

**Table S1.** Isothiocyanates fraction described in wall rocket and qualitative comparison with the related wild and salad rocket crops according to the literature.

VOC	Wall rocket	Wild rocket	Salad rocket	References
allyl ITC	+++ <sup>a,b</sup>			
benzyl ITC	+			
phenylethyl ITC	+			
3-butenyl ITC	+	+	+	11,22,26,34–36,39
3-methylbutyl ITC	+	+	+	11,39
pentyl ITC	+	+	+	11,34,35,38,39
hexyl ITC	+	+	+	11,34–39
3-(methylthio) propyl ITC		+	+	34,36,39
4-methylpentyl ITC		+	+	11,29,34,35,38–40
4-methylthio-3-butenyl ITC		+	+	34,39
4-(methylthio) butyl ITC		+++	+++	22,26,29,34–37,40
4-(methylsulfinyl) butyl ITC			+	22,40
4-mercaptobutyl ITC			+	22,29
5-(methylthio) pentyl ITC			+	26,36

<sup>a</sup> + indicates presence of the isothiocyanate in the profile; <sup>b</sup> +++ indicates main isothiocyanate described in the profile