

Supplementary material

Table i. Top seven transcription factors (TFs) covering the most downstream genes in osteoporosis

TF	Count	Genes
FOXD3	18	ALKBH1, BICD2, DPP8, FCGR2A, HIRA, IER2, METTL4, NBEAL2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, RPL35A, SAP130, SH3GLB2, TBCA, VPS35
Nkx2-5	18	ALKBH1, BICD2, DPP8, FCGR2A, HIRA, IER2, METTL4, NBEAL2, NFKB2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, SAP130, SH3GLB2, TBCA, VPS35
Pax-4	18	ALKBH1, BICD2, DPP8, HIRA, IER2, METTL4, NBEAL2, NFKB2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, RPL35A, SAP130, SH3GLB2, TBCA, VPS35
Oct-1	17	ALKBH1, BICD2, DPP8, FCGR2A, HIRA, IER2, METTL4, NBEAL2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, RPL35A, SAP130, TBCA, VPS35
HNF-4	17	ALKBH1, BICD2, DPP8, FCGR2A, HIRA, METTL4, NBEAL2, NFKB2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, RPL35A, SAP130, TBCA, VPS35
Pax-6	17	ALKBH1, BICD2, DPP8, HIRA, IER2, METTL4, NBEAL2, NFKB2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, SAP130, SH3GLB2, TBCA, VPS35
COMP1	16	ALKBH1, BICD2, DPP8, FCGR2A, HIRA, METTL4, NBEAL2, NIF3L1, NIT2, PAF1, PHF20, POGLUT1, RPL35A, SAP130, TBCA, VPS35

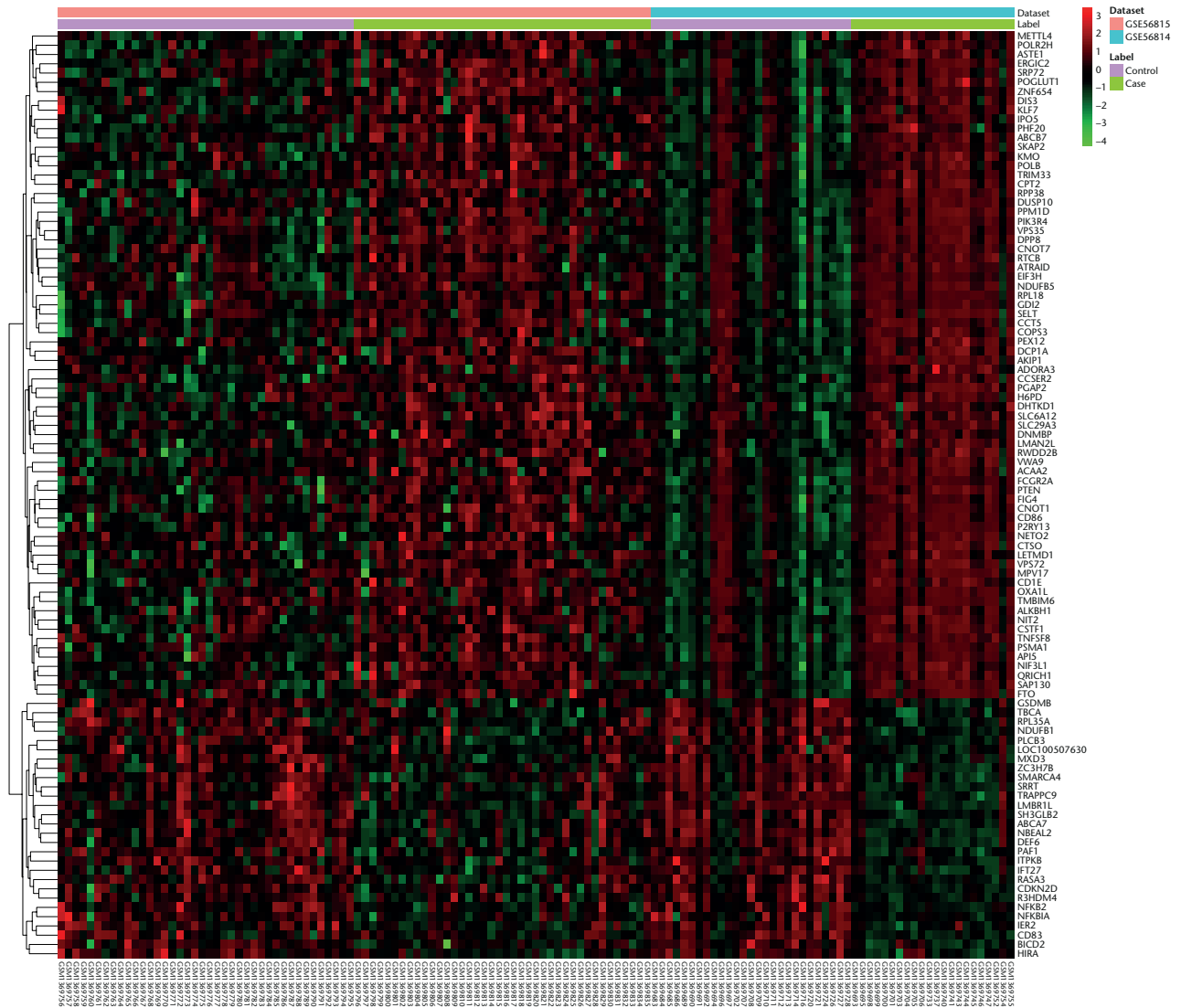


Fig. i

Heat map image displays top 100 differentially expressed genes (DEGs) in osteoporosis compared with relative control groups.