





**Table S2:** Qualitative profile of phytofurans in terms of their occurrence and distribution in plant physiological part, fruits and processed plant foods.

Plant/Food Sample	<i>ent</i> -16( <i>RS</i> )-9- <i>epi</i> -ST- $\Delta^{14}$ -10-PhytoF	<i>ent</i> -9( <i>RS</i> )-12- <i>epi</i> -ST- $\Delta^{10}$ -13-PhytoF	<i>ent</i> -16( <i>RS</i> )-13- <i>epi</i> -ST- $\Delta^{14}$ -9-PhytoF	Reference
<i>Plant Physiological Parts</i>				
<b>Wheat leaves</b>	✓	✓	✓	<b>this study</b>
Cucumis melo L. leaves	✓	✓		[42]
Date tree leaves	✓	✓	✓	[43,44]
Chilean hazelnut (Gevuina avellana Mol., Proteaceae) cotyledons	✓	✓	✓	[47]
Brown macroalgae (Ectocarpus siliculosus)	✓	✓	✓	[46]
Brown macroalgae (Laminaria digitate)	✓	✓	✓	[46]
Brown macroalgae (Pelvetia canaliculata)	✓			[46]
Red macroalgae (Osmundea pinnatifida)			✓	[6]
Red macroalgae (Grateloupia turuturu)	✓		✓	[46]
Brown macroalage (Fucus spiralis)	✓	✓	✓	[46]
Date tree skin	✓	✓	✓	[43]
Date tree pits	✓	✓	✓	[43]
Date tree pulp	✓	✓	✓	[43]
Date tree cluster	✓	✓	✓	[43]
Date tree pollen	✓	✓	✓	[43]
Cocoa pod husk	✓	✓	✓	[52]
Cocoa husk	✓	✓	✓	[52]
<i>Fruits and seeds</i>				
Flax seeds			✓	[19]
Chia seeds			✓	[19]
Cocoa bean	✓	✓	✓	[53]
Pea (Pisum sativumL.)	✓	✓	✓	[38,51]

French beans (Phaseolus vulgarisL.)	✓	✓	✓	[51]
Mangetout (Pisum sativumL. Ssp.arvense)	✓	✓	✓	[51]
Rice	✓	✓	✓	[37,50]
Almond	✓	✓	✓	[22]
Pistachio kernels	✓	✓	✓	[20]
Coffee pulp	✓	✓	✓	[52]
<i>Processed Plant Foods</i>				
Extra virgin olive oil	✓	✓	✓	[32]
Flax oil	✓	✓	✓	[32]
Argan oil			✓	[32]
Sesame oil			✓	[32]
Grapeseed oil		✓	✓	[32]
Safflower oil			✓	[32]
Palm oil		✓	✓	[32]
Dark chocolate	✓		✓	[54]
Sea buckthorn juice		✓		[34]