

## Appendix 1: Search Strategy

Note: Items highlighted in yellow were removed in the updated search completed April 2018

1. exp Schizophrenia/
2. exp Psychotic Disorders/
3. (schizophreni* or schizo-affect* or schizoaffect* or schizophreniform* or schizo-phreniform*).tw,kw.
4. (dementia adj (praecox or precox)).tw,kw.
5. (share\$1 adj1 paranoid disorder*).tw,kw.
6. (share\$1 adj1 psychotic disorder*).tw,kw.
7. ("folie a deux" or "folie a trois" or hebephreni*).tw,kw.
8. ((deficit or negative or positive) adj (symptom\$1 or syndrome\$1)).tw,kw.
9. ((brief psychotic adj2 disorder*) or (first psychotic episode* or 1st psychotic episode* or first episode psychos* or 1st episode psychos*)).tw,kw.
10. or/1-9
11. exp Schizophrenia/dh
12. exp Psychotic Disorders/dh
13. Beverages/ or exp Alcoholic Beverages/ or exp Carbonated Beverages/ or Coffee/ or exp Drinking Water/ or exp Energy Drinks/ or "Fruit and Vegetable Juices"/ or exp Milk/ or exp Tea/ or exp Teas, Herbal/
14. exp Food/
15. (bread* or candy or candies or condiment\$1 or dairy produc* or egg or eggs or flour or flours or fruit or fruits or honey or meal or meals or breakfast* or lunch\$2 or dinner\$1 or supper\$1 or meat or meats or poultry or seafood or shellfish* or fish or fishes or molasses or nut or nuts or seed or seeds or grain or grains or vegetable\$1).tw,kw.
16. exp Nutritional Physiological Phenomena/
17. (glycemic index* or glycemia load\$1).tw,kw.
18. (diet or diets or dietary).tw,kw,hw.
19. (eat or eats or eating).tw,kw.
20. (food or foods or feed or feeds or feeding or fed).tw,kw,hw.
21. (nutrition* or nutritive* or nutrient* or macronutrient* or macro-nutrient* or micronutrient* or micro-nutrient*).tw,kw,hw.
22. (vegan or vegans or veganism or vegetarianism or macro?biotic*).tw,kw.
23. (whole food? or "plant-based" or WFPB).tw,kw.

24. ((egg\$ or milk\$1 or whey\$1 or vegetable\$1) adj2 protein\$1).tw,kw.
25. (butter\$1 or ghee or margarine\$1 or cholesterol* or unsaturated fat\$1 or unsaturated oil\$1 or saturated fat\$1 or saturated oil\$1 or trans fat\$1 or transfat* or trans oil\$1 or polyunsaturated fat\$1 or polyunsaturated oil\$1 or poly-unsaturated fat\$1 or poly-unsaturated oil\$1 or monounsaturated fat\$1 or monounsaturated oil\$1 or mono-unsaturated fat\$1 or mono-unsaturated oil\$1).tw,kw.
26. (fiber or fibre or roughage or wheat bran\$1).tw,kw.
27. (carbohydrate* or sugar* or starch* or sucrose* or syrup*).tw,kw.
28. (glucose* or fructose* or isoglucose*).tw,kw.
29. digest*.tw,kw.
30. exp Food Hypersensitivity/
31. ((food or egg or eggs or milk or nut or nuts or peanut or peanuts or shellfish* or wheat) adj3 (allerg* or hypersensitiv* or react* or sensitiv*)).tw,kw.
32. (beverage? or drink or drinks or drinking or drank or drunk or juice? or soda or sodas or pop or pops or refreshment? or tea or teas or chai or coffee? or punch\$2 or milk? or water or waters).tw,kw.
33. coke.tw. not Coke/
34. (cola or coca-cola or gingerale or ginger ale or pepsi or root beer* or "Dr. Pepper" or "7up").tw,kw.
35. (softdrink* or soft drink? or sodapop* or soda pop?).tw,kw.
36. (smoothy or smoothie*).tw,kw.
37. (gatorade? or powerade? or "red bull").tw,kw.
38. (almondshake? or almond shake? or dairysake? or dairy shake? or milkshake? or milk shake? or soyshake? or soy shake?).tw,kw.
39. (hot adj (chocolate or cocoa)).tw,kw.
40. (cappuccino? or espresso? or latte?).tw,kw.
41. exp Sweetening Agents/
42. (pre-sweet* or presweet* or pre-sugar* or presugar* or sweetener? or sugar substitute? or sugar-sweeten*).tw,kw.
43. exp Vitamins/
44. vitamin\$1.tw,kw.
45. Orthomolecular Therapy/
46. (orthomolecular or megavitamin* or mega-vitamin*).tw,kw.
47. (multivitamin\$1 or multi-vitamin\$1 or multimineral\$1 or multi-mineral\$1 or nutraceutical\$1 or nutraceutical\$1).tw,kw.

48. (megados\* or mega dosage\* or mega dose\* or mega dosi\* or high dosage\* or high dose\* or high dosi\* or large dosage\* or large dose\* or large dosi\* or unorthodox or unconventional or high daily intake\$1 or higher concentration\$1).ti.

49. ((alternative or complementary or herbal or integrative) adj (medicine\$1 or therapy or therapies)).tw,kw.

50. or/43-49

51. exp \*Carnitine/ or carnitine.tw,kw.

52. exp \*Glucosamine/ or glucosamine.tw,kw.

53. exp \*Chondroitin/ or chondroitin.tw,kw.

54. (medium chain triacylglycerol\$1 or medium chain triglyceride\$1).tw,kw.

55. \*Phosphatidylserines/ or phosphatidylserine\$1.tw,kw.

56. exp \*Dehydroepiandrosterone/ or (dehydroepiandrosterone or dhea or prasterone).tw,kw.

57. exp \*Taurine/ or taurine.tw,kw.

58. gamma-oryzanol.tw,kw.

59. exp \*Fatty Acids/ or fatty acid\$1.tw,kw.

60. \*S-Adenosylmethionine/ or ("s-adenosylmethionine" or "s adenosyl l methionine").tw,kw.

61. exp Amino Acids/ae, ad, de, dt, to, ph, pk, th

62. exp Alanine/ or Arginine/ or Asparagine/ or exp Aspartic Acid/ or exp Cysteine/ or exp Glutamic Acid/ or exp Glutamine/ or exp Glycine/ or exp Histidine/ or Isoleucine/ or Leucine/ or exp Lysine/ or exp Methionine/ or exp Phenylalanine/ or exp Proline/ or exp Serine/ or exp Tyrosine/ or exp Tryptophan/ or exp Threonine/ or exp Valine/

63. (amino acid\$1 or alanine or "L-alanine" or arginine or "L-arginine" or asparagine or aspartic acid\$1 or cysteine or glutamate or glutamic acid\$1 or glutamine or histidine or isoleucine or leucine or lysine or methionine or phenylalanine or proline or serine or threonine or tryptophan or tyrosine or valine).tw,kw.

64. Lactobacillus acidophilus/ or (lactobacilla or lactobacillus).tw,kw.

65. exp Ajmaline/ or ajmaline.tw,kw.

66. Allantoin/ or allantoin.tw,kw.

67. Amygdalin/ or amygdalin.tw,kw.

68. Androstenedione/ or (androstenedione or andro).tw,kw.

69. Anthocyanins/ or (anthocyanin\$1 or anthocyanidin\$1).tw,kw.

70. exp \*Antioxidants/ or (antioxidant\$1 or anti-oxidant\$1).ti.

71. exp Anthraquinones/ or anthraquinone\$1.tw,kw.

72. Apigenin/ or apigenin\$1.tw,kw.

73. Arachidonic Acid/ or arachidonic acid\$1.tw,kw.

74. asarone.tw,kw.
75. beta Naphthoflavone/ or beta naphthoflavone.tw,kw.
76. beta Carotene/ or beta carotene.tw,kw.
77. Carotenoids/ or (carotenoid\$1 or carotene\$1).tw,kw.
78. (beta-hydroxyisovaleric acid\$1 or beta hydroxy beta methylbutyrate).tw,kw.
79. Bifidobacterium/ or bifidobacterium.tw,kw.
80. Biotin/ or biotin.tw,kw.
81. Saccharomyces cerevisiae/ or saccharomyces cerevisiae.tw,kw.
82. Boron/ or boron.tw,kw.
83. Bromelains/ or bromelain?.tw,kw.
84. caffeic acid\$1.tw,kw.
85. Caffeine/ or caffeine.tw,kw.
86. Calcium/ or calcium.tw,kw.
87. (hexanoic acid\$1 or caproate).tw,kw.
88. Catechin/ or catechin.tw,kw.
89. Epicatechin/ or epicatechin.tw,kw.
90. catechol.tw,kw.
91. Chalcone/ or chalcone.tw,kw.
92. (estragole or chavicol).tw,kw.
93. exp chitin/ or (chitin or chitosan).tw,kw.
94. Chlorogenic Acid/ or chlorogenic acid.tw,kw.
95. Choline/ or choline.tw,kw.
96. Chromium/ or chromium.tw,kw.
97. cinnamic acid\$1.tw,kw.
98. cirsimaritin.tw,kw.
99. exp Citric Acid/ or (citric acid\$1 or citrate\$1).tw,kw.
100. Cobalt/ or cobalt.tw,kw.
101. ("coenzyme q10" or "co-enzyme q10" or coq10).tw,kw.
102. colloidal silver.tw,kw.
103. Copper/ or copper.tw,kw.
104. coumarin.tw,kw.

105. (allyl sulfide\$1 or diallyl sulfide\$1).tw,kw.

106. Ecdysterone/ or ecdysterone.tw,kw.

107. eriodictyol.tw,kw.

108. Eugenol/ or eugenol.tw,kw.

109. Fish Oils/ or Cod Liver Oil/ or exp Fatty Acids, Omega-3/ or (fish oil? or "omega-3" or O3FA).tw,kw.

110. ferulic acid\$1.tw,kw.

111. fisetin.tw,kw.

112. exp Fluorides/ or fluoride.tw,kw.

113. exp Folic Acid/ or (folic acid\$1 or folate).tw,kw.

114. exp Leucovorin/ or (folinic acid\$1 or leucovorin).tw,kw.

115. gamma-Linolenic Acid/ or (gammalinolenic or gamma linolenic).tw,kw.

116. gentisic.tw,kw.

117. exp Glutathione/ or glutathione.tw,kw.

118. Hesperidin/ or hesperidin.tw,kw.

119. higenamine.tw,kw.

120. hydroxycitric acid\$1.tw,kw.

121. (hyperin or hyperoside).tw,kw.

122. Indoles/ or indole\$1.tw,kw.

123. exp Inositol/ or inositol.tw,kw.

124. Inulin/ or inulin.tw,kw.

125. Iodine/ or iodine.tw,kw.

126. Iron/ or iron.tw,kw.

127. isoquercitrin.tw,kw.

128. isorhamnetin.tw,kw.

129. lespenefril.tw,kw.

130. (k?empferol or k?empferitrin or kombucha).tw,kw.

131. larch arabinogalactan.tw,kw.

132. exp Phosphatidylcholines/ or (phosphatidylcholine or phosphatidyl choline or lecithin\$1).tw,kw.

133. linalool.tw,kw.

134. Linoleic Acid/ or (linoleic acid\$1 or linoleate).tw,kw.

135. exp Xanthophylls/ or (lutein or xanthophyll).tw,kw.

136. Luteolin/ or luteolin\$1.tw,kw.
137. lycopene.tw,kw.
138. Magnesium/ or magnesium.tw,kw.
139. malonic acid\$1.tw,kw.
140. Manganese/ or manganese.tw,kw.
141. Trace Elements/ or (micronutrient\$1 or micro-nutrient\$1 or trace element\$1 or trace mineral\$1).tw,kw.
142. Minerals/ or mineral\$1.tw,kw.
143. Molybdenum/ or molybdenum.tw,kw.
144. morin.tw,kw.
145. (dimethyl sulfone or methylsulfonylmethane).tw,kw.
146. myricetin.tw,kw.
147. Niacin/ or (niacin or nicotinic acid\$1).tw,kw.
148. Nickel/ or nickel.tw,kw.
149. nobiletin.tw,kw.
150. Oleanolic Acid/ or oleanolic acid\$1.tw,kw.
151. oxyayanin.tw,kw.
152. Papain/ or papain.tw,kw.
153. (perillyl alcohol or perilla alcohol).tw,kw.
154. (phenethyl isothiocyanate or phenethylisothiocyanate).tw,kw.
155. Phosphorus/ or phosphorous.tw,kw.
156. Phytosterols/ or (phytosterol\$1 or phyto-sterol\$1).tw,kw.
157. plantaginin.tw,kw.
158. Potassium/ or potassium.tw,kw.
159. proanthocyanidin.tw,kw.
160. procyanidin.tw,kw.
161. Propolis/ or propolis.tw,kw.
162. pycnogenol\$1.tw,kw.
163. Pyridoxine/ or (pyridoxine\$1 or "vitamin b 6" or "vitamin b6").tw,kw.
164. Pyruvic Acid/ or (pyruvic acid\$1 or pyruvate).tw,kw.
165. Quercetin/ or quercetin.tw,kw.
166. (retinol acetate or retinyl acetate or retinol palmitate or retinyl palmitate).tw,kw.

167. exp Retinoids/ or (retinoid\$1 or retinoic or retinal).tw,kw.
168. rhoifolin.tw,kw.
169. Riboflavin/ or riboflavin.tw,kw.
170. royal jelly.tw,kw.
171. Rutin/ or (rutin or rutine or rutoside).tw,kw.
172. Selenium/ or selenium.tw,kw.
173. (sesamol or sesamolin).tw,kw.
174. Silicon/ or silicon.tw,kw.
175. Silymarin/ or silymarin.tw,kw.
176. (sinapic acid\$1 or sinapinic acid\$1).tw,kw.
177. Sodium/ or ((dietary or intake) adj1 sodium).tw,kw.
178. exp Cholic Acid/ or (cholic acid\$1 or sodium cholate).tw,kw.
179. stevioside.tw,kw.
180. (sulforafan or sulforaphane).tw,kw.
181. Sulfur/ or (sulfur or sulphur).tw,kw.
182. tangeretin\$1.tw,kw.
183. exp Tannins/ or (tannin\$1 or tannic).tw,kw.
184. taxifolin.tw,kw.
185. (theaflavin or thearubigin).tw,kw.
186. exp Thiamine/ or thiamin\$1.tw,kw.
187. Tin/ or tin.tw,kw.
188. Tocopherol/ or alpha Tocopherol/ or (tocopherol or "vitamin e").tw,kw.
189. Tocopherol/ or tocopherol\$1.tw,kw.
190. Vanadium/ or vanadium.tw,kw.
191. Vanillic Acid/ or vanillic acid\$1.tw,kw.
192. exp "Vitamin B 12"/ or (cyanocobalamin or "vitamin b 12" or "vitamin b12").tw,kw.
193. exp Ascorbic Acid/ or (ascorbic acid\$1 or "vitamin c").tw,kw.
194. exp "Vitamin d"/ or (ergocalciferol\$1 or "vitamin d" or "vitamin d 2" or "vitamin d2" or "vitamin d 3" or "vitamin d3").tw,kw.
195. exp "Vitamin K"/ or "vitamin k".tw,kw.
196. exp "Vitamin A"/ or "vitamin a".tw,kw.

197. exp "Vitamin E"/ or "vitamin e".tw,kw.
198. provitamin\$1.tw,kw.
199. exp Whey Proteins/ or whey protein\$1.tw,kw.
200. Zinc/ or zinc.tw,kw.
201. Fragaria/ or fragaria.tw,kw.
202. Saccharum/ or (saccharum officinarum or sugarcane or sugar cane).tw,kw.
203. exp Citrus/ or (citrus or grapefruit\$1 or orange\$1 or tangerine\$1).tw,kw.
204. Lycopersicon esculentum/ or (lycopersicon esculentum or tomato*).tw,kw.
205. Ubiquinone/ or ubiquinone.tw,kw.
206. (dietary fat\$1 and unsaturated fatty acid\$1).tw,kw.
207. exp Prunus/ or (apricot\$ or prune\$1 or prunus).tw,kw.
208. Hordeum/ or (hordeum or barley\$1).tw,kw.
209. Blueberry Plant/ or blueberr*.tw,kw.
210. exp Citrullus/ or (citrullus or watermelon\$1).tw,kw.
211. Phaseolus/ or (common bean\$1 or french bean\$1 or kidney bean\$1 or phaseolus).tw,kw.
212. Psidium/ or guava\$1.tw,kw.
213. Humulus/ or (hops or humulus lupulus).tw,kw.
214. Juniperus/ or juniper*.tw,kw.
215. Mango/ or (mango or mangoes).tw,kw.
216. exp Pinus/ or (pine or pinus).tw,kw.
217. Olive Oil/ or olive oil\$1.tw,kw.
218. Carica/ or (carica or papaya\$1).tw,kw.
219. Plantago/ or plaintain\$1.tw,kw.
220. Helianthus/ or (helianthus annuus or sunflower\$1).tw,kw.
221. or/51-220
222. (selenium adj2 vitamin e adj5 select).tw,kw.
223. (prebiotic\$1 or probiotic\$1 or synbiotic\$1).tw,kw.
224. (guggal or guggul).tw,kw.
225. Ellagic Acid/ad, tu
226. (ellagic acid and ("therapeutic use" or antiinflammator* or anti-inflammator* or oral administration*)).tw,kw.
227. (sulfinic acid\$1 and allicin).tw,kw.



228. (glyconutrient\$ or glyco-nutrient\$).tw,kw.
229. Euterpe/ or (acai or euterpe).tw,kw.
230. citrus pectin\$1.tw,kw.
231. Curcumin/ or curcumin.tw,kw.
232. (oleum and menth* and piperitae).tw,kw.
233. (mushroom* and (medicinal or therapy or antifungal or anti-fungal or anticancer* or anti-cancer* or antineoplastic or anti-neoplastic)).tw,kw.
234. Ipomoea batatas/ or purple sweet potato anthocyanin.tw,kw.
235. (pumpkin seed\$1 and (therapy or therapies or treatment)).tw,kw.
236. (rice or rice bran).tw,kw.
237. (cholestin or red yeast rice).tw,kw.
238. (wssf or water-soluble soybean fiber or water-soluble soybean fibre).tw,kw.
239. Phytosterols/ or (phytosterol\$1 or phyto-sterol\$1).tw,kw.
240. Soybeans/ or (soybean\$1 or soy bean\$1 or glycine max).tw,kw.
241. exp Isoflavones/ or (isoflavone\$1 or ipriflavone\$1 or genistein or homoisoflavone\$1).tw,kw.
242. (exp Antioxidants/ or (antioxidant\$1 or anti-oxidant\$1 or consumption or treatment\$1 or therapy or therapies or therapeutic* or prevention*).tw,kw.) and (Flavonoids/ or (flavonoid\$1 or flavinoid\$1 or bioflavonoid\$1 or bioflavonoid\$1 or bio-flavonoid\$1 or bio-flavonoid\$1 or bioflavinoid\$1 or bioflavinoid\$1 or bio-flavnoid\$1 or bio-flavinoid\$1).tw,kw.)
243. dibella.tw,kw.
244. ("coenzyme q10" or "coenzyme q" or coq10).ti.
245. *Thioctic Acid/ or (alpha-lipoic acid\$1 or lipoic acid\$1 or thioctic acid\$1).tw,kw.
246. resveratrol.tw,kw. or resveratrol.rn.
247. Medicago Sativa/ or (alfalfa or medicago sativa).tw,kw.
248. Aloe/ or aloe.tw,kw.
249. Cynara scolymus/ or (artichoke or cynara scolymus).tw,kw.
250. Momordica charantia/ or (momordica charantia or bitter melon\$1).tw,kw.
251. Prunus avium/ or black cherr\$3.tw,kw.
252. Rubus/ or (blackberr\$3 or raspberr\$3 or rubus fruticosus or rubus idaeus).tw,kw.
253. Fucus/ or (fucus or bladderwrack).tw,kw.
254. Vaccinium/ or Blueberry Plant/ or (bilberr\$3 or blueberr\$3 or vaccinium).tw,kw.
255. Carum/ or (carum or caraway).tw,kw.

256. Capsicum/ or (capsicum or cayenne).tw,kw.
257. Apium graveolens/ or (celery or celeriac or apium graveolens).tw,kw.
258. Matricaria/ or matricaria.tw,kw.
259. Chamomile/ or chamomile.tw,kw.
260. Chicory/ or (chicory or cichorium intybus).tw,kw.
261. exp Chrysanthemum/ or chrysanthemum.tw,kw.
262. Cinnamomum zeylanicum/ or (cinnamomum zeylanicum or cinnamomum verum or cinnamon).tw,kw.
263. Eugenia/ or Syzygium/ or (clove or cloves or syzygium aromaticum).tw,kw.
264. Cocos/ or (cocoanut\$1 or coconut\$1).tw,kw.
265. Cola/ or (cola acuminata or cola nitida).tw,kw.
266. Coriandrum/ or (coriandrum or coriander).tw,kw.
267. Vaccinium macrocarpon/ or (cranberry or vaccinium macrocarpon).tw,kw.
268. Phoenixae/ or (phoenix dactylifera or date palm).tw,kw.
269. Anethum graveolens/ or (dill or anethum graveolens).tw,kw.
270. Foeniculum/ or (foeniculum or fennel).tw,kw.
271. Trigonella/ or (trigonella or fenugreek or foenumgraecum or foenum graecum or trigonella).tw,kw.
272. Flax/ or (flax or linseed\$1 or linum or flaxseed\$1).tw,kw.
273. Garlic/ or (garlic or allium sativum).tw,kw.
274. Ginger/ or (ginger or zingiber* or zinziber*).tw,kw.
275. Lycium/ or (goji or lycium barbarum or wolfberr*).tw,kw.
276. Vitis/ or (grape\$1 or raisin\$1 or vitis).tw,kw.
277. Citrus paradisi/ or (grapefruit* or citrus paradisi or citrus x paradisi).tw,kw.
278. Hibiscus/ or hibiscus sabdariffa.tw,kw.
279. exp Ocimum/ or (basil or ocimum basilicum or ocimum tenuiflorum).tw,kw.
280. Armoracia/ or (armoracia or horseradish* or horse radish*).tw,kw.
281. exp Glycyrrhiza/ or (glycyrrhiza glabra or liquorice or licorice).tw,kw.
282. (mung bean\$1 or vigna radiata).tw,kw.
283. exp Nigella/ or (black cumin or nigella sativa).tw,kw.
284. Myristica fragrans/ or (nutmeg or myristica fragrans).tw,kw.
285. Olea/ or (olive tree\$1 or olea).tw,kw.
286. Citrus sinensi/ or (sweet orange\$1 or citrus sinensis).tw,kw.

287. Origanum/ or (oregano or origanum vulgare).tw,kw.
288. Petroselinum/ or (petroselinum crispum or parsley).tw,kw.
289. Mentha piperita/ or (mentha piperita or "mentha x piperita" or peppermint).tw,kw.
290. (ispagula or psyllium).tw,kw.
291. exp Ganoderma/ or (reishi or ganoderma lucidum or ganoderma tsugae).tw,kw.
292. Aspalathus/ or (aspalathus linearis or rooibos).tw,kw.
293. Rosmarinus/ or (rosmarinus officinalis or rosemary).tw,kw.
294. Salvia officinalis/ or (salvia officinalis or sage).tw,kw.
295. Shiitake Mushrooms/ or (lentinula edodes or shiitake mushroom\$1).tw,kw.
296. Spirulina/ or spirulina.tw,kw.
297. Stevia/ or stevia.tw,kw.
298. (origanum marjorana or marjoram).tw,kw.
299. (citrus reticulata or mandarin).tw,kw.
300. Camellia sinensis/ or camellia sinensis.tw,kw.
301. Thymus Plant/ or (thyme or thymus vulgaris).tw,kw.
302. Curcuma/ or (curcuma longa or turmeric or tumeric).tw,kw.
303. Mustard Plant/ or white mustard\$1.tw,kw.
304. or/222-303
305. (Iodine/ or exp "Vitamin D"/ or exp Folic Acid/ or "Vitamin B 12"/ or exp Fatty Acids, Omega-3/) and (diet or diets or dietary or supplementation).ti.
306. Soil Pollutants/ or exp Pesticides/ or exp Invertebrates/ or Animal Husbandry/ or soil.ti. or (insect or insecticid* or entomology or biofuel*).tw,kw.
307. 10 or 11 or 12
308. 13-306*combined with OR
309. 307 and 308