

Supplementary Table 1: Table summarizing statistical significance of all measured gait parameters for all mice before vs. after preconditioning.

Gait Parameter	Day -15 vs -8	Day -8 vs -1	Day -15 vs -1
% Swing Stride	0.17	0.03	0.64
% Brake Stride	0.28	0.30	0.79
% Propel Stride	0.99	0.88	0.93
% Stance Stride	0.09	0.01	0.50
% Brake Stance	0.14	0.13	0.66
% Propel Stance	0.37	0.26	0.52
Stance/Swing (real number)	0.15	0.01	0.57
Stride Length	0.10	0.19	0.99
Stride Frequency	0.54	0.33	0.75
Absolute Paw Angle	0.08	0.17	0.64
Stance Width	0.009	0.99	0.03
Step Angle	0.14	0.41	0.93
Hindlimb Shared Stance Time	0.51	0.02	0.08
% Shared Stance	0.79	0.05	0.13
Stance Factor	0.45	0.76	0.91
Gait Symmetry	0.61	0.42	0.95
Max dA/dT	0.06	0.69	0.09
Min dA/dT	0.63	1.00	0.84
Tau Propulsion	0.59	0.67	0.73
Overlap Distance	0.04	0.59	0.69
Paw Placement Positioning	0.23	0.99	0.24
Ataxia Coefficient	0.94	0.97	1.00
Midline Distance	0.71	0.89	0.60
Axis Distance (absolute value)	0.05	0.79	0.06
Paw Drag (real number)	0.84	0.01	0.002