

Materials List for

Using Inducible Osteoblastic Lineage-Specific *Stat3* Knockout Mice to Study Alveolar Bone Remodeling During Orthodontic Tooth Movement

Yuanqi Liu^{*1,2,3,4,5}, Siyuan Sun^{*1,2,3,4,5}, Ziyi Jiang^{*6}, Xinyi Gong^{1,2,3,4,5}, Yiling Yang^{1,2,3,4,5}, Yanfei Zhu^{1,2,3,4,5}, Hongyuan Xu^{1,2,3,4,5}, Anting Jin^{1,2,3,4,5}, Xiangru Huang^{1,2,3,4,5}, Xin Gao^{1,2,3,4,5}, Tingwei Lu^{1,2,3,4,5}, Jingyi Liu^{1,2,3,4,5}, Xinyu Wang^{1,2,3,4,5}, Qinggang Dai^{2,3,4,5,7}, Lingyong Jiang^{1,2,3,4,5}

¹Center of Craniofacial Orthodontics, Department of Oral and Cranio-maxillofacial Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine

²College of Stomatology, Shanghai Jiao Tong University

³National Center for Stomatology

⁴National Clinical Research Center for Oral Diseases

⁵Shanghai Key Laboratory of Stomatology

⁶Shanghai Starriver Bilingual School

⁷The 2nd Dental Center, Ninth People's Hospital, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine

* These authors contributed equally

Correspondence to: Qinggang Dai at daiqinggang@126.com, Lingyong Jiang at jianglingyong@sjtu.edu.cn

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Materials

Name	Company	Catalog Number	Comments
1x PBS	Beijing Solarbio Science & Technology Co.,Ltd.	P1020	
4% paraformaldehyde	Wuhan Servicebio Technology Co., Ltd.	G1101	
Alizarin red	Sigma-Aldrich	A5533	
Anti-CTSK antibody	Santa Cruz	sc-48353	
Anti-OPN antibody	R&D Systems, Minneapolis, MN, USA	AF808	
Calcein	Sigma-Aldrich	C0875	
Closed-coil springs	Innovative Material and Devices, Shanghai, China	CS1006B	
<i>Col1a2</i> ^{CreERT2} mice			A gift from Bin Zhou, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences.
Dexmedetomidine hydrochloride	Oriontie Corporation, Orion Pharma Espoo site		
EDTA	Beyotime Biotechnolgy	ST069	
Embedding tanks	Citotest Labware Manufacturing Co., Ltd	80106-1100-16	
Ethanol	Sinopharm Chemical Reagent Co., Ltd.	100092183	
ImageJ software	NIH, Bethesda, MD, USA		
Mounting medium with DAPI	Beyotime Biotechnolgy	P0131	
Mouse dissection platform	Shanghai Huake Experimental Devices and Materials Co., Ltd.	HK105	
Paraffin	Sangon biotech Co., Ltd.	A601889	
Primers for genotyping			Stat3 F- TTGACCTGTGCTCCTACAAAAA; Stat3 R- CCCTAGATTAGGCCAGCACA; Cre F- CGATGCAACGAGTGATGAGG;

			Cre R-CGCATA ACCAGTGAACAGC
Protease K	Sigma-Aldrich	539480	
Self-curing restorative resin	3M ESPE, St. Paul, MN, USA	712-035	
<i>Stat3^{fl/fl}</i> mice	GemPharmatech Co., Ltd	D000527	
Tamoxifen	Sigma-Aldrich	T5648	
TRAP staining kit	Sigma-Aldrich	387A	
Tris-HCl	Beyotime Biotechnanology	ST780	
Universal tissue fixative	Wuhan Servicebio Technology Co., Ltd.	G1105	
Xylene	Sinopharm Chemical Reagent Co., Ltd.	10023418	
Zoletil	VIRBAC		