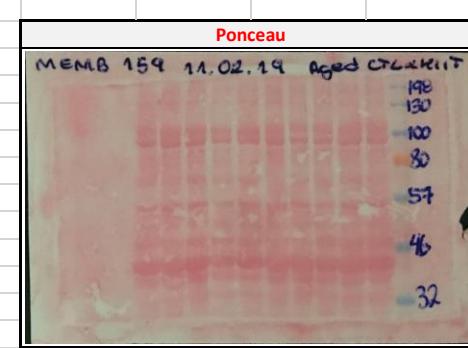
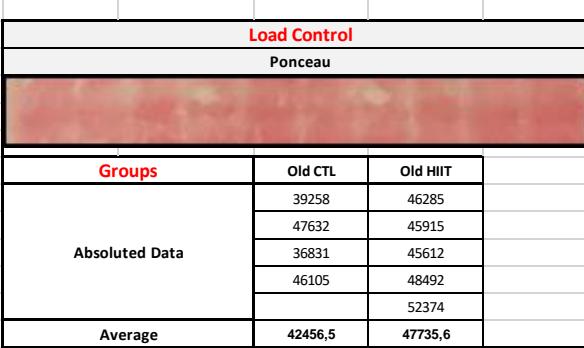
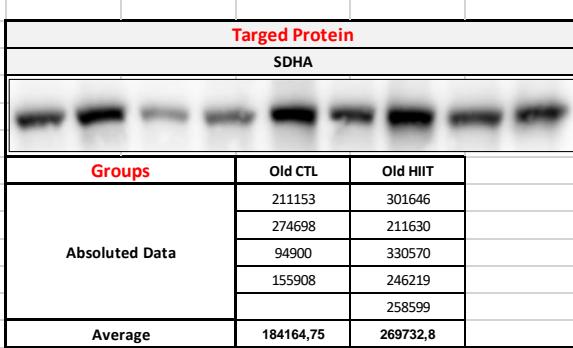


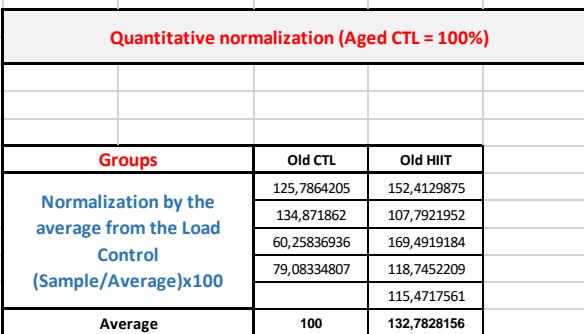
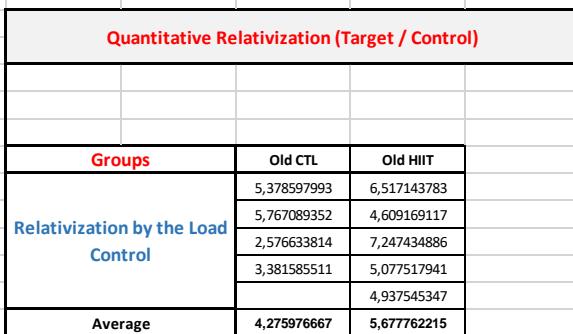
Cordeiro et al.

High-Intensity Exercise Training Induces Mitonuclear Imbalance and Activates the Mitochondrial Unfolded Protein Response (UPR_{mt}) in Skeletal Muscle of Aged Mice

WESTERN BLOT SUPPLEMENTARY MATERIAL
Chronic High-Intensity Interval Training (HIIT)

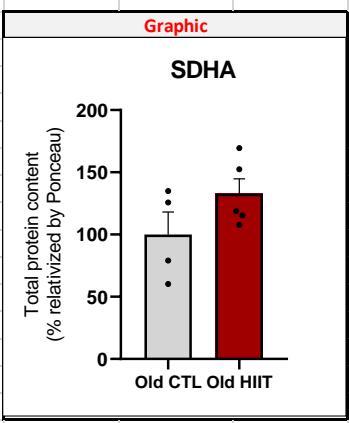


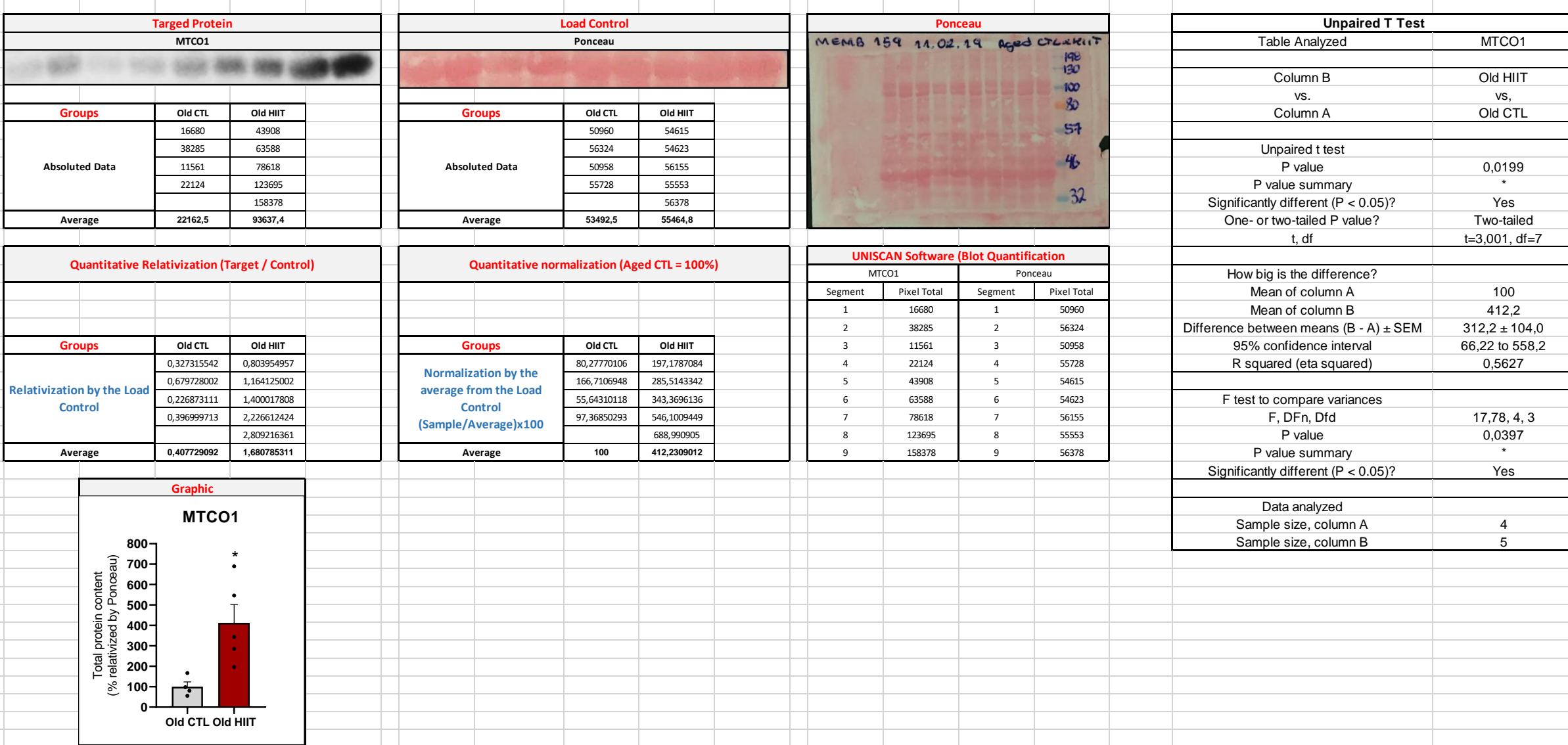
Unpaired T Test	
Table Analyzed	Mitonuclear Imbalance
Column B	Aged HIIT vs. Aged CTL
Unpaired t test	
P value	0,0466
P value summary	*
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2,413, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	263,3
Difference between means (B - A) \pm SEM	163,3 \pm 67,67
95% confidence interval	3,253 to 323,3
R squared (eta squared)	0,454
F test to compare variances	
F, DFn, Dfd	37,01, 4, 3
P value	0,0138
P value summary	*
Significantly different ($P < 0.05$)?	Yes
Data analyzed	
Sample size, column A	4
Sample size, column B	5

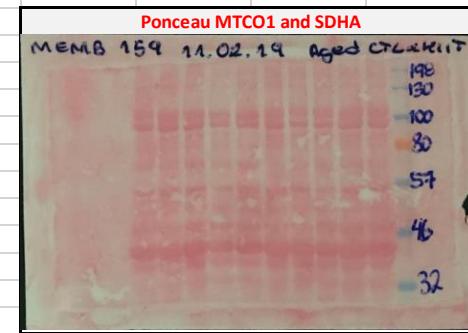
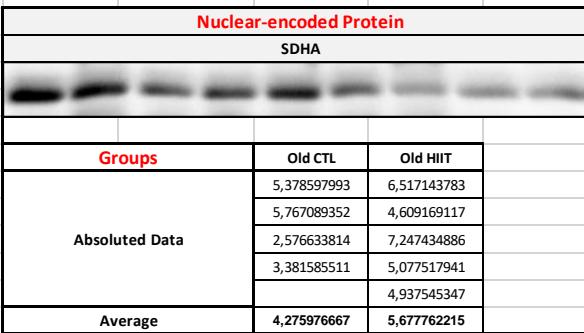
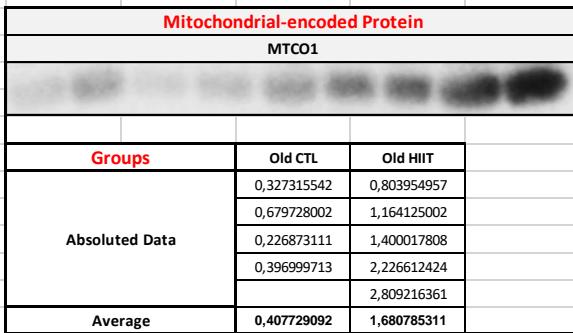


UNISCAN Software (Blot Quantification)

SDHA	Ponceau		
Segment	Pixel Total	Segment	Pixel Total
1	211153	1	39258
2	274698	2	47632
3	94900	3	36831
4	155908	4	46105
5	301646	5	46285
6	211630	6	45915
7	330570	7	45612
8	246219	8	48492
9	258599	9	52374







Quantitative Relativization (Target / Control)

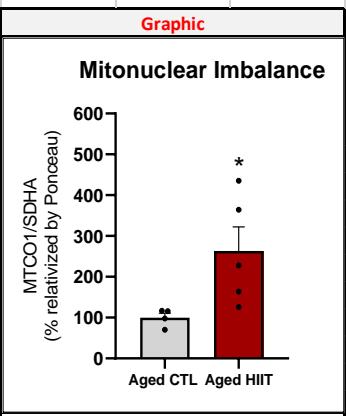
Groups	Old CTL	Old HIIT
Relativization by the Load Control	0,060855179 0,117863269 0,088050196 0,117400465	0,123360015 0,252567214 0,193174251 0,438523793 0,568949987
Average	0,096042277	0,315315052

Quantitative normalization (Aged CTL = 100%)

Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	63,36290691 122,720194 91,67857971 122,2383194	128,4434513 262,9750372 201,1346015 456,5945392
Average	100	328,3085966

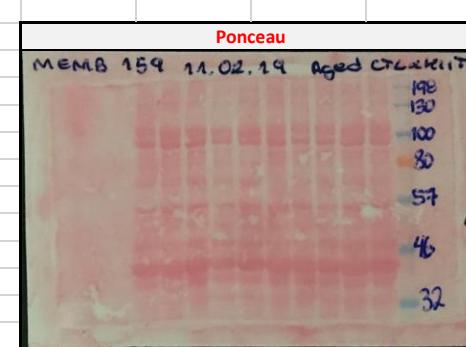
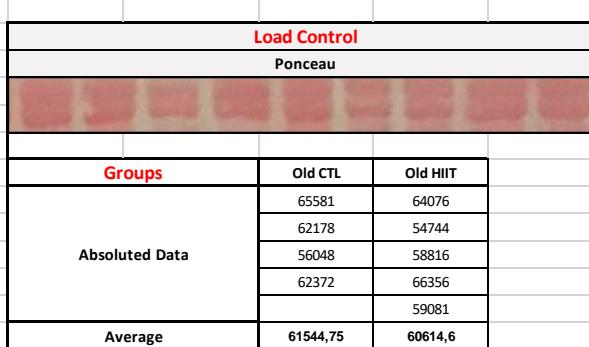
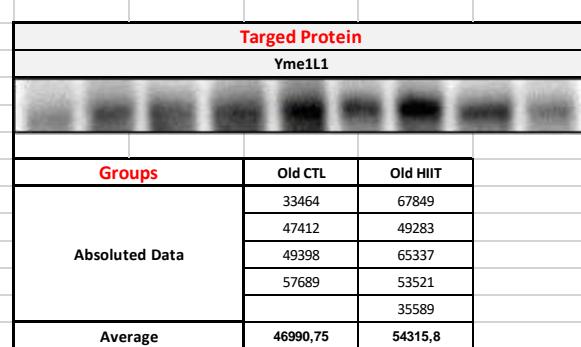
UNISCAN Software (Blot Quantification)

MTCO1		SDHA	
Segment	Relativized	Segment	Relativized
1	0,327315542	1	5,378597993
2	0,679728002	2	5,767089352
3	0,226873111	3	2,576633814
4	0,396999713	4	3,381585511
5	0,803954957	5	6,517143783
6	1,400017808	6	4,609169117
7	7,247434886	7	7,247434886
8	2,226612424	8	5,077517941
9	2,809216361	9	4,937545347



Unpaired T Test

Table Analyzed	Mitonuclear Imbalance
Column B vs. Column A	Aged HIIT vs. Aged CTL
Unpaired t test	
P value	0,0466
P value summary	*
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2,413, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	263,3
Difference between means (B - A) ± SEM	163,3 ± 67,67
95% confidence interval	3,253 to 323,3
R squared (eta squared)	0,454
F test to compare variances	
F, DFn, Dfd	37,01, 4, 3
P value	0,0138
P value summary	*
Significantly different (P < 0.05)?	Yes
Data analyzed	
Sample size, column A	4
Sample size, column B	5



Quantitative Relativization (Target / Control)

Groups	Old CTL	Old HIIT
Relativization by the Load Control	0,510269743 0,762520506 0,881351699 0,924918233	1,058883201 0,900244776 1,110871192 0,806573633
Average	0,769765045	0,89578984

Quantitative normalization (Aged CTL = 100%)

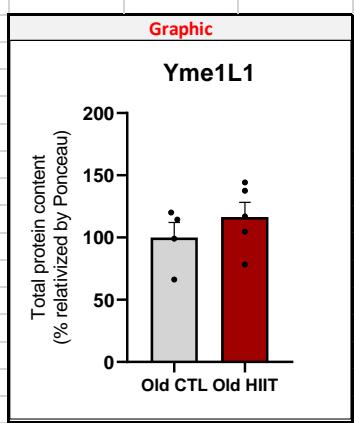
Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	66,28902496 99,05886357 114,4961965 120,1559149	137,5592732 116,9505918 144,3130211 78,25457944
Average	100	116,3718522

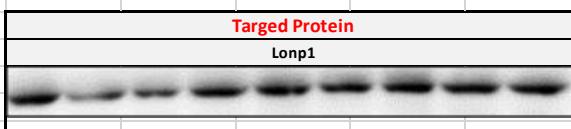
UNISCAN Software (Blot Quantification)

Yme1L1		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	33464	1	65581
2	47412	2	62178
3	49398	3	56048
4	57689	4	62372
5	67849	5	64076
6	49283	6	54744
7	65337	7	58816
8	53521	8	66356
9	35589	9	59081

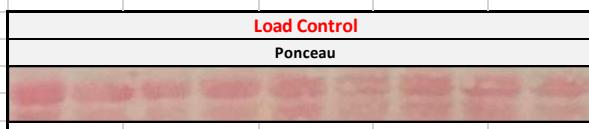
Unpaired T Test

Table Analyzed	Yme1L1
Column B	Old HIIT
vs.	vs,
Column A	Old CTL
Unpaired t test	
P value	0,3713
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0,9551, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	116,4
Difference between means (B - A) \pm SEM	16,37 \pm 17,14
95% confidence interval	-24,16 to 56,91
R squared (eta squared)	0,1153
F test to compare variances	
F, DFn, Dfd	1,205, 4, 3
P value	0,9147
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5

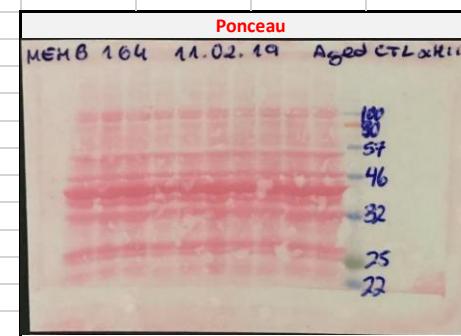




Groups	Old CTL	Old HIIT
Absoluted Data	34536	41163
	22532	36438
	23689	41128
	33876	38543
		39506
	Average	28658,25



Groups	Old CTL	Old HIIT
Absoluted Data	48209	46662
	42289	39735
	38575	48035
	45648	46575
		38299
	Average	43680,25



Quantitative Relativization (Target / Control)

Groups	Old CTL	Old HIIT
Relativization by the Load Control	0,716380759	0,882152501
	0,532809951	0,917025293
	0,614102398	0,856209014
	0,742113565	0,827546967
		1,031515183
	Average	0,651351668

Quantitative normalization (Aged CTL = 100%)

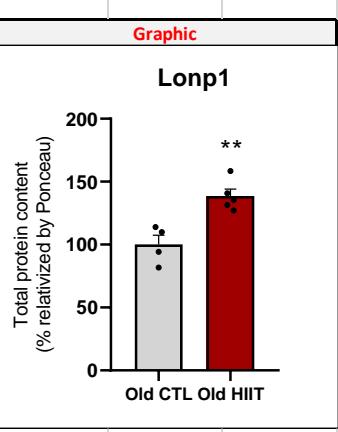
Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	109,9837145	135,4341356
	81,80065804	140,788047
	94,28123518	131,4511126
	113,9343923	127,0507174
		158,3653246
	Average	100

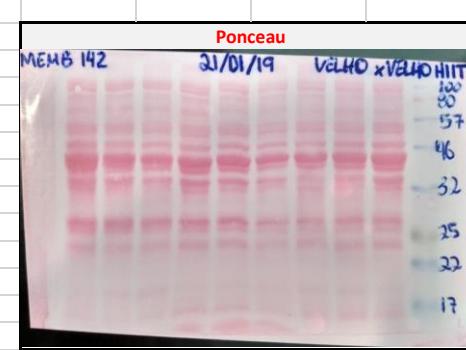
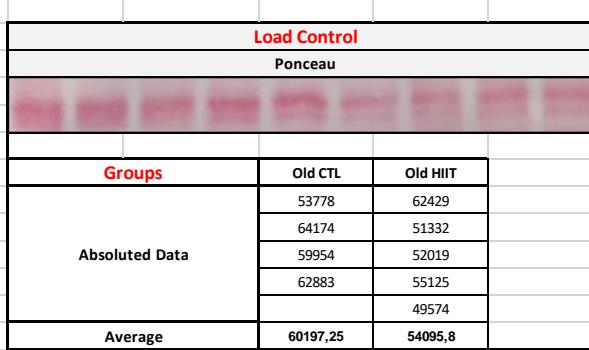
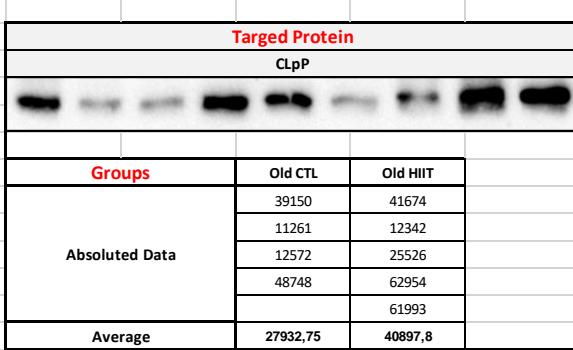
UNISCAN Software (Blot Quantification)

Long1		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	34536	1	48209
2	22532	2	42289
3	23689	3	38575
4	33876	4	45648
5	41163	5	46662
6	36438	6	39735
7	41128	7	48035
8	38543	8	46575
9	39506	9	38299

Unpaired T Test

Table Analyzed	Long1
Column B	Old HIIT
vs.	vs,
Column A	Old CTL
Unpaired t test	
P value	0,0035
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4,312, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	138,6
Difference between means (B - A) ± SEM	38,62 ± 8,956
95% confidence interval	17,44 to 59,80
R squared (eta squared)	0,7265
F test to compare variances	
F, DFn, Dfd	1,487, 3, 4
P value	0,6915
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





Quantitative Relativization (Target / Control)

Groups	Old CTL	Old HIIT
Relativization by the Load Control	0,72799286 0,175476049 0,209694099 0,775217467	0,667542328 0,240434816 0,490705319 1,142022676 1,250514383
Average	0,472095119	0,758243904

Quantitative normalization (Aged CTL = 100%)

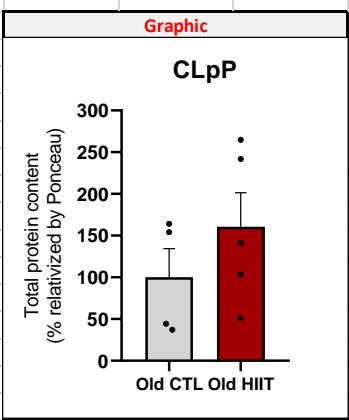
Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	154,2046996 37,1696386 44,41776465 164,2078972	141,399964 50,92931634 103,9420447 241,9052073 264,8861072
Average	100	160,6125279

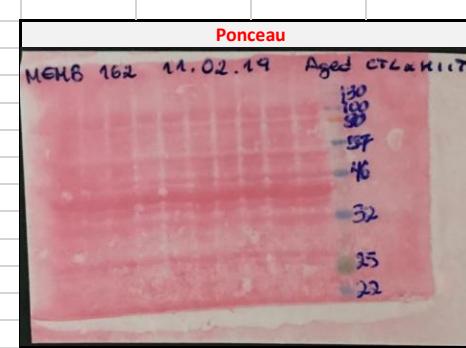
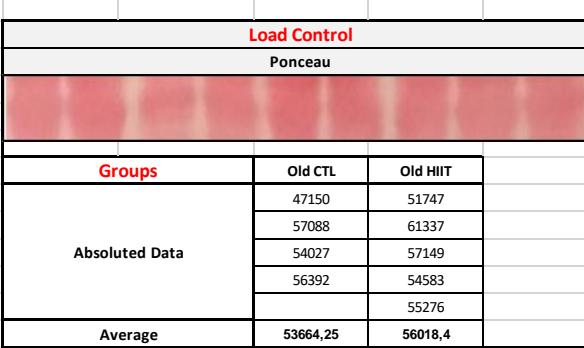
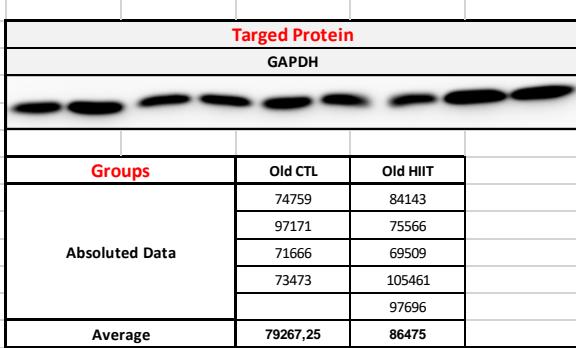
UNISCAN Software (Blot Quantification)

CLpP		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	39150	1	53778
2	11261	2	64174
3	12572	3	59954
4	48748	4	62883
5	41674	5	62429
6	12342	6	51332
7	25526	7	52019
8	62954	8	55125
9	61993	9	49574

Unpaired T Test

Table Analyzed	CLpP
Column B vs. Column A	Old HIIT vs. Old CTL
Unpaired t test	
P value	0,3075
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=1,100, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	160,6
Difference between means (B - A) \pm SEM	60,61 \pm 55,08
95% confidence interval	-69,63 to 190,9
R squared (eta squared)	0,1475
F test to compare variances	
F, DF _n , DF _d	1,761, 4, 3
P value	0,6701
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





Quantitative Relativization (Target / Control)

Groups	Old CTL	Old HIIT
Relativization by the Load Control	1,585556734 1,702126541 1,326484906 1,302897574	1,626045954 1,231980697 1,21627675 1,932121723
Average	1,479266439	1,554769358

Quantitative normalization (Aged CTL = 100%)

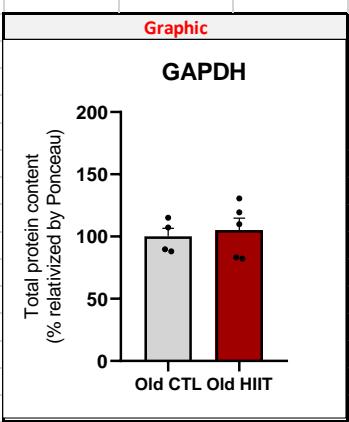
Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	107,1853381 115,0655823 89,67180428 88,07727533	109,9224529 83,28321826 82,2216146 130,6135036
Average	100	105,1040784

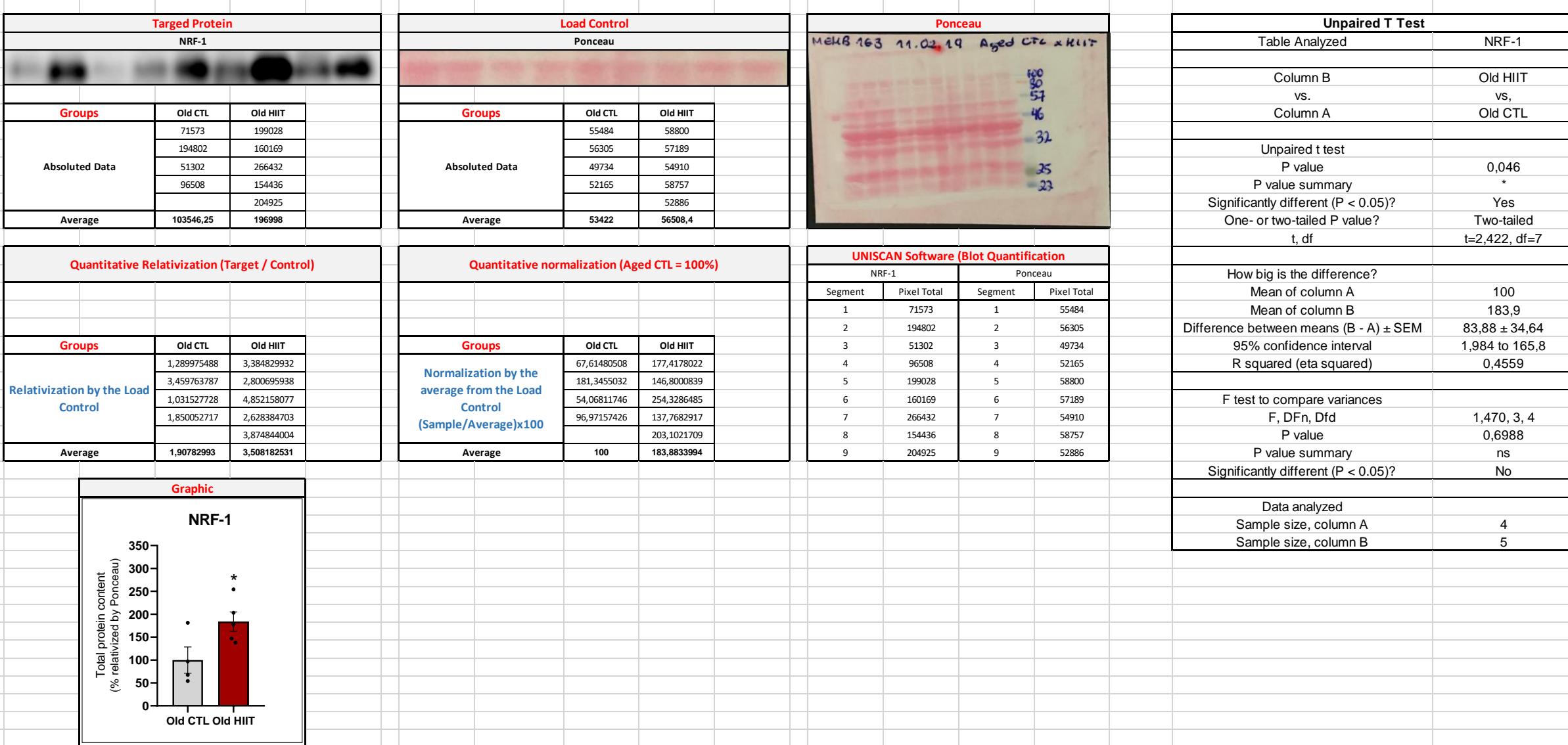
UNISCAN Software (Blot Quantification)

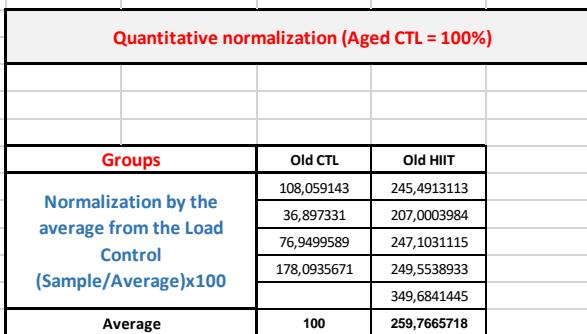
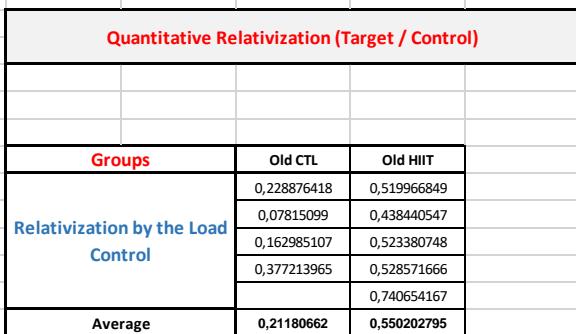
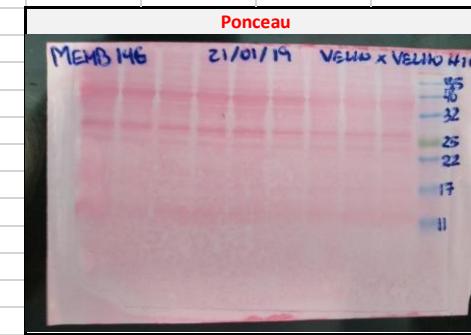
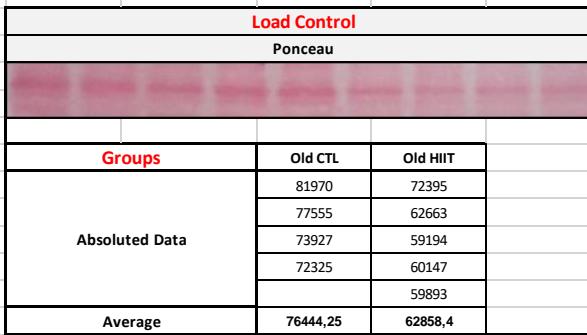
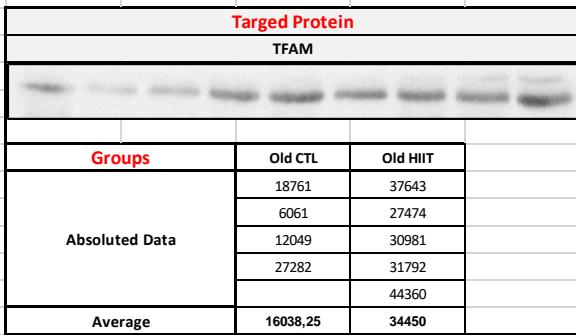
GAPDH		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	74759	1	47150
2	97171	2	57088
3	71666	3	54027
4	73473	4	56392
5	84143	5	51747
6	75566	6	61337
7	69509	7	57149
8	105461	8	54583
9	97696	9	55276

Unpaired T Test

Table Analyzed	GAPDH
Column B vs. Column A	Old HIIT vs. Old CTL
Unpaired t test	
P value	0,6939
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0,4103, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	105,1
Difference between means (B - A) ± SEM	5,104 ± 12,44
95% confidence interval	-24,31 to 34,52
R squared (eta squared)	0,02348
F test to compare variances	
F, DF _n , DF _d	2,674, 4, 3
P value	0,4452
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





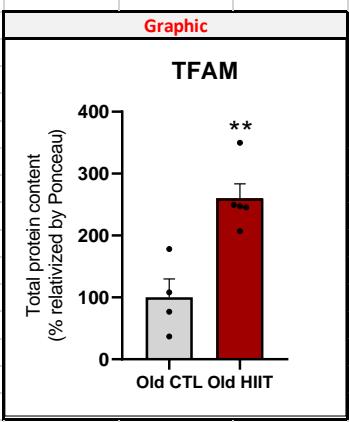


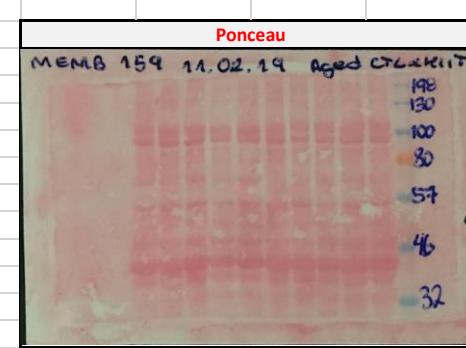
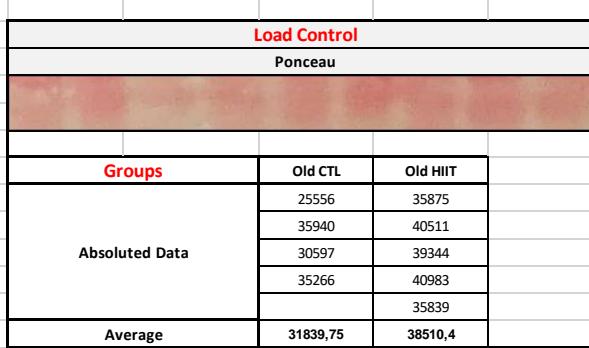
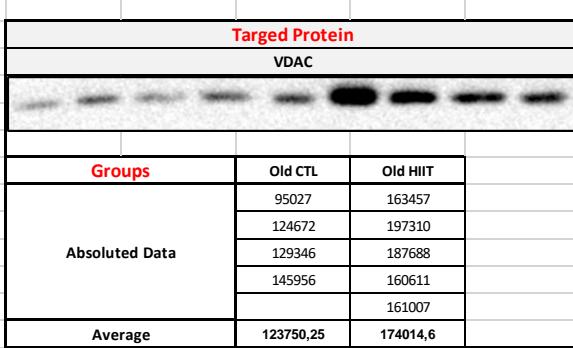
UNISCAN Software (Blot Quantification)

TFAM		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	18761	1	81970
2	6061	2	77555
3	12049	3	73927
4	27282	4	72325
5	37643	5	72395
6	27474	6	62663
7	30981	7	59194
8	31792	8	60147
9	44360	9	59893

Unpaired T Test

Table Analyzed	TFAM
Column B	Old HIIT
vs.	vs,
Column A	Old CTL
Unpaired t test	
P value	0,0038
P value summary	**
Significantly different (P < 0.05)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4,247, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	259,8
Difference between means (B - A) ± SEM	159,8 ± 37,62
95% confidence interval	70,81 to 248,7
R squared (eta squared)	0,7204
F test to compare variances	
F, DF _n , DF _d	1,256, 3, 4
P value	0,8027
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





Unpaired T Test	
Table Analyzed	VDAC
Column B	Old HIIT
vs.	vs,
Column A	Old CTL
Unpaired t test	
P value	0,036
P value summary	*
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2,589, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	116,3
Difference between means (B - A) \pm SEM	16,29 \pm 6,293
95% confidence interval	1,409 to 31,17
R squared (eta squared)	0,4891
F test to compare variances	
F, DFn, Dfd	1,076, 4, 3
P value	0,9916
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5

Quantitative Relativization (Target / Control)

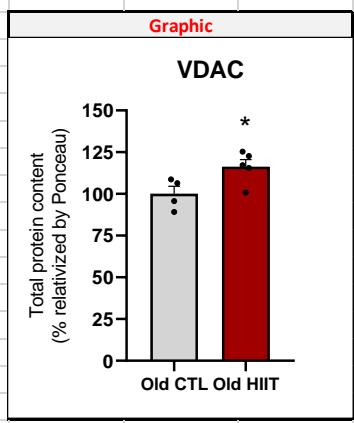
Groups	Old CTL	Old HIIT
Relativization by the Load Control	3,718383159 3,468892599 4,227407916 4,138717178	4,556292683 4,870528992 4,770435136 3,918966401
Average	3,888350213	4,521746275

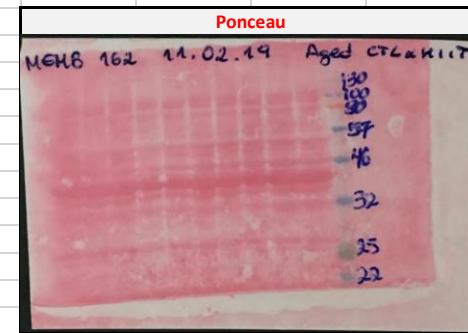
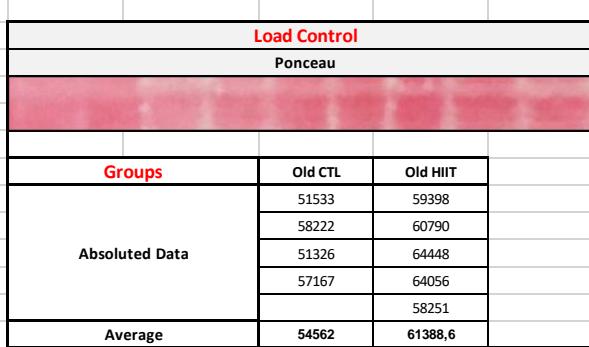
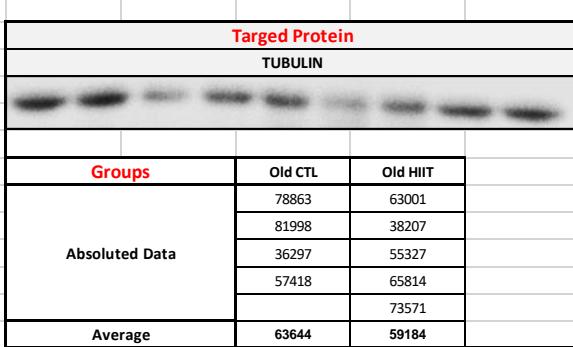
Quantitative normalization (Aged CTL = 100%)

Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	95,62881312 89,21245281 108,7198345 106,4388996	117,178043 125,2595246 122,685326 100,7873825
Average	100	116,2895837

UNISCAN Software (Blot Quantification)

VDAC		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	95027	1	25556
2	124672	2	35940
3	129346	3	30597
4	145956	4	35266
5	163457	5	35875
6	197310	6	40511
7	187688	7	39344
8	160611	8	40983
9	161007	9	35839





Quantitative Relativization (Target / Control)

Groups	Old CTL	Old HIIT
Relativization by the Load Control	1,530339782 1,408367971 0,707185442 1,004390645 Average	1,060658608 0,628507978 0,85847505 1,027444736 1,16257096 0,96761723

Quantitative normalization (Aged CTL = 100%)

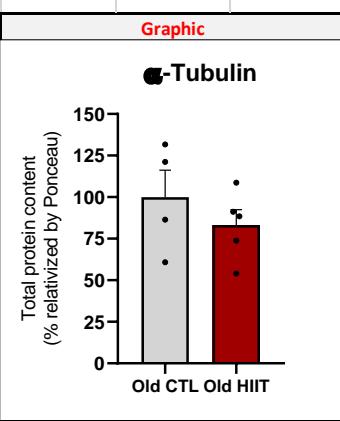
Groups	Old CTL	Old HIIT
Normalization by the average from the Load Control (Sample/Average)x100	131,6340967 121,1425383 60,82944322 86,3939217 Average	91,23388116 54,06190245 73,84280867 88,37694826 108,6385107 83,23081025

UNISCAN Software (Blot Quantification)

TUBULIN		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	78863	1	51533
2	81998	2	58222
3	36297	3	51326
4	57418	4	57167
5	63001	5	59398
6	38207	6	60790
7	55327	7	64448
8	65814	8	64056
9	73571	9	58251

Unpaired T Test

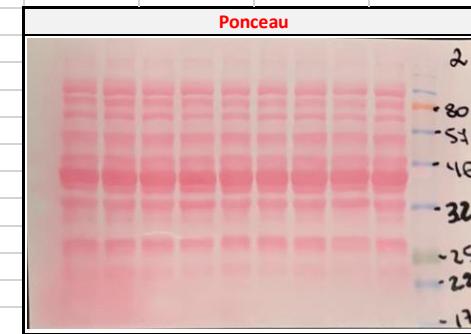
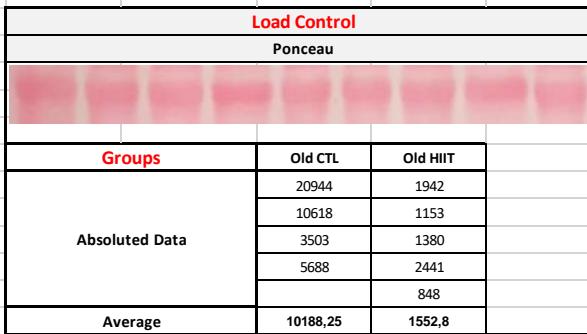
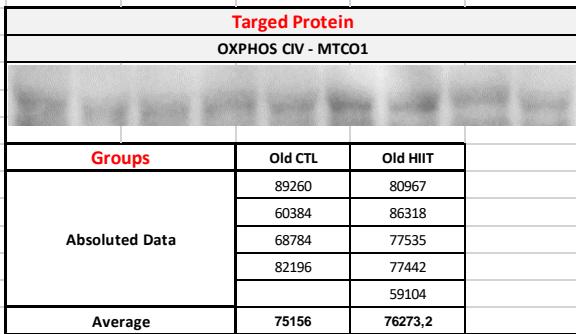
Table Analyzed	alpha-Tubulin
Column B	Old HIIT vs. Old CTL
Unpaired t test	
P value	0,3735
P value summary	ns
Significantly different (P < 0.05)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0,9505, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	83,23
Difference between means (B - A) ± SEM	-16,77 ± 17,64
95% confidence interval	-58,49 to 24,95
R squared (eta squared)	0,1143
F test to compare variances	
F, DFn, Dfd	2,521, 3, 4
P value	0,3931
P value summary	ns
Significantly different (P < 0.05)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5



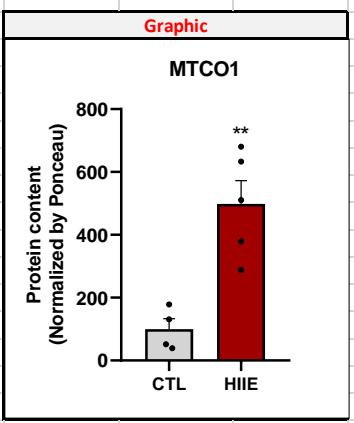
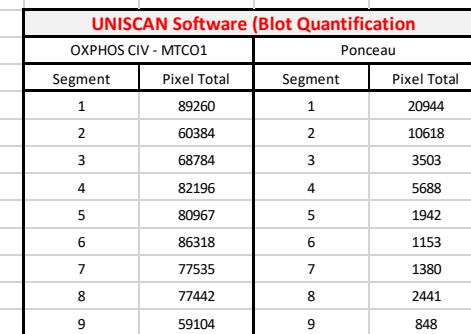
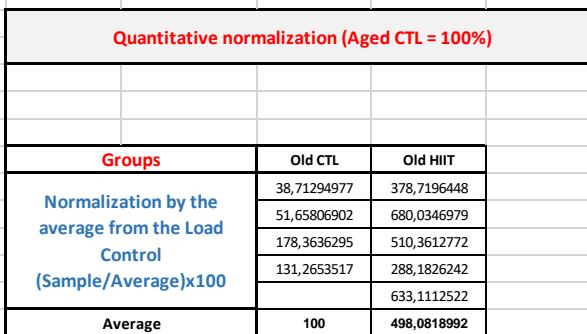
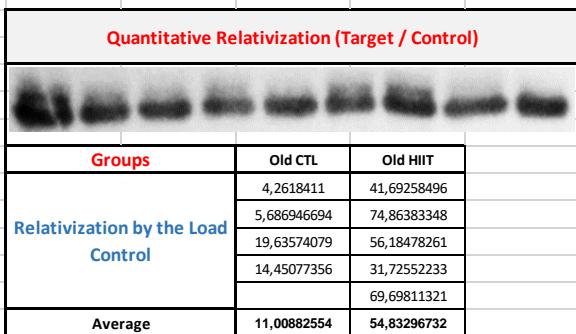
Cordeiro et al.

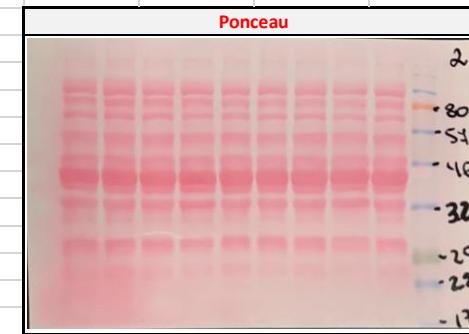
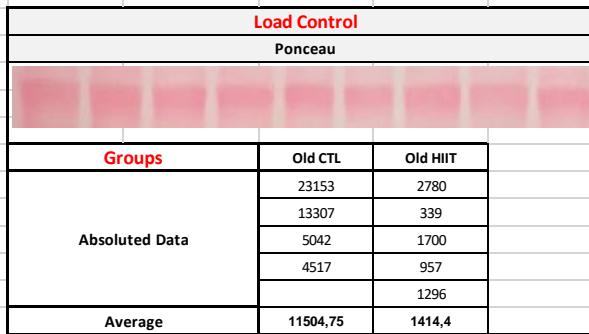
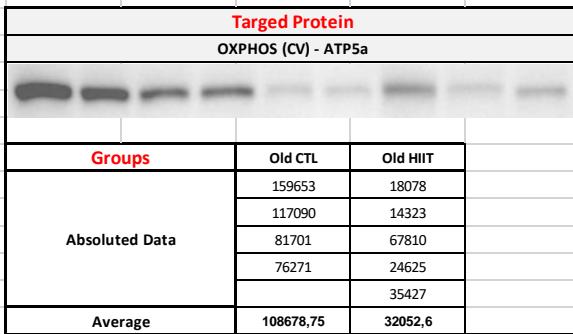
High-Intensity Exercise Training Induces Mitonuclear Imbalance and Activates the Mitochondrial Unfolded Protein Response (UPR_{mt}) in Skeletal Muscle of Aged Mice

WESTERN BLOT SUPPLEMENTARY MATERIAL
Acute High-Intensity Interval Exercise (HIIE)

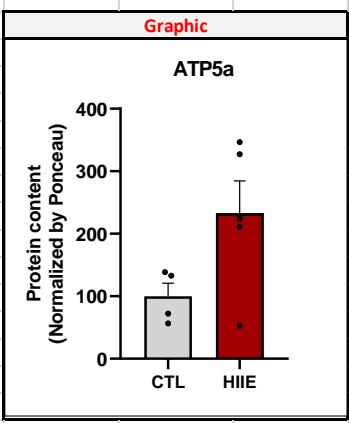
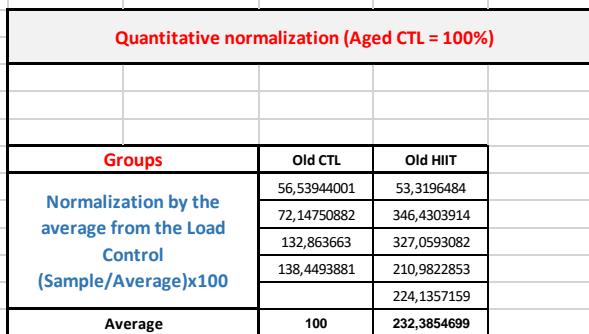
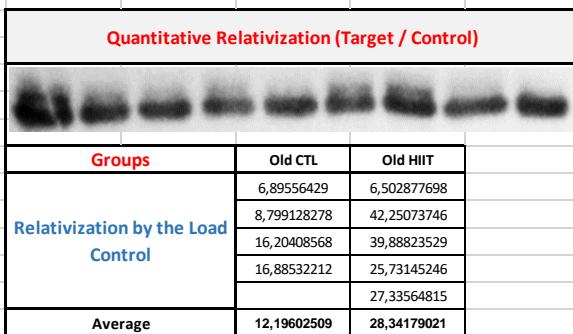


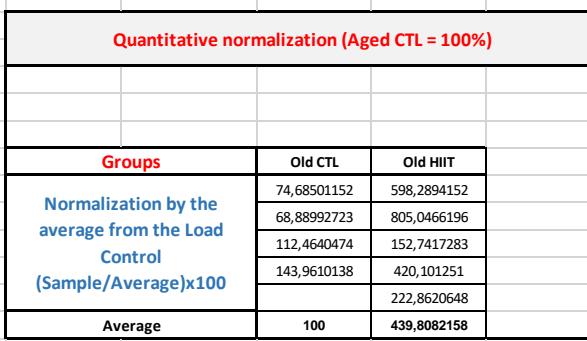
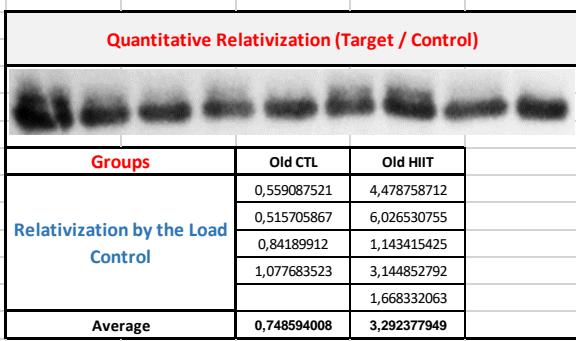
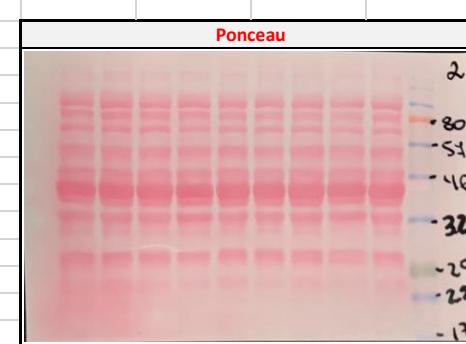
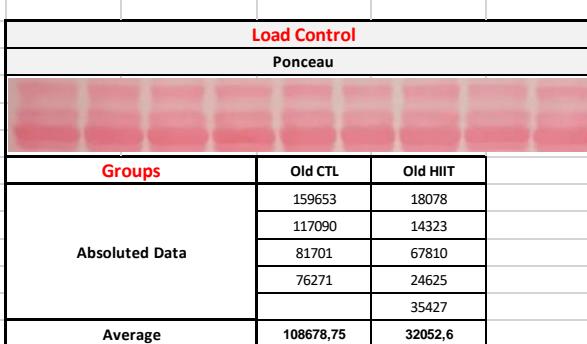
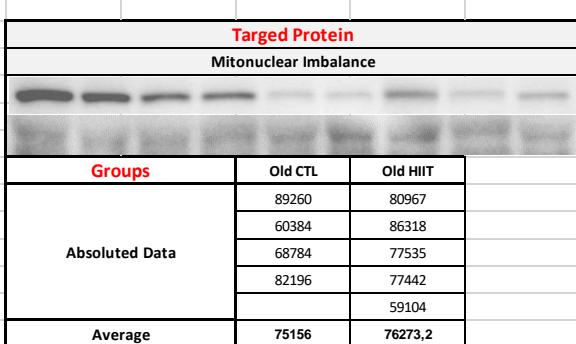
Unpaired T Test	
Table Analyzed	MTCO1 SuperECL
Column B	HIEE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,0029
P value summary	**
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=4,477, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	498,1
Difference between means (B - A) \pm SEM	398,1 \pm 88,92
95% confidence interval	187,8 to 608,4
R squared (eta squared)	0,7411
F test to compare variances	
F, DFn, Dfd	6,233, 4, 3
P value	0,1647
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





Unpaired T Test	
Table Analyzed	ATP5a SuperECL
Column B	HIEE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,0701
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=2,135, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	232,4
Difference between means (B - A) \pm SEM	132,4 \pm 61,99
95% confidence interval	-14,21 to 279,0
R squared (eta squared)	0,3945
F test to compare variances	
F, DFn, Dfd	7,835, 4, 3
P value	0,1223
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





UNISCAN Software (Blot Quantification)

MTCO1		ATP5a	
Segment	Pixel Total	Segment	Pixel Total
1	89260	1	159653
2	60384	2	117090
3	68784	3	81701
4	82196	4	76271
5	80967	5	18078
6	86318	6	14323
7	77535	7	67810
8	77442	8	24625
9	59104	9	35427

Unpaired T Test

Table Analyzed: Mitonuclear imbalance Sample FCI

Column B vs. Column A: HIE vs. CTL

Unpaired t test: P value = 0,0422

P value summary: * (Significantly different ($P < 0.05$))

One- or two-tailed P value? Two-tailed

t, df: t=2,480, df=7

How big is the difference?

Mean of column A: 100

Mean of column B: 439,8

Difference between means (B - A) \pm SEM: $339,8 \pm 137,0$

95% confidence interval: 15,79 to 663,8

R squared (eta squared): 0,4677

F test to compare variances: F, DFn, Dfd: 58,51, 4, 3

P value: 0,0071

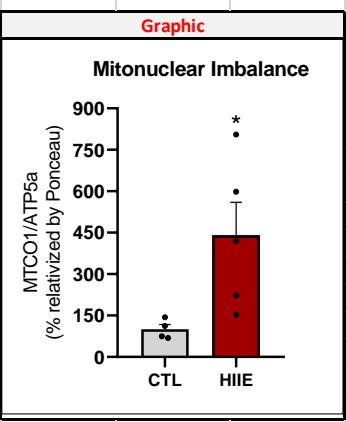
P value summary: ** (Significantly different ($P < 0.05$))

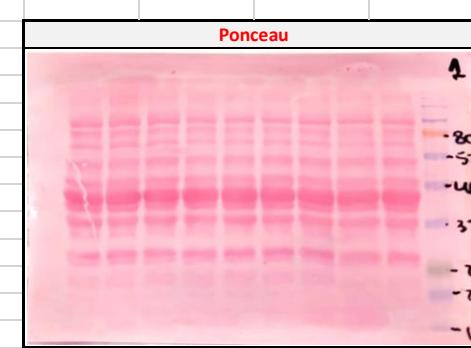
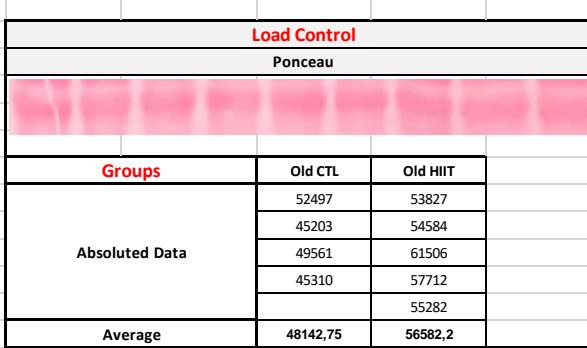
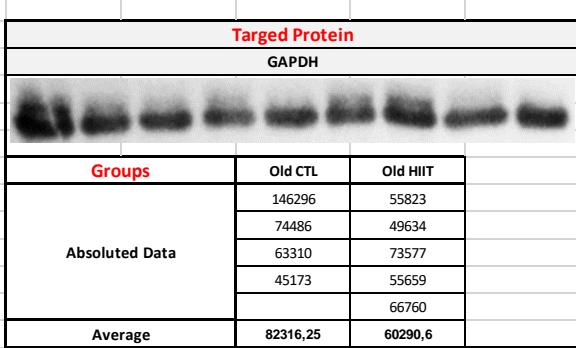
Significantly different ($P < 0.05$): Yes

Data analyzed:

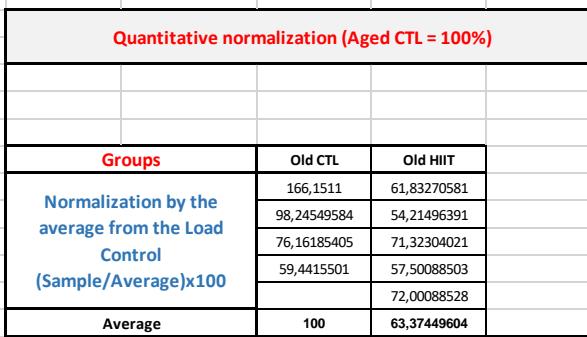
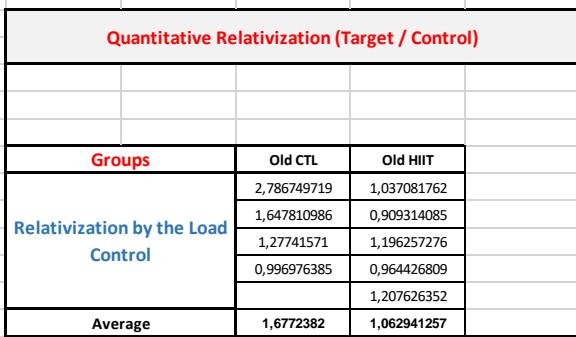
Sample size, column A: 4

Sample size, column B: 5



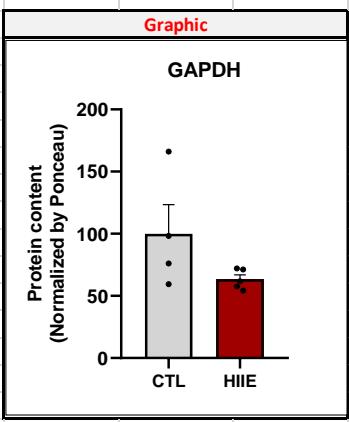


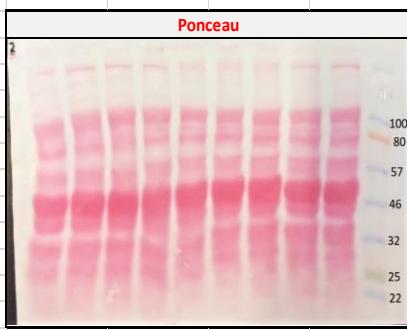
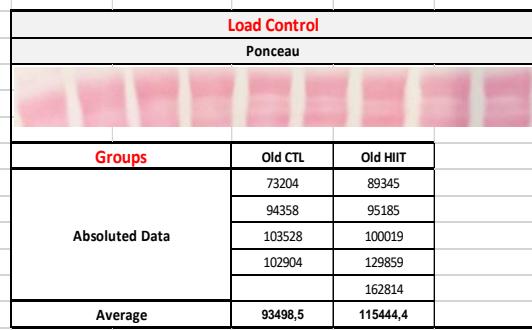
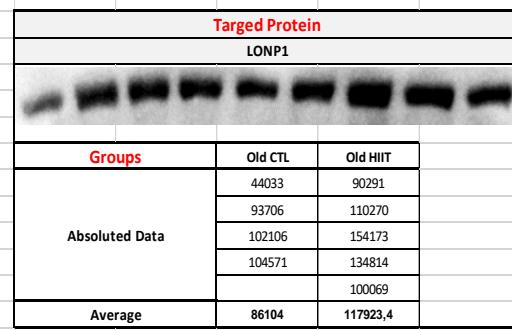
Unpaired T Test	
Table Analyzed	GAPDH Ba
Column B	HIE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,1245
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=1,745, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	63,37
Difference between means (B - A) \pm SEM	-36,63 \pm 20,99
95% confidence interval	-86,25 to 13,00
R squared (eta squared)	0,3032
F test to compare variances	
F, DFn, Dfd	34,02, 3, 4
P value	0,0053
P value summary	**
Significantly different ($P < 0.05$)?	Yes
Data analyzed	
Sample size, column A	4
Sample size, column B	5



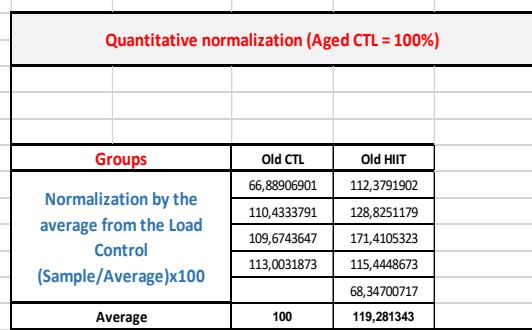
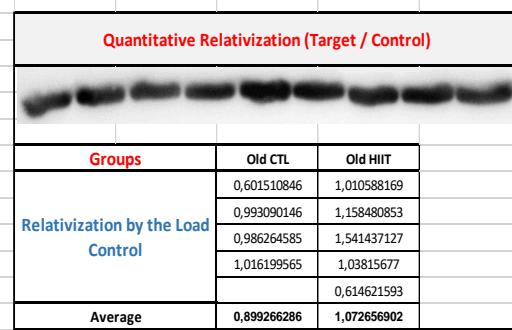
UNISCAN Software (Blot Quantification)

GAPDH		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	146296	1	52497
2	74486	2	45203
3	63310	3	49561
4	45173	4	45310
5	55823	5	53827
6	49634	6	54584
7	73577	7	61506
8	55659	8	57712
9	66760	9	55282

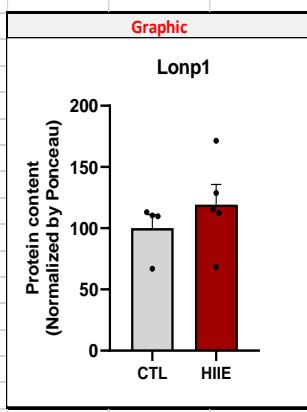




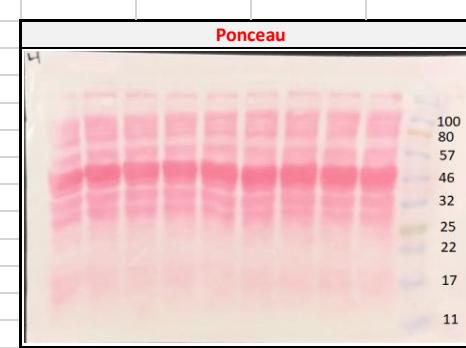
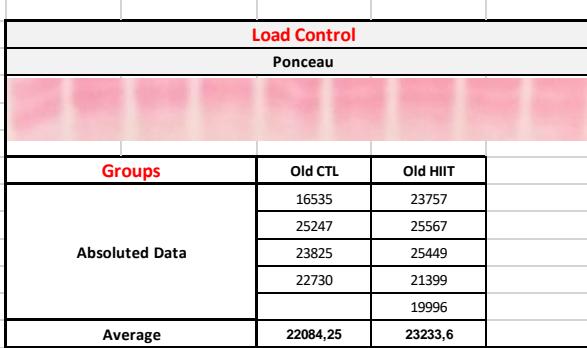
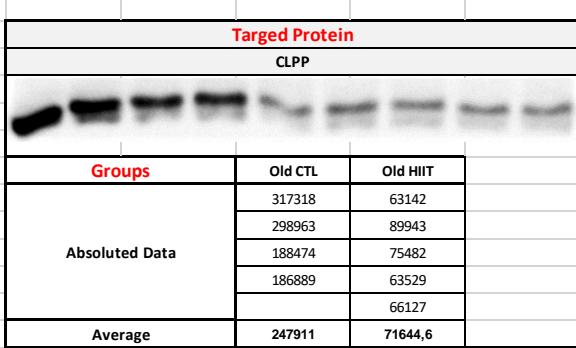
Unpaired T Test	
Table Analyzed	Lonp1
Column B	HIEE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,3915
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0,9133, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	119,3
Difference between means (B - A) \pm SEM	19,28 \pm 21,11
95% confidence interval	-30,64 to 69,20
R squared (eta squared)	0,1065
F test to compare variances	
F, DFn, Dfd	2,792, 4, 3
P value	0,4252
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5



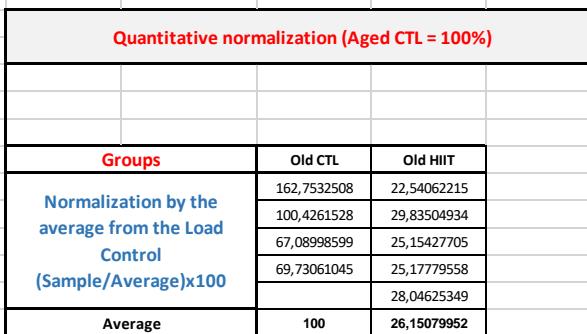
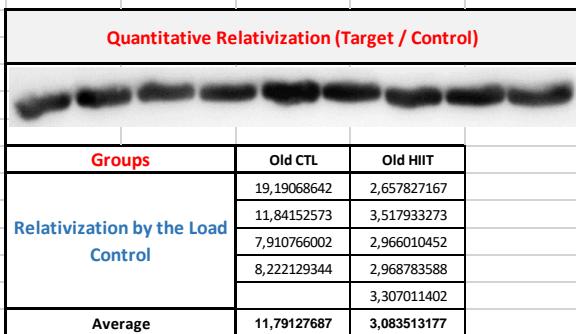
UNISCAN Software (Blot Quantification)			
	LONP1		Ponceau
Segment	Pixel Total	Segment	Pixel Total
1	44033	1	73204
2	93706	2	94358
3	102106	3	103528
4	104571	4	102904
5	90291	5	89345
6	110270	6	95185
7	154173	7	100019
8	134814	8	129859
9	100069	9	162814



	Significant?	P value	Mean of CTL	Mean of HIEE	Difference	SE of difference	t ratio	df	Adjusted P Value
Lonp1	No	0,388107	100	119,3	-19,28	21,88	0,8813	21	0,388107
CLpP	Yes	0,002857	100	26,15	73,85	21,88	3,376	21	0,008546
Yme1L1	Yes	0,005365	100	167,9	-67,92	21,88	3,105	21	0,0107

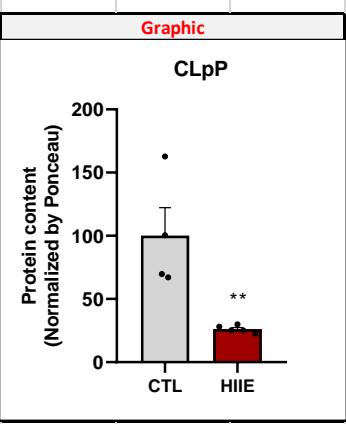


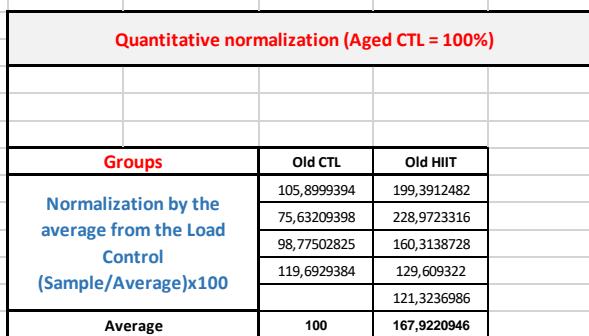
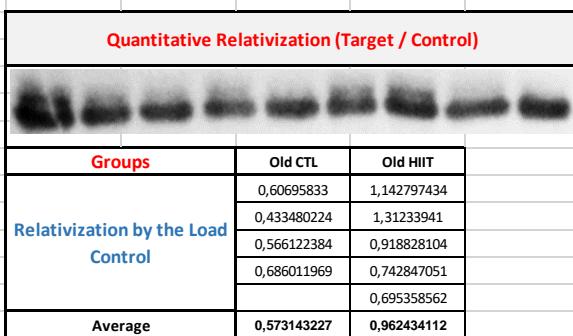
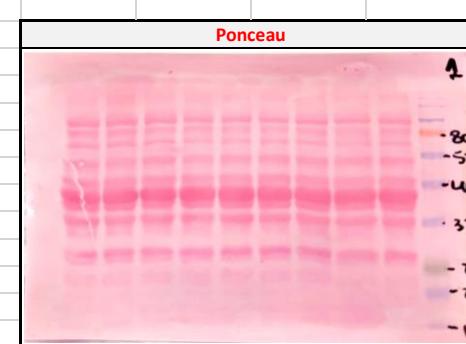
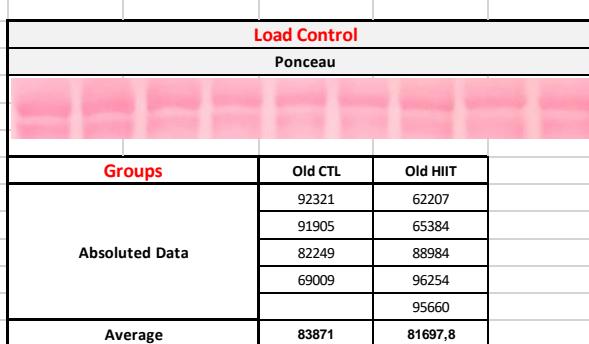
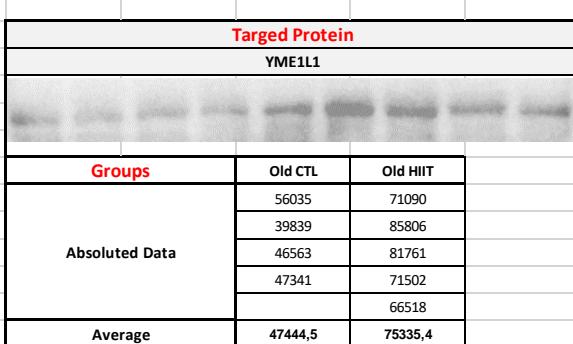
Unpaired T Test	
Table Analyzed	CLpP
Column B	HIEE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,007
P value summary	**
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=3,770, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	26,15
Difference between means (B - A) \pm SEM	-73,85 \pm 19,59
95% confidence interval	-120,2 to -27,53
R squared (eta squared)	0,67
F test to compare variances	
F, DFn, Dfd	246,3, 3, 4
P value	0,0001
P value summary	***
Significantly different ($P < 0.05$)?	Yes
Data analyzed	
Sample size, column A	4
Sample size, column B	5



UNISCAN Software (Blot Quantification)

CLPP		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	317318	1	16535
2	298963	2	25247
3	188474	3	23825
4	186889	4	22730
5	63142	5	23757
6	89943	6	25567
7	75482	7	25449
8	63529	8	21399
9	66127	9	19996



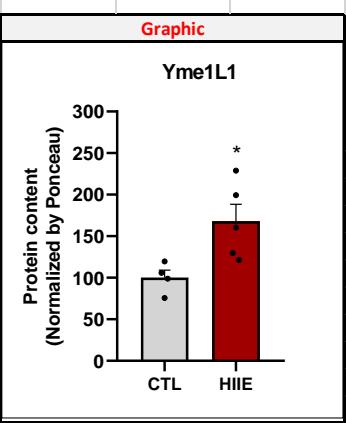


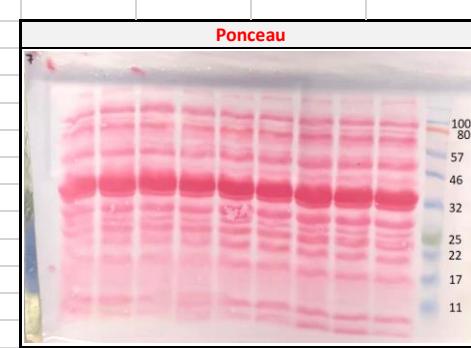
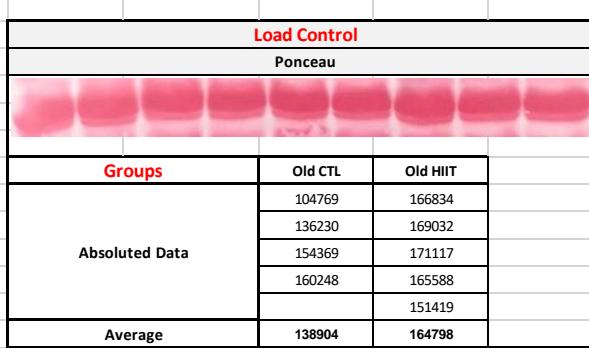
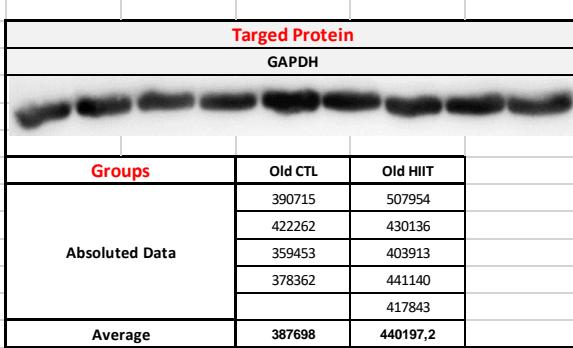
UNISCAN Software (Blot Quantification)

YME1L1		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	56035	1	92321
2	39839	2	91905
3	46563	3	82249
4	47341	4	69009
5	71090	5	62207
6	85806	6	65384
7	81761	7	88984
8	71502	8	96254
9	66518	9	95660

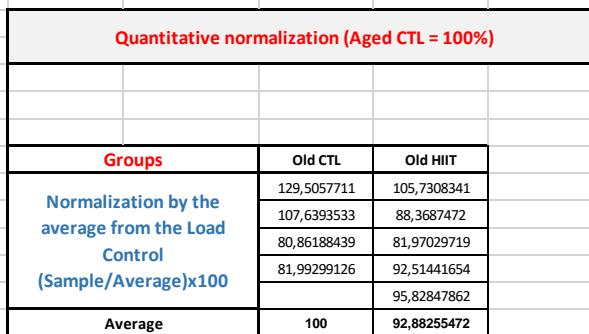
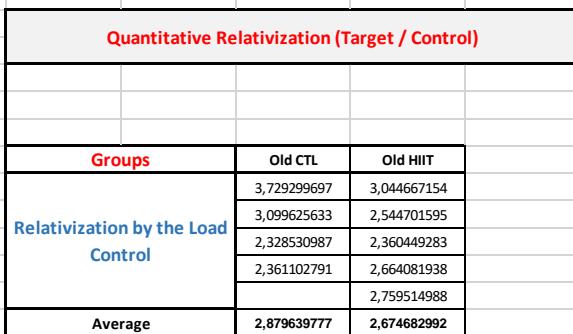
Unpaired T Test

Table Analyzed	Yme1L1 Ba
Column B vs. Column A	HIIIE vs. CTL
Unpaired t test	
P value	0,0282
P value summary	*
Significantly different ($P < 0.05$)?	Yes
One- or two-tailed P value?	Two-tailed
t, df	t=2,758, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	167,9
Difference between means (B - A) \pm SEM	67,92 \pm 24,62
95% confidence interval	9,694 to 126,2
R squared (eta squared)	0,5208
F test to compare variances	
F, DFn, Dfd	6,200, 4, 3
P value	0,1658
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5





Unpaired T Test	
Table Analyzed	GAPDH
Column B	HIEE
vs.	vs,
Column A	CTL
Unpaired t test	
P value	0,5435
P value summary	ns
Significantly different ($P < 0.05$)?	No
One- or two-tailed P value?	Two-tailed
t, df	t=0,6385, df=7
How big is the difference?	
Mean of column A	100
Mean of column B	92,88
Difference between means (B - A) \pm SEM	-7,117 \pm 11,15
95% confidence interval	-33,48 to 19,24
R squared (eta squared)	0,05504
F test to compare variances	
F, DFn, Dfd	6,891, 3, 4
P value	0,0931
P value summary	ns
Significantly different ($P < 0.05$)?	No
Data analyzed	
Sample size, column A	4
Sample size, column B	5



UNISCAN Software (Blot Quantification)

GAPDH		Ponceau	
Segment	Pixel Total	Segment	Pixel Total
1	390715	1	104769
2	422262	2	136230
3	359453	3	154369
4	378362	4	160248
5	507954	5	166834
6	430136	6	169032
7	403913	7	171117
8	441140	8	165588
9	417843	9	151419

