Supplemental Table 1. Number of compounds and chemical classes identified in common fruits and vegetables[1.]

CHEMICAL CLASSES	GRAPE *Vitis*[2.] 1,620 compounds	BLUEBERRY *Vaccinium*[3.] 722 compounds	APPLE *Malus*[4.] 473 compounds	ARTICHOKE *Cynara scolymus* 272 compounds	AVOCADO *Persea americana* 427 compounds	BANANA *Musa*[5.] 401 compounds	BROCCOLI *Brassica oleracea* 658 compounds	CARROT *Daucus carota* 892 compounds	ONION *Allium cepa* 825 compounds	ORANGE *Citrus*[6.] 1,442 compounds	POMEGRANATE *Punica granatum* 261 compounds	SPINACH *Spinacia oleracea* 271 compounds	STRAWBERRY *Fragaria*[7.] 367 compounds	TOMATO *Lycopersicon*[8.] 621 compounds
Alicyclic	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Alkaloid	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Alkanal C5 or more														
Alkane	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Alkanol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Alkanone	✓	✓	✓			✓	✓		✓	✓			✓	✓
Alkenal C5 or more	✓	✓		✓			✓	✓	✓	✓			✓	
Alkene		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓
Alkenol C5 or more		✓	✓	✓	✓	✓	✓		✓	✓			✓	✓
Alkenone C5 or more			✓		✓				✓	✓				✓
Alkenyne C5 or more				✓										
Alkenynol C5 or more														✓
Alkynol C5 or more					✓			✓						
Anthocyanidin			✓											
Anthocyanin				✓			✓	✓			✓			
Anthraquinone	✓													
Benzenoid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Betaxanthin												✓		
Bibenzyl	✓													
Carotene	✓										✓	✓		
Carotenoid	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓
Carbohydrate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Catechol			✓											
Chromone								✓						
Coumarin	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Diterpene			✓		✓				✓	✓		✓		✓
Flavone	✓		✓	✓	✓			✓		✓	✓	✓		
Flavonol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flavonoid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flavanone				✓						✓	✓	✓		✓
Indole alkaloid	✓		✓		✓	✓	✓	✓	✓			✓	✓	✓
Indolizidine alkaloid											✓			
Inorganic substance	✓	✓	✓		✓	✓	✓	✓			✓	✓	✓	✓
Iridoid monoterpene		✓												
Isoflavone											✓			
Isoquinoline alkaloid	✓				✓	✓	✓	✓		✓		✓		
Leucoanthocyanin													✓	
Lignan	✓		✓					✓						
Lipid	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Misc. lactone		✓	✓		✓	✓				✓	✓		✓	
Monoterpene	✓	✓	✓	✓	✓			✓	✓	✓			✓	✓
Non-alkaloid nitrogen heterocycle							✓	✓				✓	✓	✓
Oxazolidine							✓							
Oxygen heterocycle	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Phenolic glycoside		✓												
Phenol	✓													
Phenylpropanoid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pheophorbide derivative							✓					✓		
Polycyclic			✓			✓								
Proteid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Quinoid	✓	✓				✓		✓		✓		✓		✓
Quinolizidine alkaloid		✓							✓	✓				
Sapogenin								✓	✓					✓
Saponin									✓	✓	✓	✓	✓	✓
Sesquiterpene	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Steroid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Steroid alkaloid														✓
Steroidal saponin														
Sterols and/or triterpene							✓	✓		✓	✓			
Stilbene	✓	✓	✓					✓		✓				
Sulfur compound							✓		✓				✓	
Tannin	✓	✓						✓			✓		✓	
Triterpene	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓
Tropane alkaloid											✓			
Vitamin		✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓

[1.] Derived from a search of the NAPRALERT[SM] database (14)

[2.] *Vitis vinifera; V. saccharifera*

[3.] *Vaccinium angustifolium*; *V. australe*; *V. corymbosum*; *V. Myrtillus*

[4.] *Malus domestica*; *M. Sylvestris*

[5.] *Musa acuminata*; *M. paradisiaca*; *M. sapientum*; *M. Species*

[6.] *Citrus aurantiifolia*; *C. aurantium*; *C. sinensis*

[7.] *Fragaria ananassa*; *F. species*; *F. vesca*

[8.] *Lycopersicon esculentum*; *L. pimpinellifolium*