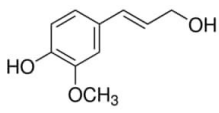
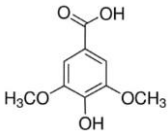
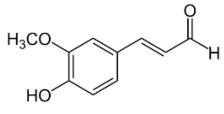
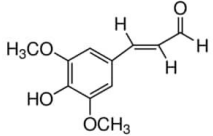
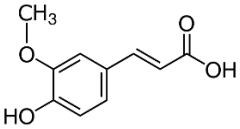
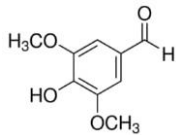
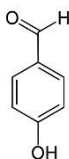
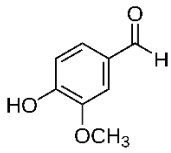
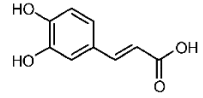
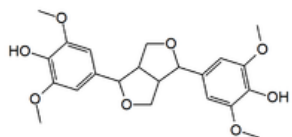
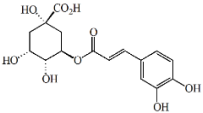
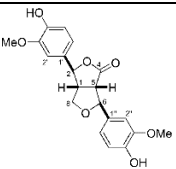
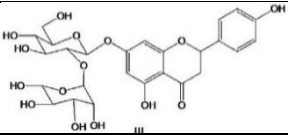
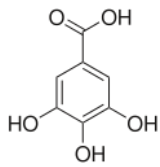
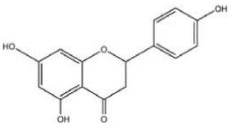
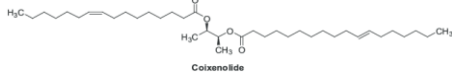
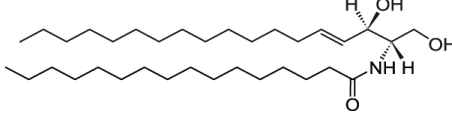


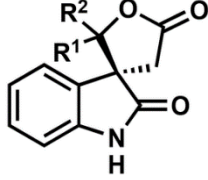
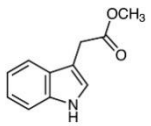
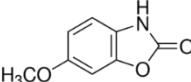
## Supplementary

One-OH polyphenolics occurring in Coicis	
Coniferyl alcohol	Syringic acid,
	
trans-coniferylaldehyde	Sinapaldehyde,
	
Ferulic acid	Syringaldehyde
	
<i>p</i> -Hydroxybenzaldehyde	Vanillin,
	
Two-OH polyphenolics/flavonoids occurring in Coicis	
Caffeic acid	<a href="#">Syringaresinol</a>
 Caffeic Acid	
Chlorogenic acid	4-ketopinoresinol
	
Naringin	
	
Three-OH polyphenolics/flavonoids occurring in Coicis	
<a href="#">Gallic acid</a>	Naringenin

	
<b>Others</b>	
Coixenolide, (11E)-11-Octadecenoic acid (1S,2R)-1-methyl-2-[[ (9Z)-1-oxo-9-hexadecenyl]oxy]propyl ester	Mayuenolide, a lignan
	
<b>Ceramide</b>	
	

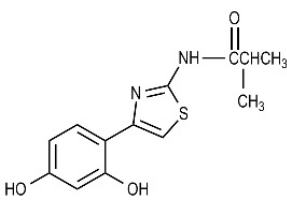
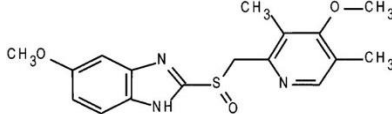
**Figure S1.** The cited main polyphenolics and flavonoids identified in coicis.\*

\*Rearranged from Kuo *et al.*(2012) and Ragasa et al., (2014) [4,23].

<b>Heterocyclic compounds occurring in Coicis</b>	
Coixspirolactams A-E	
 <p><b>Coixspirolactam A</b>, R<sup>1</sup> = R<sup>2</sup> = H  <b>Coixspirolactam B</b>, R<sup>1</sup> = Me, R<sup>2</sup> = H; <b>Coixspirolactam C</b>, R<sup>1</sup> = H, R<sup>2</sup> = Me  <b>Coixspirolactam D</b>, R<sup>1</sup> = Ac, R<sup>2</sup> = H; <b>Coixspirolactam E</b>, R<sup>1</sup> = H, R<sup>2</sup> = Ac</p>	
Methyl dioxindole-3-acetate	Coixol (6-methoxy-2-benzoxazolinone)
	

**Figure S2.** Main heterocyclic compounds identified in coicis.\*

\*Rearranged from Kuo *et al.*(2012) and Ragasa et al., (2014) [4,23].

Potent anti-hTyrosinase compound	Potent anti-fruit tyrosinase compound
Thiamidol (isobutylamido-thiazolyl-resorcinol)	Omeprazole (5-Methoxy-2-[[ (4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-1H-benzimidazol)
	

**Figure S3.** Potent antityrosinase compounds.



**Figure S4.** Morphology of coicis seeds.

\* a-e: dehulled seeds from different cultivars.