Supplementary Table 5. Core enrichment genes in GSEA enrichment pathway "POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION(GO_0045669)"

Name	Probe	Description < br > (from dataset)	Gene symbol	Gene_ TITLE	Rank in gene list	Rank metric score	Running ES	Core enrichment
row_0	ENSRNOG00000054352	Atp6ap1	Null	Null	90	0.820391	0.064417	Yes
row_1	ENSRNOG00000054172	Ctnnb1	Null	Null	376	0.650757	0.111701	Yes
row_2	ENSRNOG00000026542	Suco	Null	Null	688	0.585756	0.153289	Yes
row_3	ENSRNOG00000018355	Msx2	Null	Null	1646	0.496167	0.176132	Yes
row_4	ENSRNOG00000019568	Jund	Null	Null	1854	0.481511	0.211188	Yes
row_5	ENSRNOG00000050869	Cebpd	Null	Null	2370	0.452015	0.23837	Yes
row_6	ENSRNOG00000027988	Zhx3	Null	Null	3074	0.429116	0.260353	Yes
row_7	ENSRNOG00000010918	Cebpa	Null	Null	3837	0.401443	0.279055	Yes
row_8	ENSRNOG00000014350	Ccn1	Null	Null	4027	0.395573	0.307515	Yes
row_9	ENSRNOG00000018483	Smad1	Null	Null	4783	0.371597	0.32394	Yes
row_10	ENSRNOG00000033608	Cd276	Null	Null	4913	0.367545	0.351217	Yes
row_11	ENSRNOG00000005033	Acvr1	Null	Null	5099	0.362528	0.377089	Yes
row_12	ENSRNOG00000061238	Wnt10b	Null	Null	5167	0.360438	0.404901	Yes
row_13	ENSRNOG00000022870	Smad5	Null	Null	5275	0.357185	0.431736	Yes
row_14	ENSRNOG00000013166	Wnt4	Null	Null	5656	0.347378	0.452908	Yes
row_15	ENSRNOG00000009465	Sfrp2	Null	Null	6999	0.315437	0.454332	Yes
row_16	ENSRNOG00000001314	Fam20c	Null	Null	8710	0.297937	0.447777	Yes
row_17	ENSRNOG00000006326	Atraid	Null	Null	9613	0.278779	0.454107	Yes
row_18	ENSRNOG00000030034	Sox11	Null	Null	10640	0.257698	0.456527	Yes
row_19	ENSRNOG00000009694	Bmp4	Null	Null	10844	0.253617	0.473313	Yes
row_20	ENSRNOG00000053384	Bmp7	Null	Null	11992	0.229863	0.471333	Yes
row_21	ENSRNOG00000021276	Bmp2	Null	Null	13593	0.199955	0.458857	Yes
row_22	ENSRNOG00000052469	Bmpr1a	Null	Null	14237	0.188629	0.462556	Yes
row_23	ENSRNOG00000017392	Fgf2	Null	Null	15412	0.166478	0.454992	Yes
row_24	ENSRNOG00000001924	Tp63	Null	Null	15553	0.163697	0.465667	Yes
row_25	ENSRNOG00000018993	Ilk	Null	Null	15625	0.162333	0.477463	Yes
row_26	ENSRNOG00000007443	Jag1	Null	Null	16459	0.148249	0.474521	No
row_27	ENSRNOG00000016313	Ctnnbip1	Null	Null	17828	0.124438	0.46011	No
row_28	ENSRNOG00000031779	Ltf	Null	Null	17956	0.122056	0.467665	No
row_29	ENSRNOG00000004578	Cthrc1	Null	Null	18789	0.107928	0.461495	No
row_30	ENSRNOG00000029682	Clic1	Null	Null	18889	0.106	0.468258	No
row_31	ENSRNOG00000014395	Gli3	Null	Null	19674	0.093474	0.461783	No
row_32	ENSRNOG00000014477	Acvr2b	Null	Null	20077	0.086911	0.461599	No
row_33	ENSRNOG00000022196	Bmpr2	Null	Null	22759	0.040035	0.416952	No
row_34	ENSRNOG00000013653	Pdlim7	Null	Null	23936	0.019197	0.397499	No
row_35	ENSRNOG00000002800	Gdpd2	Null	Null	24783	0.005115	0.382805	No
row_36	ENSRNOG00000052873	Npnt	Null	Null	24789	0.004995	0.383118	No
row_37	ENSRNOG00000043219	Fbn2	Null	Null	24884	0.00366	0.381734	No
row_38	ENSRNOG00000000700	Tmem119	Null	Null	24919	0.00306	0.381373	No

(*Continued*)

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Supplementary Table 5. Core enrichment genes in GSEA enrichment pathway "POSITIVE_REGULATION_OF_OSTEOBLAST_DIFFERENTIATION(GO_0045669)" (Continued)

Name	Probe	Description < br > (from dataset)	Gene symbol	Gene_ TITLE	Rank in gene list	Rank metric score	Running ES	Core enrichment
row_39	ENSRNOG00000004165	Prkd1	Null	Null	26046	-0.01547	0.362513	No
row_40	ENSRNOG00000005334	Acvr2a	Null	Null	26288	-0.01967	0.359793	No
row_41	ENSRNOG00000018854	Nppc	Null	Null	26606	-0.02418	0.35608	No
row_42	ENSRNOG00000002881	Ddr2	Null	Null	27129	-0.03322	0.349432	No
row_43	ENSRNOG00000013717	Bmp6	Null	Null	29812	-0.07907	0.307908	No
row_44	ENSRNOG00000033134	Mef2c	Null	Null	29895	-0.08045	0.312919	No
row_45	ENSRNOG00000020193	Runx2	Null	Null	33947	-0.15073	0.252718	No
row_46	ENSRNOG00000024077	Fbxo5	Null	Null	34263	-0.15604	0.259651	No
row_47	ENSRNOG00000013963	Il6st	Null	Null	36667	-0.19908	0.232767	No
row_48	ENSRNOG00000004517	Igf1	Null	Null	37487	-0.21452	0.235408	No
row_49	ENSRNOG00000016289	Bmpr1b	Null	Null	40926	-0.27658	0.19628	No
row_50	ENSRNOG00000015911	Lrp5	Null	Null	40939	-0.2769	0.218351	No
row_51	ENSRNOG00000007078	Ccn4	Null	Null	41909	-0.29554	0.224834	No
row_52	ENSRNOG00000057347	Cebpb	Null	Null	44976	-0.34521	0.197872	No