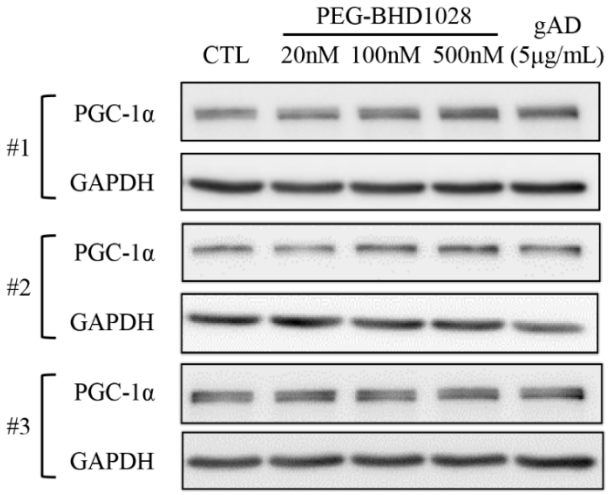
Supplemental Figures and Tables



Intensity of western blot band						
Experiments		CTL	PEG-BHD1028 (20nM)	PEG-BHD1028 (100nM)	PEG-BHD1028 (500nM)	gAD (5μg/mL)
#1	PGC-1α	1	1.166	1.332	1.789	1.854
	GAPDH	1	0.887	0.947	0.976	0.980
	PGC-1α /GAPDH	1	1.315	1.407	1.833	1.892
#2	PGC-1α	1	0.881	1.367	1.607	1.393
	GAPDH	1	1.011	1.042	1.049	0.799
	PGC-1α /GAPDH	1	0.871	1.312	1.532	1.743
#3	PGC-1α	1	1.160	1.215	1.413	1.609
	GAPDH	1	1.051	1.057	1.055	1.141
	PGC-1α /GAPDH	1	1.104	1.149	1.339	1.410
Relative intensity of PGC-1α		1	1.097	1.289	1.568	1.682

Figure 1. Western blots and band densities of PGC-1α presented in Figure 5 A and C. Western blot was performed through three independent experiments, and each band densities were quantified as a ratio to GAPDH.

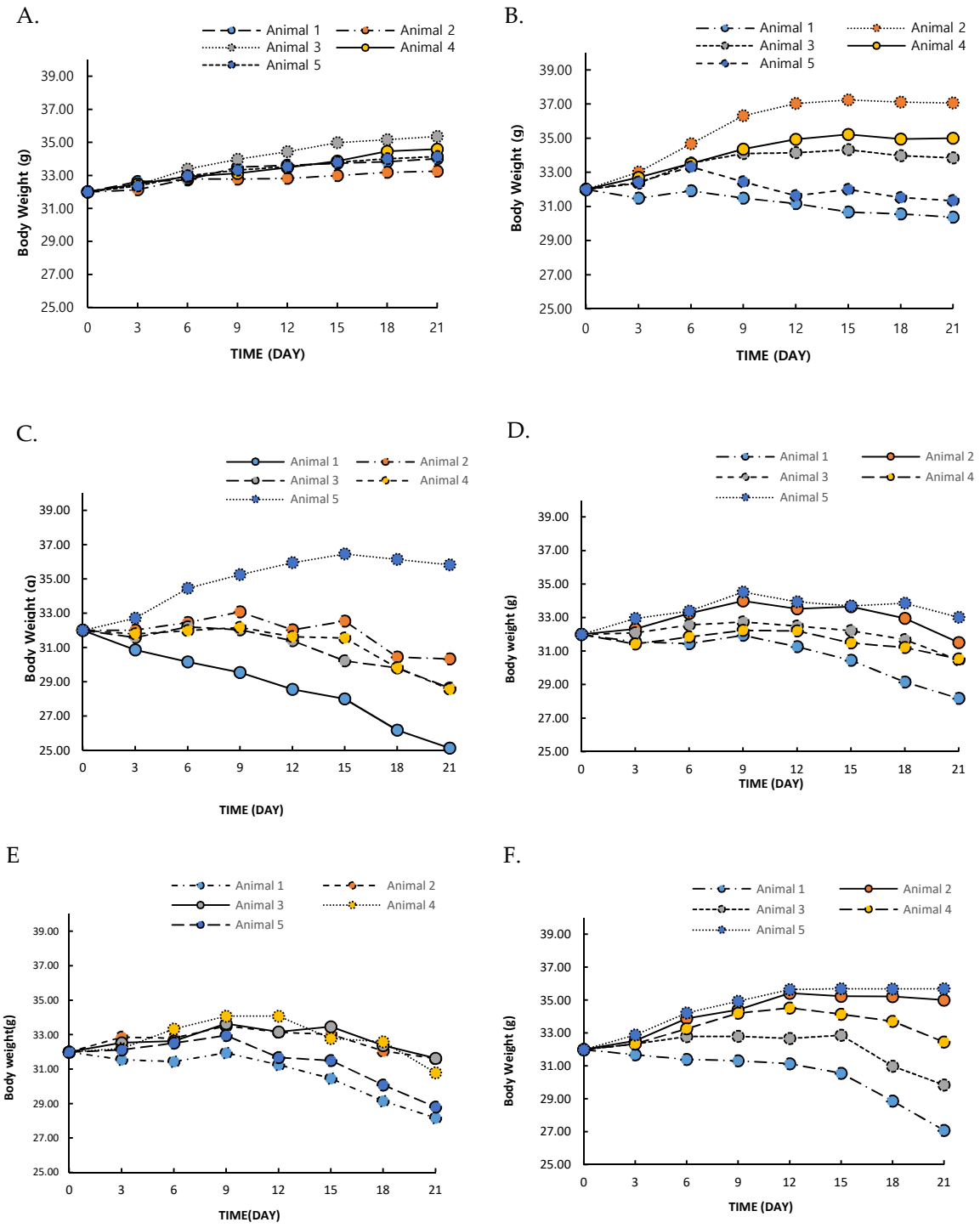


Figure 2. Weight changes of each animal per group during the testing period (21 days). A. vehicle group, B. 1 μg/Kg group, C. 5 μg/Kg group, D. 25 μg/Kg group, E. 50 μg/Kg group, and F. 200 μg/Kg group. Each data point was normalized at 32 g.

Table 1. Average food consumption during the testing period (n = 5 per group). Each data point represents the mean food consumption of five animals ± S.E.

Day / Group	1	3	6	9	12	15	18	21	Ave.
Vehicle (g)	5.70 ±0.49	9.09 ± 0.33	9.23 ±0.53	9.86 ±0.37	9.84 ±0.26	9.33 ±0.64	8.58 ±0.71	8.98 ±0.74	8.83 ±0.51
PEG-BHD1028 1 μg/Kg (g)	5.46 ±0.22	8.52 ±0.34	9.00 ±0.14	8.89 ±0.99	8.98 ±0.60	8.58 ±0.42	7.73 ±0.14	8.48 ±0.58	8.21 ±0.43
PEG-BHD1028 5 μg/Kg (g)	5.76 ±0.30	7.67 ±0.73	7.35 ±0.72	8.31 ±0.51	7.99 ±0.42	7.99 ±0.59	6.96 ±0.54	8.09 ±0.66	7.51 ±0.56
PEG-BHD1028 25 μg/Kg (g)	5.71 ±0.31	9.08 ±0.90	9.70 ±0.65	9.39 ±0.34	8.68 ±0.55	7.97 ±0.43	7.94 ±0.31	8.92 ±0.36	8.42 ±0.48
PEG-BHD1028 50 μg/Kg (g)	5.71 ±0.44	8.45 ±0.24	9.00 ±0.37	9.35 ±0.48	9.81 ±0.43	9.45 ±0.31	7.92 ±0.41	8.55 ±0.30	8.53 ±0.37
PEG-BHD1028 200 μg/Kg (g)	5.34 ±0.24	8.11 ±0.66	8.42 ±0.62	8.82 ±0.53	9.52 ±0.52	7.75 ±0.35	7.46 ±0.15	7.63 ±0.10	7.88 ±0.40