

SUPPLEMENTARY TABLES

Supplementary Table 2. The extracted immune-related genes and corresponding coefficients from LASSO regression model in the TARGET cohort.

Gene	Coefficient
STC2	0.141522237
TNFRSF11B	0.098754475
CORT	0.086711381
IL22	0.084649801
GAL	0.069818606
PSMC4	-0.013177704
CD79A	-0.014491145
SEMA3E	-0.017349815
IGLV1-51	-0.021744664
CMTM1	-0.0494132
SSTR1	-0.054281399
TNFRSF21	-0.057043444
TMPRSS6	-0.065932207
FGFRL1	-0.074868654
IGKV1D-33	-0.075750338
IL7	-0.078764237
TRAV9-2	-0.110319916
SDC3	-0.118469971
IL13RA2	-0.125900341
GCG	-0.183788709
PPARG	-0.205915021

Supplementary Table 3. Summary of three osteosarcoma datasets included in this study.

Datasets	Platforms	Sample size
TARGET	Human Exon ST Array (Affymetrix)	85
GSE21257	Illumina human-6 v2.0 expression beadchip	53
TCGA	Illumina RNAseq HTSeq	262
Total		400