

**A****250**

	<i>HDL Size</i>	<i>FCR (pools/day)</i>	<i>PR (mg/kg/day)</i>	<i>PS (mg)</i>
<b>APOE</b>	$\alpha 0$	2.06	4.27	151.65
	$\alpha 1$	1.56	6.12	287.10
	$\alpha 2$	2.64	3.04	84.43
	$\alpha 3$	4.87	3.26	49.01
<b>APOM</b>	$\alpha 1$	0.33	0.79	173.81
	$\alpha 2$	0.34	0.14	29.65
<b>APOA1</b>	$\alpha 0$	0.22	0.09	30.02
	$\alpha 1$	0.25	3.23	938.07
	$\alpha 2$	0.21	6.16	2166.03
	$\alpha 3$	0.20	4.85	1748.83
	pre $\beta$	5.78	0.57	7.27
<b>APOA2</b>	$\alpha 1$	0.17	0.21	87.54
	$\alpha 2$	0.26	1.54	428.26
	$\alpha 3$	0.21	0.61	218.52
<b>APOC3</b>	$\alpha 1$	1.54	0.92	43.66
	$\alpha 2$	-	-	-
	$\alpha 3$	1.58	1.13	52.27
<b>APOA4</b>	$\alpha 3$	2.86	0.12	2.95
	pre $\beta$	1.96	1.13	42.10

**B****225**

	<i>HDL Size</i>	<i>FCR (pools/day)</i>	<i>PR (mg/kg/day)</i>	<i>PS (mg)</i>
<b>APOE</b>	$\alpha 0$	6.00	3.93	58.32
	$\alpha 1$	2.50	6.78	241.80
	$\alpha 2$	6.26	11.38	161.78
	$\alpha 3$	12.74	8.82	61.57
<b>APOM</b>	$\alpha 1$	0.94	0.73	68.77
	$\alpha 2$	0.95	0.45	42.59
<b>APOA1</b>	$\alpha 0$	0.77	0.04	5.07
	$\alpha 1$	0.90	6.12	606.37
	$\alpha 2$	1.24	24.02	1727.28
	$\alpha 3$	0.69	9.04	1164.12
	pre $\beta$	5.55	0.78	12.55
<b>APOA2</b>	$\alpha 1$	0.66	0.44	58.78
	$\alpha 2$	1.13	3.70	290.77
	$\alpha 3$	0.52	0.99	170.85
<b>APOC3</b>	$\alpha 1$	2.16	0.58	24.07
	$\alpha 2$	2.07	0.58	25.12
	$\alpha 3$	2.18	1.17	47.61
<b>APOA4</b>	$\alpha 3$	3.84	0.13	2.94
	pre $\beta$	2.67	1.31	43.72

**Supplementary Table 3. Kinetic parameters of HDL apolipoproteins.** Parameters estimates were made using the SAAM II software. FCR, fractional catabolic rate. PR, production rate. PS, pool size. 250 (A), 225 (B), 243 (C) and 243 with apoB depletion (D). -, size fractions that were not modeled for one participant but were modeled for the others.

**C****243**

	<u>HDL Size</u>	<u>FCR (pools/day)</u>	<u>PR (mg/kg/day)</u>	<u>PS (mg)</u>
<b>APOE</b>	$\alpha 0$	4.10	6.34	140.59
	$\alpha 1$	2.71	8.45	283.59
	$\alpha 2$	1.86	6.67	325.63
	$\alpha 3$	3.82	4.47	106.44
<b>APOM</b>	$\alpha 1$	0.55	0.48	78.43
	$\alpha 2$	0.52	0.63	110.29
<b>APOA1</b>	$\alpha 0$	0.46	0.05	9.41
	$\alpha 1$	0.86	4.41	468.87
	$\alpha 2$	0.85	14.09	1512.52
	$\alpha 3$	0.60	8.94	1351.94
	pre $\beta$	6.87	2.55	33.74
<b>APOA2</b>	$\alpha 1$	0.57	0.36	57.08
	$\alpha 2$	-	-	-
	$\alpha 3$	0.49	1.59	294.76
<b>APOC3</b>	$\alpha 1$	1.42	0.45	29.06
	$\alpha 2$	1.54	0.45	26.90
	$\alpha 3$	1.34	3.78	256.19
<b>APOA4</b>	$\alpha 3$	3.17	0.04	1.10
	pre $\beta$	3.60	0.89	22.55

**D****243-apoB**

	<u>HDL Size</u>	<u>FCR (pools/day)</u>	<u>PR (mg/kg/day)</u>	<u>PS (mg)</u>
<b>APOE</b>	$\alpha 0$	2.37	3.12	119.81
	$\alpha 1$	2.36	3.58	138.20
	$\alpha 2$	2.50	4.69	170.86
	$\alpha 3$	3.02	2.03	61.16
<b>APOM</b>	$\alpha 1$	0.70	0.62	79.79
	$\alpha 2$	0.71	1.44	183.96
<b>APOA1</b>	$\alpha 0$	0.46	0.17	34.59
	$\alpha 1$	0.60	1.08	164.57
	$\alpha 2$	0.75	10.94	1335.79
	$\alpha 3$	0.65	14.68	2051.23
	pre $\beta$	5.72	3.14	50.02
<b>APOA2</b>	$\alpha 1$	-	-	-
	$\alpha 2$	0.96	2.66	250.73
	$\alpha 3$	0.80	1.30	147.85
<b>APOC3</b>	$\alpha 1$	-	-	-
	$\alpha 2$	0.24	0.34	111.94
	$\alpha 3$	0.96	1.18	129.85
<b>APOA4</b>	$\alpha 3$	2.07	0.09	4.10
	pre $\beta$	2.16	1.24	52.35