

Supplementary file 1: P values for elastic stiffness and peak load values of S3 plate configuration groups, obtained from their pairwise comparison statistical analysis.

	Peak Load (F ₅)			Stiffness (K)		
Direction/Zone	S1	S2	S3	S1	S2	S3
Extension						
S0	0.730	<0.001	<0.001	0.356	<0.001	<0.001
S1		<0.001	<0.001		<0.001	<0.001
S2			<0.001			<0.001
Flexion						
S0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
S1		<0.001	<0.001		<0.001	<0.001
S2			<0.001			<0.001
Valgus						
S0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
S1		<0.001	<0.001		<0.001	<0.001
S2			<0.001			<0.001
Varus						
S0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
S1		<0.001	<0.001		<0.001	<0.001
S2			<0.001			<0.001