

Protein	Description	Gene	h_143B_1	h_143B_2	h_143B_3	Osteoblast1
B9A064	Immunoglob	IGLL5	400331.625	547239.688	193385.891	5589225.5
O00391	Sulfhydryl oxi	QSOX1	102190.711	112191.492	135421.938	1010302.94
O00469	Procollagen-	PLOD2	8786.13086	7154.83789	9761.85156	195423.547
O00622	Protein CYR6	CYR61	31409.8594	26731.7969	38166.0391	802018.5
O00754	Lysosomal al	MAN2B1	41559.8047	41785.7656	51557.9453	213196
O14950	Myosin regul	MYL12B	47927.9648	53905.2188	53146.6328	313671.625
O43286	Beta-1,4-gal	B4GALT5	63537.8633	67290.6797	82264.9453	295101.594
O43505	Beta-1,4-glu	B4GAT1	25632.9902	24278.4707	32845.5781	163779.516
O43852	Calumenin	CALU	3814.59106	4377.69971	4270.34229	217148.313
O60568	Procollagen-	PLOD3	5745.6543	6024.23877	8426.50293	27799.4492
O60687	Sushi repeat-	SRPX2	2365.56152	7686.47217	21443.5859	290020.469
O60888	Protein CutA	CUTA	304398.688	279582.781	293128.594	2194230.25
O75144	ICOS ligand	ICOSLG	25495.5977	25266.498	28274.0762	261061.078
O75663	TIP41-like pr	TIPRL	419035.5	7873.45117	1184876.5	2873283.75
O76061	Stanniocalcin	STC2	7025.18652	8811.92871	18068.6543	538649.375
O94823	Probable phc	ATP10B	4767.84668	4598.51367	3854.0791	592786.563
O95497	Pantetheinas	VNN1	143899.188	207705.625	357785.094	1422246.13
O95965	Integrin beta	ITGBL1	0	273.348053	616.477173	20498.6191
P00352	Retinal dehyd	ALDH1A1	7024.70313	5677.93066	13511.8164	45905.9453
P00450	Ceruloplasm	CP	17258.5078	18969.8457	37665.1836	90107.8125
P00488	Coagulation f	F13A1	218689.391	207763.703	258529.203	2800773.5
P00742	Coagulation f	F10	140995.672	136778.547	174987.25	532302.188
P00747	Plasminogen	PLG	30049.3691	50542.7266	41967.4492	2657272.5
P01008	Antithrombin	SERPINC1	3075163.25	3555323	5055003	30211412
P01024	Complement	C3	1818625.63	1698691.25	2116301.5	19360314
P01034	Cystatin-C	CST3	0	13142.2734	37289.6523	478651.938
P01344	Insulin-like	IGF2	204205.266	194215.656	254392.906	1340448.25
P01591	Immunoglob	JCHAIN	25265.8555	23373.2539	29376.0332	1552234
P01621	Ig kappa chain	V-III region	65450.4961	61613.9297	70577.9844	490984.313
P02042	Hemoglobin	HBD	29925040	40045292	46053936	163943824
P02100	Hemoglobin	HBE1	2143.85059	2364.20483	1317.09631	47252.0313
P02452	Collagen alpt	COL1A1	424782.531	424851.344	607705.688	43402192
P02458	Collagen alpt	COL2A1	106178.016	90045.6641	134282.734	20690848
P02461	Collagen alpt	COL3A1	182361	173153.797	320679.313	2539114.5
P02647	Apolipoprote	APOA1	11565842	3896263.25	4477374	47196760
P02649	Apolipoprote	APOE	64062.4648	48715.4336	36169.0625	2960874.25
P02656	Apolipoprote	APOC3	54020.4883	65942.3438	90416.6641	1624284.75
P02679	Fibrinogen g	FGG	28605.9707	0	29118.0273	652600.875
P02751	Fibronectin	FN1	900942.688	891407.563	1164281.75	175538944
P02753	Retinol-bind	RBP4	454999.875	432352.813	1403790.88	7708836.5
P02765	Alpha-2-HS-	AHSG	2453797.5	5962496	1779507.5	540249024
P02768	Serum album	ALB	256028272	241476064	333396800	1.8661E+10
P02774	Vitamin D-bi	GC	4231523	4142005.75	5554744.5	30924030
P04003	C4b-binding	C4BPA	183297.406	196614.594	223487.75	1036899.75
P04114	Apolipoprote	APOB	98188.1406	99071.8125	112893.32	3385773.5
P04216	Thy-1 memb	THY1	0	0	0	475917.781
P04275	von Willebr	VWF	0	2014.66016	2758.46753	174714.328
P04278	Sex hormone	SHBG	145808.469	160326.344	209430.656	784091.813
P04745	Alpha-amyla	AMY1A	95616.6563	90819.875	118939.68	620849.563
P05090	Apolipoprote	APOD	73168.7031	119438.734	128125.93	709488.875
P05121	Plasminogen	SERPINE1	149925.938	155153.984	184755.938	3233969.25
P05160	Coagulation f	F13B	18912.248	0	13314.3447	112520.109
P05231	Interleukin-6	IL6	0	0	0	417961.75

P05452	Tetranectin	CLEC3B	290133.125	296075.938	411210.563	2183074
P05543	Thyroxine-bir	SERPINA7	240195.547	225133.844	314041.969	1435918.38
P06865	Beta-hexosar	HEXA	11529.5889	10330.2754	23735.752	92746.8672
P07093	Glia-derived	SERPINE2	15610.3008	16936.3926	16990.6191	457769.625
P07225	Vitamin K-de	PROS1	183438.453	173999.344	243875.859	2482575.5
P07237	Protein disulf	P4HB	10307.209	10335.9443	10993.4551	64108.5
P07339	Cathepsin D	CTSD	20915.3711	23786.3398	28247.5313	95830.8906
P07585	Decorin	DCN	0	0	0	2122213.25
P07602	Prosaposin	PSAP	48227.5	41231.7695	53407.0547	193225.781
P07686	Beta-hexosar	HEXB	15101.0693	13045.6309	24080.6172	92746.9844
P07858	Cathepsin B	CTSB	15052.9893	22093.2871	26290.5469	141920.188
P07910	Heterogeneo	HNRNPC	4781.0459	3684.19336	3313.81348	53965.4531
P07996	Thrombospoi	THBS1	2431149	2440912.75	2908013.5	119972792
P08123	Collagen alpt	COL1A2	130359.797	121527.633	187102.844	16283200
P08253	72 kDa type I	MMP2	26577.2402	27735.4844	35500.9219	4767560.5
P08476	Inhibin beta	INHBA	5202.88525	5426.9126	7889.68115	277860.406
P08670	Vimentin	VIM	75138.9609	64626.207	55070.4492	357802.563
P09429	High mobility	HMGB1	43504.4766	18176.1055	19529.4473	466443.938
P09619	Platelet-deriv	PDGFRB	0	0	0	49292.7422
P09651	Heterogeneo	HNRNPA1	51677.9102	52966.6055	56734.7969	279193.188
P09871	Complement	C1S	109202.508	122693.109	136112.328	1130071.25
P0C0L4	Complement	C4A	298674.281	309157.813	394449.844	3976250.25
P0C7U0	Protein ELFN	ELFN1	0	7163.18896	168984.422	1443784.38
P10643	Complement	C7	112006.484	113351.688	156437	805346.625
P10646	Tissue factor	TFPI	1323.7666	3789.91724	2444.39355	26564.4043
P12107	Collagen alpt	COL11A1	15887.7061	13469.2461	21892.9023	437364.75
P12109	Collagen alpt	COL6A1	434203.375	483034.625	548718.125	26611642
P12110	Collagen alpt	COL6A2	688619.625	654839.25	920085.688	8113221
P12111	Collagen alpt	COL6A3	715036.688	698176.688	992105.688	8482742
P12259	Coagulation	IF5	398761.844	392911.938	516528.625	1771763.88
P13611	Versican core	VCAN	31127.9941	50309.8164	38393.5703	1117256.75
P13798	Acylamino-ar	APEH	29258.041	29893.9531	26262.5059	203079.016
P16035	Metalloprotei	TIMP2	17206.8379	10671.3027	25151.0684	674719.625
P16112	Aggrecan cor	ACAN	26621.293	33737.5742	28729.6074	482052.219
P16402	Histone H1.3	HIST1H1D	2712.00806	7680.45361	0	217047.5
P16403	Histone H1.2	HIST1H1C	4980.94141	18165.0371	12470.2832	175510.25
P17936	Insulin-like gl	IGFBP3	12576.6084	6261.27637	14508.1719	2017370.38
P18065	Insulin-like gl	IGFBP2	27339.6211	29786.6074	45108.4063	1135820.88
P19338	Nucleolin	NCL	40349.7266	41763.8438	39259.0664	228344.828
P19823	Inter-alpha-t	ITIH2	5457429	5426182	7400794.5	34503536
P19827	Inter-alpha-t	ITIH1	662811	564146.25	1614610.13	3924110.5
P20849	Collagen alpt	COL9A1	20810.8281	19204.6914	28521.7656	141804.719
P20908	Collagen alpt	COL5A1	29241.7441	27993.3555	31002.6836	727181.063
P21453	Sphingosine	S1PR1	14079.0098	13827.1113	15699.3057	4308853.5
P21810	Biglycan	BGN	30743.7461	26600.6133	56474.4023	3712921.75
P22105	Tenascin-X	TNXB	2953.69849	3181.55273	3601.62695	133076.078
P22626	Heterogeneo	HNRNPA2B1	24031.7109	15001.1387	26934.3086	286667.906
P23142	Fibulin-1	FBLN1	186856.25	185248.094	266740.594	4094277
P24821	Tenascin	TNC	119927.945	109347.492	148830.219	1014256.56
P26022	Pentraxin-rel	PTX3	175182.438	147850.203	217663.141	5258973
P26927	Hepatocyte g	MST1	58335.4648	54299.8672	77651.375	496300.563
P27658	Collagen alpt	COL8A1	3016.8103	2566.20508	0	106447.992
P28065	Proteasome s	PSMB9	3295.46484	5542.84229	981.882141	48954.4922
P30101	Protein disulf	PDIA3	20344.6973	21156.3945	20954.7949	117309.305

P35442	Thrombosporin THBS2	312506.563	286563.844	361508.281	12761292
P35443	Thrombosporin THBS4	244322.328	238632.75	500335.594	4121697.5
P35527	Keratin, type KRT9	68079.0781	138127.094	88918.5703	1450968.13
P35579	Myosin-9 MYH9	105033.156	109749.758	101047.461	1586663
P35858	Insulin-like growth factor IGFALS	14425.5156	20172.2754	27117.75	157362.438
P35908	Keratin, type KRT2	300333.813	813002.125	612862.063	3921650
P36955	Pigment epithelial SERPINF1	717322.563	681092	952768.625	6594452.5
P39059	Collagen alpha1 COL15A1	13881.5234	14064.6094	21347.5078	299284.688
P39060	Collagen alpha1 COL18A1	27190.7207	38239.0391	46983.7148	152962.125
P47929	Galectin-7 LGALS7	8256.09375	16841.5703	8812.32227	82412.6875
P48723	Heat shock 70 HSPA13	64361.9102	18570.6934	18523.7988	112141.148
P48740	Mannan-binding MASP1	32180.2305	16866.1074	32581.3301	544179.375
P49747	Cartilage olig COMP	82534.625	78965.9922	115334.18	474714.531
P52758	Ribonuclease HRSP12	10160.3955	9671.94141	16697.4395	62007.3086
P52823	Stanniocalcin STC1	0	0	0	108828.063
P55268	Laminin subunit LAMB2	0	0	0	240018.297
P55285	Cadherin-6 CDH6	8974.29492	9176.19043	16025.9395	263199.469
P55290	Cadherin-13 CDH13	69006.8203	65259.1445	73271.6875	313293
P61353	60S ribosomal RPL27	18293.0781	20620.2441	8542.93555	160841.953
P62917	60S ribosomal RPL8	51250.9922	57033.6406	20446.2109	244910.297
P62995	Transformer-TRA2B	10403.7168	11645.5615	8647.52539	530145.938
P69891	Hemoglobin HBG1	21290046	22325190	29510474	162082800
P69905	Hemoglobin HBA1	6335963	5738111	7285479	44398616
P80162	C-X-C motif CXCL6	0	0	0	3016108.75
P84103	Serine/arginine SRSF3	53451.8867	55138.3281	41088.9258	280170.063
Q02809	Procollagen-1 PLOD1	5940.78418	5526.4834	8395.99805	138342.688
Q02818	Nucleobindin NUCB1	8178.84961	5976.33594	10034.6465	134929.516
Q03181	Peroxisome proliferator PPARD	1382023.5	1412160.5	1520313.5	95690448
Q06033	Inter-alpha-trypsin ITIH3	798618.063	730263.625	1043165.69	5470790
Q06203	Amidophospholipid PPAT	40802.9961	35690.1758	78344.375	2732075.25
Q06828	Fibromodulin FMOD	53181.9609	65445.4219	76135.1406	472282
Q10471	Polypeptide repeat GALNT2	6797.07764	14882.3311	0	54223.1914
Q12884	Prolyl endopeptidase FAP	43329.2188	41670.7695	53203.5664	232141.703
Q12907	Vesicular integrin LMAN2	26262.6152	25915.8125	26275.6543	175740.031
Q13093	Platelet-activating PLA2G7	5642.15625	4764.57861	9582.00098	36724.543
Q13103	Secreted phosphatase SPP2	25596.2168	25273.666	28894.8457	384678.563
Q13822	Ectonucleotide ENPP2	26072.6113	18342.6563	23298.7305	174375.219
Q14112	Nidogen-2 NID2	51437.1406	53907.4102	43483.8945	272059.031
Q14624	Inter-alpha-trypsin ITIH4	32037.1445	49722.2227	42147.9063	210113.391
Q14697	Neutral alpha-galactosidase GANAB	20547.7246	22342.5527	25099.6621	112382.445
Q14764	Major vault protein MVP	154333.594	157417.875	108385.75	765741.125
Q14766	Latent-transferrin LTBP1	0	0	0	380742.719
Q15063	Periostin POSTN	148781.5	140960.984	164623.469	1602860.63
Q15113	Procollagen-1 PCOLCE	17403.1094	16542.7793	50534.5391	4340180.5
Q15493	Regucalcin RGN	24918.8301	19006.8516	27056.252	175878.141
Q15555	Microtubule-associated MAPRE2	23152.041	19206.2539	22193.2891	78771.1406
Q15582	Transforming growth factor TGFBI	269255.781	254313.875	342088.938	3156944.75
Q16270	Insulin-like growth factor IGFBP7	24884.0977	22870.543	34722.3906	1170431
Q16363	Laminin subunit LAMA4	3654.37231	4246.25195	4045.91333	413254.063
Q16610	Extracellular matrix ECM1	22471.5371	15318.9307	20253.4785	209460.672
Q16674	Melanoma-differentiation MIA	9855.49805	8513.60254	12160.1191	89204.7109
Q16853	Membrane protein AOC3	152216.078	139337.422	161207.859	1155179.38
Q6YHK3	CD109 antigen CD109	83712.875	84214.4141	97910.4375	443494.563
Q76LX8	A disintegrin ADAMTS13	33601.5234	34261.2813	48475.4375	333701

Q7KZ85	Transcription SUPT6H	10712351	11044703	6325591	103247128
Q7Z3U7	Protein MON MON2	17583.3926	17753.3828	29904.5703	4238393.5
Q7Z406	Myosin-14 MYH14	93929.3281	94331.6719	91325.8984	1153926.38
Q86UD1	Out at first pr OAF	30438.7227	32818.3281	44863.543	168282.172
Q8IUL8	Cartilage inte CILP2	35772.8125	35557.8984	44440.2969	212758.031
Q8IUX7	Adipocyte en AEBP1	13697.1064	12787.2051	20695.7109	177514.938
Q8N1N4	Keratin, type KRT78	7528.63525	10987.2627	13815.7236	100808.656
Q8N884	Cyclic GMP- / MB21D1	26252.3203	18480.3359	34791.2578	514410.344
Q8NBS9	Thioredoxin c TXNDC5	6912.9624	4633.80225	9291.58984	59496.8594
Q8NHP8	Putative phos PLBD2	7640.08398	9984.08008	11841.7676	46761.6055
Q8WUJ3	Cell migrator CEMIP	11076.4375	12133.2285	12767.4863	146531.875
Q8WXE9	Stonin-2 STON2	4845.17188	5506.96143	4908.9043	549122.688
Q93088	Betaine- -hor BHMT	22608.2422	28535.2207	37111.9453	216999.25
Q96CG8	Collagen tripl CTHRC1	5455.66113	5766.625	12569.417	76020.3125
Q96I24	Far upstream FUBP3	47681.9219	6826.4707	6670.15967	423461.188
Q96JB6	Lysyl oxidase LOXL4	0	0	0	31368.4863
Q96RW7	Hemicentin-1 HMCN1	1366209.88	1581810.75	706604.125	47601024
Q9BY76	Angiopoietin ANGPTL4	0	0	0	119535.891
Q9H583	HEAT repeat- HEATR1	59737.8203	76904.2266	3865.16138	460353.094
Q9H6B4	CXADR-like r CLMP	46041.6563	1203837.88	48738.9648	4471939
Q9HDC9	Adipocyte plz APMAP	65033.1289	69158.125	69844.875	5043623
Q9NPH3	Interleukin-1 IL1RAP	96826.4688	93084.6563	113005.445	534726.75
Q9NQC3	Reticulon-4 RTN4	207621.672	215354.109	179082.531	990735.625
Q9NR30	Nucleolar RN DDX21	16666.7988	17611.7578	15412.6885	59828184
Q9NRN5	Olfactomedir OLFML3	16307.5205	18371.3457	24753.9863	246114.219
Q9NZP8	Complement C1RL	0	0	0	56888.9102
Q9P2D3	HEAT repeat- HEATR5B	27965.0039	16789.1875	31341.8496	1624527.38
Q9UBG0	C-type mann MRC2	20570.9082	21968.9863	25609.4355	98426.7344
Q9UBX5	Fibulin-5 FBLN5	8424.68457	0	11306.1504	0
Q9UGM3	Deleted in m: DMBT1	75712.5625	82140.1719	101509.242	1620548.38
Q9UK55	Protein Z-dej SERPINA10	16923.5508	33367.9375	51155.6602	349665.375
Q9Y2X7	ARF GTPase- GIT1	5652.25146	6162.98633	4173.23779	832881.313
Q9Y4K0	Lysyl oxidase LOXL2	79924.1484	74891.2969	72203.1719	642683.063
Q9Y5C1	Angiopoietin ANGPTL3	15162.9688	15592.0713	24271.6582	113178.102

Osteoblast2	Osteoblast3	h_143B.vs.Os	h_143B.vs.Os	h_143B.vs.Os	h_143B.vs.Osteoblast	UP.D
8012191.5	4820023.5	0.06193637	0.02565866	-4.0130693	down	
1379340.38	784346.125	0.11020961	0.03194402	-3.1816781	down	
219409.109	167949.781	0.04410363	0.00624096	-4.5029588	down	
495080.781	812536.875	0.04565133	0.02313558	-4.4531993	down	
275519.75	149103.563	0.21150742	0.04326531	-2.2412198	down	
241506.953	219710.266	0.20000264	0.01800794	-2.321909	down	
376298.938	244293.531	0.23271254	0.0238424	-2.1033792	down	
137959.359	101226.484	0.20537011	0.02564647	-2.2837019	down	
230224.672	153953.578	0.02072523	0.01408575	-5.5924679	down	
0	36297.8281	0.21005984	0.00481427	-2.2511277	down	
141376.234	212756.797	0.04889459	0.03939325	-4.3541814	down	
2946819	1880132.25	0.12492343	0.02300884	-3.000884	down	
344439.469	174962.516	0.10126831	0.04105925	-3.3037454	down	
3123115	5899020.5	0.13549631	0.02908283	-2.8836745	down	
736076.5	779267.938	0.01650724	0.01174928	-5.9207572	down	
886658.813	752521.75	0.00592322	0.01293436	-7.3994018	down	
2069473.63	916991.625	0.16090641	0.02211918	-2.6357063	down	
25871.3711	0	0.01918968	0.01372474	-5.7035256	down	
0	46841.7734	0.18842836	0.00125101	-2.407912	down	
196353.438	135910.281	0.17494914	0.02096347	-2.5149925	down	
2963346.25	4349713.5	0.06772727	0.02349722	-3.8841194	down	
825313.438	527205	0.24021462	0.03831202	-2.0576041	down	
3331336.75	1611934.63	0.0161251	0.03797031	-5.9545479	down	
40719696	21346772	0.1266337	0.03946076	-2.9812667	down	
23938682	11885536	0.10208691	0.04222297	-3.2921302	down	
357385.563	371643.969	0.06263894	0.00488399	-3.9967964	down	
2355847.25	1486736	0.12595212	0.0409131	-2.9890526	down	
1854048.75	1286563.38	0.01662427	0.01115959	-5.9105652	down	
452385.625	392803.969	0.14791668	0.00530997	-2.7571433	down	
174269616	167295392	0.22951976	2.06E-05	-2.1233097	down	
70522.6875	49799.6055	0.0347616	0.01802085	-4.8463617	down	
60887532	57844964	0.00898845	0.00998141	-6.7977119	down	
19684960	9763341	0.00659178	0.04138822	-7.2451154	down	
3970310.25	2653301	0.07379836	0.02432984	-3.7602675	down	
59620932	18950614	0.15854137	0.04537867	-2.6570688	down	
2121511.5	1423428.63	0.02289444	0.04124836	-5.4488591	down	
2062006	1517510.25	0.04042804	0.0096397	-4.6284998	down	
323055.313	578729.25	0.05570433	0.03920769	-4.1660668	down	
209801808	248816992	0.0046623	0.00997021	-7.7447433	down	
8963601	5013635	0.10565046	0.00588594	-3.242629	down	
481925056	235388656	0.00810759	0.04693838	-6.9465114	down	
1.7245E+10	1.3059E+10	0.01696919	0.0107912	-5.8809383	down	
44400800	23247808	0.14129959	0.04413125	-2.8231708	down	
1155820.75	1730243	0.15381223	0.03510041	-2.7007579	down	
3458773.5	2642428.5	0.03269253	0.00717566	-4.934895	down	
514798.438	711335.188	#NAME?	0	#NAME?	down	
137147.281	129039.406	0.01623877	0.00929999	-5.9444136	down	
1257456.88	741959.188	0.18522149	0.04296261	-2.4326766	down	
870071.313	442593.25	0.15793844	0.04778976	-2.6625657	down	
1354630.63	1194717.75	0.09841957	0.03617206	-3.3449109	down	
3739384.75	2250638.5	0.05310454	0.02174869	-4.235021	down	
0	81283.2578	0.166285	0.03647732	-2.5882701	down	
593040.25	466689.313	#NAME?	0	#NAME?	down	

2862269.75	2648153.5	0.1296445	0.00039873	-2.9473671	down
1952741.88	1097827.75	0.17371524	0.03676521	-2.5252037	down
104162.445	0	0.15437095	0.00126535	-2.6955268	down
469718.531	506453.875	0.03454624	0.00099643	-4.8553273	down
2928418	1551278.25	0.08636745	0.03438599	-3.5333685	down
51358.3594	45800.7891	0.19617455	0.01524149	-2.3497902	down
96158.3438	153021.516	0.21144049	0.03974884	-2.2416764	down
2781882.75	2407803.25	#NAME?	0	#NAME?	down
300181.25	193927.344	0.20785564	0.03515138	-2.2663462	down
104162.188	0	0.17682372	0.00092223	-2.4996163	down
268427.5	225307.016	0.09979761	0.03498807	-3.3248509	down
64064.6836	49368.4609	0.0703653	0.00649167	-3.828992	down
142124016	148553600	0.01894574	0.00411961	-5.7219828	down
22820206	22035850	0.00718017	0.01020886	-7.1217662	down
7582942.5	4855408.5	0.00521993	0.02524783	-7.5817539	down
344188.5	247076.078	0.02130819	0.01000757	-5.5524482	down
337939.563	340517.406	0.18801817	5.06E-06	-2.411056	down
427932	389514.781	0.06325307	7.14E-05	-3.9827207	down
95045.6719	44908.2344	#NAME?	0	#NAME?	down
0	259750.359	0.19962426	9.26E-05	-2.324641	down
1684504	1021189.63	0.09594122	0.02999589	-3.3817055	down
4735114	3259219.5	0.08372874	0.01297514	-3.5781332	down
1512038.88	1313869.25	0.06188301	0.0008114	-4.0143129	down
1131515.13	930895.063	0.13313373	0.01143524	-2.9090519	down
0	37333.9922	0.07885516	0.00564025	-3.664651	down
787103.438	418072.125	0.03120158	0.04744729	-5.0022371	down
37608784	19312486	0.01754944	0.0357659	-5.8324309	down
12491387	14542009	0.06440291	0.02843984	-3.9567302	down
12983499	16302902	0.06368477	0.03482328	-3.9729079	down
1797122.5	1716001.63	0.24753645	9.29E-06	-2.0142871	down
1469838.25	1261549.13	0.031136	0.00658379	-5.0052726	down
255145.031	130696.695	0.14503565	0.04312812	-2.7855206	down
1076180.75	594139.25	0.02261335	0.0359378	-5.4666813	down
648320.563	522338.594	0.05390444	0.00901176	-4.2134522	down
397714.688	475124.531	0.01430304	0.04256296	-6.1275345	down
210927.75	203434.313	0.06037961	8.58E-05	-4.0497947	down
1273004	1964007.5	0.00634633	0.01844131	-7.2998611	down
1632740.25	798135	0.02866368	0.04127739	-5.1246324	down
130208.5	161819.344	0.23324176	0.04409647	-2.100102	down
42908024	26339244	0.17623387	0.0252615	-2.5044369	down
5111713	2982690.5	0.23643251	0.01203456	-2.0804997	down
173300.672	92944.5625	0.16796298	0.0383585	-2.5737848	down
987781.375	637353.875	0.03751102	0.01883724	-4.7365417	down
6081246	2831801.5	0.00329797	0.04281026	-8.2442062	down
6318148.5	5764266	0.00720585	0.02220432	-7.1166165	down
178456.359	164121.281	0.02047052	0.00734548	-5.6103086	down
283283.844	208013.125	0.08479452	0.01036664	-3.5598852	down
5281918.5	3169618.5	0.05092096	0.0227341	-4.2955965	down
1299208.63	1850306.88	0.09080844	0.03553215	-3.4610298	down
5900698	4052881.75	0.03554274	0.01195587	-4.8143014	down
651340.625	337064.906	0.12816456	0.04072146	-2.9639307	down
0	114842.969	0.0252293	0.00151554	-5.3087562	down
0	34380	0.07856042	0.00665278	-3.6700535	down
106873.516	101523.039	0.19175549	0.00271655	-2.3826602	down

16182934	18263486	0.02034792	0.01064255	-5.618975	down
5082329.5	3146594	0.07961467	0.01909318	-3.6508218	down
1080219.13	952070.813	0.08472664	0.01770998	-3.5610406	down
1109664.13	2097554.75	0.06588197	0.03462055	-3.9239725	down
0	137216.016	0.13966973	0.00074513	-2.8399087	down
4317927	3845191	0.14284081	7.87E-05	-2.8075199	down
9604032	5833403	0.10671728	0.02887179	-3.2281342	down
425056.75	527137.75	0.0393883	0.025852	-4.666089	down
246012.375	199019.656	0.18798424	0.0041462	-2.4113164	down
0	124450.023	0.10928339	0.01053754	-3.193854	down
196403.313	101769.094	0.24726554	0.03762005	-2.0158669	down
468809.656	546199.813	0.05235265	4.57E-05	-4.2555936	down
842766	542616.313	0.14882816	0.04170489	-2.7482805	down
80021.6406	37036.957	0.20400185	0.01993116	-2.2933459	down
111767.969	47332.2188	#NAME?	0	#NAME?	down
299273.25	269564.688	#NAME?	0	#NAME?	down
355019.094	180554.938	0.04278613	0.03668715	-4.5467131	down
335220.813	271303.938	0.2256291	0.00559481	-2.1479749	down
0	185503.734	0.09134661	0.00061929	-3.452505	down
147052.344	161696.141	0.23250935	0.01210458	-2.1046394	down
843934.438	670002.063	0.0150174	0.0177945	-6.0572211	down
178299440	156603200	0.14713854	3.57E-05	-2.764753	down
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2149925.25	1037208.13	#NAME?	0	#NAME?	down
250698.922	235834.297	0.19522434	0.00011671	-2.3567952	down
165899.109	140330.594	0.04467949	0.00361947	-4.4842436	down
173293.859	115882.023	0.05703731	0.01530879	-4.1319502	down
120048000	55573584	0.01590234	0.04182599	-5.9746167	down
6167389	3656484.5	0.16816633	0.02812611	-2.5720392	down
3298193.5	1831235.13	0.01969567	0.02645109	-5.6659781	down
639771.813	355573.375	0.13270572	0.03503874	-2.9136975	down
0	57685.1953	0.19372461	0.00936849	-2.3679208	down
228566.422	229654.219	0.20018988	1.03E-06	-2.3205591	down
104373	145558.813	0.18430649	0.03047982	-2.4398212	down
58812.0625	30298.6641	0.15884844	0.01577163	-2.6542772	down
352302.313	443168.563	0.06758867	0.00514608	-3.8870748	down
226232.016	231670.672	0.10709531	0.00850294	-3.2230328	down
382887.531	446307.969	0.13514446	0.02440644	-2.8874258	down
258567.969	202851.172	0.18451418	0.00055828	-2.4381964	down
128031.844	87484.9688	0.20735009	0.01708356	-2.2698594	down
804876	841241	0.17419649	1.61E-05	-2.5212125	down
551262.313	152547.703	#NAME?	0	#NAME?	down
2226877	1816469.13	0.08047278	0.01092282	-3.6353553	down
5408421.5	4506807	0.0059262	0.00485911	-7.3986766	down
294993.969	258608.281	0.09730479	0.02437755	-3.3613454	down
77669.1484	111437.906	0.24097364	0.02459029	-2.0530528	down
4577376.5	4117508	0.07304008	0.01253256	-3.7751678	down
1688006.75	859752.188	0.02218204	0.03748447	-5.4944643	down
400325.938	458215.656	0.00939344	0.00173905	-6.7341305	down
256405.719	324061.625	0.07348005	0.01776148	-3.7665037	down
140415.484	80642.9609	0.09839782	0.03741692	-3.3452298	down
1155577	600363.438	0.15552825	0.04722636	-2.6847515	down
511132.063	318346.531	0.20883215	0.02647477	-2.2595842	down
390530.844	298895.438	0.11370847	0.00037006	-3.1365883	down

131896416	80323176	0.08901936	0.02245843	-3.4897371	down
4733292.5	2830150	0.00552807	0.02057681	-7.4990091	down
730364.563	1417263.75	0.08468341	0.03725869	-3.5617769	down
209887.266	114285.336	0.21955436	0.01026052	-2.1873499	down
166226.922	168581.281	0.21142832	0.0007322	-2.2417595	down
237493.656	176406.422	0.07977481	0.01121731	-3.6479229	down
71649.6328	60882.4063	0.13855972	0.02792455	-2.8514202	down
727557.625	332782.344	0.05049938	0.04838387	-4.3075905	down
79353.5625	49275.7148	0.11076799	0.0220979	-3.174387	down
49197.1992	33544.1523	0.22753096	0.00265131	-2.1358653	down
116685.523	141083.766	0.08898602	0.00543246	-3.4902775	down
585295.25	794003.813	0.00791374	0.01401993	-6.9814237	down
266992.094	143047.078	0.1407496	0.03635606	-2.8287973	down
64791.7461	88464.1797	0.10376873	0.00068889	-3.2685564	down
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19492.0586	32217.5234	#NAME?	0	#NAME?	down
65044392	31404530	0.02537054	0.04039193	-5.300702	down
91896.0469	168165.859	#NAME?	0	#NAME?	down
0	492470.031	0.0983094	0.00080417	-3.3465268	down
0	3086544.5	0.1145396	0.01857717	-3.1260816	down
4710811.5	3572823.5	0.01530969	0.01020293	-6.0294115	down
630523.438	404219.031	0.19300574	0.02249896	-2.3732843	down
831440.5	818230.688	0.22801725	0.00027447	-2.1327851	down
63204688	35631700	0.00031318	0.02592725	-11.640701	down
344209.406	317987.031	0.0654323	0.01013969	-3.9338533	down
66546.8359	50780.082	#NAME?	0	#NAME?	down
2242156.25	2293727.25	0.01235243	0.01102579	-6.3390614	down
154751.281	156549.5	0.16632842	0.02634106	-2.5878934	down
85261.7109	59463.8047	0.1363328	0.04052543	-2.8747954	down
1058127.5	1228339	0.06638367	0.01806833	-3.9130279	down
471716.688	349283.938	0.08665764	0.00105049	-3.5285293	down
749694.75	1166966.38	0.00581496	0.0190233	-7.4260154	down
872959.563	732888.188	0.10096309	0.00967701	-3.3081001	down
0	92974.0547	0.17794849	0.00210981	-2.4904684	down

Protein	Description	Gene	MNNG_1	MNNG_2	MNNG_3	Osteoblast1
A8TX70	Collagen alpt	COL6A5	0	0	0	77088.5469
B9A064	Immunoglob	IGLL5	509497.219	383514.75	91080.2656	5589225.5
O00391	Sulfhydryl oxi	QSOX1	208641.078	214637.188	122032.594	1010302.94
O00469	Procollagen-	PLOD2	17670.5801	19193.9785	19255.4238	195423.547
O00622	Protein CYR6	CYR61	17677.4473	17802.8828	23535.4395	802018.5
O00754	Lysosomal al	MAN2B1	38154.3672	36078.6328	42585.5664	213196
O43286	Beta-1,4-gal	B4GALT5	53203.2578	52680.7461	71916.6719	295101.594
O43505	Beta-1,4-glu	B4GAT1	31918.3555	28246.1641	32451.373	163779.516
O43852	Calumenin	CALU	18922.8418	19827.752	16235.5781	217148.313
O60462	Neuropilin-2	NRP2	2505.03198	0	9190.38965	95607.8672
O60687	Sushi repeat-	SRPX2	6443.05322	11361.2266	0	290020.469
O60888	Protein CutA	CUTA	107220.148	211805.781	362041.844	2194230.25
O75144	ICOS ligand	ICOSLG	28463.6133	27953.373	48256.9883	261061.078
O76061	Stanniocalcin	STC2	9554.73828	9937.08008	15004.1035	538649.375
O94823	Probable phc	ATP10B	9190.24414	4980.99707	0	592786.563
O95197	Reticulon-3	RTN3	18295.4102	17544.2852	12127.1172	104513.203
O95445	Apolipoprote	APOM	679111.375	616984.188	630787.313	2831497.75
P00441	Superoxide d	SOD1	103538	80701.9688	143781.391	497276.219
P00488	Coagulation f	F13A1	362438.094	395477.969	350410.125	2800773.5
P00747	Plasminogen	PLG	65799.8438	42791.7344	28070.7871	2657272.5
P01008	Antithrombin	SERPINC1	4766346	4003508.25	5519488	30211412
P01024	Complement	C3	1460695.75	1432788.75	1867557.63	19360314
P01034	Cystatin-C	CST3	34679.8633	27897.7383	79011.6797	478651.938
P01344	Insulin-like g	IGF2	328239.75	312452.344	416989.875	1340448.25
P01591	Immunoglob	JCHAIN	19459.8379	22383.0313	25127.0918	1552234
P01621	Ig kappa chain	V-III region	55183.9727	56574.8672	77534.2188	490984.313
P02042	Hemoglobin	HBD	62963804	55685136	5651221	163943824
P02100	Hemoglobin	HBE1	4799.58887	5216.32129	2722.85425	47252.0313
P02452	Collagen alpt	COL1A1	553586.188	476121.656	462167.375	43402192
P02458	Collagen alpt	COL2A1	74464.75	75385.4609	69313.2969	20690848
P02461	Collagen alpt	COL3A1	164195.016	146874.781	189176.25	2539114.5
P02649	Apolipoprote	APOE	195431.719	199100.156	161136.266	2960874.25
P02656	Apolipoprote	APOC3	313106.125	290007	328423.969	1624284.75
P02679	Fibrinogen g	FGG	14396.1914	8738.48242	0	652600.875
P02751	Fibronectin	FN1	1397370.88	1967063	1319067.25	175538944
P02753	Retinol-bind	RBP4	394573.406	344734.156	623915.125	7708836.5
P02765	Alpha-2-HS-	AHSG	5372146	4324859	1555995.38	540249024
P02768	Serum album	ALB	179494720	169656096	276025408	1.8661E+10
P02774	Vitamin D-bi	GC	2663630	2426235.75	3618333	30924030
P03956	Interstitial col	MMP1	18279.9434	16823.7461	8387.48242	245802.781
P04003	C4b-binding	C4BPA	109084.688	154685.016	119105.984	1036899.75
P04114	Apolipoprote	APOB	239361.625	241222.063	120166.727	3385773.5
P04216	Thy-1 memb	THY1	23922.4434	12514.1953	16217.7461	475917.781
P04275	von Willebrar	VWF	14095.5117	11979.3662	10231.3018	174714.328
P04278	Sex hormone	SHBG	103391.063	103848.359	144360.922	784091.813
P04745	Alpha-amyla	AMY1A	70288.5703	67731.7813	114492.625	620849.563
P05090	Apolipoprote	APOD	149765.484	148953.406	90016.2656	709488.875
P05121	Plasminogen	SERPINE1	29257.0508	30834.2383	26161.7246	3233969.25
P05155	Plasma prote	SERPING1	322328.625	286477.844	818767.563	4814396
P05231	Interleukin-6	IL6	3590.81592	0	4072.07983	417961.75
P05452	Tetranectin	CLEC3B	609272.563	530378.438	327860.125	2183074
P05543	Thyroxine-bir	SERPINA7	190778.063	182085.75	306934.063	1435918.38
P07093	Glia-derived	SERPINE2	28262.3398	32126.5078	27248.4707	457769.625

P07225	Vitamin K-de PROS1	506502.844	499388.531	505405.344	2482575.5
P07585	Decorin DCN	0	0	0	2122213.25
P07942	Laminin subu LAMB1	89765.6016	93028.1953	98464.9219	1245132.88
P07996	Thrombospoi THBS1	4647480	4451297	5842345	119972792
P08123	Collagen alpt COL1A2	178706.125	155650.391	196682.531	16283200
P08253	72 kDa type I MMP2	37986.7969	41034.1875	57607.25	4767560.5
P08476	Inhibin beta /INHBA	0	5197.68115	10939.9014	277860.406
P09341	Growth-regu CXCL1	0	0	0	7859903.5
P0C0L4	Complement C4A	476880.281	453851.125	462934.938	3976250.25
P10124	Serglycin SRGN	0	0	0	498227.219
P10145	Interleukin-8 CXCL8	0	0	0	1520723.5
P10643	Complement C7	134286.766	135793.797	174461.734	805346.625
P11047	Laminin subu LAMC1	43141.7617	45385.1055	33458.875	769181.125
P11177	Pyruvate deh PDHB	37435.6992	2773.79565	62267.6758	216935.828
P11362	Fibroblast grc FGFR1	37516.8516	22701.7441	26479.5957	118196.094
P11717	Cation-indep IGF2R	88431.3203	96854.9688	88997.8594	424402.313
P12107	Collagen alpt COL11A1	13401.54	9105.5332	13808.4463	437364.75
P12109	Collagen alpt COL6A1	896933.5	1014577.13	1008699.44	26611642
P12110	Collagen alpt COL6A2	1476717.5	1840148.5	1831700.25	8113221
P12111	Collagen alpt COL6A3	1709215.25	2282622.75	2275002	8482742
P13591	Neural cell ac NCAM1	59334.3438	54645.9688	74095.4531	405040.125
P13611	Versican core VCAN	28559.1973	12516.7393	10714.1602	1117256.75
P13798	Acylamino-ac APEH	19463.6035	19356.9941	28110.0996	203079.016
P16035	Metalloprotei TIMP2	34051.1211	26987.5488	44401.6328	674719.625
P16112	Aggrecan cor ACAN	19339	16733.2539	28792.9414	482052.219
P16930	Fumarylacetc FAH	19621.7305	12686.2178	20351.3027	110370.969
P17936	Insulin-like gl IGFBP3	1548.7168	0	5417.15625	2017370.38
P19823	Inter-alpha-t ITIH2	4788535	4935901	5673047	34503536
P19827	Inter-alpha-t ITIH1	505180.719	447682.063	701345.125	3924110.5
P19875	C-X-C motif CXCL2	0	0	0	409247
P19876	C-X-C motif CXCL3	0	0	0	298615.313
P20849	Collagen alpt COL9A1	14502.0986	9040.73242	19211.4961	141804.719
P20908	Collagen alpt COL5A1	137241.391	148345.234	168522.828	727181.063
P21810	Biglycan BGN	142554.75	163235.453	32047.3965	3712921.75
P22105	Tenascin-X TNXB	3617.0188	4243.56934	5928.85303	133076.078
P22626	Heterogeneo HNRNPA2B1	59449.2813	58511.1719	57703.9727	286667.906
P23142	Fibulin-1 FBLN1	227986.875	229035.859	272713.031	4094277
P24821	Tenascin TNC	50235.5547	49699.2617	35778.4609	1014256.56
P26022	Pentraxin-rel PTX3	40049.9805	40606.293	67100.875	5258973
P26927	Hepatocyte g MST1	56215.6211	48484.8984	74624.1797	496300.563
P27635	60S ribosomæ RPL10	42354.6602	34087.3555	1541.57861	370579.094
P28065	Proteasome s PSMB9	4626.1958	3201.65967	0	48954.4922
P28300	Protein-lysinæ LOX	0	4308.45996	5109.60889	363726.469
P30086	Phosphatidylæ PEBP1	35021.9219	74831.7344	125280.797	864857.25
P35442	Thrombospoi THBS2	526720.375	488022.531	670270.813	12761292
P35443	Thrombospoi THBS4	316100.344	293761.469	508770.125	4121697.5
P35527	Keratin, type KRT9	51162.332	74707.6094	69306.5078	1450968.13
P35908	Keratin, type KRT2	236661.328	403122.5	399706.469	3921650
P36955	Pigment epitl SERPINF1	1068729.75	1009032.75	1109932.38	6594452.5
P39059	Collagen alpt COL15A1	14759.9814	12442.7607	17309.9043	299284.688
P48740	Mannan-binæ MASP1	33494.4844	44638.3086	43197.3906	544179.375
P52823	Stanniocalcin STC1	0	0	0	108828.063
P55285	Cadherin-6 CDH6	21522.6855	21891.7969	25694.0371	263199.469
P62995	Transformer- TRA2B	77612.4297	84689.3984	38056.8516	530145.938

P78539	Sushi repeat- SRPX	24620.9258	28695.1621	27634.3477	389804.344
P80162	C-X-C motif CXCL6	0	0	0	3016108.75
P98160	Basement mē HSPG2	11533.9375	12189.6055	15455.7725	403314.75
Q02809	Procollagen- PLOD1	15960.7939	31915.5996	31394.7031	138342.688
Q02818	Nucleobindin NUCB1	24912.4824	25748.5488	33990.8711	134929.516
Q03181	Peroxisome p PPARD	1275666.13	1065821.38	1048502.63	95690448
Q06033	Inter-alpha-t ITIH3	700481.438	690665.688	1123821	5470790
Q06203	Amidophosph PPAT	48048.9844	40914.5898	50149.2344	2732075.25
Q06828	Fibromodulin FMOD	52577.2539	50839.2109	84825.625	472282
Q07092	Collagen alph COL16A1	0	0	0	240926.453
Q12884	Prolyl endope FAP	54246.7188	53377.1445	60085.7422	232141.703
Q13163	Dual specific MAP2K5	2658685.25	2525682.5	4508393	27340140
Q13822	Ectonucleotic ENPP2	23506.5664	21434.1699	27245.8203	174375.219
Q14112	Nidogen-2 NID2	12229.8936	12323.1328	16664.0273	272059.031
Q14624	Inter-alpha-t ITIH4	32244.2246	34254.2578	47027.6484	210113.391
Q14764	Major vault p MVP	86076.75	97860.5469	78336.9375	765741.125
Q15063	Periostin POSTN	194967.469	200896.516	210273.813	1602860.63
Q15113	Procollagen (PCOLCE	282623.75	267152.688	291200.625	4340180.5
Q15493	Regucalcin RGN	42209.2852	37593.5938	61970.0703	175878.141
Q15582	Transforming TGFBI	452542.781	441187.656	532175	3156944.75
Q16270	Insulin-like g IGFBP7	71933.3203	67457.2109	52883.1133	1170431
Q16363	Laminin subu LAMA4	1498.71582	3211.39673	1837.06348	413254.063
Q16610	Extracellular r ECM1	31899.6445	29564.3457	26759.291	209460.672
Q16674	Melanoma-d MIA	10735.9629	9039.33789	12475.6123	89204.7109
Q16853	Membrane p AOC3	86636.4141	82270.0156	153491.547	1155179.38
Q6YHK3	CD109 antigen CD109	84161.8516	77969.125	117264.539	443494.563
Q76LX8	A disintegrin ADAMTS13	83956.8047	79791.9297	88720.7891	333701
Q7KZ85	Transcription SUPT6H	418647.781	15683663	15164988	103247128
Q7Z3U7	Protein MON MON2	14614.6797	8191.88574	26182.748	4238393.5
Q7Z7G0	Target of Nes ABI3BP	6613.87891	4360.13037	7665.84668	423851.219
Q8IUL8	Cartilage inte CILP2	16682.082	24541.6367	44959.8672	212758.031
Q8N1N4	Keratin, type KRT78	6412.55615	2070.5249	8043.25977	100808.656
Q8NBJ4	Golgi membr GOLM1	11156.8311	11130.5273	20891.4844	317513.125
Q8NBS9	Thioredoxin c TXNDC5	6293.40332	7270.03027	8989.33105	59496.8594
Q8WUJ3	Cell migration CEMIP	12105.5029	13122.1279	11033.3389	146531.875
Q8WXE9	Stonin-2 STON2	0	0	0	549122.688
Q93088	Betaine--hor BHMT	29350.7832	31528.5156	30788.9219	216999.25
Q96CG8	Collagen tripl CTHRC1	4457.92773	6510.34668	9945.78906	76020.3125
Q96JB6	Lysyl oxidase LOXL4	0	0	0	31368.4863
Q96RW7	Hemicentin-1 HMCN1	2002060.5	1316391.88	456945.656	47601024
Q99715	Collagen alph COL12A1	327865	352253.719	559795.813	9335523
Q9BY76	Angiopoietin ANGPTL4	11198.4326	14809.251	10297.1465	119535.891
Q9H583	HEAT repeat- HEATR1	45517.7852	62335.6641	3029.3335	460353.094
Q9H6B4	CXADR-like r CLMP	633731.938	34850.9453	853204.75	4471939
Q9HDC9	Adipocyte pl APMAP	151889.516	192749.25	112607.016	5043623
Q9NPH3	Interleukin-1 IL1RAP	61980.4453	55907.9375	66007.5703	534726.75
Q9NQC3	Reticulon-4 RTN4	199397.656	231236.016	162325.875	990735.625
Q9NR30	Nucleolar RN DDX21	60305.2773	71457.1641	41317.8398	59828184
Q9NRN5	Olfactomedir OLFML3	37414.1875	37948.1016	29066.7813	246114.219
Q9NZP8	Complement C1RL	0	0	0	56888.9102
Q9P2D3	HEAT repeat- HEATR5B	120032.352	119397.891	108155.219	1624527.38
Q9UBG0	C-type mann MRC2	16117.5488	15776.6904	22344.9531	98426.7344
Q9UGM3	Deleted in m DMBT1	53977.3203	52301.1133	86360.8438	1620548.38
Q9UHI8	A disintegrin ADAMTS1	0	0	0	211929.641

Q9UK55	Protein Z-de	SERPINA10	22693.4727	64934.2773	61235.3047	349665.375
Q9Y2X7	ARF GTPase-	GIT1	39463	0	5839.76123	832881.313
Q9Y4K0	Lysyl oxidase	LOXL2	30834.3789	20582.1738	58229.8203	642683.063
Q9Y5C1	Angiopoietin	ANGPTL3	17972.6992	10048.5957	9539.0127	113178.102
Q9Y6C2	EMILIN-1	EMILIN1	15354.667	13681.0859	29355.2715	256856.438

Osteoblast2	Osteoblast3	MNNG.vs.Osi	MNNG.vs.Osi	MNNG.vs.Osi	MNNG.vs.Osteoblast	UP.D
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8012191.5	4820023.5	0.05342103	0.02472768	-4.2264485	down	
1379340.38	784346.125	0.17180614	0.00760049	-2.5411465	down	
219409.109	167949.781	0.09629663	0.00704068	-3.3763709	down	
495080.781	812536.875	0.02797438	0.02238948	-5.1597499	down	
275519.75	149103.563	0.18315307	0.04109733	-2.4488782	down	
376298.938	244293.531	0.19417039	0.00321908	-2.3646049	down	
137959.359	101226.484	0.22983587	0.028875	-2.1213241	down	
230224.672	153953.578	0.09144145	0.0161529	-3.4510079	down	
100312.938	46468.1172	0.07237597	0.04403194	-3.7883455	down	
141376.234	212756.797	0.04145971	0.03398687	-4.592146	down	
2946819	1880132.25	0.09700188	0.00288576	-3.3658435	down	
344439.469	174962.516	0.13411778	0.04184743	-2.8984276	down	
736076.5	779267.938	0.01679456	0.01185446	-5.8958622	down	
886658.813	752521.75	0.00952382	0.01298652	-6.7142433	down	
61486.4844	103019.953	0.17830227	0.03266813	-2.487603	down	
3249384	1914967.75	0.24098539	0.03565245	-2.0529824	down	
522567.656	300515.25	0.24843344	0.01035143	-2.0090687	down	
2963346.25	4349713.5	0.10958518	0.02569881	-3.1898755	down	
3331336.75	1611934.63	0.0179806	0.03806556	-5.7974148	down	
40719696	21346772	0.15485122	0.04264343	-2.6910454	down	
23938682	11885536	0.08627494	0.04081664	-3.5349146	down	
357385.563	371643.969	0.11724058	0.00102024	-3.092456	down	
2355847.25	1486736	0.20406628	0.04788543	-2.2928903	down	
1854048.75	1286563.38	0.01427065	0.01110827	-6.1308052	down	
452385.625	392803.969	0.14166798	0.00020341	-2.8194144	down	
174269616	167295392	0.24589118	0.00224515	-2.0239081	down	
70522.6875	49799.6055	0.07601859	0.0188753	-3.7175039	down	
60887532	57844964	0.00920146	0.00999128	-6.7639221	down	
19684960	9763341	0.00437111	0.04121669	-7.8377861	down	
3970310.25	2653301	0.05459577	0.02430354	-4.1950671	down	
2121511.5	1423428.63	0.085411	0.04662831	-3.5494342	down	
2062006	1517510.25	0.1790109	0.0131067	-2.4818807	down	
323055.313	578729.25	0.02232523	0.03662663	-5.4851812	down	
209801808	248816992	0.00738539	0.01001992	-7.0811105	down	
8963601	5013635	0.06286167	0.02778148	-3.9916756	down	
481925056	235388656	0.00894826	0.0470182	-6.8041768	down	
1.7245E+10	1.3059E+10	0.01276775	0.01069392	-6.2913522	down	
44400800	23247808	0.08834296	0.0396392	-3.500741	down	
156423.703	120538.133	0.08319456	0.04939852	-3.587367	down	
1155820.75	1730243	0.09759859	0.03091922	-3.356996	down	
3458773.5	2642428.5	0.0633237	0.00664124	-3.9811106	down	
514798.438	711335.188	0.03093584	0.01694673	-5.0145771	down	
137147.281	129039.406	0.08234542	0.01034485	-3.6021678	down	
1257456.88	741959.188	0.12631556	0.03834199	-2.9848958	down	
870071.313	442593.25	0.13059795	0.04379113	-2.9367959	down	
1354630.63	1194717.75	0.11928646	0.03752713	-3.0674978	down	
3739384.75	2250638.5	0.00935094	0.01997593	-6.7406727	down	
6697311.5	3028102.5	0.09818382	0.01518854	-3.3483709	down	
593040.25	466689.313	0.00777858	0.01120234	-7.006277	down	
2862269.75	2648153.5	0.19074695	0.00067125	-2.3902681	down	
1952741.88	1097827.75	0.15152116	0.00728774	-2.7224088	down	
469718.531	506453.875	0.06111636	0.00095933	-4.0322976	down	

2928418	1551278.25	0.21706948	0.04640656	-2.2037712	down
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142124016	148553600	0.03638404	0.00420142	-4.7805503	down
22820206	22035850	0.00868573	0.01024322	-6.8471372	down
7582942.5	4855408.5	0.00794077	0.02537791	-6.9765049	down
344188.5	247076.078	0.02785143	0.00472531	-5.1661048	down
7623940	2650092.5	#NAME?	0	#NAME?	down
4735114	3259219.5	0.11642426	0.01427736	-3.1025364	down
710033.25	623048.25	#NAME?	0	#NAME?	down
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1185000.25	722636.875	0.04557117	0.02845479	-4.4557347	down
314982.906	160104.531	0.14808342	0.01535904	-2.755518	down
179770.203	90240.3359	0.22333001	0.01998481	-2.162751	down
403580.5	348016.406	0.23323498	0.00518648	-2.1001439	down
787103.438	418072.125	0.02210936	0.04666465	-5.4991987	down
37608784	19312486	0.0349588	0.03699516	-4.8382007	down
12491387	14542009	0.14648825	0.03367539	-2.7711432	down
12983499	16302902	0.16592487	0.04268858	-2.591398	down
585858.625	315098.688	0.14400929	0.04207962	-2.7957662	down
1469838.25	1261549.13	0.01345671	0.00634731	-6.2155302	down
255145.031	130696.695	0.11364975	0.03964846	-3.1373335	down
1076180.75	594139.25	0.04496312	0.03750452	-4.475114	down
648320.563	522338.594	0.03924775	0.00856028	-4.6712464	down
138357.734	78087.6016	0.16112798	0.03232737	-2.6337211	down
1273004	1964007.5	0.00198859	0.01828848	-8.9740387	down
42908024	26339244	0.14840832	0.02505983	-2.7523561	down
5111713	2982690.5	0.13763831	0.02875609	-2.8610461	down
392120.063	179692.188	#NAME?	0	#NAME?	down
180220.125	61373.7266	#NAME?	0	#NAME?	down
173300.672	92944.5625	0.10477719	0.03320854	-3.2546034	down
987781.375	637353.875	0.19304778	0.02574901	-2.3729701	down
6318148.5	5764266	0.02138844	0.02260066	-5.5470249	down
178456.359	164121.281	0.0289905	0.00736057	-5.1082758	down
283283.844	208013.125	0.22579994	0.01593214	-2.146883	down
5281918.5	3169618.5	0.05816568	0.02320016	-4.1036881	down
1299208.63	1850306.88	0.03259383	0.03177513	-4.9392573	down
5900698	4052881.75	0.00971284	0.01141869	-6.6858905	down
651340.625	337064.906	0.12078128	0.0399576	-3.0495313	down
0	196406.75	0.09169376	0.03092841	-3.4470327	down
0	34380	0.09393296	0.03561634	-3.4122247	down
517392.344	254507.641	0.01243992	0.03917027	-6.3288789	down
749178.438	378717.688	0.11799476	0.01704643	-3.0832053	down
16182934	18263486	0.03569361	0.01091833	-4.8081903	down
5082329.5	3146594	0.09057293	0.02027656	-3.4647763	down
1080219.13	952070.813	0.05603273	0.01793897	-4.1575865	down
4317927	3845191	0.08601657	1.93E-05	-3.5392416	down
9604032	5833403	0.14468551	0.03191432	-2.7890077	down
425056.75	527137.75	0.03556803	0.02574701	-4.8132752	down
468809.656	546199.813	0.07781622	0.00241407	-3.6837853	down
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173293.859	115882.023	0.1996011	0.00272225	-2.3248085	down
120048000	55573584	0.0124948	0.0415543	-6.3225281	down
6167389	3656484.5	0.16443435	0.00502053	-2.6044163	down
3298193.5	1831235.13	0.01769544	0.02644211	-5.8204782	down
639771.813	355573.375	0.12826288	0.0334628	-2.9628244	down
317998	344779.469	#NAME?	0	#NAME?	down
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38997316	18936590	0.11366601	0.04785157	-3.1371272	down
226232.016	231670.672	0.11416903	0.00897353	-3.1307567	down
382887.531	446307.969	0.03742736	0.02006917	-4.7397628	down
258567.969	202851.172	0.1690553	0.00050462	-2.5644329	down
804876	841241	0.10874364	5.82E-06	-3.2009971	down
2226877	1816469.13	0.1073531	0.01163365	-3.2195642	down
5408421.5	4506807	0.05899354	0.00544483	-4.0832992	down
294993.969	258608.281	0.19434786	0.00555154	-2.3632869	down
4577376.5	4117508	0.120311	0.01386495	-3.0551595	down
1688006.75	859752.188	0.05171163	0.03967622	-4.2733675	down
400325.938	458215.656	0.00514798	0.00171186	-7.6017784	down
256405.719	324061.625	0.11168522	0.01945969	-3.1624899	down
140415.484	80642.9609	0.10394696	0.03790827	-3.2660805	down
1155577	600363.438	0.11074707	0.04116906	-3.1746596	down
511132.063	318346.531	0.21948265	0.00458588	-2.1878212	down
390530.844	298895.438	0.24676258	0.01010499	-2.0188045	down
131896416	80323176	0.09911441	0.00383453	-3.3347613	down
4733292.5	2830150	0.00415099	0.0205187	-7.9123285	down
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166226.922	168581.281	0.1573939	0.00088893	-2.6675485	down
71649.6328	60882.4063	0.07082494	0.02408245	-3.8195987	down
487378.188	232587.188	0.04161902	0.04722481	-4.5866131	down
79353.5625	49275.7148	0.11988108	0.02390289	-3.0603241	down
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585295.25	794003.813	#NAME?	0	#NAME?	down
266992.094	143047.078	0.14619235	0.03833457	-2.7740603	down
64791.7461	88464.1797	0.09121775	0.00058624	-3.4545415	down
19492.0586	32217.5234	#NAME?	0	#NAME?	down
65044392	31404530	0.02620895	0.04029063	-5.2537966	down
8199788.5	12020047	0.04195228	0.01380406	-4.5751071	down
91896.0469	168165.859	0.09564025	0.0354847	-3.3862382	down
0	492470.031	0.07758193	0.00043749	-3.6881356	down
0	3086544.5	0.13422336	0.01240646	-2.8972923	down
4710811.5	3572823.5	0.03430907	0.01044572	-4.8652663	down
630523.438	404219.031	0.11717079	0.01940454	-3.0933151	down
831440.5	818230.688	0.22457128	0.00031693	-2.1547546	down
63204688	35631700	0.00109086	0.02596598	-9.8403229	down
344209.406	317987.031	0.11497065	0.01117949	-3.1206624	down
66546.8359	50780.082	#NAME?	0	#NAME?	down
2242156.25	2293727.25	0.05642245	0.01206774	-4.1475869	down
154751.281	156549.5	0.13237869	0.02379155	-2.9172572	down
1058127.5	1228339	0.049306	0.01726161	-4.342093	down
79440.0859	195729.953	#NAME?	0	#NAME?	down

471716.688	349283.938	0.127161	0.00136604	-2.9752719	down
749694.75	1166966.38	0.02471471	0.01235633	-5.3384863	down
872959.563	732888.188	0.04876356	0.00046587	-4.3580527	down
0	92974.0547	0.12146468	0.00165612	-3.0413913	down
238170.063	430163.594	0.06311246	0.04115459	-3.9859313	down

Protein	Description	Gene	SaOS2_1	SaOS2_2	SaOS2_3	Osteoblast1
A8TX70	Collagen alpr	COL6A5	0	0	0	77088.5469
O00391	Sulfhydryl oxi	QSOX1	127931.352	102492.352	159876.781	1010302.94
O00469	Procollagen-	PLOD2	23142.4512	20687.5156	28107.9902	195423.547
O00622	Protein CYR6	CYR61	54217.8594	38638.9922	38463.0547	802018.5
O15260	Surfeit locus	SURF4	22377.4043	34837.4531	0	143168.219
O43286	Beta-1,4-gal	B4GALT5	78473.2031	65443.3398	77789.6641	295101.594
O43505	Beta-1,4-glu	B4GAT1	29334.6406	25361.7402	21604.4219	163779.516
O43852	Calumenin	CALU	14939.8477	27927.0078	26438.6758	217148.313
O60687	Sushi repeat-	SRPX2	0	0	0	290020.469
O60888	Protein CutA	CUTA	298176.313	257789.938	252053.531	2194230.25
O75144	ICOS ligand	ICOSLG	32201.3457	25875.459	21904.6836	261061.078
O76061	Stanniocalcin	STC2	0	0	0	538649.375
O94823	Probable phc	ATP10B	0	0	0	592786.563
P00491	Purine nuclec	PNP	11230.5195	12968.626	12784.584	109750.742
P00533	Epidermal gr	EGFR	13290.5361	9513.28809	8745.45215	60279.7891
P00747	Plasminogen	PLG	284696.844	286622.063	433119	2657272.5
P01008	Antithrombin	SERPINC1	5267663.5	4654368.5	4623703.5	30211412
P01034	Cystatin-C	CST3	23853.0117	21027.1543	29235.9219	478651.938
P02452	Collagen alpr	COL1A1	813268.563	798601.5	753355.875	43402192
P02458	Collagen alpr	COL2A1	186566.828	290246.219	411505.594	20690848
P02461	Collagen alpr	COL3A1	114011.75	96521.3516	76736.8828	2539114.5
P02462	Collagen alpr	COL4A1	0	0	0	237286
P02538	Keratin, type	KRT6A	77929.75	151146	198838.938	462970.625
P02679	Fibrinogen g	FGG	16638.9219	8898.37695	21345.3613	652600.875
P02751	Fibronectin	FN1	3418343.75	3145330	3987302.5	175538944
P02753	Retinol-bind	RBP4	605797.5	489203.938	539513.563	7708836.5
P02768	Serum album	ALB	522862496	499258976	448964448	1.8661E+10
P02774	Vitamin D-bi	GC	4726051	5246421.5	4895484.5	30924030
P03956	Interstitial col	MMP1	0	0	0	245802.781
P04114	Apolipoprote	APOB	424098.625	493479.531	581863.813	3385773.5
P04216	Thy-1 memb	THY1	93936.6406	102093.414	64583.9688	475917.781
P04275	von Willebrar	VWF	15751.54	16830.791	16249.5742	174714.328
P04278	Sex hormone	SHBG	177370.547	151686.953	163074.5	784091.813
P05121	Plasminogen	SERPINE1	5093.87939	6210.39014	0	3233969.25
P05231	Interleukin-6	IL6	0	0	0	417961.75
P05452	Tetranectin	CLEC3B	249626.078	427439.438	315799.531	2183074
P05543	Thyroxine-bi	SERPINA7	327520.875	293205.688	254682.125	1435918.38
P07093	Glia-derived	SERPINE2	25497.1504	25451.7656	33608.2344	457769.625
P07585	Decorin	DCN	0	0	0	2122213.25
P07602	Prosaposin	PSAP	48089.25	57646.1016	51816.3203	193225.781
P07858	Cathepsin B	CTSB	0	21875.3926	18390.2031	141920.188
P07942	Laminin subu	LAMB1	119623.086	132715.563	128144.375	1245132.88
P07996	Thrombospor	THBS1	1843134.13	1662175.25	1566521.88	119972792
P08123	Collagen alpr	COL1A2	143625.344	92299.8984	119469.008	16283200
P08253	72 kDa type I	MMP2	56470.5156	38564.5352	44776.0469	4767560.5
P08476	Inhibin beta	INHBA	0	0	0	277860.406
P08572	Collagen alpr	COL4A2	0	0	0	241830.891
P09341	Growth-regu	CXCL1	0	0	0	7859903.5
P09619	Platelet-deriv	PDGFRB	0	0	0	49292.7422
P09972	Fructose-bis	ALDOC	20671.752	21196.6895	19600.2734	116641.031
P10124	Serglycin	SRGN	0	0	0	498227.219
P10145	Interleukin-8	CXCL8	0	0	0	1520723.5
P11047	Laminin subu	LAMC1	97555.5547	102967.438	96904.6875	769181.125

P11717	Cation-indep IGF2R	73201.5469	61961.5938	73307.3047	424402.313
P12109	Collagen alpt COL6A1	1189964.38	1587157	2321551.75	26611642
P12110	Collagen alpt COL6A2	82788.2109	89228.9688	95473.5781	8113221
P12111	Collagen alpt COL6A3	88701.8516	65861.8516	90017.3594	8482742
P13591	Neural cell ac NCAM1	74150.5313	88163.6563	84894.3906	405040.125
P16035	Metalloprotei TIMP2	70159.1172	53640.2383	59949.7891	674719.625
P16070	CD44 antiger CD44	104224.477	72000.4375	65786.1016	706553.125
P16112	AggreCAN cor ACAN	44947.2734	26397.584	20384.2656	482052.219
P17936	Insulin-like gl IGFBP3	31316.8086	11951.6504	15929.5508	2017370.38
P18065	Insulin-like gl IGFBP2	109870.164	91432.0625	119532.516	1135820.88
P19823	Inter-alpha-t ITIH2	5379736.5	5910574	5774948	34503536
P19875	C-X-C motif CXCL2	0	0	0	409247
P19876	C-X-C motif CXCL3	0	0	0	298615.313
P20849	Collagen alpt COL9A1	21063.8691	17173.1836	16120.085	141804.719
P20908	Collagen alpt COL5A1	108893.289	104327.18	55109.1406	727181.063
P22105	Tenascin-X TNXB	5748.14893	5957.07861	9428.3584	133076.078
P23142	Fibulin-1 FBLN1	369120.719	325806.313	403927.969	4094277
P24043	Laminin subu LAMA2	0	0	0	61991.1992
P25391	Laminin subu LAMA1	0	0	0	72692.1641
P25940	Collagen alpt COL5A3	0	0	0	129074.5
P26022	Pentraxin-rel. PTX3	0	0	0	5258973
P26927	Hepatocyte g MST1	80747.7891	70316.0938	67348.7188	496300.563
P27701	CD82 antiger CD82	41354.582	35871.7344	43274.2852	336899.344
P28300	Protein-lysine LOX	0	0	0	363726.469
P29597	Non-recepto TYK2	0	0	0	624058.188
P35442	Thrombospor THBS2	180090.5	172860.281	134333.25	12761292
P35443	Thrombospor THBS4	325752	291825.75	280280.75	4121697.5
P35527	Keratin, type KRT9	148544.453	179443.578	161202.703	1450968.13
P35908	Keratin, type KRT2	270200.188	1008777.75	863845.75	3921650
P36955	Pigment epitl SERPINF1	839415.563	569502.875	668234.688	6594452.5
P39023	60S ribosome RPL3	38273.6445	39181.9961	5883.87012	301901.031
P39059	Collagen alpt COL15A1	14541.0801	16309.9043	16518.7324	299284.688
P47929	Galectin-7 LGALS7	7583.67578	44176.2344	21857.4746	82412.6875
P49747	Cartilage olig COMP	96068.875	70543.2422	70069.6719	474714.531
P52823	Stanniocalcin STC1	0	0	0	108828.063
P55268	Laminin subu LAMB2	36345.0508	34501.9688	35529.5039	240018.297
P55285	Cadherin-6 CDH6	17597.4258	11357.3545	12418.9277	263199.469
P55290	Cadherin-13 CDH13	31893.2324	27820.707	23921.043	313293
P62942	Peptidyl-prol FKBP1A	81343.625	55616.5859	77765.4688	718601.063
P62995	Transformer- TRA2B	101159.172	75369.8438	80343.0156	530145.938
P80162	C-X-C motif CXCL6	0	0	0	3016108.75
Q01995	Transgelin TAGLN	13765.5967	11065.9229	0	0
Q02818	Nucleobindin NUCB1	31105.2559	24141.0332	25240.875	134929.516
Q03181	Peroxisome p PPARD	1766035.13	1410524.38	1292452.13	95690448
Q06033	Inter-alpha-t ITIH3	550448.688	469569.063	528821	5470790
Q06203	Amidophosph PPAT	106390.258	70866.5859	80970.5078	2732075.25
Q06828	Fibromodulin FMOD	58348.4375	52169.7891	56266.2617	472282
Q07092	Collagen alpt COL16A1	0	0	0	240926.453
Q10471	Polypeptide f GALNT2	6171.40625	9896.03418	7637.6748	54223.1914
Q12884	Prolyl endope FAP	52544.3086	54387.7305	50831.2031	232141.703
Q13509	Tubulin beta- TUBB3	52644.7656	132622.344	63488.4141	719906
Q13822	Ectonucleotic ENPP2	20045.582	19425.8613	23076.9805	174375.219
Q14112	Nidogen-2 NID2	0	0	0	272059.031
Q14764	Major vault p MVP	63549.1523	59321.3867	48018.2891	765741.125

Q14766	Latent-transf LTBP1	0	0	0	380742.719
Q15063	Periostin POSTN	147388.141	151838.453	164945.016	1602860.63
Q15113	Procollagen (PCOLCE	255275.391	258206.734	279626.219	4340180.5
Q15392	Delta(24)-ste DHCR24	40259.0469	43389.6875	28677.6113	175281.141
Q15582	Transforming TGFBI	151284.469	148324.531	136648.672	3156944.75
Q16270	Insulin-like gl IGFBP7	6405.24219	7848.04395	4625.71484	1170431
Q16363	Laminin subu LAMA4	39267.3242	49247.1992	39363.1563	413254.063
Q16610	Extracellular r ECM1	0	0	0	209460.672
Q16674	Melanoma-d MIA	11010.623	11125.7188	0	89204.7109
Q16853	Membrane p AOC3	0	0	0	1155179.38
Q32P28	Prolyl 3-hydr P3H1	12004.3994	5059.79932	0	58860.0547
Q6P9B9	Integrator co INTS5	0	0	0	464583.625
Q6YHK3	CD109 antigen CD109	76646.9141	35130.5117	38996.3203	443494.563
Q7KZ85	Transcription SUPT6H	573845.5	1146725	663199.188	103247128
Q7Z3U7	Protein MON MON2	43137.5977	37816.0039	48668.1523	4238393.5
Q7Z7G0	Target of Nes ABI3BP	0	0	0	423851.219
Q86UD1	Out at first pr OAF	40569.8633	36500.4609	43436.7734	168282.172
Q8IUL8	Cartilage inte CILP2	54643.9609	21358.127	29437.1465	212758.031
Q8IUX7	Adipocyte en AEBP1	0	0	0	177514.938
Q8N1N4	Keratin, type KRT78	0	2388.62451	13300.8037	100808.656
Q8N884	Cyclic GMP- / MB21D1	88252.6641	164978.672	108270.531	514410.344
Q8TB61	Adenosine 3- SLC35B2	10988.877	6349.68213	0	44509.4922
Q8WUJ3	Cell migration CEMIP	22959.5352	17933.0098	22132.4473	146531.875
Q8WWA0	Intellectin-1 ITLN1	39375.2031	37832.6055	110422.406	287552.156
Q8WXE9	Stonin-2 STON2	0	0	0	549122.688
Q96RW7	Hemicentin-1 HMCN1	4992860.5	5515238.5	5621467.5	47601024
Q96S86	Hyaluronan a HAPLN3	33984.1953	24432.2578	22454.0273	142351.141
Q99715	Collagen alpt COL12A1	502278.25	513288.906	441786.719	9335523
Q9BY76	Angiopoietin ANGPTL4	0	0	0	119535.891
Q9H583	HEAT repeat HEATR1	4390.54199	53665.8398	50483.2148	460353.094
Q9HDC9	Adipocyte pl APMAP	484776.219	330592.344	395224.125	5043623
Q9NPH3	Interleukin-1 IL1RAP	113159.141	101727.547	102769.484	534726.75
Q9NR30	Nucleolar RN DDX21	365492	24963.5703	22579.459	59828184
Q9NRN5	Olfactomedir OLFML3	38871.8477	36688.125	60010.4297	246114.219
Q9NZP8	Complement C1RL	0	0	0	56888.9102
Q9UGM3	Deleted in m DMBT1	242831.969	266193.25	358692.156	1620548.38
Q9UHI8	A disintegrin ADAMTS1	0	0	0	211929.641
Q9Y2X7	ARF GTPase- GIT1	0	0	0	832881.313
Q9Y4K0	Lysyl oxidase LOXL2	70471.3359	64553.1445	61964.6797	642683.063

Osteoblast2	Osteoblast3	SaOS2.vs.Ost	SaOS2.vs.Ost	SaOS2.vs.Ost	SaOS2.vs.Osteoblast	UP.DC
58613.5156	111480.609	#NAME?	0	#NAME?	down	
1379340.38	784346.125	0.12296843	0.0321986	-3.0236402	down	
219409.109	167949.781	0.12343879	0.00660586	-3.0181323	down	
495080.781	812536.875	0.06224766	0.02379237	-4.0058367	down	
0	117005.406	0.21991029	0.01978307	-2.185013	down	
376298.938	244293.531	0.24211821	0.02534748	-2.0462165	down	
137959.359	101226.484	0.18934829	0.0252185	-2.4008857	down	
230224.672	153953.578	0.1152544	0.00176168	-3.1171063	down	
141376.234	212756.797	#NAME?	0	#NAME?	down	
2946819	1880132.25	0.11508316	0.02237139	-3.1192513	down	
344439.469	174962.516	0.10247953	0.0407564	-3.2865923	down	
736076.5	779267.938	#NAME?	0	#NAME?	down	
886658.813	752521.75	#NAME?	0	#NAME?	down	
125599.805	85691.1953	0.11519913	0.01452176	-3.1177983	down	
90307.9766	53028.6133	0.15494469	0.03567037	-2.6901748	down	
3331336.75	1611934.63	0.13215343	0.04683446	-2.9197143	down	
40719696	21346772	0.15762971	0.04348684	-2.6653886	down	
357385.563	371643.969	0.06137056	0.00987981	-4.0263094	down	
60887532	57844964	0.01458803	0.0101001	-6.099071	down	
19684960	9763341	0.01771707	0.04223094	-5.8187164	down	
3970310.25	2653301	0.03135202	0.02320497	-4.9952977	down	
470051.938	201699.313	#NAME?	0	#NAME?	down	
1042913.13	1003104	0.17055272	0.02186637	-2.5517103	down	
323055.313	578729.25	0.03016154	0.03712839	-5.051146	down	
209801808	248816992	0.01663778	0.01020397	-5.9093934	down	
8963601	5013635	0.07537165	0.0289872	-3.7298343	down	
1.7245E+10	1.3059E+10	0.03004345	0.01108661	-5.0568055	down	
44400800	23247808	0.1508325	0.04567589	-2.7289808	down	
156423.703	120538.133	#NAME?	0	#NAME?	down	
3458773.5	2642428.5	0.15805269	0.00054997	-2.6615225	down	
514798.438	711335.188	0.1531176	0.0201542	-2.707288	down	
137147.281	129039.406	0.1107548	0.01136229	-3.1745588	down	
1257456.88	741959.188	0.1768028	0.04351233	-2.4997869	down	
3739384.75	2250638.5	0.00183829	0.01968585	-9.0874173	down	
593040.25	466689.313	#NAME?	0	#NAME?	down	
2862269.75	2648153.5	0.1290525	0.00041906	-2.95397	down	
1952741.88	1097827.75	0.19512115	0.03925133	-2.3575579	down	
469718.531	506453.875	0.05896832	7.17E-06	-4.0839161	down	
2781882.75	2407803.25	#NAME?	0	#NAME?	down	
300181.25	193927.344	0.22922129	0.0374733	-2.125187	down	
268427.5	225307.016	0.09501761	0.02803219	-3.3956612	down	
1898861.75	1111659.38	0.08940648	0.03364679	-3.4834769	down	
142124016	148553600	0.01235073	0.00407239	-6.3392602	down	
22820206	22035850	0.00581287	0.01018394	-7.4265348	down	
7582942.5	4855408.5	0.00812576	0.02538812	-6.9432816	down	
344188.5	247076.078	#NAME?	0	#NAME?	down	
229149.25	99816.6328	#NAME?	0	#NAME?	down	
7623940	2650092.5	#NAME?	0	#NAME?	down	
95045.6719	44908.2344	#NAME?	0	#NAME?	down	
0	107956.109	0.18245621	0.02830855	-2.4543778	down	
710033.25	623048.25	#NAME?	0	#NAME?	down	
1844315.75	669054.625	#NAME?	0	#NAME?	down	
1185000.25	722636.875	0.11111239	0.03264933	-3.1699084	down	

403580.5	348016.406	0.1772709	0.00015284	-2.4959723	down
37608784	19312486	0.0610379	0.03850505	-4.034151	down
12491387	14542009	0.00761071	0.02557643	-7.037753	down
12983499	16302902	0.00647568	0.03128751	-7.2707515	down
585858.625	315098.688	0.18928718	0.04694547	-2.4013514	down
1076180.75	594139.25	0.07835652	0.04012529	-3.6738029	down
1354347.75	984418.438	0.07946983	0.03756142	-3.6534489	down
648320.563	522338.594	0.0555022	0.00806265	-4.1713111	down
1273004	1964007.5	0.01126641	0.01857902	-6.4718286	down
1632740.25	798135	0.08995292	0.04655269	-3.474686	down
42908024	26339244	0.16448314	0.02621436	-2.6039883	down
392120.063	179692.188	#NAME?	0	#NAME?	down
180220.125	61373.7266	#NAME?	0	#NAME?	down
173300.672	92944.5625	0.13321197	0.03665888	-2.9082044	down
987781.375	637353.875	0.11407038	0.0028518	-3.1320039	down
178456.359	164121.281	0.04443061	0.00735747	-4.4923022	down
5281918.5	3169618.5	0.08758738	0.02459079	-3.5131331	down
66399.3594	19241.0449	#NAME?	0	#NAME?	down
21761.6172	15202.7881	#NAME?	0	#NAME?	down
213267.609	96113.125	#NAME?	0	#NAME?	down
5900698	4052881.75	#NAME?	0	#NAME?	down
651340.625	337064.906	0.14710831	0.04297771	-2.7650494	down
360719.281	285588.531	0.12255871	0.00551056	-3.0284551	down
517392.344	254507.641	#NAME?	0	#NAME?	down
420228.906	221371.297	#NAME?	0	#NAME?	down
16182934	18263486	0.01032213	0.01043763	-6.5981158	down
5082329.5	3146594	0.07269744	0.0207087	-3.7819517	down
1080219.13	952070.813	0.14044057	0.02141451	-2.8319684	down
4317927	3845191	0.17731608	0.00025046	-2.4956047	down
9604032	5833403	0.0942794	0.02818937	-3.4069136	down
0	143680.844	0.12469016	0.04872988	-3.0035805	down
425056.75	527137.75	0.03785098	0.02590075	-4.7235254	down
0	124450.023	0.23725038	0.03232914	-2.0755177	down
842766	542616.313	0.12724165	0.04030607	-2.9743571	down
111767.969	47332.2188	#NAME?	0	#NAME?	down
299273.25	269564.688	0.13151475	0.00525868	-2.9267035	down
355019.094	180554.938	0.05179655	0.03742736	-4.2710003	down
335220.813	271303.938	0.0909256	0.00403613	-3.4591696	down
951429	469706.188	0.10035147	0.04349671	-3.3168663	down
843934.438	670002.063	0.12566618	0.02175267	-2.9923317	down
2149925.25	1037208.13	#NAME?	0	#NAME?	down
90245.5313	68393.8359	0.15652811	0.02602379	-2.6755064	down
173293.859	115882.023	0.18978104	0.01965953	-2.3975922	down
120048000	55573584	0.01647185	0.041865	-5.9238534	down
6167389	3656484.5	0.10126661	0.02555355	-3.3037695	down
3298193.5	1831235.13	0.03284707	0.02718563	-4.9280916	down
639771.813	355573.375	0.11364227	0.03427189	-3.1374285	down
317998	344779.469	#NAME?	0	#NAME?	down
0	57685.1953	0.14121739	0.00013615	-2.8240103	down
228566.422	229654.219	0.22852237	2.85E-08	-2.1295927	down
0	1048417.69	0.09378205	0.0079805	-3.4145444	down
226232.016	231670.672	0.09892553	0.00891839	-3.3375134	down
382887.531	446307.969	#NAME?	0	#NAME?	down
804876	841241	0.0708536	4.73E-06	-3.8190151	down

551262.313	152547.703	#NAME?	0	#NAME?	down
2226877	1816469.13	0.08220946	0.01100049	-3.6045518	down
5408421.5	4506807	0.05563561	0.0054033	-4.1678477	down
0	129490.273	0.24570621	0.00779622	-2.0249937	down
4577376.5	4117508	0.03680931	0.01187071	-4.7637854	down
1688006.75	859752.188	0.00507747	0.03629984	-7.6216742	down
400325.938	458215.656	0.10054892	2.84E-05	-3.3140305	down
256405.719	324061.625	#NAME?	0	#NAME?	down
140415.484	80642.9609	0.10702048	0.03848857	-3.2240412	down
1155577	600363.438	#NAME?	0	#NAME?	down
0	42562.8906	0.16824791	0.04138086	-2.5713395	down
674871.125	286240.625	#NAME?	0	#NAME?	down
511132.063	318346.531	0.1184422	0.00297561	-3.0777449	down
131896416	80323176	0.00755633	0.01981688	-7.0480992	down
4733292.5	2830150	0.01098319	0.02079925	-6.5085596	down
473071.188	380172.438	#NAME?	0	#NAME?	down
209887.266	114285.336	0.24470693	0.04571983	-2.0308731	down
166226.922	168581.281	0.19255978	0.00125154	-2.3766217	down
237493.656	176406.422	#NAME?	0	#NAME?	down
71649.6328	60882.4063	0.10085743	0.02187491	-3.3096108	down
727557.625	332782.344	0.22956139	0.02546406	-2.1230481	down
30410.8809	32111.2832	0.24299202	0.02039364	-2.0410191	down
116685.523	141083.766	0.15588625	0.00025729	-2.6814344	down
253904.859	260935.5	0.23383844	0.00141017	-2.096416	down
585295.25	794003.813	#NAME?	0	#NAME?	down
65044392	31404530	0.11197204	0.0481202	-3.1587895	down
0	184007.141	0.16519775	0.00352232	-2.5977341	down
8199788.5	12020047	0.04930929	0.0142834	-4.3419966	down
91896.0469	168165.859	#NAME?	0	#NAME?	down
0	492470.031	0.07594246	0.00034419	-3.7189495	down
4710811.5	3572823.5	0.09083584	0.01132117	-3.4605945	down
630523.438	404219.031	0.2023972	0.02353352	-2.3047388	down
63204688	35631700	0.0026032	0.02602476	-8.5855002	down
344209.406	317987.031	0.14925555	0.00104354	-2.7441436	down
66546.8359	50780.082	#NAME?	0	#NAME?	down
1058127.5	1228339	0.22209216	0.00400052	-2.1707696	down
79440.0859	195729.953	#NAME?	0	#NAME?	down
749694.75	1166966.38	#NAME?	0	#NAME?	down
872959.563	732888.188	0.08760794	0.00938452	-3.5127945	down

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