

Figure S1. Western blot analyses of pAMPK/AMPK, DRP-1 and OPA-1. Protein expression of pAMPK/AMPK (A), DRP-1 (B) and OPA1 (C) in quadriceps of *ApoE*^{-/-} mice fed HFHC and HFHC plus atorvastatin. Actin was used as a housekeeping. Proteins were extracted from 20 mg of tissue and Western blots analyses have been performed on 9 quadriceps in each group. AMPK, serine/threonine kinase AMP-activated protein kinase; DRP-1, dynamin related protein 1; HFHC, high-fat high cholesterol; OPA1, Optic atrophy 1. kDa, kilodalton; Control, high-fat high cholesterol diet; Atorva, high-fat high cholesterol diet plus atorvastatin.

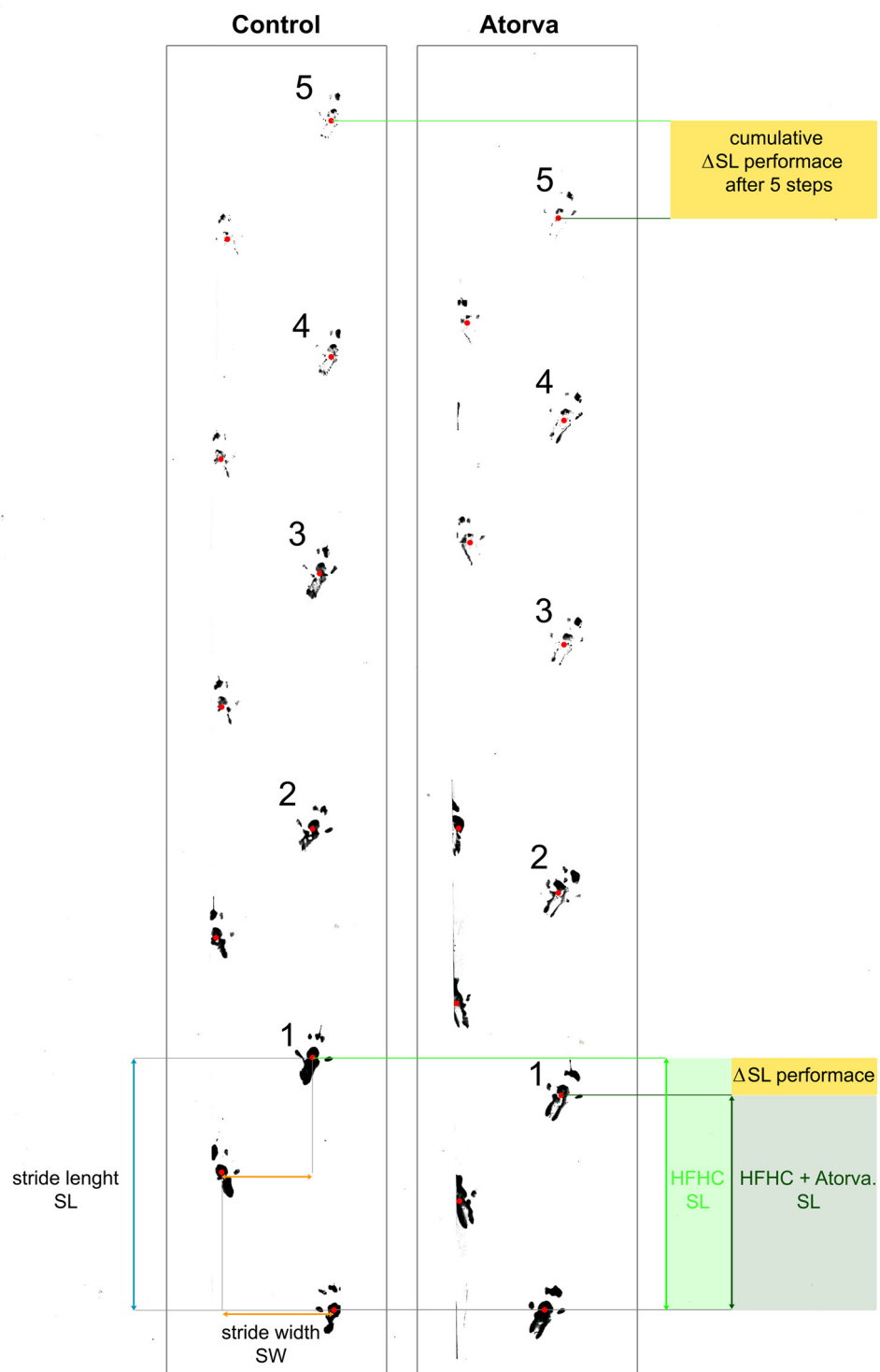


Figure S2. Walking analysis.

Table S1. Diet composition.



D12079B and D19031901

Formulated by:
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March 2019

RD Western Diet to Match TD.88137

Product #	D12079B		D19031901	
			Matching 88137	
%	gm	kcal	gm	kcal
Protein	20	17	20	17
Carbohydrate	50	43	50	43
Fat	21	40	21	40
Total		100		100
kcal/gm	4.7		4.7	
Ingredient	gm	kcal	gm	kcal
Casein	195	780	195	780
DL-Methionine	3	12	3	12
Corn Starch	50	200	150	600
Maltodextrin 10	100	400	0	0
Sucrose	341	1364	341.46	1365.84
Cellulose, BW200	50	0	50	0
Milk Fat, Anhydrous	200	1800	210	1890
Corn Oil	10	90	0	0
Ethoxyquin	0.04	0	0.04	0
Mineral Mix S10001	35	0	35	0
Calcium Carbonate	4	0	4	0
Vitamin Mix V10001	10	40	10	40
Choline Bitartrate	2	0	2	0
Cholesterol	1.5	0	1.5	0
GSKG	0	0	0	0
FD&C Yellow Dye #5	0	0	0	0
FD&C Red Dye #40	0	0	0.05	0
FD&C Blue Dye #41	0	0	0	0
Total	1001.54	4686	1002.05	4688

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