

	Combination Treatment		BP Band TbN (1/mm)	BP Band TbTh (mm)	BP Band BV/TV
HET	0 mg/kg PAM	PBS	1.905 ± 0.746	0.035 ± 0.005	0.065 ± 0.027
		ScIAb	3.143 ± 1.133	0.049 ± 0.004	0.156 ± 0.061
	0.3 mg/kg PAM	PBS	3.297 ± 1.796	0.035 ± 0.006	0.121 ± 0.083
		ScIAb	4.017 ± 1.409	0.047 ± 0.009	0.198 ± 0.091
	0.625 mg/kg PAM	PBS	4.648 ± 1.471	0.038 ± 0.006	0.182 ± 0.080
		ScIAb	5.176 ± 1.023	0.051 ± 0.007	0.263 ± 0.069
WT	0 mg/kg PAM	PBS	3.343 ± 0.574	0.037 ± 0.003	0.124 ± 0.025
		ScIAb	5.272 ± 1.349	0.059 ± 0.007	0.316 ± 0.109
	0.3 mg/kg PAM	PBS	5.677 ± 1.446	0.042 ± 0.005	0.244 ± 0.080
		ScIAb	6.077 ± 1.143	0.065 ± 0.014	0.411 ± 0.163
	0.625 mg/kg PAM	PBS	6.225 ± 1.675	0.042 ± 0.003	0.261 ± 0.080
		ScIAb	6.435 ± 0.767	0.068 ± 0.012	0.443 ± 0.130

	Combination Treatment		Full Cycle TbN (1/mm)	Full Cycle TbTh (mm)	Full Cycle BV/TV	Cycle 1 TbN (1/mm)	Cycle 1 TbTh (mm)	Cycle 1 BV/TV	Cycle 2 TbN (1/mm)	Cycle 2 TbTh (mm)	Cycle 2 BV/TV
HET	0 mg/kg PAM	PBS	2.929 ± 0.753	0.036 ± 0.004	0.107 ± 0.039	1.549 ± 0.691	0.032 ± 0.005	0.052 ± 0.030	3.978 ± 0.922	0.037 ± 0.003	0.150 ± 0.044
		SclAb	4.057 ± 0.812	0.048 ± 0.007	0.197 ± 0.064	2.511 ± 0.990	0.046 ± 0.007	0.120 ± 0.061	4.898 ± 0.963	0.047 ± 0.005	0.233 ± 0.063
	0.3 mg/kg PAM	PBS	3.813 ± 0.856	0.039 ± 0.008	0.156 ± 0.071	2.077 ± 0.796	0.036 ± 0.006	0.077 ± 0.040	4.966 ± 1.032	0.041 ± 0.008	0.208 ± 0.087
		SclAb	4.612 ± 0.516	0.049 ± 0.004	0.229 ± 0.045	3.220 ± 0.853	0.050 ± 0.006	0.164 ± 0.063	5.626 ± 0.517	0.048 ± 0.003	0.273 ± 0.036
	0.625 mg/kg PAM	PBS	4.329 ± 0.863	0.038 ± 0.005	0.168 ± 0.053	2.804 ± 0.784	0.035 ± 0.006	0.101 ± 0.044	5.381 ± 1.124	0.039 ± 0.004	0.214 ± 0.061
		SclAb	5.186 ± 0.674	0.050 ± 0.006	0.262 ± 0.057	3.877 ± 1.037	0.052 ± 0.006	0.207 ± 0.081	6.211 ± 0.499	0.049 ± 0.004	0.304 ± 0.043
WT	0 mg/kg PAM	PBS	4.318 ± 1.131	0.043 ± 0.006	0.189 ± 0.067	2.831 ± 1.161	0.039 ± 0.006	0.114 ± 0.056	5.576 ± 1.127	0.043 ± 0.005	0.245 ± 0.070
		SclAb	5.073 ± 0.636	0.058 ± 0.008	0.297 ± 0.072	3.946 ± .853	0.058 ± 0.011	0.235 ± 0.084	6.112 ± 0.581	0.055 ± 0.006	0.341 ± 0.060
	0.3 mg/kg PAM	PBS	4.557 ± 0.624	0.040 ± 0.004	0.184 ± 0.042	3.264 ± 0.682	0.037 ± 0.004	0.125 ± 0.041	5.556 ± 0.571	0.041 ± 0.003	0.231 ± 0.042
		SclAb	5.544 ± 0.893	0.055 ± 0.007	0.312 ± 0.083	4.545 ± 1.227	0.057 ± 0.010	0.267 ± 0.102	6.358 ± 0.674	0.054 ± 0.006	0.347 ± 0.070
	0.625 mg/kg PAM	PBS	5.128 ± 0.687	0.042 ± 0.002	0.215 ± 0.036	3.649 ± 0.842	0.039 ± 0.003	0.145 ± 0.043	6.210 ± 0.759	0.043 ± 0.002	0.266 ± 0.042
		SclAb	6.048 ± 0.753	0.059 ± 0.006	0.362 ± 0.071	5.286 ± 0.796	0.063 ± 0.007	0.339 ± 0.084	6.677 ± 0.863	0.056 ± 0.005	0.379 ± 0.072

	Combination Treatment		Short-Term			Long-Term		
			Vertebral TbN (1/mm)	Vertebral TbTh (mm)	Vertebral BV/TV	Vertebral TbN (1/mm)	Vertebral TbTh (mm)	Vertebral BV/TV
HET	0 mg/kg PAM	PBS	5.787 ± 0.300	0.040 ± 0.002	0.224 ± 0.017	5.545 ± 0.360	0.042 ± 0.002	0.235 ± 0.026
		ScIAb	6.208 ± 0.420	0.046 ± 0.002	0.289 ± 0.032	6.273 ± 0.616	0.054 ± 0.003	0.339 ± 0.043
	0.3 mg/kg PAM	PBS	6.137 ± 0.536	0.043 ± 0.005	0.263 ± 0.050	6.002 ± 0.444	0.043 ± 0.003	0.257 ± 0.037
		ScIAb	6.351 ± 0.303	0.044 ± 0.003	0.283 ± 0.024	6.706 ± 0.378	0.056 ± 0.003	0.378 ± 0.034
	0.625 mg/kg PAM	PBS	6.376 ± 0.569	0.039 ± 0.004	0.252 ± 0.045	6.300 ± 0.614	0.043 ± 0.004	0.275 ± 0.046
		ScIAb	6.544 ± 0.423	0.045 ± 0.004	0.298 ± 0.043	7.028 ± 0.398	0.060 ± 0.006	0.421 ± 0.053
WT	0 mg/kg PAM	PBS	6.130 ± 0.271	0.044 ± 0.002	0.271 ± 0.019	6.233 ± 0.446	0.047 ± 0.004	0.293 ± 0.037
		ScIAb	6.816 ± 0.376	0.053 ± 0.004	0.365 ± 0.040	6.860 ± 0.357	0.066 ± 0.008	0.452 ± 0.065
	0.3 mg/kg PAM	PBS	6.573 ± 0.459	0.045 ± 0.002	0.299 ± 0.034	6.487 ± 0.346	0.045 ± 0.002	0.291 ± 0.019
		ScIAb	6.935 ± 0.519	0.055 ± 0.003	0.380 ± 0.041	6.917 ± 0.353	0.069 ± 0.007	0.478 ± 0.066
	0.625 mg/kg PAM	PBS	6.886 ± 0.363	0.043 ± 0.002	0.295 ± 0.021	6.838 ± 0.340	0.046 ± 0.003	0.315 ± 0.033
		ScIAb	7.012 ± 0.167	0.055 ± 0.004	0.388 ± 0.029	7.091 ± 0.254	0.071 ± 0.007	0.504 ± 0.053

	Combination Treatment		Short-Term			Long-Term		
			CTh (mm)	Stiffness (N/mm)	Ultimate Load (1/N)	CTh (mm)	Stiffness (N/mm)	Ultimate Load (1/N)
HET	0 mg/kg PAM	PBS	0.079 ± 0.006	31.193 ± 4.971	15.750 ± 7.562	0.078 ± 0.005	46.974 ± 20.181	22.696 ± 8.179
		ScIAb	0.091 ± 0.005	42.387 ± 4.954	27.523 ± 8.172	0.091 ± 0.006	81.307 ± 15.531	61.764 ± 17.321
	0.3 mg/kg PAM	PBS	0.082 ± 0.011	49.112 ± 3.969	24.154 ± 8.213	0.081 ± 0.006	76.644 ± 15.154	31.330 ± 7.338
		ScIAb	0.086 ± 0.007	61.102 ± 17.992	27.650 ± 6.055	0.090 ± 0.006	97.269 ± 13.733	56.919 ± 7.565
	0.625 mg/kg PAM	PBS	0.084 ± 0.012	54.149 ± 12.489	19.110 ± 7.156	0.083 ± 0.006	75.650 ± 8.031	31.257 ± 5.078
		ScIAb	0.088 ± 0.007	68.106 ± 17.089	29.370 ± 4.233	0.093 ± 0.009	130.945 ± 25.920	69.416 ± 12.274
WT	0 mg/kg PAM	PBS	0.094 ± 0.002	44.237 ± 7.252	31.642 ± 10.346	0.088 ± 0.008	95.297 ± 15.027	56.810 ± 14.635
		ScIAb	0.100 ± 0.005	59.329 ± 11.964	48.157 ± 9.847	0.102 ± 0.008	136.688 ± 16.367	80.503 ± 9.545
	0.3 mg/kg PAM	PBS	0.096 ± 0.003	54.834 ± 8.050	28.608 ± 10.154	0.091 ± 0.005	93.523 ± 11.164	43.526 ± 4.540
		ScIAb	0.102 ± 0.006	70.698 ± 17.131	46.238 ± 11.460	0.103 ± 0.010	151.576 ± 20.854	77.919 ± 17.028
	0.625 mg/kg PAM	PBS	0.098 ± 0.005	65.371 ± 7.165	29.423 ± 4.186	0.096 ± 0.006	119.729 ± 24.514	49.696 ± 11.258
		ScIAb	0.102 ± 0.007	86.126 ± 19.143	47.382 ± 14.559	0.106 ± 0.008	156.340 ± 28.962	81.803 ± 12.247

	Combination Treatment		Short-Term	Long-Term				
			CTh (mm)	CTh (mm)	Stiffness (N/mm)	Ultimate Load (1/N)	Bending Moment (mm ⁴)	Cross-sectional Area (mm ²)
HET	0 mg/kg PAM	PBS	0.152 ± 0.016	0.191 ± 0.020	144.506 ± 30.164	23.056 ± 5.848	0.137 ± 0.023	1.798 ± 0.183
		ScIAb	0.182 ± 0.008	0.228 ± 0.020	223.330 ± 40.350	33.668 ± 5.549	0.159 ± 0.029	1.919 ± 0.173
	0.3 mg/kg PAM	PBS	0.158 ± 0.020	0.193 ± 0.022	158.177 ± 42.292	23.454 ± 7.157	0.123 ± 0.039	1.694 ± 0.246
		ScIAb	0.171 ± 0.017	0.233 ± 0.015	218.861 ± 37.982	35.421 ± 5.347	0.154 ± 0.016	1.895 ± 0.106
	0.625 mg/kg PAM	PBS	0.160 ± 0.017	0.189 ± 0.018	132.610 ± 7.296	23.139 ± 4.127	0.124 ± 0.029	1.719 ± 0.188
		ScIAb	0.176 ± 0.012	0.232 ± 0.031	253.144 ± 54.500	37.049 ± 9.326	0.159 ± 0.040	1.942 ± 0.321
WT	0 mg/kg PAM	PBS	0.192 ± 0.022	0.226 ± 0.018	175.234 ± 30.630	29.775 ± 3.926	0.170 ± 0.040	1.996 ± 0.247
		ScIAb	0.234 ± 0.009	0.277 ± 0.024	255.975 ± 39.086	47.690 ± 10.248	0.209 ± 0.063	2.261 ± 0.372
	0.3 mg/kg PAM	PBS	0.202 ± 0.021	0.220 ± 0.020	176.938 ± 28.273	31.590 ± 7.844	0.155 ± 0.023	1.949 ± 0.149
		ScIAb	0.234 ± 0.009	0.277 ± 0.028	284.939 ± 60.078	48.121 ± 8.361	0.206 ± 0.039	2.209 ± 0.184
	0.625 mg/kg PAM	PBS	0.197 ± 0.014	0.222 ± 0.018	187.297 ± 38.584	31.235 ± 5.089	0.162 ± 0.028	1.967 ± 0.194
		ScIAb	0.216 ± 0.028	0.277 ± 0.018	276.983 ± 73.111	47.638 ± 11.204	0.207 ± 0.033	2.230 ± 0.245