

**Table S1.** Proteomics of murine positive control and SAC-exposed bone marrow cultures in comparison to negative control bone marrow cells. Significantly differently expressed proteins are in bold.

ANALYTE	Positive control				<i>S. aureus</i> SACs			
	NPX	Min	Max	p-value	NPX	Min	Max	p-value
ACVRL1	0.080198	-0.10633	0.266722	0.53909	0.506429	0.319904	0.692953	<b>1.51E-06</b>
ADAM23	-0.01126	-0.33606	0.313531	0.995875	0.057263	-0.26753	0.382057	0.899103
AHR	0.519393	0.118256	0.920531	<b>0.009555</b>	0.420159	0.019021	0.821296	<b>0.038837</b>
APBB1P	-0.0693	-0.34946	0.210868	0.811916	0.034648	-0.24552	0.314813	0.948893
AXIN1	0.093668	-0.14632	0.333658	0.599518	0.106194	-0.1338	0.346185	0.520293
CA13	0.188117	-0.22917	0.605408	0.507943	0.138142	-0.27915	0.555433	0.690413
CANT1	-0.0036	-0.32141	0.314206	0.999559	0.31755	-0.00026	0.635356	0.050212
CASP3	0.162021	-0.34083	0.664871	0.703805	1.607817	1.104966	2.110667	<b>9.60E-08</b>
CCL2	8.81005	8.017551	9.602549	<b>2.10E-14</b>	9.148914	8.356415	9.941414	<b>2.10E-14</b>
CCL20	0.026476	-0.31521	0.368161	0.979587	0.36247	0.020785	0.704155	<b>0.03612</b>
CCL3	5.38239	4.80773	5.95705	<b>2.11E-14</b>	9.413543	8.838884	9.988203	<b>2.10E-14</b>
CCL5	-0.05182	-0.40103	0.297393	0.927331	2.184746	1.835534	2.533957	<b>1.55E-13</b>
CDH6	-0.00492	-0.1965	0.186668	0.997737	0.049103	-0.14248	0.240689	0.799667
CLMP	0.10242	-0.24738	0.452218	0.747615	0.04704	-0.30276	0.396838	0.93988
CLSTN2	0.083914	-0.26573	0.433555	0.821784	0.205938	-0.1437	0.555578	0.322245
CNTN1	-0.00673	-0.52663	0.513157	0.999423	2.099522	1.579631	2.619413	<b>1.23E-09</b>
CNTN4	-0.0538	-0.58783	0.480234	0.965765	2.014092	1.480063	2.548122	<b>4.61E-09</b>
CPE	0.117222	-0.12702	0.361461	0.465457	0.124439	-0.1198	0.368677	0.423963
CRIM1	0.904332	0.541812	1.266853	<b>5.66E-06</b>	1.319222	0.956702	1.681743	<b>9.08E-09</b>
CSF2	12.41882	11.65896	13.17868	<b>2.10E-14</b>	1.680909	0.921049	2.440769	<b>3.21E-05</b>
CXCL1	0.495879	-0.38927	1.381028	0.357239	8.059759	7.17461	8.944908	<b>2.11E-14</b>
CXCL9	0.161654	-0.36769	0.690995	0.72902	0.587522	0.058182	1.116863	<b>0.027592</b>
CYR61	0.174816	-0.17844	0.528071	0.444285	0.385834	0.032579	0.73909	0.051
DCTN2	-0.14064	-0.49816	0.216891	0.59482	0.088564	-0.26896	0.446092	0.811418
DDAH1	0.2086	-0.04211	0.459306	0.115792	0.668212	0.417506	0.918918	<b>2.03E-06</b>
DLK1	0.025326	-0.56809	0.618744	0.993759	2.261857	1.668439	2.855275	<b>3.77E-09</b>
DLL1	-0.05614	-0.44964	0.337354	0.93261	1.280693	0.887197	1.67419	<b>7.01E-08</b>
EDA2R	0.134764	-0.05114	0.320672	0.187645	0.163271	-0.02264	0.349179	0.092779
ENO2	0.102199	-0.16202	0.36642	0.604902	0.312828	0.048607	0.577049	<b>0.018189</b>
EPCAM	0.086451	-0.4128	0.585706	0.902476	2.609799	2.110544	3.109054	<b>6.37E-12</b>
EPO	0.031233	-0.12164	0.184105	0.867108	0.054049	-0.09882	0.20692	0.656011
ERBB4	-0.06824	-0.33292	0.196436	0.79755	0.285387	0.020708	0.550065	<b>0.032852</b>
FAS	0.61854	0.093644	1.143436	<b>0.018774</b>	0.806113	0.281217	1.33101	<b>0.002221</b>
FLI1	-0.00022	-0.29004	0.289609	0.999998	0.151759	-0.13807	0.441583	0.404773
FLRT2	0.05412	-0.37678	0.485023	0.947334	0.131029	-0.29987	0.561932	0.730964
FOXO1	-0.00503	-0.27401	0.263956	0.998801	0.09932	-0.16966	0.368301	0.631898
FST	0.815567	0.438595	1.192539	<b>4.34E-05</b>	0.587228	0.210256	0.9642	<b>0.001938</b>
FSTL3	-0.02648	-0.2431	0.190139	0.950036	0.579132	0.362515	0.79575	<b>1.93E-06</b>
GCG	0.03534	-0.2574	0.328082	0.951235	0.016187	-0.27656	0.308929	0.989548

GDNF	0.170066	-0.13813	0.478262	0.367873	0.108646	-0.19955	0.416842	0.657604
GFRA1	-0.02679	-0.31688	0.263294	0.97113	0.413452	0.123364	0.703541	<b>0.004371</b>
GHRL	0.0107	-0.23806	0.259458	0.99366	0.164297	-0.08446	0.413054	0.245085
HGF	0.196818	-0.08861	0.482241	0.21774	0.365352	0.079929	0.650776	<b>0.010423</b>
IGSF3	-0.06644	-0.33758	0.204706	0.815058	-0.02151	-0.29266	0.249628	0.978608
IL10	-0.06541	-0.49268	0.36185	0.922842	2.157867	1.730602	2.585131	<b>1.32E-11</b>
IL17A	-0.01264	-0.39992	0.374638	0.996344	0.573626	0.186346	0.960905	<b>0.003108</b>
IL17F	-0.02632	-0.27593	0.223292	0.962557	0.20612	-0.04349	0.455732	0.119267
IL1A	4.194051	3.4792	4.908902	<b>5.53E-13</b>	4.300574	3.585724	5.015425	<b>3.31E-13</b>
IL1B	0.065698	-0.25462	0.386018	0.866158	0.443	0.122679	0.763321	<b>0.005646</b>
IL23R	-0.04612	-0.36224	0.270005	0.929666	0.142314	-0.17381	0.458436	0.508855
IL5	-0.15824	-0.4759	0.159417	0.439694	-0.14442	-0.46208	0.173235	0.502263
IL6	4.927272	3.871304	5.98324	<b>6.80E-11</b>	1.640776	0.584807	2.696744	<b>0.001986</b>
ITGB1BP2	0.076324	-0.19914	0.351791	0.770417	0.018151	-0.25732	0.293617	0.985192
ITGB6	-0.13787	-0.44078	0.165038	0.501518	0.082794	-0.22011	0.385701	0.775762
KITLG	0.014881	-0.3258	0.355562	0.993463	0.816732	0.476052	1.157413	<b>1.02E-05</b>
LGMN	0.353468	0.177983	0.528953	<b>0.000111</b>	0.309749	0.134264	0.485234	<b>0.000531</b>
LPL	1.049864	0.825866	1.273862	<b>6.20E-11</b>	0.209558	-0.01444	0.433556	0.069765
MAP2K6	0.133862	-0.06013	0.327856	0.217319	-0.02418	-0.21818	0.169811	0.948094
MATN2	0.221934	-0.29886	0.74273	0.544843	2.661233	2.140438	3.182029	<b>1.03E-11</b>
MIA	-0.19875	-0.70371	0.306221	0.594476	0.504191	-0.00078	1.009159	0.050406
NADK	0.147844	-0.42201	0.717694	0.79531	0.851318	0.281468	1.421168	<b>0.002873</b>
NOTCH3	0.089583	-0.24539	0.424555	0.784122	0.826023	0.491052	1.160995	<b>6.73E-06</b>
NTF3	0.025131	-0.2445	0.294765	0.970612	0.155987	-0.11365	0.425621	0.334743
PAK4	0.092524	-0.20802	0.393066	0.72534	0.336746	0.036204	0.637287	<b>0.026021</b>
PARP1	-0.58837	-1.09156	-0.08519	<b>0.019772</b>	0.047144	-0.45604	0.550328	0.970309
PDGFB	0.037697	-0.15819	0.233584	0.881089	0.525714	0.329827	0.721602	<b>1.82E-06</b>
PLA2G4A	0.348788	-0.00185	0.699426	0.051406	0.155657	-0.19498	0.506295	0.518162
PLIN1	0.34824	0.068069	0.628411	<b>0.012947</b>	0.224896	-0.05528	0.505066	0.132754
PLXNA4	0.008657	-0.34264	0.359954	0.997915	0.210167	-0.14113	0.561464	0.311453
PPP1R2	0.165978	-0.27827	0.610226	0.625172	0.334666	-0.10958	0.778913	0.165831
PRDX5	-2.78212	-4.5173	-1.04694	<b>0.00146</b>	-1.60032	-3.33551	0.134857	0.074592
QDPR	0.04046	-0.23112	0.312042	0.926772	0.15402	-0.11756	0.425602	0.348649
RGMA	-0.09465	-0.57274	0.383433	0.874636	1.706359	1.228274	2.184444	<b>1.30E-08</b>
RIOX2	1.541017	1.083306	1.998727	<b>3.81E-08</b>	0.397518	-0.06019	0.855228	0.097281
S100A4	0.341681	-0.15354	0.836906	0.217391	-0.15743	-0.65265	0.337795	0.710301
SEZ6L2	0.032767	-0.12533	0.190868	0.863556	0.055233	-0.10287	0.213335	0.66246
SNAP29	1.545736	1.041776	2.049695	<b>1.98E-07</b>	0.750219	0.246259	1.254178	<b>0.002968</b>
TGFA	0.196557	0.042878	0.350235	<b>0.010486</b>	0.12057	-0.03311	0.274249	0.144228
TGFB1	0.188951	-0.03432	0.412218	0.108228	0.50146	0.278194	0.724726	<b>2.60E-05</b>
TGFBR3	-0.05662	-0.60453	0.491283	0.964004	3.022201	2.474295	3.570107	<b>2.03E-12</b>
TNF	0.58382	0.203859	0.963781	<b>0.00221</b>	3.800423	3.420462	4.180385	<b>2.10E-14</b>
TNFRSF11B	-0.02754	-0.37662	0.321545	0.978854	0.788291	0.439211	1.137371	<b>2.41E-05</b>
TNFRSF12A	-0.01848	-0.28914	0.252186	0.984115	0.029839	-0.24082	0.300502	0.959149
TNFSF12	0.232146	-0.16932	0.633615	0.335071	1.004083	0.602614	1.405552	<b>5.44E-06</b>

<b>TNNI3</b>	0.40275	-0.14408	0.949576	0.178473	0.30913	-0.2377	0.855956	0.350884
<b>TNR</b>	0.053999	-0.21613	0.324123	0.872368	0.142816	-0.12731	0.41294	0.397983
<b>TPP1</b>	0.102314	-0.25834	0.462969	0.760883	1.05846	0.697806	1.419114	<b>4.21E-07</b>
<b>VEGFD</b>	-0.12666	-0.43677	0.183461	0.571776	0.5082	0.198084	0.818316	<b>0.001171</b>
<b>VSIG2</b>	0.837719	0.557565	1.117873	<b>3.83E-07</b>	0.483447	0.211657	0.755236	<b>0.000513</b>
<b>WFIKKN2</b>	0.156774	-0.08696	0.400506	0.2624	0.463532	0.219801	0.707263	<b>0.000224</b>
<b>WISP1</b>	-0.0803	-0.44002	0.279424	0.843672	0.229236	-0.13049	0.588957	0.268587
<b>YES1</b>	-0.06831	-0.37288	0.236261	0.842321	0.003289	-0.30128	0.307858	0.999599