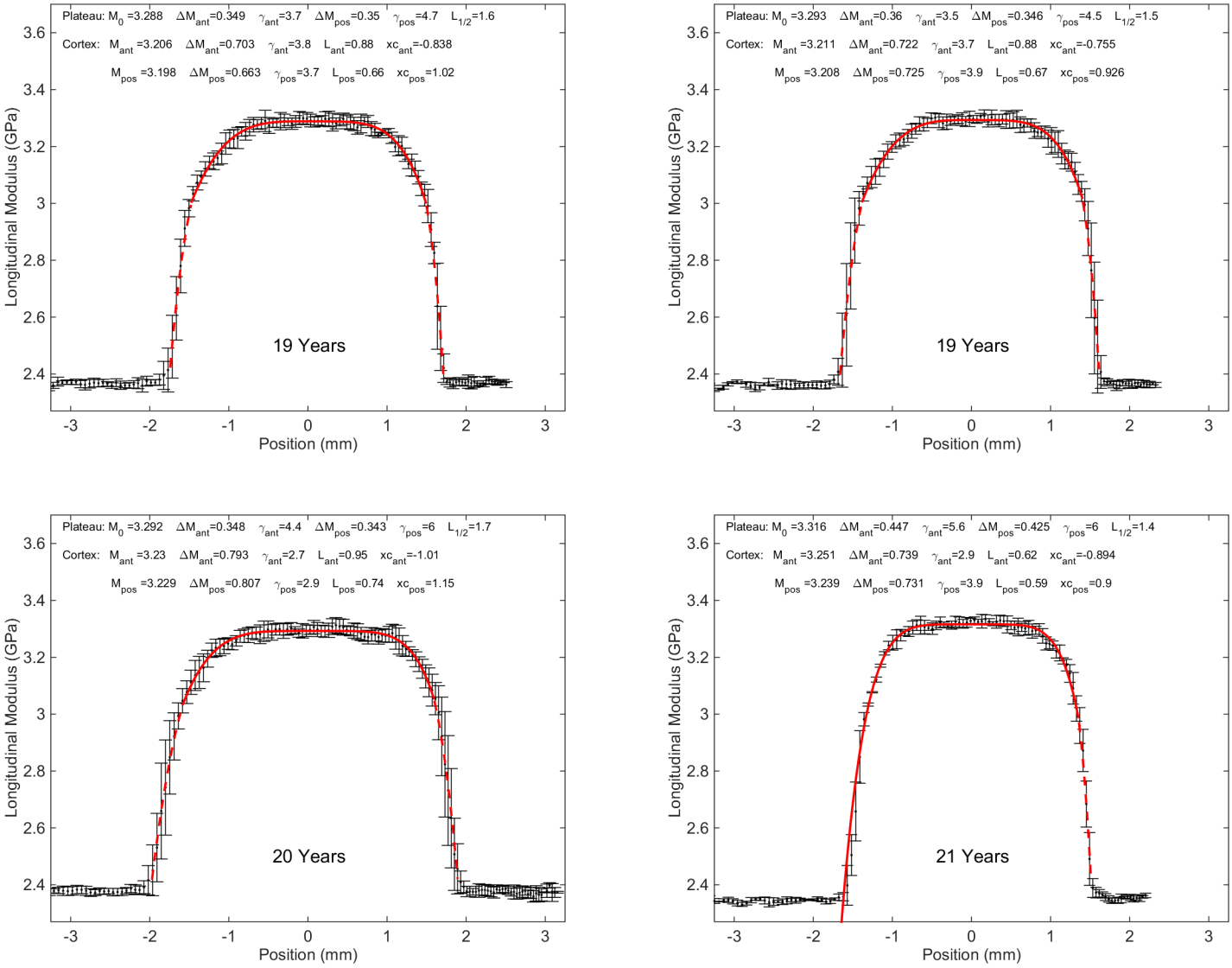
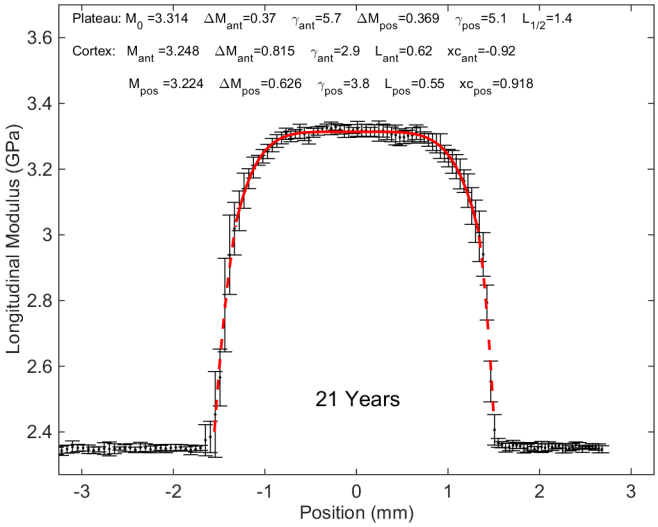
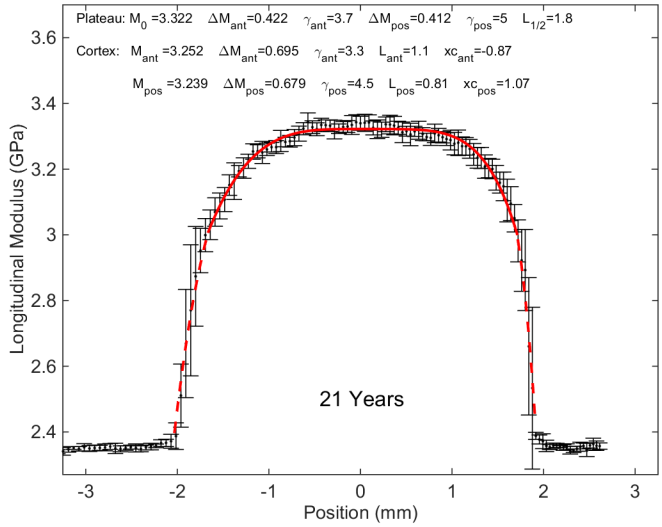
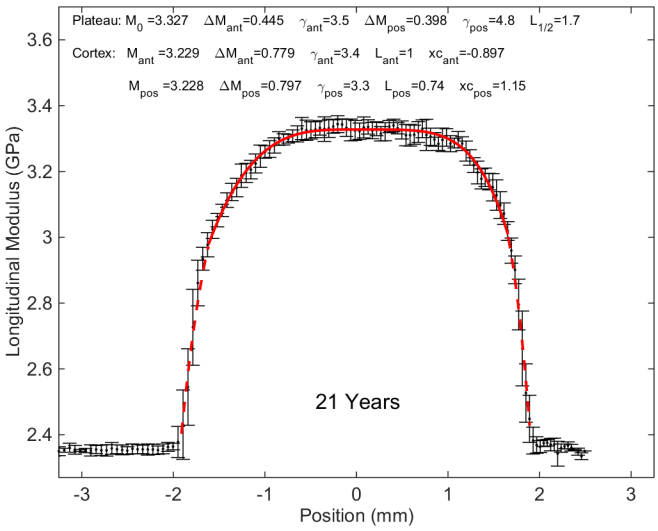
Supplementary information:

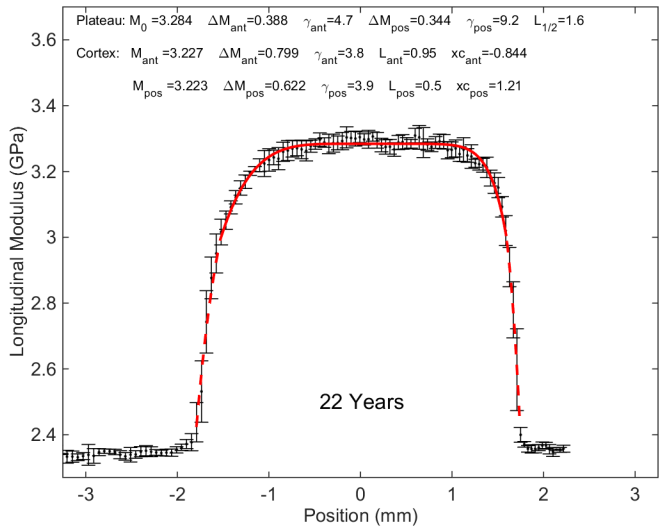
Figure S1. Sagittal lens profiles (dots with error bars) and fit (red line) for all subjects imaged in this study. In the figures, the anterior and posterior central plateau fits (solid red line) are connected to the anterior and posterior peripheral fit (dashed red line) at their intersection point. For details about the fitting parameter used, please refer to main text.

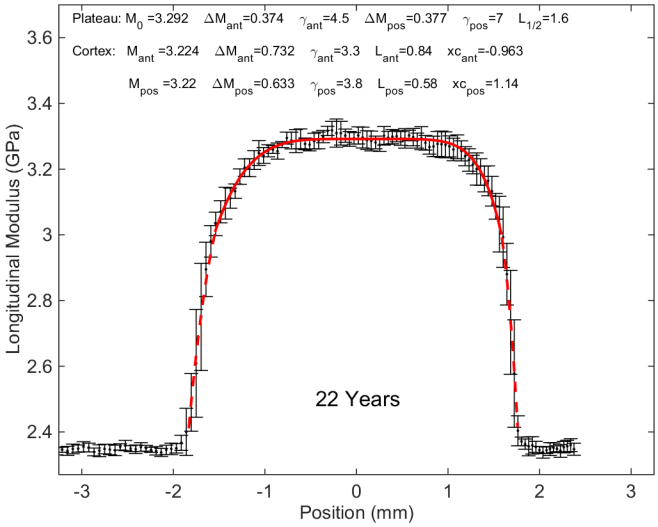


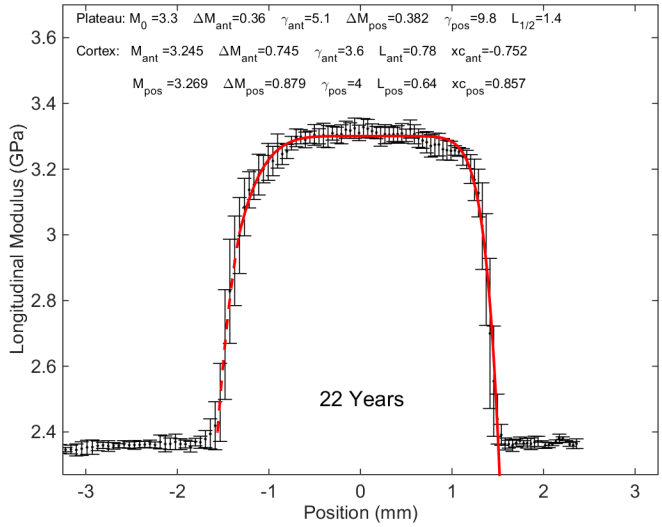

Plateau: M_0 =3.314 ΔM_{ant}=0.37 γ_{ant}=5.7 ΔM_{pos}=0.369 γ_{pos}=5.1 $L_{1/2}$=1.4
Cortex: M_{ant} =3.248 ΔM_{ant}=0.815 γ_{ant}=2.9 L_{ant}=0.62 xc_{ant}=-0.92
M_{pos} =3.224 ΔM_{pos}=0.626 γ_{pos}=3.8 L_{pos}=0.55 xc_{pos}=0.918
21 Years
Longitudinal Modulus (GPa)
Position (mm)

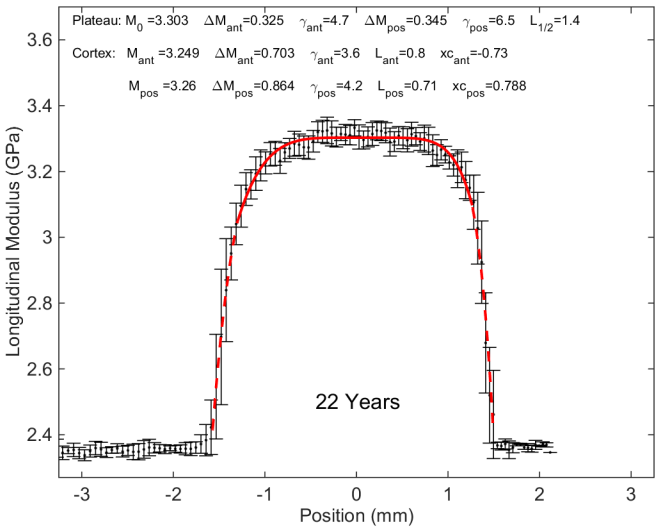

Plateau: M_0 =3.322 ΔM_{ant}=0.422 γ_{ant}=3.7 ΔM_{pos}=0.412 γ_{pos}=5 $L_{1/2}$=1.8
Cortex: M_{ant} =3.252 ΔM_{ant}=0.695 γ_{ant}=3.3 L_{ant}=1.1 xc_{ant}=-0.87
M_{pos} =3.239 ΔM_{pos}=0.679 γ_{pos}=4.5 L_{pos}=0.81 xc_{pos}=1.07
21 Years
Longitudinal Modulus (GPa)
Position (mm)

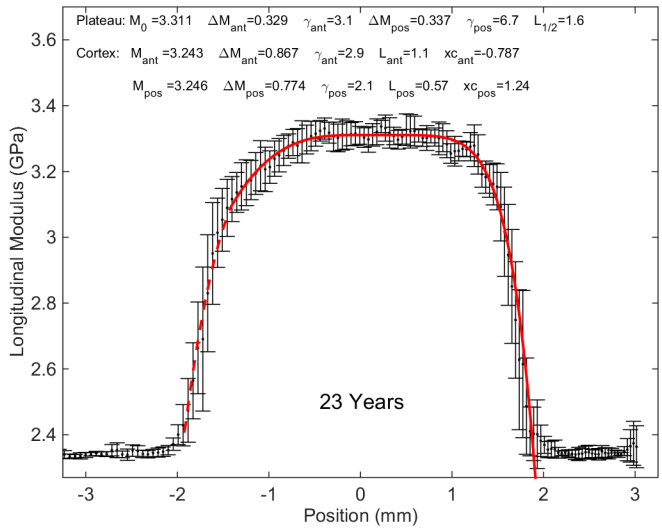

Plateau: M_0 =3.327 ΔM_{ant}=0.445 γ_{ant}=3.5 ΔM_{pos}=0.398 γ_{pos}=4.8 $L_{1/2}$=1.7
Cortex: M_{ant} =3.229 ΔM_{ant}=0.779 γ_{ant}=3.4 L_{ant}=1 xc_{ant}=-0.897
M_{pos} =3.228 ΔM_{pos}=0.797 γ_{pos}=3.3 L_{pos}=0.74 xc_{pos}=1.15
21 Years
Longitudinal Modulus (GPa)
Position (mm)

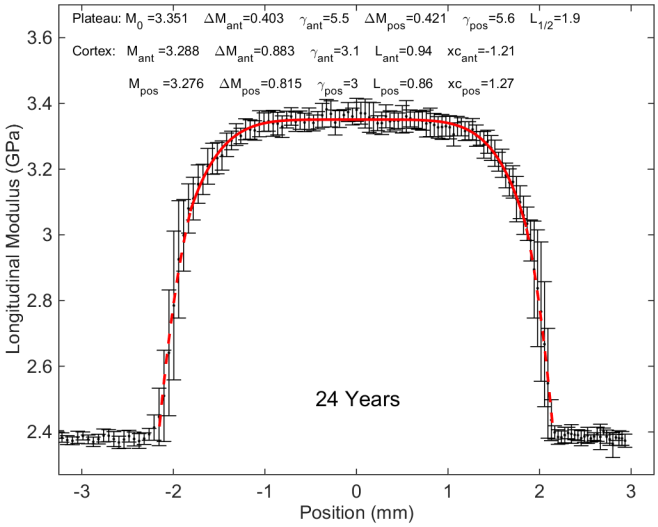

Plateau: M_0 =3.284 ΔM_{ant}=0.388 γ_{ant}=4.7 ΔM_{pos}=0.344 γ_{pos}=9.2 $L_{1/2}$=1.6
Cortex: M_{ant} =3.227 ΔM_{ant}=0.799 γ_{ant}=3.8 L_{ant}=0.95 xc_{ant}=-0.844
M_{pos} =3.223 ΔM_{pos}=0.622 γ_{pos}=3.9 L_{pos}=0.5 xc_{pos}=1.21
22 Years
Longitudinal Modulus (GPa)
Position (mm)

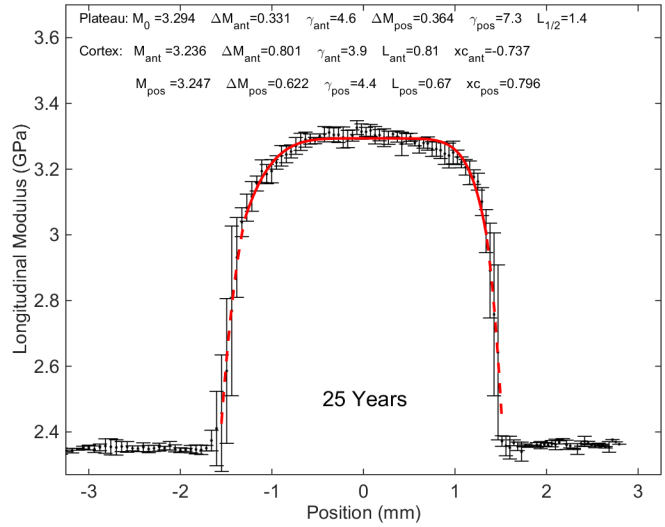

Plateau: M_0 =3.292 ΔM_{ant}=0.374 γ_{ant}=4.5 ΔM_{pos}=0.377 γ_{pos}=7 $L_{1/2}$=1.6
Cortex: M_{ant} =3.224 ΔM_{ant}=0.732 γ_{ant}=3.3 L_{ant}=0.84 xc_{ant}=-0.963
M_{pos} =3.22 ΔM_{pos}=0.633 γ_{pos}=3.8 L_{pos}=0.58 xc_{pos}=1.14
22 Years
Longitudinal Modulus (GPa)
Position (mm)

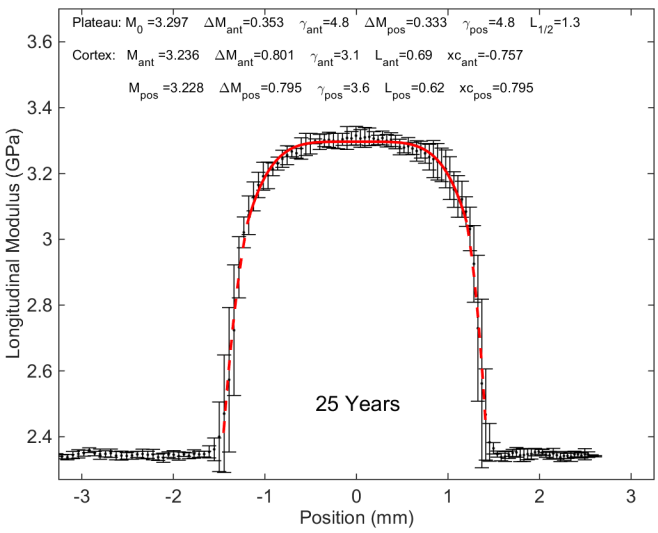

Plateau: M_0 =3.3 ΔM_{ant}=0.36 γ_{ant}=5.1 ΔM_{pos}=0.382 γ_{pos}=9.8 $L_{1/2}$=1.4
Cortex: M_{ant} =3.245 ΔM_{ant}=0.745 γ_{ant}=3.6 L_{ant}=0.78 xc_{ant}=-0.752
M_{pos} =3.269 ΔM_{pos}=0.879 γ_{pos}=4 L_{pos}=0.64 xc_{pos}=0.857
22 Years
Longitudinal Modulus (GPa)
Position (mm)

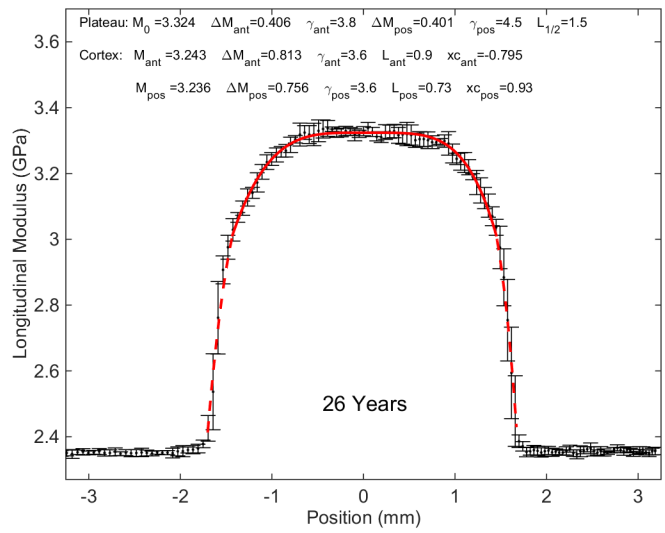

Plateau: M_0 =3.303 ΔM_{ant}=0.325 γ_{ant}=4.7 ΔM_{pos}=0.345 γ_{pos}=6.5 $L_{1/2}$=1.4
Cortex: M_{ant} =3.249 ΔM_{ant}=0.703 γ_{ant}=3.6 L_{ant}=0.8 xc_{ant}=-0.73
M_{pos} =3.26 ΔM_{pos}=0.864 γ_{pos}=4.2 L_{pos}=0.71 xc_{pos}=0.788
22 Years
Longitudinal Modulus (GPa)
Position (mm)

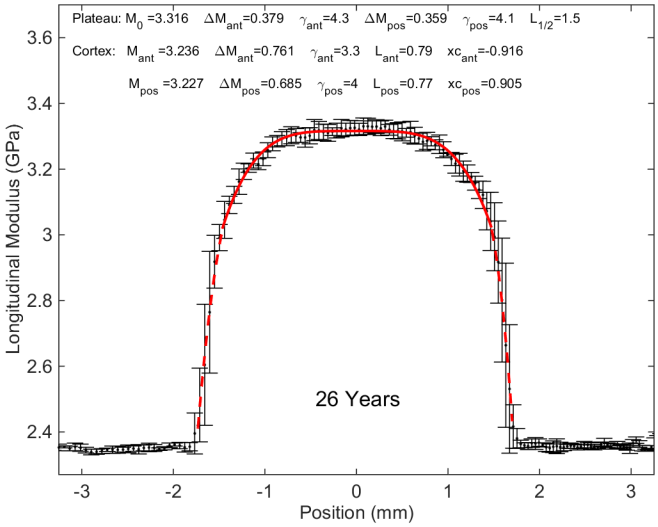

Plateau: M_0 =3.311 ΔM_{ant}=0.329 γ_{ant}=3.1 ΔM_{pos}=0.337 γ_{pos}=6.7 $L_{1/2}$=1.6
Cortex: M_{ant} =3.243 ΔM_{ant}=0.867 γ_{ant}=2.9 L_{ant}=1.1 xc_{ant}=-0.787
M_{pos} =3.246 ΔM_{pos}=0.774 γ_{pos}=2.1 L_{pos}=0.57 xc_{pos}=1.24
23 Years
Longitudinal Modulus (GPa)
Position (mm)

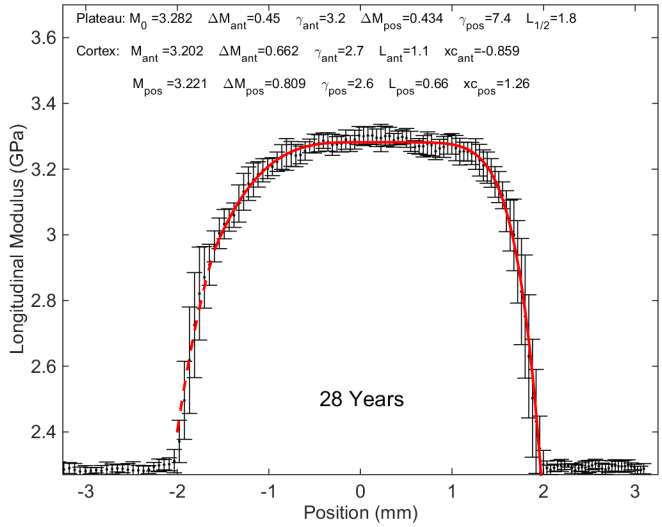

Plateau: M_0 =3.351 ΔM_{ant}=0.403 γ_{ant}=5.5 ΔM_{pos}=0.421 γ_{pos}=5.6 $L_{1/2}$=1.9
Cortex: M_{ant} =3.288 ΔM_{ant}=0.883 γ_{ant}=3.1 L_{ant}=0.94 xc_{ant}=-1.21
M_{pos} =3.276 ΔM_{pos}=0.815 γ_{pos}=3 L_{pos}=0.86 xc_{pos}=1.27
24 Years
Longitudinal Modulus (GPa)
Position (mm)

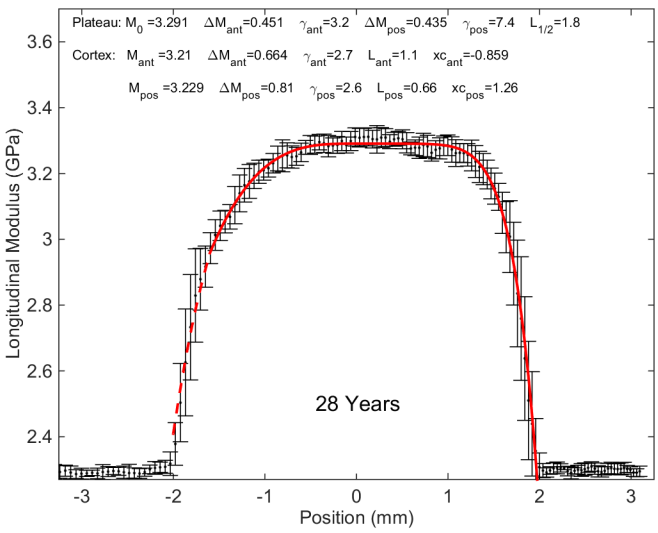

Plateau: M_0 =3.294 ΔM_{ant}=0.331 γ_{ant}=4.6 ΔM_{pos}=0.364 γ_{pos}=7.3 $L_{1/2}$=1.4
Cortex: M_{ant} =3.236 ΔM_{ant}=0.801 γ_{ant}=3.9 L_{ant}=0.81 xc_{ant}=-0.737
M_{pos} =3.247 ΔM_{pos}=0.622 γ_{pos}=4.4 L_{pos}=0.67 xc_{pos}=0.796
25 Years
Longitudinal Modulus (GPa)
Position (mm)

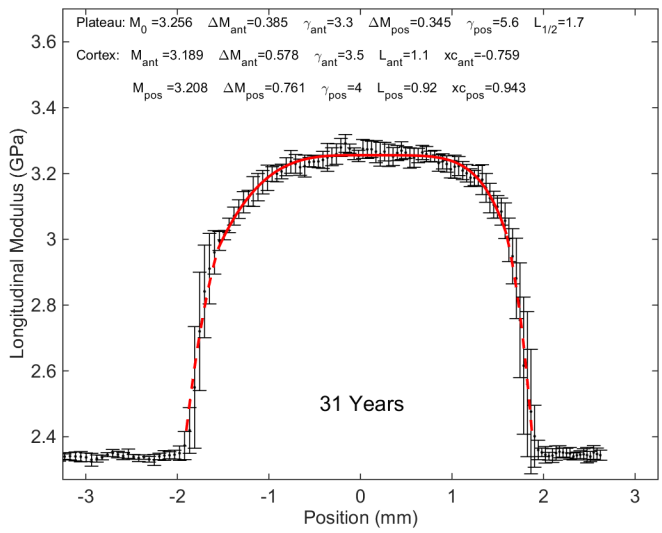

Plateau: M_0 =3.297 ΔM_{ant}=0.353 γ_{ant}=4.8 ΔM_{pos}=0.333 γ_{pos}=4.8 $L_{1/2}$=1.3
Cortex: M_{ant} =3.236 ΔM_{ant}=0.801 γ_{ant}=3.1 L_{ant}=0.69 xc_{ant}=-0.757
M_{pos} =3.228 ΔM_{pos}=0.795 γ_{pos}=3.6 L_{pos}=0.62 xc_{pos}=0.795
25 Years
Longitudinal Modulus (GPa)
Position (mm)

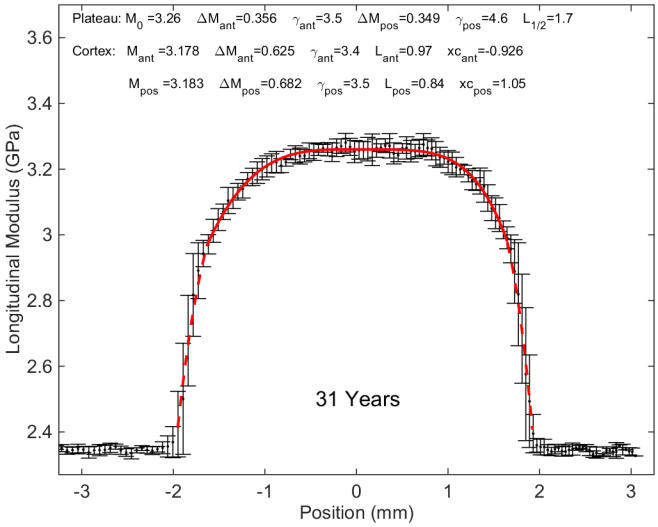

Plateau: M_0 =3.324 ΔM_{ant}=0.406 γ_{ant}=3.8 ΔM_{pos}=0.401 γ_{pos}=4.5 $L_{1/2}$=1.5
Cortex: M_{ant} =3.243 ΔM_{ant}=0.813 γ_{ant}=3.6 L_{ant}=0.9 xc_{ant}=-0.795
M_{pos} =3.236 ΔM_{pos}=0.756 γ_{pos}=3.6 L_{pos}=0.73 xc_{pos}=0.93
26 Years
Longitudinal Modulus (GPa)
Position (mm)

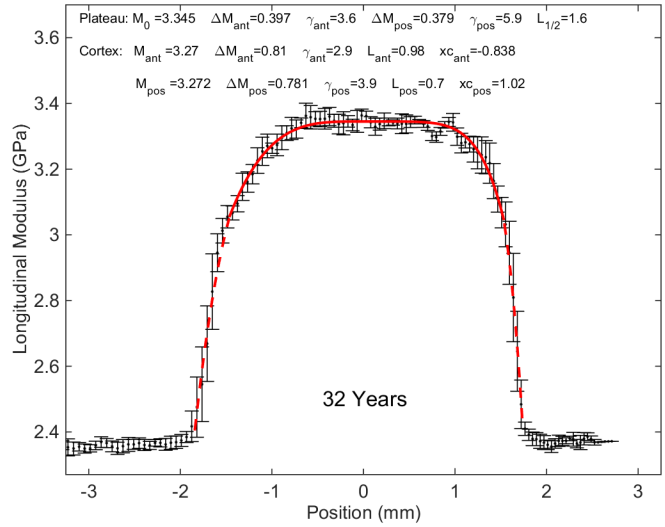

Plateau: M_0 =3.316 ΔM_{ant}=0.379 γ_{ant}=4.3 ΔM_{pos}=0.359 γ_{pos}=4.1 $L_{1/2}$=1.5
Cortex: M_{ant} =3.236 ΔM_{ant}=0.761 γ_{ant}=3.3 L_{ant}=0.79 xc_{ant}=-0.916
M_{pos} =3.227 ΔM_{pos}=0.685 γ_{pos}=4 L_{pos}=0.77 xc_{pos}=0.905
26 Years
Longitudinal Modulus (GPa)
Position (mm)

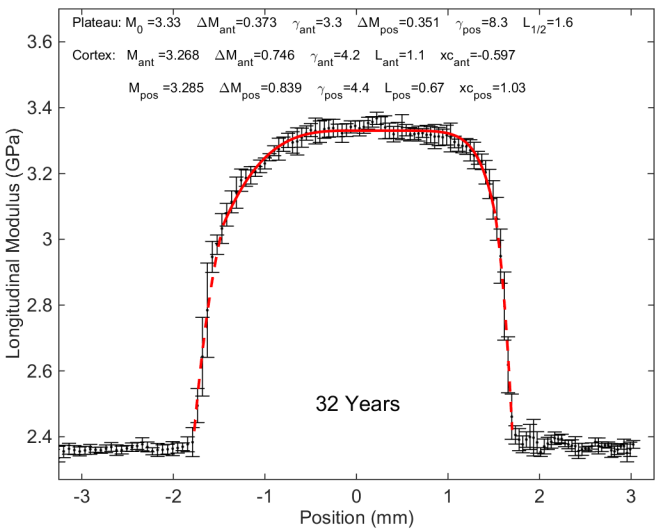

Plateau: M_0 =3.282 ΔM_{ant}=0.45 γ_{ant}=3.2 ΔM_{pos}=0.434 γ_{pos}=7.4 $L_{1/2}$=1.8
Cortex: M_{ant} =3.202 ΔM_{ant}=0.662 γ_{ant}=2.7 L_{ant}=1.1 xc_{ant}=-0.859
M_{pos} =3.221 ΔM_{pos}=0.809 γ_{pos}=2.6 L_{pos}=0.66 xc_{pos}=1.26
28 Years
Longitudinal Modulus (GPa)
Position (mm)

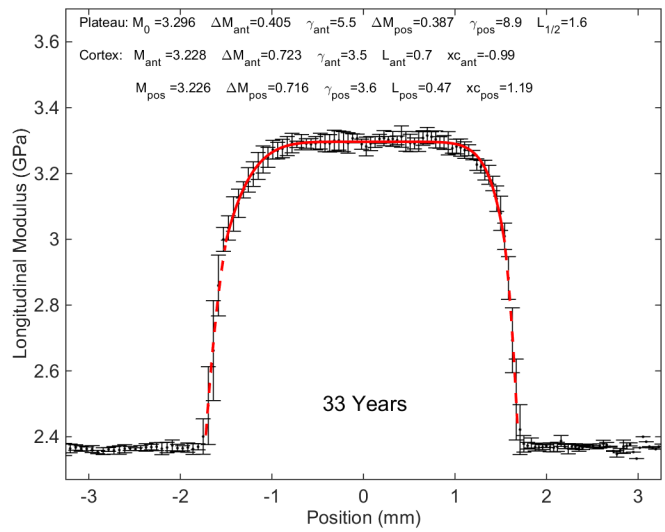

Plateau: M_0 =3.291 ΔM_{ant}=0.451 γ_{ant}=3.2 ΔM_{pos}=0.435 γ_{pos}=7.4 $L_{1/2}$=1.8
Cortex: M_{ant} =3.21 ΔM_{ant}=0.664 γ_{ant}=2.7 L_{ant}=1.1 xc_{ant}=-0.859
M_{pos} =3.229 ΔM_{pos}=0.81 γ_{pos}=2.6 L_{pos}=0.66 xc_{pos}=1.26
28 Years
Longitudinal Modulus (GPa)
Position (mm)

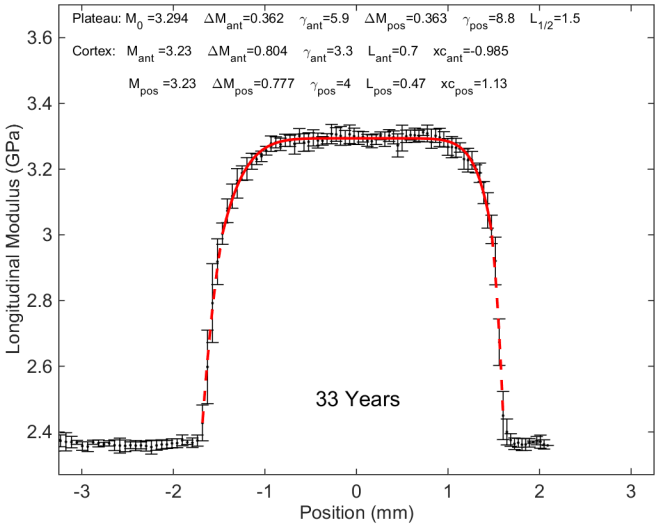

Plateau: M_0 =3.256 ΔM_{ant}=0.385 γ_{ant}=3.3 ΔM_{pos}=0.345 γ_{pos}=5.6 $L_{1/2}$=1.7
Cortex: M_{ant} =3.189 ΔM_{ant}=0.578 γ_{ant}=3.5 L_{ant}=1.1 xc_{ant}=-0.759
M_{pos} =3.208 ΔM_{pos}=0.761 γ_{pos}=4 L_{pos}=0.92 xc_{pos}=0.943
31 Years
Longitudinal Modulus (GPa)
Position (mm)

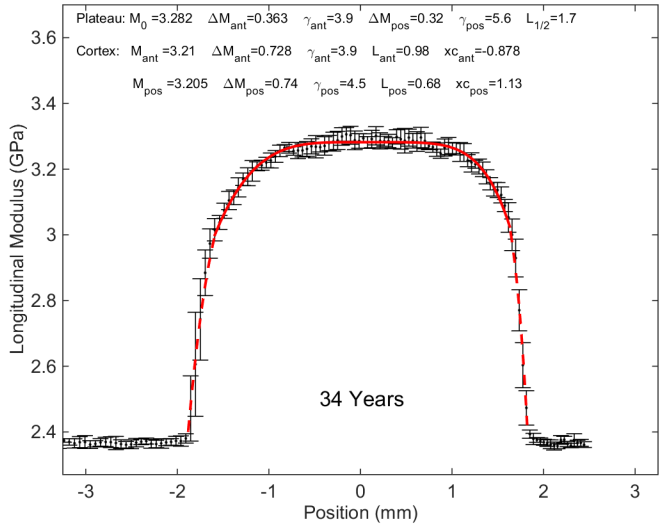

Plateau: M_0 =3.26 ΔM_{ant}=0.356 γ_{ant}=3.5 ΔM_{pos}=0.349 γ_{pos}=4.6 $L_{1/2}$=1.7
Cortex: M_{ant} =3.178 ΔM_{ant}=0.625 γ_{ant}=3.4 L_{ant}=0.97 xc_{ant}=-0.926
M_{pos} =3.183 ΔM_{pos}=0.682 γ_{pos}=3.5 L_{pos}=0.84 xc_{pos}=1.05
31 Years
Longitudinal Modulus (GPa)
Position (mm)

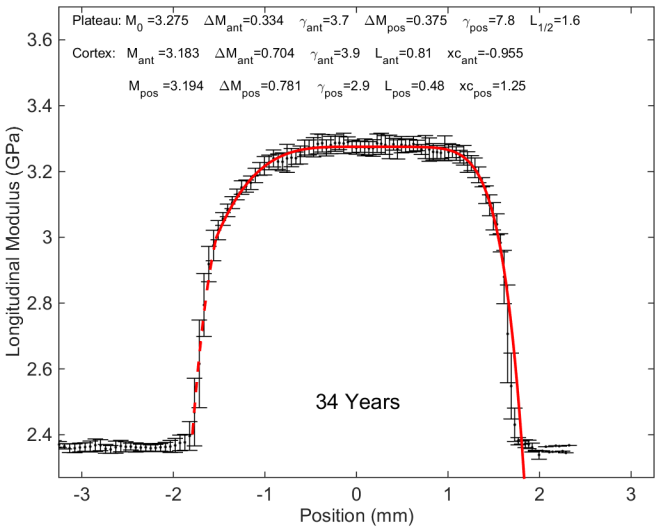

Plateau: M_0 =3.345 ΔM_{ant}=0.397 γ_{ant}=3.6 ΔM_{pos}=0.379 γ_{pos}=5.9 $L_{1/2}$=1.6
Cortex: M_{ant} =3.27 ΔM_{ant}=0.81 γ_{ant}=2.9 L_{ant}=0.98 xc_{ant}=-0.838
M_{pos} =3.272 ΔM_{pos}=0.781 γ_{pos}=3.9 L_{pos}=0.7 xc_{pos}=1.02
32 Years
Longitudinal Modulus (GPa)
Position (mm)

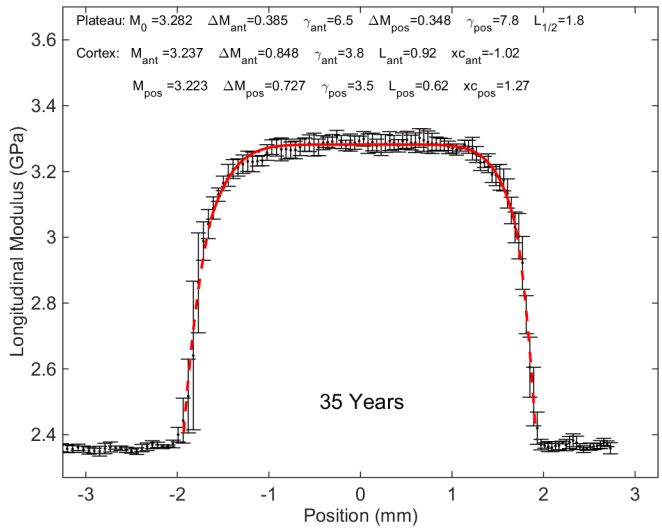

Plateau: M_0 =3.33 ΔM_{ant}=0.373 γ_{ant}=3.3 ΔM_{pos}=0.351 γ_{pos}=8.3 $L_{1/2}$=1.6
Cortex: M_{ant} =3.268 ΔM_{ant}=0.746 γ_{ant}=4.2 L_{ant}=1.1 xc_{ant}=-0.597
M_{pos} =3.285 ΔM_{pos}=0.839 γ_{pos}=4.4 L_{pos}=0.67 xc_{pos}=1.03
32 Years
Longitudinal Modulus (GPa)
Position (mm)

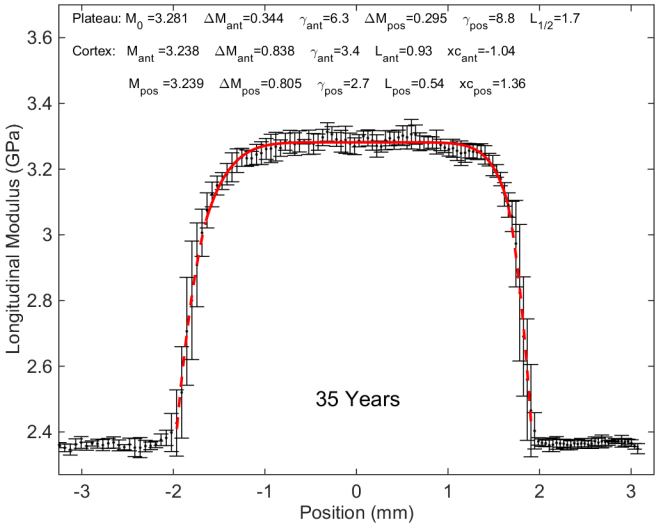

Plateau: M_0 =3.296 ΔM_{ant}=0.405 γ_{ant}=5.5 ΔM_{pos}=0.387 γ_{pos}=8.9 $L_{1/2}$=1.6
Cortex: M_{ant} =3.228 ΔM_{ant}=0.723 γ_{ant}=3.5 L_{ant}=0.7 xc_{ant}=-0.99
M_{pos} =3.226 ΔM_{pos}=0.716 γ_{pos}=3.6 L_{pos}=0.47 xc_{pos}=1.19
33 Years
Longitudinal Modulus (GPa)
Position (mm)

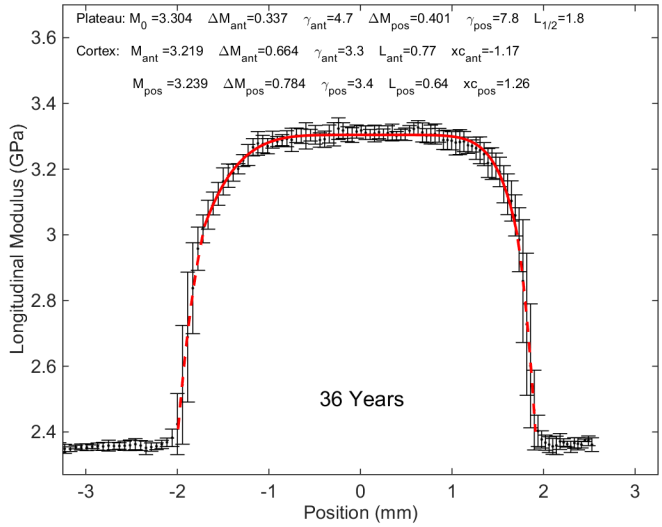

Plateau: M_0 =3.294 ΔM_{ant}=0.362 γ_{ant}=5.9 ΔM_{pos}=0.363 γ_{pos}=8.8 $L_{1/2}$=1.5
Cortex: M_{ant} =3.23 ΔM_{ant}=0.804 γ_{ant}=3.3 L_{ant}=0.7 xc_{ant}=-0.985
M_{pos} =3.23 ΔM_{pos}=0.777 γ_{pos}=4 L_{pos}=0.47 xc_{pos}=1.13
33 Years
Longitudinal Modulus (GPa)
Position (mm)

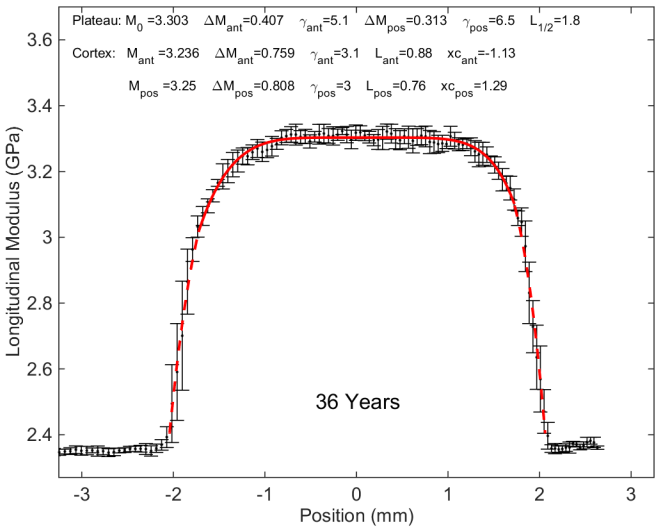

Plateau: M_0 =3.282 ΔM_{ant}=0.363 γ_{ant}=3.9 ΔM_{pos}=0.32 γ_{pos}=5.6 $L_{1/2}$=1.7
Cortex: M_{ant} =3.21 ΔM_{ant}=0.728 γ_{ant}=3.9 L_{ant}=0.98 xc_{ant}=-0.878
M_{pos} =3.205 ΔM_{pos}=0.74 γ_{pos}=4.5 L_{pos}=0.68 xc_{pos}=1.13
34 Years
Longitudinal Modulus (GPa)
Position (mm)

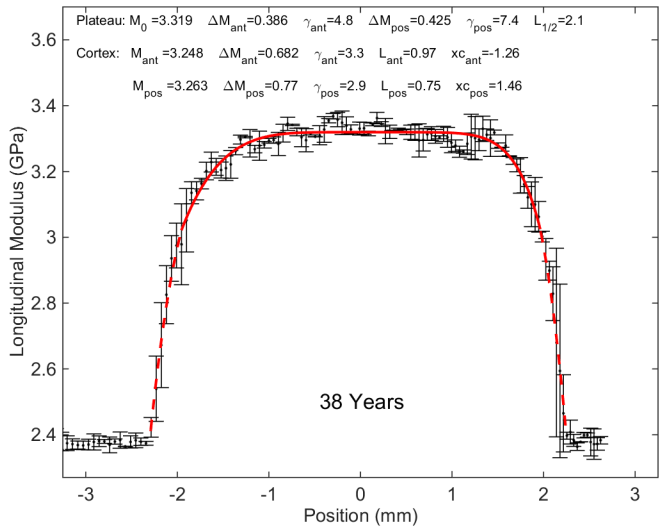

Plateau: M_0 =3.275 ΔM_{ant}=0.334 γ_{ant}=3.7 ΔM_{pos}=0.375 γ_{pos}=7.8 $L_{1/2}$=1.6
Cortex: M_{ant} =3.183 ΔM_{ant}=0.704 γ_{ant}=3.9 L_{ant}=0.81 xc_{ant}=-0.955
M_{pos} =3.194 ΔM_{pos}=0.781 γ_{pos}=2.9 L_{pos}=0.48 xc_{pos}=1.25
34 Years
Longitudinal Modulus (GPa)
Position (mm)

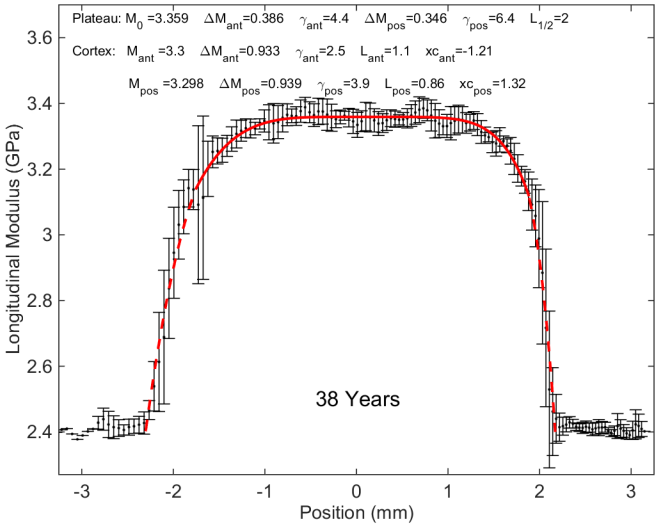

Plateau: M_0 =3.282 ΔM_{ant}=0.385 γ_{ant}=6.5 ΔM_{pos}=0.348 γ_{pos}=7.8 $L_{1/2}$=1.8
Cortex: M_{ant} =3.237 ΔM_{ant}=0.848 γ_{ant}=3.8 L_{ant}=0.92 xc_{ant}=-1.02
M_{pos} =3.223 ΔM_{pos}=0.727 γ_{pos}=3.5 L_{pos}=0.62 xc_{pos}=1.27
35 Years
Longitudinal Modulus (GPa)
Position (mm)

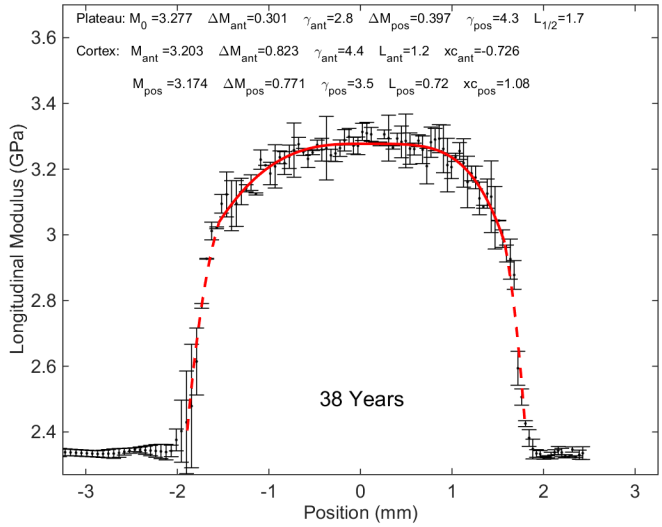

Plateau: M_0 =3.281 ΔM_{ant}=0.344 γ_{ant}=6.3 ΔM_{pos}=0.295 γ_{pos}=8.8 $L_{1/2}$=1.7
Cortex: M_{ant} =3.238 ΔM_{ant}=0.838 γ_{ant}=3.4 L_{ant}=0.93 xc_{ant}=-1.04
M_{pos} =3.239 ΔM_{pos}=0.805 γ_{pos}=2.7 L_{pos}=0.54 xc_{pos}=1.36
35 Years
Longitudinal Modulus (GPa)
Position (mm)

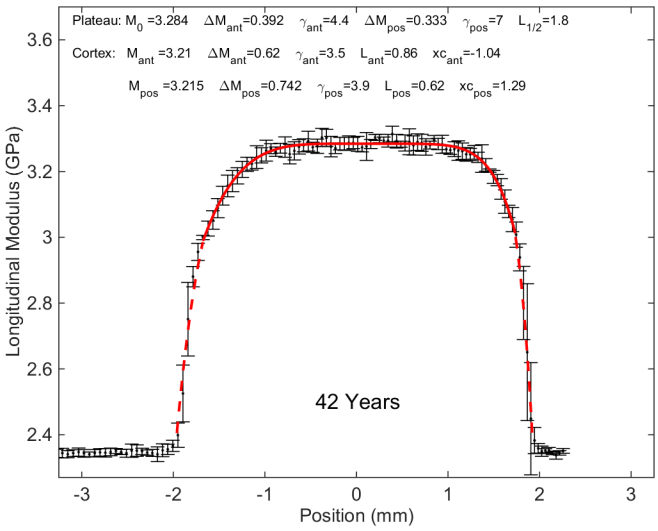

Plateau: M_0 =3.304 ΔM_{ant}=0.337 γ_{ant}=4.7 ΔM_{pos}=0.401 γ_{pos}=7.8 $L_{1/2}$=1.8
Cortex: M_{ant} =3.219 ΔM_{ant}=0.664 γ_{ant}=3.3 L_{ant}=0.77 xc_{ant}=-1.17
M_{pos} =3.239 ΔM_{pos}=0.784 γ_{pos}=3.4 L_{pos}=0.64 xc_{pos}=1.26
36 Years
Longitudinal Modulus (GPa)
Position (mm)

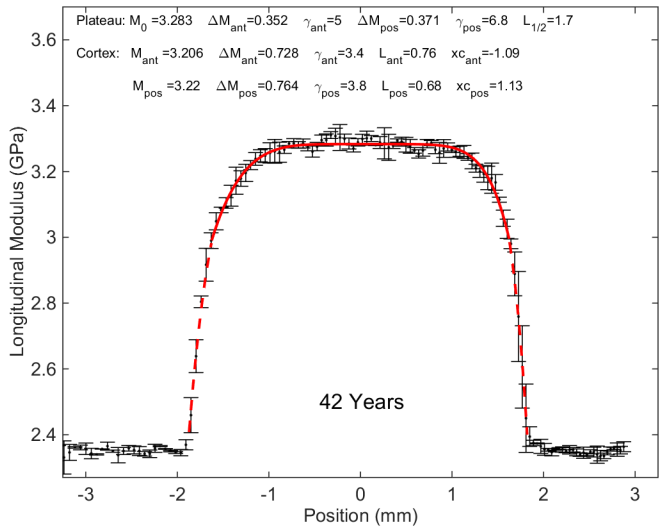

Plateau: M_0 =3.303 ΔM_{ant}=0.407 γ_{ant}=5.1 ΔM_{pos}=0.313 γ_{pos}=6.5 $L_{1/2}$=1.8
Cortex: M_{ant} =3.236 ΔM_{ant}=0.759 γ_{ant}=3.1 L_{ant}=0.88 xc_{ant}=-1.13
M_{pos} =3.25 ΔM_{pos}=0.808 γ_{pos}=3 L_{pos}=0.76 xc_{pos}=1.29
36 Years
Longitudinal Modulus (GPa)
Position (mm)

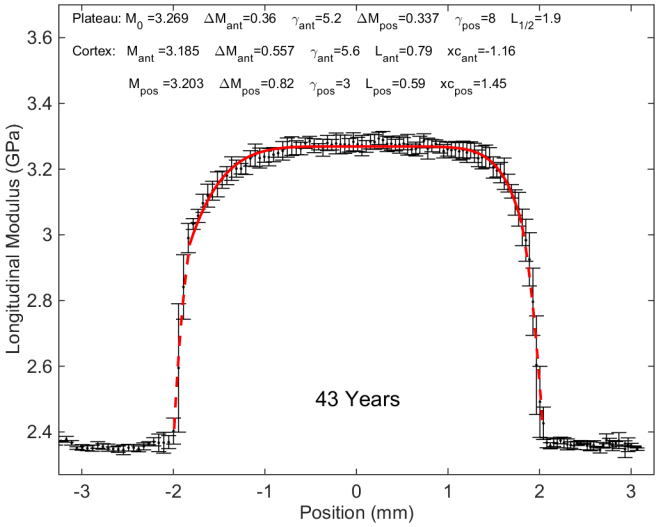

Plateau: M_0 =3.319 ΔM_{ant}=0.386 γ_{ant}=4.8 ΔM_{pos}=0.425 γ_{pos}=7.4 $L_{1/2}$=2.1
Cortex: M_{ant} =3.248 ΔM_{ant}=0.682 γ_{ant}=3.3 L_{ant}=0.97 xc_{ant}=-1.26
M_{pos} =3.263 ΔM_{pos}=0.77 γ_{pos}=2.9 L_{pos}=0.75 xc_{pos}=1.46
38 Years
Longitudinal Modulus (GPa)
Position (mm)

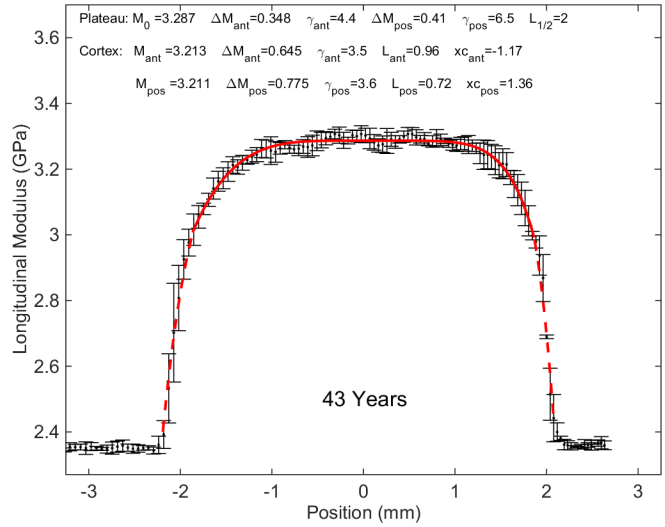

Plateau: M_0 =3.359 ΔM_{ant}=0.386 γ_{ant}=4.4 ΔM_{pos}=0.346 γ_{pos}=6.4 $L_{1/2}$=2
Cortex: M_{ant} =3.3 ΔM_{ant}=0.933 γ_{ant}=2.5 L_{ant}=1.1 xc_{ant}=-1.21
M_{pos} =3.298 ΔM_{pos}=0.939 γ_{pos}=3.9 L_{pos}=0.86 xc_{pos}=1.32
38 Years
Longitudinal Modulus (GPa)
Position (mm)

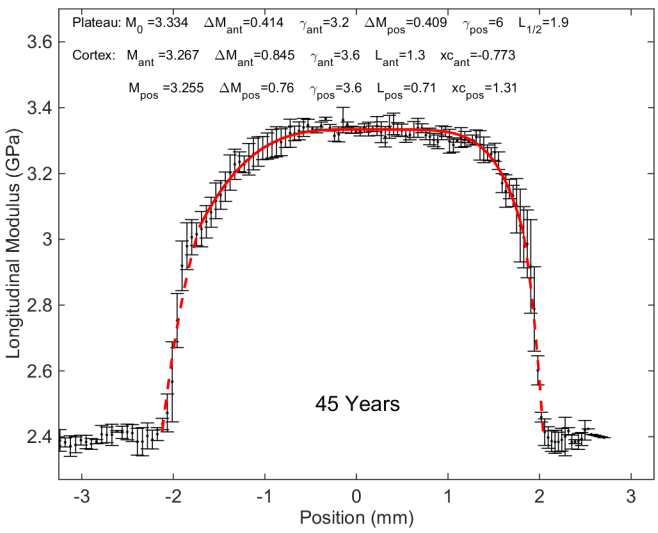

Plateau: M_0 =3.277 ΔM_{ant}=0.301 γ_{ant}=2.8 ΔM_{pos}=0.397 γ_{pos}=4.3 $L_{1/2}$=1.7
Cortex: M_{ant} =3.203 ΔM_{ant}=0.823 γ_{ant}=4.4 L_{ant}=1.2 xc_{ant}=-0.726
M_{pos} =3.174 ΔM_{pos}=0.771 γ_{pos}=3.5 L_{pos}=0.72 xc_{pos}=1.08
38 Years
Longitudinal Modulus (GPa)
Position (mm)

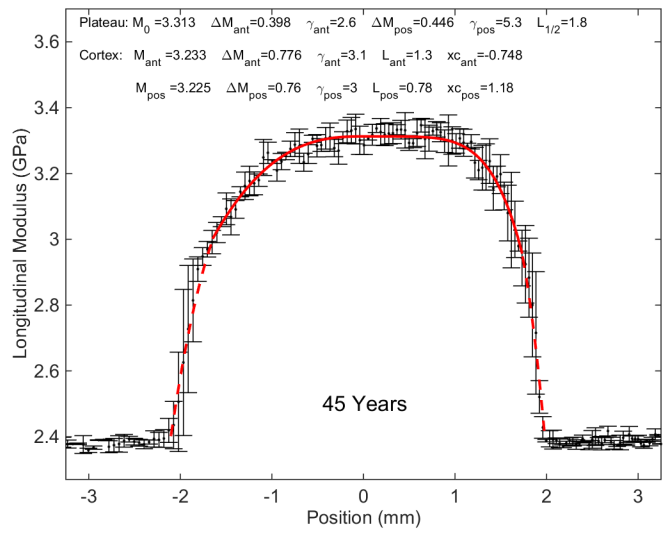

Plateau: M_0 =3.284 ΔM_{ant}=0.392 γ_{ant}=4.4 ΔM_{pos}=0.333 γ_{pos}=7 $L_{1/2}$=1.8
Cortex: M_{ant} =3.21 ΔM_{ant}=0.62 γ_{ant}=3.5 L_{ant}=0.86 xc_{ant}=-1.04
M_{pos} =3.215 ΔM_{pos}=0.742 γ_{pos}=3.9 L_{pos}=0.62 xc_{pos}=1.29
42 Years
Longitudinal Modulus (GPa)
Position (mm)

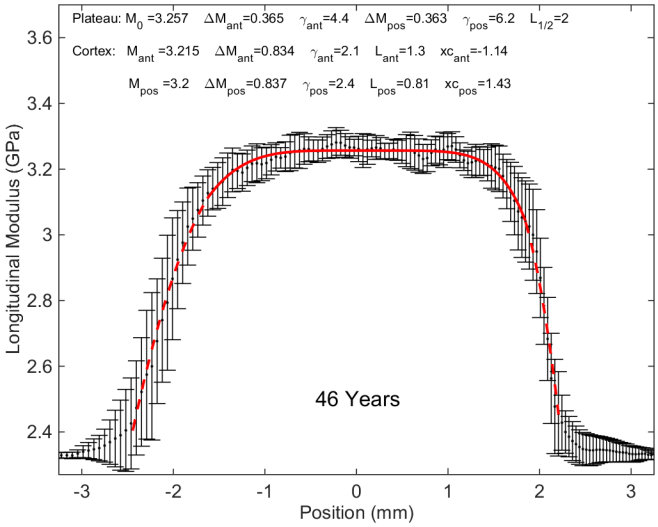

Plateau: M_0 =3.283 ΔM_{ant}=0.352 γ_{ant}=5 ΔM_{pos}=0.371 γ_{pos}=6.8 $L_{1/2}$=1.7
Cortex: M_{ant} =3.206 ΔM_{ant}=0.728 γ_{ant}=3.4 L_{ant}=0.76 xc_{ant}=-1.09
M_{pos} =3.22 ΔM_{pos}=0.764 γ_{pos}=3.8 L_{pos}=0.68 xc_{pos}=1.13
42 Years
Longitudinal Modulus (GPa)
Position (mm)

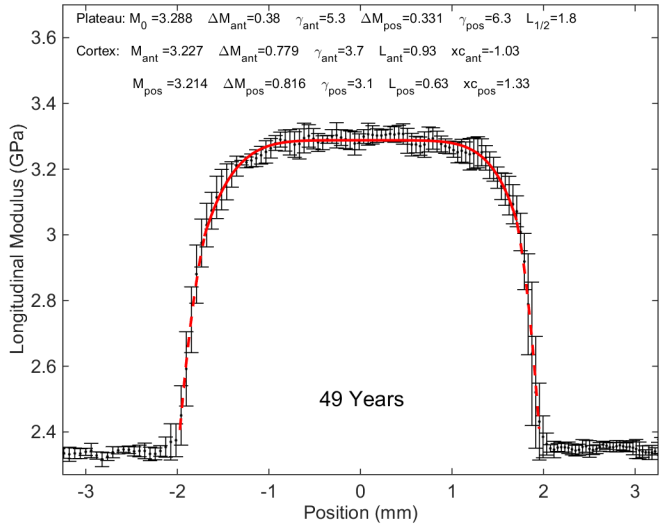

Plateau: M_0 =3.269 ΔM_{ant}=0.36 γ_{ant}=5.2 ΔM_{pos}=0.337 γ_{pos}=8 $L_{1/2}$=1.9
Cortex: M_{ant} =3.185 ΔM_{ant}=0.557 γ_{ant}=5.6 L_{ant}=0.79 xc_{ant}=-1.16
M_{pos} =3.203 ΔM_{pos}=0.82 γ_{pos}=3 L_{pos}=0.59 xc_{pos}=1.45
43 Years
Longitudinal Modulus (GPa)
Position (mm)

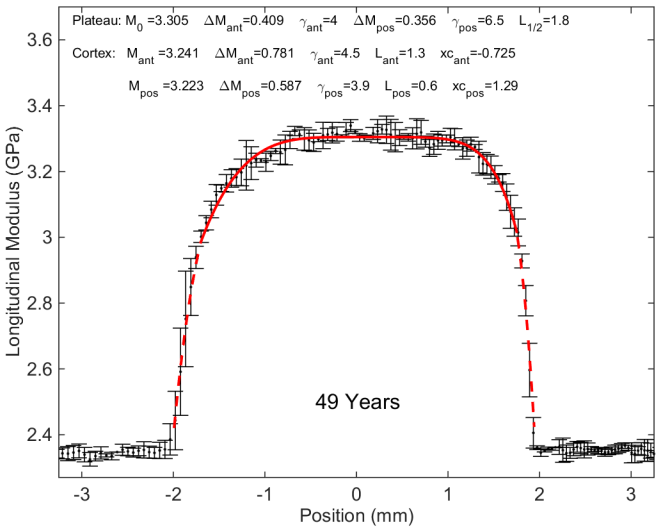

Plateau: M_0 =3.287 ΔM_{ant}=0.348 γ_{ant}=4.4 ΔM_{pos}=0.41 γ_{pos}=6.5 $L_{1/2}$=2
Cortex: M_{ant} =3.213 ΔM_{ant}=0.645 γ_{ant}=3.5 L_{ant}=0.96 xc_{ant}=-1.17
M_{pos} =3.211 ΔM_{pos}=0.775 γ_{pos}=3.6 L_{pos}=0.72 xc_{pos}=1.36
43 Years
Longitudinal Modulus (GPa)
Position (mm)

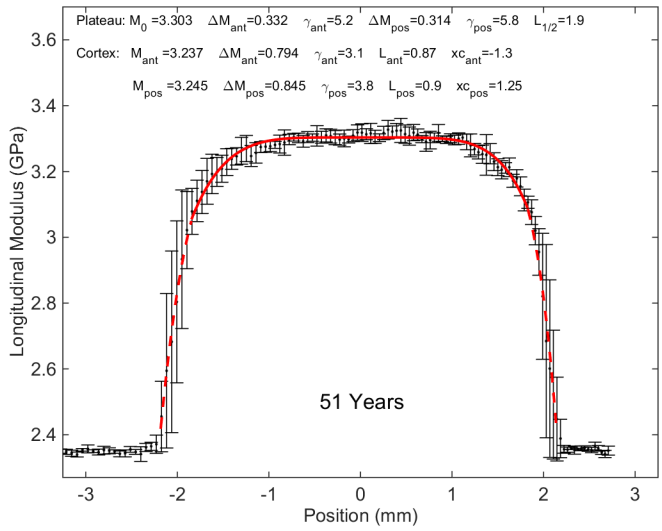

Plateau: M_0 =3.334 ΔM_{ant}=0.414 γ_{ant}=3.2 ΔM_{pos}=0.409 γ_{pos}=6 $L_{1/2}$=1.9
Cortex: M_{ant} =3.267 ΔM_{ant}=0.845 γ_{ant}=3.6 L_{ant}=1.3 xc_{ant}=-0.773
M_{pos} =3.255 ΔM_{pos}=0.76 γ_{pos}=3.6 L_{pos}=0.71 xc_{pos}=1.31
45 Years
Longitudinal Modulus (GPa)
Position (mm)

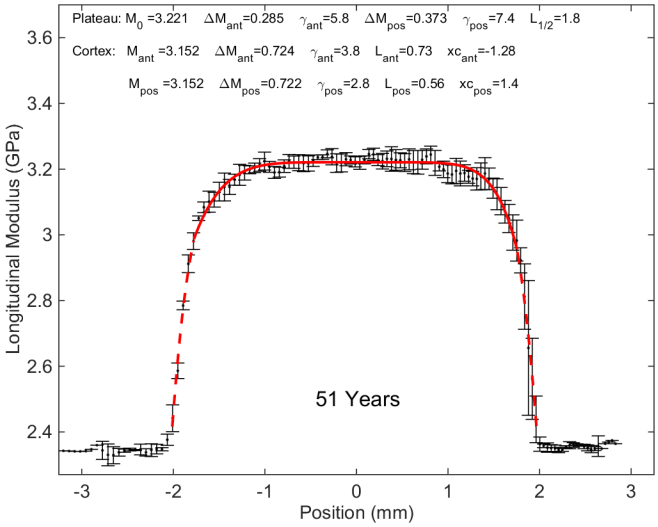

Plateau: M_0 =3.313 ΔM_{ant}=0.398 γ_{ant}=2.6 ΔM_{pos}=0.446 γ_{pos}=5.3 $L_{1/2}$=1.8
Cortex: M_{ant} =3.233 ΔM_{ant}=0.776 γ_{ant}=3.1 L_{ant}=1.3 xc_{ant}=-0.748
M_{pos} =3.225 ΔM_{pos}=0.76 γ_{pos}=3 L_{pos}=0.78 xc_{pos}=1.18
45 Years
Longitudinal Modulus (GPa)
Position (mm)

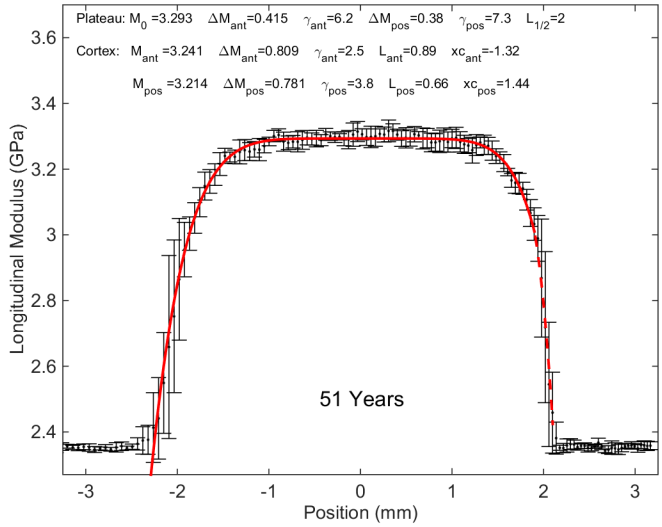

Plateau: M_0 =3.257 ΔM_{ant}=0.365 γ_{ant}=4.4 ΔM_{pos}=0.363 γ_{pos}=6.2 $L_{1/2}$=2
Cortex: M_{ant} =3.215 ΔM_{ant}=0.834 γ_{ant}=2.1 L_{ant}=1.3 xc_{ant}=-1.14
M_{pos} =3.2 ΔM_{pos}=0.837 γ_{pos}=2.4 L_{pos}=0.81 xc_{pos}=1.43
46 Years
Longitudinal Modulus (GPa)
Position (mm)

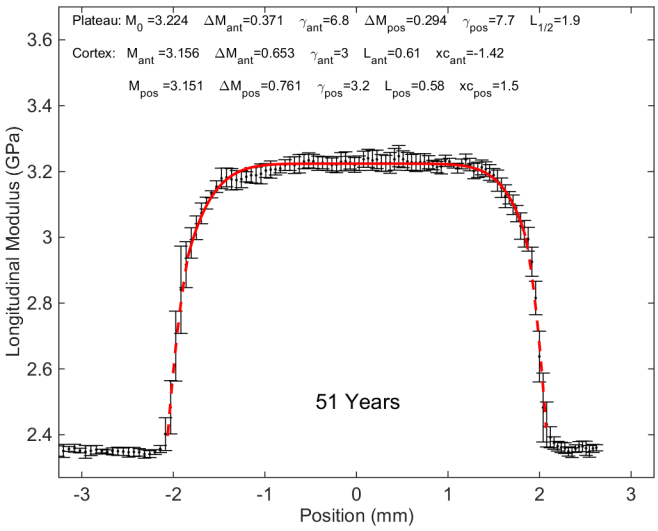

Plateau: M_0 =3.288 ΔM_{ant}=0.38 γ_{ant}=5.3 ΔM_{pos}=0.331 γ_{pos}=6.3 $L_{1/2}$=1.8
Cortex: M_{ant} =3.227 ΔM_{ant}=0.779 γ_{ant}=3.7 L_{ant}=0.93 xc_{ant}=-1.03
M_{pos} =3.214 ΔM_{pos}=0.816 γ_{pos}=3.1 L_{pos}=0.63 xc_{pos}=1.33
49 Years
Longitudinal Modulus (GPa)
Position (mm)

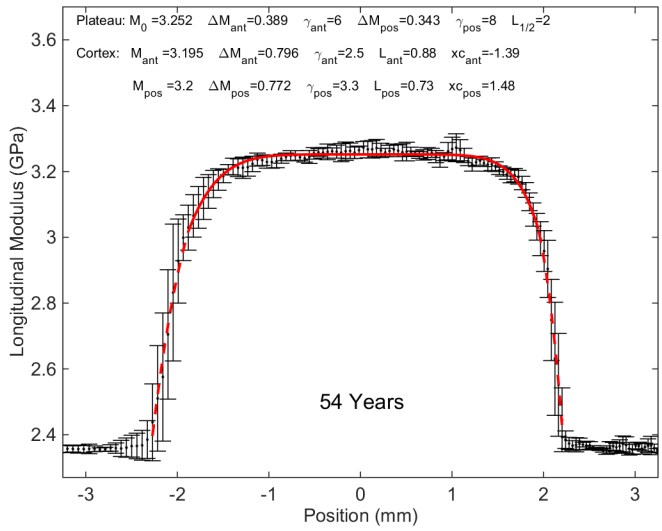

Plateau: M_0 =3.305 ΔM_{ant}=0.409 γ_{ant}=4 ΔM_{pos}=0.356 γ_{pos}=6.5 $L_{1/2}$=1.8
Cortex: M_{ant} =3.241 ΔM_{ant}=0.781 γ_{ant}=4.5 L_{ant}=1.3 xc_{ant}=-0.725
M_{pos} =3.223 ΔM_{pos}=0.587 γ_{pos}=3.9 L_{pos}=0.6 xc_{pos}=1.29
49 Years
Longitudinal Modulus (GPa)
Position (mm)

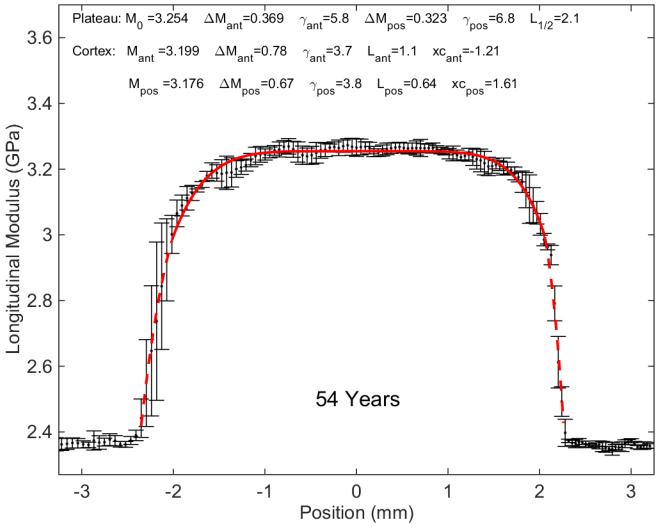

Plateau: M_0 =3.303 ΔM_{ant}=0.332 γ_{ant}=5.2 ΔM_{pos}=0.314 γ_{pos}=5.8 $L_{1/2}$=1.9
Cortex: M_{ant} =3.237 ΔM_{ant}=0.794 γ_{ant}=3.1 L_{ant}=0.87 xc_{ant}=-1.3
M_{pos} =3.245 ΔM_{pos}=0.845 γ_{pos}=3.8 L_{pos}=0.9 xc_{pos}=1.25
51 Years
Longitudinal Modulus (GPa)
Position (mm)

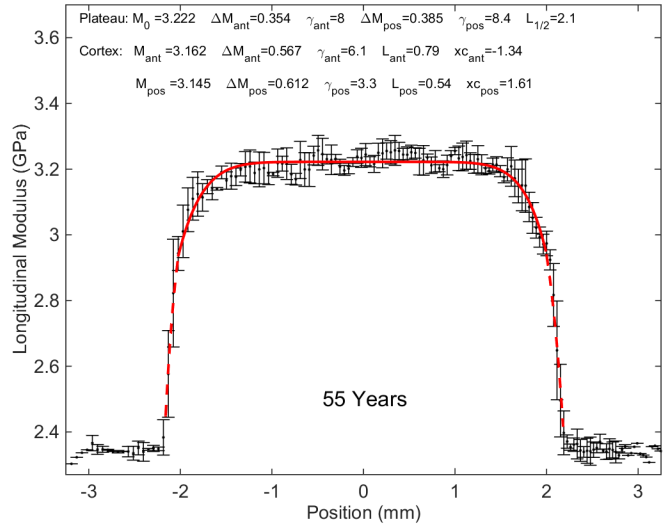

Plateau: M_0 =3.221 ΔM_{ant}=0.285 γ_{ant}=5.8 ΔM_{pos}=0.373 γ_{pos}=7.4 $L_{1/2}$=1.8
Cortex: M_{ant} =3.152 ΔM_{ant}=0.724 γ_{ant}=3.8 L_{ant}=0.73 xc_{ant}=-1.28
M_{pos} =3.152 ΔM_{pos}=0.722 γ_{pos}=2.8 L_{pos}=0.56 xc_{pos}=1.4
51 Years
Longitudinal Modulus (GPa)
Position (mm)

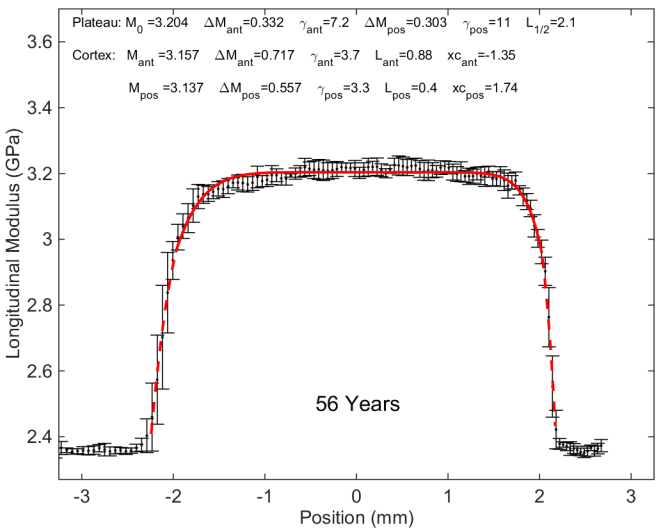

Plateau: M_0 =3.293 ΔM_{ant}=0.415 γ_{ant}=6.2 ΔM_{pos}=0.38 γ_{pos}=7.3 $L_{1/2}$=2
Cortex: M_{ant} =3.241 ΔM_{ant}=0.809 γ_{ant}=2.5 L_{ant}=0.89 xc_{ant}=-1.32
M_{pos} =3.214 ΔM_{pos}=0.781 γ_{pos}=3.8 L_{pos}=0.66 xc_{pos}=1.44
51 Years
Longitudinal Modulus (GPa)
Position (mm)

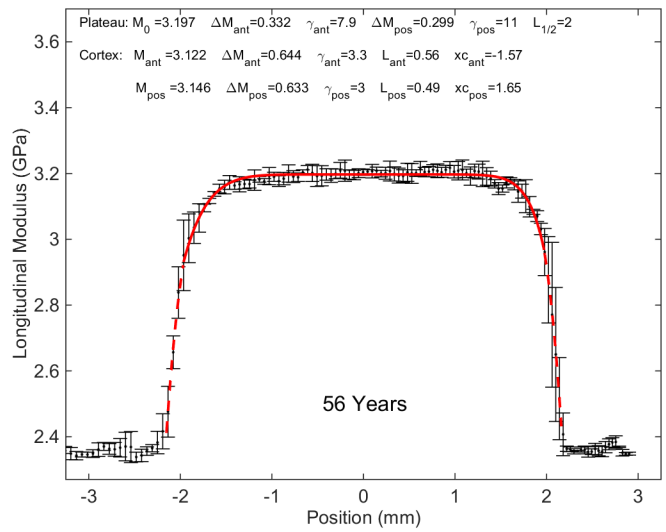

Plateau: M_0 =3.224 ΔM_{ant}=0.371 γ_{ant}=6.8 ΔM_{pos}=0.294 γ_{pos}=7.7 $L_{1/2}$=1.9
Cortex: M_{ant} =3.156 ΔM_{ant}=0.653 γ_{ant}=3 L_{ant}=0.61 xc_{ant}=-1.42
M_{pos} =3.151 ΔM_{pos}=0.761 γ_{pos}=3.2 L_{pos}=0.58 xc_{pos}=1.5
51 Years
Longitudinal Modulus (GPa)
Position (mm)

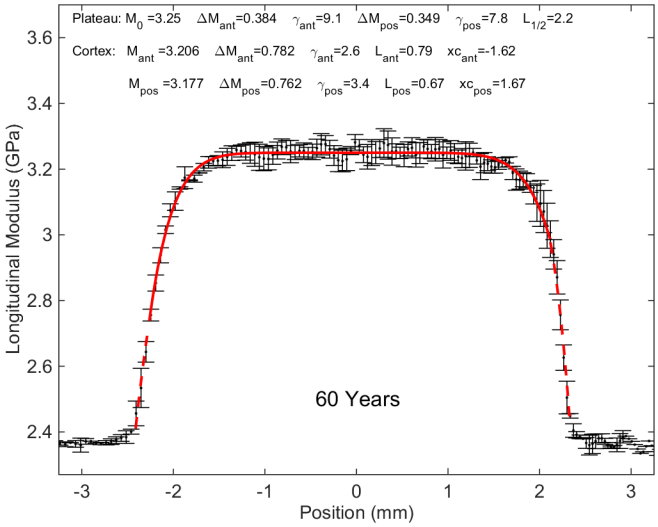

Plateau: M_0 =3.252 ΔM_{ant}=0.389 γ_{ant}=6 ΔM_{pos}=0.343 γ_{pos}=8 $L_{1/2}$=2
Cortex: M_{ant} =3.195 ΔM_{ant}=0.796 γ_{ant}=2.5 L_{ant}=0.88 xc_{ant}=-1.39
M_{pos} =3.2 ΔM_{pos}=0.772 γ_{pos}=3.3 L_{pos}=0.73 xc_{pos}=1.48
54 Years
Longitudinal Modulus (GPa)
Position (mm)

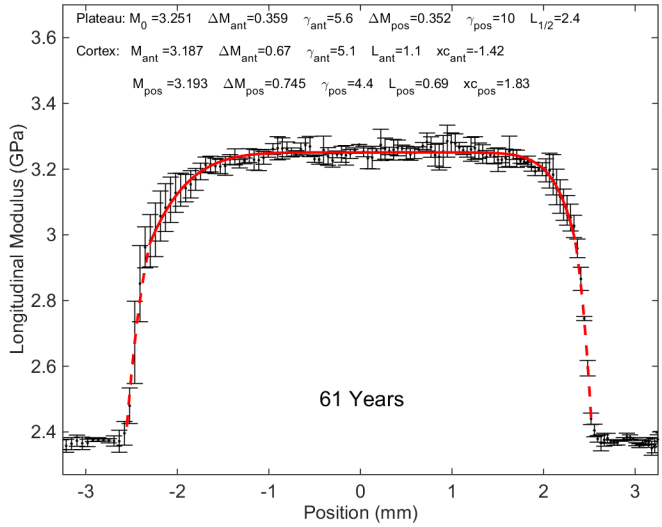

Plateau: M_0 =3.254 ΔM_{ant}=0.369 γ_{ant}=5.8 ΔM_{pos}=0.323 γ_{pos}=6.8 $L_{1/2}$=2.1
Cortex: M_{ant} =3.199 ΔM_{ant}=0.78 γ_{ant}=3.7 L_{ant}=1.1 xc_{ant}=-1.21
M_{pos} =3.176 ΔM_{pos}=0.67 γ_{pos}=3.8 L_{pos}=0.64 xc_{pos}=1.61
54 Years
Longitudinal Modulus (GPa)
Position (mm)

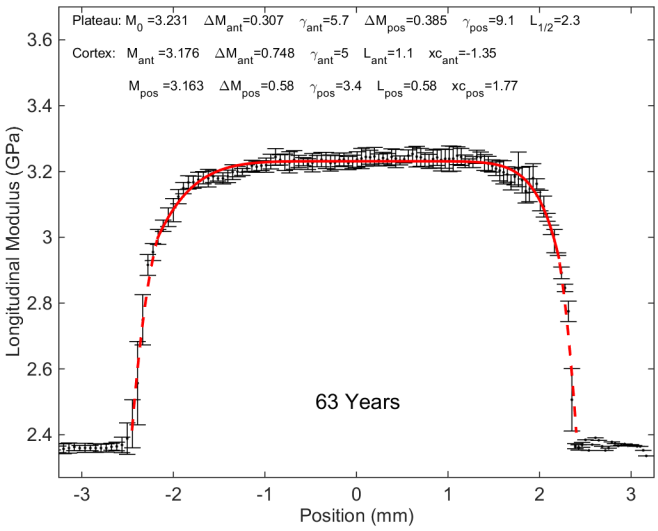

Plateau: M_0 =3.222 ΔM_{ant}=0.354 γ_{ant}=8 ΔM_{pos}=0.385 γ_{pos}=8.4 $L_{1/2}$=2.1
Cortex: M_{ant} =3.162 ΔM_{ant}=0.567 γ_{ant}=6.1 L_{ant}=0.79 xc_{ant}=-1.34
M_{pos} =3.145 ΔM_{pos}=0.612 γ_{pos}=3.3 L_{pos}=0.54 xc_{pos}=1.61
55 Years
Longitudinal Modulus (GPa)
Position (mm)

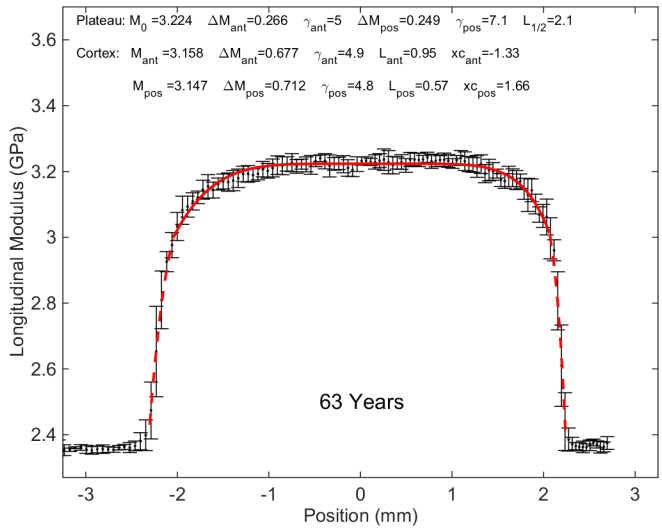

Plateau: M_0 =3.204 ΔM_{ant}=0.332 γ_{ant}=7.2 ΔM_{pos}=0.303 γ_{pos}=11 $L_{1/2}$=2.1
Cortex: M_{ant} =3.157 ΔM_{ant}=0.717 γ_{ant}=3.7 L_{ant}=0.88 xc_{ant}=-1.35
M_{pos} =3.137 ΔM_{pos}=0.557 γ_{pos}=3.3 L_{pos}=0.4 xc_{pos}=1.74
56 Years
Longitudinal Modulus (GPa)
Position (mm)


Plateau: M_0 =3.197 ΔM_{ant}=0.332 γ_{ant}=7.9 ΔM_{pos}=0.299 γ_{pos}=11 $L_{1/2}$=2
Cortex: M_{ant} =3.122 ΔM_{ant}=0.644 γ_{ant}=3.3 L_{ant}=0.56 xc_{ant}=-1.57
M_{pos} =3.146 ΔM_{pos}=0.633 γ_{pos}=3 L_{pos}=0.49 xc_{pos}=1.65
56 Years
Longitudinal Modulus (GPa)
Position (mm)


Plateau: M_0 =3.25 ΔM_{ant}=0.384 γ_{ant}=9.1 ΔM_{pos}=0.349 γ_{pos}=7.8 $L_{1/2}$=2.2
Cortex: M_{ant} =3.206 ΔM_{ant}=0.782 γ_{ant}=2.6 L_{ant}=0.79 xc_{ant}=-1.62
M_{pos} =3.177 ΔM_{pos}=0.762 γ_{pos}=3.4 L_{pos}=0.67 xc_{pos}=1.67
60 Years
Longitudinal Modulus (GPa)
Position (mm)


Plateau: M_0 =3.251 ΔM_{ant}=0.359 γ_{ant}=5.6 ΔM_{pos}=0.352 γ_{pos}=10 $L_{1/2}$=2.4
Cortex: M_{ant} =3.187 ΔM_{ant}=0.67 γ_{ant}=5.1 L_{ant}=1.1 xc_{ant}=-1.42
M_{pos} =3.193 ΔM_{pos}=0.745 γ_{pos}=4.4 L_{pos}=0.69 xc_{pos}=1.83
61 Years
Longitudinal Modulus (GPa)
Position (mm)


Plateau: M_0 =3.231 ΔM_{ant}=0.307 γ_{ant}=5.7 ΔM_{pos}=0.385 γ_{pos}=9.1 $L_{1/2}$=2.3
Cortex: M_{ant} =3.176 ΔM_{ant}=0.748 γ_{ant}=5 L_{ant}=1.1 xc_{ant}=-1.35
M_{pos} =3.163 ΔM_{pos}=0.58 γ_{pos}=3.4 L_{pos}=0.58 xc_{pos}=1.77
63 Years
Longitudinal Modulus (GPa)
Position (mm)


Plateau: M_0 =3.224 ΔM_{ant}=0.266 γ_{ant}=5 ΔM_{pos}=0.249 γ_{pos}=7.1 $L_{1/2}$=2.1
Cortex: M_{ant} =3.158 ΔM_{ant}=0.677 γ_{ant}=4.9 L_{ant}=0.95 xc_{ant}=-1.33
M_{pos} =3.147 ΔM_{pos}=0.712 γ_{pos}=4.8 L_{pos}=0.57 xc_{pos}=1.66
63 Years
Longitudinal Modulus (GPa)
Position (mm)