

Table S4 Mice serum proteomics

proteinID	AveExp.L3	AveExp.C	P.Value	adj.P.Val	foldchange	entrezID	uniprotID	cachexia 1	cachexia 2	cachexia 3	control 1	control 2	control 3
G-CSF	14.1266613	11.9299173	9.08E-06	0.000605346	4.584453189	12985	P09920	16721.83517	17847.05386	19174.45131	3122.59948	5300.92127	3585.742958
OPG	13.47170859	11.03514559	1.37E-05	0.000684667	5.413505705	18383	OR8712	13629.39567	9902.379927	10860.08654	1804.275352	1846.172017	2770.69061
Lipocalin-2	18.11590256	15.9645994	0.000153357	0.003365305	2.396958788	16819	P11672	705153.4908	541465.5407	602937.3132	228682.6153	267883.9624	27394.6621
MCP-1	15.17824867	12.17513047	4.63E-05	0.001852884	8.017309702	20296	P10148	29987.66714	41214.7187	41237.6421	5013.167741	4527.272464	4355.191946
4-1BB	13.91659938	12.90035345	0.000171144	0.004889829	2.022648926	21942	P20334	13653.05706	15913.94818	17015.67147	6789.110909	7655.997275	8593.976059
IGFBP-5	14.45506699	12.09315536	0.00015815	0.004889829	5.140520114	16011	Q07079	27352.84661	15692.25301	26392.52026	4080.65784	3803.784332	5369.823416
Activin A	9.83587524	11.11273701	0.000207973	0.005199313	0.412692383	16323	Q04998	1226.977738	751.0301631	825.5233478	2333.016208	2284.216051	2034.965368
CCL6	14.56342105	11.43831064	0.000332438	0.006995716	8.72429535	20305	P27784	10480.81302	40620.93545	33332.63729	2219.372242	2337.843684	4114.255666
OPN	18.22612654	17.43876928	0.000349786	0.006995716	1.725910031	20750	P10923	326102.6503	293199.2285	301516.4272	167030.5784	174277.4106	192634.2446
MCP-5	15.13911217	12.58568301	0.000458046	0.00832811	5.870279369	20293	Q62401	26981.28354	45790.4834	38028.20094	5102.058697	7967.179881	5711.347396
Galectin-1	16.03807118	14.50239329	0.000588884	0.00981473	2.89924628	16852	P16045	73197.24735	56261.35525	73977.0536	18249.93933	24266.74558	28225.14129
P-selectin	17.03343527	15.47066048	0.001593118	0.024509055	2.943170635	20344	Q01102	161450.7853	120904.4105	123660.994	33974.34275	48951.78555	56928.48451
bFGF	12.25039721	11.60810613	0.002093993	0.028661158	1.560805838	14173	P15655	5092.285223	4628.021914	4904.957959	3323.598222	2937.802561	3112.54277
IL-1ra	15.07466256	13.86458475	0.002149587	0.028661158	2.313501152	16181	P25085	43221.59471	38087.7849	30858.67965	12818.43576	19634.97964	31182.96903
Pro-MMP-9	19.85661045	18.64180594	0.002552267	0.031903339	2.32109329	17395	P14245	998694.7988	1001334.348	855643.3779	324659.8039	618908.4489	340541.4923
MIG	12.27638585	11.63120691	0.002751964	0.032376053	1.885002956	17329	P18340	4376.954645	5175.253372	5386.587704	2345.541164	2957.104117	2621.717793
IFN-gamma R1	10.29078311	11.44562796	0.002981902	0.03132248	0.48911448	15979	P15261	1803.735117	938.8466914	1157.864598	2359.001815	2687.066533	3418.27668
LIX	13.69874557	15.19163679	0.003498884	0.033653046	0.355299801	20311	P50228	23653.08919	11546.41766	8605.148896	37198.36394	31760.04912	44358.30303
TREM-1	12.00370104	10.85042937	0.003322976	0.033653046	2.23206051	58217	Q9JKE2	4581.20347	3680.746049	4098.445033	1555.514294	1602.556425	2553.505758
IL-20	12.18758582	10.90484988	0.004312658	0.039205986	2.432999364	58218	Q9JKE9	7752.172753	3565.675013	3669.656288	1937.398135	1839.232043	1954.632128
CD40	11.2842192	10.3953442	0.00464277	0.040558929	1.851731603	21939	P27512	2097.28466	2311.294357	3196.111984	1132.465224	1226.110195	1755.46497
CXCL16	13.95042722	12.69095245	0.004984525	0.040645746	2.394161149	66102	Q8BSU2	15330.14629	13619.21747	18999.87295	6130.460121	5448.696506	8404.623374
Grem1in	10.81819761	0.00580718	0.040645746	0.003857287	23892	Q70326	0	0	0	0	263.4759521	327.418245	199.604527
PIGF-2	11.12072726	8.604073032	0.002970709	0.070823148	5.722534386	18654	P49764	4551.755736	3180.730732	761.2188108	250.2120827	344.8835861	677.0812342
E-selectin	17.43501167	16.03014213	0.007565658	0.071543599	2.647946609	20339	Q00690	274060.2969	115371.7833	175968.5185	5015.46359	74131.42046	80022.90335
Progranulin	18.44651757	17.55906619	0.001601604	0.071543599	1.849905247	14824	P12838	403262.1269	294112.7473	384379.6311	195234.7746	226531.0566	195234.7746
IL-15	12.69003242	12.05111043	0.010698719	0.073784267	1.557165188	16168	P48346	7458.216169	5545.909094	6973.2414	3447.122019	4684.989972	4748.919321
TNF RI	16.81305207	16.53105207	0.011587623	0.077250823	1.175310206	21937	P25118	123375.5106	121004.7194	102248.3094	85731.79991	81345.08506	84141.93555
Prolactin	15.93881939	14.57115937	0.012345087	0.079645726	2.268376341	19109	P06879	56984.31741	58192.1151	74739.09005	27596.58581	34719.45822	22159.84553
Epregrulin	9.08893921	10.55211937	0.014359601	0.088998518	0.362591781	13874	Q61521	1006.46717	459.3954532	347.1461883	856.3614851	1962.910045	1962.799641
H60	8.240152693	8.924926437	0.014684756	0.088998518	0.622103383	15101	Q3TDZ7	213.4567776	338.055651	379.1794389	535.0021738	458.434276	465.2539864
Gas 6	14.63637379	13.79211789	0.01577818	0.090160675	1.795338515	14456	Q61592	23541.45827	34118.5632	20562.98799	11301.02027	12619.8992	20010.38699
TCK-1	16.66655996	17.17490387	0.015520236	0.090160675	7.02991713	57349	Q9EQ15	114201.3665	110358.1371	89313.09859	151029.768	147808.2933	145851.9331
BLC	14.19285851	12.40314782	0.017399004	0.094528026	3.45175991	55985	Q55038	22423.8282	33963.23111	8624.658826	4928.253148	5266.9441	6118.780014
IL-28	11.77823991	11.17315682	0.017487685	0.094528026	1.527066351	338374	Q8CGK6	4275.082595	2958.819371	3422.727842	2062.52529	2212.865954	2683.373738
TWEAK	10.47395644	11.66818609	0.018360601	0.09663474	0.437019736	21944	Q54907	2172.14467	944.0376005	1399.836506	2518.46058	3221.99001	4243.993371
Fas L	12.02543871	11.57946319	0.020007213	0.099548207	1.362234914	14103	P14047	4107.253305	4267.204348	4130.911055	2693.32849	3131.082574	3392.833671
Granzyme B	10.29881668	11.13961665	0.02001423	0.099548207	0.58333888	14939	Q04187	1818.816921	993.9411128	1102.908668	1612.141866	2727.570413	2607.96664
PF4	18.51653515	18.15513998	0.020905123	0.099548207	1.284667641	56744	Q9Z126	3665.074555	379190.131	37944.69297	269925.1565	296016.959	280123.0581
Testicain 3	8.147250732	9.381723921	0.020621008	0.099548207	0.42497662	72902	Q8BKV0	330.2309075	332.6419484	205.2001866	797.2081045	378.2428616	979.6349904
IL-13	12.06791924	11.48024556	0.023308713	0.108412617	1.028281524	16163	P20109	4677.992042	4280.23671	3949.894949	2642.229161	2988.837202	27949.619709
CD30	12.04018548	11.32046486	0.025113864	0.116161716	1.646863075	29140	Q60846	5224.991519	3330.233643	4290.381747	2054.161441	2627.188329	3065.677951
TROY	11.62921196	12.14226883	0.02394354	0.116161716	7.700727359	29820	Q9JLL3	3628.403822	2876.108989	3042.920341	4545.40908	4265.07546	4972.699291
ANG-3	9.567234611	10.36063226	0.028572395	0.121584659	0.576983654	11602	Q9WVH6	1105.832481	540.6803703	791.6496494	1257.393086	1236.477674	1458.58555
TGFB1	12.24937233	13.36145496	0.028275887	0.121584659	0.466262723	21803	Q04202	7751.925668	3864.867757	3849.99454	7732.20422	9636.029978	15641.04275
TRANCE	11.43139508	12.27659552	0.032939954	0.137249808	0.556263467	21943	Q53235	3953.74359	2353.369415	2261.483903	3772.826667	4788.410106	6756.820192
CTLA4	10.62289492	10.0323183	0.033862454	0.13821441	1.505848491	12477	Q97975	1702.065278	1327.434875	1732.239699	786.65779	1227.682231	1185.612854
Decorin	17.59508455	17.12328231	0.037868585	0.14889423	1.386840856	13179	P20964	210571.7366	18007.6941	20706.41371	137344.4541	134006.2775	158095.4549
HGF	12.40016537	13.3009855	0.0387125	0.14889423	0.535615595	15234	Q80848	9247.20826	4040.967683	4223.883553	9058.435047	9678.756658	11719.33393
TNF RI	16.8709175	16.51395386	0.03853506	0.14889423	1.280615962	19398	P25119	139508.2408	110596.9725	111555.0077	91916.68682	97542.26327	91407.94018
CD48	13.64069999	13.0803136	0.04029491	0.152056264	1.474429037	12506	P18181	15079.81418	12321.58711	11204.85967	7845.635265	7798.885379	10614.29041
Trypsase	0	5.117972809	0.041067819	0.152103035	0.028796299	70835	Q9PER10	0	0	0	183.7355246	0	225.693747
IL-4	11.81501077	12.27881824	0.042167266	0.153335513	0.725118775	21819	Q07750	4509.223318	3580.322182	2895.435195	5183.125197	5080.936271	4656.717143
Marapsin	7.599040749	8.386658558	0.047667229	0.169524032	0.579299832	161371	Q8BIR6	158.6618262	303.4079543	148.9548393	298.0598803	406.4699048	306.6477614
EGF	15.64884819	12.80496699	0.049965928	0.169646423	1.811799604	13645	P01132	12047.8993	99486.52028	38172.57313	2153.		

GM-CSF	12.01301651	12.24696616	0.2063273	0.378582202	0.850303833	12983	P26955	4288.345197	4687.81746	3509.593931	5399.772852	4635.678462	4585.164407
MadCAM-1	10.68098274	10.23679564	0.205931336	0.378582202	1.360547286	17123	Q61826	1921.033155	1010.245273	2275.518509	915.4428599	1328.279795	1441.201186
Perioctin	17.00539786	17.52856933	0.209588844	0.381070626	0.695840491	50706	Q62009	239987.6408	84787.48518	111911.0816	197162.5278	167810.2655	205049.7003
Dkk-1	14.57039018	15.01221323	0.211436935	0.398985468	0.736479332	13380	Q54908	40354.11568	18590.22042	19214.63093	28532.41043	26180.87013	42367.16734
Renin I	15.47916744	14.97416737	0.24328735	0.434438813	1.419123417	19701	P06281	62114.33932	30459.41567	50366.00423	31355.74629	22576.9161	47097.58762
TARC	12.60875157	12.263173	0.26230654	0.464259364	1.270606462	20295	Q9WU26	9232.165583	4821.974133	5471.32139	8862.7161	6343.469547	4844.606317
DAN	9.437977416	9.901513238	0.27362401	0.479361256	0.72520671	74108	Q8VDG3	1251.760225	418.6596674	633.7134684	1021.390985	832.5705322	1025.592523
EDAR	3.443106208	6.481876702	0.280426335	0.479361256	0.121685528	13608	Q9R187	0	1285.57391	0	55.6310393	44.77841204	274.4245767
IL-5	12.57659149	12.77667597	0.278249795	0.479361256	0.870499587	16191	P04401	6456.166542	7093.949332	4974.108539	7235.826457	7353.09956	6491.477813
VEGF-B	8.415508045	7.940341516	0.276587699	0.479361256	1.390078666	22340	P49766	364.5174744	291.5167347	371.3078472	185.5191321	235.2705934	335.2862894
ANGPTL3	12.06635994	11.6893126	0.300991828	0.501964563	1.298681216	30924	Q9R182	3692.974332	4236.843583	5038.298091	2217.955561	3540.430314	4582.253335
OX40 Ligand	9.425052423	8.670570319	0.301178738	0.501964563	1.687025879	22164	P43488	378.2069317	2213.36223	385.8526157	329.0625531	325.3812405	627.0297838
RAGE	9.507940867	10.12735774	0.299385638	0.501964563	0.650933976	26448	Q9WV54	1639.365225	329.3337067	711.2504786	1299.321433	1072.605205	1001.351498
MFG-E8	10.06414353	9.678801887	0.315098675	0.520824255	1.306169066	17304	P21956	1618.867131	807.2824047	936.0974401	670.6469477	690.0731661	1185.216593
MDC	14.56100333	14.16277097	0.321573389	0.522285268	1.317892197	20299	Q88430	42618.60699	23597.79109	14039.97015	15321.67159	17621.71391	2284.06195
RANTES	12.54299517	12.33372667	0.321688828	0.522285268	1.156101851	20304	P30882	6094.68694	5882.706227	5925.246475	4262.917808	6608.006624	4880.126287
VEGF R2	7.298348267	4.775195237	0.323816866	0.522285268	5.748370417	16542	P35918	129.5323266	89.66115676	328.551186	139.7534368	0	144.8720198
IL-6	13.7403206	13.8768147	0.341843271	0.542608366	0.908570636	16193	P08505	14541.45593	14555.87125	12106.89268	14132.76416	16097.23317	15018.7331
Persephin	7.722824441	7.36022367	0.341448486	0.542608366	1.285741637	19197	Q70300	215.7671003	198.1983465	217.3364911	140.3989449	124.170591	249.609622
Leptin R	13.00095469	13.26249881	0.350178209	0.551461746	0.834194599	16847	P48356	9631.692719	5846.003949	9779.271436	9308.240727	10099.08099	10091.31422
SDF-1a	12.09077669	12.32349579	0.361583288	0.564973887	0.851029416	20315	P40224	5921.542154	4260.606796	3287.348414	4865.444274	4537.154912	6096.258609
Gas 1	14.97411804	15.21081123	0.371617699	0.576150077	0.848687739	14451	Q01721	431.1834397	2426.24456	31653.06141	34103.48903	45609.37468	5740.47068
MIP-3b	7.894151841	7.226943205	0.376051681	0.578541047	1.587997944	24047	Q70460	124.3149123	284.484842	375.3084019	217.6832658	47.68585869	314.7635055
VEGF-D	9.490618512	10.01064625	0.381065335	0.581779137	1.097538427	14205	P97946	739.8849967	367.739329	1361.737753	845.9221739	1342.620266	964.3073984
Clusterin	13.26049537	13.05630549	0.387356041	0.582490288	1.152039263	12759	Q06890	12509.07859	8148.464538	9267.970102	7765.123371	8552.548395	9302.966738
Limitin	11.35500843	11.51512486	0.384706071	0.582490288	0.894952844	15964	Q61716	2898.165867	2309.966745	2681.425435	2071.428923	2575.2018028	3219.008208
IL-12p70	11.07807861	10.92867016	0.390434712	0.582738375	1.109114651	16159	P43431	2327.990897	2016.196408	2149.729999	1903.864999	1629.831033	2382.956866
Csa	17.04978017	16.92181578	0.41783272	0.608597674	1.07257077	15139	P06684	157890.3132	116902.0502	135300.2088	13028.08404	127846.0872	114899.6422
Chordin	12.6526329	12.91331574	0.417660141	0.608597674	0.834692756	12667	Q920E2	8178.594771	4776.344201	6830.998344	6877.782459	7023.088626	9500.334067
Fetuin A	13.68341725	13.44972395	0.419932395	0.608597674	1.175836848	11625	P29699	1188.577133	1146.290722	16693.1901	8880.296039	12627.6403	12486.71143
TECK	2.351549634	4.964029838	0.41843915	0.608597674	0.163517823	20300	Q35903	0	0	131.9416082	130.3158782	0	20.5591927
IFNγ	12.70050667	12.8189711	0.421767004	0.615361157	0.921214841	15978	P01580	6973.974337	7258.898156	5823.079091	6894.372307	7943.515645	6885.403779
MIP-2	8.356279117	8.871458809	0.443190401	0.633129144	0.699705777	20310	P10889	452.7948449	144.9152652	530.5103329	810.7787044	238.6290441	527.1393314
Dkk	8.212569817	8.569529685	0.450481632	0.638981038	0.780774117	22174	P55144	450.2346096	377.9101278	151.6690324	329.9139975	359.1575046	486.2122821
CD27	12.8026904	12.94918439	0.464389648	0.654069927	1.039344333	21940	P41272	7782.885202	6074.457415	7711.694068	6997.669726	7108.067162	9940.47087
gp130	10.22777441	9.54045906	0.475296708	0.661055013	1.610250472	16195	Q00560	3247.065858	432.7330566	1186.290079	591.0759503	547.1348357	1271.414144
Osteonectin	12.28697869	11.59329505	0.475959609	0.661055013	1.617414715	93695	Q99991	12201.73979	1985.264894	5418.355902	1989.058002	3099.848626	4776.94215
HAI-1	12.67825662	12.82382951	0.484517556	0.668300078	0.904020323	20732	Q9R097	7420.068935	5271.022648	7196.188416	6642.728689	7700.050529	8141.84228
E-Cadherin	16.31810903	16.41610851	0.493374846	0.675855953	0.934327668	12550	P09803	89319.61698	10100.06693	81304.81148	86208.9954	8744.381135	88441.12469
IGF-1	17.96588892	18.07624281	0.499867329	0.680091604	0.928095641	16000	P05017	304222.3674	218643.9382	253698.779	269791.793	262658.3753	293538.043
Flt-3L	15.70655419	15.86315844	0.518724637	0.684551708	0.912706587	14256	P49772	56383.14301	53523.52082	50664.33991	54633.02506	62790.64839	61728.74302
Galectin-7	10.27421785	10.51496518	0.523663834	0.684551708	0.846365467	16858	Q50974	2048.327923	937.430989	986.482347	1224.814117	1911.181454	1335.33622
HGF R	12.47910495	12.52959093	0.5192651	0.684551708	1.137726681	17295	P16056	6569.880335	4311.157376	6567.051745	3674.676016	5794.942324	5930.706602
IL-3	12.2454184	12.38194441	0.523682057	0.684551708	0.909707099	16187	P01586	4790.191555	6189.293829	3853.153404	5675.681445	4723.989691	5668.106911
MBL-2	18.66562786	18.57359932	0.51121868	0.684551708	1.065867824	17195	P41137	428994.6978	381729.0725	439088.0028	357448.4128	39804.3349	416986.327
P-Cadherin	12.34386747	11.80116355	0.518186703	0.684551708	1.45670013	12560	P10287	11923.74674	4073.029224	2890.677194	2170.886474	5153.494837	4058.657611
IGFBP-6	18.0952016	17.8344774	0.53074171	0.689274949	1.198701486	16012	P47880	143536.4583	360741.7469	424698.203	217011.013	242588.311	242523.567
Adiponectin	15.61749298	15.69711264	0.53847903	0.690357731	0.946307099	11450	Q60994	52695.21531	49210.52589	48994.39615	60438.64264	48878.40943	50846.15984
I-TAC	5.561577543	7.357241993	0.53684244	0.690357731	0.288038897	50606	Q9JH85	181.7088611	0	575.561569	80.55030455	295.2166921	181.4804996
CRP	15.91587241	15.98937475	0.557599196	0.710317447	0.965328144	12944	P14847	66631.7753	57206.29549	61989.57861	67232.39204	60754.79058	67040.89636
BT-1	12.02861912	11.75241501	0.566651202	0.717280002	1.211004399	12519	Q00609	5160.344997	3673.858886	3844.226493	1583.060332	4531.472654	5718.807444
IL-7	10.90010408	10.73956038	0.588247867	0.738580928	1.117780281	16196	P10168	1655.060181	2517.034722	1672.543565	1493.445207	2162.831874	1544.560042
JAM-A	15.44410759	15.25897407	0.590864743	0.738580928	1.134523758	16486	Q05872	67063.37354	32839.22379	39968.65423	31981.45188	43002.0622	43829.50445
BAFF R	11.35441439	11.26954108	0.631692603	0.74756521	1.065496044	72049	Q9PD80	3047.208135	2291.199243	2291.199243	2049.061644	2659.378852	2659.378852
BTC	12.69475421	12.82741435	0.621556003	0.74756521	0.912148018	12223	Q05928	8446.946186	5528.232481	6237.632851	5921.771201	6826.213673	9481.118207
GITR	9.351440607	9.17311189	0.625600747	0.74756521	1.128283346	21936	Q35714	566.952142	533.3567749	925.5277594	675.7990407	425.0746674	617.9648711
IL-17E	9.181117748	9.304328386	0.630143613	0.74756521	0.918142101	140806	Q8VH88	575.1615755	475.1701723	711.9618885	535.8010673	631.272583	743.6086557
IL-17F	9.408679079	9.39387335	0.611190872	0.74756521	0.877391932	257630	Q7TN17	423.7411246	807.5075472	913.2721196	608.3753462	651.587121	1167.960303
KC	14.31959702	14.18190467	0.63043278	0.74756521	1.100143981	14825	P12850	29658.22778	18134.66022	15891.47272	19273.17552	17982.96873	18520.44024
Lymphoactin	11.70873014	11.82366011	0.626008572	0.74756521	0.923426556	16963	P47993	3826.029565	1789.89				