Supplemental Table 1. Search strategy for Ovid MEDLINE from 1950 to February 2011

# ▲	Searches	Results
1	exp Fatty Acids/	317728
2	fatty acid.mp.	70673
3	fatty acids.mp.	130870
4	omega-6.mp.	2800
5	omega6.mp.	164
6	omega-3.mp.	8847
7	omega3.mp.	345
8	PUFA.mp.	4608
9	PUFAs.mp.	1865
10	LC-PUFA.mp.	183
11	LC-PUFAs.mp.	74
12	LCPUFA.mp.	257
13	LCPUFAs.mp.	101
14	polyunsaturated.mp.	18317
15	poly-unsaturated.mp.	253
16	1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15	359501
17	exp Docosahexaenoic Acids/	4233
18	"docosahexaenoic acid".mp.	5362

19	"docosahexanoic acid".mp.	147
20	"docosahexenoic acid".mp.	32
21	DHA.mp.	6023
22	exp Eicosapentaenoic Acid/	3411
23	"eicosapentaenoic acid".mp.	5329
24	"eicosapentanoic acid".mp.	120
25	"eicosapentenoic acid".mp.	10
26	EPA.mp.	6841
27	"arachidonic acid".mp.	33150
28	"linolenic acid".mp.	5411
29	"linoleic acid".mp.	11898
30	17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29	56012
31	16 or 30	371034
32	exp Plasma/	12829
33	plasma.mp.	603550
34	exp Serum/	57441
35	serum.mp.	698887
36	exp Erythrocytes/	142985
37	erythrocyte.mp.	84213
38	erythrocytes.mp.	139866
39	"red blood cell".mp.	17930

40	"red blood cells".mp.	28325
41	RBC.mp.	13721
42	"RBCs".mp.	5881
43	"red blood corpuscle".mp.	17
44	"red blood corpuscles".mp.	111
45	exp Blood Platelets/	60845
46	platelet.mp.	153311
47	platelets.mp.	85559
48	"thrombocyte".mp.	2736
49	"thrombocytes".mp.	3009
50	exp Granulocytes/	107967
51	"granulocyte".mp.	41550
52	"granulocytes".mp.	27420
53	"peripheral blood mononuclear cell".mp.	2202
54	"peripheral blood mononuclear cells".mp.	26148
55	"PBMC".mp.	13087
56	"PBMCs".mp.	6225
57	exp Lipoproteins, LDL/	37206
58	LDL.mp.	61778
59	exp Lipoproteins, HDL/	30523
60	HDL.mp.	48739

61	exp Adipocytes/	10869
62	"adipocyte".mp.	9666
63	"adipocytes".mp.	19481
64	exp Adipose Tissue/	60132
65	"adipose tissue".mp.	69064
66	32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65	1802378
67	31 and 66	105882
68	(male and female).mp.	3607668
69	(males and females).mp.	120913
70	(men and women).mp.	153945
71	(boys and girls).mp.	31298
72	gender.mp.	131454
73	sex.mp.	478441
74	68 or 69 or 70 or 71 or 72 or 73	3736338
75	67 and 74	23001
76	differ$.mp.	3509153
77	75 and 76	7543
78	limit 77 to humans	6309