

Supplemental Table 3 Energy and nutrient intakes from food records according to diet groups and genotypes^a

	All		<i>DHCR7</i> rs12785878						<i>CYP2R1</i> rs10741657						<i>GC</i> rs2282679					
			TT		TG		GG		GG		GA		AA		AA		AC		CC	
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High
Low-fat vs. High-fat diet groups																				
Total energy (kcal/d)																				
Baseline	1937.2 9 ± 541.19	1995.9 6 ± 597.01	1998.3 ± 550.86	1958.8 ± 538.24	1927.7 ± 492.58	2033.1 9 ± 594.1	1879.4 9 ± 670.61	1924.0 4 ± 732.39	1888.6 6 ± 536.87	1974.2 2 ± 598.41	2004.8 ± 537.06	1987.3 3 ± 547.96	2003.9 7 ± 541.63	2021.1 5 ± 661.21	1929.9 9 ± 578.66	2005.2 4 ± 604.43	1948.5 5 ± 479.14	1954.4 3 ± 586.13	2116.9 2 ± 467.1	1980.4 4 ± 360.02
6 month	1604.7 9 ± 526.4	1616.1 4 ± 489.91	1648.5 1 ± 621.56	1633.9 6 ± 508.8	1528.1 9 ± 408.17	1644.5 9 ± 482.56	1695.0 1 ± 561.49	1617.5 1 ± 555.42	1583.2 7 ± 439.89	1595.8 3 ± 553.63	1692.0 8 ± 611.65	1666.9 7 ± 444.52	1344.6 9 ± 369.03	1664.8 6 ± 549.01 *	1625.3 2 ± 609.01	1624.9 8 ± 491.9	1571.3 4 ± 447.81	1675.9 5 ± 530.76	1709.9 8 ± 369.13	1520.0 2 ± 424.3
2 years	1545.3 2 ± 468.91	1469.7 5 ± 483.74	1575.1 7 ± 474.97	1495.3 3 ± 389.32	1514.2 2 ± 418.32	1535.3 7 ± 663.03	1929.7 4 ± 658.41	1239.8 4 ± 200.2 *	1567.7 3 ± 446.97	1263.9 ± 271.92 *	1637.1 5 ± 459.18	1647.2 5 ± 587.67	1343.1 9 ± 564.77	1375.5 4 ± 374.32	1569.5 3 ± 473.54	1410.1 1 ± 507.77	1447.2 1 ± 415.55	1558.4 3 ± 490.19	1790.1 2 ± 527.16	1435.7 9 ± 437.23
Fat (% of energy)																				
Baseline	36.71 ± 6.18	37.17 ± 5.71	36.89 ± 6.2	37.36 ± 5.36	36.62 ± 6.2	37.01 ± 6.48	35.86 ± 6.69	37.65 ± 5.66	37.46 ± 6.46	37.15 ± 5.57	36.2 ± 6.42	37.32 ± 5.58	36.44 ± 4.04	37.29 ± 7.15	36.18 ± 6.5	37.07 ± 5.44	37.1 ± 6.1	37.47 ± 6.65	37.9 ± 5.47	36.97 ± 3.09
6 month	26.05 ± 7.45	34.08 ± 7.26 *	25.17 ± 7.08	33.99 ± 6.93 *	27.19 ± 8.16	34.12 ± 7.22 *	26.4 ± 6.12	33.78 ± 8.1 *	25.67 ± 7.35	34.06 ± 6.17 *	27.08 ± 7.38	34.7 ± 7.93 *	22.97 ± 7.59	33.11 ± 6.83 *	26.06 ± 7.88	33.41 ± 6.92 *	26.52 ± 6.75	35.44 ± 7.08 *	25.67 ± 7.05	32.38 ± 7.29 *
2 years	27.45 ± 8.05	34.16 ± 7.64 *	26.19 ± 7.75	35.93 ± 6.57 *	28.67 ± 7.96	32.92 ± 6.88 *	29.48 ± 8.96	30.33 ± 12.96	29.15 ± 9.27	33.06 ± 8.83	26.85 ± 7.41	34.69 ± 7.73 *	26.02 ± 6.6	35.59 ± 5.63 *	26.67 ± 7.02	33.77 ± 6.86 *	27.02 ± 7.87	35.03 ± 8.79 *	31.25 ± 10.59	33.82 ± 7.43
Carbohydrate (% of energy)																				
Baseline	45.28 ± 7.67	44.37 ± 7.45	44.77 ± 8.03	43.3 ± 7.1	45.12 ± 7.72	45.15 ± 8.08	47.27 ± 7.22	43.53 ± 7.54	44.38 ± 8.25	44.31 ± 7.36	45.55 ± 7.79	43.88 ± 7.31	47.06 ± 6.44	44.37 ± 8.68	45.55 ± 7.97	44.56 ± 7.43	45.55 ± 7.67	43.76 ± 7.64	43 ± 7.63	42.8 ± 7.16
6 month	55.5 ± 10.12	45.99 ± 8.23 *	56.1 ± 9.51	45.21 ± 7.92 *	54.33 ± 11.59	47.02 ± 8.94 *	54.71 ± 8.41	46.6 ± 7.94 *	56.28 ± 10.61	45.82 ± 7.25 *	53.71 ± 9.83	45.04 ± 8.9 *	59.56 ± 10.35	48.96 ± 8.66 *	55 ± 10.64	47.15 ± 8.31 *	54.52 ± 9.38	45.07 ± 8.25 *	57.88 ± 9.69	42.61 ± 7.07 *
2 years	52.25 ± 10.13	45.88 ± 9.62 *	52.94 ± 10.54	44.24 ± 8.48 *	51.25 ± 10.06	46.63 ± 8.89	52.29 ± 7.96	51.39 ± 16.4	50.73 ± 10.22	48.23 ± 10.03	52.42 ± 9.92	45.08 ± 10.74 *	54.84 ± 10.85	43.41 ± 6.39 *	52.8 ± 10.56	46.02 ± 9.36 *	53.25 ± 8.05	45.78 ± 10.7 *	48.29 ± 11.35	45.43 ± 9.83
Protein (% of energy)																				
Baseline	18.03 ± 3.54	18.09 ± 3.14	18.04 ± 3.87	18.07 ± 3.12	18.39 ± 3.31	18.24 ± 3.6	17.32 ± 3.35	18.86 ± 2.19	18.01 ± 3.7	18.48 ± 2.7	18.21 ± 3.44	17.88 ± 3.61	16.98 ± 2.85	18.03 ± 3.04	18.11 ± 3.47	18.34 ± 2.99	17.98 ± 3.44	18.01 ± 3.22	17.95 ± 3.9	17.81 ± 4.63
6 month	19.62 ± 4.13	20.52 ± 4.89	19.55 ± 3.88	21.03 ± 4.94 *	19.84 ± 4.54	19.96 ± 4.75	20.43 ± 3.87	19.72 ± 5.61	19.69 ± 4.38	21 ± 5.04	19.66 ± 4.13	20.07 ± 4.27	20.31 ± 3.39	19.76 ± 5.96	19.73 ± 3.73	20.25 ± 4.98	20.35 ± 4.75	19.94 ± 4.53	18.54 ± 3	24.28 ± 5.41 *
2 years	20.16 ± 4.01	20.36 ± 5.24	20.4 ± 4.04	19.75 ± 4.59	19.69 ± 3.76	21.83 ± 6.07	19.86 ± 4.17	17.83 ± 4.08	20.7 ± 3.67	19.84 ± 5.44	19.9 ± 4.08	20.17 ± 4.8	18.8 ± 3.84	21.52 ± 6.18	20.02 ± 4.05	20.79 ± 5.54	20.09 ± 4.19	19.72 ± 5.21	19.88 ± 3.12	19.96 ± 3.33
Low-protein vs. High-protein diet groups																				
Total energy (kcal/d)																				

Baseline	2013.8 7 ± 552.38	1919.1 ± 584.04	1984.0 8 ± 546.22	1971.7 1 ± 543.15	1995.0 8 ± 541.56	1958.7 ± 548.32	2157.4 4 ± 613.7	1581.0 6 ± 666.89 *	1895.3 4 ± 520.81	1969.1 7 ± 612.83	2131.9 9 ± 539.79	1868.9 5 ± 512.07 *	1939.5 1 ± 623.36	2149.7 8 ± 585.78	1997.0 9 ± 572.04	1935.0 1 ± 612.4	2002.5 7 ± 561.02	1907.6 2 ± 518.42	2088.0 4 ± 441.54	2037.1 4 ± 427.86
6 month	1621.9 9 ± 490.13	1598.8 1 ± 526.4	1617.6 6 ± 493.09	1661.2 2 ± 621.64	1610.2 1 ± 482.88	1550.1 3 ± 404.35	1776.6 3 ± 568.4	1449.5 8 ± 472.82	1643.7 9 ± 527.29	1543.6 6 ± 474.25	1672.8 1 ± 479.85	1688.7 ± 599.48	1534.6 2 ± 512.65	1531.7 2 ± 506.84	1591.7 9 ± 497.48	1663.4 7 ± 614.71	1704.9 7 ± 526.97	1565.0 3 ± 462.17	1735.0 8 ± 353.65	1520.2 5 ± 423.36
2 years	1526.4 8 ± 501.95	1490.9 8 ± 448.88	1500.5 8 ± 406.85	1568.0 1 ± 459.09	1570.7 9 ± 594.02	1470.8 5 ± 453.03	1669.2 7 ± 667.67	1377.6 1 ± 386.11	1353.8 5 ± 324.84	1474.6 ± 446.9	1718.7 9 ± 569.9	1557.2 ± 449.79	1342.2 2 ± 435.18	1410.5 3 ± 563.35	1471.6 4 ± 490.07	1531.5 7 ± 499.91	1625.6 3 ± 511.2	1419.5 5 ± 398.51	1613.5 5 ± 628.25	1749.9 6 ± 336.91
Fat (% of energy)																				
Baseline	37.08 ± 5.93	36.79 ± 5.98	37.93 ± 5.81	36.39 ± 5.65	36.07 ± 6.2	37.57 ± 6.38	37.33 ± 5.67	35.98 ± 6.9	37.44 ± 6.04	37.17 ± 5.97	36.91 ± 5.77	36.52 ± 6.36	37.23 ± 6.73	36.49 ± 4.97	36.87 ± 5.92	36.35 ± 6.11	37.14 ± 6.42	37.45 ± 6.4	38.19 ± 5.12	36.71 ± 4.09
6 month	29.92 ± 8.34	30.12 ± 8.43	29.13 ± 8.01	30.26 ± 8.49	30.13 ± 9.15	30.5 ± 7.75	31.46 ± 7.74	28.04 ± 8.36	29.46 ± 8.05	30.45 ± 7.88	30.83 ± 8.58	30.26 ± 8.48	28.85 ± 8.72	29.12 ± 8.92	29.5 ± 8.42	29.64 ± 8.17	31.17 ± 8.55	31.5 ± 7.99	29.74 ± 7.04	27.41 ± 8.57
2 years	29.76 ± 8.71	31.59 ± 8.27	30.44 ± 9.14	31.91 ± 8.18	29.26 ± 7.41	31.75 ± 8.06	30.31 ± 12.04	29.51 ± 10.54	30.14 ± 9.7	31.62 ± 8.91	28.95 ± 8.47	32.18 ± 8.27	32 ± 8.16	28.96 ± 6.28	29.56 ± 7.27	30.14 ± 8.41	30.85 ± 10.43	32.59 ± 8.23	29.5 ± 10.62	35.58 ± 6.98
Carbohydrate (% of energy)																				
Baseline	44.55 ± 7.56	45.1 ± 7.58	43 ± 7	44.94 ± 7.99	45.79 ± 8.26	44.45 ± 7.42	44.31 ± 6.87	46.86 ± 8.25	43.57 ± 7.59	45.06 ± 7.91	44.72 ± 7.49	44.86 ± 7.74	44.74 ± 8.5	46.56 ± 6.9	44.69 ± 7.77	45.46 ± 7.66	44.71 ± 7.37	44.44 ± 7.98	41.03 ± 7.09	45.47 ± 7.14
6 month	53.42 ± 10.82	48.18 ± 9.23 *	54.03 ± 10.46	47.37 ± 9.07 *	54.07 ± 11.9	47.89 ± 9.21 *	49.63 ± 9.52	52.07 ± 8.3	54.56 ± 11.07	47.75 ± 8.76 *	51.65 ± 10.89	47.82 ± 9.42 *	55.51 ± 10.55	49.78 ± 10.19	53.63 ± 10.93	48.53 ± 8.94 *	52.83 ± 10.39	46.59 ± 8.67 *	51.91 ± 11.63	50.62 ± 11.69
2 years	50.95 ± 10.71	47.36 ± 9.69 *	51.1 ± 11.63	45.88 ± 8.46 *	50.1 ± 8.74	48.47 ± 10.9	51.89 ± 16.11	51.64 ± 8.73	51.95 ± 10.25	47.83 ± 9.81	51.29 ± 11.15	46.5 ± 10.14 *	48.38 ± 11.63	49.53 ± 6.21	51.09 ± 10.51	48.24 ± 10.51	51.27 ± 11.01	46.72 ± 9.39	48.77 ± 13.36	45.43 ± 5.8
Protein (% of energy)																				
Baseline	18.03 ± 3.3	18.09 ± 3.4	18.06 ± 3.09	18.06 ± 3.84	18.44 ± 3.68	18.19 ± 3.18	17.99 ± 2.89	18.18 ± 3.01	18.72 ± 3.2	17.83 ± 3.18	17.73 ± 3.45	18.37 ± 3.56	18.04 ± 2.94	16.88 ± 3.01	18.23 ± 3.18	18.22 ± 3.3	18.09 ± 3.28	17.92 ± 3.36	18.4 ± 4.22	17.23 ± 4.02
6 month	17.96 ± 3.96	22.17 ± 4.08 *	17.97 ± 4.07	22.35 ± 3.85 *	17.6 ± 3.62	22.26 ± 4.36 *	18.81 ± 4.17	22.19 ± 5.17 *	17.7 ± 4.24	22.65 ± 3.94 *	18.08 ± 3.54	21.66 ± 4.03 *	18.26 ± 4.45	22.75 ± 4.73 *	17.96 ± 3.8	22.29 ± 3.81 *	17.61 ± 3.54	22.19 ± 4.39 *	19.64 ± 4.94	22.42 ± 4.91
2 years	19.6 ± 4.59	20.97 ± 4.58 *	19.16 ± 4.55	20.98 ± 3.91	20.32 ± 4.23	20.88 ± 5.66	17.7 ± 4	20.03 ± 4.17	18.97 ± 4.24	21.24 ± 4.62	19.7 ± 4.3	20.39 ± 4.54	19.47 ± 4.96	22.42 ± 6.04	19.82 ± 4.52	21.02 ± 4.99	18.44 ± 4.47	21.07 ± 4.78 *	20.24 ± 3.55	19.47 ± 2.55

^aData are mean ± SD.

*P<0.05 for t-tests comparison between the low and high diet groups.