Supplement 1for Figure 5

Group	Adjusted P Value	Summary
NORMAL:RIGHT vs. NORMAL:LEFT	>0.9999	
NON-Dox:RIGHT vs. NON-Dox:LEFT	<0.0001	**
Dox-1:RIGHT vs. Dox-1:LEFT	0.0174	*
Dox-2:RIGHT vs. Dox-2:LEFT	0.0127	*
Dox-3:RIGHT vs. Dox-3:LEFT	0.0286	*
NORMAL:RIGHT vs. NON-Dox:RIGHT	<0.0001	**
NORMAL:RIGHT vs. Dox-1:RIGHT	0.0007	**
NORMAL:RIGHT vs. Dox-2:RIGHT	0.0108	*
NORMAL:RIGHT vs. Dox-3:RIGHT	0.0013	*
NON-Dox:RIGHT vs. Dox-1:RIGHT	0.9997	
NON-Dox:RIGHT vs. Dox-2:RIGHT	0.8102	
NON-Dox:RIGHT vs. Dox-3:RIGHT	0.9971	
Dox-1:RIGHT vs. Dox-2:RIGHT	>0.9999	
Dox-1:RIGHT vs. Dox-3:RIGHT	>0.9999	
Dox-2:RIGHT vs. Dox-3:RIGHT	>0.9999	

Fig 5A 3D Toe Spread

Group	Adjusted P Value	Summary
NORMAL:RIGHT vs. NORMAL:LEFT	>0.9999	
NON-Dox:RIGHT vs. NON-Dox:LEFT	0.9183	
Dox-1:RIGHT vs. Dox-1:LEFT	>0.9999	
Dox-2:RIGHT vs. Dox-2:LEFT	>0.9999	
Dox-3:RIGHT vs. Dox-3:LEFT	>0.9999	
NORMAL:RIGHT vs. NON-Dox:RIGHT	0.0008	**
NORMAL:RIGHT vs. Dox-1:RIGHT	0.263	
NORMAL:RIGHT vs. Dox-2:RIGHT	0.0076	*
NORMAL:RIGHT vs. Dox-3:RIGHT	<0.0001	**
NON-Dox:RIGHT vs. Dox-1:RIGHT	<0.0001	**
NON-Dox:RIGHT vs. Dox-2:RIGHT	<0.0001	**
NON-Dox:RIGHT vs. Dox-3:RIGHT	<0.0001	**
Dox-1:RIGHT vs. Dox-2:RIGHT	>0.9999	
Dox-1:RIGHT vs. Dox-3:RIGHT	>0.9999	
Dox-2:RIGHT vs. Dox-3:RIGHT	>0.9999	

Fig 5B 14D Foot Length

Group	Adjusted P Value	Summary
NORMAL:RIGHT vs. NORMAL:LEFT	>0.9999	
NON-Dox:RIGHT vs. NON-Dox:LEFT	>0.9999	
Dox-1:RIGHT vs. Dox-1:LEFT	>0.9999	
Dox-2:RIGHT vs. Dox-2:LEFT	>0.9999	
Dox-3:RIGHT vs. Dox-3:LEFT	0.9992	
NORMAL:RIGHT vs. NON-Dox:RIGHT	0.1328	
NORMAL:RIGHT vs. Dox-1:RIGHT	>0.9999	
NORMAL:RIGHT vs. Dox-2:RIGHT	>0.9999	
NORMAL:RIGHT vs. Dox-3:RIGHT	>0.9999	
NON-Dox:RIGHT vs. Dox-1:RIGHT	0.7655	
NON-Dox:RIGHT vs. Dox-2:RIGHT	0.028	*
NON-Dox:RIGHT vs. Dox-3:RIGHT	0.9883	
Dox-1:RIGHT vs. Dox-2:RIGHT	>0.9999	
Dox-1:RIGHT vs. Dox-3:RIGHT	>0.9999	
Dox-2:RIGHT vs. Dox-3:RIGHT	0.9953	

Fig 5C 28D Toe Spread

Supplement 2 for Figure 6

Group	Sub-Group	Adjusted P Value	Summary
Anterior	Non-Dox vs. Dox-1	0.7643	
	Non-Dox vs. Dox-2	0.999	
	Non-Dox vs. Dox-3	0.7517	
	Dox-1 vs. Dox-2	0.8366	
	Dox-1 vs. Dox-3	>0.9999	
	Dox-2 vs. Dox-3	0.8256	
Posterior	Non-Dox vs. Dox-1	0.9282	
	Non-Dox vs. Dox-2	0.9993	
	Non-Dox vs. Dox-3	0.865	
	Dox-1 vs. Dox-2	0.9623	
	Dox-1 vs. Dox-3	0.5194	
	Dox-2 vs. Dox-3	0.8039	
Sum	Non-Dox vs. Dox-1	0.8572	
	Non-Dox vs. Dox-2	0.9991	
	Non-Dox vs. Dox-3	0.9995	
	Dox-1 vs. Dox-2	0.9112	
	Dox-1 vs. Dox-3	0.9034	
	Dox-2 vs. Dox-3	>0.9999	

Fig 6F Femur OARSI Score

Group	Sub-Group	Adjusted P Value	Summary
Anterior	Non-Dox vs. Dox-1	>0.9999	
	Non-Dox vs. Dox-2	>0.9999	
	Non-Dox vs. Dox-3	>0.9999	
	Dox-1 vs. Dox-2	>0.9999	
	Dox-1 vs. Dox-3	>0.9999	
	Dox-2 vs. Dox-3	>0.9999	
Posterior	Non-Dox vs. Dox-1	0.9728	
	Non-Dox vs. Dox-2	0.0469	*
	Non-Dox vs. Dox-3	0.723	
	Dox-1 vs. Dox-2	0.5325	
	Dox-1 vs. Dox-3	>0.9999	
	Dox-2 vs. Dox-3	0.8968	
Sum	Non-Dox vs. Dox-1	>0.9999	
	Non-Dox vs. Dox-2	>0.9999	
	Non-Dox vs. Dox-3	>0.9999	
	Dox-1 vs. Dox-2	>0.9999	
	Dox-1 vs. Dox-3	>0.9999	
	Dox-2 vs. Dox-3	>0.9999	

Fig 6G Tibia OARSI Score

Supplement 3 for Figure 7

Group	Adjusted P Value	Summary
Non-Dox vs. Dox-1	0.0275	*
Non-Dox vs. Dox-2	0.0342	*
Non-Dox vs. Dox-3	0.0431	*
Dox-1 vs. Dox-2	0.6782	
Dox-1 vs. Dox-3	0.4456	
Dox-2 vs. Dox-3	0.9582	

Supplement 4 for Figure 8

Group	Adjusted P Value	Summary
Anterior:Non-Dox vs. Anterior:Dox-1	>0.9999	
Anterior:Non-Dox vs. Anterior:Dox-2	>0.9999	
Anterior:Non-Dox vs. Anterior:Dox-3	0.8056	
Anterior:Dox-1 vs. Anterior:Dox-2	>0.9999	
Anterior:Dox-1 vs. Anterior:Dox-3	0.9673	
Anterior:Dox-2 vs. Anterior:Dox-3	0.8553	
Posterior:Non-Dox vs. Posterior:Dox-1	>0.9999	
Posterior:Non-Dox vs. Posterior:Dox-2	0.9969	
Posterior:Non-Dox vs. Posterior:Dox-3	0.9139	
Posterior:Dox-1 vs. Posterior:Dox-2	>0.9999	
Posterior:Dox-1 vs. Posterior:Dox-3	0.9921	
Posterior:Dox-2 vs. Posterior:Dox-3	>0.9999	
Sum:Non-Dox vs. Sum:Dox-1	>0.9999	
Sum:Non-Dox vs. Sum:Dox-2	>0.9999	
Sum:Non-Dox vs. Sum:Dox-3	0.4698	
Sum:Dox-1 vs. Sum:Dox-2	>0.9999	
Sum:Dox-1 vs. Sum:Dox-3	0.4969	
Sum:Dox-2 vs. Sum:Dox-3	0.1819	

Fig 8C Femur MMP-13 Positive cells

Group	Adjusted P Value	Summary
Anterior:Non-Dox vs. Anterior:Dox-1	>0.9999	
Anterior:Non-Dox vs. Anterior:Dox-2	>0.9999	
Anterior:Non-Dox vs. Anterior:Dox-3	0.1356	
Anterior:Dox-1 vs. Anterior:Dox-2	0.9874	
Anterior:Dox-1 vs. Anterior:Dox-3	0.0473	*
Anterior:Dox-2 vs. Anterior:Dox-3	0.3184	
Posterior:Non-Dox vs. Posterior:Dox-1	0.9764	
Posterior:Non-Dox vs. Posterior:Dox-2	0.7453	
Posterior:Non-Dox vs. Posterior:Dox-3	0.0105	*
Posterior:Dox-1 vs. Posterior:Dox-2	>0.9999	
Posterior:Dox-1 vs. Posterior:Dox-3	0.1035	
Posterior:Dox-2 vs. Posterior:Dox-3	0.2373	
Sum:Non-Dox vs. Sum:Dox-1	>0.9999	
Sum:Non-Dox vs. Sum:Dox-2	>0.9999	
Sum:Non-Dox vs. Sum:Dox-3	0.0409	*
Sum:Dox-1 vs. Sum:Dox-2	>0.9999	
Sum:Dox-1 vs. Sum:Dox-3	0.0551	
Sum:Dox-2 vs. Sum:Dox-3	0.0519	

Fig 8D Tibia MMP-13 Positive cells