

## Supplementary Material

**Table 1. Intra- and interrater reliability of the different workflows.** Results are summarized for the canines, front teeth, molars, and premolars. ICC = intraclass correlation coefficient (two-way mixed, absolute agreement).

Workflow	Measurement	ICC intra	ICC inter
Micro-CT	molars m/d	0.950	0.972
	molars lab/ling	0.899	0.879
	molars occl/ging	0.953	0.963
	molars torque	0.882	0.867
	molars angulation	0.969	0.972
	premolars m/d	0.954	0.964
	premolars lab/ling	0.974	0.976
	premolars occl/ging	0.917	0.928
	premolars torque	0.846	0.917
	premolars angulation	0.965	0.919
	canines m/d	0.942	0.952
	canines lab/ling	0.804	0.818
	canines occl/ging	0.910	0.950
	canines torque	0.918	0.893
	canines angulation	0.980	0.919
	incisors m/d	0.898	0.919
	incisors lab/ling	0.804	0.853
	incisors occl/ging	0.908	0.957
	incisors torque	0.880	0.912
	incisors angulation	0.970	0.971
Workflow	Measurement	ICC intra	ICC inter
Introral scan	molars max	0.855	0.747
	molars min	0.757	0.676
	molars mean	0.873	0.922
	molars sd	0.970	0.975
	premolars max	0.648	0.622
	premolars min	0.798	0.642
	premolars mean	0.840	0.783
	premolars sd	0.979	0.951
	canines max	0.622	0.654
	canines min	0.914	0.810
	canines mean	0.911	0.790
	canines sd	0.974	0.958
	incisors max	0.380	0.388
	incisors min	0.379	0.811
	incisors mean	-0.073	0.855
	incisors sd	-0.037	0.972