

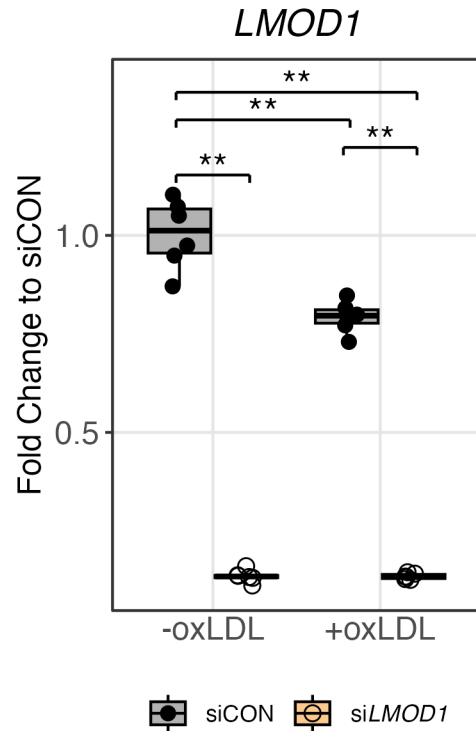
Leiomodin 1 deficiency promotes lipid accumulation and redirects gene regulatory programs in smooth muscle cells exposed to oxidized LDL

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Supplementary Information



Supplementary Figure S1. Knockdown of endogenous *LMOD1* significantly reduces *LMOD1* gene expression. Quantitative RT-PCR analysis showing knockdown of endogenous *LMOD1* expression in cultured SMCs relative to siCON. Expression was normalized to housekeeping gene *ACTB* and is presented as fold change relative to siCON. A near similar trend was seen in three independent experiments. We used a Kruskal-Wallis test followed by pairwise Wilcoxon rank-sum tests with Benjamini-Hochberg adjustment; ** $p < 0.01$ for indicated pairwise comparisons.

Supplemental_Table_S1.xlsx - CAMERA_4C

GeneSet	NGenes	Direction	PValue	FDR	Correlation	Genotype
Dec	387	Down	0.000158259	0.000282972	0.128072154	siCON
Inc	419	Up	0.000282972	0.000282972	0.152015003	siCON
Dec	387	Down	0.354883711	0.709767421	0.082958061	siLMOD1
Inc	419	Down	0.865569397	0.865569397	0.032703891	siLMOD1

Supplemental_Table_S1.xlsx - zscore_sensitivity_4E

metric	raw	zscore
theta_deg	87.48624283	86.9755714
Δ _CON	7444.767957	96.96086942
Δ _KD	6324.875247	81.49595954
attenuation_ratio	0.849573188	0.840503597

Supplemental_Table_S1.xlsx - bootstrap_theta_stats

theta_mean	theta_lo	theta_hi
88.29123433	83.56185578	92.05711082

theta_deg

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Supplemental_Table_S1.xlsx - bootstrap_norms_stats

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8686.6194	7444.768	10910.7	7904.728	6564	10470.598	0.9186763	0.67692	1.270525

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9912.26922	6673.57178	0.673263774
8491.56202	7322.52762	0.862329876
10806.9905	6928.51377	0.641114077
9324.79761	8257.38267	0.885529425
8503.94116	8425.97378	0.990831618
7549.99925	8193.22569	1.085195563
9092.08432	10360.8314	1.139544136
8247.57984	8231.30282	0.998026449
8785.50752	9091.54101	1.034833901
8422.59228	8943.93288	1.06189788
8907.18298	10659.9498	1.196781273
7957.69084	8315.72787	1.044992579
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8905.11454	6957.92982	0.781340857
8130.82983	6952.94756	0.855133819
8428.64479	7927.77209	0.940574942
8604.336	7529.83191	0.875120626
8285.58272	7224.3159	0.87191404
7628.80286	7511.63499	0.984641381
8215.54751	7427.05712	0.904024608
8182.03332	7120.27994	0.870233555
9967.49348	8049.94654	0.807619945
7618.49068	7655.46623	1.004853395
8325.94243	8898.57589	1.068777014
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8680.18423	6994.92948	0.805850348
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12349.3386	7257.20199	0.587659162
7261.0274	10861.4008	1.495849031
9391.22923	7558.4225	0.804838463
8323.23616	8457.48014	1.01612882
11185.8339	8018.27108	0.716823718
8617.6144	8173.0119	0.948407706
10534.185	9085.89558	0.862515286
8427.22277	7628.94925	0.905274425
8301.77752	8362.59717	1.0073261
9090.7234	8846.58407	0.973144126

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9190.12974	7172.81277	0.780490915
8257.07325	6446.63136	0.780740484
8937.53769	8856.42783	0.990924809
8254.92256	8109.8897	0.982430742
8244.26369	7851.40456	0.952347578
8202.70867	7291.75471	0.888944738
8547.74338	7722.12372	0.903410804
8925.56569	9259.05602	1.037363496
9665.74658	7496.2728	0.775550314
8616.37768	7977.93456	0.925903536
9295.84719	7675.54825	0.825696474
9757.77581	6983.05918	0.715640462
7999.01374	6805.41107	0.85078127
8593.50894	7618.64175	0.886557727
8213.16278	8174.38017	0.995277993
7649.07553	10216.7471	1.335683904
8504.77864	6806.5908	0.800325452
7819.5833	6612.11276	0.845583775
9074.82253	8212.57779	0.904984947
7730.9624	9217.79445	1.192321727
7972.96588	7793.07436	0.977437314
8351.35246	7582.28097	0.907910546
9050.32528	8245.10126	0.911028169
9091.77579	8026.81249	0.882865204
9395.72763	8828.84974	0.93966642
7979.59867	7545.32273	0.945576719
8427.83858	7734.2307	0.917700383
9191.68591	6591.0881	0.71707064
8665.25484	7824.7016	0.902997285
9017.66824	7254.39447	0.804464555
8641.53631	6422.77704	0.743244813
9898.68414	7616.97044	0.76949323
9074.82253	8213.92197	0.90513307
8272.9572	6915.33814	0.835896762
7911.53762	7065.28109	0.893035138
8702.7195	8658.45669	0.99491391
9238.54735	8036.89304	0.869930384
8113.20749	7902.53722	0.974033664
7651.4481	7250.18832	0.947557667
9600.55308	11031.8708	1.149087011
7863.87825	7589.30809	0.965084639
9341.83354	10133.9195	1.084789136
8041.26692	8919.39277	1.109202425
7832.3563	7191.02218	0.918117347
8364.98374	7107.94568	0.84972618
8412.94352	7367.28967	0.875708918
7664.9547	7847.3684	1.023798405
8150.35151	7744.98746	0.950264224

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7955.62368	7593.2953	0.95445632
7838.99542	7888.82625	1.006356787
8953.0382	7339.49423	0.819776936
9300.14991	9588.14185	1.030966375
7845.05951	7251.13231	0.924292837
10117.346	7711.72932	0.762228488
8345.19775	8006.43243	0.959405957
8194.54629	8628.14979	1.052913669
7461.99102	9987.47704	1.338446672
8041.26692	7229.59826	0.899062092
8159.1476	9127.39326	1.118669953
7525.30424	8811.60297	1.170929798
9753.09809	7491.49795	0.768114693
8493.45487	8469.76038	0.997210265
8336.83611	8591.95801	1.030601765
8395.63642	7062.0573	0.841158066
8139.6802	10628.3131	1.305740871
8680.8517	7539.47952	0.868518411
7625.83141	7416.0008	0.972484232
8371.76438	6754.84688	0.806860606
8223.36975	7507.24507	0.912915909
8587.72542	7088.4599	0.825417622
8405.42866	8719.34656	1.037347041
8249.28824	8369.0418	1.014516835
7715.45585	7335.01565	0.950691156
8962.35466	7196.29258	0.802946642
8879.70264	6805.74515	0.766438407
8810.44765	7550.04737	0.856942537
8277.07921	6923.41191	0.836455921
8240.85531	7929.52684	0.962221341
8637.90686	7130.23349	0.825458483
8180.93593	8376.01338	1.023845371
8686.22304	8376.01338	0.964287164
8274.8758	9347.79855	1.129660285
9068.1175	7512.22287	0.828421431
9732.19078	7031.72963	0.72252279
8819.48881	7808.42854	0.885360672
9956.6578	8233.11636	0.826895584
8597.57947	8133.12	0.945977881
8242.80866	7554.75919	0.916527302
8248.0864	7071.12867	0.857305359
8983.71204	7335.07706	0.816486218
8555.86632	7332.2604	0.856986321
9591.20283	6387.71641	0.665997428
9072.82018	7626.42599	0.840579426
8724.76323	7246.91309	0.830614299
9182.44465	7276.06727	0.792388906
9131.78337	8413.29516	0.921320055

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9920.74709	7255.59205	0.731355409
9125.14542	6975.24813	0.764398572
7773.94699	7118.36471	0.915669314
8087.61171	7093.48161	0.877079892
7661.15993	9174.03295	1.197473103
8056.76777	7458.59453	0.925755184
9437.57605	7223.31356	0.765378051
8331.83685	7849.47269	0.942105904
10203.3442	7054.32795	0.691374104
7590.63361	9909.81007	1.305531341
7428.35288	7809.9136	1.051365453
9139.96065	7490.86036	0.819572496
8120.9164	7384.69621	0.90934272
8560.63352	7206.15214	0.841777904
7971.15302	7529.44065	0.944586139
8706.35404	9389.93428	1.078515097
9204.78482	9414.04026	1.022733333
8644.03567	8582.75851	0.992911048
8335.87902	7316.12834	0.877667289
8569.6655	6872.97681	0.802012261
7862.03759	7062.01399	0.898242207
7881.50812	7372.65427	0.935436995
8514.26024	7808.5464	0.917113899
9635.13388	10089.4776	1.047154892
8438.59768	7830.19597	0.927902509
9516.46484	8584.88302	0.902108416
9983.84901	8800.01422	0.881425011
9532.08353	6544.44935	0.68657071
8265.10294	9392.23373	1.136372263
8388.24307	6878.46479	0.820012573
9447.63564	7721.79578	0.817325739
7791.03309	7026.35391	0.901851376
9498.22414	8017.66955	0.844123011
8724.77805	6511.02921	0.746268749
9199.97248	7762.84736	0.84379028
8055.89032	7993.99664	0.992316966
7323.44419	8323.50846	1.13655655
7484.58915	7817.78974	1.044518221
8728.07639	7105.06539	0.814047113
8505.09506	7526.88201	0.884985054
9882.09119	10509.6147	1.063501087
7408.90508	7725.88374	1.042783468
8543.2049	6741.1346	0.789063902
7752.36974	7620.98353	0.983052123
9529.84096	7276.54258	0.763553412
7773.9671	8435.82574	1.085137824
9532.7166	8173.91376	0.857459012
7875.62065	8149.15126	1.034731309

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8351.06341	7100.05136	0.850197275
8356.27738	8064.8378	0.965123275
9227.53026	6876.9557	0.74526504
9450.07198	7445.95061	0.787925281
8249.23216	9772.78004	1.18468966
9021.10115	6716.06819	0.744484301
8224.48462	9937.72708	1.208310009
9269.47704	7918.59577	0.854265644
8194.09559	8198.21341	1.000502536
8457.18083	8968.02696	1.060403831
8787.65244	7146.66679	0.81326234
8285.79791	7824.91625	0.944376913
10177.1152	7454.17874	0.732445157
7851.89683	7313.89593	0.931481411
8453.60523	8450.48308	0.999630673
7694.64802	7365.79818	0.957262524
7562.50703	8060.04944	1.06579067
9635.22028	9274.43	0.962555056
8037.75267	8376.63164	1.04216091
8870.57588	8583.69719	0.967659519
8765.06067	7103.10175	0.810388201
7942.92064	7865.37115	0.990236654
9282.47847	10089.4776	1.086937892
9469.50314	7923.5095	0.83673973
8190.95582	7467.75293	0.911707144
9616.75258	7340.66309	0.763320366
9692.78728	7599.54562	0.784041308
8174.92213	8330.4474	1.019024679
8326.5506	7328.33928	0.880117066
8182.38324	7166.75682	0.875876455
9348.45721	6881.13182	0.736071382
9049.66891	7778.95166	0.859584118
7831.97261	7437.78631	0.949669602
8925.29105	7526.88201	0.843320624
8185.06727	7365.82784	0.899910483
8943.08091	7780.14824	0.869962859
9300.85054	8443.89374	0.907862534
9022.88045	8477.25916	0.939529145
9735.07911	7117.32866	0.731101265
8797.77575	7130.90182	0.810534619
9963.78361	7999.71101	0.802878838
7580.34428	9815.66949	1.294884392
9736.71145	7444.75927	0.764607157
8448.45345	7008.59656	0.829571543
8233.69935	8610.39824	1.045750867
8234.90562	8234.22532	0.999917388
7596.35847	7943.99273	1.045763277
8496.85238	6569.442	0.773161838

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8669.60207	7103.71535	0.819381938
8149.71459	7260.61299	0.890903959
7989.52223	7574.86782	0.948100224
9843.31776	8104.61726	0.823362351
7767.39989	7641.19629	0.983752142
7960.80524	8010.54826	1.006248491
9901.96964	7659.39295	0.77352216
10006.5794	6398.67232	0.639446517
8795.02203	6914.03611	0.786130618
7389.78296	7929.52684	1.073039207
8297.721	8614.46978	1.038172985
10559.3004	7762.85158	0.735167223
8195.04185	7378.56104	0.900368927
9136.83783	7136.07477	0.781022374
8544.8958	7046.84418	0.824684624
8395.98117	7375.78742	0.878490229
7180.74864	8004.74113	1.11475022
7528.63952	7920.22241	1.052012437
8508.00439	7290.69984	0.856922436
7819.73199	6978.88874	0.892471603
8061.19326	9007.9653	1.117448126
7539.54431	6994.92948	0.927765551
9121.11803	8898.57589	0.975601441
11598.4206	6704.4685	0.578050129
8515.50976	9092.40634	1.067746571
8708.3085	8769.73896	1.007054236
7969.47923	9007.9653	1.130307897
10721.8299	6950.44269	0.648251536
8547.11476	9630.05525	1.126702462
8230.47857	7908.26173	0.960850777
9054.84726	9287.11537	1.025651245
8562.18552	6834.87046	0.798262365
10971.556	8027.49195	0.731663944
8581.93461	7249.11257	0.844694454
11065.5032	6515.77472	0.588836732
8665.25484	9148.37644	1.055753882
8768.57679	7191.02218	0.820090005
9833.18106	8940.16869	0.909183776
9117.68173	10018.1113	1.098756417
8272.9572	8117.38163	0.981194685
8275.20958	6486.33267	0.783826996
10477.9977	8261.0955	0.788423103
8267.16107	8533.79141	1.032251742
12302.6895	6618.35704	0.537960178
8325.87235	8337.8727	1.001441332
10921.992	8431.49037	0.77197368
7912.40867	9062.21007	1.145316231
9000.36327	6843.08231	0.76031179

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9101.92775	7368.98917	0.809607523
8521.28067	9312.78032	1.092885058
8272.9572	7581.79348	0.916455059
11559.1252	7059.58585	0.610737032
8134.65133	10215.8171	1.255839581
7851.1806	8667.42442	1.103964469
9274.08313	8150.2914	0.878824492
8954.78904	6986.11381	0.780153924
8583.54821	8010.29798	0.933215237
8376.25833	8078.69744	0.964475679
9748.84311	8059.83845	0.826748196
8201.06599	7391.9997	0.901346204
7684.97768	7396.61723	0.962477386
12272.218	8325.0978	0.67836945
8096.57505	8150.20377	1.006623631
8543.2049	8821.01239	1.032517947
7734.99571	7941.20268	1.026658964
8394.30354	7979.43377	0.950577226
9030.30842	7553.40396	0.836450275
8510.93485	7244.61554	0.851212665
9898.89329	6383.79112	0.644899479
8220.66584	7674.58291	0.933571934
8560.88823	7600.05756	0.887765073
7750.51972	6668.78052	0.860430108
8294.45306	8583.98279	1.034906428
8216.71916	6601.87156	0.80346808
8251.48084	7944.58744	0.962807476
8163.77177	7115.24985	0.871564033
7798.73241	7363.20319	0.944153846
8662.3041	6843.5403	0.790036948
8165.78175	8954.04561	1.096532566
8467.38217	6670.46246	0.787783322
8392.87691	7332.2604	0.873628969
7660.66299	8136.46956	1.062110364
8100.97919	8008.59095	0.988595423
7408.0191	7129.72651	0.962433603
8330.44634	8470.08366	1.016762285
7749.13455	6515.77472	0.840839023
10084.582	7590.98477	0.752731721
8530.42304	10421.8477	1.221726942
10189.7853	7797.96916	0.765273159
7454.76616	6904.69558	0.926212228
9310.85905	7676.69946	0.824488849
9643.67427	7713.74635	0.799876286
8564.68525	6602.31356	0.77087638
9392.25011	9676.39596	1.030253225
9142.45235	6469.82107	0.707668011
8358.40239	6642.46691	0.794705328

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

10126.9415	8563.40162	0.845605917
9677.871	8588.42777	0.887429454
12626.0757	8644.81293	0.68467932
9014.72787	8041.02054	0.891987053
8641.53631	7484.70394	0.866131168
8457.29762	8581.3732	1.01467083
8121.55472	7166.17834	0.882365333
7556.39475	8480.44535	1.122287232
8447.80165	6919.55522	0.819095369
9887.3123	7757.71083	0.784612703
8777.56175	7335.01565	0.83565526
7734.62681	7780.14824	1.005885407
7458.07991	7444.98736	0.998244516
7659.2084	6806.45468	0.888662944
8829.59588	9850.9086	1.115669249
8396.77775	7083.30803	0.843574552
10297.4808	14996.3502	1.456312512
9657.82184	6398.67232	0.66253783
10584.4747	8801.02013	0.831502783
7894.86513	6917.92356	0.876256079
10108.3153	7118.57471	0.704229589
8019.75967	7418.8583	0.925072396
8005.27876	7842.48024	0.979663604
10178.2831	8696.61323	0.854428307
10872.0451	7489.96195	0.688919323
9853.20626	8665.74653	0.879484941
7323.44419	7093.81462	0.968644594
7482.09019	7550.3889	1.009128293
8063.44795	6949.25473	0.861821738
7380.66	7328.33928	0.992911107
8440.89833	8077.45868	0.956943013
10241.9136	8526.34651	0.832495452
10898.2109	7849.50322	0.720256132
8787.65244	8735.69664	0.994087636
8942.93578	7466.11705	0.834861977
8916.08239	10050.2417	1.127203766
10380.4597	7730.15989	0.744683772
9882.48556	8461.69539	0.856231496
8128.30252	7111.25475	0.874875749
7779.95455	8735.20888	1.122784049
10266.1115	7665.07203	0.746638296
8086.45396	6939.92104	0.858215614
7645.22208	7061.20078	0.923609635
7924.75086	6753.01283	0.852141973
7726.1662	10847.702	1.404021316
9720.70114	7931.33798	0.815922418
8384.78521	6957.86379	0.829820158
7993.32055	7160.30496	0.89578604

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8724.09473	7244.56226	0.830408482
8206.7012	7007.70155	0.853899927
8694.42331	7705.58543	0.886267572
8695.19354	7087.90406	0.81515196
9234.40911	8062.98821	0.873146091
8278.18122	12945.3484	1.563791372
10309.6021	7539.47568	0.731306172
8358.2687	8314.01235	0.994705082
8427.56716	7773.6641	0.922409036
9223.58315	8221.05149	0.891307787
8184.05695	7059.62196	0.862606651
8601.99705	8492.60635	0.987283104
9118.10714	7706.4132	0.845176865
8113.85311	8893.00563	1.096027437
9218.40164	7665.25012	0.831516181
8956.05367	6973.82838	0.778672018
8871.16612	9289.7024	1.047179398
9457.72534	6722.63424	0.710808783
10436.6553	7626.12381	0.730705726
7618.49068	7469.4762	0.980440419
9673.56773	7384.36189	0.763354545
9984.98944	7527.62939	0.753894577
8019.75967	7943.30425	0.990466619
8200.94082	7195.35437	0.877381574
8756.9948	7287.33503	0.832173045
8369.41973	8810.60367	1.052713802
7908.81492	6885.81373	0.870650509
8140.52685	6710.93631	0.824385993
8866.02021	7644.84505	0.862263436
7451.44464	8246.82666	1.106741988
8224.48462	7492.42061	0.91098968
7950.38828	8727.52688	1.097748509
7921.22158	8658.45669	1.093070885
8845.52612	7207.17884	0.814782381
9426.91292	7204.69213	0.76426845
8604.14677	9663.18118	1.123084188
7565.00747	6893.31656	0.911210806
9083.57015	10782.8853	1.187075692
8823.2998	6793.2209	0.769918404
8805.21022	7491.34562	0.85078555
8371.43787	7068.94066	0.844411769
8251.42338	7986.61924	0.967908065
11401.751	8120.81921	0.712243163
12428.7649	7694.90832	0.619120918
8277.80292	8110.70457	0.979813684
8494.00144	6807.90853	0.801496041
8873.74055	7399.63967	0.833880552
8573.08445	7172.22844	0.836598366

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8696.10186	8973.83164	1.031937274
9465.83492	7243.05864	0.765179057
10251.6855	7106.07555	0.693161679
8742.64151	9378.6174	1.072744135
8519.78195	6850.41012	0.804059325
8280.47231	7187.92147	0.868056942
7911.47313	8211.91141	1.037975011
8623.5203	7549.11676	0.875410099
8877.81934	7654.21382	0.86217274
8474.18061	7914.47971	0.933952211
8781.64129	7159.22329	0.815248888
7852.80884	10753.5738	1.36939202
10303.4872	7430.99974	0.721212106
7902.10702	8698.1966	1.100743964
9726.52224	6986.50514	0.718294264
8800.49068	7287.72834	0.828104773
8197.9286	7355.88691	0.897286042
8405.42337	7480.63572	0.889977267
9705.61597	7256.18106	0.747627053
8560.79195	6627.88985	0.774214569
7855.0734	8139.53495	1.036213736
8960.74525	7515.98698	0.838768067
8226.82008	7022.03493	0.853553968
9732.25375	6976.5498	0.716848326
8429.36395	7259.72867	0.861242759
10816.4401	7023.92497	0.649374922
9804.09975	8595.65579	0.876740956
12001.2864	8492.31417	0.707616989
8489.74876	6806.2603	0.801703382
8225.62915	9845.51059	1.196931008
7372.73386	9553.88574	1.295840312
9358.81848	6998.01647	0.747745721
8791.47863	7448.17363	0.847203747
9801.22012	8543.6205	0.871689483
9263.51811	8538.94095	0.921781644
8128.03655	10326.5309	1.270482838
8500.54692	6752.24148	0.79433024
7482.09019	9324.35753	1.246223621
8225.76564	8199.69667	0.996830815
8660.491	10098.3528	1.166025434
8075.03751	6370.35782	0.788895137
8012.25439	7497.40891	0.935742743
11349.9408	6460.74039	0.569231195
7493.81266	7728.00943	1.031252018
8812.01949	8880.9685	1.007824427
9990.59814	8657.83193	0.866597956
9315.11795	8221.05149	0.882549371
8450.64644	7405.8425	0.876364022

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7862.03759	7738.60552	0.984300244
7905.73047	7198.80465	0.910580581
9074.82253	7547.84764	0.831735013
9649.87267	9883.74432	1.024235724
8452.21077	7973.83684	0.943402508
7634.02184	7126.91816	0.933573194
8653.48401	8802.10908	1.017175171
7429.21145	9197.99024	1.238084324
10472.6984	8105.84822	0.773998056
9261.33071	7743.34521	0.836094235
8885.37455	9139.10003	1.028555407
9861.93036	8532.24171	0.865169535
8276.14458	9015.51993	1.089338138
8617.6144	6979.11063	0.809865736
8081.86884	8246.63378	1.020386986
8415.82998	6878.46479	0.81732459
8953.14029	7840.1227	0.875684112
8182.73758	8844.89447	1.080921193
9013.48143	7146.66679	0.792886394
8337.93052	7614.80666	0.913272981
11191.1416	8492.31417	0.758842527
10243.483	8988.84948	0.877518853
8227.95741	7561.99934	0.919061556
8807.24147	7378.75094	0.837804999
7212.07391	8592.81728	1.191448865
10148.2678	8017.21635	0.790008356
8776.59166	9022.06364	1.027968943
8140.66992	7050.78158	0.866118102
9115.21704	7434.40885	0.81560415
9002.81746	8330.3577	0.925305632
8407.379	7347.65354	0.873952934
8172.41037	6468.15611	0.791462471
8994.99514	7824.91625	0.869918898
12729.6513	6618.19207	0.51990364
8276.47349	7478.71563	0.90361138
9133.66416	7434.72632	0.813991646
9462.47071	7630.08755	0.806352567
7682.19539	7782.17373	1.013014293
8392.87691	8026.30573	0.956323537
8417.1171	8222.59613	0.976889834
8541.40765	8255.77636	0.966559225
7669.57183	6858.75511	0.894281357
7479.48244	8284.13978	1.107581955
8249.28824	6995.8378	0.848053505
8446.82152	7626.17376	0.902845377
8617.40361	7416.0008	0.860584131
9069.54713	7453.07888	0.821769684
8095.75566	7794.15802	0.962746203

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8638.44546	7215.3094	0.835255537
8084.05648	6927.17789	0.856893801
10582.8479	6296.58398	0.594980108
8114.79014	8172.79955	1.007148603
8533.62023	9454.46893	1.107908329
7957.75824	6370.35782	0.800521658
8767.86647	7677.97815	0.875695151
8311.18922	7328.83703	0.881803655
8390.89712	8512.73539	1.014520291
7832.3563	10106.2768	1.29032393
8134.62917	8464.32271	1.040529633
8184.05695	6746.91838	0.824397779
8317.41494	6893.8831	0.828849246
9504.24386	7663.40129	0.806313622
8412.7643	8261.1414	0.981977041
8275.20958	7870.97168	0.951150736
7910.94141	7468.82345	0.944113105
10193.9114	11456.3427	1.123841698
8266.66189	7367.28967	0.891204911
8913.49389	9797.9733	1.099229261
9068.1175	8594.94521	0.94782023
10297.4808	7834.40035	0.760807472
8810.53697	7599.54562	0.862551925
7917.38028	7507.24507	0.948198117
7997.22233	8734.98085	1.092251845
8238.21924	8358.64688	1.014618164
10332.9054	7099.53328	0.687080062
8368.23187	8970.28755	1.071945387
7613.22779	6748.9587	0.886477967
7444.76796	7461.27346	1.00221706
10104.5195	8894.21238	0.880221213
11065.0745	7100.05136	0.64166322
10142.4818	6729.6382	0.663510009
7646.08718	7867.86396	1.029005264
8797.26091	8673.03152	0.985878629
7719.08777	6895.05107	0.89324688
8358.40239	7226.65382	0.864597502
7948.73512	8941.10554	1.124846332
8812.67437	7287.20924	0.826900999
9771.74052	7739.51264	0.792030102
9378.95571	10285.8484	1.096694423
8205.69154	8255.86708	1.006114725
8651.99603	10654.2778	1.231424259
9808.56651	7455.37982	0.760088624
8191.41713	7848.18989	0.958099162
8562.18552	8482.08221	0.990644526
11173.0038	8425.61686	0.754104892
10130.297	7263.2693	0.716984833

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9217.86341	8696.64353	0.943455456
8063.47827	8319.33992	1.031730928
8769.72662	7049.37476	0.803830617
8437.4012	7118.36471	0.843667919
10199.6457	7262.02378	0.711987849
9398.283	6805.74515	0.724147714
7521.39762	8807.04805	1.170932384
10224.8129	7026.32264	0.687183493
8965.53426	7518.43962	0.838593597
9475.69273	8274.98205	0.873285182
10958.4903	7082.08623	0.646264774
9227.53026	7607.34273	0.824418074
8413.12964	8040.63025	0.95572404
8655.67809	8895.03724	1.027653426
8042.09474	6998.01647	0.870173344
7780.9691	6860.12814	0.881654721
8467.04409	7007.59904	0.827632284
8741.20126	8235.52739	0.942150528
8571.54903	7981.71287	0.931186748
8107.05397	7656.99575	0.944485602
9516.46484	6530.57406	0.686239498
8251.48084	7599.90837	0.921035693
7556.39475	6819.06996	0.902423733
7920.23506	8215.63824	1.037297274
7825.59553	7406.86205	0.946491807
8562.84558	8313.3678	0.970865084
7677.68707	7876.56238	1.025903024
8475.11446	8588.42777	1.013370122
7894.86513	6736.20489	0.853238754
8732.4062	7514.94398	0.860581128
8725.13548	7853.02305	0.900045972
8213.07321	7800.05199	0.949711733
8913.40976	7745.38782	0.868959022
8572.06259	7165.37555	0.835898651
9204.78482	11103.5991	1.206285572
8724.18472	7204.21749	0.825775441
8260.90603	9215.76284	1.115587419
8036.58949	8030.86762	0.999288022
8270.65004	8757.01914	1.058806636
8002.8591	7777.95731	0.971897321
9411.27149	7637.57951	0.811535351
8104.14539	6772.4779	0.835680701
10075.0179	8441.97783	0.837911944
7824.19676	7517.25214	0.960769823
8633.21465	6918.4058	0.801370762
8624.95519	7624.5014	0.884004756
8028.2618	8322.4059	1.036638579
9377.83173	7348.39666	0.783592293

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7670.79185	7354.38324	0.958751506
8105.02866	7193.31303	0.88751235
8271.50114	8678.08544	1.049154839
8184.8332	7207.17884	0.880552927
8163.2796	7143.90445	0.875126762
8531.66983	7792.30612	0.913338921
7743.32482	7394.45192	0.954945337
8464.78689	8037.82824	0.949560615
8782.75188	8287.83629	0.943649143
8560.2855	7348.08442	0.858392448
7354.66304	7900.57343	1.074226431
7914.81634	7239.58862	0.914688137
8556.36066	6928.51377	0.809750085
9532.11078	7455.15804	0.782109882
10280.9625	7144.56707	0.694931733
9764.3993	6643.796	0.68041011
8708.58714	8136.91662	0.934355537
8071.39176	6780.58136	0.840075858
8168.80608	7239.80365	0.886274393
8387.92603	8004.82881	0.95432754
7951.89759	7093.81462	0.892090793
8672.14829	8376.16917	0.96587015
8153.2933	8549.04993	1.048539482
8198.25014	6885.81373	0.839912617
8040.35824	7725.48374	0.96083825
8799.01208	9607.37127	1.091869313
8662.61053	6751.4103	0.779373639
8845.52612	8562.48681	0.968001982
10722.3493	7417.34962	0.691765338
8030.63138	7080.6906	0.881710325
9715.71206	9663.18118	0.994593203
8031.82474	6652.13572	0.828222221
8153.57336	7347.96046	0.901195113
7353.69409	7402.24257	1.006601916
9429.19478	9125.18332	0.967758492
7752.36974	6748.9587	0.870567185
8167.38578	6610.91093	0.809428024
9855.74874	7624.865	0.773646448
9346.30298	7565.83874	0.809500693
8060.23622	10172.2355	1.262026968
7552.18994	7676.69946	1.016486546
8322.07736	7271.22966	0.873727718
9156.06169	7848.48679	0.857190249
7537.27569	7610.16211	1.009670128
7522.31991	8314.78874	1.105348993
8586.46676	7952.55497	0.92617315
8683.00776	6685.37951	0.769938217
8866.02021	11091.4141	1.251002576

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8785.40108	7756.71312	0.882909392
8879.31167	6849.55726	0.771406334
9685.39424	7485.74264	0.772889823
9513.51877	7184.97287	0.755238208
8554.40837	7658.78977	0.895303269
7343.12858	7723.87741	1.051851037
8148.90139	6277.94729	0.77040413
8373.70681	8324.43432	0.994115809
8158.2059	8186.36357	1.003451454
8407.78313	7633.10478	0.90786176
8265.99081	7884.79348	0.953883649
9907.94043	7676.56641	0.774789318
8523.6088	7291.06513	0.8553965
10508.914	7351.35776	0.699535437
9604.06088	7169.95979	0.746555013
7917.72546	7029.42615	0.887808776
8627.59721	7247.43566	0.840029441
11724.9017	9776.01897	0.833782597
7249.46396	7863.66472	1.084723611
7915.04737	8588.7296	1.085114112
8196.97345	6983.02167	0.851902439
9103.62845	6825.16983	0.749719726
8615.59058	6971.00253	0.809114879
9405.84192	7379.82118	0.784599746
8455.74824	8224.1251	0.972607612
8612.03424	8955.02363	1.039826756
9533.67578	8664.20464	0.90880001
8624.95519	6743.13224	0.781816496
7487.3614	7250.18832	0.968323542
8120.21232	8858.72427	1.090947369
8006.59325	8075.85648	1.008650774
8456.01903	8302.27059	0.981817869
7983.19382	7702.15746	0.9647965
8349.59528	6958.18631	0.833356118
9851.88907	7181.94928	0.728992098
8355.3824	8532.74248	1.021227046
8547.74338	7193.13744	0.84152473
8873.51114	7406.25556	0.834647689
7940.04276	7234.06582	0.911086507
8182.03332	8936.66298	1.092230089
7473.77469	8016.24461	1.072583125
8275.87001	7440.35365	0.89904187
8903.32975	7021.79371	0.788670521
8577.78629	12361.4467	1.441099873
7565.00747	6533.51722	0.863649805
8142.17742	6714.58078	0.824666479
10240.5859	8217.47948	0.802442315
8031.82474	8843.57472	1.101066694

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8064.27466	7243.29875	0.898195939
7482.09019	7979.0387	1.066418407
8840.16307	9189.13294	1.039475501
8524.2011	7131.76942	0.836649597
8468.629	6525.51016	0.770550954
9693.96101	7325.28961	0.755654949
9012.48154	7291.13459	0.809004108
8159.55906	7569.28539	0.927658632
9088.55194	7538.69601	0.829471632
8625.61261	12608.1749	1.461713561
8180.88833	7898.16171	0.965440597
8249.63453	7164.52046	0.868465195
8481.66216	7435.76826	0.876687626
8496.59623	8821.01239	1.038181896
8224.48462	6952.94756	0.845396142
8170.24346	8274.24117	1.012728838
7628.80286	8881.0346	1.164145249
9007.68005	7147.1578	0.793451561
8171.657	7747.64337	0.94811167
8097.75083	8041.67341	0.993074939
9405.84192	7531.36996	0.800711943
9904.146	8575.97678	0.865897653
9219.45494	7263.41674	0.787835808
8245.23548	8727.79399	1.058525741
8070.82795	8654.47706	1.07231589
8822.41896	7283.63616	0.825582665
8477.95776	7512.34593	0.886103251
8202.62902	7354.20418	0.896566719
8115.48485	7932.53209	0.977456337
7607.70167	8929.39556	1.173731035
8287.5902	7726.01603	0.932239148
9472.69353	8875.58188	0.936964956
7534.79642	6506.51442	0.863528894
7465.54001	8217.47948	1.100721377
8130.37981	8480.71199	1.043089276
7537.27569	7987.75931	1.059767433
7524.00659	6774.22334	0.900347876
9321.05729	8426.37211	0.904014625
10390.8162	7826.72673	0.753235025
9662.27848	9315.05261	0.964063769
8812.06654	8721.51981	0.989724688
8231.41514	8388.1355	1.019039296
8403.16903	8020.15405	0.954420174
8733.6599	8931.42487	1.022643998
8188.49057	7062.90929	0.862541054
8208.38036	9251.54316	1.127085094
7780.20971	7630.12525	0.980709459
8344.67814	6850.41012	0.820931618

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9394.83911	6647.41351	0.707560122
8136.33684	7427.04401	0.912824058
10714.7514	8212.44183	0.76646126
9199.97248	8098.90364	0.880318246
8586.83787	7594.96406	0.884489048
8011.71289	7497.25706	0.935787036
8646.69573	7468.8607	0.863782065
12305.5376	9966.35925	0.809908482
8716.14628	8606.46261	0.987416035
8827.98004	8309.84176	0.941307266
8466.49266	7255.87038	0.857010178
10196.1897	7105.97262	0.696924325
9616.75258	7872.85231	0.818660171
7824.19676	8150.89033	1.041754262
8248.85068	8656.97916	1.049477012
8163.2796	12180.8449	1.492150887
8953.50237	7031.72963	0.785360783
7637.94374	6460.74039	0.84587431
7920.23506	8754.82469	1.105374351
8079.768	8228.05017	1.01835228
8067.34715	8508.78342	1.054718888
7858.5924	6524.61605	0.830252507
8017.45642	7787.11994	0.971270629
8414.11513	8026.87642	0.953977489
7291.38413	7612.38639	1.044024874
8077.55649	8360.97107	1.035086673
9042.9057	7967.04325	0.881026908
9139.13331	8999.49137	0.98472044
8060.83275	8075.85648	1.001863794
9558.89178	7404.09695	0.774576919
8571.54903	6782.7301	0.79130739
8241.22308	7098.39474	0.861327824
7677.63226	7452.53613	0.97068157
7484.58915	10323.679	1.379324741
7476.07422	12482.4208	1.669649122
9258.22215	7089.79346	0.765783468
8461.18137	7348.08442	0.868446627
8861.52426	6843.14524	0.772231169
9328.43688	7970.4719	0.854427382
8809.82315	7082.3016	0.803909622
8605.12246	6506.51442	0.756121073
8057.79214	8556.0957	1.061841204
11313.0251	7694.90832	0.680181317
9067.22433	8869.26974	0.978168116
9849.46957	7974.71594	0.809659432
7354.37945	7293.39348	0.99170753
8361.64543	9200.52929	1.100325213
10559.8709	7428.10877	0.703427994

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8516.05262	8561.68443	1.005358329
8294.84478	7764.88328	0.936109535
10235.375	7297.31613	0.712950542
8916.7104	7344.44257	0.823671762
9779.7542	8351.60015	0.853968308
8458.28486	7656.89416	0.905253759
8595.10304	8237.56399	0.958402006
8908.73944	7106.78994	0.797732383
8800.49068	7212.28116	0.819531708
8415.90371	9692.99559	1.151747445
8614.28332	6743.13224	0.782785055
9117.73139	7927.1553	0.869421894
9061.54024	7143.90876	0.788376873
8880.97947	7378.7885	0.830853007
8268.85714	7985.58867	0.965742731
8088.16945	7555.50584	0.934142873
7993.32055	8229.60433	1.029560153
10411.6277	7500.7937	0.720424697
9460.13475	7477.13321	0.790383373
9269.44175	7383.86754	0.796581687
8075.65366	8705.10341	1.077944123
10953.4187	9839.84055	0.89833511
9066.95945	7972.55478	0.879297501
8845.94616	10504.2171	1.187461113
9740.92918	8725.29497	0.895735388
7499.67884	9693.08885	1.292467192
10110.1932	7567.27781	0.748480042
7606.86471	10470.5385	1.37645914
10412.4874	7391.38657	0.70985791
7911.47313	8322.24855	1.051921483
7800.19151	6591.0881	0.844990549
9806.70817	7551.57136	0.770041407
8252.79384	6965.83347	0.844057613
9009.51719	7786.62518	0.864266643
7684.97768	6999.00989	0.910739131
9513.29904	7191.02218	0.755891532
9913.2642	7917.16147	0.798643243
8237.81882	6564.36837	0.79685758
9362.51801	8470.5032	0.904724904
7811.93199	8173.0119	1.04622159
8106.65339	7659.39295	0.94482798
9078.7521	9045.30692	0.996316104
8613.74528	8419.29451	0.977425525
8330.56047	9902.68806	1.188718105
7940.04276	7497.53158	0.944268415
9500.91998	8939.32543	0.940890509
7519.43555	7738.27637	1.029103357
9520.95164	7293.02981	0.765997989

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8203.87426	9747.6573	1.188177316
7661.98261	6465.31709	0.843817772
8036.58949	11175.6446	1.390595426
7979.59867	6363.83671	0.79751338
8185.34081	8726.27551	1.066085789
7747.45152	6729.6382	0.868626048
8002.50992	8206.79619	1.025527774
10910.408	7524.95745	0.689704497
7651.4481	8289.8926	1.083441002
8630.58756	7322.09777	0.848389258
7680.82708	8847.86348	1.151941502
9683.77245	9027.36826	0.932216066
8474.12017	8255.86708	0.974244749
8514.20984	7280.58304	0.855109656
8525.43301	7718.77165	0.905381772
7864.6413	7983.78694	1.015149532
8825.0817	7938.85962	0.899579164
8473.53673	6821.77258	0.805067919
8137.11393	7332.2604	0.901088576
9359.15728	8428.11947	0.900521192
8055.47804	8643.28537	1.072969888
8906.99199	7803.77401	0.87614023
8024.45154	10330.9877	1.28743848
8905.11454	7087.84187	0.795929332
8010.71248	7172.26772	0.895334558
8701.51143	6644.90278	0.763649262
8219.10363	7417.45947	0.902465744
8376.25833	9465.79205	1.130074036
7880.93713	9591.86679	1.217097235
9227.53026	9517.76931	1.0314536
8262.63775	7727.40971	0.935223102
12240.361	6872.89101	0.561494144
9454.63374	7170.33499	0.758393735
8751.78991	8265.77338	0.944466614
9303.10467	8711.08139	0.936362826
8028.2618	8354.64022	1.040653685
8112.91915	7867.86396	0.969794449
10773.2514	8244.03249	0.765231608
8401.19018	8425.97378	1.002950011
7773.24911	7797.47409	1.003116454
9546.80889	8130.76363	0.851673447
9111.52189	9239.78	1.014076474
8255.82073	7024.89518	0.850902098
8833.50256	7579.38221	0.858026831
8082.27891	7088.4599	0.877037278
9119.37293	10502.4521	1.151663842
7639.10364	7467.85346	0.977582425
8379.35053	7342.57784	0.876270519

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

10213.0175	8644.81293	0.846450415
8159.56936	7750.57196	0.949875124
9961.23404	10273.0562	1.031303567
8106.65339	8101.56712	0.99937258
7645.22208	7305.67356	0.955586833
9052.34177	7579.14091	0.837257485
8153.5239	7457.19444	0.914597728
7286.76953	7233.97146	0.992754255
8001.27804	7007.69653	0.875822149
7606.98382	7330.02742	0.963591824
9101.97092	8828.47553	0.969952069
7911.53762	6779.37279	0.856896992
8951.97568	10055.6326	1.123286404
9942.1631	10224.7554	1.028423619
8129.51032	8284.13958	1.019020735
7743.06805	7787.93952	1.005795051
8647.51394	7027.91605	0.812709421
8003.26593	7220.6542	0.902213454
10075.4472	9966.03558	0.989140771
8676.93111	8241.77045	0.949848552
9255.35906	6903.96213	0.745942117
8524.7773	6511.02921	0.763777044
8205.59243	7317.43391	0.891761803
9859.91883	8093.40229	0.820838633
8251.42338	7172.01147	0.869184762
7904.93961	11221.7195	1.4195832
8131.43498	7484.11691	0.920393132
8388.85693	7931.85523	0.945522768
8500.79216	7153.19992	0.841474511
8159.56936	6651.90172	0.815227057
8277.07921	6633.2429	0.801398988
8184.26377	7521.63591	0.91903635
8873.74055	8273.11617	0.932314408
7575.59768	7153.19992	0.944242319
8090.36762	7083.95498	0.875603597
9833.80998	8830.00223	0.897922804
8449.2662	7892.92615	0.934155223
8854.42041	7225.77797	0.816064478
8516.78517	8268.31887	0.970826281
7643.50139	6718.23615	0.878947462
8447.58247	8052.81909	0.953269071
9508.20071	7531.36996	0.792092025
10654.7022	7029.61773	0.659766699
8545.98457	7433.82119	0.869861293
10390.8162	8196.44262	0.78881605
8795.35929	6862.19219	0.780206012
9080.48675	6781.2333	0.746791828
8553.89307	6897.87782	0.806402156

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7931.34745	7670.73694	0.96714171
7428.35288	7026.32264	0.945878951
7948.73512	8514.06236	1.071121661
8001.83273	8169.07252	1.020900185
9467.9782	7071.12867	0.746846742
8309.73865	7341.5768	0.883490698
9285.95429	7487.84539	0.806362508
7339.99287	7415.68872	1.010312797
8851.05052	12459.3551	1.407669637
7819.5833	8694.90509	1.111939699
7938.04691	9222.1962	1.161771441
8498.13867	8582.75851	1.009957457
8293.75703	7234.60752	0.87229557
8413.71874	6875.40118	0.817165559
8001.23074	10660.1438	1.332313007
7775.6954	7147.63479	0.919227725
8424.76855	7251.69992	0.860759542
8613.68948	7449.45852	0.864839456
7572.68465	8355.15124	1.103327502
8232.0174	8641.16367	1.049701822
8322.09556	8001.61574	0.96149049
8491.56202	9254.72706	1.08987334
10865.8212	8562.48681	0.788020218
8335.76935	7529.44065	0.903268833
8209.55959	7704.06447	0.938426037
7831.97261	7207.12181	0.920217954
9375.17689	10444.5809	1.114067608
7485.91276	7314.21281	0.977063593
7027.39442	6511.02921	0.9265211
8232.33694	7717.52414	0.937464562
8850.31921	7931.26453	0.896155758
8508.64554	7781.25633	0.91451175
8054.11296	7523.92336	0.934171571
10284.3821	7413.06544	0.720808054
9034.98617	7477.07645	0.827569219
7958.86697	8035.72371	1.009656744
9146.72821	7508.01609	0.820841717
8808.42856	8003.41366	0.908608568
8237.04405	7808.42854	0.947964887
9914.59651	7060.53455	0.712135339
8807.62899	6995.8378	0.794292971
7899.32223	9132.82607	1.156153122
9642.89956	8472.66046	0.878642405
7690.78199	8364.56632	1.087609339
7693.4756	8893.14839	1.155933788
9715.71206	9947.33824	1.023840371
7672.79875	7364.35442	0.959800284
7907.04768	7736.37996	0.978415747

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7654.46133	8828.47553	1.153376462
7661.15993	7517.42718	0.981238775
7915.32897	8901.14168	1.124544756
8549.99327	6997.04124	0.818368041
8605.55195	7754.859	0.901146033
8362.62381	8725.62975	1.043408139
9088.54609	6813.08914	0.749634658
9434.14598	8392.28643	0.889565038
9926.31163	7195.35437	0.724876936
8030.27242	6469.82107	0.805678903
8902.7682	6876.71886	0.77242479
9143.65548	7564.90021	0.827338718
9118.10714	8717.98644	0.956118009
8182.43466	7865.66769	0.961286954
9279.5472	7336.53792	0.790613783
11388.9934	9403.00606	0.825622222
8377.05849	8694.90509	1.037942507
8234.104	7329.55821	0.890146422
7773.94699	8476.89385	1.090423419
10656.6976	7152.71638	0.671194459
9378.95571	6994.1246	0.745725304
8824.09884	8010.54826	0.907803551
7352.04839	7495.73952	1.019544366
9052.34608	7297.31613	0.806124298
8118.36697	7804.37653	0.961323448
8330.44634	9717.51278	1.166505656
8456.95929	6549.88798	0.774496808
8379.66441	7172.79242	0.855976095
8283.32198	6595.7524	0.796268987
8960.74525	7114.7653	0.793992586
8300.29803	7633.05462	0.919612115
10359.7493	8597.43425	0.829888257
8707.40385	7445.06564	0.855027029
10621.2189	7286.53908	0.686036054
9177.36776	6425.51203	0.700147602
8961.16894	6516.83305	0.727230241
7989.87297	7434.72632	0.930518714
8260.90603	7007.70155	0.84829697
9009.51719	8186.93752	0.908698807
11926.9181	7161.19117	0.600422601
8205.08659	11380.8154	1.387043915
7915.04737	6920.71396	0.874374294
8063.4554	7911.37743	0.981139851
8351.35246	7386.75022	0.884497482
9258.14434	7033.95055	0.759758143
7858.42787	7347.65354	0.935002988
8608.82679	6643.796	0.771742325
8965.53426	7339.48878	0.818633733

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7983.49008	7866.84557	0.985389283
7739.17807	8290.26252	1.071207104
8943.37614	7375.42909	0.824680632
8639.45144	6724.14399	0.778306822
8279.36163	7177.4957	0.866914143
8586.0219	8047.97209	0.937334214
9395.72763	7531.40121	0.801577217
8787.30213	9684.50198	1.102101855
8950.6659	8169.07717	0.912678147
8124.54155	7253.44549	0.892782128
9460.13475	6387.71641	0.675224675
6979.43799	9188.75788	1.316546962
8379.31285	7126.03956	0.85043245
8167.38578	8529.37252	1.044321004
7598.54736	6823.14724	0.897954163
7401.21144	7222.75066	0.975887626
8779.31043	7097.03757	0.808382119
8580.77719	7078.79213	0.824959322
8866.51955	7370.27574	0.831247898
7215.43768	6894.80324	0.955562717
8839.47319	7972.88118	0.901963388
9186.01323	8396.47268	0.914049705
9159.62351	10117.9176	1.104621557
8721.52628	8501.10281	0.974726503
8144.77455	7584.06766	0.93115747
9810.66406	8854.48032	0.902536287
8330.57302	7290.18799	0.87511243
9356.60345	7902.63947	0.844605578
9115.60142	9265.75952	1.016472648
8720.54156	7715.23678	0.884719914
7613.86143	11061.8335	1.452854582
10216.8755	9772.87695	0.956542625
8771.73394	7244.61554	0.825904614
9826.82502	10189.5945	1.03691624
8359.87605	9331.7449	1.116253979
7855.0734	9052.69469	1.152464685
7697.89208	7877.36043	1.02331396
7626.96328	8618.07921	1.129948958
7485.063	7105.97262	0.949353748
10613.0016	7300.30048	0.687863885
7888.75539	6730.6062	0.853189873
8261.57891	7660.19889	0.927207617
8662.09385	6695.38669	0.772952453
8557.3109	7336.53792	0.857341518
8178.83984	8640.54003	1.056450572
8373.70681	7485.74264	0.893958053
10863.1558	6647.41351	0.611922875
8929.63188	9008.46842	1.008828644

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9589.08432	7435.82195	0.775446507
7612.74704	8168.90911	1.073056685
8280.24655	6719.65425	0.811528281
10227.1811	6844.20227	0.669216884
9635.22028	7992.6686	0.829526296
8287.86383	9727.76007	1.173735509
8689.67397	6642.46691	0.76440922
9812.98067	7623.68586	0.776898082
7761.45576	7045.21309	0.907717999
8783.52969	8413.89534	0.957917334
7786.21378	6777.7423	0.870479863
7860.9286	7307.10496	0.9295473
8775.03504	6714.58078	0.765191335
9946.09644	9649.99591	0.970229474
8473.75587	6503.46647	0.767483341
8864.55311	7490.99183	0.845050138
7618.49068	6698.9624	0.87930309
8087.63779	10288.6885	1.272150017
8450.06195	7121.34159	0.842756139
8258.2944	8373.8826	1.013996618
8935.6353	6915.00301	0.773868088
9343.90056	7841.71188	0.839233234
7560.10759	7187.44326	0.950706479
9128.02028	7983.94455	0.874663323
9227.53026	7733.58966	0.838099626
8123.64766	7521.72001	0.925904264
9336.62801	8367.25507	0.896175264
8468.90133	6530.57406	0.771124116
7800.19151	7878.48066	1.010036824
7631.02317	7349.5776	0.963118239
8538.69615	10479.1141	1.227249908
7609.51428	7209.44471	0.947425085
9231.34638	6389.86502	0.692192099
8883.92535	9676.39596	1.089202755
8234.80552	7555.25229	0.917477926
8379.68059	7779.76732	0.928408576
8291.588	7348.39666	0.886247202
9586.22944	8150.2914	0.850208254
8337.93052	8755.80152	1.050116872
8421.77974	9918.95927	1.17777472
8397.71066	8217.09116	0.978491817
9310.26578	7919.19241	0.850587148
11178.4788	7336.10405	0.656270339
7683.82745	10630.5735	1.383499767
7465.54001	8452.17167	1.13215811
7911.47313	8661.66127	1.094822813
8508.00439	7169.95979	0.842731088
7650.73325	8072.05633	1.055069634

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

10245.2684	7839.87627	0.765219219
7919.36392	8586.933	1.084295796
10178.9783	10847.702	1.065696546
8755.52294	8118.72898	0.927269454
10358.5082	8676.36555	0.837607638
8075.86515	7791.34127	0.964768618
7640.38496	6979.04999	0.913442192
8395.83515	7412.19897	0.882842365
8156.79244	7191.38226	0.881643405
8680.18423	8768.27887	1.010148937
8252.58784	7277.13423	0.881800275
11074.167	8189.88376	0.739548516
8857.13646	7571.0311	0.854794451
8775.03504	8573.87762	0.977076169
8344.88295	7115.05371	0.852624747
8760.53128	7135.03167	0.814451937
7607.23627	8393.04209	1.103297148
7688.70511	6823.42366	0.887460705
8279.36163	6862.19219	0.828831074
8286.33961	7039.31299	0.849508144
8594.14891	6853.62477	0.797475683
7672.79875	9136.70751	1.190792018
8915.24529	8583.96794	0.962841476
7951.24226	6851.67044	0.861710687
8790.51436	8201.60146	0.933005866
10378.5827	6587.67287	0.634737237
7444.76796	7973.83684	1.071065866
11252.0154	7824.83243	0.695416082
9380.54212	8043.53441	0.857470102
9333.80224	7780.96136	0.83363255
9290.11035	7171.33736	0.771932419
9211.82107	7415.72512	0.805022706
8386.3443	8567.64464	1.021618518
9419.36417	8567.53274	0.909565932
9131.60637	8893.58721	0.973934579
9760.35376	12435.7728	1.274110869
9728.41577	7372.65427	0.757847366
8933.52676	9120.55077	1.020935071
8962.17354	8435.15995	0.941195784
8223.85496	6906.26442	0.839784318
10588.146	8191.7066	0.7736677
8536.52397	8267.50491	0.968486112
7905.6255	7721.63831	0.976727054
8359.28797	6296.58398	0.753244057
9183.07172	7513.01368	0.818137319
7973.9783	12142.3319	1.522744543
8816.09024	7898.43782	0.895911635
8606.21148	9259.05602	1.075857367

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9210.92266	8719.34656	0.946631177
10410.6575	8668.77463	0.832682723
8903.27697	7825.67722	0.878965941
8573.3839	7521.63591	0.877324053
8226.6934	10806.8528	1.31363262
7768.6749	7154.3498	0.920922794
9415.44833	10068.8315	1.069394806
8794.98144	7677.97815	0.872995379
8435.06295	7260.61299	0.860765715
8237.04405	7077.10315	0.859179956
10429.4878	7807.85662	0.748632799
9403.40618	9856.542	1.048188476
7808.94641	6962.33698	0.891584678
8538.69615	9235.37077	1.081590281
10101.5878	7069.07131	0.699798035
8147.01104	7906.07862	0.970426894
8368.17221	9955.0384	1.189631159
8283.46163	11152.9914	1.346416735
8191.87501	7542.496	0.920728892
8637.95417	7381.0656	0.854492331
8944.55984	7142.68422	0.798550666
8678.04273	7218.11132	0.831767202
8139.6802	7054.83945	0.866721945
7930.13545	8015.62247	1.01078002
9391.41589	7107.04005	0.756759165
8242.32921	7849.5459	0.952345593
9082.0248	8826.42583	0.971856609
8375.90209	6860.12814	0.819031558
7560.10759	9356.112	1.23756334
9949.90679	7450.28026	0.7487789
8175.72327	8534.46359	1.043878726
8330.39185	8243.77817	0.989602688
8061.19326	7778.93992	0.964986159
10056.5179	9197.09941	0.914541143
9426.31119	6812.18584	0.7226778
9358.81349	9402.62462	1.004681269
10020.0345	8331.69668	0.831503792
9378.58566	6930.86349	0.739009457
9336.62801	8249.24857	0.883536172
7668.35537	10078.1035	1.314245761
11126.2366	8929.39556	0.802553093
7746.65556	8107.74638	1.046612479
9915.94447	7075.33293	0.713530915
8602.78893	7276.26795	0.84580338
8971.09371	9095.13938	1.013827262
9378.25759	7717.91643	0.82295846
7438.65129	8037.84475	1.080551358
8410.00355	9271.27914	1.102410847

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8338.90664	8160.21665	0.978571533
9037.94457	9841.22977	1.088879191
8177.28417	8269.24196	1.011245517
8217.56893	7329.55821	0.891937539
9193.49908	8402.35299	0.913945052
8317.70594	8342.97953	1.003038529
8886.96378	7492.57501	0.843097282
9254.91015	7467.85346	0.806907182
10675.7893	7691.40827	0.720453359
9683.0937	7252.54776	0.748990766
8747.56554	7515.98698	0.859208992
9178.43879	6700.46295	0.730022077
8550.17744	8253.07912	0.96525238
9108.53288	6784.00114	0.744796251
8494.13165	9133.47342	1.075268644
11043.9987	7931.26453	0.718151527
8401.19018	7168.52142	0.853274509
8461.1001	6697.05913	0.79151163
8639.38909	6718.33128	0.777639623
8690.11029	9837.88119	1.132077828
7830.93736	7206.37962	0.92024483
10322.1211	8358.07544	0.809724609
8251.42338	8931.59132	1.082430376
7807.55625	7452.53613	0.95452865
8552.9664	6658.24718	0.778472271
8253.12387	7910.52263	0.958488296
8040.35346	8872.49586	1.103495748
7855.0734	6764.71479	0.861190526
8535.90262	8835.96067	1.035152469
10005.3925	7007.70155	0.700392471
8272.88781	8640.021	1.044377877
7313.47941	7508.83702	1.026711993
8030.27242	8460.70759	1.053601565
8775.04561	7666.39494	0.8736587
10559.5573	7527.62939	0.712873575
8506.06408	6757.32231	0.794412345
8640.06557	8738.37555	1.011378383
11301.7911	8020.63746	0.709678436
8775.7571	7713.74635	0.878983575
9615.21874	6602.06917	0.686627039
7605.19514	6347.63659	0.834644801
9088.51767	7666.28282	0.843513001
8099.54835	7046.84418	0.870029275
8246.97363	7859.93414	0.953068907
10345.194	6875.3498	0.66459361
8682.58687	8415.49903	0.96923868
8831.57115	7445.44914	0.843049217
8618.83526	7891.92609	0.915660394

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8333.1238	8681.95178	1.04186041
8209.04019	6738.99812	0.820924002
8785.50752	7396.14354	0.841857289
10214.1137	8092.3312	0.792269543
8511.52002	8913.42425	1.047218855
7851.89683	7462.2697	0.950377962
8167.13038	9217.79445	1.128645439
9932.13025	7679.47447	0.773195102
8636.71703	7328.64692	0.848545448
9437.57605	7973.82181	0.844901463
9599.66392	8249.24518	0.859326456
7678.00346	7121.34159	0.927499137
7795.46386	8343.25231	1.070270154
8691.22513	6576.67862	0.756703287
7568.52594	7039.28442	0.93007337
9900.01034	8097.73586	0.817952263
8665.68188	7116.34415	0.821209946
7916.56324	6296.58398	0.795368368
9465.83492	7840.4212	0.82828628
8390.70035	8856.16387	1.055473739
8116.94949	7953.46048	0.979858319
8379.66441	8306.5092	0.991269912
8210.64815	8770.57341	1.068195013
7671.38581	7163.23156	0.933759784
7915.04737	12235.5078	1.545854015
7694.64802	7464.5236	0.970092925
9970.0066	6748.9587	0.676926202
8377.62144	8169.20216	0.975121904
8892.3294	6639.35795	0.746638777
9206.02272	7250.91827	0.787627675
8028.2618	7929.36633	0.987681584
7690.33546	7075.2631	0.920020087
8114.35871	7052.6591	0.869157915
8263.6319	8098.15147	0.979974854
8046.45703	9175.8236	1.140355758
8616.37768	8292.59848	0.962422817
8184.10454	8733.07516	1.067077665
9925.79429	12260.9894	1.23526531
8222.11115	7199.0593	0.875573094
9610.01728	8470.08366	0.881380689
9215.55758	8221.05149	0.892084002
7627.10195	8156.09732	1.069357323
9738.31205	9861.65591	1.012665836
8497.60661	8097.04855	0.95286225
8482.47279	10822.5285	1.275869527
8762.37428	8625.34433	0.98436155
9437.4136	7151.8926	0.757823372
8717.8792	8806.88259	1.010209294

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

12466.7822	7833.21809	0.62832718
8268.85714	7807.85662	0.94424858
10411.0587	7329.55821	0.704016607
9525.49223	7065.28109	0.741723463
7681.81152	6914.03611	0.900052818
7381.5022	7175.30436	0.972065599
8832.42516	7080.39313	0.801636357
8435.02172	7273.49688	0.862297351
10586.3733	8463.62111	0.799482586
8193.99248	6738.99812	0.822431573
7955.32792	7655.51861	0.962313394
9289.84835	8375.0651	0.901528721
8097.68977	6938.87707	0.856895889
8351.35246	7410.96409	0.887396877
7628.80286	8235.98352	1.079590556
8495.68115	9744.20236	1.146959518
8256.82159	7173.21424	0.868762169
8078.51327	7185.91851	0.889510021
8042.07546	7138.24625	0.887612444
7713.83442	10397.3281	1.347880643
7950.38828	7305.92109	0.918938904
10948.3865	7180.76839	0.655874577
10217.9664	10272.6715	1.005353816
7292.72231	7689.75173	1.054441867
8620.2846	6895.19482	0.799880183
8488.93825	9892.57305	1.165348688
7572.68465	10908.0043	1.440440853
8086.08254	7144.56707	0.88356346
9421.57618	6823.14724	0.724204433
8152.78154	7329.55821	0.899025465
8893.97705	8063.37354	0.906610563
9500.58269	6949.25473	0.731455633
9757.31941	8773.95452	0.89921772
10102.5782	8562.35145	0.847541222
8801.24489	7440.41771	0.845382421
7884.22943	7579.22023	0.961314013
8167.38578	7143.90445	0.87468679
8034.7244	7463.68732	0.928928853
7789.14529	8229.60433	1.056547801
8818.7537	7070.32642	0.801737598
8191.41713	7115.19278	0.868615608
8745.37478	8147.22619	0.931604007
9744.3477	8867.65545	0.910030688
8218.68951	9521.90996	1.158567913
7826.71515	7142.68422	0.912603063
8096.57505	9677.6923	1.195282233
8329.30318	7897.43273	0.948150471
9902.41308	6535.52411	0.65999308

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8100.97919	7391.38657	0.912406562
8467.26489	9696.70183	1.145198828
9039.0211	7578.10833	0.838377104
8455.41516	7400.46642	0.875233951
8724.67194	7477.39711	0.857040489
8184.26377	8991.94058	1.098686556
7654.46133	8031.3481	1.04923753
7570.95331	8526.47121	1.1262084
9331.42028	7634.01461	0.818097822
8933.52676	8472.6722	0.94841292
8030.27242	10022.4994	1.248089586
8303.39882	8378.00583	1.008985116
8686.54757	6834.42567	0.786782737
8422.77327	8627.20917	1.024271804
8764.87432	7745.79877	0.88373187
7540.78768	8196.68588	1.086980065
8366.94296	7213.57885	0.862152268
10979.0733	9724.32611	0.885714652
8212.61846	8023.54328	0.976977479
8623.15208	7879.62235	0.91377518
8718.24875	7351.16901	0.843193309
11198.5508	8263.80431	0.737935156
8368.726	7949.83262	0.949945382
9542.61623	7028.66562	0.73655541
8786.59198	7075.33293	0.805242004
9481.6684	7589.66317	0.800456506
8448.10439	8264.41439	0.978256661
9558.60789	7027.521	0.735203397
8396.03187	7130.0921	0.849221658
8535.10668	9883.74432	1.158010638
7902.10702	7416.0008	0.938483974
8748.90798	7896.81575	0.902605875
9324.79761	8302.25904	0.890342008
7889.35964	8031.16721	1.017974536
11087.383	7253.77796	0.654237161
8644.92435	7463.37129	0.863324073
10668.178	7588.53251	0.71132414
8420.20132	8094.54751	0.961324701
10289.8842	8048.7487	0.782200121
9873.90653	7372.65427	0.746680582
8252.58784	9407.67781	1.139967001
9204.78482	8779.90018	0.953840894
8076.0669	8279.12331	1.025142983
8424.80828	6947.76425	0.824679212
8547.6517	6698.9624	0.783719627
7401.66503	7082.24819	0.956845273
10023.4792	7679.47447	0.766148591
12846.9241	7449.11868	0.579836748

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9683.0937	9688.94424	1.000604202
10894.0905	8597.30424	0.789171359
7524.00659	7065.54783	0.939067204
8591.77573	8255.58465	0.960870594
8001.83273	8977.70608	1.12195623
9823.53404	8193.37454	0.834055697
8587.67715	7494.93196	0.872754276
8044.75586	10027.0457	1.246407702
7860.2243	8023.54328	1.020777903
8653.48401	10455.0187	1.208186052
8521.28067	7152.98556	0.839426118
7778.22976	8029.92999	1.032359578
7907.23603	7584.45716	0.959179305
9699.45862	7172.84252	0.739509574
8123.13203	7574.1763	0.932420682
8037.54592	6980.04484	0.868429855
7881.50812	10384.0067	1.317515193
7621.13211	6535.52411	0.857552922
10067.9078	7053.96489	0.700638604
9810.66406	8426.75908	0.858938704
7916.43988	8174.38017	1.032582864
8250.97489	7173.21424	0.86937778
10082.1419	8719.87315	0.864883004
8489.32427	9009.05393	1.061221559
7305.09044	6915.00301	0.946600602
7916.56324	10570.4425	1.335231228
7583.55474	8526.47121	1.124337004
8095.75566	7632.41415	0.942767355
8544.8958	7928.68794	0.927885854
8807.33956	7364.29265	0.836154051
8184.26377	6981.09359	0.852989808
10062.5204	6781.11301	0.673898065
7962.95968	7452.04474	0.935838563
8541.43963	7813.50872	0.914776556
12657.0785	8315.63245	0.656994615
8026.32338	8272.54587	1.030676872
8190.18865	6799.51589	0.830202597
8210.52012	9676.39596	1.178536295
8691.59446	7154.3498	0.823134333
8139.03086	9418.18339	1.157162757
9932.13025	6644.90278	0.669030975
9337.8539	8310.7994	0.89001172
9521.21579	8262.09243	0.867756032
8623.5203	9364.80422	1.08596071
8317.70594	12621.4319	1.517417423
8163.2796	8412.9018	1.030578666
8724.00462	7373.87007	0.845239129
8571.54903	6799.51589	0.793265705

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7583.55474	7576.57303	0.999079363
8397.73612	7824.7016	0.931763213
8189.56433	7091.69973	0.865943467
7431.32508	7440.76058	1.001269694
7720.01842	9591.41308	1.242408057
8844.08806	7546.69053	0.853303413
7572.68465	8287.17554	1.094351068
8227.95741	6963.26174	0.846292875
7800.34607	7593.2953	0.973456207
8120.64427	6569.442	0.808980394
7738.71473	9209.48287	1.190053282
8482.78419	8717.20842	1.027635293
8777.56175	8105.56345	0.923441347
7891.46444	8469.76038	1.073281195
8455.35723	7565.44132	0.894751235
8041.8872	7954.32565	0.989111815
8685.86385	7231.98493	0.832615507
10126.1547	7232.1877	0.714208688
8348.82516	7817.4971	0.936358943
8191.72765	6793.2209	0.829278167
8721.52628	8887.11925	1.018986696
8659.2291	8514.72411	0.983312026
9905.14847	7981.85851	0.805829265
11163.6356	8047.57965	0.72087445
9293.59225	6999.43987	0.753146866
8605.08915	6722.33478	0.781204548
7838.31408	8048.1895	1.026775582
8463.76491	6860.12814	0.810529146
9465.36426	7504.59294	0.79284777
7966.79467	7998.35424	1.003961389
8189.56433	7907.50191	0.965558312
8832.45572	7965.41374	0.901834552
7969.47923	7880.70592	0.98886084
8947.70657	7369.95716	0.823669964
8817.81189	8404.7889	0.953160377
9223.28712	6774.22334	0.734469529
8884.43913	7257.20199	0.816844135
7469.37619	7917.16147	1.059949489
9538.24435	7627.86856	0.799714106
8261.31457	8475.31339	1.025903725
8655.67809	7416.09437	0.856789531
7684.97768	8793.70672	1.144272254
7993.69909	7254.1769	0.907486861
9883.79134	6714.58078	0.679352745
8703.5481	7222.08755	0.829786595
7962.99416	7669.55383	0.963149498
8206.07714	7981.71287	0.972658766
8684.48621	8847.98403	1.018826423

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7575.59768	11938.0133	1.575851011
8178.78949	7375.42909	0.901775146
8670.51487	8940.45879	1.031133552
9768.83386	7631.34762	0.781193306
8171.657	8211.56816	1.004884096
10084.6105	8583.96794	0.851194794
8042.07546	7126.03956	0.886094591
10582.8007	8804.37641	0.831951455
7479.48244	8561.68443	1.144689422
9245.48075	9125.67764	0.987041981
8573.3839	7733.69968	0.902059183
7901.7497	6658.95337	0.842718844
10565.7476	6469.09854	0.612270779
7749.24832	7305.67356	0.942758995
7926.66151	7521.99604	0.948948813
9838.27916	7624.34781	0.774967623
7775.07974	7786.02535	1.001407781
7843.85238	8160.21665	1.040332768
8061.86891	8551.66299	1.060754409
9295.84719	7777.95024	0.83671236
7637.94374	6670.46246	0.873332232
8086.06943	7245.72985	0.896075642
8156.79244	7733.3024	0.948081303
8232.0174	7409.46007	0.900078281
8335.42208	7052.70314	0.8461123
10089.6706	7652.1664	0.758415881
8948.51811	8117.44656	0.907127467
8181.01363	7479.14284	0.914207356
9487.58874	6722.33478	0.708539858
10403.4501	7206.15214	0.692669456
8580.28999	8288.52235	0.965995598
10517.925	8264.41439	0.785745704
10201.256	7323.26907	0.717879161
7735.37677	8473.23576	1.095387595
8734.04495	6578.15174	0.753162113
8721.52628	7326.08048	0.839999817
8232.0174	8363.65199	1.015990562
8655.32804	7626.86204	0.881175388
10517.6239	7213.58328	0.685856745
9434.56337	6851.44464	0.72620686
8213.20497	9071.55317	1.104508314
8559.26521	7907.00297	0.923794598
8022.29015	7703.87505	0.960308703
8686.22304	6969.02583	0.802307953
9815.72978	7435.59961	0.757518777
8862.80146	7074.57856	0.798232771
8291.96835	7545.47364	0.909973763
8447.57532	6971.00253	0.825207502

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8056.76777	7429.93876	0.922198451
8456.40889	7187.52082	0.849949537
9250.4182	7270.7585	0.785992411
8662.1856	7457.23341	0.860895131
11104.3027	8033.87474	0.723492055
8605.458	6915.75536	0.803647565
7451.80126	9181.50341	1.232118664
8734.69856	7650.00473	0.87581783
9573.4069	8080.0257	0.844007341
7575.59768	7410.51263	0.978208314
10140.4105	8023.19117	0.791209705
8322.38771	6764.71479	0.812833411
8419.0825	7499.58882	0.890784575
7659.2084	7955.1842	1.038643133
8447.36019	7549.30573	0.893688154
7824.19676	6591.0881	0.842398051
7504.90337	8460.98172	1.127393826
7469.37619	6953.81599	0.930976807
7727.79358	7794.23878	1.00859821
8248.85068	8040.63025	0.974757643
7628.80286	7846.70581	1.028563191
8149.50294	8960.48217	1.099512724
8867.72809	6849.55726	0.772413993
7435.20283	7364.39616	0.990476834
8303.53968	7496.50225	0.902808023
7954.20201	8481.82261	1.066332311
8495.49493	9297.98744	1.094460949
8655.87782	7589.66317	0.876821892
8408.67194	8394.1913	0.998277891
8639.29231	7261.79058	0.84055387
11189.9651	7919.26533	0.707711352
8893.69397	7486.22044	0.841744776
7605.13788	7080.391	0.931001003
8666.27832	8658.45669	0.999097463
8356.30139	6717.20941	0.803849587
9901.96964	8269.24196	0.835110817
8926.41926	7280.58304	0.8156219
8380.03001	9163.64528	1.093509842
9569.3947	8395.47769	0.877325886
8797.90961	7894.91797	0.897362933
7781.9218	6849.32485	0.88015853
8285.17184	6595.7524	0.7960912
7249.46396	7310.97891	1.008485449
9495.80951	8287.59956	0.872763881
9243.08268	6877.90281	0.744113523
9518.02394	6823.51273	0.716904346
8272.25148	6648.47502	0.80370804
8330.57302	8146.42984	0.977895497

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8748.90675	7596.57165	0.868288104
10154.2647	7009.88213	0.690338725
7482.09019	7626.17376	1.019257128
9683.91722	7934.50718	0.819348927
9398.76863	9086.62594	0.96678898
7670.79185	7760.83838	1.011738884
7914.68131	7221.55765	0.912425575
8630.13222	8099.05446	0.938462384
9433.84169	7985.02747	0.84642373
8236.02749	7172.22844	0.870835903
10047.0162	10262.4754	1.021445095
8589.24765	7489.08736	0.871914242
7907.23603	7210.46426	0.911881754
9268.37566	8424.10793	0.908908771
8418.49901	7762.84736	0.922117749
8957.80842	7956.01521	0.888165368
8946.31557	8316.32516	0.929581021
7910.94141	7517.25214	0.95023484
8854.84569	7086.99046	0.800351662
7605.99125	7880.70592	1.036118194
8005.81711	7122.55836	0.889672879
12383.2339	8077.93529	0.652328412
7537.27569	8990.50717	1.192805933
8453.60523	8177.21153	0.967304636
8570.52086	7462.2697	0.870690338
7916.56324	7027.521	0.88769846
9346.30298	6873.48329	0.735422691
8153.57336	9259.64377	1.135654683
8447.80165	8585.78246	1.016333338
8462.61316	8731.68846	1.03179577
9272.88006	10219.491	1.102083814
8464.78063	8604.07901	1.01645623
8500.66491	7275.71943	0.855900039
8634.91231	7275.22134	0.842535637
7863.87825	7280.58304	0.925826013
7824.19676	7887.19502	1.008051722
9800.64145	7080.26053	0.722428278
8564.68017	7026.5085	0.820405241
7744.81506	7745.79877	1.000127016
7476.42664	9104.35851	1.217741971
8943.57066	6837.33042	0.764496719
7962.95968	8127.42218	1.020653439
8779.31043	7271.45904	0.82824945
7983.49008	6772.57642	0.84832277
8532.52351	8475.65287	0.99333484
7373.26276	7934.61081	1.076132923
8696.80089	7932.21296	0.912084003
7789.45145	6718.33128	0.862490937

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9346.22384	6571.59047	0.703127871
9166.36689	8194.38623	0.893962278
8837.03977	7512.53978	0.850119494
9084.25703	7995.71139	0.880172299
9009.57584	10253.8556	1.138106362
8513.37943	7612.35574	0.894163805
8237.04405	7445.79281	0.903939904
8215.39554	6542.76484	0.796402901
8844.08806	8060.04944	0.911348845
8737.89264	7454.17874	0.853086557
7929.33733	7669.13769	0.967185197
8078.51327	7853.69999	0.972171454
9147.82324	6925.76574	0.7570944
7962.60376	9124.11083	1.145870258
8415.63592	7220.12143	0.857941277
9292.76463	8186.93752	0.881001278
8215.67343	8173.91376	0.994917072
8379.66441	8741.86488	1.043223745
9632.36838	7478.71563	0.776415035
8675.58179	7745.79877	0.892827589
9331.54883	6516.83305	0.698365638
8285.17184	6963.01604	0.840419025
8758.6931	8043.88187	0.918388368
10311.5174	9919.43867	0.961976623
8344.93328	8300.59924	0.99468731
8167.13038	7758.03859	0.949909972
9220.68294	8054.18178	0.873490806
7652.74735	7083.99451	0.925679914
8320.0679	8008.59095	0.962563172
8545.94675	7457.19444	0.872600152
8231.41514	7103.10175	0.862925952
8457.77819	6383.79112	0.754783465
8643.36213	7830.19597	0.905920155
9086.10131	6813.08914	0.74983636
7522.31991	9086.15952	1.20789326
8209.50136	7200.1573	0.877051722
8693.8019	6824.76935	0.785015512
11163.6356	10607.3519	0.950170027
9683.77245	8715.06467	0.899965867
8201.40374	7234.01159	0.882045539
8135.50197	6591.0881	0.810163666
9020.76571	7156.5525	0.793342021
7855.70914	7025.38968	0.89430369
9265.6758	7417.52404	0.800537835
8057.5693	7118.16382	0.883413292
9671.13386	6951.18595	0.718756048
8462.36902	9385.41425	1.109076457
8630.34974	8167.6672	0.9463889

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8203.55977	10495.6735	1.279404766
10400.6854	7709.072	0.741208075
8323.23616	6974.6394	0.837972066
10559.5573	7130.23349	0.67523981
7598.54736	7949.94521	1.046245398
8691.15772	7498.35675	0.862756953
8100.38806	6811.52393	0.840888594
8477.8464	8589.82384	1.013208241
8290.95629	7819.52371	0.943138937
10039.2576	6716.06819	0.668980562
9116.09308	8312.35807	0.911833392
8182.03332	7488.03734	0.9151805
8817.81001	7219.34898	0.818723579
8577.78629	7283.94096	0.849163259
9961.23404	6601.87156	0.662756395
7467.05176	7332.2604	0.981948516
7673.26763	9483.64578	1.235933143
9570.35329	8292.65829	0.866494479
7864.74238	8120.78496	1.032555748
8210.06526	8319.86164	1.013373388
10067.8707	7859.48904	0.780650576
8253.05974	6605.70349	0.800394484
7127.82082	7474.00563	1.048568113
10527.8198	12125.4596	1.151754095
7905.16348	7509.35276	0.949930104
8246.97363	7971.425	0.96658791
8516.49001	8052.81909	0.945556102
7446.89909	8332.69524	1.118948322
7953.85602	7839.83348	0.985664495
8905.63297	6876.80611	0.772186113
7301.38302	6464.10131	0.885325601
8885.37455	8097.73586	0.911355601
8272.9572	7828.83458	0.946316341
8781.2935	9330.24626	1.062513884
9347.07296	7451.62149	0.797214434
9314.59632	7007.82009	0.752348233
9518.02394	8181.50147	0.859579838
10129.028	7770.43413	0.76714509
8237.81882	8246.5818	1.00106375
8720.54156	6881.13182	0.789071616
11091.9413	7567.27417	0.682231721
9190.31408	6698.48143	0.728863168
8463.63587	7854.9672	0.928084256
9294.27587	6518.88722	0.701387317
10557.5226	7137.01214	0.676012016
7856.75786	9693.36443	1.233761383
7525.30424	9949.14249	1.32209173
8974.34776	7374.46504	0.821727132

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9433.99984	7423.30544	0.786867243
8222.62587	8841.15511	1.075222836
8596.9509	8018.78789	0.932747899
8329.90331	7451.67956	0.894569755
8290.54227	8552.64149	1.031614244
8293.75703	7561.27601	0.911682846
8866.26703	7322.52762	0.825886204
8768.60805	7694.90832	0.877551862
7494.27076	7207.24514	0.96170066
8266.54916	7622.49478	0.922089089
8139.81335	8481.82261	1.042016843
8404.44864	8332.69524	0.99146245
9735.0728	7769.02808	0.798045196
8460.91187	6754.84688	0.798359205
7831.97261	8332.85732	1.063953837
9768.64144	7665.6175	0.784716846
9028.88887	6625.19842	0.733777822
9075.95869	7617.50501	0.839305826
10411.6277	7027.521	0.674968529
8490.07299	10397.326	1.224645068
8577.88846	8001.61574	0.932818814
7467.05176	7298.05923	0.977368239
9138.18051	8137.34263	0.890477335
9984.7232	7547.84764	0.755939598
9098.9553	6885.81373	0.756769706
7827.12668	8195.0691	1.047008619
7454.76616	8664.55305	1.16228368
9882.09119	7096.37775	0.718104864
7905.16348	7775.87541	0.983645111
8182.9539	10890.983	1.3309354
8659.24469	9699.49278	1.120131504
8201.40374	6960.25385	0.848666164
8129.84303	8137.35418	1.000923898
8236.84314	10794.5241	1.310517134
9121.11803	8550.6408	0.937455339
10097.3144	8275.76139	0.819600248
8508.27385	6518.89774	0.766183348
8668.4239	7435.20259	0.857734079
7858.42787	8173.0119	1.040031421
8248.03531	7918.51712	0.960048886
9841.74226	6862.01725	0.697236025
7912.22378	8187.21004	1.034754611
8996.63465	8589.4893	0.954744705
8336.495	8387.17575	1.006079384
9656.9336	6823.42366	0.706582849
9319.79335	8047.97209	0.863535466
8524.2011	7164.71634	0.840514701
8121.55472	8691.55533	1.070183681

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

8484.59563	9776.01897	1.152208001
7746.65556	8727.79399	1.126653163
8252.3999	8980.52947	1.088232463
7991.22713	7932.21296	0.992615131
8055.47804	7438.82252	0.923448923
8156.59787	8310.8691	1.018913674
7683.82745	8618.52466	1.121644743
8703.06016	8646.84313	0.993540545
9116.09308	6648.47502	0.729311885
8620.2846	8311.38864	0.964166385
9166.14906	7549.27668	0.823603962
8432.03065	7106.08316	0.842748734
8448.06826	8807.04805	1.042492529
7812.139	7166.55064	0.917360872
8623.15208	7468.89991	0.866144983
8927.90483	8269.24196	0.92622425
7945.0793	6651.90172	0.837235409
10057.749	7779.67234	0.773500344
8030.27242	8005.91203	0.996966432
9550.83454	7424.28766	0.777344391
7519.17645	7468.82345	0.99330339
8285.44941	7084.33118	0.855032821
8779.31043	8126.89898	0.925687621
7560.10759	8312.79074	1.099559847
8928.61235	7330.69117	0.821033648
9020.76571	8194.38623	0.908391426
8275.20958	7787.88083	0.941109799
7304.10532	7515.38156	1.028925684
8297.721	7077.17484	0.852905856
9904.32033	10457.9126	1.055894019
9624.36597	6569.81743	0.6826234
8552.53951	7771.7543	0.908707208
9925.8924	7152.98556	0.720639038
7744.81506	7377.62451	0.952588855
7639.10364	7264.20272	0.95092344
9301.06463	7482.01961	0.80442615
7730.9624	7140.77476	0.923659227
8258.2944	6940.17488	0.840388408
9307.63988	6704.4685	0.720318855
8293.15898	7129.89757	0.859732411
8171.13547	6915.42815	0.846324012
8781.19558	8026.30573	0.914033363
9321.54987	7113.25084	0.76309744
9102.7507	7727.36856	0.848904777
7769.12675	6773.40834	0.871836509
7599.48156	7904.33491	1.04011502
10907.0263	9995.72097	0.916447868
10267.153	8996.73435	0.876263782

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9996.02486	10986.3852	1.099075423
8262.63775	8436.35505	1.021024436
8847.78123	10082.3824	1.13953794
8120.9164	7621.70979	0.93852829
9294.67171	8933.98232	0.961193961
7995.1208	6718.23615	0.840292014
8393.61383	8023.54328	0.955910463
9484.82274	8337.02246	0.878985584
7683.14597	8591.38016	1.118211237
9073.94791	7014.89141	0.773080415
8353.81404	7069.07131	0.846208842
8201.06599	9270.03134	1.130344683
8090.33186	7478.137	0.924330068
9470.55197	7984.43579	0.8430803
8760.34667	8603.90321	0.982141865
8878.15708	7147.22536	0.805034794
7249.46396	10654.2778	1.469664221
9424.37649	8016.92903	0.850658825
7950.38828	10604.6892	1.333858022
10323.8739	7848.0876	0.760188249
9486.19246	8410.81125	0.886637214
9252.41765	7329.55821	0.792177621
8522.36829	7248.81589	0.850563557
7571.00813	7616.45172	1.006002317
8841.69981	8047.97209	0.910229058
9135.04351	9978.26053	1.092305747
7907.5175	7297.34238	0.922836072
9631.58585	7918.62464	0.822151696
8121.55472	7250.34095	0.892728202
8807.24147	10356.689	1.175928809
8117.0824	8997.97464	1.108523259
7677.63226	7346.22774	0.956835062
9577.23207	7749.76533	0.809186336
9105.5061	9336.6703	1.025387298
8786.1954	7120.27994	0.810393989
9597.73354	10472.9099	1.091185728
7937.92719	7558.65865	0.952220707
7855.0734	8018.20108	1.020767175
8114.79014	8515.36198	1.049363179
8596.55989	8162.24405	0.949477949
8722.62568	9138.2337	1.047647123
8074.72585	8330.17815	1.031636033
8637.90686	7446.69099	0.862094384
8067.34715	7168.52142	0.888584722
8451.3179	7313.61059	0.865381077
8508.00439	8666.9116	1.018677378
10995.2533	7271.37416	0.661319388
7636.50989	7193.13744	0.941940434

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

7683.14597	10462.3991	1.36173374
8926.72049	8451.24568	0.946735779
9397.04449	7395.90395	0.787045752
9992.58555	6763.02123	0.676803936
8623.15208	9541.30981	1.106475883
8846.74691	7378.7885	0.834068
11272.8689	8309.57487	0.737130442
7838.31408	7888.72405	1.006431225
8942.93578	8501.4976	0.950638337
9851.36404	7665.36881	0.778102278
7730.83352	7296.02939	0.943757148
7710.88824	7300.92867	0.946833677
8413.71874	10839.8224	1.288350937
8448.32804	7248.73594	0.858008343
8405.42866	7033.95055	0.836834245
8337.93052	8563.40162	1.027041614
7292.72231	8035.39517	1.101837535
7380.66	7915.49601	1.072464525
7993.84737	8744.94239	1.09395914
10881.3505	7323.45583	0.67302821
8521.79637	7341.5768	0.861505776
7895.2827	8450.85218	1.070367269
12155.0861	7133.7797	0.586896683
7204.4241	7564.90021	1.05003538
11244.0142	7757.31371	0.689906074
8263.16153	7631.14135	0.923513516
9641.28687	7476.7133	0.775489144
9349.54141	8375.57026	0.895826853
8417.30984	6690.66835	0.794870151
7372.73386	8249.40737	1.118907522
8247.03164	7824.68079	0.948787531
9293.88219	7359.79768	0.791897028
8526.61349	7631.40288	0.895009828
8488.01572	8264.99181	0.973724848
9349.12687	7675.54825	0.820990918
7195.71168	6999.1828	0.972688055
8747.98251	8698.1966	0.99430887
8303.53968	6639.35795	0.799581649
8108.07927	8038.86167	0.991463132
10198.8554	7061.10372	0.692342761
8132.58055	9047.96186	1.112557299
9003.20328	9304.58025	1.033474416
7699.02407	7149.81508	0.928665116
7713.83442	7050.58675	0.91401842
10187.8005	7917.7055	0.777175161
8429.17156	6913.1311	0.820143599
9470.82814	7397.96544	0.781131843
8100.38806	9666.21055	1.193302157

Supplemental_Table_S1.xlsx - bootstrap_norms_samples

9067.83167	7243.29875	0.798790606
7291.38413	8288.49325	1.136751694
8671.09708	7339.15808	0.846393254
8579.54923	8753.24208	1.020244986
8090.36762	8930.46807	1.103839589
8786.59198	7440.37366	0.846787205
9901.96622	7070.32642	0.714032572
8416.04034	8328.24193	0.989567729
8185.06727	7710.57517	0.942029542
7791.01854	8419.49557	1.080666864
9112.65182	6642.46691	0.728927983
8490.90675	6935.42293	0.816805924
8227.4558	7756.59409	0.942769464
10268.8712	7779.76732	0.757606863
8725.13548	7397.53177	0.847841479
8548.82836	8655.6504	1.012495518
9261.33071	6986.50514	0.754373789
8525.2415	6180.20974	0.724930753
7323.44419	8752.52635	1.195137988
8762.97602	8512.90587	0.971462874
9132.94404	8214.85091	0.89947457
9338.75622	7236.98473	0.774940962
8299.49262	7731.772	0.931595744
7852.67105	7017.29659	0.893619069
8697.5263	7590.98477	0.872775144
7323.44419	7174.47161	0.979658126
8566.52438	7017.26306	0.819149371
7688.70511	6673.77932	0.867997827
8695.40703	7786.02535	0.895418158
10933.8784	7130.91973	0.652185755
8807.33956	8511.07619	0.966361764
8865.27139	9894.95981	1.11614855
8411.44526	8629.96611	1.025978989

Supplemental_Table_S1.xlsx - angle_permutation

analysis	observed_theta	null_mean_theta	null_lo	null_hi	p_more_aligned	n_perm
raw_labelperm	87.48624283	89.98434647	88.979672	90.97186	9.999E-05	10000
zscore_labelperm	86.9755714	89.95511409	88.95948	90.95772	9.999E-05	10000
raw_signflip	87.48624283	90.01194897	88.806907	91.24335	0.00019998	10000

Term	Df	SumOfSqs	R2	F	Pr(>F)
Model	3	4.353855638	0.410204	3.709342	0.0002
Residual	16	6.260022507	0.589796		
Total	19	10.61387815	1		

Supplemental_Table_S1.xlsx - PERMANOVA_pairwise

group1	group2	R2	p	p_adj_holm
siCON	siCON+oxLDL	0.343699	0.0086	0.043
siCON	siLMOD1	0.27177	0.01	0.043
siCON	siLMOD1+oxLDL	0.286273	0.009	0.043
siCON+oxLDL	siLMOD1	0.374433	0.0086	0.043
siCON+oxLDL	siLMOD1+oxLDL	0.361986	0.0088	0.043
siLMOD1	siLMOD1+oxLDL	0.260423	0.0064	0.0384

Supplemental_Table_S1.xlsx - MDS_eigenvalues

component	eigenvalue	prop_abs
1	0.00401331	0.42800655
2	0.00357838	0.38162287
3	0.00178506	0.19037058
4	2.6021E-18	2.775E-16

Supplemental_Table_S1.xlsx - MDS_fit_stats

GOF_cmdscale_component	GOF_cmdscale_cumulative	prop2_pos_eigs	strain_RMSE
0.809629425	0.809629425	0.809629425	0.178142295

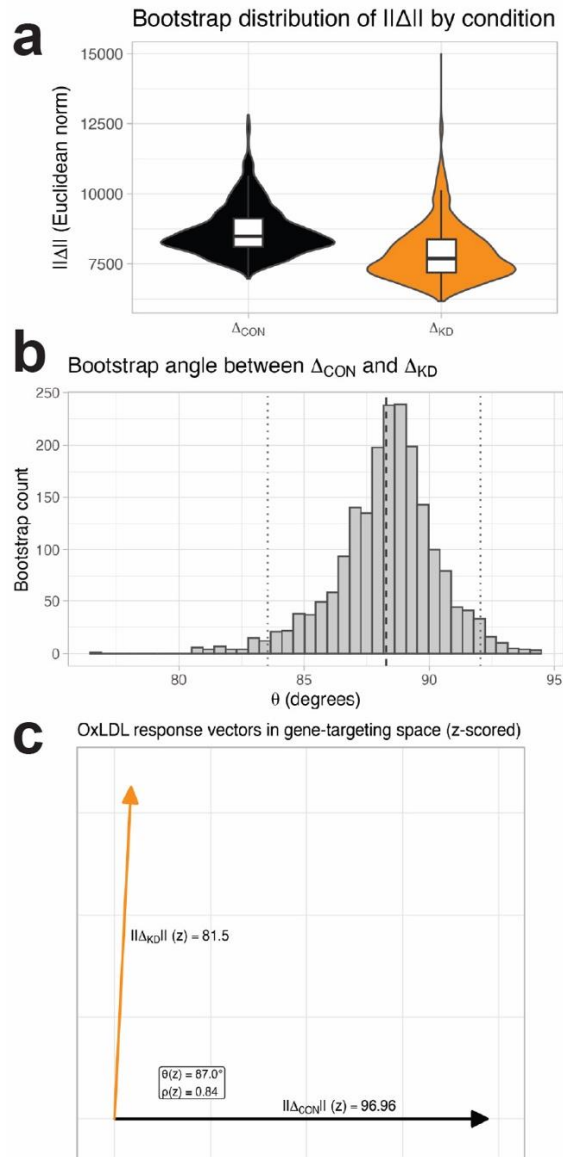
Supplemental_Table_S1.xlsx - MDS_stress

stress1	sstress
0.135837	

Supplemental_Table_S1.xlsx - MDS_smacof_coords

D1	D2	state
-0.058149976	0.633392487	siCON
-0.649324504	-0.171782352	siCON+oxLDL
0.671734003	-0.061133256	siLMOD1
0.035740477	-0.400476879	siLMOD1+oxLDL

Supplementary Table S1. Statistical and diagnostic summaries supporting gene-targeting network analyses. This .xlsx workbook contains supplemental statistical outputs for the PANDA/LIONESS-inferred gene-targeting analyses shown in Figure 4 and Supplementary Figure S2. **CAMERA_4C** reports competitive gene set tests assessing whether siCON-defined increased- and decreased-targeting gene sets show coordinated directional enrichment following oxLDL treatment in siCON and si*LMOD1* cells. **zscore_sensitivity_4E** reports raw and gene-wise *z*-scored vector metrics, including the angle between genotype-specific oxLDL response vectors, vector magnitudes, and attenuation ratios. **bootstrap_theta_stats** and **bootstrap_theta_samples** summarize sample-level bootstrap estimates of the angle between Δ_{CON} and Δ_{KD} , whereas **bootstrap_norms_stats** and **bootstrap_norms_samples** summarize bootstrap estimates of $\|\Delta_{\text{CON}}\|$, $\|\Delta_{\text{KD}}\|$, and the attenuation ratio. **angle_permutation** reports the observed inter-vector angle, the permutation-null mean and 95% interval, and one-sided permutation *p*-values for the raw, *z*-scored, and sign-flip nulls. **PERMANOVA_global** and **PERMANOVA_pairwise** report omnibus and pairwise PERMANOVA tests performed on sample-wise dissimilarities calculated as $1 - \text{Pearson correlation across genes after gene-wise } z\text{-scoring}$, with pairwise *p*-values adjusted using the Holm method. **MDS_eigenvalues**, **MDS_fit_stats**, **MDS_stress**, and **MDS_smacof_coords** provide diagnostic outputs for the two-dimensional MDS representation of condition-level gene-targeting states, including eigenvalues, goodness-of-fit metrics, strain RMSE, SMACOF stress, and SMACOF coordinates.



Supplementary Figure S2. Robustness and diagnostics for network analyses. **(a)** Bootstrap distributions of the Euclidean magnitudes of the oxLDL response vectors, $\|\Delta\|_2$, for siCON and si*LMOD1* conditions. The mean attenuation ratio, defined as $\|\Delta_{\text{KD}}\|_2 / \|\Delta_{\text{CON}}\|_2$, was 0.92 with a 95% confidence interval of 0.68-1.27, indicating no strong evidence that *LMOD1* knockdown simply reduced the overall magnitude of the oxLDL gene-targeting response. Thus, the altered response observed in *LMOD1*-deficient cells is unlikely to reflect simple attenuation of oxLDL responsiveness. **(b)** Bootstrap distribution of the inter-vector angle θ between Δ_{CON} and Δ_{KD} . The mean angle was 88.3° , with a 95% confidence interval of 83.6° - 92.1° , indicating that the oxLDL-induced gene-targeting response in si*LMOD1* was nearly orthogonal to the response in siCON. Together with the magnitude analysis in **(a)**, this supports the idea that *LMOD1* knockdown redirects rather than simply attenuates the oxLDL gene-targeting response. **(c)** Angle analysis using z-scored change vectors $\Delta(z)$, calculated by gene-wise standardization within genotype before forming oxLDL response vectors. The z-scored response magnitudes were $\|\Delta_{\text{CON}}\|_2(z) = 96.96$ and $\|\Delta_{\text{KD}}\|_2(z) = 81.5$, with an angle $\theta(z) = 87^\circ$, showing that the directional separation between siCON and si*LMOD1* oxLDL responses was qualitatively unchanged after scaling.

Supplementary Table S2. List of TaqMan probes.

Gene	Taqman Probe ID/Primer Sequence	Application
<i>LMOD1</i>	Hs00201704_m1	Quantitative RT-PCR
<i>LDLR</i>	Hs01092524_m1	Quantitative RT-PCR
<i>BMP2</i>	Hs00154192_m1	Quantitative RT-PCR
<i>B-Actin</i>	Hs01060665_g1	Quantitative RT-PCR