

Additional Appendix (1): Individual Firm Descriptions

Company Name	GVKEY	Sector	(Basis) Mean	(Basis) Median	(Lambda) Mean
AMERICAN AIRLINES GROUP INC	1045	Transportation	3398.94	2141.61	8.9%
ABBOTT LABORATORIES	1078	Health Care	7.43	-0.58	10.1%
ADVANCED MICRO DEVICES	1161	Technology	735.25	620.43	4.4%
AIR PRODUCTS & CHEMICALS INC	1209	Materials	-104.73	-44.20	15.5%
HONEYWELL INTERNATIONAL INC	1300	Capital Goods	-17.62	-22.65	11.4%
ALCOA INC	1356	Materials	216.93	192.46	8.5%
HESS CORP	1380	Energy	109.78	97.60	3.9%
BEAM INC	1408	Consumer Staples	5.16	82.78	12.7%
AMERICAN ELECTRIC POWER CO	1440	Utilities	-67.64	8.94	12.9%
AMERICAN EXPRESS CO	1447	Financials	111.69	98.53	6.1%
AMERICAN GREETINGS -CL A	1468	Consumer Cyclical	436.05	405.61	3.8%
AMGEN INC	1602	Health Care	-566.93	-18.55	14.8%
NABORS INDUSTRIES LTD	1661	Energy	235.63	160.11	7.6%
APPLIED MATERIALS INC	1704	Technology	-9.24	0.02	12.7%
ARROW ELECTRONICS INC	1773	Technology	50.64	45.28	7.7%
ASHLAND GLOBAL HOLDINGS INC	1794	Energy	204.62	184.91	3.9%
AVERY DENNISON CORP	1913	Capital Goods	21.21	37.75	9.2%
AVNET INC	1919	Technology	113.94	98.35	7.6%
AVON PRODUCTS	1920	Consumer Staples	278.85	186.40	10.4%
BAKER HUGHES INC	1976	Energy	48.99	37.15	7.7%
BALL CORP	1988	Capital Goods	129.35	152.52	5.9%
BANK OF NEW YORK MELLON CORP	2019	Financials	-121.44	-118.11	19.4%
BRE PROPERTIES INC	2025	Financials	92.84	79.10	9.0%
BARRICK GOLD CORP	2055	Materials	-8.20	19.21	9.5%
BAUSCH & LOMB HLDGS -REDH	2085	Health Care	293.52	303.09	-1.9%
VERIZON COMMUNICATIONS INC	2136	Communication Services	17.90	21.09	10.0%
BELO CORP -SER A COM	2150	Consumer Cyclical	315.89	301.14	3.8%
BEMIS CO INC	2154	Materials	61.27	60.28	8.4%
BERKSHIRE HATHAWAY	2176	Financials	38.50	48.67	16.2%
BEST BUY CO INC	2184	Consumer Cyclical	206.77	196.68	10.6%
BLACK & DECKER CORP	2255	Consumer Cyclical	101.91	119.36	9.1%
BOEING CO	2285	Capital Goods	27.98	13.08	10.5%
BRIGGS & STRATTON	2393	Capital Goods	169.87	171.43	5.6%
BRISTOL-MYERS SQUIBB CO	2403	Health Care	-71.32	-16.47	12.1%
BRUNSWICK CORP	2444	Consumer Cyclical	1110.74	1047.61	-1.1%
BURLINGTON NORTHERN SANTA FE	2490	Transportation	12.05	10.98	8.3%
UNISYS CORP	2504	Technology	558.88	584.00	1.3%
CNA FINANCIAL CORP	2558	Financials	116.36	52.26	7.1%
CSX CORP	2574	Transportation	11.10	5.98	10.0%
CABOT CORP	2593	Materials	27.47	49.72	12.5%
CAMPBELL SOUP CO	2663	Consumer Staples	-23.88	-17.61	12.1%
CONSTELLATION BRANDS	2710	Consumer Staples	190.69	210.60	5.9%
CARDINAL HEALTH INC	2751	Consumer Staples	-10.55	-2.85	10.7%
PROGRESS ENERGY INC	2783	Utilities	24.92	27.98	8.5%
CARPENTER TECHNOLOGY CORP	2787	Materials	110.47	116.97	9.6%
CATERPILLAR INC	2817	Capital Goods	37.49	43.50	8.5%
CENTEX CORP	2845	Consumer Cyclical	324.70	356.04	8.8%
CENTURYLINK INC	2884	Communication Services	171.37	149.95	7.8%

Continuation of Individual Firm Descriptions Table

JPMORGAN CHASE & CO	2968	Financials	50.28	42.73	10.2%
CHEVRON CORP	2991	Energy	-182.66	-111.59	17.5%
CHUBB CORP	3024	Financials	19.22	18.00	8.9%
CINCINNATI BELL INC	3036	Communication Services	292.80	292.50	2.3%
CLOROX CO/DE	3121	Consumer Staples	19.27	18.48	10.5%
COCA-COLA CO	3144	Consumer Staples	-69.43	-47.78	13.7%
COMCAST CORP	3226	Consumer Staples	27.19	24.21	9.3%
CITIGROUP INC	3243	Financials	173.51	145.87	7.2%
COMMERCIAL METALS	3246	Materials	297.59	287.53	6.5%
CA INC	3310	Technology	33.17	35.86	10.6%
DXC TECHNOLOGY CO	3336	Technology	106.79	84.85	8.3%
CONAGRA BRANDS INC	3362	Consumer Staples	29.17	34.20	8.5%
CONSOLIDATED EDISON INC	3413	Utilities	199.79	205.92	4.8%
CON-WAY INC	3416	Transportation	93.35	69.03	5.4%
CMS ENERGY CORP	3439	Utilities	52.36	57.94	6.5%
COOPER TIRE & RUBBER CO	3502	Consumer Cyclical	-63.00	-58.30	15.5%
COOPER COS INC (THE)	3504	Health Care	36.06	42.54	8.3%
MOLSON COORS BEVERAGE CO	3505	Consumer Staples	20.87	48.16	12.7%
CORNING INC	3532	Technology	-6.99	5.35	10.9%
CRANE CO	3580	Capital Goods	-6.00	-3.72	11.2%
DANAHER CORP	3735	Capital Goods	20.69	-6.07	8.3%
TARGET CORP	3813	Consumer Cyclical	290.81	286.63	7.8%
DEERE & CO	3835	Capital Goods	41.36	74.21	9.3%
DELUXE CORP	3863	Consumer Staples	-6.74	-9.92	12.4%
DTE ENERGY CO	3897	Utilities	7.15	9.18	9.0%
DILLARDS INC -CL A	3964	Consumer Cyclical	423.23	393.02	1.6%
DISNEY (WALT) CO	3980	Consumer Staples	12.76	11.78	10.3%
DOMINION ENERGY INC	4029	Utilities	55.06	51.81	9.5%
DONNELLEY (R R) & SONS CO	4040	Consumer Staples	-7.36	2.59	8.8%
DOVER CORP	4058	Technology	-3.78	-0.70	11.0%
DUPONT DE NEMOURS INC	4060	Materials	61.07	66.17	9.7%
OMNICOM GROUP	4066	Consumer Cyclical	373.66	285.39	3.6%
DU PONT (E I) DE NEMOURS	4087	Materials	-8.08	-3.41	11.9%
PERKINELMER INC	4145	Technology	32.65	-16.63	9.6%
EL PASO CORP	4242	Utilities	121.83	150.74	9.6%
EMERSON ELECTRIC CO	4321	Capital Goods	-171.73	-195.77	18.0%
WEATHERFORD INTL PLC	4367	Energy	43.56	41.45	10.2%
EQUIFAX INC	4423	Technology	47.84	39.27	9.4%
EXXON MOBIL CORP	4503	Energy	1.75	45.37	8.7%
FMC CORP	4510	Materials	136.94	87.75	9.7%
NEXTERA ENERGY INC	4517	Utilities	606.23	576.34	4.8%
FEDEX CORP	4598	Transportation	-21.33	-11.56	13.8%
FEDERAL REALTY INVESTMENT TR	4605	Financials	250.22	231.25	11.9%
FERRO CORP	4622	Materials	637.31	604.73	3.1%
FLUOR CORP	4818	Capital Goods	81.93	96.05	10.7%
FORD MOTOR CO	4839	Consumer Cyclical	208.18	235.07	7.8%
FOREST OIL CORP -OLD	4844	Energy	-87.03	-31.05	13.1%
GATX CORP	4941	Transportation	-25.45	-4.05	11.5%
GAP INC	4990	Consumer Cyclical	396.40	386.59	4.7%
GENERAL DYNAMICS CORP	5046	Capital Goods	69.57	69.94	9.2%
GENERAL MILLS INC	5071	Consumer Staples	26.17	25.43	4.6%
SPX CORP	5087	Capital Goods	368.20	334.01	-0.3%
GLATFELTER	5179	Materials	6.70	3.16	9.4%
GOODRICH CORP	5229	Capital Goods	41.39	24.14	10.4%
GOODYEAR TIRE & RUBBER CO	5234	Consumer Cyclical	-104.78	-154.54	16.2%
HALLIBURTON CO	5439	Energy	-11.68	-2.89	11.5%
HASBRO INC	5518	Consumer Cyclical	18.30	11.03	11.0%
KRAFT HEINZ CO	5568	Consumer Staples	235.46	237.49	2.5%
HERSHEY CO	5597	Consumer Staples	96.94	70.04	8.2%

Continuation of Individual Firm Descriptions Table

HP INC	5606	Technology	149.79	94.81	5.4%
PINNACLE ENTERTAINMENT INC	5671	Consumer Cyclical	77.20	76.58	6.8%
HOME DEPOT INC	5680	Consumer Cyclical	26.33	28.10	11.8%
STARWOOD HOTELS&RESORTS WRLD	5723	Consumer Cyclical	-16.40	-4.90	10.3%
CENTERPOINT ENERGY INC	5742	Utilities	-31.96	-9.91	11.7%
RAYONIER INC	5862	Materials	491.92	612.74	7.5%
ILLINOIS TOOL WORKS	5878	Capital Goods	143.39	126.85	3.8%
INTL BUSINESS MACHINES CORP	6066	Technology	110.21	77.26	6.0%
NAVISTAR INTERNATIONAL CORP	6081	Capital Goods	295.70	185.19	5.6%
INTL GAME TECHNOLOGY	6097	Consumer Cyclical	-61.23	-69.73	12.9%
INTL PAPER CO	6104	Materials	66.35	27.05	9.9%
INTERPUBLIC GROUP OF COS	6136	Consumer Cyclical	1203.71	1260.73	4.9%
JOHNSON & JOHNSON	6266	Health Care	77.37	92.09	11.8%
JOHNSON CONTROLS INTL PLC	6268	Capital Goods	-2.56	0.34	12.0%
SEARS HOLDINGS CORP	6307	Consumer Cyclical	-6.45	2.38	9.7%
KINDER MORGAN INC	6310	Utilities	22.26	22.03	9.7%
KELLOGG CO	6375	Consumer Staples	3.03	40.11	12.1%
KIMBERLY-CLARK CORP	6435	Consumer Staples	304.27	256.70	7.3%
KROGER CO	6502	Consumer Staples	-44.91	-29.99	12.6%
LEGG MASON INC	6653	Financials	-30.70	-37.95	13.5%
LENNAR CORP	6669	Consumer Cyclical	44.31	45.52	9.5%
LILLY (ELI) & CO	6730	Health Care	261.27	221.32	3.2%
LOCKHEED MARTIN CORP	6774	Capital Goods	176.43	177.71	4.0%
LOEWS CORP	6781	Financials	-1.38	6.84	11.1%
RANGE RESOURCES CORP	6788	Energy	80.48	78.40	8.3%
LOUISIANA-PACIFIC CORP	6821	Materials	137.50	139.11	8.1%
LOWE'S COS INC	6829	Consumer Cyclical	101.04	66.47	10.1%
LUBRIZOL CORP	6830	Materials	-8.41	9.42	10.1%
MDC HOLDINGS INC	6865	Consumer Cyclical	164.95	147.49	7.7%
MARATHON OIL CORP	7017	Energy	-12.08	38.61	14.6%
MARSH & MCLENNAN COS	7065	Financials	-101.12	-51.44	14.6%
MASCO CORP	7085	Consumer Cyclical	35.24	69.94	9.7%
MATTEL INC	7116	Consumer Cyclical	-61.00	-18.45	13.1%
MCKESSON CORP	7171	Consumer Staples	7.20	6.82	9.5%
MEDCO HEALTH SOLUTIONS INC	7186	Consumer Cyclical	-139.23	-65.81	14.7%
MEDTRONIC PLC	7228	Health Care	202.69	194.18	13.0%
CVS HEALTH CORP	7241	Consumer Staples	64.00	32.04	11.7%
MERCK & CO	7257	Health Care	-274.60	-261.34	19.5%
MICRON TECHNOLOGY INC	7343	Technology	55.45	55.80	10.1%
ENTERGY CORP	7366	Utilities	125.53	152.94	14.4%
3M CO	7435	Capital Goods	120.54	156.06	15.1%
MOTOROLA SOLUTIONS INC	7585	Technology	106.23	91.21	9.5%
MURPHY OIL CORP	7620	Energy	555.86	530.00	2.1%
MYLAN NV	7637	Health Care	257.36	240.30	8.3%
BANK OF AMERICA CORP	7647	Financials	43.39	30.11	8.8%
TENET HEALTHCARE CORP	7750	Health Care	-40.77	-24.10	15.1%
NEW YORK TIMES CO -CL A	7866	Consumer Cyclical	162.48	117.56	7.1%
NEWELL BRANDS INC	7875	Consumer Staples	58.83	59.37	9.4%
NEWMONT CORP	7881	Materials	-9.55	-4.42	9.9%
NOBLE ENERGY INC	7912	Energy	4.69	0.53	9.7%
NORDSTROM INC	7922	Consumer Cyclical	-26.35	-15.81	12.6%
NORFOLK SOUTHERN CORP	7923	Transportation	24.06	26.07	2.3%
XCEL ENERGY INC	7977	Utilities	37.99	33.81	10.3%
NORTHROP GRUMMAN CORP	7985	Capital Goods	45.95	38.71	9.7%
TEREX CORP	7991	Capital Goods	-36.11	-3.45	13.5%
WELLS FARGO & CO	8007	Financials	32.43	-18.21	15.8%
NUCOR CORP	8030	Materials	152.97	142.68	2.7%
OCCIDENTAL PETROLEUM CORP	8068	Energy	301.92	325.25	5.4%
FIRSTENERGY CORP	8099	Utilities	137.28	64.27	9.9%

Continuation of Individual Firm Descriptions Table

OLIN CORP	8123	Materials	6839.58	9632.66	2.1%
OMNICARE INC	8133	Health Care	132.90	109.29	4.2%
ONEOK INC	8151	Utilities	515.94	377.94	5.4%
OVERSEAS SHIPHOLDING GROUP	8210	Transportation	-16.46	-27.63	11.8%
OWENS CORNING	8214	Consumer Cyclical	3.25	54.14	13.8%
O-I GLASS INC	8215	Capital Goods	12.65	28.15	7.7%
PHH CORP	8240	Financials	575.42	496.63	5.3%
PPG INDUSTRIES INC	8247	Materials	532.02	609.22	3.1%
PG&E CORP	8264	Utilities	-37.47	-26.26	13.4%
SEMPRA ENERGY	8272	Utilities	-14.87	-12.34	11.1%
PARKER DRILLING CO	8357	Energy	17.19	56.87	12.4%
PENNEY (J C) CO	8446	Consumer Cyclical	37.71	40.04	5.7%
PEPSICO INC	8479	Consumer Staples	1.52	-4.96	10.5%
PFIZER INC	8530	Health Care	292.71	292.27	9.2%
EXELON CORP	8539	Utilities	117.51	66.22	10.8%
ALTRIA GROUP INC	8543	Consumer Staples	28.65	48.64	10.8%
CONOCOPHILLIPS	8549	Energy	-47.98	-13.25	12.1%
PVH CORP	8551	Consumer Cyclical	66.09	60.94	7.4%
PITNEY BOWES INC	8606	Capital Goods	-86.30	-55.62	14.2%
PEPCO HOLDINGS INC	8694	Utilities	398.49	411.89	9.2%
PROCTER & GAMBLE CO	8762	Consumer Staples	583.82	559.48	1.5%
RPM INTERNATIONAL INC	8902	Materials	214.94	214.09	7.3%
RAYTHEON CO	8972	Technology	28.95	18.40	3.0%
AUTONATION INC	9063	Consumer Cyclical	107.05	44.15	8.9%
RITE AID CORP	9155	Consumer Staples	-6.38	-11.39	14.5%
RYLAND GROUP INC	9302	Consumer Cyclical	274.31	276.77	3.4%
SAFECO CORP	9351	Financials	141.43	142.75	5.6%
SAFEWAY INC	9359	Consumer Staples	-185.48	-218.19	18.8%
HILLSHIRE BRANDS CO	9411	Consumer Staples	24.17	23.19	3.2%
SEALED AIR CORP	9555	Capital Goods	508.49	392.55	3.3%
SERVICE CORP INTERNATIONAL	9611	Consumer Cyclical	56.34	60.53	9.4%
SHERWIN-WILLIAMS CO	9667	Consumer Cyclical	38.15	47.97	11.6%
SMITH INTERNATIONAL INC	9772	Energy	5643.07	6256.68	13.3%
SMITHFIELD FOODS INC	9774	Consumer Staples	-102.81	-116.94	17.8%
SNAP-ON INC	9778	Consumer Cyclical	94.00	98.36	10.8%
SONOCO PRODUCTS CO	9815	Materials	19.10	27.13	11.5%
EDISON INTERNATIONAL	9846	Utilities	517.50	452.66	4.3%
SOUTHERN CO	9850	Utilities	-19.29	-7.89	13.5%
SOUTHWEST AIRLINES	9882	Transportation	206.32	196.67	8.4%
AT&T INC	9899	Communication Services	-28.27	-25.73	10.4%
CALATLANTIC GROUP INC	10002	Consumer Cyclical	553.21	535.97	4.3%
STANLEY BLACK & DECKER INC	10016	Consumer Cyclical	-17.89	-17.44	13.2%
SUNOCO INC	10156	Energy	89.80	67.20	6.2%
SUNTRUST BANKS INC	10187	Financials	5125.55	3791.33	5.6%
SUPERVALU INC	10190	Consumer Staples	166.52	166.10	5.6%
SYSCO CORP	10247	Consumer Staples	134.37	139.28	5.6%
TECO ENERGY INC	10277	Utilities	269.92	272.45	0.8%
RS LEGACY CORP	10332	Consumer Cyclical	248.87	234.14	5.6%
ALLEGHENY TECHNOLOGIES INC	10405	Materials	97.47	78.61	8.1%
TEMPLE-INLAND INC	10426	Materials	-30.77	3.33	13.6%
TENNECO INC	10443	Consumer Cyclical	3496.24	2844.17	-2.5%
ANDEAVOR	10466	Energy	213.32	248.26	4.3%
TEXTRON INC	10519	Capital Goods	95.86	118.33	10.1%
THERMO FISHER SCIENTIFIC INC	10530	Capital Goods	525.50	483.96	4.5%
SIX FLAGS ENTERTAINMENT CORP	10567	Consumer Cyclical	-5.17	-7.18	9.7%
GLOBE LIFE INC	10614	Financials	438.10	435.41	12.4%
TYSON FOODS INC -CL A	10793	Consumer Staples	-22.00	-9.75	12.2%
USG CORP	10816	Consumer Cyclical	4.82	-0.29	9.9%
UNION PACIFIC CORP	10867	Transportation	566.24	478.82	5.9%

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CHIQUITA BRANDS INTL INC	10884	Consumer Staples	86.81	86.01	8.8%
UNITED PARCEL SERVICE INC	10920	Transportation	195.10	181.47	4.9%
RAYTHEON TECHNOLOGIES CORP	10983	Capital Goods	99.36	88.22	-7.8%
SPRINT CORP	10984	Communication Services	-2.40	2.38	10.8%
UNIVERSAL CORP/VA	11017	Materials	15.49	47.08	13.2%
UNIVERSAL HEALTH SVCS INC	11032	Health Care	-27.58	-22.33	12.3%
AQUILA INC	11056	Utilities	-27.17	-15.56	13.3%
VF CORP	11060	Consumer Cyclical	112.48	76.07	10.3%
VORNADO REALTY TRUST	11220	Financials	6.66	4.89	11.8%
WALMART INC	11259	Consumer Cyclical	66.00	75.09	4.1%
WALGREENS BOOTS ALLIANCE INC	11264	Consumer Staples	68.95	59.30	8.0%
WASHINGTON REIT	11301	Financials	75.22	133.85	10.4%
WEINGARTEN REALTY INVST	11340	Financials	-12.84	2.53	14.0%
MEADWESTVACO CORP	11446	Materials	128.37	125.90	6.7%
WEYERHAEUSER CO	11456	Materials	150.17	126.34	7.4%
WHIRLPOOL CORP	11465	Consumer Cyclical	8.49	9.20	8.4%
WILLIAMS COS INC	11506	Utilities	-99.45	-95.85	16.4%
ALLIANT ENERGY CORP	11554	Utilities	-20.13	-18.72	12.0%
WORTHINGTON INDUSTRIES	11600	Materials	345.42	340.08	7.2%
XEROX HOLDINGS CORP	11636	Technology	57.13	55.24	10.4%
TJX COS INC (THE)	11672	Consumer Cyclical	407.12	399.17	2.8%
MICROSOFT CORP	12141	Technology	342.15	335.94	1.1%
ORACLE CORP	12142	Technology	393.09	350.72	4.9%
HEALTH MANAGEMENT ASSOC	12338	Health Care	142.57	99.75	6.8%
NVR INC	12459	Consumer Cyclical	-61.38	-26.11	12.6%
ALTICE USA INC	12485	Consumer Staples	248.94	240.89	8.3%
ENCOMPASS HEALTH CORP	12589	Health Care	176.17	125.01	7.5%
KB HOME	12689	Consumer Cyclical	148.56	90.39	9.2%
UNUM GROUP	12726	Financials	1076.31	1000.02	5.6%
COCA-COLA EUROPEAN PARTNERS	12756	Consumer Staples	548.45	523.97	0.7%
JOY GLOBAL INC	13003	Capital Goods	326.02	157.36	8.1%
NATIONWIDE HEALTH PPTYS INC	13124	Financials	126.92	129.98	9.2%
HEALTHPEAK PROPERTIES INC	13125	Financials	1105.74	767.41	-7.6%
SAKS INC	13380	Consumer Cyclical	21.28	42.10	8.9%
LEVEL 3 COMMUNICATIONS INC	13440	Communication Services	106.41	107.99	6.7%
DUKE REALTY CORP	13510	Financials	858.67	988.65	4.5%
BUCKEYE PARTNERS LP	13526	Energy	34.02	31.35	9.1%
MBIA INC	13561	Financials	93.63	44.45	12.3%
VIACOMCBS INC	13714	Consumer Staples	-43.33	-50.71	10.5%
PIONEER NATURAL RESOURCES CO	14359	Energy	821.91	507.24	6.5%
MGM RESORTS INTERNATIONAL	14418	Consumer Cyclical	331.20	264.11	6.3%
WASTE MANAGEMENT INC	14477	Capital Goods	135.60	140.33	9.0%
DELL TECHNOLOGIES INC	14489	Technology	47.76	45.48	11.9%
FREEMPORT-MCMORAN INC	14590	Materials	18.88	34.56	11.7%
ODP CORP	14624	Consumer Cyclical	61.31	64.71	7.2%
MERITAGE HOMES CORP	14790	Consumer Cyclical	1080.07	665.27	8.5%
BERKLEY (W R) CORP	14822	Financials	61.88	73.53	7.5%
DEVON ENERGY CORP	14934	Energy	27.25	26.19	11.7%
LABORATORY CP OF AMER HLDGS	14960	Health Care	90.61	77.28	6.4%
BECKMAN COULTER INC	15106	Health Care	389.83	332.33	1.6%
ISTAR INC	15142	Financials	17.36	22.64	11.3%
VALERO ENERGY CORP	15247	Energy	46.20	45.31	0.5%
WESTPAC BANKING	15362	Financials	256.21	92.74	11.0%
STAPLES INC	15521	Consumer Cyclical	-23.15	-22.42	12.4%
EOG RESOURCES INC	16478	Energy	164.44	89.90	8.1%
FISHER COMMUNICATIONS INC	18364	Consumer Staples	190.52	185.73	7.0%
RIO TINTO GROUP	19565	Materials	20.80	32.23	9.1%
CISCO SYSTEMS INC	20779	Technology	241.14	235.82	7.1%
TEPPCO PARTNERS -LP	20909	Capital Goods	560.03	496.12	7.0%

Continuation of Individual Firm Descriptions Table

HCA HEALTHCARE INC	22260	Health Care	368.35	335.93	3.4%
AUTOZONE INC	23809	Consumer Cyclical	77.26	80.80	6.6%
COVENTRY HEALTH CARE INC	23877	Health Care	240.21	153.25	7.6%
UNITED STATES STEEL CORP	23978	Materials	142.59	105.93	8.6%
AES CORP (THE)	24216	Utilities	20.30	26.34	10.5%
HORACE MANN EDUCATORS CORP	24678	Financials	172.25	181.54	7.2%
KIMCO REALTY CORP	24731	Financials	-35.50	-4.28	11.8%
ENBRIDGE ENERGY PRTNRS -LP	24810	Energy	126.88	130.99	7.6%
TIME WARNER INC	25056	Consumer Staples	47.44	49.28	9.6%
MOHAWK INDUSTRIES INC	25119	Consumer Cyclical	137.40	139.13	9.5%
LINDE PLC	25124	Materials	410.59	402.18	5.3%
AGCO CORP	25180	Capital Goods	179.18	140.69	10.8%
BOSTON SCIENTIFIC CORP	25279	Health Care	10.84	14.19	13.5%
KOHL'S CORP	25283	Consumer Cyclical	1801.37	1802.03	5.7%
ISLE OF CAPRI CASINOS INC	25314	Consumer Cyclical	97.17	87.85	8.5%
D R HORTON INC	25340	Consumer Cyclical	708.05	410.74	13.0%
EXPRESS SCRIPTS HOLDING CO	25356	Health Care	229.36	157.88	9.6%
DYNEGY INC	25495	Utilities	665.75	430.31	4.8%
KINDER MORGAN ENERGY -LP	25627	Utilities	29.64	24.91	8.4%
RADIAN GROUP INC	25895	Financials	722.28	615.48	3.5%
SITE CENTERS CORP	27780	Financials	173.57	177.50	3.8%
CHESAPEAKE ENERGY CORP	27786	Energy	263.20	234.91	5.1%
INTUIT INC	27928	Technology	78.78	55.29	9.3%
SANMINA CORP	28139	Capital Goods	32.97	11.65	8.9%
AVIENT CORP	28194	Materials	270.90	123.88	8.7%
JABIL INC	28195	Capital Goods	222.51	222.97	10.3%
XTO ENERGY INC	28256	Energy	127.61	77.15	9.8%
ASTRAZENECA PLC	28272	Health Care	37.62	28.54	11.2%
HEALTHCARE REALTY TRUST INC	28322	Financials	639.09	431.85	2.1%
TRANSOCEAN LTD	28338	Energy	-149.20	-167.88	15.2%
CAMDEN PROPERTY TRUST	28629	Financials	174.34	143.71	5.8%
MARRIOTT INTL INC	28930	Consumer Cyclical	17.54	29.73	11.5%
BOYD GAMING CORP	29011	Consumer Cyclical	111.34	106.09	6.3%
COSTCO WHOLESALE CORP	29028	Consumer Cyclical	123.08	123.52	6.3%
NEWFIELD EXPLORATION CO	29173	Energy	940.45	659.24	3.6%
EASTMAN CHEMICAL CO	29392	Materials	131.49	104.91	9.0%
CYTEC INDUSTRIES INC	29511	Materials	136.88	141.57	7.5%
MARTIN MARIETTA MATERIALS	29733	Materials	268.10	181.80	5.2%
BEAZER HOMES USA INC	29755	Consumer Cyclical	400.71	363.79	8.3%
PROLOGIS INC	29984	Financials	413.29	418.28	9.4%
BLYTH INC	30219	Consumer Cyclical	208.07	155.51	6.9%
PENN NATIONAL GAMING INC	30259	Consumer Cyclical	220.45	206.09	6.7%
FIRST INDL REALTY TRUST INC	30384	Financials	13.66	7.68	10.1%
RELIANCE STEEL & ALUMINUM CO	30671	Capital Goods	2076.08	849.76	5.4%
AFFILIATED COMPUTER SERVICES	30697	Technology	128.58	127.45	7.2%
CAPITAL ONE FINANCIAL CORP	30990	Financials	233.11	211.16	-5.6%
AMERISOURCEBERGEN CORP	31673	Consumer Staples	71.00	58.74	7.5%
PMI GROUP INC	31707	Financials	281.56	160.45	8.5%
DARDEN RESTAURANTS INC	31846	Consumer Staples	62.87	31.71	9.2%
SINCLAIR BROADCAST GP -CL A	60800	Consumer Staples	182.99	149.78	5.2%
CAMERON INTERNATIONAL CORP	60894	Energy	128.18	119.98	19.3%
SERVICE PROPERTIES TRUST	61188	Financials	155.50	154.03	8.2%
DIAMOND OFFSHORE DRILLING INC	61409	Energy	382.48	385.16	4.6%
DAVITA INC	61483	Health Care	456.14	442.83	4.9%
SANDISK CORP	61513	Technology	54.50	56.92	9.5%
SOUTHERN COPPER CORP	61811	Materials	21.19	23.29	8.6%
IRON MOUNTAIN INC	62374	Transportation	-38.21	15.18	16.7%
STEEL DYNAMICS INC	64030	Materials	-84.88	-69.72	18.5%
QUEST DIAGNOSTICS INC	64166	Health Care	76.12	33.53	9.9%

Continuation of Individual Firm Descriptions Table

NATIONWIDE FINL SVCS -CL A	64621	Financials	27.97	37.48	10.2%
AMAZON.COM INC	64768	Consumer Cyclical	320.75	278.46	6.8%
RALPH LAUREN CORP	64891	Consumer Cyclical	504.74	518.34	4.1%
BOSTON PROPERTIES INC	64925	Financials	49.13	42.68	9.5%
PACIFIC GAS & ELECTRIC CO	65092	Utilities	500.61	558.04	12.2%
ARCELORMITTAL	65248	Materials	105.53	100.39	12.2%
MERITOR INC	65399	Consumer Cyclical	404.80	409.59	3.8%
YUM BRANDS INC	65417	Consumer Staples	231.78	158.26	9.0%
UNITED RENTALS INC	66065	Consumer Cyclical	18.08	22.76	9.8%
AMERICAN TOWER CORP	105365	Communication Services	90.97	70.55	9.1%
AMKOR TECHNOLOGY INC	110039	Technology	89.24	94.57	0.2%
EQUITY ONE INC	110382	Financials	89.21	74.50	7.6%
REPUBLIC SERVICES INC	112168	Capital Goods	116.03	91.93	8.8%
ENTERPRISE PRODC T PARTNRS LP	112876	Energy	144.77	142.42	5.4%
CROWN CASTLE INTL CORP	113490	Consumer Cyclical	-51.48	-51.01	14.0%
GOLDMAN SACHS GROUP INC	114628	Financials	64.11	58.82	8.7%
PLAINS ALL AMER PIPELNE -LP	116029	Transportation	102.39	95.41	6.0%
URBAN ONE INC	120301	Consumer Staples	66.58	66.48	8.7%
REYNOLDS AMERICAN INC	120877	Consumer Staples	446.10	431.44	3.5%
PACTIV CORP	125533	Materials	156.66	156.65	3.1%
EXPEDIA GROUP INC	126296	Transportation	225.56	183.37	8.0%
PACKAGING CORP OF AMERICA	128978	Materials	-56.20	-38.33	12.7%
NRG ENERGY INC	135990	Utilities	757.89	744.68	5.2%
BASIC ENERGY SERVICES INC	137024	Energy	161.95	130.18	7.1%
JANUS CAPITAL GROUP INC	137232	Financials	116.40	74.87	7.6%
MONSANTO CO	140760	Materials	1217.73	321.75	6.1%
RRI ENERGY INC	140977	Utilities	101.58	88.13	3.2%
ENERGY TRANSFER PARTNERS -LP	141720	Consumer Cyclical	384.59	220.99	9.8%
MAGELLAN MIDSTREAM PRTNRS LP	142230	Energy	-14.55	-13.36	12.0%
PEABODY ENERGY CORP	142460	Materials	435.56	397.47	9.3%
ODYSSEY RE HOLDINGS CORP	143073	Financials	67.13	56.96	8.7%
PRUDENTIAL FINANCIAL INC	143356	Financials	327.19	311.73	5.7%
ZIMMER BIOMET HOLDINGS INC	144559	Health Care	134.20	112.01	11.2%
ANTHEM INC	145046	Health Care	615.07	401.15	6.0%
SEAGATE TECHNOLOGY PLC	150937	Technology	65.97	86.60	8.6%
ASSURANT INC	157057	Financials	-122.28	-150.08	17.1%
GENWORTH FINANCIAL INC	158354	Financials	-2.31	5.01	12.7%
HOSPIRA INC	160255	Health Care	55.53	60.30	11.2%
ALPHABET INC	160329	Technology	106.78	125.57	8.5%
MOSAIC CO	162129	Materials	35.71	27.05	10.6%
WILLIAMS PARTNERS LP	163921	Energy	155.70	131.46	4.8%
FIDELITY NATL FINL FNF GROUP	165264	Financials	398.95	404.40	1.9%
VIACOM INC	165675	Technology	596.28	558.58	-0.2%
EMBARQ CORP	174130	Communication Services	37.82	27.05	7.9%
WINDSTREAM HOLDINGS INC	174490	Communication Services	99.29	91.20	8.6%
WYNDHAM DESTINATIONS INC	174729	Consumer Cyclical	262.19	213.10	4.0%
WESTERN UNION CO	175263	Consumer Cyclical	81.84	76.37	8.8%
TIME WARNER CABLE INC	176404	Communication Services	131.23	140.80	12.7%

Total Firms In Original Sample: 391