

**Table S1: Effect size analysis of all the test parameters reported in the study**

Test parameters	aAT Mean ± SD	Control Mean ± SD	Cohen's d (Effect size) (95% confidence Interval lower, Upper)
<b>Oxidative Stress markers (Calorimetric method based assay)</b>			
8-OHdG (ng/ml)	20.467± 12.294	8.725± 7.255	1.163 (0.744, 1.577)
MDA (nmol/ml)	8.376± 4.938	5.815± 2.776	0.640 (0.244, 1.032)
GSH-GSSG ratio	7.462±4.335	4.884± 2.787	0.707 (0.308, 1.108)
SOD (Units/mg)	9.469± 6.802	16.742± 11.031	-0.793 (-1.191, -0.392)
CATALASE (Units/mg)	16.584± 14.987	41.531± 37.051	-0.883 (-1.283, -0.477)
<b>Atherogenic factors in treated macrophages (Transcript, 2<sup>-ΔCt</sup>)</b>			
<i>IFN-γ</i>	0.0018± 0.0024	0.0004± 0.0003	0.833 (0.4297, 1.2316)
<i>TNFα</i>	0.0074±0 .0180	0.0013±0.0022	0.476 (0.0857, 0.8654)
<i>IL-1β</i>	0.0051±0.0114	0.0016± .0015	0.438 (0.0481, 0.8262)
<i>IL-6</i>	0.0128± 0.0215	0.0027± 0.0026	0.622 (0.2657, 1.0556)
<i>IL-10</i>	0.0022± 0.0024	0.0031± 0.0039	-0.284 (-0.6698, 0.1028)
<i>IL-12B</i>	0.0006±0.0006	0.0004± 0.0006	0.298 (-0.0897, 0.6833)
<i>IL-18</i>	0.0075± 0.0162	0.0044± 0.0098	0.239 (-0.1468, 0.6247)
<i>IL-23</i>	0.0089± 0.0133	0.0029± 0.0038	0.600 (0.2059, 0.9921)
<i>IL-33</i>	0.0020± 0.0019	0.0012± 0.0015	0.463 (0.0726, 0.8518)
<i>MCP1</i>	0.0013± 0.0019	0.0005± 0.0009	0.513 (0.1212, 0.9028)
<i>GMCSF</i>	0.0019± 0.0038	0.0009± 0.0015	0.346 (-0.0426, 0.7320)
<b>Expression in neutrophils (Transcript, 2<sup>-ΔCt</sup>)</b>			
MPO	0.0022± 0.0047	0.0003± 0.0006	0.569 (0.1761, 0.9605)
IL-33R	0.0053± 0.0095	.0014± .0025	0.562 (.1687, .9528)
<b>Necroptosis markers in treated macrophages (Transcript, 2<sup>-ΔCt</sup>)</b>			
<i>RIPK1</i>	0.0021± 0.0039	0.0013± 0.0021	0.239 (-0.1466, 0.6249)
<i>RIPK3</i>	0.0037± 0.0082	0.0025± 0.0052	0.186 (-0.2001, 0.5703)
<i>MLKL</i>	0.0040±0.0025	0.0049± 0.0092	-0.137 (-0.5218, 0.2478)
<b>Inflammasomes (Transcript, 2<sup>-ΔCt</sup>)</b>			

<i>AIM2</i>	0.005±0.0093	0.0034±0.0039	0.242 (-0.1437, 0.6278)
<i>NLRP1</i>	0.0032±0.0032	0.0021±0.0023	0.389 (0.00023, 0.7763)
<i>NLRP3</i>	0.0095±.0181	0.0041±0.0075	0.390 (0.0014, 0.7775)
<i>NLRC4</i>	0.0161±0.0256	0.0039±0.0049	0.657 (0.2609, 1.0504)
<b>TIMPs and MMPs (Transcript, 2<sup>-ΔCt</sup>)</b>			
<i>TIMP1</i>	0.0046± 0.0090	0.0151± 0.0255	-0.547 (-0.9377, -0.1544)
<i>TIMP2</i>	0.0039± 0.0057	0.0075± 0.0120	-0.371 (-0.7578, 0.0175)
<i>TIMP3</i>	0.0012± 0.0019	0.0028± 0.0042	-0.495 (-0.8843, -0.1037)
<i>TIMP4</i>	0.0038± 0.0055	0.0076± 0.0141	-0.348 (-0.7348, 0.0398)
<i>MMP-1</i>	0.0017± 0.0024	0.0013± 0.0018	0.232 (-.1541, .6173)
<i>MMP-2</i>	0.0019± 0.0027	0.0013± 0.0024	0.233 (-0.1530, 0.6183)
<i>MMP-3</i>	0.0081± 0.0180	0.0017± 0.0028	0.491 (0.1004, 0.8809)
<i>MMP-7</i>	0.0032±0.0078	0.0017± 0.0030	0.241 (-0.1445, 0.6270)
<i>MMP-9</i>	0.0012± 0.0023	0.0006± 0.0015	0.330 (-0.0578, 0.7162)
<i>MMP-12</i>	0.0069± 0.0273	0.0022±0.0057	0.234 (-0.1519, 0.6195)
<i>MMP-13</i>	0.0046± 0.0134	0.0009± 0.0019	0.383 (-0.0049, .7710)
<i>MMP-14</i>	0.0019± 0.0022	0.0016± 0.0021	0.135 (-0.2490, 0.5206)
<b>ELISA based protein quantification data</b>			
MPO (PLAQUE) (pg/ml)	283.4 ± 169.7	--	--
IL-33R (PLAQUE) (pg/ml)	76.08 ± 50.29	--	--
RIPK-1 (ng/ml)	0.492 ± 0.384	0.849 ± 0.575	0.730 (.3317, 1.1261)
RIPK-3 (ng/ml)	1.511± 0.955	1.040± 0.551	0.604 (.2089, .9953)
MLKL (ng/ml)	2.597± 2.10	1.822± 0.910	0.701 (.3030, 1.0954)