S1PR3 fluorescent staining analysis							
		Researcher 1			Researcher 2		
CAD/nonCAD	Patient ID	area (based on CD31)	mean (Red signal)	S1PR3 mean/area	area (based on CD31)	mean (Red signal)	S1PR3 mean/area
CAD	14499	0.239	7.286	30.48535565	0.392	6.275	16.00765306
CAD	14499	0.604	16.604	27.49006623	0.47	16.362	34.81276596
CAD	G0SU84XC62	0.85	9.47	11.14117647	0.951	8.414	8.847528917
CAD	G0SU84XC62	0.804	8.432	10.48756219	1.155	7.245	6.272727273
CAD	G7NF16AK55	1.013	19.836	19.58144126	1.032	19.333	18.73352713
CAD	13303	0.972	10.948	11.26337449	0.729	10.262	14.07681756
CAD	14536	1.35	10.901	8.074814815	1.176	10.748	9.139455782
nonCAD	14097	0.802	9.819	12.24314214	0.735	10.209	13.88979592
nonCAD	14547	2.164	10.882	5.028650647	1.728	11.843	6.853587963
nonCAD	15304	1.359	9.278	6.827078734	1.024	8.95	8.740234375
nonCAD	15304	1.366	9.709	7.10761347	1.024	9.035	8.823242188
nonCAD	15328	1.193	10.713	8.979882649	1.01	11.1	10.99009901
nonCAD	C165	1.509	11.576	7.6713055	1.452	11.439	7.878099174

S1PR1 fluorescent staining analysis							
		Researcher 1			Researcher 2		
CAD/nonCAD	Patient ID	area (based on CD31)	mean (Red signal)	S1PR1 mean/area	area (based on CD31)	mean (Red signal)	S1PR1 mean/area
CAD	G0SU84XC62	1.041	23.072	22.16330451	0.818	23.354	28.55012225
CAD	G7NF16AK55	1.08	21.992	20.36296296	0.797	22.289	27.96612296
CAD	13303	1.024	32.589	31.82519531	0.871	29.332	33.67623421
CAD	14536	1.512	13.28	8.783068783	1.173	13.196	11.24978687
nonCAD	14547	2.577	11.123	4.316259216	1.98	12.355	6.23989899
nonCAD	15304	1.608	15.648	9.731343284	1.412	16.026	11.34985836
nonCAD	15304	1.463	16.95	11.58578264	1.409	18.176	12.89992903
nonCAD	15328	1.632	17.722	10.85906863	1	18.949	18.949
nonCAD	C165	1.666	15.072	9.046818727	1.459	17.135	11.74434544
nonCAD	14482	0.973	17.963	18.4614594	0.718	15.965	22.23537604

*data from multiple vessels from the same patient were averaged in the manuscript

nonCAD Vessels (untreated) were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background	
C536	9/7/22	Time expsoure to max flow	Area	IntDen	CTCF	%change	Mean	
		Baseline	1077326	1625515712	286063368.3		1243.312	
		1min	1201566	2482187673	1030098767	**260%**	1208.497	
		5min	1281116	2743166383	1154613290	**304%**	1239.976	
15686	9/8/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean	
		Baseline	1350696	1022355099	190254776.1		616.053	
		1min	1382097	1143596704	276376445.7	**45%**	627.467	
		5min	1419411	1256472972	346568066.9	**82%**	641.044	
14702	11/13/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean	
		Baseline	705568	1254272507	195003268.6		1501.3	
		1min	741057	1447423569	330555814.7	**70%**	1507.128	
		5min	731688	1386693546	382935411.8	**96%**	1371.839	
14692	11/6/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean	*excluded because did not respond to Ach (signal actually went down!)
		Baseline	427605	1316154069	700601705.3		1439.535	
		1min	400530	1372438293	786539003.7	**12%**	1462.81	
		5min	385917	1334459772	767277557.1	**10%**	1469.7	
15553	5/19/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean	
		Baseline	495153	2077016846	1237658733		1695.149	
		1min	499452	3968265686	3306292505	**167%**	1325.399	
		5min	501987	4697537401	4018411236	**225%**	1352.876	
C840	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean	
		Baseline	606109	845583734	602786166.3		400.584	
		1min	647937	1231309439	964685955.2	**60%**	411.496	
		5min	631377	1244018031	987772412.8	**64%**	405.852	
		*second data from same tissue						
C840	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean	
		Baseline	502146	278825224	171049125.9		214.631	
		1min	527004	583563375	469161873.7	**174%**	217.079	
		5min	568979	586362912	466863097.5	**173%**	210.025	

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of DMSO (15uL in 20mls) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C536	9/7/22	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1193133	1917577185	490696305.8		1195.911
		1min	1172001	2374945990	989343119.7	**102%**	1182.254
		5min	1221000	2574226826	1144223372	**133%**	1171.174
15686	9/8/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1414323	1798880772	146143929.6		1168.571
		1min	1483155	2252890675	521887126.1	**257%**	1167.109
		5min	1535732	2400893855	581026863.3	**298%**	1185.016
14663	10/21/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	534308	1468872597	685450438		1466.237
		1min	559656	1358798029	567667188.1	**-17%**	1413.602
		5min	590340	1369195485	526151002.6	**-23%**	1428.066
15737	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	912957	916268474	442441965.1		519.002
		1min	871668	1061249938	608410567	**38%**	519.509
		5min	848804	1053096763	609643357.2	**38%**	522.445
15734	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	833553	631585925	168607249.3		555.428
		1min	870968	747617645	266390405.6	**58%**	552.52
		5min	863522	923745202	407498073	**142%**	597.839

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of L-NAME (100uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C536	9/7/22	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	946509	1540452123	443252264.6		1159.207
		1min	894963	1854081871	806296779	**82%**	1170.758
		5min	903906	1901661247	824979038.5	**86%**	1191.144
15686	9/8/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1060323	1512331517	101341675.4		1330.717
		1min	1025034	1576304710	217809724.2	**115%**	1325.317
		5min	995406	1536953487	210486400.9	**108%**	1332.589
14598	9/2/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	559404	1334277729	424698013.1		1625.98
		1min	532938	1295701330	444962807.7	**5%**	1596.318
		5min	527370	1178300710	271554443.6	**-36%**	1719.374
G5GD19HR73	11/6/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	844440	1459550072	586069780.4		1034.39
		1min	801459	1589349278	756668641.2	**29%**	1038.956
		5min	771718	1457075322	658754659.1	**12%**	1034.472
15737	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	895917	829539555	350076133.7		535.165
		1min	972186	1078498083	543115252.8	**55%**	550.7
		5min	979320	1078917452	522653898.8	**49%**	568.01
15734	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	830996	430326244	87748974		412.249
		1min	936486	512791719	119418901.7	**36%**	420.052
		5min	937518	599561759	172793252.7	**97%**	455.211

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C536	9/7/22	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	879504	2404488069	1130225735		1448.842
		1min	927405	2490538285	1151997028	**2%**	1443.319
		5min	859719	2348354200	1092238543	**-3%**	1461.077
15686	9/8/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1466247	2954448880	453299821.2		1705.817
		1min	1545723	3453520978	892060114.5	**97%**	1657.128
		5min	1578241	3518083417	920006756.4	**103%**	1646.185
14598	9/2/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	536078	1131027279	341971926.5		1471.904
		1min	563508	1224948435	354521858.2	**4%**	1544.657
		5min	512835	1159378226	314337431.2	**-8%**	1647.783
G5GD19HR73	11/6/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	816423	1741216356	556326960.5		1451.318
		1min	805092	1634495324	452147679	**-19%**	1468.587
		5min	805587	1604355698	344179176.2	**-38%**	1564.296
14608	9/11/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	837159	1441674516	620664313.1		980.71
		1min	789768	1390453096	562060702.2	**-9%**	1048.906
		5min	829443	1488350638	679666108	**10%**	974.973

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM)+S1P (1uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C536	9/7/22	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1057206	2298927029	1037460372		1193.208
		1min	1175973	2490432049	1105944924	**7%**	1177.312
		5min	1280625	2602279636	1094004333	**5%**	1177.765
15737	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	857838	800225173	297551835.3		585.977
		1min	916077	1048128336	512559491.3	**72%**	584.633
		5min	935479	1083583087	537202544.9	**81%**	584.065
15734	10/14/22	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	807198	609023446	137192806.3		584.529
		1min	882744	755593240	250277912.9	**82%**	572.437
		5min	854770	726491692	237436746	**73%**	572.148
16009	5/5/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1085451	969826920	360122580.6		561.706
		1min	995065	904251939	403877533.4	**12%**	502.856
		5min	992190	842546608	376784840.7	**5%**	469.428
C840	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	500595	262649160	154201761		216.637
		1min	546237	556486948	433220921.6	**181%**	225.664
		5min	562479	605284318	479807627.6	**211%**	223.078

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM)+ C2-ceramide (10uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C822	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1566462	999311770	300914086.1		445.844
		1min	1579659	1170446207	469714213.6	56%	443.597
		5min	1581579	1206796458	517253319.3	72%	435.984
16174	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1471735	852612588	490945485.6		245.742
		1min	1464183	878448273	522511242.4	6%	243.096
		5min	1469541	933976119	583988764.9	19%	238.161
16152	7/29/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	718254	769994243	410206449.3		500.92
		1min	641424	704448595	390242558.6	-5%	489.857
		5min	678429	757560487	421233380.8	3%	495.744
C834	8/11/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	881139	310133850	61162738.72		282.556
		1min	901782	359925504	118384097.1	94%	267.849
		5min	902004	360410494	122367128.4	100%	263.905

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM)+CYM5442 (1uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C822	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1577766	639517408	132765790.8		321.183
		1min	1599948	691332279	177841768	34%	320.942
		5min	1618791	834502056	315889983.3	138%	320.37
16174	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1516115	882483593	490619413.4		258.466
		1min	1456461	877722969	498979024.7	2%	260.044
		5min	1541205	1008540713	615439424.5	25%	255.061
16152	7/29/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	623835	1216789781	652230958.9		904.981
		1min	648722	1245246648	711408124.4	9%	822.908
		5min	628577	1202171700	671606197.3	3%	844.074
C834	8/11/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	904539	442893323	143888911.2		330.56
		1min	929418	453090688	183676574.7	28%	289.874
		5min	923919	454930738	189955388.4	32%	286.795

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of W146 (10uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C822	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1555970	830008550	211345542.2		397.606
		1min	1569375	862250658	238000364.3	13%	397.77
		5min	1593201	886855208	249174914.5	18%	400.251
16174	7/27/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1473422	1400007506	749936666.4		441.198
		1min	1485397	1446878691	791577979.7	6%	441.162
		5min	1457895	1501961020	861275941.2	15%	439.459
16152	7/29/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	510738	622716809	241369173.9		746.66
		1min	620913	702388186	256110071.8	6%	718.745
		5min	600771	687345988	250063401	4%	727.869
C837	8/11/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	686414	778817411	467871869		453
		1min	717891	798058655	480534029.9	3%	442.302
		5min	757952	869268778	519979484	11%	460.833

nonCAD Vessels were incubated in NO-fluorescent probe for 60mins at 30mmHg and 30mins at 60mmHg in the presence of CAY10444 (10uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
16152	7/29/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	516552	602851112	258399258.4		666.829
		1min	513612	638339774	302654783.9	17%	653.577
		5min	525537	660265558	332436102.9	29%	623.799
C840	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	677835	414356742	236467758.1		262.437
		1min	638475	786770444	614490096.3	160%	269.831
		5min	645571	849293201	668901296.5	183%	279.43
C845	8/25/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1130165	1134170040	802514079.4		293.458
		1min	1151482	1175884506	826806980.3	3%	303.155
		5min	1148747	1167811411	819142572.8	2%	303.521
C846	8/25/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	1345257	982702693	558774545.1		315.128
		1min	1446441	1027315524	585304851	5%	305.585
		5min	1441073	929537329	487397398.7	-13%	306.813

nonCAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
14692	11/6/20	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	497520	3329713607	2385910704		1897.015
		1min	482920	3072013724	2323661092	-3%	1549.641
		5min	532338	2866440266	1669010880	-30%	2249.378
14663	10/22/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	575055	7025005995	5019812212		3486.96
		1min	578982	5700911816	3966896044	-21%	2994.939
		5min	593541	5529443116	3244270499	-35%	3850.067
14655	7/29/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	724518	2340604779	1814239554		726.504
		1min	663477	2224331385	1449994013	-20%	1167.09
		5min	711360	2154915530	1466558778	-19%	967.663

nonCAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
14630	9/24/20	Time expsoure to max flow	Area	IntDen	CTCF	%change	Mean
		Baseline	384726	5382433755	4044694901		3477.121
		1min	389232	4941336610	3534223228	-13%	3615.102
		5min	360252	2719635568	1408887486	-65%	3638.42
14608	9/11/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	461571	11813780	9266831.222		5.518
		1min	445026	10413964	6690876.484	-28%	8.366
		5min	585843	14619606	11544516.09	25%	5.249
G5GD19HR73	8/27/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	597997	31538999	28546024.02		5.005
		1min	604038	28319971	25330586.94	-11%	4.949
		5min	615906	25027139	22256793.81	-22%	4.498
14598	9/2/20	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	577347	4246577647	3403757836		1459.815
		1min	577254	5588052998	4338234590	27%	2165.11
		5min	588111	5442334061	4207457399	24%	2099.734

CAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C827	8/2/23	Time expsoure to max flow	Area	IntDen	CTCF	%change	Mean
		Baseline	1640709	2525104926	2161322004		221.723
		1min	1623624	3667181176	3298159042	53%	227.283
		5min	1602099	4643566048	4225588031	96%	260.894
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	520041	770267145	347172188.2		813.58
		1min	523437	765499763	353378445.7	2%	787.337
		5min	525879	783799901	386504101.2	11%	755.489
		*second vessel from same patient					
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	597330	909950887	574358946.4		561.82
		1min	640635	1172691786	782894857.7	36%	608.454
		5min	624426	1372796882	964665804.1	68%	653.61
C842	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	886977	2083120430	852631429.5		1387.284
		1min	685239	3418961673	2430126849	185%	1443.051
		5min	706632	4128735803	3105017532	264%	1448.729
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	758110	686528441	517334967.4		223.178
		1min	737253	731941743	566468993.4	9%	224.445
		5min	738031	744961933	583225391.5	13%	219.146
		*second vessel from same patient					
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	961394	659279305	261602522.5		413.646
		1min	960387	1079128046	535026553.5	105%	566.544
		5min	932353	1393567663	827284421.4	216%	607.37
C845	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	567281	497936934	247523784		441.427
		1min	546096	507235129	254604566.2	3%	462.612
		5min	528767	583535013	345936734.2	40%	449.344
16192	8/25/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	755355	1832053970	1557622168		363.315
		1min	766685	2180942778	1887403625	21%	382.868
		5min	770968	3589023065	3243659469	108%	447.961

CAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg in the presence of MitoTempol (10uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C827	8/2/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	874656	961943245	582524469.4		433.792
		1min	853596	988532112	620457248.8	7%	431.205
		5min	855305	1031757446	676275581.9	16%	415.62
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	533169	1503713334	702850309.3		1502.081
		1min	533796	1578191431	781789684.6	11%	1491.959
		5min	560253	1458128777	745627024.3	6%	1271.75
C842	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	589392	521529417	291249836.9		390.707
		1min	721281	564348860	299408644.4	3%	367.319
		5min	680544	539468238	282862997.9	-3%	377.059
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	944253	772225911	582840863.8		200.566
		1min	940008	778374967	586258012	1%	204.378
		5min	827208	706952321	534574581.9	-8%	208.385

CAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C827	8/2/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	907527	1921177075	1390772920		584.45
		1min	942106	2123424353	1545625091	11%	613.306
		5min	927676	2382690223	1824253391	31%	601.974
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	564279	799238861	390971154.6		723.521
		1min	532166	733587042	352701467.3	-10%	715.727
		5min	484710	589833272	238770906.2	-39%	724.273
C842	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	542220	663057369	278762739.5		708.743
		1min	521348	645154982	272780609	-2%	714.253
		5min	511710	641637339	270609722.5	-3%	725.074
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	726788	554740781	404899625.8		206.169
		1min	731997	548370522	394386169.1	-3%	210.362
		5min	724701	548574104	378697667.3	-6%	234.409
16192	8/25/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	732828	2797626620	2472162316		444.121
		1min	744752	2867790786	2554324669	3%	420.9
		5min	733712	3073936566	2645578625	7%	583.823

CAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM)+C2-Ceramide(1uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C827	8/2/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	1578055	1412612020	1176265145		149.771
		1min	1537920	1874218587	1635158151	39%	155.444
		5min	1545587	2390183124	2140281799	82%	161.687
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	565431	910437844	496368199.3		732.308
		1min	628323	1078840436	561378746.1	13%	823.56
		5min	620382	1146368000	585874576.4	18%	903.465
C842	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	644441	1645155447	1438331130		320.936
		1min	657570	1945755297	1729577844	20%	328.752
		5min	651591	2618463106	2395338800	67%	342.43
C844	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	682715	577344190	410972006.2		243.692
		1min	669639	621552974	449098833.4	9%	257.533
		5min	677209	628832933	455574428	11%	255.842
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	842925	766501350	597439254.5		200.566
		1min	877208	941865987	762583970.4	28%	204.378
		5min	844541	928648199	752658522.7	26%	208.385

CAD Vessels were incubated in MitoPY1-fluorescent probe for 30mins at 30mmHg and 30mins at 60mmHg in the presence of GW4869 (4uM)+S1P(1uM) and exposed to 100cmH2O flow

Patient ID	Date	Vessel Signal			Calculated Values		Background
C827	8/2/23	Time expsoure to max flow	Area	IntDen	CTCF	**%change**	Mean
		Baseline	878586	750551442	578360886.2		195.986
		1min	873957	807522285	635779247	10%	196.512
		5min	907827	870698821	691669889.6	20%	197.206
C838	8/16/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	563342	1511718599	822723729.2		1223.049
		1min	566109	1651999098	859461216.8	4%	1399.974
		5min	555064	1560976416	935919400.7	14%	1126.099
C842	8/18/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	520649	470048488	278580859.5		367.748
		1min	702745	609106334	345228397.5	24%	375.496
		5min	722286	607949113	326129728.4	17%	390.177
C844	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	656311	762403729	556755240.3		313.34
		1min	674955	910246673	689898838.8	24%	326.463
		5min	671888	781456466	565459255.5	2%	321.478
16190	8/23/23	Time expsoure to max flow	Area	IntDen	CTCF		Mean
		Baseline	754375	724814481	545202319.8		238.094
		1min	750496	766864925	595628755.7	9%	228.164
		5min	752683	792306987	610018454.6	12%	242.185

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe, and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline fluorescence GFP	60min fluorescence GFP	%Change from Baseline	90min fluorescence GFP	%Change from Baseline	120min fluorescence GFP	%Change from Baseline
	1/31/23	9	6.527	7.236	11%	5.963	-9%	3.964	-39%
		10	6.336	6.767	7%	5.058	-20%	4.235	-33%
		11	6.401	6.609	3%	4.769	-25%	7.189	12%
		12	6.913	8.891	29%	9.943	44%	10.772	56%
Well Average					12%		-3%		-1%
	1/31/23	13	7.117	8.05	13%	7.936	12%	6.546	-8%
		14	7.518	8.647	15%	9.266	23%	8.83	17%
		15	7.253	8.497	17%	9.196	27%	8.783	21%
		16	6.575	8.93	36%	11.244	71%	13.23	101%
Well Average					20%		33%		33%
Plate A	2/21/23	4	3.721	4.669	25%	4.476	20%	3.998	7%
		5	3.795	4.49	18%	4.262	12%	3.726	-2%
		6	3.827	4.829	26%	4.803	26%	4.467	17%
Well Average					23%		19%		7%
Plate A	2/24/23	1	4.204	4.472	6%	4.26	1%	3.339	-21%
		2	3.934	4.119	5%	4.078	4%	2.841	-28%
		3	3.875	4.677	21%	4.822	24%	3.895	1%
Well Average					11%		10%		-16%
Plate A	2/28/23	1	3.901	4.846	24%	4.831	24%	4.17	7%
		2	3.833	5.04	31%	5.127	34%	4.683	22%
		3	3.815	5.273	38%	5.435	42%	5.05	32%
Well Average					31%		33%		20%
Plate A	3/7/23	1	3.895	4.241	9%	4.197	8%	3.834	-2%
		2	4.009	4.329	8%	4.33	8%	4.048	1%
		3	3.872	4.446	15%	4.43	14%	4.22	9%
Well Average					11%		10%		3%

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with DMSO vehicle control (1.5uL in 2ml), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline fluorescence GFP	60min fluorescence GFP	%Change from Baseline	90min fluorescence GFP	%Change from Baseline	120min fluorescence GFP	%Change from Baseline
Plate A	2/24/23	8	4.501	5.212	16%	5.108	13%	3.811	-15%
		9	4.575	5.038	10%	4.931	8%	3.542	-23%
		10	4.306	5.153	20%	5.081	18%	3.661	-15%
Well Average					**15%**		**13%**		**-18%**
Plate A	2/24/23	11	5.101	6.276	23%	6.714	32%	6.467	27%
		12	4.706	5.655	20%	5.676	21%	4.929	5%
		13	4.458	5.224	17%	5.183	16%	4.466	0%
		14	4.662	5.847	25%	6.22	33%	5.871	26%
Well Average					**21%**		**25%**		**14%**
Plate B	2/24/23	1	3.436	4.772	39%	4.978	45%	4.422	29%
		2	3.564	5.259	48%	5.735	61%	5.647	58%
		3	3.814	5.603	47%	6.247	64%	6.715	76%
Well Average					**44%**		**57%**		**54%**
Plate B	2/24/23	4	4.154	5.442	31%	5.373	29%	4.383	6%
		5	3.968	5.249	32%	4.899	23%	3.586	-10%
		6	4.105	4.739	15%	4.308	5%	2.796	-32%
Well Average					**26%**		**19%**		**-12%**
Plate B	2/28/23	1	4.532	4.721	4%	4.158	-8%	3.14	-31%
		2	4.248	4.873	15%	4.336	2%	3.462	-19%
		3	4.502	5.112	14%	4.719	5%	3.831	-15%
Well Average					**11%**		**0%**		**-21%**
Plate B	2/28/23	4	4.341	5.127	18%	4.777	10%	3.802	-12%
		5	4.362	5.275	21%	4.898	12%	4.043	-7%
		6	4.267	5.301	24%	4.98	17%	4.013	-6%
Well Average					**21%**		**13%**		**-9%**
Plate A	3/7/23	7	4.357	5.317	22%	5.394	24%	5.175	19%
		8	4.209	4.841	15%	4.743	13%	4.248	1%
		9	3.976	4.565	15%	4.25	7%	3.614	-9%
		10	3.876	4.508	16%	4.157	7%	3.415	-12%
Well Average					**17%**		**13%**		**0%**
Plate A	3/7/23	11	4.216	4.935	17%	4.923	17%	4.385	4%
		12	4.178	4.867	16%	4.833	16%	4.279	2%
		13	4.269	4.95	16%	4.977	17%	4.517	6%
		14	4.31	5	16%	5.003	16%	4.635	8%
Well Average					**16%**		**16%**		**5%**

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline fluorescence GFP	60min fluorescence GFP	%Change from Baseline	90min fluorescence GFP	%Change from Baseline	120min fluorescence GFP	%Change from Baseline
	1/31/23	17	6.855	9.695	41%	12.759	86%	16.032	134%
		18	6.937	10.047	45%	13.285	92%	17.081	146%
		19	6.696	9.559	43%	13.285	98%	14.94	123%
		20	6.434	8.53	33%	10.514	63%	11.869	84%
Well Average					40%		85%		122%
	1/31/23	21	6.942	9.836	42%	13.071	88%	16.31	135%
		22	7.128	9.948	40%	13.354	87%	16.87	137%
		23	6.889	9.715	41%	12.946	88%	16.217	135%
		24	7.13	10.071	41%	13.398	88%	15.254	114%
Well Average					41%		88%		130%
Plate A	2/21/23	15	5.024	5.482	9%	5.503	10%	4.836	-4%
		16	4.809	6.274	30%	5.503	14%	6.72	40%
		17	4.61	5.632	22%	5.671	23%	4.886	6%
		18	4.517	5.805	29%	5.844	29%	5.242	16%
Well Average					23%		19%		15%
Plate A	2/21/23	19	2.606	5.717	119%	6.481	149%	7.484	187%
		20	2.444	5.851	139%	6.495	166%	7.529	208%
		21	2.57	5.762	124%	6.506	153%	7.471	191%
		22	2.553	5.762	126%	6.505	155%	7.638	199%
Well Average					127%		156%		196%
Plate B	2/21/23	1	3.858	4.325	12%	4.161	8%	3.935	2%
		2	3.861	4.372	13%	4.203	9%	4.021	4%
		3	3.68	4.188	14%	4.034	10%	3.963	8%
Well Average					13%		9%		5%
Plate B	2/21/23	4	3.976	4.863	22%	4.873	23%	4.862	22%
		5	4.119	5.014	22%	5.284	28%	5.295	29%
		6	4.125	5.175	25%	5.6	36%	5.761	40%
Well Average					23%		29%		30%
Plate A	5/31/23	1	3.86	6.182	60%	7.073	83%	4.399	14%
		2	2.365	3.618	53%	3.845	63%	4.119	74%
		3	2.076	3.103	49%	3.358	62%	3.353	62%
		4	2	2.843	42%	2.91	46%	2.934	47%
Well Average					51%		63%		49%
Plate A	5/31/23	5	2.337	3.232	38%	3.469	48%	3.558	52%
		6	1.938	2.766	43%	2.818	45%	2.722	40%
		7	2.772	4.108	48%	4.601	66%	5	80%
		8	3.264	5.02	54%	5.753	76%	6.463	98%
Well Average					46%		59%		68%
Plate A	5/31/23	9	1.998	2.889	45%	3.055	53%	3.205	60%
		10	3.231	5.634	74%	6.617	105%	7.411	129%
		11	1.981	3.075	55%	3.288	66%	3.399	72%
		12	3.513	6.544	86%	7.653	118%	8.83	151%
Well Average					65%		85%		103%
Plate A	5/31/23	13	1.908	2.945	54%	3.167	66%	3.126	64%
		14	2.691	4.355	62%	4.809	79%	5.185	93%
		15	1.936	4.366	126%	3.134	62%	3.079	59%
		16	1.908	2.991	57%	3.239	70%	3.211	68%
Well Average					75%		69%		71%

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM)+C2-Ceramide(10uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate B	3/14/23	1	4.014	4.776	19%	4.811	20%	4.509	12%
		2	4.162	4.908	18%	5.148	24%	5.21	25%
		3	4.622	5.548	20%	5.811	26%	6.354	37%
		4	4.417	5.265	19%	5.524	25%	5.659	28%
Well Average					19%		24%		26%
Plate B	3/14/23	9	4.571	5.098	12%	5.406	18%	3.848	-16%
		10	4.369	5.449	25%	5.713	31%	4.221	-3%
		11	4.417	5.659	28%	5.951	35%	4.888	11%
		12	4.586	5.956	30%	6.444	41%	5.619	23%
Well Average					24%		31%		3%
Plate B	3/14/23	17	4.528	5.043	11%	5.345	18%	4.038	-11%
		18	4.546	5.166	14%	5.479	21%	4.334	-5%
		19	4.502	4.989	11%	5.335	19%	3.9	-13%
		20	4.386	5.082	16%	5.572	27%	4.393	0%
Well Average					13%		21%		-7%
Plate B	3/14/23	25	4.124	5	21%	5.168	25%	3.732	-10%
		26	4.091	5.056	24%	5.182	27%	3.676	-10%
		27	4.076	5.138	26%	5.201	28%	4.021	-1%
Well Average					24%		27%		-7%
	3/29/23	5	3.706	5.869	58%	5.198	40%	4.803	30%
		6	3.674	5.885	60%	5.198	41%	4.662	27%
		7	3.62	5.741	59%	5.192	43%	4.788	32%
		8	4.241	6.7	58%	6.4	51%	6.989	65%
Well Average					59%		44%		38%

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM)+CYM5442(1uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
	3/29/23	9	3.439	4.812	40%	4.054	18%	3.469	1%
		10	3.44	4.851	41%	4.084	19%	3.563	4%
		11	3.501	5.106	46%	4.439	27%	4.01	15%
		12	3.926	4.873	24%	5.3	35%	5.63	43%
Well Average					38%		25%		16%
Plate B	3/14/23	5	4	5.303	33%	5.374	34%	4.905	23%
		6	4.218	5.58	32%	5.525	31%	4.883	16%
		7	4.338	5.688	31%	5.638	30%	5.04	16%
		8	4.638	6.299	36%	6.438	39%	6.671	44%
Well Average					33%		34%		25%
Plate B	3/14/23	13	4.109	5.571	36%	5.752	40%	5.736	40%
		14	4.045	5.181	28%	5.828	44%	5.577	38%
		15	3.996	4.935	23%	5.673	42%	5.545	39%
		16	3.999	5.08	27%	5.625	41%	5.609	40%
Well Average					29%		42%		39%
Plate B	3/14/23	21	4.107	4.993	22%	5.7	39%	5.366	31%
		22	3.927	5.045	28%	5.516	40%	5.21	33%
		23	3.981	5.037	27%	5.473	37%	5.013	26%
		24	4.175	4.993	20%	5.527	32%	5.174	24%
Well Average					24%		37%		28%
Plate B	3/14/23	28	4.086	5.338	31%	5.505	35%	4.8	17%
		29	4.159	5.423	30%	5.921	42%	5.793	39%
		30	3.821	5.186	36%	5.389	41%	4.765	25%
Well Average					32%		39%		27%

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM)+S1P(1uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate A	2/21/23	23	4.531	5.788	28%	5.162	14%	7.638	69%
		24	5.055	5.572	10%	6.695	32%	6.639	31%
		25	4.708	5.574	18%	5.307	13%	4.364	-7%
		26	4.747	5.424	14%	5.181	9%	4.197	-12%
Well Average					**18%**		**17%**		**20%**
Plate A	2/21/23	27	4.817	5.273	9%	4.974	3%	3.818	-21%
		28	4.902	5.386	10%	5.152	5%	4.099	-16%
		29	4.902	6.004	22%	6.266	28%	5.823	19%
		30	5.268	5.783	10%	5.895	12%	5.223	-1%
Well Average					**13%**		**12%**		**-5%**
Plate B	2/21/23	7	4.653	4.951	6%	4.905	5%	4.07	-13%
		8	4.481	5	12%	4.818	8%	3.905	-13%
		9	4.78	5.603	17%	5.814	22%	5.549	16%
Well Average					**12%**		**12%**		**-3%**
Plate B	2/21/23	10	4.887	5.201	6%	5.322	9%	4.828	-1%
		11	4.804	6	25%	5.828	21%	5.677	18%
		12	5.077	6.139	21%	6.585	30%	6.745	33%
Well Average					**17%**		**20%**		**17%**
	3/29/23	1	3.101	4.578	48%	3.823	23%	3.295	6%
		2	3.426	5.002	46%	4.509	32%	4.12	20%
		3	3.612	5.326	47%	4.858	34%	4.733	31%
		4	3.527	4.515	28%	3.852	9%	3.254	-8%
Well Average					**42%**		**25%**		**12%**

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM)+Catalase(500U/ml), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate B	2/21/23	13	4.746	5.121	8%	4.657	-2%	5.451	15%
		14	4.832	5.428	12%	4.903	1%	3.702	-23%
		15	4.879	5.488	12%	5.013	3%	3.6	-26%
Well Average					**11%**		**1%**		**-12%**
Plate B	2/21/23	16	4.873	5.434	12%	5.188	6%	4.387	-10%
		17	5.184	5.693	10%	5.628	9%	4.804	-7%
		18	5.184	5.851	13%	5.992	16%	5.373	4%
Well Average					**11%**		**10%**		**-5%**
Plate A	2/23/23	4	5.282	6.335	20%	6.669	26%	5.965	13%
		5	4.975	5.924	19%	6.005	21%	4.809	-3%
		6	4.689	5.621	20%	5.579	19%	4.206	-10%
		7	4.427	5.461	23%	5.543	25%	4.482	1%
Well Average					**21%**		**23%**		**0%**
Plate A	3/7/23	15	4.806	4.947	3%	4.759	-1%	4.147	-14%
		16	4.924	5.112	4%	5.009	2%	4.446	-10%
		17	4.929	5.439	10%	5.448	11%	5.023	2%
		18	4.936	5.004	1%	4.819	-2%	4.23	-14%
Well Average					**5%**		**2%**		**-9%**
Plate A	3/7/23	19	4.437	4.692	6%	4.494	1%	3.897	-12%
		20	4.362	5.25	20%	4.385	1%	3.767	-14%
		21	4.628	4.771	3%	4.5	-3%	4.061	-12%
		22	4.355	4.708	8%	4.408	1%	3.992	-8%
Well Average					**9%**		**0%**		**-12%**

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with GW4869 (4uM)+GSK2795039(1uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate B	2/21/23	19	4.434	4.448	0%	4.052	-9%	3.167	-29%
		20	4.506	4.825	7%	4.538	1%	3.974	-12%
		21	4.661	5.213	12%	5.108	10%	4.707	1%
Well Average					**6%**		**1%**		**-13%**
Plate B	2/21/23	22	4.028	4.525	12%	4.093	2%	3.103	-23%
		23	4.43	4.676	6%	4.288	-3%	3.436	-22%
		24	4.584	4.892	7%	4.708	3%	4.048	-12%
Well Average					**8%**		**0%**		**-19%**
Plate A	2/24/23	23	4.777	6.066	27%	6.25	31%	4.993	5%
		24	4.67	6.142	32%	6.752	45%	6.351	36%
		25	4.598	6.107	33%	6.78	47%	6.417	40%
		26	4.52	5.829	29%	6.279	39%	5.377	19%
Well Average					**30%**		**40%**		**25%**
Plate A	2/24/23	27	6	5.727	-5%	5.961	-1%	5.115	-15%
		28	4.946	5.506	11%	5.731	16%	4.462	-10%
		29	4.665	5.49	18%	5.662	21%	4.274	-8%
		30	5.346	6	12%	6.191	16%	5.027	-6%
Well Average					**9%**		**13%**		**-10%**
Plate B	2/28/23	23	4.701	5.997	28%	5.624	20%	4.039	-14%
		24	4.462	6.418	44%	6.377	43%	5.07	14%
		25	4.726	5.947	26%	5.584	18%	4.171	-12%
		26	4.832	6.207	28%	6.239	29%	4.937	2%
Well Average					**31%**		**27%**		**-3%**
Plate B	2/28/23	27	4.741	6.384	35%	6.52	38%	5.389	14%
		28	5.161	6.686	30%	6.899	34%	6.144	19%
		29	5.596	7.204	29%	7.784	39%	7.41	32%
		30	5.722	8.069	41%	9.271	62%	10.251	79%
Well Average					**33%**		**43%**		**36%**

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with W146 (10uM), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate B	2/24/23	7	4.54	5.627	24%	5.968	31%	5.653	25%
		8	4.524	5.738	27%	6.041	34%	5.833	29%
		9	4.415	5.326	21%	5.112	16%	4.223	-4%
		10	4.668	6.094	31%	6.285	35%	5.875	26%
Well Average					25%		29%		19%
Plate B	2/24/23	11	4.955	6.021	22%	6.193	25%	6.399	29%
		12	4.074	5.472	34%	5.141	26%	4.497	10%
		13	4.304	4.929	15%	4.597	7%	3.712	-14%
		14	3.826	5.364	40%	5.492	44%	4.889	28%
Well Average					28%		25%		13%
Plate B	2/24/23	15	4.222	5.253	24%	5.065	20%	4.135	-2%
		16	3.943	5.28	34%	5.268	34%	4.452	13%
		17	3.895	5.634	45%	5.937	52%	5.54	42%
		18	3.813	5.573	46%	5.821	53%	5.159	35%
Well Average					37%		40%		22%
Plate A	2/28/23	23	4.412	5.7	29%	5.727	30%	5.033	14%
		24	4.318	5.731	33%	5.64	31%	5.152	19%
		25	4.39	5.672	29%	5.81	32%	5.5	25%
		26	4.239	5.758	36%	6.111	44%	5.543	31%
Well Average					32%		34%		22%
Plate A	2/28/23	27	4.249	7.039	66%	8.181	93%	8.925	110%
		28	4.3	6.163	43%	6.752	57%	6.664	55%
		29	4.385	6.582	50%	7.538	72%	8.097	85%
		30	4.305	6.197	44%	7.051	64%	7.326	70%
Well Average					51%		71%		80%
Plate B	2/28/23	7	4.37	6.183	41%	6.611	51%	6.463	48%
		8	4.13	5.836	41%	5.918	43%	5.266	28%
		9	3.961	5.658	43%	5.585	41%	4.548	15%
		10	3.883	5.722	47%	5.678	46%	4.433	14%
Well Average					43%		45%		26%
Plate B	2/28/23	11	4.365	5.707	31%	5.868	34%	5.651	29%
		12	4.47	5.722	28%	5.73	28%	5.432	22%
		13	4.397	5.725	30%	5.85	33%	5.613	28%
		14	4.512	5.835	29%	5.867	30%	5.571	23%
Well Average					30%		31%		26%
Plate B	3/7/23	4	3.403	4.309	27%	4.624	36%	4.031	18%
		5	3.395	4.393	29%	4.789	41%	4.177	23%
		6	3.422	4.435	30%	4.873	42%	4.246	24%
Well Average					29%		40%		22%

Imaging fields were set on the Keyence using bright field view of HUVECs. Then, the HUVECs (pooled from 10 patients) were incubated in the PY1 probe along with W146 (10uM)+Catalase(500U/ml), and fluorescence signal was measured at Baseline (0mins), 60mins, 90mins, and 120 minutes across the same imaging fields.

	Date	Image Field No.	Baseline	60min	%Change from Baseline	90min	%Change from Baseline	120min	%Change from Baseline
Plate A	3/14/23	1	3.606	4.324	20%	4.317	20%	4.035	12%
		2	3.841	4.469	16%	4.51	17%	4.347	13%
		3	3.963	4.81	21%	5.005	26%	5.054	28%
		4	3.907	4.707	20%	4.869	25%	4.868	25%
Well Average					**20%**		**22%**		**19%**
Plate A	3/14/23	5	4.023	4.832	20%	4.909	22%	4.767	18%
		6	4.17	4.881	17%	5.06	21%	5.048	21%
		7	4.188	4.859	16%	4.982	19%	4.997	19%
		8	4.58	5.515	20%	5.931	29%	6.427	40%
Well Average					**18%**		**23%**		**25%**
Plate A	3/14/23	9	3.886	4.538	17%	4.55	17%	4.589	18%
		10	3.803	4.679	23%	4.73	24%	4.791	26%
		11	3.942	4.773	21%	4.877	24%	4.919	25%
		12	4.129	4.871	18%	5.013	21%	5.118	24%
Well Average					**20%**		**22%**		**23%**
Plate A	3/14/23	13	3.872	4.546	17%	4.504	16%	4.432	14%
		14	3.738	4.391	17%	4.404	18%	4.194	12%
		15	3.767	4.401	17%	4.332	15%	4.091	9%
		16	3.919	4.611	18%	4.523	15%	4.342	11%
Well Average					**17%**		**16%**		**12%**