

Fig 1A		HFD	1.83	1.69	2	1.63	1.54	1.72	1.4	1.68
Serum TG	HFD+CLA	0.9	1.25	1.31	1.66	1.41	1.15	1.47	1.32	

Fig 1B		HFD	0.0703	0.0675	0.029	0.0543	0.0332	0.094	0.0358	0.084
Lipids in feces	HFD+CLA	0.0652	0.0755	0.0877	0.0489	0.1201	0.1452	0.0935	0.1159	

Fig 1C		HFD								
Serum TG	2 h	2.49	2.31	2.29	2.19	2.62	2.12	2.11	2.37	
	4 h	3.64	3.61	3.33	3.11	3.39	3.46	3.42	3.57	
	6 h	3.63	3.36	3.62	3.37	3.35	3.57	3.26	3.26	

		HFD+CLA								
	2 h	2.29	2.14	2.15	2.4	2.09	1.47	1.93	1.65	
	4 h	3.45	3.32	3.31	3.28	3.1	2.7	3.22	2.31	
	6 h	3.13	3.21	3.15	3.12	3.2	2.78	3.21	3.35	

Fig 1E

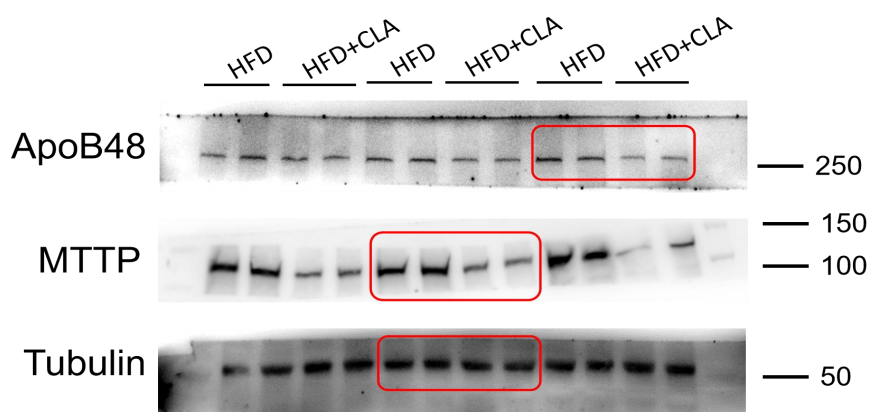


Fig 1F

		HFD					
ApoB48		1.11308	1.23988	0.78391	0.87661	1.13131	0.85518
MTTP		1.21674	0.95975	0.84213	0.89626	1.14922	0.9359

		HFD+CLA					
ApoB48		0.71204	0.6853	0.77836	0.9059	0.5375	0.55413
MTTP		0.2046	0.24671	0.28986	0.30293	0.14238	0.17584

Fig 2A	PA	33513	34783	43645	36068	31618	33265
Fluorescence value	PA+c9,t11-CLA	25632	26135	30758	28306	27428	28875
	PA+t10,c12-CLA	31025	36197	36676	41146	44092	33444

Fig 2C	PA	0.1	0.089	0.134	0.076	0.097	0.12	0.069	0.15
TG	PA+c9,t11-CLA	0.078	0.082	0.061	0.058	0.067	0.083	0.051	0.073
	PA+t10,c12-CLA	0.16	0.057	0.098	0.088	0.13	0.14	0.086	0.073

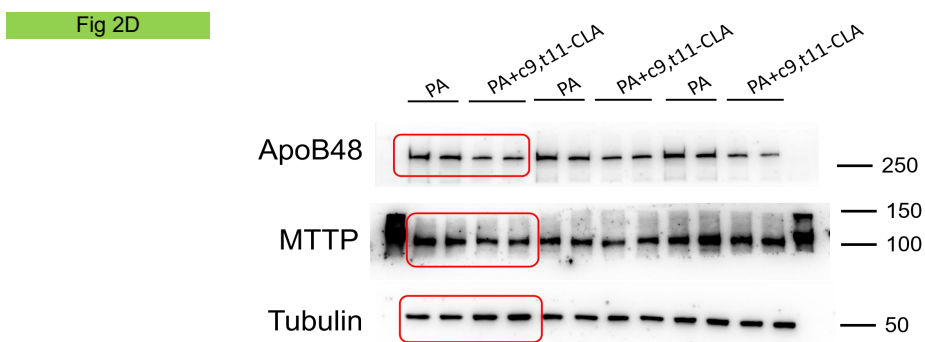


Fig 2E	PA						
	ApoB48	1.1	0.76	1.29	1.19	0.87	0.79
	MTTP	1.31191	0.91546	0.93973	0.79134	0.8345	1.20701
	PA+c9,t11-CLA						
	ApoB48	0.22	0.29	0.36	0.47	0.27	0.12
	MTTP	0.43328	0.40809	0.46739	0.81203	1.1195	0.76714

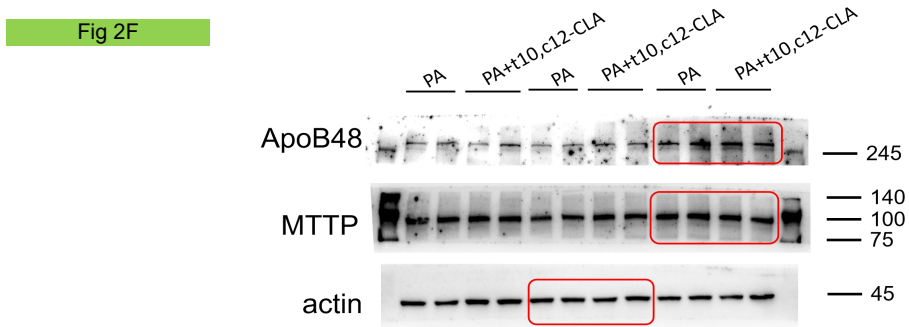


Fig 2G	PA						
	ApoB48	0.47	0.65	0.42	0.56	1.51	2.4
	MTTP	0.88891	1.17408	0.57361	0.84138	1.31562	1.20683
	PA+t10,c12-CLA						
	ApoB48	0.26	0.52	1.18	0.72	2.7	1.23
	MTTP	0.81942	0.78575	1.18769	0.84148	1.4626	0.72875

Fig 3B

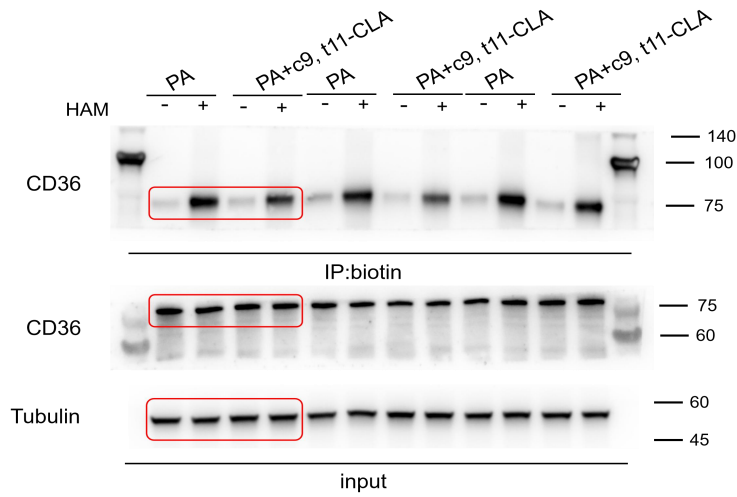


Fig 3C

PA	0.84638	0.7679	1.38561
PA+c9,t11-CLA	0.26365	0.29108	0.58009

Fig 3D

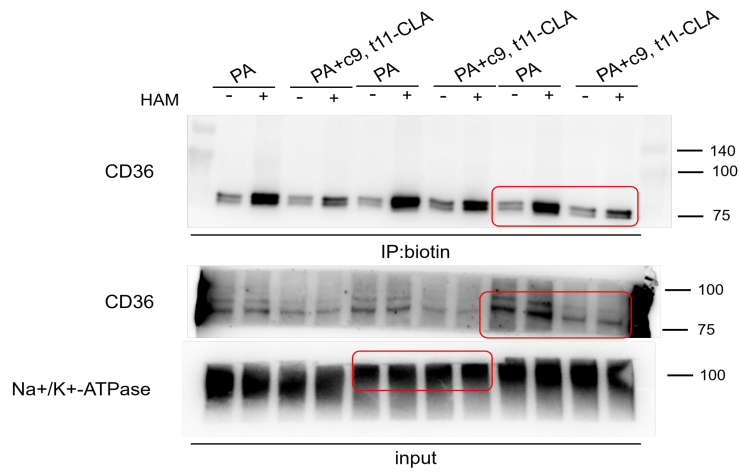


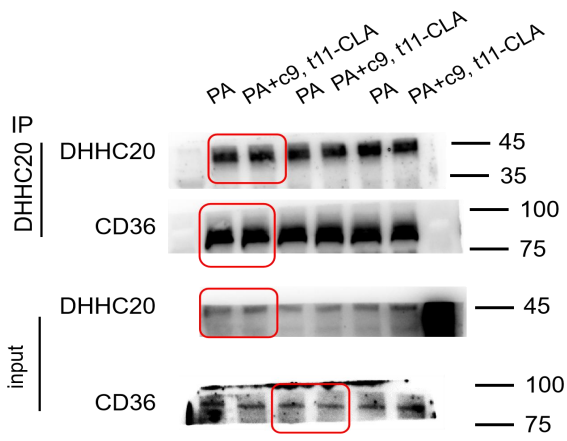
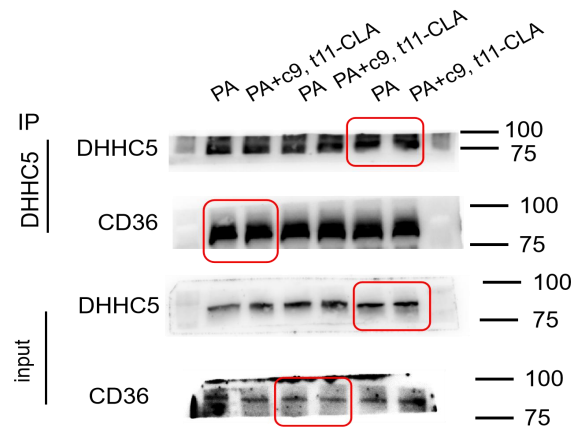
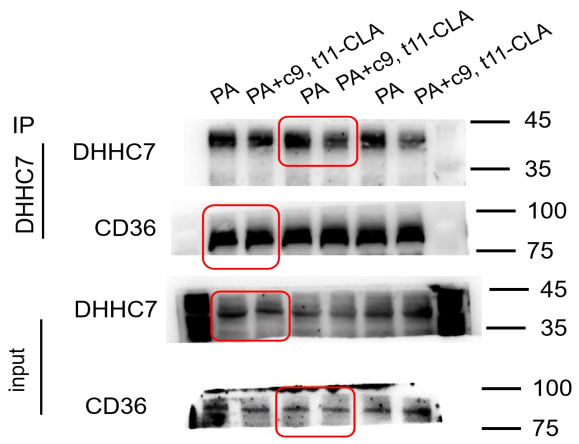
Fig 3E

PA	0.9826	0.89129	1.12681
PA+c9,t11-CLA	0.2917	0.65871	0.62533

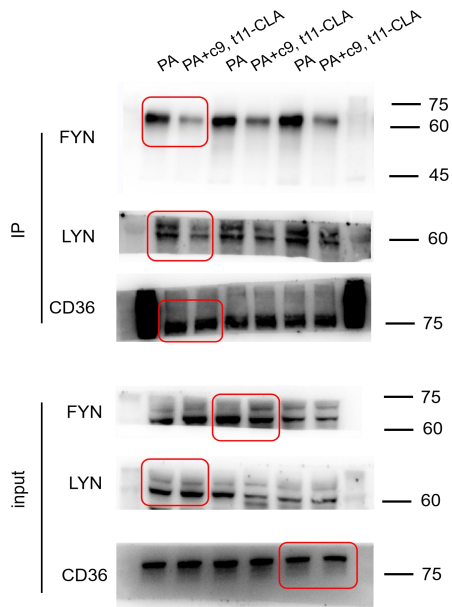
Fig 4A	PA							
DHHC1	0.83397	0.93932	2.29304	0.7273	1.05084	0.77839	0.73894	0.67987
DHHC2	0.81035	0.76655	2.23099	0.65185	0.92784	0.91547	0.89722	0.63798
DHHC3	0.86544	0.78798	2.21372	0.65905	0.94783	0.94342	0.84631	0.74053
DHHC4	0.54554	0.79129	2.22471	0.6573	1.03223	1.0037	0.98573	0.80885
DHHC5	1.593	0.607	0.5649	0.355	0.747	2.008	1.125	
DHHC6	0.61397	0.59224	1.52184	0.57351	0.98074	1.32045	1.33974	1.05418
DHHC7	1.032	1.842	0.561	0.48	1.334	0.751		
DHHC8	1.511	0.643	0.613	0.316	0.719	1.947	1.25	
DHHC9	0.74631	0.71437	1.85037	0.54115	0.78899	1.19001	1.14146	1.02271
DHHC11	0.66775	0.369	2.15118	0.39872	0.93015	1.24272	1.20555	1.04674
DHHC12	0.87647	0.77908	1.97871	0.67809	0.89994	0.98648	0.9139	0.8876
DHHC13	0.69572	0.67398	1.58361	0.78008	1.21465	1.05402		
DHHC14	0.041	2.034	0.193	0.123	0.247	3.371		
DHHC15	0.63748	0.76736	1.6813	0.52566	0.63618	1.28917	1.23753	1.2323
DHHC16	0.65874	0.72615	1.81798	0.54661	0.79932	1.56436	1.06547	0.82307
DHHC17	0.79492	0.71496	2.2061	0.33361	1.00816	1.07097	0.92525	
DHHC18	0.8213	0.6266	2.03751	0.64231	0.98168	0.97521	1.06091	0.87093
DHHC19	0.067	1.588	0.642	0.487	0.3	0.302	2.932	1.694
DHHC20	1.292	0.609	0.669	0.306	0.749	2.103	1.273	
DHHC21	0.7712	0.87316	2.06532	0.71185	0.65383	0.95167	1.07509	0.90903
DHHC22	0.75589	0.96258	3.03616	0.86449	1.03976	0.30744	0.37318	0.65926
DHHC23	0.78858	0.69201	2.0779	0.66419	1.04153	0.89667	1.00442	0.83455
DHHC24	0.35491	0.79795	2.09771	0.62797	0.9605	1.00832	1.2372	0.9165

	PA+c9,t11-CLA							
DHHC1	0.89521	0.71597	0.82219	0.90188	0.78312	0.95288	1.02255	0.87716
DHHC2	1.07995	0.63284	0.8477	0.85971	0.61261	1.30278	1.16611	1.07366
DHHC3	1.45298	0.99836	1.0032	1.03462	1.4088	1.33273	1.18912	0.64563
DHHC4	1.21813	0.81034	0.7217	1.3181	1.07412	1.56548	1.55943	1.20622
DHHC5	0.313	0.257	0.288	0.297	0.786	0.541		
DHHC6	1.54192	1.20355	1.55892	1.7708	1.66859	1.11994	0.99101	0.95159
DHHC7	0.405	0.346	0.379	0.251	0.484	0.387		
DHHC8	0.846	0.831	1.003	0.721	1.782	1.503		
DHHC9	1.46623	1.04689	1.00665	1.35965	0.97715	1.29883	1.34974	1.34672
DHHC11	1.56811	0.83153	1.14984	1.24735	1.08744	1.67752	1.42311	1.34521
DHHC12	1.41637	0.9284	0.9705	1.041	0.89606	1.29151	0.60926	1.00919
DHHC13	1.69391	1.14719	1.22735	1.41335	1.2174	1.17385	1.1995	1.15851
DHHC14	0.449	0.356	0.297	0.162	2.273	2.001	0.773	
DHHC15	1.09948	1.45053	1.22068	1.13914	1.75164	1.56669	1.3472	
DHHC16	1.40447	0.99099	1.18343	1.17952	1.02728	1.42327	1.4883	1.38363
DHHC17	1.9776	1.04007	1.2779	1.4064	1.07577	1.49137	1.81552	0.8457
DHHC18	1.81853	1.33358	1.38955	1.53766	1.07542	1.49862	1.31481	0.0214
DHHC19	0.742	0.394	0.847	0.451	1.119	3.902	0.831	
DHHC20	0.394	0.258	0.242	0.225	0.805	0.507		
DHHC21	1.04645	1.38662	1.3659	1.1519	1.29586	1.55671	1.58719	0.46326
DHHC22	0.912	0.94631	1.04056	1.23599	1.00051	1.71749	1.4347	0.65732
DHHC23	1.27216	0.86225	1.09155	1.12419	1.02275	1.38442	1.58447	
DHHC24	1.24227	0.80293	0.98289	1.04155	0.81796	1.5549	1.63234	3.4013

Fig 4B



**Fig 5A**



**Fig 5B**

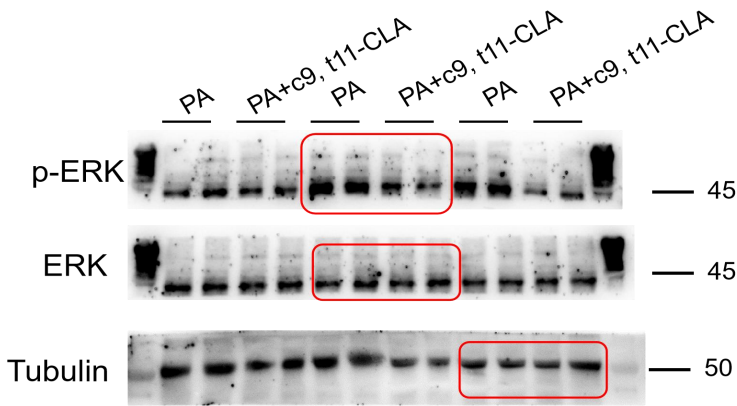
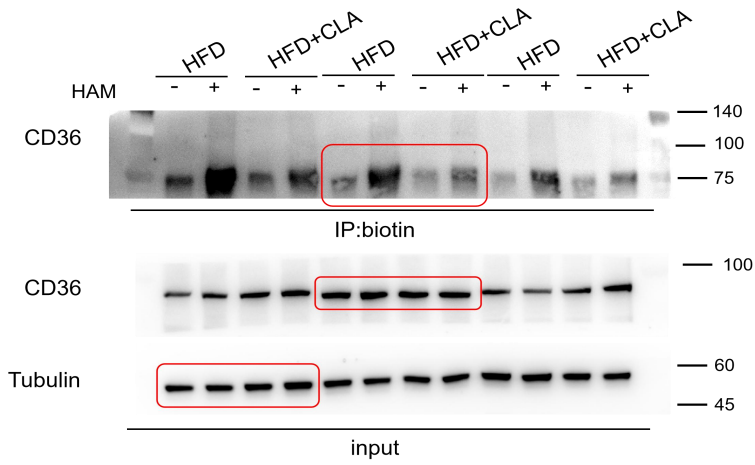


Fig 5C	PA	0.35	0.68	1.63	0.89	1.24	1.21
	PA+c9, t11-CLA	0.46	0.47	0.94	0.36	0.19	0.27

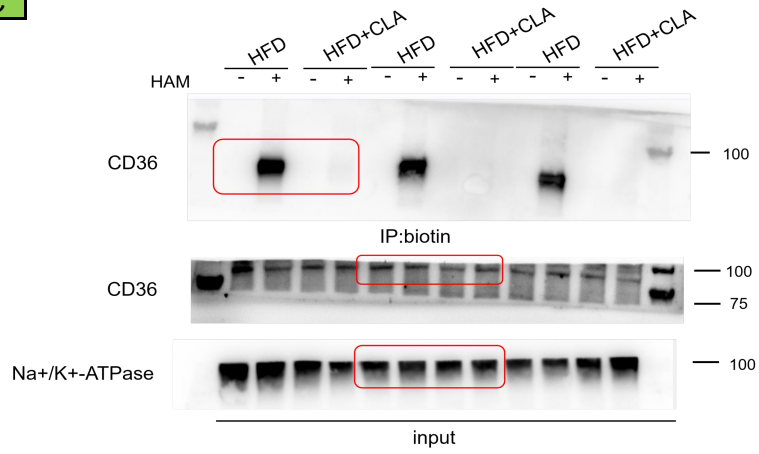
**Fig 6A**



**Fig 6B**

HFD	1.24205	0.48188	1.28209
HFD+CLA	0.16486	0.15685	0.12514

**Fig 6C**



**Fig 6D**

HFD	1.15746	1.24727	0.5955
HFD+CLA	0.01793	0.03958	0.0284

Fig 6E	HFD							
DHHC1	1.14050289	1.9445	1.00522	0.96846	1.20968	0.88149	0.53878	0.35832
DHHC2	0.77462532	1.10419	1.17883	1.12728	1.30361	1.14971	0.85656	0.52716
DHHC3	0.94656699	1.15185	0.98396	1.07254	1.19665	1.28219	0.82856	0.54666
DHHC4	0.85223241	1.22813	1.1904	1.17362	1.19184	1.09912	0.7391	0.55745
DHHC5	1.17430245	1.23527	0.80144	1.10412	1.20931	1.23567	0.78531	0.461
DHHC6	0.82902699	1.11531	1.1842	1.03236	1.28987	1.13025	0.91509	0.50713
DHHC7	0.96	1.333	1.00818	1.01574	0.91065	1.34332	0.81789	0.65849
DHHC8	0.926	1.032	0.99	1.163	1.46	0.896	0.544	
DHHC9	0.88725632	1.187	1.19101	1.13182	1.35209	1.05856	0.73911	0.48056
DHHC11	0.25335841	1.04656	0.92676	0.89824	0.97974	1.89299	1.18628	0.86188
DHHC12	0.77601709	1.15386	0.90032	1.09742	1.57543	1.3185	0.83673	0.56382
DHHC13	0.71983967	1.04844	1.20643	1.46147	1.2289	0.84943	0.51497	
DHHC14	0.88212127	1.11771	1.21696	1.09612	1.3135	1.0379	0.811	0.585
DHHC15	0.92496622	1.45935	0.98816	0.94743	1.26	1.27673	0.7496	0.45484
DHHC16	0.9393558	1.20013	1.09572	1.08427	1.27831	1.1656	0.75741	0.48145
DHHC17	1.00646643	1.49969	1.29672	1.05741	1.24889	1.14772	0.42087	0.33382
DHHC18	0.96688534	1.39831	1.33385	0.84774	1.22898	1.10325	0.62297	0.52564
DHHC19	0.118	0.141	0.154	1.402	1.621	1.338	2.081	1.214
DHHC20	0.917	1.738	1.046	0.747	1.092	1.013	1.077	0.43
DHHC21	0.9241166	1.19375	1.16003	1.13009	1.20965	1.18568	0.71052	0.50086
DHHC22	0.18691053	0.27737	0.26721	1.393	1.75209	1.43844	1.71755	0.98101
DHHC23	0.86521692	1.26416	1.3076	1.16667	1.32618	0.99519	0.64319	0.45081
DHHC24	0.83685263	1.36214	0.9467	0.87559	1.21859	1.35838	0.8511	0.57447

	HFD+CLA							
DHHC1	0.70896091	1.44234	1.2725	2.25653	2.36846	0.69075	0.79515	0.83259
DHHC2	0.81798358	1.16564	0.94145	1.47139	1.41775	1.06821	1.17617	1.37181
DHHC3	0.68206404	1.10487	0.75146	1.48595	1.47549	0.92021	1.12536	1.33853
DHHC4	0.71140948	1.08657	1.21543	1.85781	1.86024	1.1337	1.05465	1.50036
DHHC5	0.2532431	0.39644	0.34898	0.60334	0.52956	0.31302	0.34805	0.33622
DHHC6	0.80141364	1.46709	0.89297	1.7986	1.59028	1.13744	1.23984	1.34653
DHHC7	0.24648022	0.30257	0.28499	0.40871	0.46222	0.22062	0.19479	0.25741
DHHC8	0.641	1.147	1.16184	1.7114	1.90354	1.31083	1.42212	
DHHC9	0.62666624	1.13686	1.20338	1.80252	2.31361	0.88426	0.97727	1.23115
DHHC11	0.39864819	0.88142	0.326	0.24345	0.57065	1.16879	1.64989	1.40448
DHHC12	0.8335608	1.88022	0.90217	1.37944	1.47648	1.13915	1.21074	1.47093
DHHC13	0.76247554	1.44996	1.38649	2.20074	2.34384	0.71353	0.84005	0.98281
DHHC14	0.545	0.839	1.174	1.15877	1.81135	1.2022	1.22466	1.3179
DHHC15	2.53633156	4.67724	0.57065	1.37029	0.96081	0.97897	1.08359	1.44656
DHHC16	0.52611059	0.94663	0.9648	1.36952	1.83551	1.13974	1.23399	1.41506
DHHC17	0.59127226	1.3275	1.17401	1.76925	1.59893	0.84528	0.9129	1.09795
DHHC18	0.34080544	0.97974	0.6119	1.74854	1.78785	0.83655	1.3012	3.42E-03
DHHC19	2.68	4.13483	5.41034	1.11579	1.07055	0.54557	0.09415	0.14858
DHHC20	0.29393857	0.45229	0.44915	0.79142	0.70464	0.35358	0.35733	0.38439
DHHC21	0.64025999	1.17273	1.06389	1.66583	1.89748	0.92171	1.04305	1.08933
DHHC22	1.69716471	2.952	3.39019	1.15931	1.50924	0.57957	0.23944	0.27573
DHHC23	0.66728107	1.36593	1.39609	2.06684	1.8697	0.81866	0.84705	1.10121
DHHC24	0.70163938	1.35334	1.16126	1.90472	1.95556	1.11972	1.25476	1.40637



Fig 6F

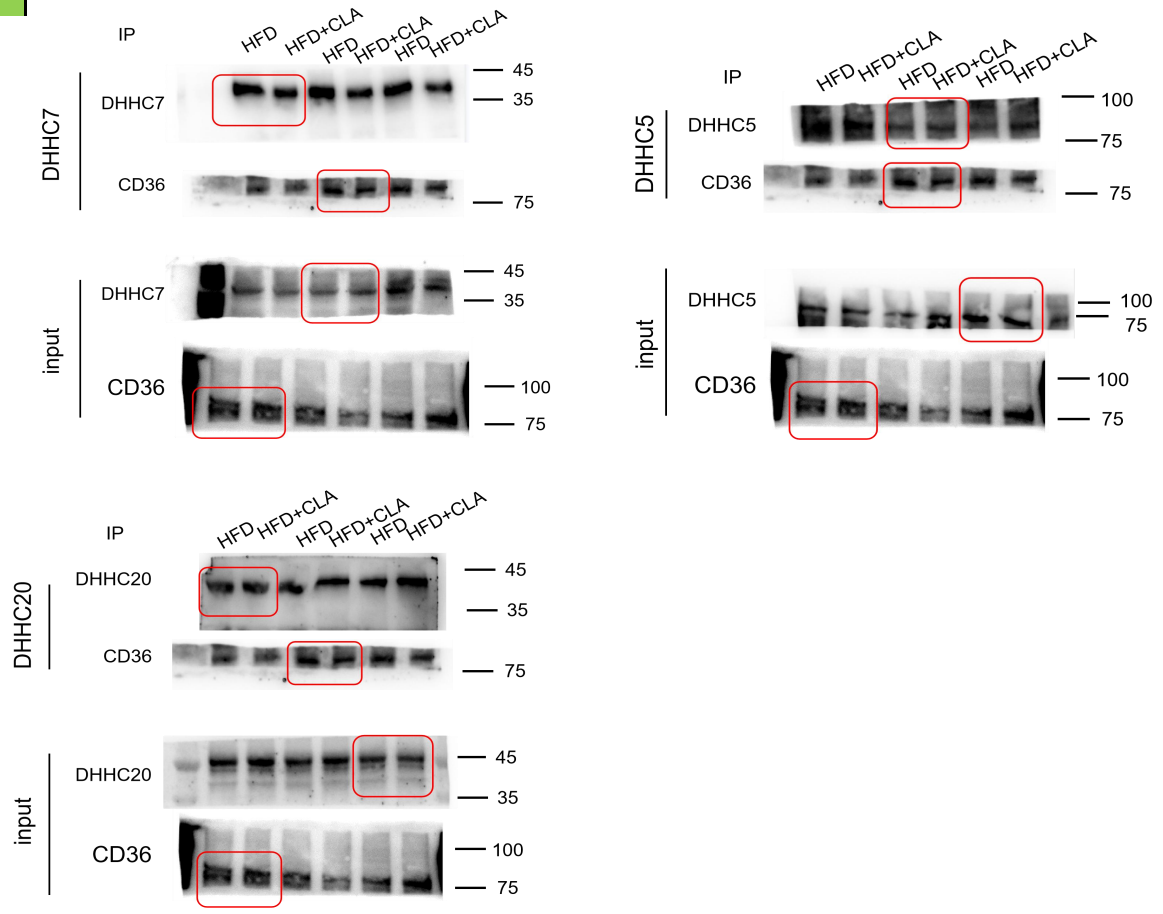


Fig 6G

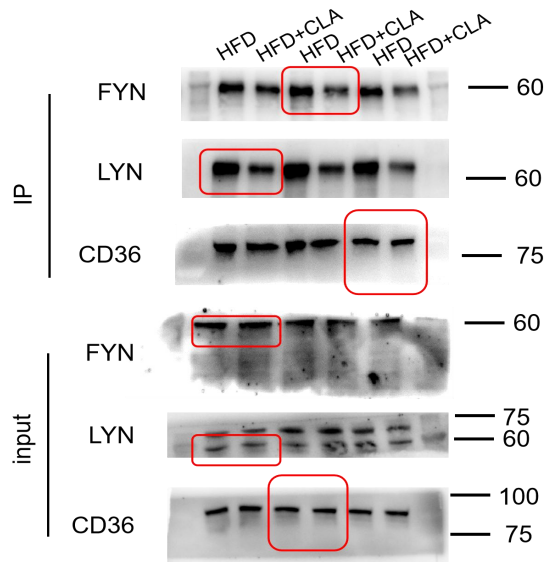


Fig 6H

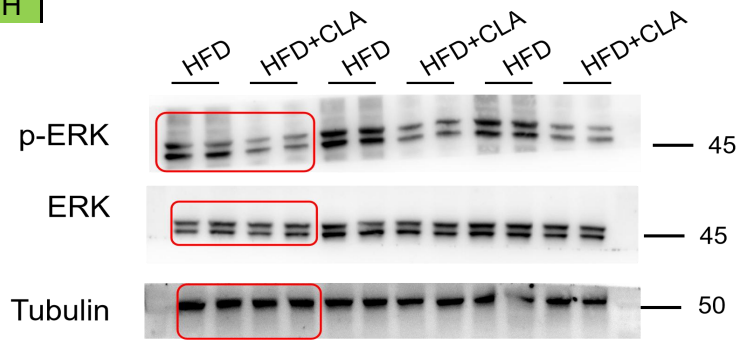


Fig 6I

HFD	1.18	1.14	1.19	1.16	0.71	0.62
HFD+CLA	0.28	0.51	0.44	0.51	0.37	0.35

FS1 A	HFD	15.5	14.8	16.7	13.9	15.4	16.1	17.2	15.3
	HFD+CLA	16.6	16.9	18.2	13.7	15.5	15.7	16.2	15.4

FS1 B	HFD	37.5	34.4	32.03	36.1	36.7	35.23	34.68	43.88
	HFD+CLA	30.2	27.9	32.1	26.5	24.3	26.1	30.5	28.6

FS1 C	HFD	25.3	29.8	33.4	27.5	32.1	37.6	35.8	45.7
	HFD+CLA	12.2	16.8	15.1	22.7	14.5	24.9	20.7	18.7

FS1 D		HFD							
	iWAT	1.49465	4.66176	3.29784	3.47067	2.98982	5.52529	4.46443	3.786
	vWAT	2.89773	5.69385	5.82111	4.39587	6.17612	4.31504	7.17928	4.352

		HFD+CLA						
	0.76573	0.66923	0.92928	0.78876	1.00612	1.42441	0.57097	0.64458
	0.93271	1.73413	1.79435	3.93175	1.77065	3.93008	4.27197	3.21014