

Table S1: Complete list of p-values of the supernatant fluids analysis corresponding to Figure 4. Inflamed control (IC).

	FCS vs FCS+HA	FCS vs HAS	HAS vs HAS+HA	FCS+HA vs HAS+HA	IC vs FCS	IC vs FCS+HA	IC vs HAS	IC vs HAS+HA
PDGF-BB	>0.999	0.231	>0.999	0.231	0.080	0.250	>0.999	0.485
IL-12	0.196	0.048	0.525	0.062	0.331	0.331	0.331	0.331
MIP-1 β	0.045	0.100	0.291	0.881	>0.999	0.018	0.282	0.080
IL-1Ra	0.258	0.082	0.464	0.540	0.252	0.070	0.252	0.252
IL-6	>0.999	>0.999	>0.999	>0.999	>0.999	>0.999	0.485	0.786
GM-CSF	>0.999	0.045	>0.999	0.823	>0.999	0.485	0.018	0.039
RANTES	>0.999	0.107	>0.999	0.455	>0.999	0.786	>0.999	>0.999
IL-2	0.214	0.034	0.719	0.419	>0.999	0.373	0.036	0.080
IL-9	0.939	0.242	0.482	0.217	0.282	0.155	>0.999	>0.999
IL-10	0.373	0.622	>0.999	>0.999	0.009	0.009	0.009	0.009
G-CSF	>0.999	0.107	>0.999	0.455	>0.999	>0.999	0.203	0.080
IP-10	0.378	0.376	0.606	0.546	0.263	0.263	0.263	0.263
IL-13	0.241	0.791	0.936	0.098	0.282	0.157	0.485	0.786
VEGF	0.413	0.103	0.233	0.135	>0.999	>0.999	0.282	>0.999
IL-7	0.647	0.031	0.968	0.212	0.320	0.320	0.214	0.320
IFN γ	0.823	>0.999	>0.999	>0.999	>0.999	0.373	0.056	0.056
IL-8	0.311	0.142	0.173	0.401	>0.999	>0.999	0.786	>0.999
IL-1 β	>0.999	>0.999	>0.999	>0.999	0.485	0.080	0.282	0.155
MIP-1 α	>0.999	0.786	>0.999	>0.999	>0.999	0.282	0.080	0.039
IL-15	0.994	0.045	0.173	0.065	0.122	0.122	0.122	0.122
MCP-1	>0.999	0.786	>0.999	0.065	0.018	0.039	0.485	>0.999
BFGF	0.399	0.400	0.526	0.320	0.308	0.308	0.308	0.308
IL-5	0.517	0.021	0.021	0.321	0.101	0.101	0.018	0.024
IL-4	>0.999	0.786	>0.999	>0.999	0.786	0.485	0.039	0.080
IL-17	>0.999	0.981	>0.999	>0.999	>0.999	0.211	0.112	0.039
TNF α	0.282	0.038	>0.999	>0.999	>0.999	0.039	0.080	0.155
Eotaxin	0.566	0.304	0.894	0.092	>0.999	>0.999	>0.999	0.786

Table S2: List of Pearson correlation values for the different conditions

FCS

	PDGF-BB	IL-12	MIP-1β	IL-1ra	IL-6	GM-CSF	RANTES	IL-2	IL-9	IL-10	G-CSF	IP-10	IL-13	VEGF	IL-7	IFNγ	IL-8	IL-1β	MIP-1α	IL-15	MCP-1	BFGF	IL-5	IL-4	IL-17	TNFα	Eotaxin
PDGF-BB	1.000																										
IL-12	0.950	1.000																									
MIP-1β	0.902	0.992	1.000																								
IL-1ra	0.914	0.995	1.000	1.000																							
IL-6	0.786	0.940	0.976	0.969	1.000																						
GM-CSF	0.619	0.833	0.897	0.884	0.972	1.000																					
RANTES	0.535	0.772	0.847	0.831	0.943	0.995	1.000																				
IL-2	0.520	0.761	0.838	0.821	0.937	0.993	1.000	1.000																			
IL-9	0.453	0.709	0.793	0.775	0.908	0.981	0.996	0.997	1.000																		
IL-10	0.484	0.733	0.814	0.797	0.922	0.987	0.998	0.999	0.999	1.000																	
G-CSF	0.505	0.749	0.828	0.811	0.931	0.990	0.999	1.000	0.998	1.000	1.000																
IP-10	0.651	0.856	0.915	0.903	0.981	0.999	0.990	0.987	0.972	0.979	0.984	1.000															
IL-13	0.283	0.568	0.669	0.647	0.816	0.928	0.962	0.966	0.983	0.976	0.971	0.912	1.000														
VEGF	0.981	0.871	0.801	0.818	0.651	0.455	0.361	0.345	0.272	0.305	0.328	0.491	0.091	1.000													
IL-7	0.971	0.847	0.772	0.790	0.614	0.411	0.316	0.299	0.225	0.259	0.282	0.449	0.043	0.999	1.000												
IFNγ	0.939	0.785	0.699	0.720	0.525	0.311	0.212	0.195	0.119	0.154	0.177	0.351	-0.064	0.988	0.994	1.000											
IL-8	0.802	0.575	0.466	0.491	0.260	0.027	-0.075	-0.093	-0.169	-0.134	-0.111	0.069	-0.346	0.903	0.922	0.958	1.000										
IL-1β	0.582	0.299	0.175	0.203	-0.046	-0.279	-0.375	-0.392	-0.461	-0.430	-0.408	-0.238	-0.615	0.729	0.761	0.826	0.953	1.000									
MIP-1α	-0.972	-0.997	-0.979	-0.984	-0.910	-0.787	-0.720	-0.708	-0.651	-0.678	-0.695	-0.812	-0.502	-0.907	-0.886	-0.831	-0.638	-0.373	1.000								
IL-15	-0.999	-0.960	-0.916	-0.927	-0.806	-0.645	-0.563	-0.548	-0.483	-0.513	-0.533	-0.676	-0.315	-0.974	-0.962	-0.927	-0.782	-0.555	0.979	1.000							
MCP-1	-0.730	-0.907	-0.953	-0.944	-0.996	-0.989	-0.968	-0.963	-0.940	-0.951	-0.958	-0.994	-0.862	-0.584	-0.544	-0.451	-0.177	0.131	0.871	0.752	1.000						
BFGF	-0.755	-0.922	-0.964	-0.956	-0.999	-0.982	-0.958	-0.953	-0.927	-0.939	-0.947	-0.989	-0.842	-0.614	-0.575	-0.484	-0.214	0.093	0.889	0.777	0.999	1.000					
IL-5	-0.340	-0.617	-0.712	-0.692	-0.849	-0.949	-0.976	-0.980	-0.992	-0.987	-0.984	-0.935	-0.998	-0.151	-0.104	0.004	0.289	0.567	0.553	0.371	0.891	0.873	1.000				
IL-4	-0.224	-0.517	-0.622	-0.599	-0.779	-0.904	-0.943	-0.949	-0.970	-0.961	-0.954	-0.885	-0.998	-0.030	0.017	0.125	0.403	0.662	0.448	0.256	0.829	0.808	0.993	1.000			
IL-17	0.052	-0.262	-0.383	-0.356	-0.577	-0.752	-0.815	-0.825	-0.866	-0.848	-0.836	-0.724	-0.943	0.245	0.291	0.392	0.639	0.843	0.185	-0.019	0.644	0.615	0.921	0.962	1.000		
TNFα	0.146	-0.170	-0.294	-0.266	-0.497	-0.686	-0.757	-0.768	-0.815	-0.794	-0.780	-0.655	-0.907	0.336	0.380	0.478	0.708	0.890	0.092	-0.114	0.569	0.538	0.880	0.931	0.996	1.000	
Eotaxin	0.104	-0.212	-0.334	-0.307	-0.533	-0.717	-0.784	-0.795	-0.839	-0.819	-0.806	-0.687	-0.924	0.296	0.341	0.440	0.678	0.870	0.134	-0.071	0.603	0.573	0.900	0.946	0.999	0.999	1.000

FCS + HA

	MIP-1β	IL-6	IL-1ra	GM-CSF	IL-10	RANTES	IL-9	G-CSF	PDGF-BB	MIP-1α	IL-2	IL-1β	Eotaxin	MCP-1	IFNγ	IP-10	BFGF	IL-4	IL-15	IL-13	IL-8	IL-17	IL-12	IL-7	TNFα	IL-5	VEGF
MIP-1β	1,000																										
IL-6	0.995	1,000																									
IL-1ra	0.995	1,000	1,000																								
GM-CSF	0.999	0.998	0.998	1,000																							
IL-10	0.987	0.998	0.998	0.992	1,000																						
RANTES	0.973	0.991	0.991	0.981	0.997	1,000																					
IL-9	0.863	0.908	0.908	0.881	0.933	0.956	1,000																				
G-CSF	0.813	0.866	0.866	0.834	0.896	0.926	0.996	1,000																			
PDGF-BB	0.516	0.598	0.598	0.549	0.648	0.701	0.879	0.919	1,000																		
MIP-1α	0.226	0.320	0.320	0.263	0.380	0.446	0.688	0.751	0.951	1,000																	
IL-2	-0.058	0.040	0.040	-0.020	0.103	0.175	0.455	0.534	0.825	0.959	1,000																
IL-1β	-0.260	-0.353	-0.353	-0.297	-0.412	-0.477	-0.712	-0.774	-0.961	-0.999	-0.949	1,000															
Eotaxin	-0.643	-0.715	-0.715	-0.672	-0.758	-0.803	-0.942	-0.969	-0.988	-0.891	-0.727	0.907	1,000														
MCP-1	-0.497	-0.580	-0.580	-0.530	-0.630	-0.685	-0.868	-0.910	-1.000	-0.958	-0.837	0.967	0.984	1,000													
IFNγ	-0.334	-0.425	-0.425	-0.371	-0.482	-0.544	-0.765	-0.821	-0.980	-0.994	-0.921	0.997	0.937	0.984	1,000												
IP-10	0.716	0.644	0.644	0.688	0.594	0.534	0.264	0.174	-0.229	-0.519	-0.739	0.489	0.075	0.250	0.419	1,000											
BFGF	-0.566	-0.483	-0.483	-0.534	-0.426	-0.360	-0.072	0.020	0.413	0.675	0.856	-0.649	-0.267	-0.434	-0.587	-0.981	1,000										
IL-4	-0.658	-0.581	-0.581	-0.628	-0.528	-0.465	-0.187	-0.096	0.305	0.585	0.790	-0.556	-0.154	-0.327	-0.490	-0.997	0.993	1,000									
IL-15	-0.546	-0.462	-0.461	-0.514	-0.404	-0.337	-0.047	0.044	0.435	0.693	0.868	-0.667	-0.290	-0.455	-0.607	-0.976	1,000	0.990	1,000								
IL-13	-0.973	-0.946	-0.945	-0.963	-0.923	-0.893	-0.722	-0.656	-0.304	0.006	0.288	0.029	0.448	0.283	0.107	-0.858	0.742	0.814	0.725	1,000							
IL-8	-0.980	-0.956	-0.956	-0.972	-0.936	-0.908	-0.746	-0.682	-0.338	-0.030	0.254	0.065	0.480	0.317	0.143	-0.839	0.717	0.793	0.700	0.999	1,000						
IL-17	-0.899	-0.852	-0.852	-0.882	-0.817	-0.773	-0.555	-0.476	-0.090	0.223	0.489	-0.189	0.243	0.067	-0.111	-0.949	0.870	0.921	0.857	0.976	0.968	1,000					
IL-12	-0.985	-0.963	-0.963	-0.978	-0.944	-0.918	-0.763	-0.700	-0.361	-0.055	0.229	0.090	0.202	0.340	0.167	-0.825	0.700	0.778	0.682	0.998	1,000	0.961	1,000				
IL-7	-0.890	-0.930	-0.930	-0.907	-0.952	-0.972	-0.998	-0.989	-0.850	-0.645	-0.403	0.671	0.921	0.838	0.727	-0.319	0.128	0.242	0.104	0.760	0.783	0.601	0.798	1,000			
TNFα	-0.879	-0.921	-0.921	-0.896	-0.944	-0.965	-0.999	-0.992	-0.863	-0.664	-0.426	0.689	0.931	0.851	0.744	-0.295	0.104	0.218	0.080	0.744	0.767	0.581	0.783	1,000	1,000		
IL-5	-0.999	-0.998	-0.998	-1.000	-0.992	-0.981	-0.880	-0.833	-0.547	-0.261	0.022	0.295	0.671	0.528	0.369	-0.690	0.536	0.630	0.515	0.964	0.973	0.883	0.978	0.906	0.895	1,000	
VEGF	-1.000	-0.993	-0.993	-0.998	-0.983	-0.967	-0.851	-0.800	-0.498	-0.205	0.080	0.239	0.626	0.478	0.314	-0.731	0.584	0.674	0.564	0.978	0.985	0.909	0.989	0.880	0.868	0.998	1,000

HAS

	MIP-1β	IL-1ra	IL-7	IL-6	IP-10	GM-CSF	IL-10	G-CSF	RANTES	IL-9	IL-2	MIP-1α	IL-12	BFGF	IL-13	PDGF-BB	Eotaxin	IL-5	MCP-1	VEGF	IL-8	IL-4	IL-15	IL-17	TNFα	IL-1β	IFNγ
MIP-1β	1.000																										
IL-1ra	1.000	1.000																									
IL-7	0.984	0.984	1.000																								
IL-6	0.968	0.968	0.997	1.000																							
IP-10	0.889	0.889	0.957	0.976	1.000																						
GM-CSF	0.944	0.944	0.869	0.830	0.688	1.000																					
IL-10	0.886	0.886	0.788	0.741	0.575	0.989	1.000																				
G-CSF	0.867	0.867	0.763	0.714	0.542	0.963	0.999	1.000																			
RANTES	0.765	0.765	0.637	0.579	0.385	0.935	0.976	0.984	1.000																		
IL-9	0.661	0.661	0.515	0.451	0.244	0.872	0.934	0.947	0.989	1.000																	
IL-2	0.569	0.569	0.411	0.344	0.129	0.809	0.885	0.903	0.965	0.993	1.000																
MIP-1α	0.325	0.325	0.149	0.077	-0.144	0.619	0.726	0.753	0.858	0.924	0.963	1.000															
IL-12	0.409	0.408	0.237	0.166	-0.055	0.687	0.785	0.809	0.900	0.955	0.983	0.996	1.000														
BFGF	-0.057	-0.057	-0.236	-0.306	-0.508	0.276	0.412	0.449	0.599	0.712	0.789	0.926	0.888	1.000													
IL-13	-0.027	-0.027	-0.207	-0.278	-0.482	0.305	0.439	0.475	0.623	0.732	0.807	0.937	0.901	1.000	1.000												
PDGF-BB	-0.440	-0.440	-0.595	-0.652	-0.803	-0.119	0.026	0.066	0.241	0.383	0.488	0.706	0.640	0.921	0.910	1.000											
Eotaxin	-0.733	-0.732	-0.598	-0.538	-0.339	-0.916	-0.965	-0.974	-0.999	-0.995	-0.977	-0.882	-0.921	-0.638	-0.661	-0.289	1.000										
IL-5	-0.670	-0.670	-0.525	-0.462	-0.255	-0.878	-0.938	-0.951	-0.991	-1.000	-0.992	-0.920	-0.951	-0.703	-0.724	-0.372	0.996	1.000									
MCP-1	-0.903	-0.903	-0.811	-0.766	-0.606	-0.994	-0.999	-0.997	-0.967	-0.919	-0.867	-0.700	-0.761	-0.377	-0.405	0.012	0.954	0.924	1.000								
VEGF	-0.994	-0.994	-0.957	-0.933	-0.831	-0.975	-0.933	-0.918	-0.833	-0.742	-0.658	-0.430	-0.509	-0.057	-0.086	0.336	0.805	0.749	0.946	1.000							
IL-8	-0.984	-0.984	-0.936	-0.908	-0.794	-0.987	-0.954	-0.941	-0.867	-0.784	-0.705	-0.487	-0.564	-0.121	-0.150	0.274	0.841	0.791	0.965	0.998	1.000						
IL-4	-0.754	-0.754	-0.860	-0.895	-0.971	-0.495	-0.364	-0.326	-0.154	-0.006	0.111	0.376	0.291	0.699	0.677	0.922	0.105	0.017	0.399	0.675	0.626	1.000					
IL-15	-0.856	-0.856	-0.935	-0.958	-0.998	-0.637	-0.519	-0.484	-0.322	-0.178	-0.061	0.211	0.122	0.565	0.540	0.841	0.275	0.189	0.551	0.792	0.751	0.985	1.000				
IL-17	-0.899	-0.900	-0.964	-0.980	-1.000	-0.705	-0.595	-0.562	-0.407	-0.267	-0.152	0.121	0.031	0.487	0.461	0.788	0.361	0.278	0.625	0.844	0.808	0.965	0.996	1.000			
TNFα	-0.089	-0.088	0.092	0.165	0.377	-0.413	-0.540	-0.573	-0.709	-0.806	-0.870	-0.971	-0.945	-0.989	-0.993	-0.855	0.743	0.799	0.508	0.201	0.264	-0.587	-0.440	-0.356	1.000		
IL-1β	0.064	0.065	0.243	0.313	0.514	-0.269	-0.405	-0.442	-0.593	-0.706	-0.784	-0.923	-0.884	-1.000	-0.999	-0.924	0.632	0.698	0.370	0.049	0.113	-0.704	-0.572	-0.494	0.988	1.000	
IFNγ	0.173	0.173	0.348	0.415	0.605	-0.162	-0.303	-0.341	-0.502	-0.625	-0.712	-0.875	-0.828	-0.993	-0.989	-0.961	0.544	0.616	0.267	-0.060	0.004	-0.777	-0.658	-0.586	0.966	0.994	1.000

HAS+ HA

	MIP-1β	IL-1β	IFNγ	IL-8	IL-1ra	IL-10	G-CSF	GM-CSF	RANTES	MIP-1α	IL-9	IL-6	PDGF-BB	IL-12	BFGF	VEGF	IL-5	IL-7	IL-13	IL-4	Eotaxin	IL-15	IL-17	MCP-1	TNFα	IL-2	IP-10
MIP-1β	1.000																										
IL-1β	0.934	1.000																									
IFNγ	0.923	1.000	1.000																								
IL-8	0.997	0.905	0.892	1.000																							
IL-1ra	0.536	0.199	0.170	0.596	1.000																						
IL-10	-0.039	-0.394	-0.421	0.034	0.823	1.000																					
G-CSF	-0.058	-0.412	-0.439	0.015	0.811	1.000	1.000																				
GM-CSF	0.105	-0.258	-0.287	0.177	0.896	0.990	0.987	1.000																			
RANTES	-0.334	-0.649	-0.671	-0.264	0.617	0.955	0.960	0.902	1.000																		
MIP-1α	-0.559	-0.819	-0.836	-0.497	0.400	0.850	0.860	0.766	0.968	1.000																	
IL-9	-0.662	-0.886	-0.900	-0.605	0.278	0.775	0.787	0.676	0.928	0.992	1.000																
IL-6	-0.800	-0.962	-0.969	-0.754	0.078	0.631	0.646	0.513	0.833	0.945	0.979	1.000															
PDGF-BB	-0.905	-0.997	-0.999	-0.871	-0.126	0.461	0.478	0.329	0.704	0.859	0.918	0.979	1.000														
IL-12	-0.439	-0.089	-0.059	-0.504	-0.994	-0.880	-0.871	-0.939	-0.700	-0.499	-0.383	-0.188	0.015	1.000													
BFGF	-0.226	0.138	0.167	-0.296	-0.943	-0.965	-0.959	-0.992	-0.843	-0.681	-0.581	-0.404	-0.211	0.974	1.000												
VEGF	-0.146	0.218	0.247	-0.218	-0.913	-0.983	-0.979	-0.999	-0.884	-0.738	-0.645	-0.477	-0.289	0.953	0.997	1.000											
IL-5	-0.320	0.040	0.069	-0.389	-0.971	-0.934	-0.927	-0.976	-0.786	-0.606	-0.498	-0.312	-0.114	0.992	0.995	0.984	1.000										
IL-7	0.099	0.448	0.475	0.026	-0.787	-0.998	-0.999	-0.979	-0.971	-0.880	-0.811	-0.676	-0.513	0.851	0.947	0.970	0.911	1.000									
IL-13	0.264	0.592	0.615	0.193	-0.673	-0.974	-0.978	-0.932	-0.997	-0.947	-0.898	-0.790	-0.649	0.751	0.880	0.916	0.829	0.986	1.000								
IL-4	0.184	0.524	0.549	0.112	-0.731	-0.989	-0.992	-0.958	-0.988	-0.918	-0.859	-0.737	-0.585	0.802	0.916	0.945	0.872	0.996	0.997	1.000							
Eotaxin	0.417	0.715	0.735	0.350	-0.543	-0.924	-0.931	-0.860	-0.996	-0.987	-0.958	-0.879	-0.765	0.633	0.791	0.838	0.727	0.945	0.987	0.970	1.000						
IL-15	0.439	0.731	0.751	0.372	-0.523	-0.915	-0.923	-0.848	-0.994	-0.980	-0.964	-0.890	-0.780	0.614	0.776	0.825	0.710	0.937	0.982	0.964	1.000	1.000					
IL-17	0.382	0.687	0.709	0.313	-0.575	-0.938	-0.945	-0.879	-0.999	-0.980	-0.946	-0.860	-0.739	0.662	0.814	0.859	0.753	0.957	0.992	0.979	0.999	0.998	1.000				
MCP-1	0.710	0.915	0.927	0.657	-0.213	-0.731	-0.744	-0.626	-0.901	-0.981	-0.998	-0.991	-0.942	0.320	0.525	0.593	0.439	0.771	0.866	0.823	0.936	0.944	0.922	1.000			
TNFα	0.737	0.930	0.941	0.686	-0.175	-0.704	-0.717	-0.595	-0.883	-0.972	-0.994	-0.995	-0.955	0.283	0.492	0.561	0.404	0.745	0.846	0.800	0.922	0.931	0.906	0.999	1.000		
IL-2	0.791	0.520	0.495	0.834	0.940	0.580	0.564	0.691	0.312	0.064	-0.065	-0.266	-0.456	-0.897	-0.774	-0.720	-0.833	-0.530	-0.381	-0.455	-0.225	-0.202	-0.263	0.132	0.171	1.000	
IP-10	0.651	0.336	0.308	0.705	0.990	0.733	0.720	0.823	0.498	0.265	0.138	-0.065	-0.266	-0.968	-0.886	-0.846	-0.928	-0.691	-0.560	-0.626	-0.418	-0.396	-0.453	-0.072	-0.033	0.979	1.000