

Parasite regulation in small ruminants: potential of herbal mixtures

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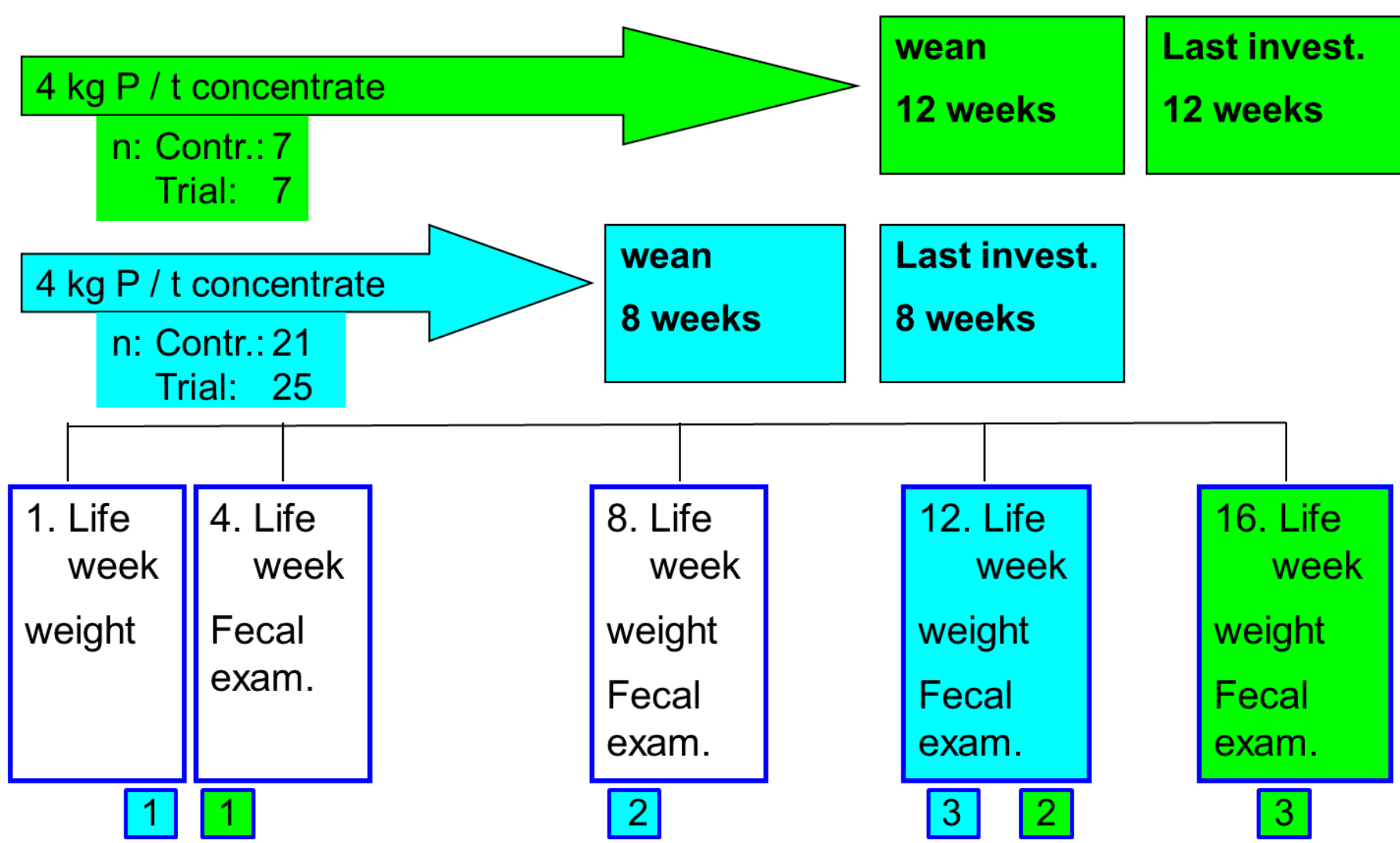
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The aim of these studies was to examine the effect of two herbal mixtures (P, V) and one extract (A) on oocyst and egg excretion (Opg, Epg) and weight gain in lambs, fattening lambs, sheep and goats.

Methods

Lambs



Fattening lambs

		1. ex	2. Ex	3. + 4. ex	5. ex	6. ex	7. ex	8. ex
	n	18. LW	19. LW	20.-21 LW		22. LW	23. LW	24. LW
P	6	14. Sept	P 8 g/day/a			12. Okt		2. Nov
V	6	14. Sept	V 10g/d/a			12. Okt	V 10g/d/a	2. Nov
A	6	14. Sept	A 20ml/d/a			12. Okt	A 20ml/d/a	2. Nov
C	6	14. Sept			12. Okt			2. Nov

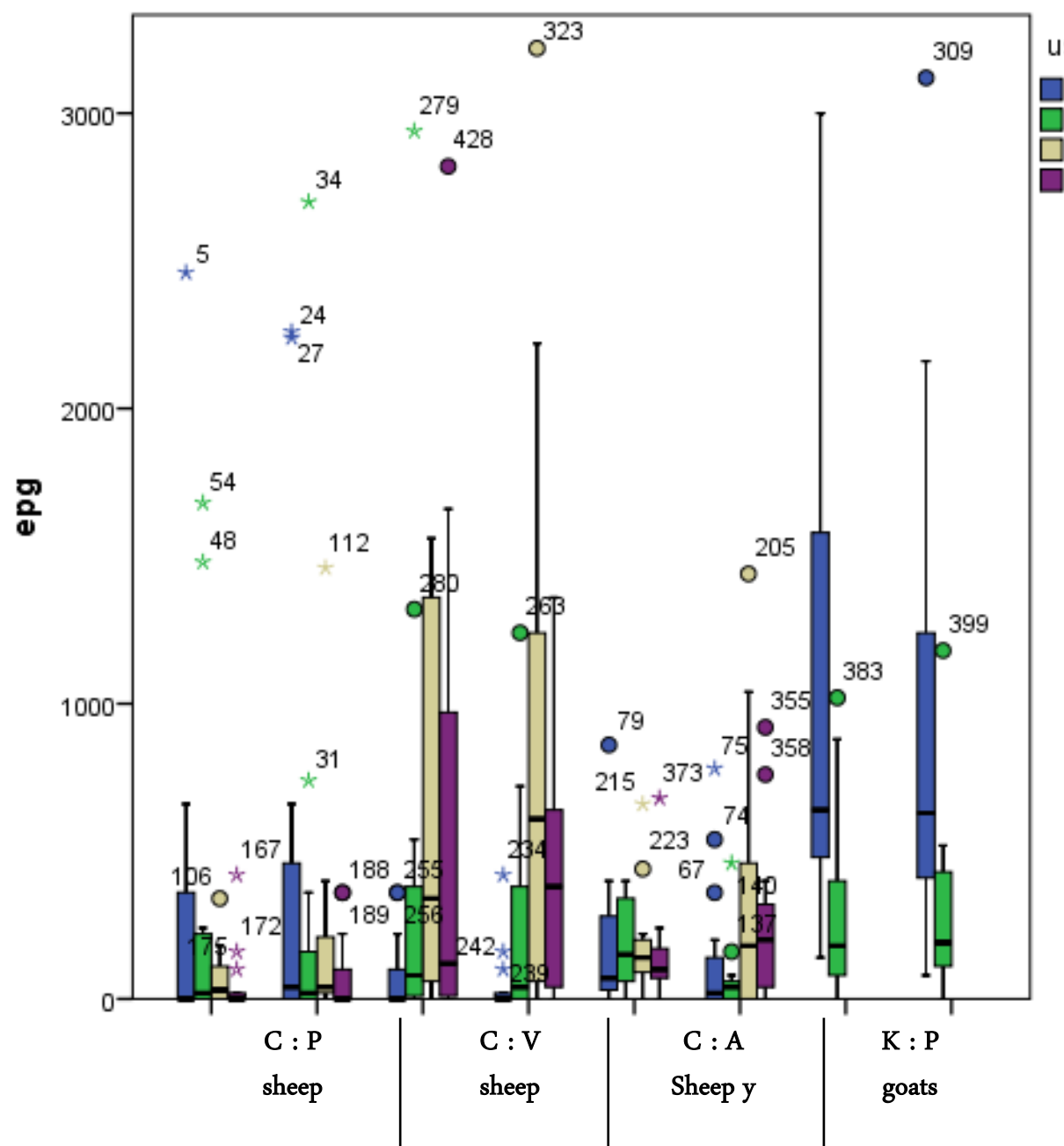
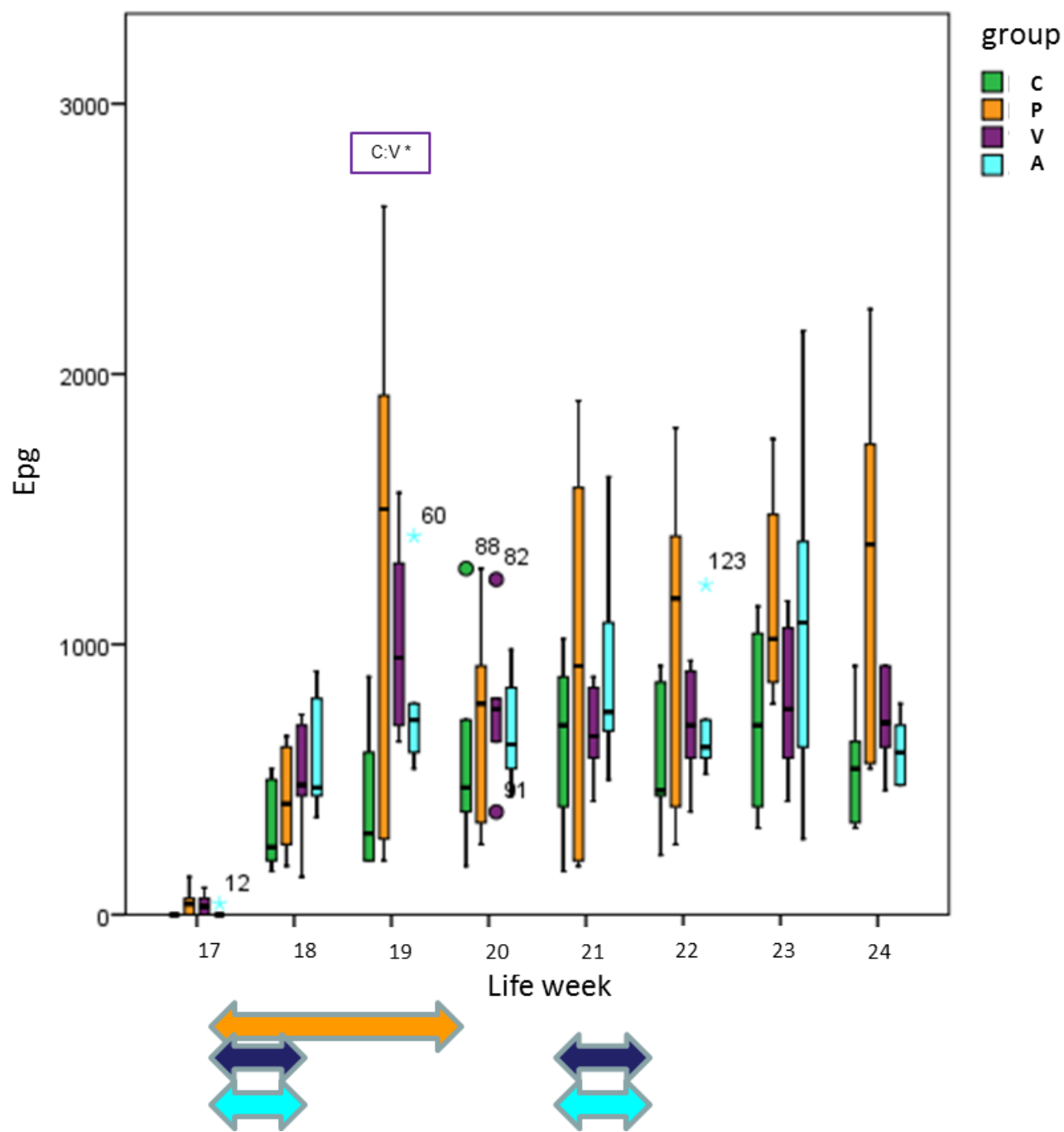
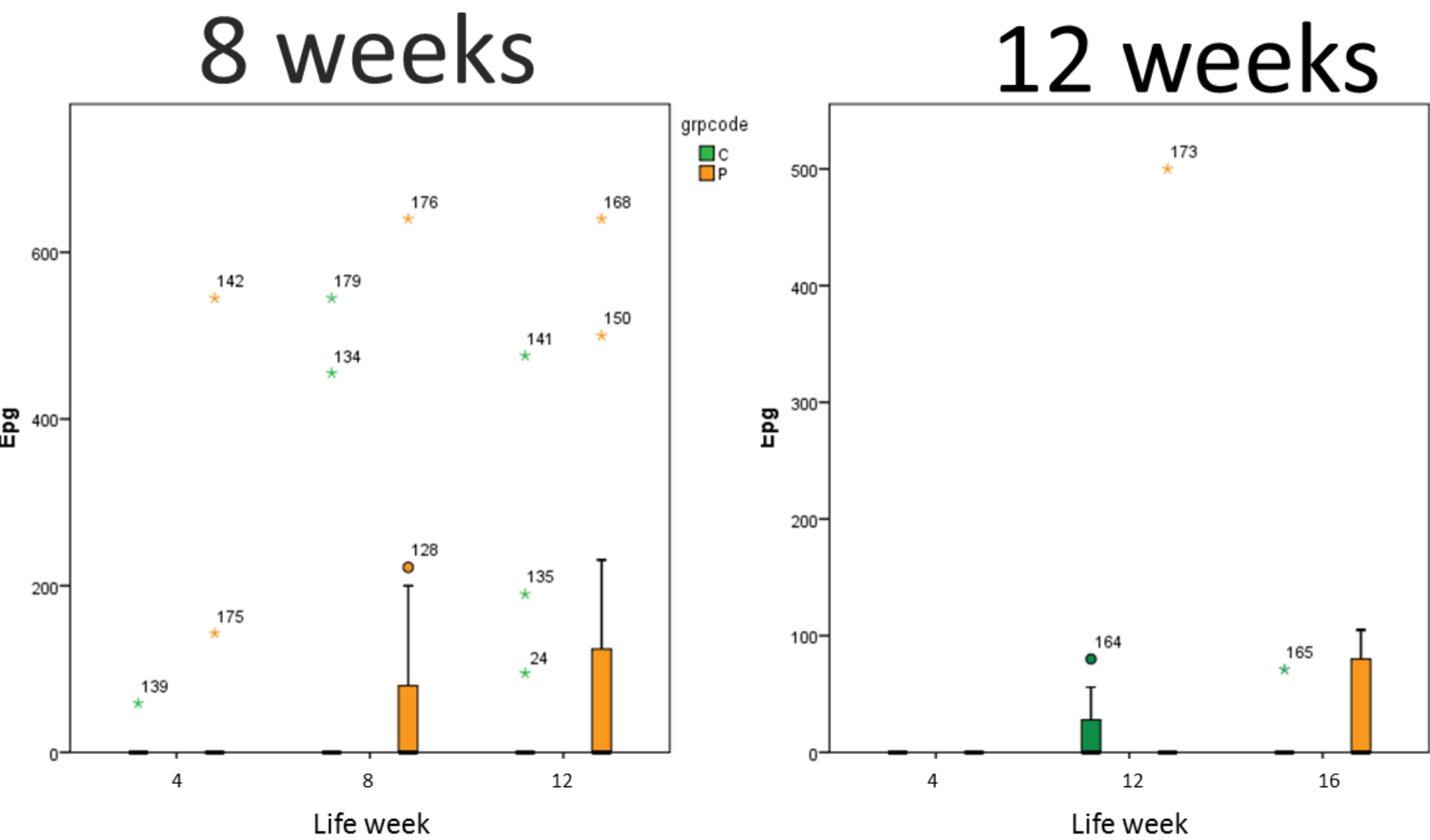
LW: life week, C: Control

Sheep and goats

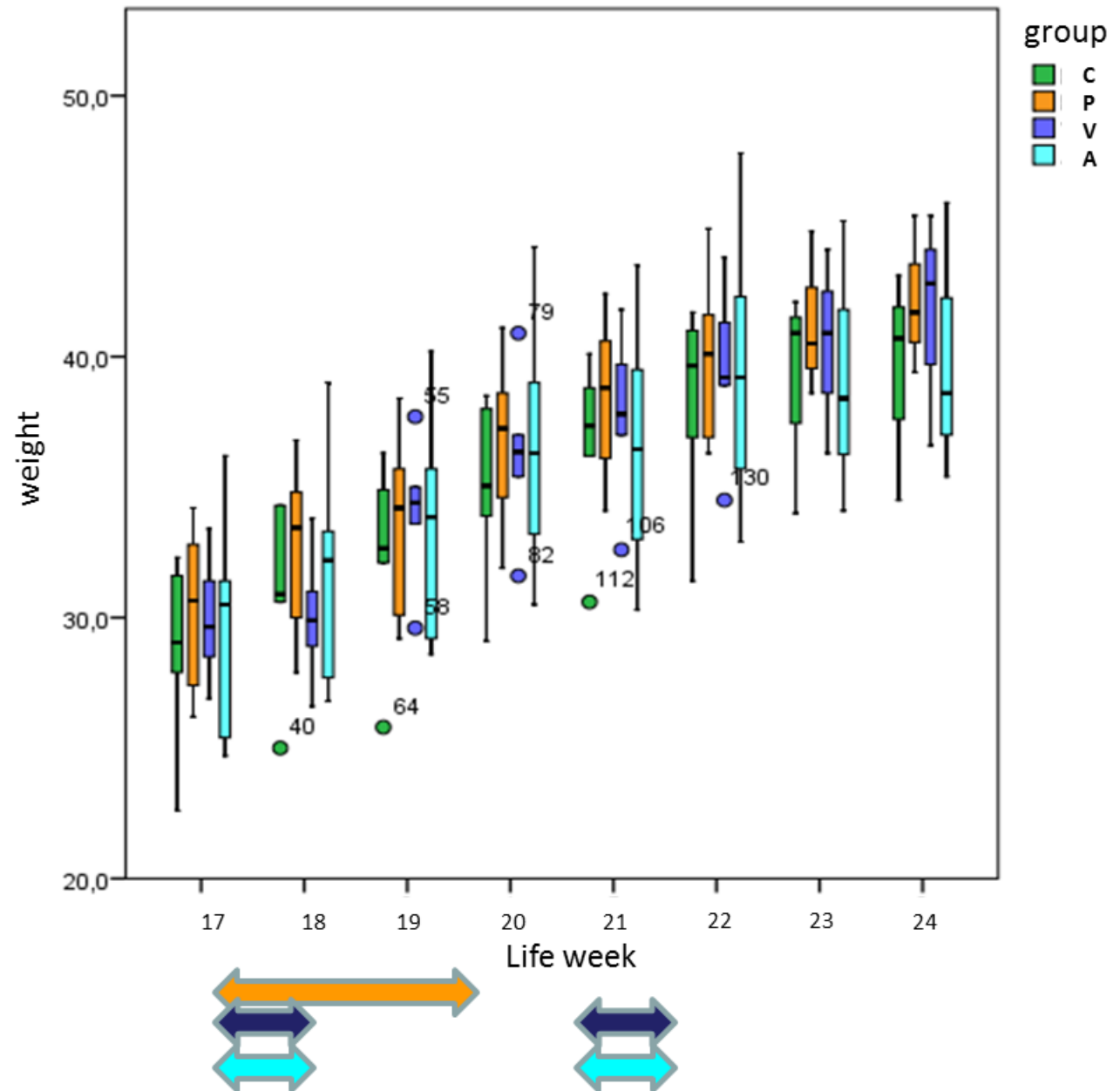
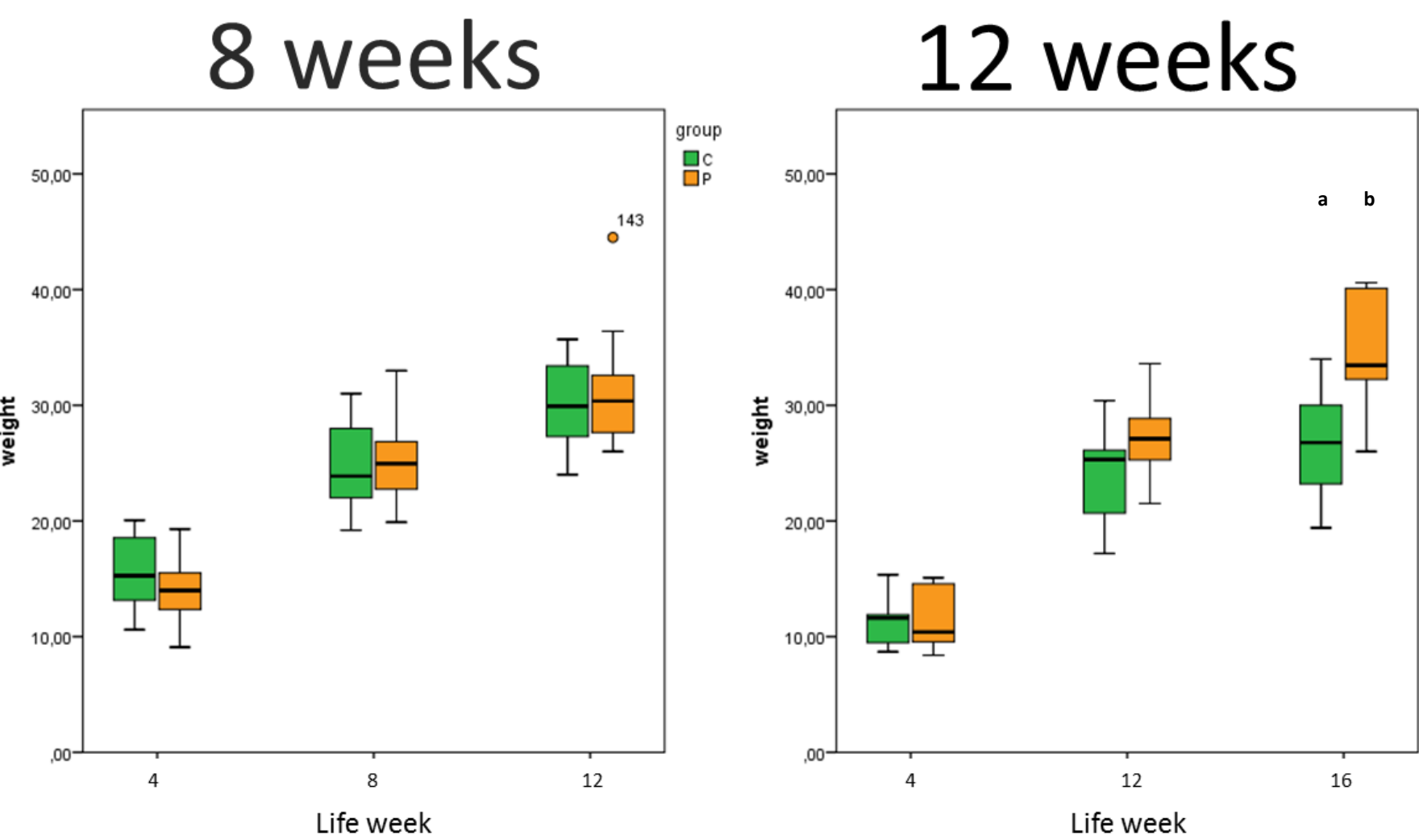
	n	1. ex	1.	2.-3.	4.	2. ex	5.	6.-8.	3. ex	9.	10.-12.	4. ex
S	V: 15 K: 14	20. April	P 8 g/day/a			24. Mai			28. Juni			12. Juli
S	V: 14 K: 15	12. Juli	V 10g/d/a			25. Aug	V 10g/d/a		26. Sept	V 10g/d/a		28. Okt
Sy	V: 18 K: 20	26. Mai	A 20ml/d/a			6. Juli	A 20ml/d/a		22. Aug			27. Sept
G	V: 12 K: 13	3. Sept	P 8 g/day/a			9. Okt						

S: sheep, Sy: sheep young, G: goat

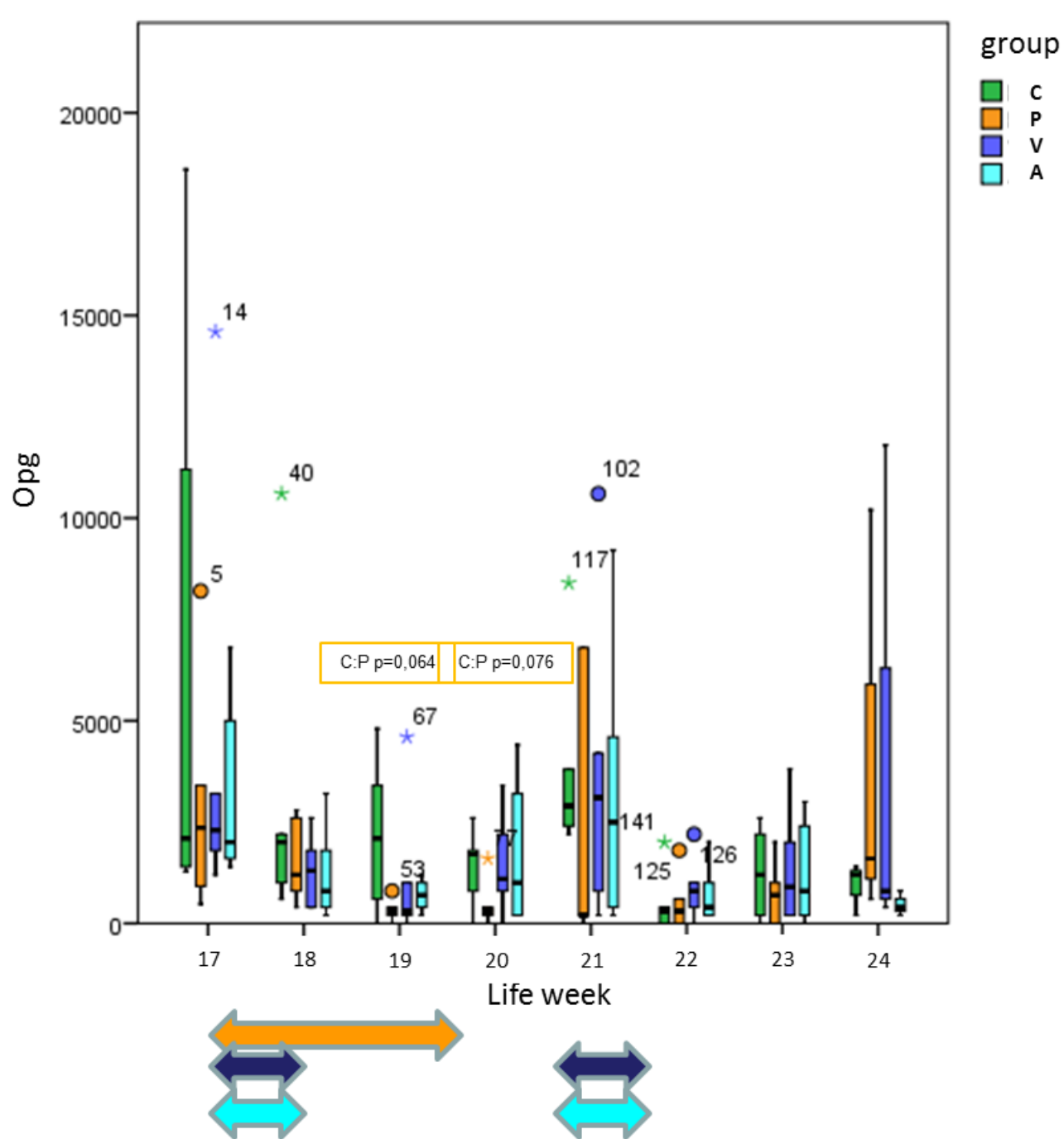
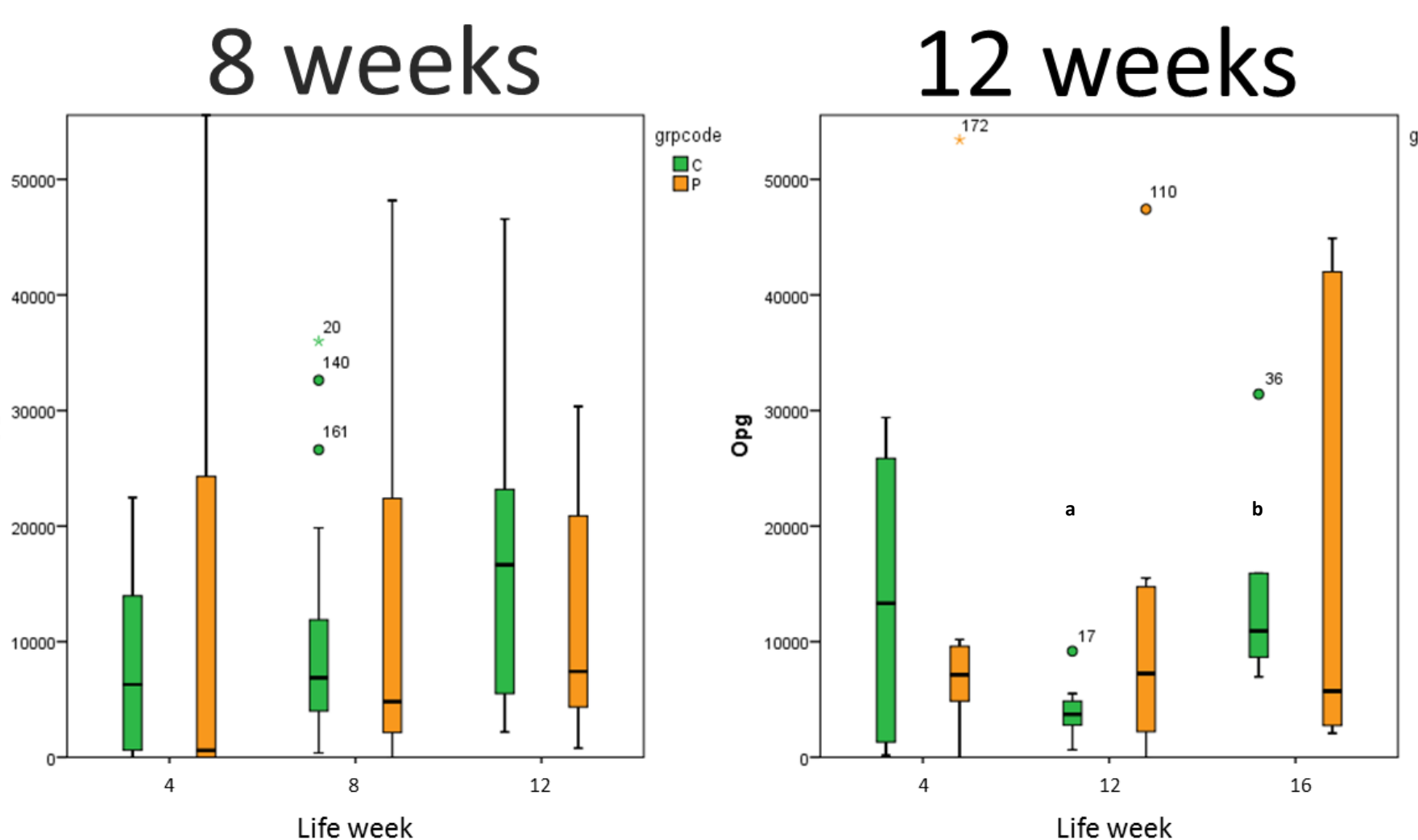
Epg



Weight



Opg



Herbs P (powdry)	
Garlic	Allium sativum
Turmeric	Curcuma longa
Himalayan cedar	Cedrus deodara
Ginger	Zingiber officinale
Long pepper	Piper longum
Herbs V (pelleted)	
Garlic	Allium sativum
Slippery elm	Ulma fulva
Peppermint	Mentha piperita
Thyme	Thymus vulgaris
Cleavers	Galium aparine
Cinnamon	Cinnamomum zeylan.
Common nettle	Urtica dioica
Quassia root	Picrasma excelsa
Herbs A (herbal extract)	
Garlic	Allium sativum
Mugwort	Artemis vulgaris
Walnut	Juglans regia
Clove	Syzygium aromat.

Conclusion: Feeding herbs according to the manufacturer's instructions didn't lead to an improvement in parasitological parameters. However, feeding herbs four weeks longer seemed to positively influence the development of body weight in weaned lambs. More examinations would be helpful to achieve better evidence about the potential of herbs in parasitic regulations.

