

Table S1. Contents of carotenoid compounds (average \pm SD) in plants part used as pigment sources in hen diets.

Carotenoids	Marigold Flower	Basil Herb	Calendula Flower	Dandelion Flower
			$\mu\text{g/kg DM}$	
Total carotenes	428 \pm 21	189 \pm 14	679 \pm 21	786 \pm 23
Monohydroxy carotenoids	nd	8 \pm 1.4	353 \pm 20	345 \pm 21
Dihydroxy carotenoids	9572 \pm 141	245 \pm 14	322 \pm 28	248 \pm 16
Polioxy carotenoids	nd	nd	653 \pm 24	506 \pm 34
Total xanthophylls	9572 \pm 141	286 \pm 21	1328 \pm 75	1099 \pm 74
Total carotenoids	10000 \pm 121	476 \pm 35	2007 \pm 96	1885 \pm 51

DM: dry matter; nd: not detected.