x		21.4x		\$1,531	\$1,590	\$1.777	\$7.40	\$8.00	\$8.94
Brinker International			· .	\$193 \$44	-5%	0%	23%	4% 7%	\$20,434	\$22,167	8.2x	8.7x	7.2x	25.1x 15.0x	16.3x		\$358	\$1,590	\$411	\$3.09	\$2.85	\$3.60
Dave & Buster's	EAT PLAY	Underperform NC	\$62.48	\$44	-5%	- ,-	45%	. ,-	\$2,045	\$2,95 <del>4</del> \$3,808	6.1x	6.7x 7.4x	7.2x 6.8x	NM	19.3x	12.8x 14.5x	\$629	\$540 \$518	\$562	\$3.09 NM	\$2.85	\$4.32
Pave & Buster's Red Robin Gourmet Burgers	RRGB	NC NC	\$7.58				-19%		\$118	\$3,000 \$303	2.3x	7.4x 4.4x	3.8x	-2.3x		-28.8x	\$129	\$69	\$79	-\$3.26	\$3.2 <del>4</del> -\$1.31	-\$0.26
				¢160	70/		, -	,-	T											7		
Texas Roadhouse	TXRH	Buy	\$149.60	\$160	7%		31%		\$9,997	\$9,921	21.7x	19.6x	16.2x	NM 10.0	33.0x		\$457	\$507	\$613	\$3.97	\$4.54	\$5.48
Cracker Barrel		Underperform		\$76	15%	-6%		-14%	\$1,472	\$1,983	7.4x	8.6x	9.4x		12.1x	14.0x	\$266	\$229	\$211	\$6.10	\$5.47	\$4.74
Denny's	DENN	NC	\$9.19	<b>ć</b> 20	100/	0%		-16%	\$480	\$746	10.5x	8.5x	8.1x	15.6x	14.1x	12.3x	\$71	\$87	\$92	\$0.59	\$0.65	\$0.75
First Watch	FWRG	Buy	\$25.37	\$28	10%	6%	35%	26%	\$1,518	\$1,618	23.2x	17.5x	15.5x	NM	52.7x	49.4x	\$70	\$92	\$104	\$0.22	\$0.48	\$0.51
Fine Dining	CT!/C	NC	6400			F.C.'	2001	2.40/	6100	6100	2 7	4.6	2.2	N. 12 -	170	7.0	<b>خ</b> دم	640	ć E C	N 13 4	¢0.22	ć0 F0
ONE Group Hospitality	STKS	NC	\$4.03			5%	-20%	-34%	\$126	\$183	3.7x	4.6x	3.3x			7.8x	\$50	\$40	\$56	NM	\$0.23	\$0.52
Full Service Average										+=	9.6x	9.5x	8.6x		17.5x		+0=6				****	
SPX			\$5,137.85	)				8%		\$5,612	14.9x	14.0x	12.7x	24.5x	21.3x	19.0x	\$376	\$402	\$443	\$222.87	\$240.86	\$270.7

**Source:** BofA Global Research estimates, Bloomberg for companies not covered; NC – Not Covered



Exhibit 7: Restaurant companies across the Limited Service and Full Service industries

111	Restaurants key performance indicators sh
1.	S in mm except

\$ in mm except per share values						EPS		gro	owth y/y (	(%)	FCF		Net Leverage			
		Last	Price	Upside/Downside												
Company	Rating	Price	Objective	to PO (%)	2022	2023E	2024E	2022	2023E	2024E	2022	2023E	2024E	2022	2023E	2024E
imited Service																
BROS	Buy	\$29.67	\$48	62%	\$0.17	\$0.32	\$0.37	-44%	92%	17%	-\$97	-\$78	-\$109	2.1x	0.5x	0.8x
DNUT	Buy	\$12.47	\$16	28%	\$0.30	\$0.27	\$0.30	-11%	-9%	13%	\$17	-\$67	\$113	2.2x	4.0x	3.6x
SBUX	Buy	\$93.16	\$127	36%	\$2.96	\$3.54	\$4.06	-8%	20%	15%	\$2,556	\$3,675	\$1,380	1.9x	1.7x	1.8x
DPZ	Buy	\$447.23	\$550	23%	\$12.53	\$14.67	\$16.00	-7%	17%	9%	\$388	\$485	\$646	5.9x	5.4x	4.8x
JACK	Buy	\$74.62	\$104	39%	\$6.25	\$6.02	\$6.51	-11%	-4%	8%	\$140	\$56	\$79	5.1x	9.7x	9.7x
LOCO	NC	\$9.17			\$0.55	\$0.71	\$0.73	-23%	29%	3%	\$19	NM	NM	3.4x	3.2x	3.2x
MCD	Neutral	\$290.73	\$341	17%	\$10.11	\$11.94	\$12.60	9%	18%	6%	\$5,488	\$8,310	\$8,818	2.9x	2.4x	2.1x
PZZA	Buy	\$69.94	\$90	29%	\$2.93	\$2.71	\$2.77	-16%	-8%	2%	\$39	\$116	\$95	4.0x	4.4x	4.4x
TAST	NC	\$9.46			-\$0.87	\$0.48	\$0.57	50%	-156%	19%	-\$17	NM	NM	9.3x	4.5x	4.5x
QSR	Underperform	\$77.71	\$78	0%	\$3.09	\$3.19	\$3.33	12%	3%	4%	\$1,390	\$1,203	\$2,150	5.6x	5.2x	4.6x
WEN	Underperform	\$18.02	\$20	11%	\$0.86	\$0.98	\$1.01	5%	14%	3%	\$182	\$259	\$280	4.2x	4.2x	4.1x
WING	Buy	\$366.28	\$376	3%	\$1.83	\$2.48	\$2.82	-38%	35%	14%	\$81	\$91	\$110	5.0x	5.1x	5.1x
YUM	Neutral	\$137.42	\$151	10%	\$4.51	\$5.17	\$5.46	-1%	15%	6%	\$1,148	\$1,318	\$1,635	5.0x	4.4x	3.8x
CMG	Buy	\$2,688.78	\$3,000	12%	\$32.78	\$44.87	\$54.35	29%	37%	21%	\$493	\$837	\$1,464	-0.3x	-0.3x	-0.5x
SG	Buy	\$16.36	\$18	10%	-\$1.01	-\$0.60	-\$0.41	-82%	-41%	-30%	\$0	\$0	\$0	-0.2x	-0.1x	-0.1x
SHAK	Neutral	\$107.25	\$99	-8%	-\$0.24	\$0.37	\$1.14	-135%	-256%	210%	-\$14	\$10	\$28	4.0x	3.1x	3.1x
Limited Service Averag	ze															
	)-															
Full Service																
BJRI	NC	\$35.48			\$0.78	\$1.21	\$1.51	-36%	55%	25%	\$7	\$34	\$37	3.4x	3.4x	3.4x
BLMN	Neutral	\$27.99	\$30	7%	\$2.51	\$2.87	\$2.65	-7%	14%	-7%	\$171	\$311	\$290	1.5x	1.2x	1.0x
CAKE	Neutral	\$35.41	\$38	7%	\$1.53	\$2.68	\$3.16	-50%	76%	18%	\$49	\$171	\$118	5.2x	3.3x	3.3x
CHUY	NC	\$33.89	•		\$1.90	\$1.86	\$2.08	2%	-2%	12%	\$15	\$20	\$20	-1.2x	-0.9x	-0.9x
DIN	NC	\$49.06			\$6.40	\$6.49	\$6.83	-1%	1%	5%	\$54	\$118	\$121	7.6x	8.5x	8.5x
DRI	Buy	\$171.29	\$193	13%	\$7.40	\$8.00	\$8.94	-112%	8%	12%	\$888	\$988	\$943	0.4x	0.4x	0.9x
EAT	Underperform	\$46.24	\$44	-5%	\$3.09	\$2.85	\$3.60	-1%	-8%	27%	\$132	\$86	\$141	2.7x	2.6x	1.7x
PLAY	NC	\$62.48	ΨII	370	\$2.76	\$3.24	\$4.32	NM	NM	33%	\$210	\$113	\$141	4.5x	4.2x	4.2x
RRGB	NC	\$7.58			-\$1.23	-\$1.31	-\$0.26	-6%	6%	-80%	-\$3	NM	NM	6.7x	5.1x	5.1x
TXRH	Buy	\$149.60	\$160	7%	\$3.97	\$4.54	\$5.48	13%	14%	21%	\$248	\$156	\$258	1.1x	1.3x	1.3x
CBRL	Underperform	\$66.31	\$760	15%	\$6.10	\$5.47	\$4.74	18%	-10%	-13%	\$107	\$130	\$144	1.5x	1.7x	1.8x
DENN	NC	\$9.19	0 ا ډ	13/0	\$0.62	\$0.65	\$0.75	-5%	6%	15%	\$28	NM	NM	5.8x	5.8x	5.8x
FWRG	Buy	\$25.37	\$28	10%	\$0.02	\$0.03	\$0.73	NM	122%	7%	\$20	\$34	\$19	0.0x	0.0x	0.0x
Fine Dining	ьиу	۱ ک.ک	J20	10-70	۷۵.۷۷	,υ. <del>1</del> υ	۱ د.טډ	INIVI	12270	7 70	υÇ	₽٦٠	ر ۱ ډ	0.07	0.07	U.UX
STKS	NC	\$4.03			NM	\$0.23	\$0.52	NM	NM	129%	-\$7	-\$23	-\$9	3.0x	4.3x	4.3x
Full Service Average	INC	\$ <del>4</del> .05			IVIVI	ŞU.Z3	۷۷.۵∠	INIVI	IVIVI	12570	-\$/	-222	-52	J.UX	4.38	4.JX
i uii service Average																
SPX		\$5,137.85			¢222 07	\$240.86	\$270.75	-7%	8%	12%	\$169	\$209	\$241	1 20	1.3x	1 20
ora -		\$5,137.85			\$222.87	\$Z4U.86	\$2/0./5	- / %	8%	12%	\$109	\$209	\$24 I	1.3x	1.5X	1.3x

**Source:** BofA Global Research estimates, Bloomberg for companies not covered; NC – Not Covered





#### **Exhibit 8: Stocks mentioned**

Prices and ratings for stocks mentioned in this report

<b>BofA Ticker</b>	Bloomberg ticker	Company name	Price	Rating
BLMN	BLMN US	Bloomin Brands	US\$ 27.99	C-2-7
EAT	EAT US	Brinker Intl	US\$ 46.24	C-3-9
CAKE	CAKE US	Cheesecake Factory	US\$ 35.41	C-2-7
CMG	CMG US	Chipotle Mex Grill	US\$ 2688.78	B-1-9
CBRL	CBRL US	Cracker Barrel	US\$ 66.31	B-3-7
DRI	DRI US	Darden Restaurants	US\$ 171.29	B-1-7
DPZ	DPZ US	Domino's Pizza	US\$ 447.23	B-1-7
BROS	BROS US	Dutch Bros	US\$ 29.67	C-1-9
FWRG	FWRG US	First Watch	US\$ 25.37	C-1-9
JACK	JACK US	Jack in the Box	US\$ 74.62	C-1-7
DNUT	DNUT US	Krispy Kreme	US\$ 12.47	C-1-7
MCD	MCD US	McDonald's	US\$ 290.73	A-2-7
PZZA	PZZA US	Papa Johns Int	US\$ 69.94	B-1-7
QSR	QSR US	Restaurant Brands In	US\$ 77.71	B-3-7
YQSR	QSR CN	Restaurant Brands In	C\$ 105.35	B-3-7
SBUX	SBUX US	Starbucks	US\$ 93.16	B-1-7
SG	SG US	Sweetgreen	US\$ 16.36	C-1-9
TXRH	TXRH US	Texas Roadhouse	US\$ 149.6	B-1-7
WEN	WEN US	Wendy's Co	US\$ 18.02	B-3-7
WING	WING US	Wingstop Inc	US\$ 366.28	C-1-7
YUM	YUM US	Yum Brands Inc	US\$ 137.42	B-2-7

Source: BofA Global Research

BofA GLOBAL RESEARCH

### Price objective basis & risk

#### **Bloomin Brands (BLMN)**

Relative to the S&P 500, BLMN's present P/E multiple is 0.6x, in line with its 5-year average (excluding the COVID-19 spike). We believe the multiple is unlikely to expand in the near term given the lack of visibility on the demand environment. We apply this multiple of 0.6x (10.8x absolute) to our 12 month forward estimates - F25 EPS of \$2.77-to arrive at our \$30 PO.

Downside Risks: 1) Bloomin' Brands same-store sales growth could be slower than expected if macro headwinds translate into lower restaurant consumption or sales driving initiatives lack traction, 2) Restaurant-level margins could come under further pressure if topline growth falters, 3) Normalizing G&A expense could pressure margins.

Upside Risks: 1) Same-store sales growth could exceed expectations if menu or marketing initiatives prove better than expected, 2) Cost saving initiatives could drive restaurant level margins above historical averages, 3) Ability to improve already low G&A expense ratio could support margins.

#### **Brinker International (EAT)**

Brinker's relative valuation to the S&P is 0.6x, in line with its 5-year historical average (0.6x), which we view as the relevant time frame given higher leverage and slower growth vs the more distant past. We valuation to remain in line with the historical range as upside to restaurant margins and EPS are limited by traffic/mix headwinds and investments to sustain traffic gains. Applying a 0.6x relative multiple (unchanged) to our 12-month forward EPS (3QF25-2QF26: \$4.23), we arrive at our PO of \$44.



Upside risks are i) higher-than-expected demand from consumer trade-down into lower price point casual dining brands, which could drive Chili's sales volumes above our forecasts, ii) higher than forecasted debt pay down, which could expand Chili's relative multiple above our target valuation, iii) higher margins and returns at Chili's as a result of moderating commodities and wage inflation.

Downside risks are i) a significant slowdown in consumer spending could pressure EAT's topline growth, exacerbating the risk of company's high operating and financial leverage, ii) increased competitive intensity from casual dining peers, which would put downward pressure on Chili's average volumes and unit level returns.

#### Chipotle Mexican Grill (CMG)

Our \$3,000 price objective is based on earnings power. At the current unit growth rate, we think Chipotle should be able to reach its targeted 8000 store count in roughly 7 years. By then we'd expect AUVs to exceed \$4mm - under the assumption that comps increase in-line with cost inflation - and margins to be in line with prior peaks of 27%. Assuming a G&A of 5%, which is more similar to mature company operated systems, this system would generate \$7.9bb in EBITDA. At a 20x multiple, consistent with current valuation multiples on high growth companies, the implied EV would be \$173bb, or \$77bb discounted back to today. We then add the current net cash and project out 12 months to derive our price objective of \$3,000.

Downside risks are: 1) lower than expected consumer uptake of new product innovations or digital ordering capabilities, 2) higher than expected food or labor costs that Chipotle is unable to offset with increased pricing, and 3) macroeconomic pressures that slow consumer income growth or otherwise dampen consumption.

#### Cracker Barrel (CBRL)

We apply a 0.7x relative P/E multiple to our forward estimates 12 months from now (3Q25-2Q26, \$5.49) to arrive at a \$76 PO, that translates into an absolute PE of 13.9x. Relative to the market, CBRL's P/E multiple is below its 10-year historical average of 0.9x. We expect valuation to remain compressed as demand headwinds among CBRL's largest customer base (65+ and older, lower income) and broader discretionary spending pressures persist.

Upside risks: higher-than-expected same store sales growth from digital/off-premise sales initiatives, faster-than-expected recovery in post-pandemic travel and tourism demand, better-than-expected contributions from the Maple Street Biscuit Company acquisition.

Downside risks: higher-than-expected wage inflation, worse-than-expected margin contraction from elevated food costs, sluggish recovery in leisure travel demand.

#### **Darden Restaurants (DRI)**

Our 12-month \$193 price objective is based on a target relative P/E multiple (1.0x) on our forward estimates (\$10.25). Our target relative multiple (vs the S&P) is in-line with Darden's 10-year historical average multiple, and implies an 18.9x absolute P/E multiple. While investors remain cautious on restaurant spending, we believe fundamental outperformance by best-in-class operators like DRI will prove attractive.

Downside risks are 1) lower-than-expected customer acceptance of menu price increases, 2) inability to offset higher than expected food or labor costs with increased pricing, 3) macroeconomic pressures that slow consumer income growth, 4) slower-than-expected unit growth as a result of inflationary pressures (i.e., utilities costs) and supplychain constraints.

#### Domino's Pizza (DPZ)



We apply the current relative P/E multiple of 1.7x to our EPS estimates 12 months from now (F25E: \$18.79) to arrive at our \$550 PO, or PE of 29.2x. We view this multiple as appropriate given our expectation for unit growth acceleration and impacts from US traffic drivers.

Downside risks: Market share gains for other larger competitors in the pizza category that impedes Domino's growth, global economic or social issues could disrupt same store sales growth or affect expansion in international markets, and competitive activity in the pizza category remaining high.

#### **Dutch Bros (BROS)**

Our \$48 price objective denotes estimated fair value based on normalized earnings power for BROS. We estimate that at \$9.2 bb in sales, assuming stable RLMs and 8% G&A, BROS would generate \$1.5 bb in EBITDA. Applying a 14x multiple and discounting back equates to a \$48 fair value in one year. We believe a 14x multiple is justified by Dutch Bros' long growth runway and high returns, and we note it is comparable to other restaurants and retailers with similar growth profiles that have sustained elevated earnings multiples over time.

Risks to our price objective: Dutch Bros could face execution risks to sustain a mid-teens store growth rate which would impede the implied sales growth of our saturation analysis. Margins and returns could also be lower-than-expected if Dutch Bros faces greater margin pressures than anticipated.

#### First Watch (FWRG)

We believe FWRG should trade a premium consistent with its faster growth and higher returns. FWRG currently trades in line with its peer group of restaurants and retailers with similar above-market growth rates. We believe a valuation in line with other high growth peers is justified owing to FWRG's faster than average topline growth, extended growth runway, as the brand goes national, and higher incremental returns, with restaurant level ROIs of about 40% or 2x other full service restaurants. We apply a 14x multiple to our forward EBITDA estimates (4Q24-3Q25, \$125mm) to arrive at our \$28 PO. This target multiple is in line with high growth peers' average of 14x.

Downside risks: higher-than-expected cannibalization of existing restaurants due to new store openings, staffing challenges and/or higher-than-expected wage inflation, higher-than-expected occupancy costs as First Watch ramps-up new stores at a faster rate. Upside risks: higher-than-expected AUVs of new units, faster-than-expected SSS growth, lower labor and G&A costs.

#### Jack in the Box (JACK)

Our \$104 price objective is based on a 0.7x relative PE multiple (13.8x absolute) applied to our 12 month forward earnings estimates (2Q25-1Q26: \$7.56). This is a material discount to highly franchised peers, given historically slower growth and more capital-intensive ownership model.

Downside risks to our price objective are: 1) sales could soften due to economic or competitive pressures, 2) food and labor costs rise and margins come under renewed pressure, 3) execution risk around speed of service, menu and marketing initiatives which are critical to driving sales at Jack in the Box.

#### Krispy Kreme (DNUT)

We believe a premium valuation is justified owing to DNUT's robust double digit topline growth, extended growth runway, and higher incremental returns. We apply a 13x multiple (similar to high growth peers) to our forward estimate 12 months from now (F25: \$255mm) to arrive at our \$16 price objective.



Downside risks: potential industry headwinds from higher-than-expected wages, logistics, and commodity cost inflation, competition from other indulgence and foodservice businesses, and failure to achieve targeted unit growth due to higher than expected costs or other factors.

Upside risks: faster-than-expected growth in global access points, organic growth above the company's stated long-term growth targets, higher-than-expected share gains in the global indulgence and foodservice markets.

#### McDonald's (MCD)

Our 12-month \$341 price objective is based on a 25.1x P/E multiple on our forward estimates, in line with a relative P/E multiple of 1.3x reflecting limited opportunities for margin expansion due to the franchised model, despite continued topline strength. We apply the relative P/E multiple to our F25 estimates (of \$13.56) to arrive at our \$341 PO.

#### Risks to our price objective:

To the upside, McDonald's could sustain elevated comps for longer than expected based on company-specific initiatives or industry dynamics. Margins and returns could exceed expectations if McDonald's reduces the pace of investments or identifies unexpected savings opportunities. If investor risk tolerance shifts sharply lower, the relative attractiveness of McDonald's defensive positioning would increase.

To the downside, McDonald's comps could decelerate faster than we anticipate, from either a lack of traction in company initiatives or a deteriorating demand environment. Margins could compress more than expected if McDonald's fails to pass through inflation in food and labor costs.

#### Papa Johns International (PZZA)

Our \$90 PO is based on FQ25 EPS (\$3.50) and a 1.5x multiple relative to the S&P (25.7x absolute multiple), in line with its 10-year historical average.

Downside risks: slower-than-expected consumer growth, increased competition in response to slower consumer spending driving promotional intensity, higher-than-expected inflationary pressures, labor shortages.

#### Restaurant Brands International Inc. (QSR / YQSR)

We view QSR's 5-yr historical average multiple of 1.1x as appropriate as lagging sales trends and greater investment needs drive lower estimate revisions. We apply this multiple to our 12 months forward EPS estimate (F25) EPS to arrive at a price objective of \$78 (C\$105.83). Our 1.1x relative multiple (vs the S&P 500) translates to an absolute P/E multiple of 20.9x.

Upside risks: better-than-expected results on sales trends and market share gains as a result of investments in stores, technology, and marketing spend. Faster-than-expected turnaround in the Burger King brand. Faster-than-expected growth of the Tim Horton's brand.

Downside risks: Higher-than-expected G&A spending, continued lag in topline growth trends relative to competitors, slower-than-expected recovery in supply chain and/or labor constraints associated with COVID-19.

#### Starbucks (SBUX)

Starbucks should trade at 1.4x relative to the S&P 500. This translates to an absolute multiple of 25.3x. We apply this multiple to our 2Q25-1Q26 EPS of \$5.02 to arrive at our PO of \$127. This multiple is 1 st. deviation below its 5-year average. We believe it is justified as SBUX should trade within its historical range as it proves its ability to achieve consistent earnings growth.



Downside risks: Starbucks' comps could decelerate faster than anticipated either from a lack of traction in company initiatives or a deteriorating demand environment. Margins could compress more than expected if Starbucks fails to pass through inflation in labor costs.

#### Sweetgreen (SG)

Our \$18 PO is based on normalized earnings power. Assuming SG is able to reach its long-term target of 1000 stores in ten years, with 18% restaurant-level margin and 8% G&A, we arrive at \$274mm EBITDA. We apply a 19x terminal multiple (previously 16.5x) - consistent with mature growth restaurant peers - after adjusting for SG's domestic, company-operated status - to arrive at EV of \$5.2 bb, or \$1.5 bb discounted back to today at 13%.

Downside risks are i) slower SSSG as a result of lower discretionary spending, ii) inability to gain traction in new markets outside of the urban core, iii) failure to offset food and labor cost inflation through pricing and volume growth, iv) worse than expected development challenges (construction costs, permitting) which could limit unit growth.

#### Texas Roadhouse (TXRH)

We view TXRH's 5-year average of 1.3x (excluding COVID spike) as the appropriate target multiple given TXRH's best-in-class traffic trends and topline growth and our expectations for further operating leverage. Our PO of \$160 is based on a relative multiple of 1.3x (vs the S&P 500 index, or a 24.4x absolute multiple) on our 12-month forward EPS (F25, \$6.54).

Downside risks are: i) lower-than-expected retail beef prices and as a result, decreased value proposition for steakhouses, ii) traffic growth deceleration in response to menu price increases, iii) greater than expected slowdown in consumer spending / macroeconomic risk pressuring discretionary income, iv) slower than expected unit growth at Texas Roadhouse.

#### The Cheesecake Factory (CAKE)

Relative to the S&P 500, CAKE is trading at 0.5x P/E, 1 standard deviation below its 5-year average (excluding the COVID-spike). With inflation moderating from F22 levels and consumer spending slowing, we believe it will be difficult for CAKE to raise prices and grow SSS meaningfully above its long-term historical average (of 1%). Our \$38 PO is derived by applying a 0.6x relative multiple (11.0x absolute) to our EPS 12 months from now. We validate our PO against a DCF.

Downside risks i) higher than expected wage inflation in California (18% of Cheesecake Factory units), ii) traffic share losses due to consumer trade down, iii) slower than expected demand from higher income cohorts (Cheesecake Factory and North Italia skew higher income). Upside risks i) higher than expected SSS growth form menu price increases, ii) more resilient than expected spending among higher income cohorts, iii) higher than expected brand resonance in new markets, translating to higher volumes for new units.

#### Wendy's Co (WEN)

Relative to the S&P 500, Wendy's valuation is currently trading below its 5-year average (1.3x). Despite efforts to bolster the new unit pipeline, we see risks to the unit growth target, We apply a 0.9x relative multiple (17.9x absolute multiple) to our EPS 12 months from now (F25: \$1.15) to arrive at our \$20 PO.

Upside risks: higher than expected incremental tailwinds / higher sales mix from breakfast or other menu innovation, faster than expected international unit growth, greater than expected market share gains as a result of strategic initiatives or



competitive advantages.

Downside risks: comps could disappoint if consumers resume pre-COVID behavior faster than expected, Wendy's could miss international unit growth targets if licensees fail to open new units at the expected pace.

#### Wingstop Inc (WING)

We set our \$376 PO based on steady state earnings power. We assume WING grows its store base at 16% to reach 10,238 restaurants. Assuming RLMs of 38% and G&A at 1.8% of system sales we arrive at EBITDA of \$1.4bb. Applying a 21x terminal multiple inline with mature growth franchised restaurants and discounting back we arrive at our \$376 PO. We also believe a 21x multiple is justified by WING's success in international markets and extended growth runway. We expect WING to accelerate international unit growth over time as the brand continues to resonate and incentivize new unit openings.

Risks to our PO: potential industry headwinds from wage inflation, and food cost volatility, inability to fully offset downward pressure on volumes and margins from new store openings, and execution risks as the company looks to sustain a 10%+ unit growth rate.

#### Yum Brands Inc (YUM)

Our \$151 PO is based on YUM trading at a 1.3x relative P/E multiple and works out to a PE of 25.0x on F25 EPS. Yum's returns on assets have been stable relative to the market. We believe the historical range remains relevant and supports our estimates.

Upside risks: faster than expected recovery from COVID restrictions in China, better than expected unit growth in China.

Downside risks: weak China comp and unit growth due to slower recovery, ongoing competitive challenges in China, continued soft sales trends in the KFC and Pizza Hut brands.

### **Analyst Certification**

We, Sara Senatore and Katherine Griffin, hereby certify that the views each of us has expressed in this research report accurately reflect each of our respective personal views about the subject securities and issuers. We also certify that no part of our respective compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.



#### **US - Restaurants Coverage Cluster**

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Chipotle Mexican Grill	CMG	CMG US	Sara Senatore
	Darden Restaurants	DRI	DRI US	Sara Senatore
	Domino's Pizza	DPZ	DPZ US	Sara Senatore
	Dutch Bros	BROS	BROS US	Sara Senatore
	First Watch	FWRG	FWRG US	Sara Senatore
	Jack in the Box	JACK	JACK US	Sara Senatore
	Krispy Kreme	DNUT	DNUT US	Sara Senatore
	Papa Johns International	PZZA	PZZA US	Sara Senatore
	Starbucks	SBUX	SBUX US	Sara Senatore
	Sweetgreen	SG	SG US	Katherine Griffin
	Texas Roadhouse	TXRH	TXRH US	Sara Senatore
	Wingstop Inc	WING	WING US	Sara Senatore
NEUTRAL				
	Bloomin Brands	BLMN	BLMN US	Sara Senatore
	McDonald's	MCD	MCD US	Sara Senatore
	Shake Shack	SHAK	SHAK.US	Sara Senatore
	The Cheesecake Factory	CAKE	CAKE US	Katherine Griffin
	Yum Brands Inc	YUM	YUM US	Sara Senatore
UNDERPERFORM				
	Brinker International	EAT	EAT US	Katherine Griffin
	Cracker Barrel	CBRL	CBRL US	Katherine Griffin
	Restaurant Brands International	YQSR	QSR CN	Sara Senatore
	Restaurant Brands International Inc.	QSR	QSR US	Sara Senatore
	Wendy's Co	WEN	WEN US	Sara Senatore
RSTR				
	Portillo's Inc.	PTLO	PTLO US	Sara Senatore

## **Disclosures**

### **Important Disclosures**

Equity Investment Rating Distribution: Restaurants Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	21	58.33%	Buy	10	47.62%
Hold	10	27.78%	Hold	3	30.00%
Sell	5	13.89%	Sell	4	80.00%

#### Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.



FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

# Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R2</sup>

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: Bloomin Brands, Brinker Intl, Cheesecake Factory, Chipotle Mex Grill, Cracker Barrel, Darden Restaurants, Domino's Pizza, Dutch Bros, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Papa Johns Int, Restaurant Brands In, Starbucks, Sweetgreen, Texas Roadhouse, Wendy's Co, Wingstop Inc, Yum Brands Inc.

BofAS or an affiliate was a manager of a public offering of securities of this issuer within the last 12 months: Brinker Intl., Darden Restaurants, Dutch Bros, McDonald's, Restaurant Brands In, Starburks

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: Bloomin' Brands, Brinker Intl., Cracker Barrel, Darden Restaurants, Dutch Bros, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Papa John's Intl, Restaurant Brands In, Starbucks, Wendy's Co, Yum Brands Inc.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: Bloomin' Brands, Brinker Intl., Cheesecake Factory, Chipotle Mex Grill, Cracker Barrel, Darden Restaurants, Domino's Pizza, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Papa John's Intl, Restaurant Brands In, Starbucks, Wendy's Co, Yum Brands Inc.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: Bloomin' Brands, Brinker Intl., Cheesecake Factory, Chipotle Mex Grill, Cracker Barrel, Darden Restaurants, Domino's Pizza, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Papa John's Intl, Restaurant Brands In, Starbucks, Wendy's Co, Wingstop Inc, Yum Brands Inc

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: Bloomin' Brands, Brinker Intl., Darden Restaurants, Dutch Bros, First Watch, Krispy Kreme, McDonald's, Papa John's Intl, Restaurant Brands In, Starbucks.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: Bloomin' Brands, Brinker Intl., Cracker Barrel, Darden Restaurants, Dutch Bros, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Restaurant Brands In, Starbucks, Wendy's Co, Yum Brands Inc. BofAS together with its affiliates beneficially owns one percent or more of the common stock of this issuer. If this report was issued on or after the 9th day of the month, it reflects the ownership position on the last day of the previous month. Reports issued before the 9th day of a month reflect the ownership position at the end of the second month preceding the date of the report: Brinker Intl., Cracker Barrel, Darden Restaurants, Domino's Pizza, Dutch Bros, Jack in the Box, McDonald's, Papa John's Intl, Starbucks, Sweetgreen, Texas Roadhouse, Yum Brands Inc. BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: Bloomin Brands, Brinker Intl, Cheesecake Factory, Chipotle Mex Grill, Cracker Barrel, Darden Restaurants, Domino's Pizza, Dutch Bros, First Watch, Jack in the Box, Krispy Kreme, McDonald's, Papa Johns Int, Restaurant Brands In, Starbucks, Sweetgreen, Texas Roadhouse, Wendy's Co, Wingstop Inc, Yum Brands Inc.

The issuer is or was, within the last 12 months, a securities business client (non-investment banking) of BofAS and/or one or more of its affiliates: Bloomin' Brands, Cheesecake Factory, Chipotle Mex Grill, Cracker Barrel, Darden Restaurants, Domino's Pizza, First Watch, Krispy Kreme, McDonald's, Papa John's Intl, Restaurant Brands In, Starbucks, Yum Brands Inc.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

### **Other Important Disclosures**

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments. Refer to BofA Global Research policies relating to conflicts of interest.

"BofA Securities" includes BofA Securities, Inc. ("BofAS") and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BofA Securities" is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842



R2 Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at <a href="https://www.bofaml.com/BofASEdisclaimer">www.bofaml.com/BofASEdisclaimer</a>; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore): Merrill Lynch (Singapore): Merrill Lynch (Singapore): Merrill Lynch (Mexico): Merrill Lynch Mexico): Merrill Lynch (Singapore): Merrill Lynch Mexico): Merrill Lynch (Singapore): Merrill Lynch (

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securit

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

#### General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

#### BofA ESGMeter Methodology:

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next



three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at <a href="BofA ESGMeter methodology">BofA ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of the BofA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

#### Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities one tidsclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public informatio

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this

