

Circulating microparticles in acute diabetic Charcot foot exhibit a high content of inflammatory cytokines, and support monocyte-to-osteoclast cell induction

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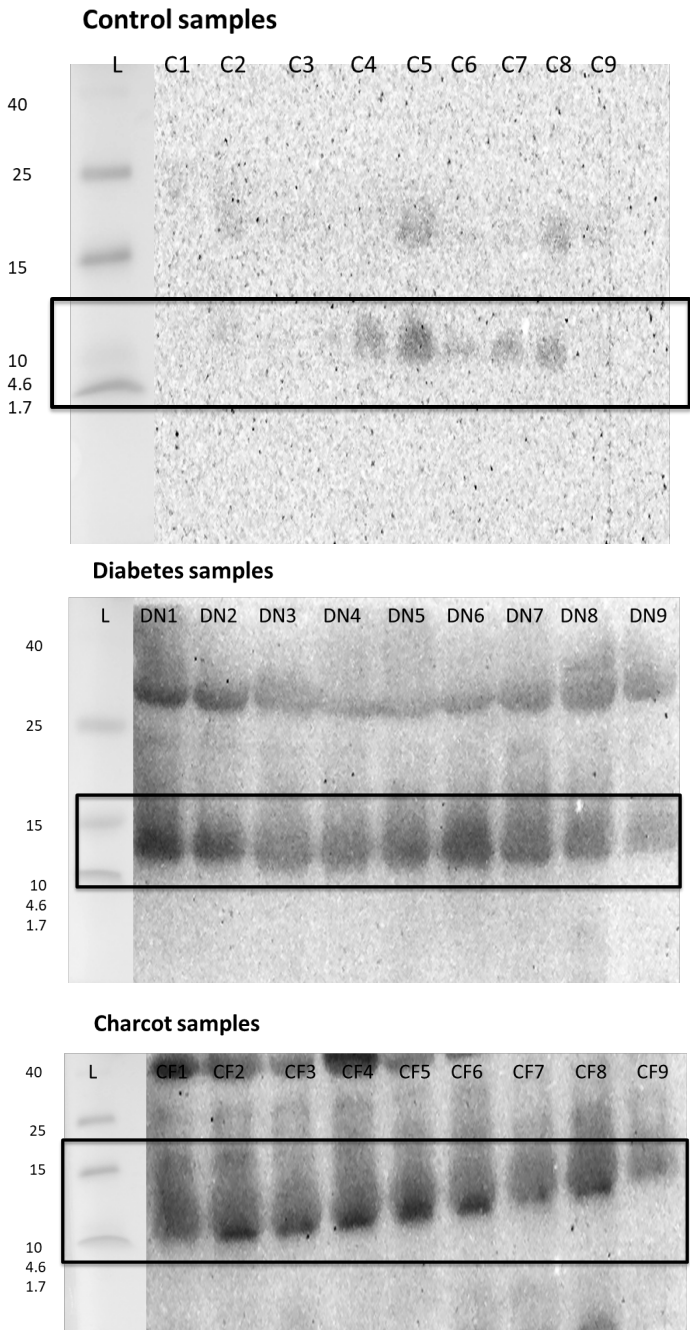
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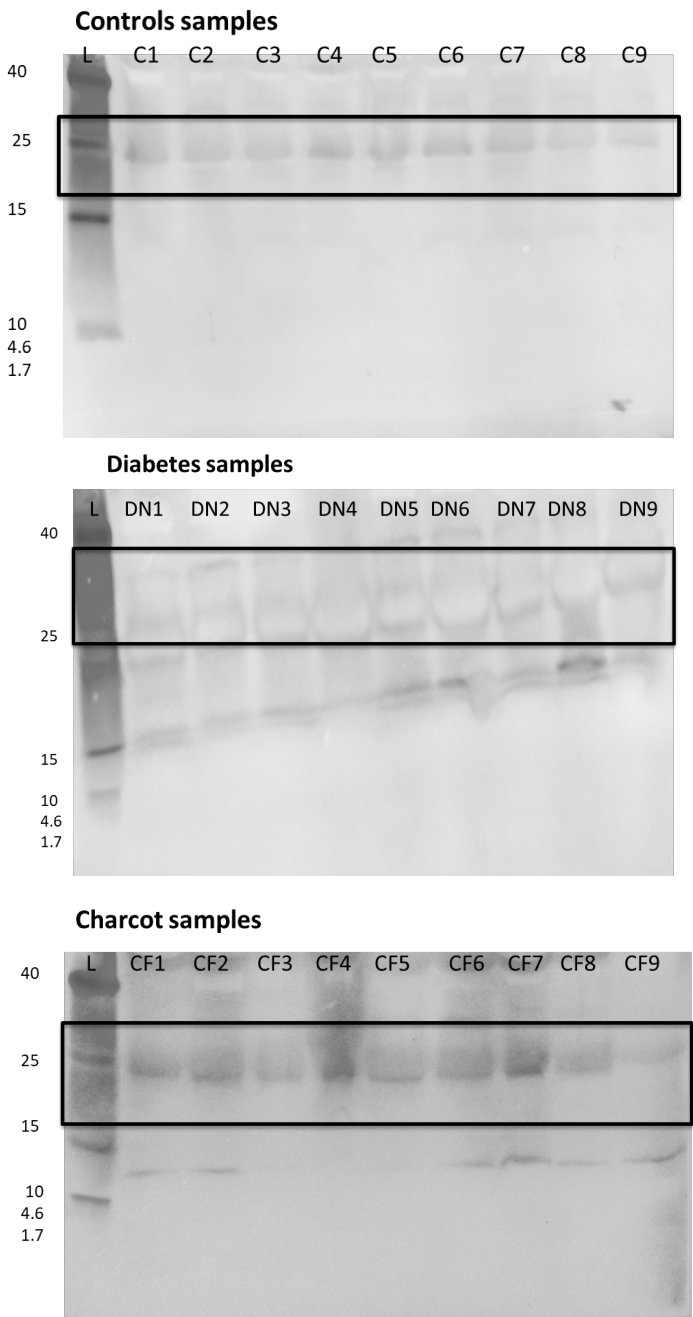
Supplementary Data - 2

Supplementary Figure 6

A – Gro-α Full Blot

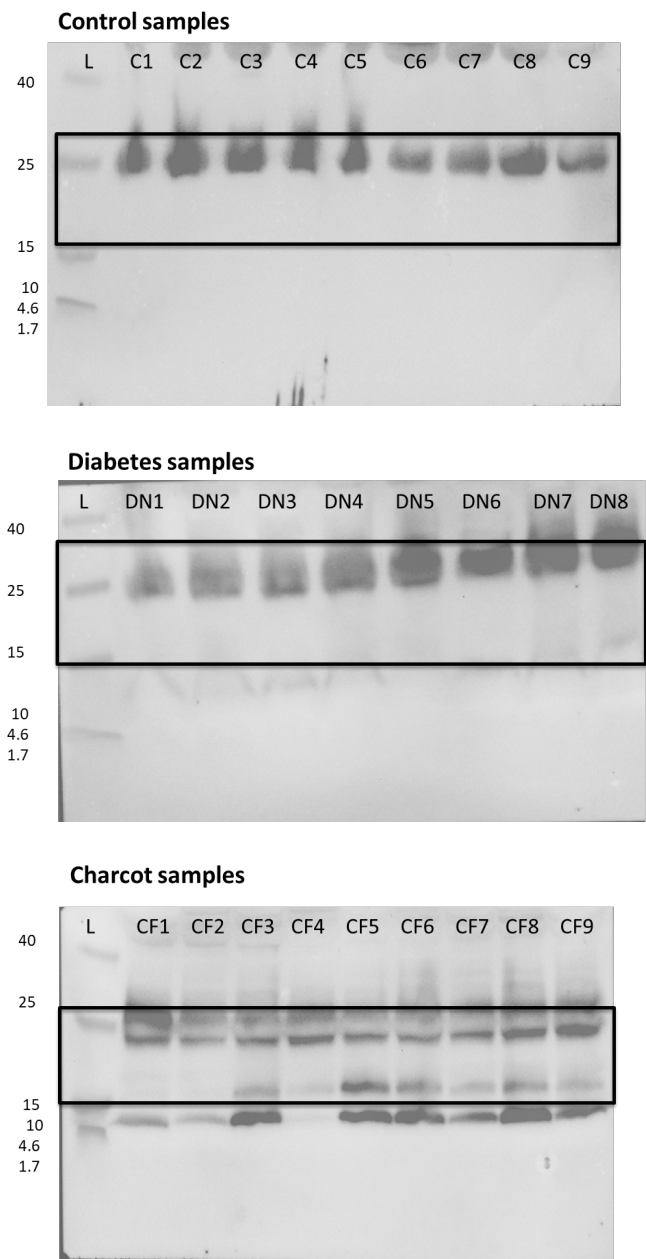


B – G-CSF Full Blot

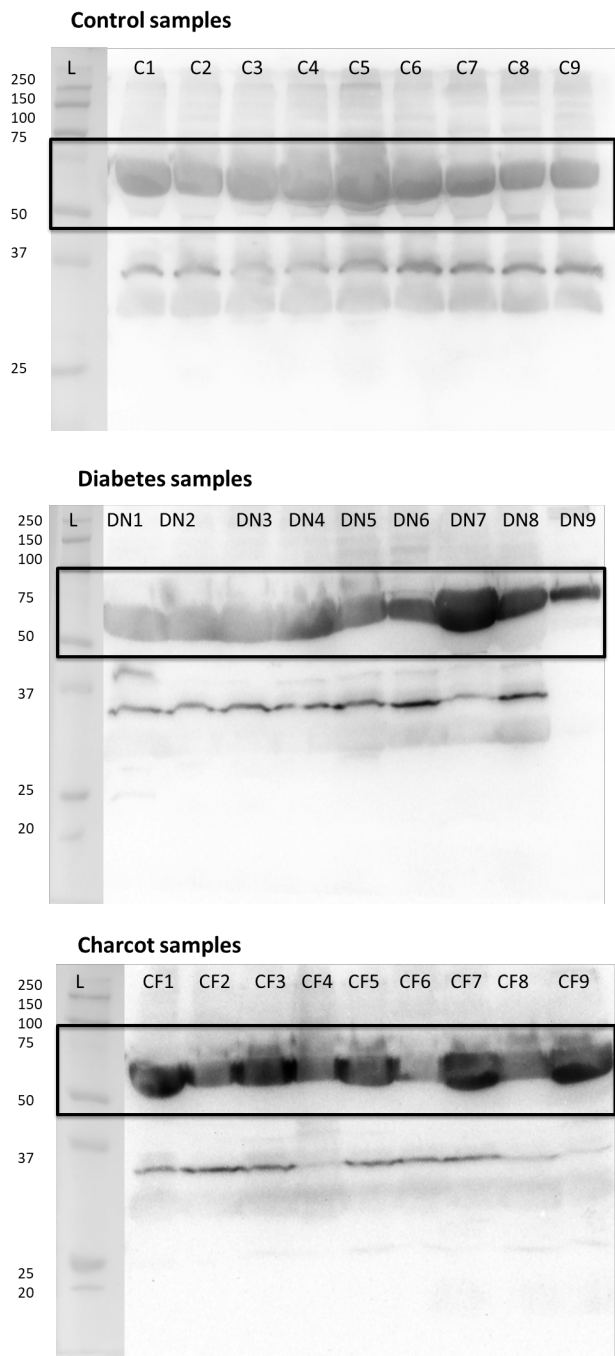


Supplementary Figure 7

A – GM-CSF Full Blot

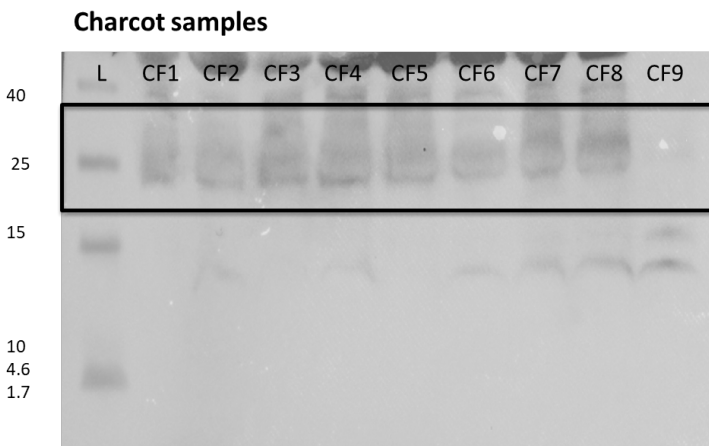
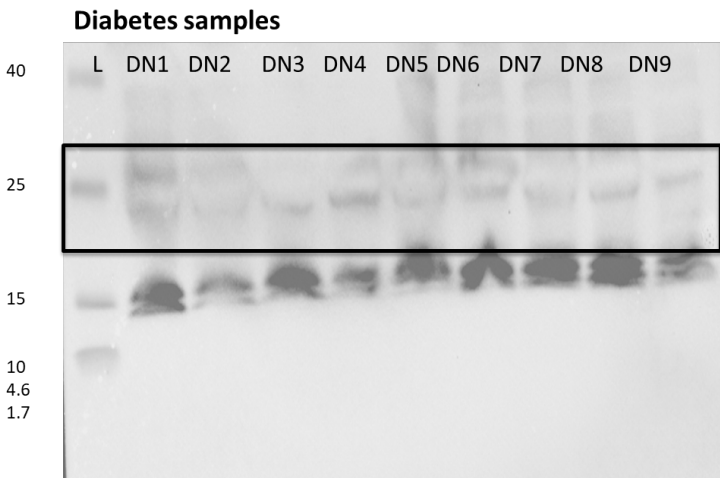
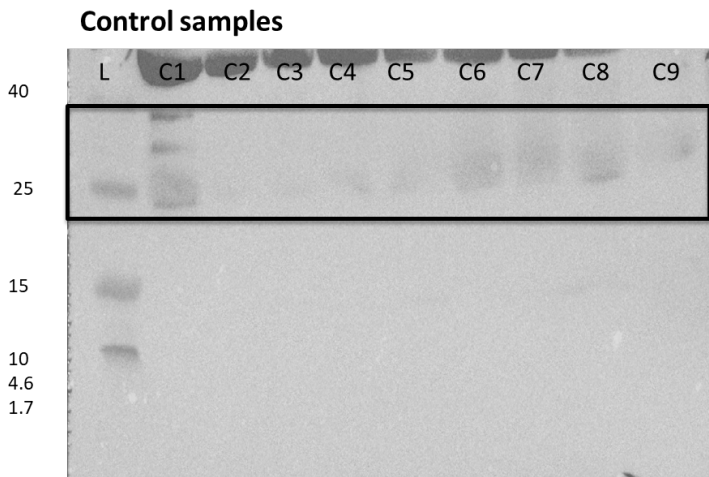


B – IL-16 Full Blot

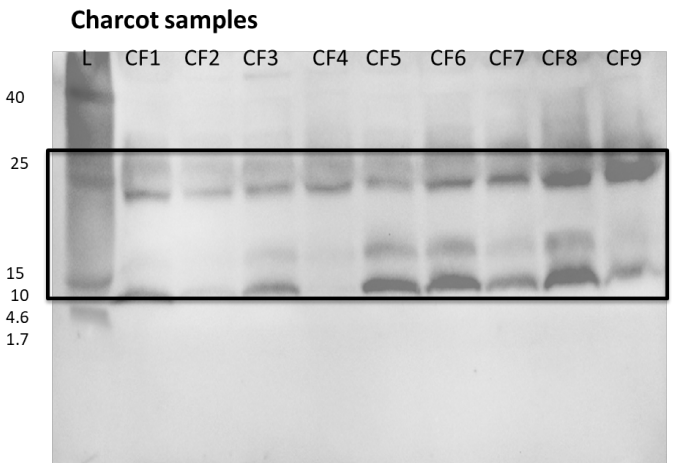
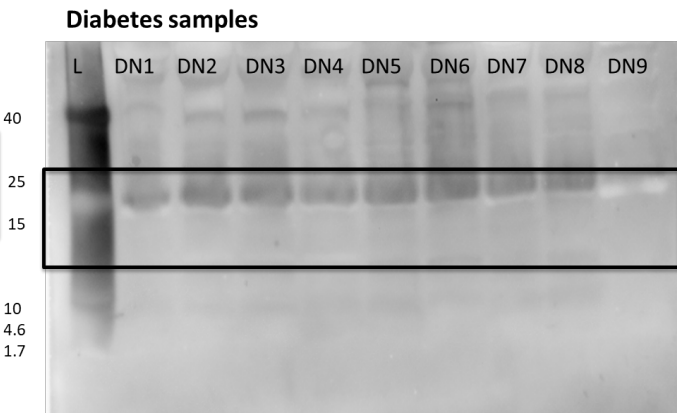
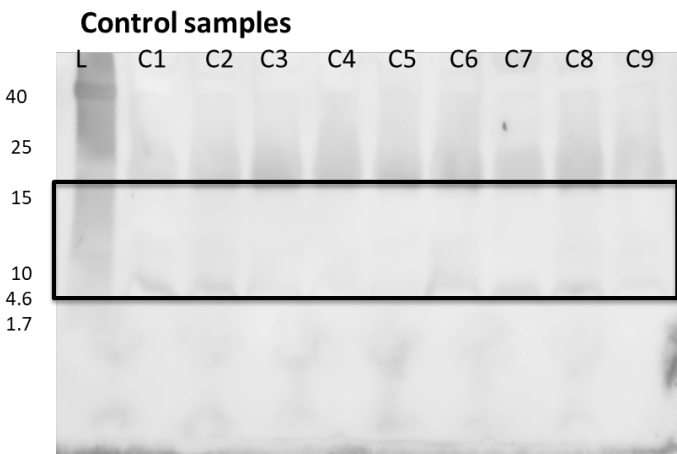


Supplementary Figure 8

A – IL-2 Full Blot



B – IL-1RA Full Blot



Supplementary Table 1

	Forward	Reverse
SOCs 1	TTTTCGCCCTTAGCGTGAAG	CATCCAGGTGAAAGCGGC
SOCs 3	CACCTGGACTCCTATGAGAAAGTGA	GGAGCATCATACTGATCCAGGAA
PIM1	AACTGGTCTTCCTTTTTGGTT	TACCATGCCAACTGTACACAC
IL-6	GGTACATCCTCGACGGCATCT	GT GCCTCTTTGCTGCTTTCAC
IL-8	ATG ACT TCC AAG CTG GCC GT	TCC TTG GCA AAA CTG CAC CT
MCP1	ATG AAA GTC TCT GCC GCC CT CA	GAG ATC TGT GCT GAC CCC AA
TNF-α	AGATGATCTGACTGCCTGGG	CTGCTGCACTTTGGAGTGAT
CCR2	TCACCGCTCTCGTTGGTATT	CTGAGACAAGCCACAAGCTG
IL-1β	AGATGATAAGCCCACTCTACAGC	CTTTAAGTGAGTAGGAGAGGTGAG
GAPDH	ACATCAGCCAAGTCAATGTTTCG	AGCATTAAACAGCAACAATCCGG

Supplementary Table 2

	CF N=11		DN N=11		Control N=11		P-value
	Mean (SD)	Median	Mean (SD)	Median	Mean (SD)	Median	
Activin A	6.928 (11.038)	0.00	4.146 (8.584)	0.00	3.159 (7.989)	0.00	0.533
ADAMTS-1	3.322 (8.392)	0.00	0.801 (2.887)	0.00	0.000 (0.000)	0.00	0.488
Angiogenin	174.689 (46.535)	159.20	157.834 (48.218)	142.62	149.838 (36.577)	144.83	0.293
Angiopoietin-1	11.759 (14.781)	0.00	9.289 (10.118)	11.40	7.261 (7.078)	11.50	0.763
Angiopoietin-2	4.271 (8.984)	0.00	2.647 (5.040)	0.00	0.000 (0.000)	0.00	0.917
Angiostatin	7.562 (11.604)	0.00	1.712 (4.180)	0.00	3.704 (5.814)	0.00	0.108
Amphiregulin	1.044 (3.764)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.317
Artemin	1.445 (5.212)	0.00	1.834 (4.480)	0.00	0.805 (2.903)	0.00	0.611
Coagulation Factor III	6.116 (10.588)	0.00	2.622 (4.984)	0.00	0.000 (0.000)	0.00	0.45
CXCL 16	13.602 (16.684)	0.00	9.300 (8.205)	11.42	5.351 (7.201)	0.00	0.666
DPPIV	33.629 (42.544)	18.76	36.237 (45.809)	10.56	30.315 (27.586)	22.25	0.547
EGF	4.349 (9.230)	0.00	0.942 (3.396)	0.00	0.000 (0.000)	0.00	0.27
EG-VEGF	11.614 (14.519)	11.37	6.089 (9.805)	0.00	5.694 (8.39)	0.00	0.347
Endoglin	5.052 (10.237)	0.00	2.812 (5.415)	0.00	0.864 (3.117)	0.00	0.808
Endostatin	23.491 (20.739)	17.63	18.172 (15.592)	14.53	17.978 (12.824)	19.50	0.68
Endothelin-1	3.073 (7.953)	0.00	1.616 (3.945)	0.00	0.827 (2.981)	0.00	0.87
FGF acidic	1.324 (4.772)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.317
FGF basic	1.467 (5.288)	0.00	1.614 (3.942)	0.00	0.980 (3.534)	0.00	0.611
FGF-4	1.152 (4.153)	0.00	0.793 (2.858)	0.00	0.794 (2.864)	0.00	0.956
FGF-7	3.819 (7.505)	0.00	3.492 (5.458)	0.00	1.675 (6.041)	0.00	0.974
GDNF	3.041 (7.512)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.149
GM-CSF	3.374 (8.359)	0.00	1.738 (4.242)	0.00	0.000 (0.000)	0.00	0.87
HB-EGF	3.905 (9.754)	0.00	1.112 (4.010)	0.00	0.000 (0.000)	0.00	0.488
HGF	4.563 (9.342)	0.00	1.887 (4.666)	0.00	0.000 (0.000)	0.00	0.526
IGFBP-1	58.249 (51.423)	38.35	35.606 (28.627)	33.83	33.350 (26.603)	29.24	0.293
IGFBP-2	58.266 (38.134)	43.28	44.048 (20.094)	46.13	45.648 (31.909)	32.45	0.522
IGFBP-3	79.587 (37.839)	68.08	67.725 (31.964)	62.27	60.915 (32.924)	58.11	0.293
IL-1β	1.656 (5.972)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.317
IL-8	1.243 (4.480)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.317
LAP (TGF-β1)	13.817 (22.490)	0.00	19.200 (23.460)	13.45	15.442 (23.749)	0.00	0.396
Leptin	16.050 (29.831)	0.00	20.223 (30.067)	0.00	13.878 (15.980)	13.77	0.884
MCP-1	0.971 (3.501)	0.00	0.816 (2.942)	0.00	0.789 (2.846)	0.00	0.956
MIP-1a	4.199 (8.227)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.072
MMP-8	10.723 (21.916)	0.00	0.850 (3.063)	0.00	0.000 (0.000)	0.00	0.109
MMP-9	49.102 (44.357)	37.29	23.795 (22.673)	21.02	23.755 (17.502)	23.67	0.154
NRG1-β1	8.041 (12.401)	0.00	5.693 (8.091)	0.00	0.905 (3.263)	0.00	0.792
Pentraxin 3 (PTX3)	13.559 (14.844)	13.43	5.604 (7.634)	0.00	6.079 (7.035)	0.00	0.139
PD-ECGF	9.170 (14.118)	0.00	5.804 (8.037)	0.00	3.653 (7.077)	0.00	0.747
PDGF-AA	12.172 (17.093)	0.00	10.842 (12.212)	11.19	6.232 (10.539)	0.00	0.763
PDGF-AB/PDGF-BB	3.958 (10.343)	0.00	0.000 (0.000)	0.00	1.021 (3.681)	0.00	0.149
Persephin	4.159 (7.266)	0.00	0.964 (3.475)	0.00	1.079 (3.892)	0.00	0.168
Platelet Factor 4 (PF4)	105.107 (43.683)	104.28	96.942 (32.839)	86.88	94.003 (52.234)	84.08	0.489
PIGF	2.414 (6.262)	0.00	2.722 (5.253)	0.00	0.863 (3.110)	0.00	0.682
Prolactin	2.264 (5.569)	0.00	5.812 (10.416)	0.00	2.163 (7.800)	0.00	0.367
Serpin B5	7.501 (11.971)	0.00	3.891 (6.115)	0.00	0.000 (0.000)	0.00	0.616
Serpin E1	39.907 (41.269)	30.40	34.790 (31.977)	19.77	31.881 (29.73)	20.43	0.898
Serpin F1	30.862 (27.232)	18.53	20.592 (12.816)	16.13	23.499 (30.687)	21.42	0.521
TIMP-1	113.772 (67.329)	101.53	116.281 (52.097)	114.74	95.455 (48.833)	98.18	0.858
TIMP-4	18.193 (19.846)	13.87	13.953 (13.809)	12.90	9.753 (9.056)	11.03	0.689
Thrombospondin-1	124.479 (45.299)	116.97	109.614 (42.515)	108.74	97.789 (44.091)	85.30	0.457
Thrombospondin-2	4.285 (8.704)	0.00	1.992 (4.897)	0.00	1.010 (3.640)	0.00	0.526
uPA	4.920 (10.513)	0.00	1.211 (4.365)	0.00	0.882 (3.182)	0.00	0.27
Vasohibin	2.501 (6.510)	0.00	0.895 (3.227)	0.00	0.000 (0.000)	0.00	0.548
VEGF	5.300 (8.932)	0.00	4.201 (6.89)	0.00	3.913 (7.839)	0.00	0.851
VEGF-C	1.035 (3.730)	0.00	0.000 (0.000)	0.00	0.000 (0.000)	0.00	0.317

LEGENDS

- **Supplementary Figure 6.** Full blot of the cropped blot presented in Figure 3. **(A)** Gro- α **(B)** G-CSF . The black box represents the cropped part presented in the Figure
- **Supplementary Figure 7.** Full blot of the cropped blot presented in Figure 3. **(A)** GM-CSF **(B)** IL-16. The black box represents the cropped part presented in the Figure
- **Supplementary Figure 8.** Full blot of the cropped blot presented in Figure 3. **(A)** IL-2 **(B)** IL-1RA. The black box represents the cropped part presented in the Figure
- **Supplementary Table 1.** Primers list.
- **Supplementary Table 2. Angiogenesis array between the studied groups.** Data are presented as mean (SD) and Median., DN: Diabetic neuropathy, CF: Charcot foot disease.