Supplementary Table 1. Experimental Group Sizes and Ages

ITP Study			
Total	**Control**	**ACA**	**NDGA Hi**
N=45	N=16	N=15	N=14
Mean Age (days)	1145	1159	1137
Std Dev (days)	76	90	105
Total	**Control**	**NDGA Mid**	
N=20	N=5	N=15	
Mean Age (days)	666	658	
Std Dev (days)	11	3	
Total	**17-α-Estradiol**	**Control**	
N=24	N=12	N=12	
Mean Age (days)	932	943	
Std Dev (days)	167	159	
Dwarf mice			
Total	**Dwarf**	**Control**	
N=42	N=20	N=22	
Mean Age (days)	426	422	
Std Dev (days)	12	24	
Total	**Dwarf**	**Control**	
N=34	N=16	N=18	
Mean Age (days)	757	715	
Std Dev (days)	13	53	

ITP, Interventions Testing Program; ACA, acarbose; NDGA, nordihydroguaiaretic acid.

Supplementary Table 2. ACS and Saf O Scores for the MTP and LTP in mice fed ACA, high-dose NDGA, mid-Dose NDGA, or control diet, 17-α-estradiol or control diet, and in dwarf mice and controls.

	Average Age = 1150 days			660 days	
	Control	ACA	NDGA Hi	Control	NDGA Mid
	N=16	N=15	N=14	N=5	N=15
ACS MTP					
Mean	6.1	3.7	4.6	5.2	5.1
Std Dev	5.8	5.1	5.3	5.9	5.7
ACS LTP					
Mean	0.9	0.5	1.5	4.6	3.3
Std Dev	1.3	0.5	2.1	5.9	3.4
SAF-O MTP					
Mean	6.8	5.5	6.4	6.4	7.3
Std Dev	5.6	4.9	4.9	5.8	4.7
SAF-O LTP					
Mean	3.1	2.6	3.3	8.2	5.4
Std Dev	3.3	2.1	3.1	3.8	4.0

Average Age = 950 days		
	17-α-Estradiol	Control
	N=12	N=12
ACS MTP		
Mean	4.9	2.4
Std Dev	5.9	3.7
ACS LTP		
Mean	2.2	2.8
Std Dev	3.1	3.5

Average Age = 450 days			750 days	
	Dwarf	Control	Dwarf	Control
	N=20	N=22	N=16	N=18
ACS MTP				
Mean	0.4	2.6	0.4	2.2
Std Dev	1.6	3.4	1.0	2.9
SAF-O MTP				
Mean	1.5	3.4	1.1	3.1
Std Dev	2.5	4.0	2.0	4.2

ACS, articular cartilage score; Saf-O, Safranin-O score; MTP, medial tibial plateau; LTP, lateral tibial plateau; ACA, acarbose; NDGA, nordihydroguaiaretic acid;.