Legend for Supplemental Table 1.

Data for this database were adapted from references (1-45)

Reference List

- 1. (2008) USDA National Nutrient Database for Standard Reference.
- 2. Ackman RG, Eaton CA, Bligh EG *et al.* (1967) Freshwater Fish Oils Yields and Composition of Oils from Reduction of Sheepshead Tullibee Maria and Alewife. *Journal of the Fisheries Research Board of Canada* **24**, 1219-&.
- 3. Ackman RG (1989) Nutritional composition of fats in seafoods. *Prog Food Nutr Sci* **13**, 161-289.
- 4. Anrade AD, Rubira AF, Matushita M *et al.* (1995) omega-**3** Fatty acids in freshwater fish from south Brazil. *Journal of the American Oil Chemists Society* **72**, 1207-1210.
- 5. Belling GB, Abbey M, Campbell JH *et al.* (1997) Lipid content and fatty acid composition of 11 species of Queensland (Australia) fish. *Lipids* **32**, 621-625.
- 6. Bhaskar N, Kinami T, Miyashita K *et al.* (2004) Occurrence of conjugated polyenoic fatty acids in seaweeds from the Indian Ocean. *Zeitschrift fur Naturforschung C-A Journal of Biosciences* **59**, 310-314.
- 7. Blumenschine RJ & Madrigal TC (1993) Variability in Long-Bone Marrow Yields of East-African Ungulates and Its Zooarchaeological Implications. *Journal of Archaeological Science* **20**, 555-587.
- 8. Brand-Miller JC & Holt SH (1998) Australian Aboriginal plant foods: a consideration of their nutritional composition and health implications. *Nutr Res Rev* 11, 5-23.
- 9. Broadhurst CL, Wang Y, Crawford MA *et al.* (2002) Brain-specific lipids from marine, lacustrine, or terrestrial food resources: potential impact on early African Homo sapiens. *Comp Biochem Physiol B Biochem Mol Biol* **131**, 653-673.
- 10. Cordain L, Watkins BA, Florant GL *et al.* (2002) Fatty acid analysis of wild ruminant tissues: evolutionary implications for reducing diet-related chronic disease. *Eur J Clin Nutr* **56**, 181-191.
- 11. Crawford MA (1968) Fatty-acid ratios in free-living and domestic animals. Possible implications for atheroma. *Lancet* 1, 1329-1333.
- 12. Crawford MA, Gale MM, Woodford MH (1969) Linoleic acid and linolenic acid elongation products in muscle tissue of Sncerus caffer and other ruminant species. *Biochem J* **115**, 25-27.
- 13. Crawford MA, Gale MM, Woodford MH (1970) Muscle and Adipose Tissue Lipids of Warthog, Phacochoerus-Aethiopicus. *International Journal of Biochemistry* **1**, 654-&.

- 14. Crawford MA, Gale MM, Woodford MH *et al.* (1970) Comparative Studies on Fatty Acid Composition of Wild and Domestic Meats. *International Journal of Biochemistry* 1, 295-&.
- 15. Crawford MA & Woodford MH (1971) Fatty-Acid Composition in Liver, Aorta, Skeletal and Heart-Muscle of 2 Free-Living Ruminants. *International Journal of Biochemistry* **2**, 493-&.
- 16. Crawford MA, Casperd NM, Sinclair AJ (1976) Long-Chain Metabolites of Linoleic and Linolenic Acids in Liver and Brain in Herbivores and Carnivores. *Comparative Biochemistry and Physiology B-Biochemistry & Molecular Biology* **54**, 395-401.
- 17. Dembitsky VM, Pechenkinashubina EE, Rozentsvet OA (1991) Glycolipids and Fatty-Acids of Some Seaweeds and Marine Grasses from the Black-Sea. *Phytochemistry* **30**, 2279-2283.
- 18. Duncan WR & Garton GA (1968) The fatty acid composition and intramolecular structure of triglycerides from adipose tissue of the hippopotamus and the African elephant. *Comp Biochem Physiol* **25**, 319-325.
- 19. Eaton SB, Eaton SB, III, Sinclair AJ *et al.* (1998) Dietary intake of long-chain polyunsaturated fatty acids during the paleolithic. *World Rev Nutr Diet* **83**, 12-23.
- 20. Ezeagu IE, Petzke KJ, Lange E *et al.* (1998) Fat content and fatty acid composition of oils extracted from selected wild-gathered tropical plant seeds from Nigeria. *Journal of the American Oil Chemists Society* **75**, 1031-1035.
- 21. Freiberger CE, Vanderjagt DJ, Pastuszyn A *et al.* (1998) Nutrient content of the edible leaves of seven wild plants from Niger. *Plant Foods Hum Nutr* **53**, 57-69.
- 22. Gibson RA, Kneebone R, Kneebone GM (1984) Comparative levels of arachidonic acid and eicosapentaenoic acid in Malaysian fish. *Comp Biochem Physiol C* **78**, 325-328.
- 23. Guil JL, Torija ME, Gimenez JJ *et al.* (1996) Identification of fatty acids in edible wild plants by gas chromatography. *J Chromatogr A* **719**, 229-235.
- 24. Khotimchenko SV (1991) Fatty-Acid Composition of 7 Sargassum Species. *Phytochemistry* **30**, 2639-2641.
- 25. Kinsella JE, Shimp JL, Mai J *et al.* (1977) Fatty-Acid Content and Composition of Freshwater Finfish. *Journal of the American Oil Chemists Society* **54**, 424-429.
- 26. Kuipers RS, Fokkema MR, Smit EN *et al.* (2005) High contents of both docosahexaenoic and arachidonic acids in milk of women consuming fish from lake Kitangiri (Tanzania): targets for infant formulae close to our ancient diet? *Prostaglandins Leukot Essent Fatty Acids* **72**, 279-288.
- 27. Kuipers RS, Smit EN, van der Meulen J *et al.* (2007) Milk in the island of Chole [Tanzania] is high in lauric, myristic, arachidonic and docosahexaenoic acids, and low in linoleic acid reconstructed diet of infants born to our ancestors living in tropical coastal regions. *Prostaglandins Leukot Essent Fatty Acids* **76**, 221-233.

- 28. Naughton JM, O'Dea K, Sinclair AJ (1986) Animal foods in traditional Australian aboriginal diets: polyunsaturated and low in fat. *Lipids* **21**, 684-690.
- 29. Norziah MH & Ching CY (2000) Nutritional composition of edible seaweed Gracilaria changgi. *Food Chemistry* **68**, 69-76.
- 30. O'Dea K & Sinclair AJ (1982) Increased proportion of arachidonic acid in plasma lipids after 2 weeks on a diet of tropical seafood. *Am J Clin Nutr* **36**, 868-872.
- 31. Osman F, Jaswir I, Khaza'ai H *et al.* (2007) Fatty acid profiles of fin fish in Langkawi Island, Malaysia. *J Oleo Sci* **56**, 107-113.
- 32. Oyarzun SE, Crawshaw JG, Valverde E (1996) Nutrition of the Tamandua: I. Nutrient composition of termites (Nasutitermes spp.) and stomach contents from wild Tamanduas (Tamandua tetradactyla). *Zoo Biology* **15**, 509-524.
- 33. Ozogul Y, Ozogul F, Cicek E *et al.* (2008) Fat content and fatty acid compositions of 34 marine water fish species from the Mediterranean Sea. *Int J Food Sci Nutr*, 1-12.
- 34. Pauletto P, Puato M, Caroli MG *et al.* (1996) Blood pressure and atherogenic lipoprotein profiles of fish-diet and vegetarian villagers in Tanzania: the Lugalawa study. *Lancet* **348**, 784-788.
- 35. Rahman SA, Huah TS, Hassan O *et al.* (1995) Fatty-Acid Composition of Some Malaysian Fresh-Water Fish. *Food Chemistry* **54**, 45-49.
- 36. Rocquelin G, Tapsoba S, Mbemba F *et al.* (1998) Lipid content and fatty acid composition in foods commonly consumed by nursing Congolese women: incidences on their essential fatty acid intakes and breast milk fatty acids. *Int J Food Sci Nutr* **49**, 343-352.
- 37. Sinclair AJ & Slattery W (1980) Polyunsaturated fatty acids in meat from eight mammalian species. *Proc Nutr Soc Aust* S, 194.
- 38. Sinclair AJ, O'Dea K, Naughton JM (1983) Elevated levels of arachidonic acid in fish from northern Australian coastal waters. *Lipids* **18**, 877-881.
- 39. Soriguer F, Serna S, Valverde E *et al.* (1997) Lipid, protein, and calorie content of different Atlantic and Mediterranean fish, shellfish, and molluses commonly eaten in the south of Spain. *European Journal of Epidemiology* **13**, 451-463.
- 40. Speake BK, Decrock F, Surai PF *et al.* (1999) Fatty acid composition of the adipose tissue and yolk lipids of a bird with a marine-based diet, the emperor penguin (Aptenodytes forsteri). *Lipids* **34**, 283-290.
- 41. Stanley-Samuelson DW & Dadd RH (1983) Long-chain polyunsaturated fatty acids: patterns of occurrence in insects. *Insect Biochem* **13**, 549-558.
- 42. Vincent AS (1985) Plant foods in savanna environments: a preliminary report of tubers eaten by the Hadza of Northern Tanzania. *World Archaeol* 17, 131-148.

- 43. Visentainer JV, Noffs MD, Carvalho PDO *et al.* (2007) Lipid content and fatty acid composition of 15 marine fish species from the southeast coast of Brazil. *Journal of the American Oil Chemists Society* **84**, 543-547.
- 44. Vlieg P & Body DR (1988) Lipid Contents and Fatty-Acid Composition of Some New-Zealand Fresh-Water Finfish and Marine Finfish, Shellfish, and Roes. *New Zealand Journal of Marine and Freshwater Research* **22**, 151-162.
- 45. Wehmeyer AS, Lee RB, Whiting M (1969) The nutrient composition and dietary importance of some vegetable foods eaten by the Kung Bushmen. *S Afr Med J* **43**, 1529-1530.