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Distal-First Release Data Table													
ID	Percent Release	60° Pronation			Neutral			60° Supination			Flexion		
		Average (mm)	±	Stdev.	Average (mm)	±	Stdev.	Average (mm)	±	Stdev.	Average (N/N)	±	Stdev.
Specimen 1	Native	9.6	±	0.4	10.7	±	0.2	9.0	±	0.3	0.2	±	5.9E-04
	25%	9.0	±	0.1	8.8	±	0.2	7.3	±	0.4	0.2	±	8.6E-04
	50%	9.1	±	0.1	6.4	±	0.2	1.6	±	0.0	0.2	±	5.1E-03
	75%	4.9	±	0.2	8.5	±	0.4	3.8	±	0.3	0.2	±	3.3E-03
Specimen 2	Native	10.3	±	0.0	7.0	±	0.0	5.4	±	0.0	0.2	±	6.8E-03
	25%	9.4	±	0.1	8.1	±	0.1	5.7	±	0.0	0.2	±	2.8E-03
	50%	8.3	±	0.1	6.0	±	0.1	5.7	±	0.2	0.2	±	2.5E-03
	75%	7.3	±	0.6	6.7	±	0.1	3.0	±	0.7	0.2	±	8.6E-04
Specimen 3	Native	11.0	±	0.1	12.4	±	0.1	5.2	±	0.1	0.2	±	2.0E-03
	25%	9.2	±	0.1	12.1	±	0.1	4.4	±	0.8	0.2	±	1.6E-03
	50%	8.3	±	0.6	11.2	±	0.6	5.4	±	0.1	0.2	±	2.2E-03
	75%	8.2	±	0.4	10.8	±	0.1	3.8	±	0.0	0.2	±	7.6E-03
Specimen 4	Native	10.2	±	0.4	7.7	±	0.3	5.3	±	0.2	0.2	±	2.9E-03
	25%	8.3	±	0.2	8.2	±	0.2	4.8	±	0.2	0.2	±	2.7E-03
	50%	9.0	±	0.1	8.2	±	0.2	4.2	±	0.3	0.2	±	1.4E-03
	75%	6.9	±	0.1	7.6	±	0.0	4.4	±	0.2	0.2	±	1.1E-03
Specimen 5	Native	9.6	±	0.1	11.4	±	0.2	7.7	±	0.3	0.2	±	3.0E-03
	25%	8.7	±	0.1	10.6	±	0.2	6.4	±	0.6	0.2	±	9.6E-04
	50%	8.2	±	0.1	10.0	±	0.2	7.8	±	0.4	0.2	±	2.6E-03
	75%	9.3	±	0.1	9.3	±	0.1	6.8	±	0.2	0.2	±	1.6E-03
Specimen 6	Native	10.0	±	0.2	10.6	±	0.4	5.5	±	0.6	0.2	±	1.7E-03
	25%	7.3	±	0.1	11.0	±	0.2	6.5	±	0.3	0.2	±	2.0E-03
	50%	7.1	±	0.1	10.8	±	0.2	4.2	±	0.1	0.2	±	3.3E-03
	75%	6.7	±	0.3	10.8	±	0.6	4.3	±	0.3	0.2	±	2.1E-03
Specimen 7	Native	12.6	±	0.6	8.5	±	0.2	3.7	±	0.1	0.2	±	4.3E-03
	25%	14.0	±	1.0	8.7	±	0.3	3.0	±	0.1	0.2	±	2.5E-03
	50%	13.8	±	0.2	8.1	±	0.0	3.8	±	0.2	0.2	±	3.1E-03
	75%	11.1	±	0.1	7.4	±	0.0	2.6	±	0.0	0.2	±	9.5E-04
Specimen 8	Native	12.3	±	0.3	15.3	±	0.0	6.1	±	0.0	0.2	±	2.6E-03
	25%	10.8	±	1.0	14.3	±	0.0	5.8	±	0.4	0.2	±	1.8E-02
	50%	10.8	±	0.0	14.1	±	0.1	6.2	±	0.2	0.2	±	4.6E-03
	75%	10.1	±	0.1	13.9	±	0.2	4.9	±	0.1	0.2	±	5.5E-04
Specimen 9	Native	7.4	±	0.1	9.9	±	0.1	8.7	±	0.1	0.2	±	5.5E-04
	25%	6.6	±	0.5	9.3	±	0.2	8.9	±	0.1	0.2	±	5.0E-03
	50%	7.2	±	0.1	9.5	±	0.1	7.2	±	0.3	0.2	±	5.6E-03
	75%	6.0	±	0.1	9.0	±	0.1	6.2	±	0.3	0.2	±	2.6E-03

Proximal-First Release Data Table													
ID	Percent Release	60° Pronation			Neutral			60° Supination			Flexion		
		Average (mm)	±	Stdev.	Average (mm)	±	Stdev.	Average (mm)	±	Stdev.	Average (N/N)	±	Stdev.
Specimen 10	Native	8.2	±	0.1	8.9	±	0.5	1.9	±	0.2	0.2	±	8.7E-03
	25%	9.0	±	0.1	10.1	±	0.2	5.0	±	0.1	0.2	±	3.0E-03
	50%	10.0	±	0.3	9.4	±	0.4	2.4	±	0.1	0.2	±	6.1E-03
	75%	10.9	±	0.1	9.1	±	0.1	2.7	±	0.1	0.2	±	2.4E-03
Specimen 11	Native	12.8	±	0.2	10.7	±	0.4	4.9	±	0.1	0.2	±	3.4E-03
	25%	14.0	±	1.0	13.0	±	0.5	3.6	±	0.1	0.2	±	6.3E-03
	50%	10.8	±	0.0	10.6	±	0.3	2.0	±	0.0	0.2	±	3.2E-03
	75%	13.8	±	0.1	12.1	±	0.3	2.1	±	0.1	0.2	±	3.0E-03
Specimen 12	Native	7.9	±	0.7	9.4	±	0.1	3.5	±	0.2	0.2	±	8.3E-03
	25%	9.0	±	0.2	9.7	±	0.1	2.9	±	0.2	0.2	±	2.5E-03
	50%	9.5	±	0.2	9.5	±	0.3	2.2	±	0.1	0.2	±	7.1E-03
	75%	8.0	±	1.0	8.9	±	0.0	2.0	±	0.1	0.2	±	8.4E-03
Specimen 13	Native	9.5	±	0.2	8.9	±	0.6	6.9	±	0.2	0.2	±	4.3E-03
	25%	8.2	±	0.7	8.7	±	0.1	7.2	±	0.3	0.2	±	7.8E-03
	50%	7.2	±	0.6	7.7	±	0.5	6.2	±	0.1	0.2	±	1.8E-03
	75%	6.2	±	0.1	6.9	±	1.2	6.5	±	0.0	0.2	±	4.7E-03
Specimen 14	Native	10.0	±	0.9	8.6	±	0.3	3.7	±	0.1	0.2	±	2.9E-03
	25%	9.4	±	0.1	7.4	±	0.0	5.4	±	0.1	0.2	±	7.1E-04
	50%	6.3	±	0.2	9.0	±	0.2	3.0	±	0.0	0.2	±	6.1E-03
	75%	10.8	±	0.5	5.6	±	1.2	2.4	±	0.2	0.2	±	1.9E-03
Specimen 15	Native	7.8	±	0.2	10.1	±	0.5	6.0	±	0.0	0.2	±	1.4E-03
	25%	5.2	±	0.0	7.7	±	0.1	3.4	±	0.2	0.2	±	4.4E-03
	50%	7.3	±	0.1	8.7	±	0.2	2.4	±	0.1	0.2	±	2.4E-03
	75%	7.9	±	0.1	9.8	±	0.1	4.6	±	0.5	0.2	±	2.2E-03
Specimen 16	Native	7.6	±	0.2	10.3	±	0.1	6.3	±	0.2	0.2	±	5.2E-03
	25%	7.8	±	0.2	10.7	±	0.0	5.9	±	0.1	0.2	±	4.9E-03
	50%	6.9	±	0.7	9.9	±	0.3	2.3	±	0.1	0.2	±	2.3E-02
	75%	7.7	±	0.2	10.5	±	0.0	2.6	±	0.0	0.2	±	8.3E-04
Specimen 17	Native	11.8	±	0.6	9.2	±	0.1	8.4	±	0.0	0.2	±	2.6E-03
	25%	9.8	±	0.4	9.1	±	0.6	7.3	±	0.1	0.2	±	1.1E-02
	50%	7.6	±	0.7	8.3	±	0.6	6.4	±	0.0	0.2	±	8.7E-03
	75%	9.4	±	0.5	8.3	±	0.3	3.4	±	0.4	0.2	±	2.2E-03

P-values Comparing Native Moment Arms in Neutral Position with Previous Work			
	Reference 24	Reference 25	Reference 26
Distal-First Data Set	0.421	0.469	0.908
Proximal-First Data Set	0.999	0.887	0.131