

Title Page for Scientific Reports

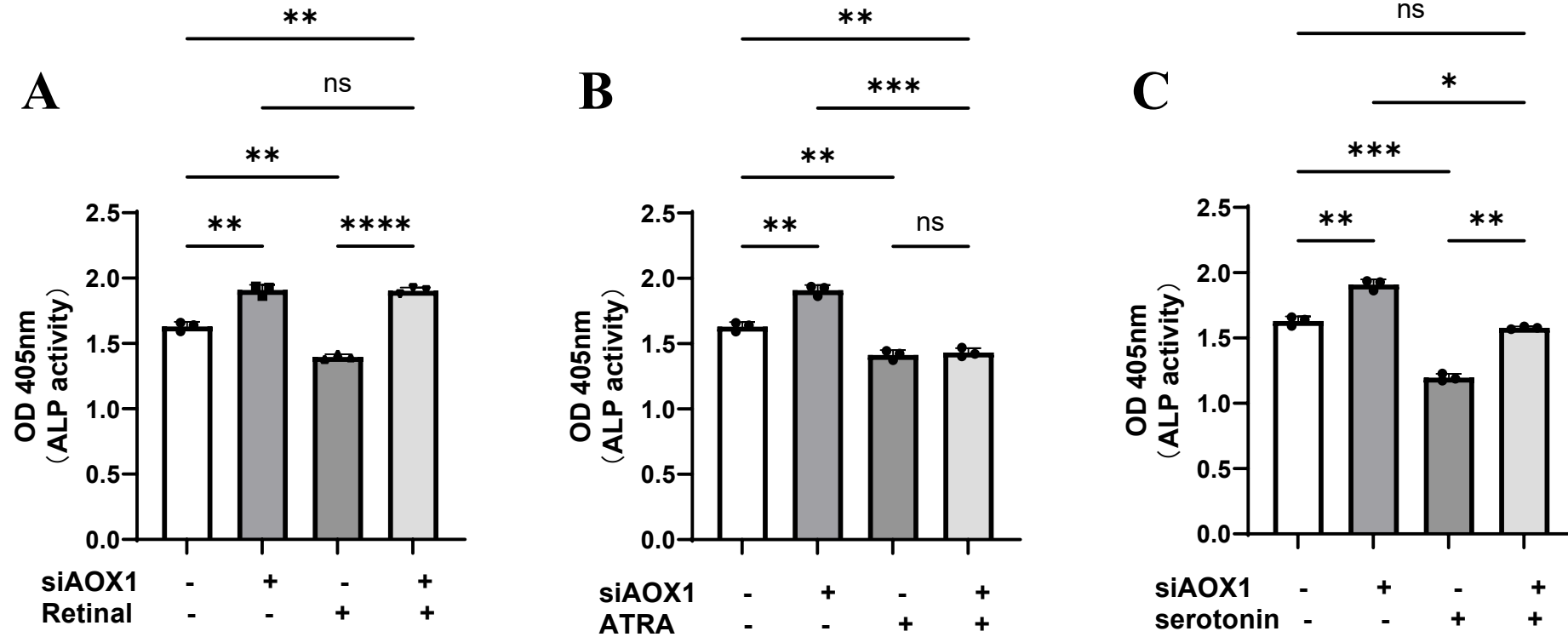
**Role of AOX1 on RXR Signaling Regulates Osteoblastogenesis in
hPDLMSCs**

Type of the Study: Original articles

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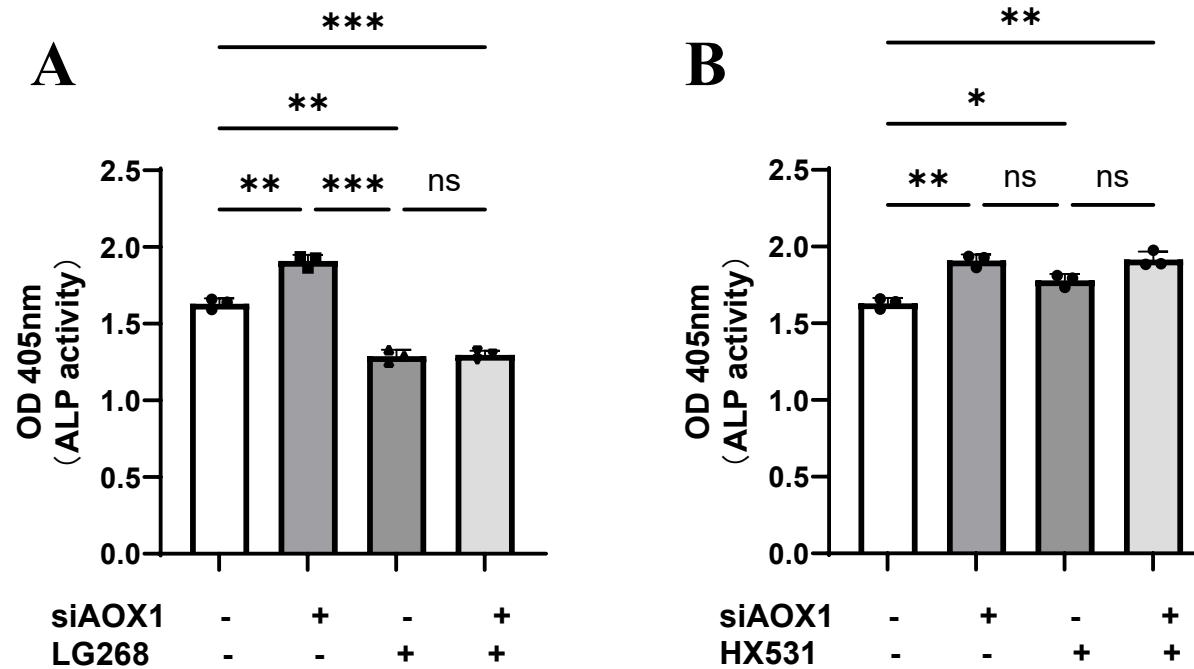
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Supplementary Figure S1

Interaction of retinal, ATRA and serotonin with siRNA of AOX1 on ALP activity of PDLMSCs (with b-glycerophosphate and dexamethasone). Cells were cultivated in basic medium consisting of alpha-minimum essential medium (α -MEM; Thermo Fisher Scientific) supplemented with 10% fetal bovine serum (FBS; Thermo Fisher Scientific), 100 U ml⁻¹ penicillin and 100 μ g ml⁻¹ streptomycin (P/S; Thermo Fisher Scientific). Transfections were done 1 day after seeding. And osteoinduction started 2 days after seeding. *P < 0.05, **P < 0.01, ***P < 0.001, ****P < 0.0001; by Brown-Forsythe and Welch ANOVA test.



Supplementary Figure S2

RXR ligands' cross reaction with siRNA of AOX1 on ALP activity of PDLMSCs (with b-glycerophosphate and dexamethasone). Cells were cultivated in basic medium consisting of alpha-minimum essential medium (α -MEM; Thermo Fisher Scientific) supplemented with 10% fetal bovine serum (FBS; Thermo Fisher Scientific), 100 U ml⁻¹ penicillin and 100 μ g ml⁻¹ streptomycin (P/S; Thermo Fisher Scientific). Transfections were done 1 day after seeding. And osteoinduction started 2 days after seeding. *P < 0.05, **P < 0.01, ***P < 0.001, ****P < 0.0001; by Brown-Forsythe and Welch ANOVA test.