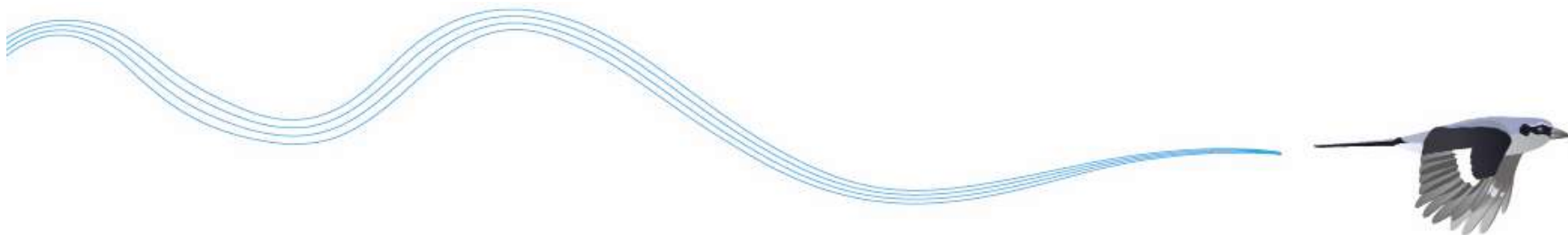


Wintervoederproject VWG De Kempen

Jan Kolsters 10 maart 2018



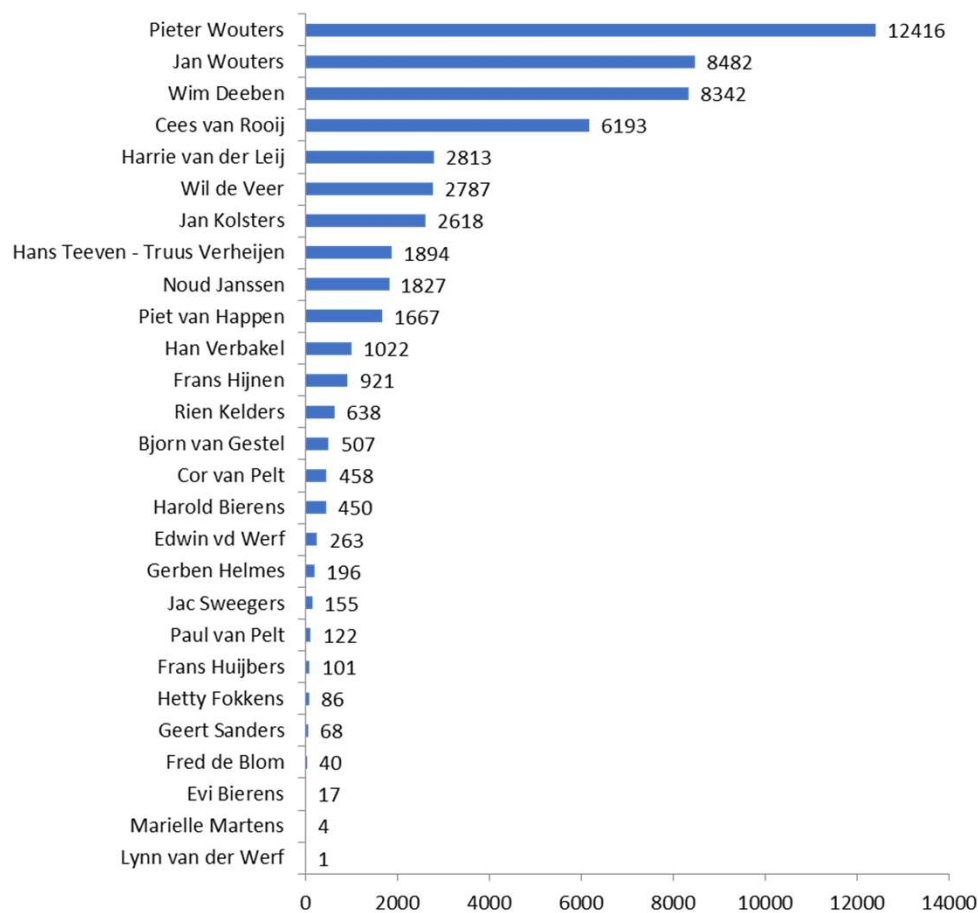
Opzet



Laagdrempelig
Vrije tijdsbesteding
Statistisch interessant
Beter waarnemen

Inzenders en waarnemingen

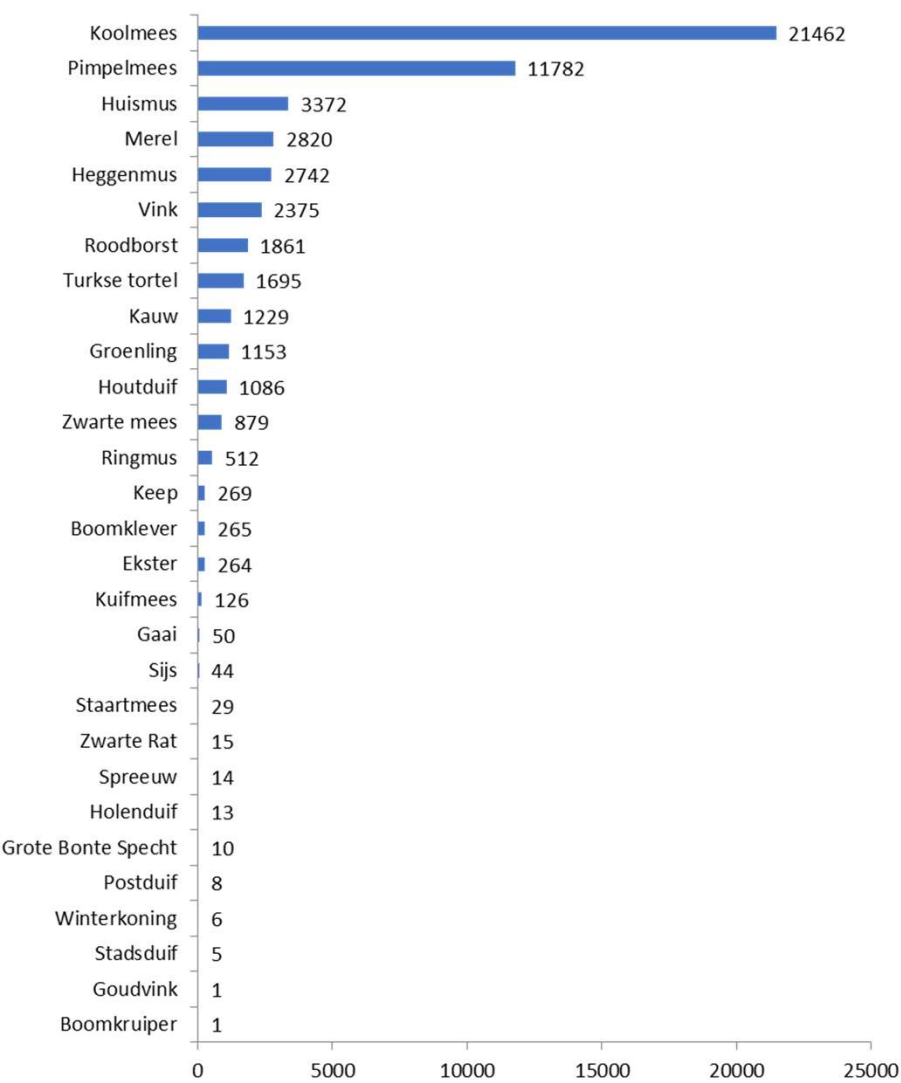
27 inzenders



54088 waarnemingen

De soorten

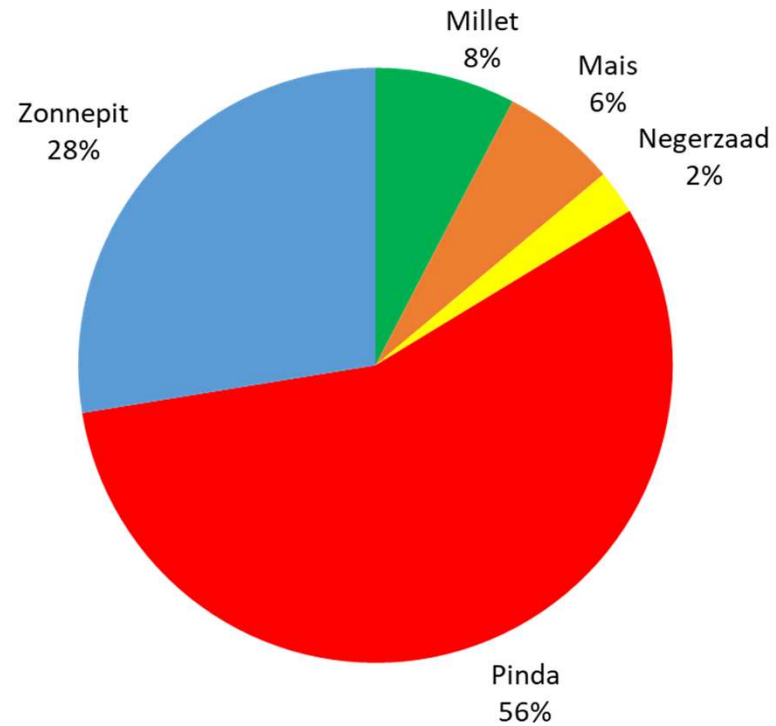
28 soorten (29)



54088 waarnemingen



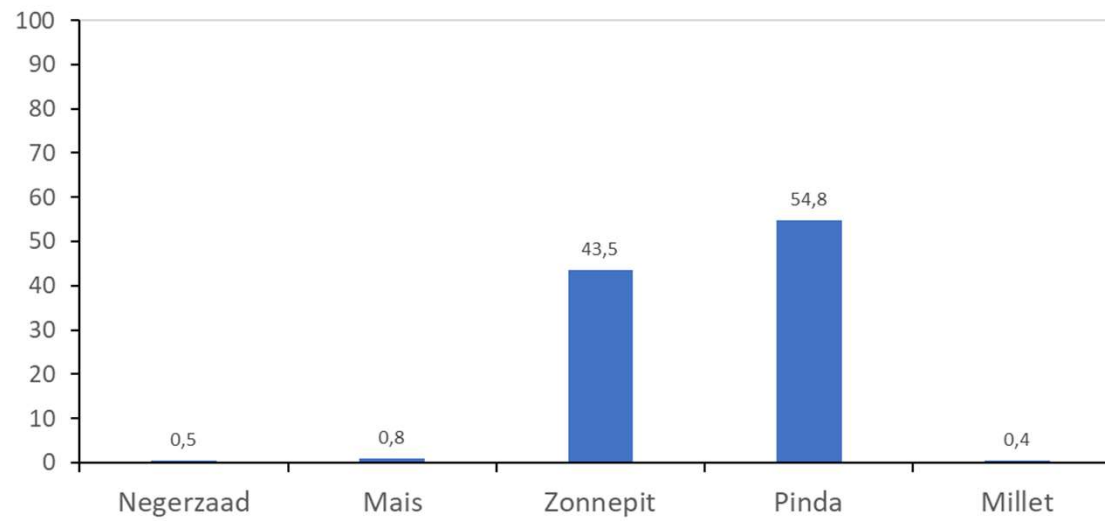
Wat wordt gekozen?



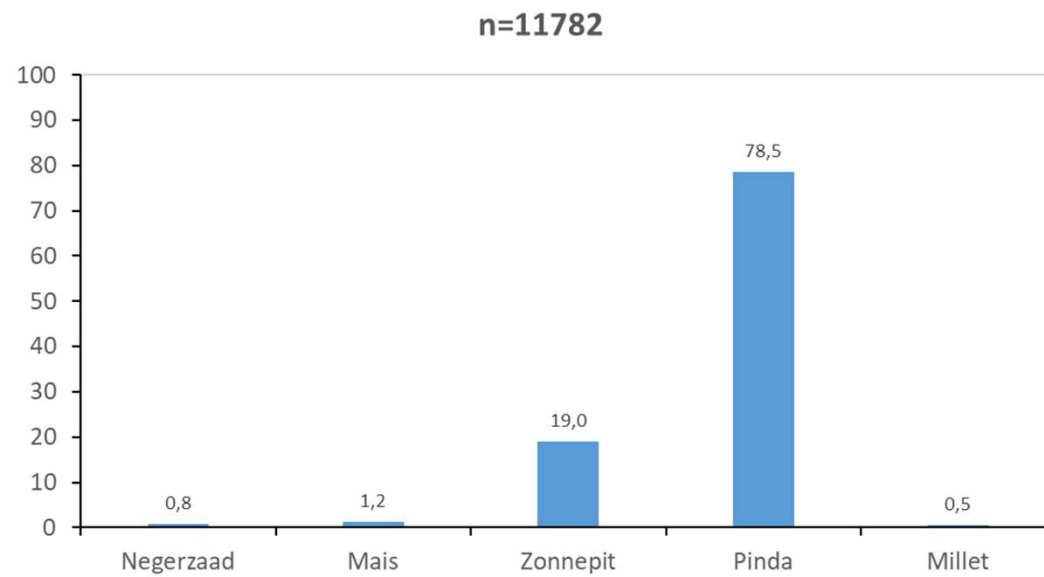
Koolmees



n=21462



Pimpelmees



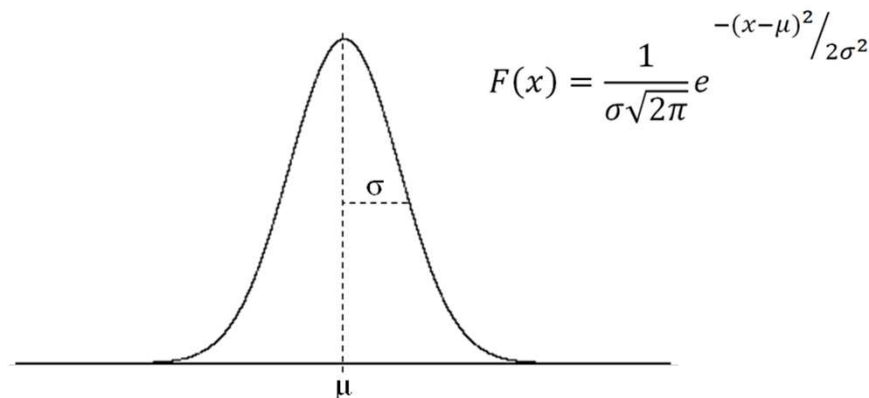
Statistiek voor fracties

$$\text{Fractie pinda (p)} = \frac{\text{aantal keren keuze pinda}}{\text{totaal aantal waarnemingen}}$$

$$\text{Fractie niet-pinda (q)} = \frac{\text{aantal keren keuze niet-pinda}}{\text{totaal aantal waarnemingen}}$$

$$p+q=1$$

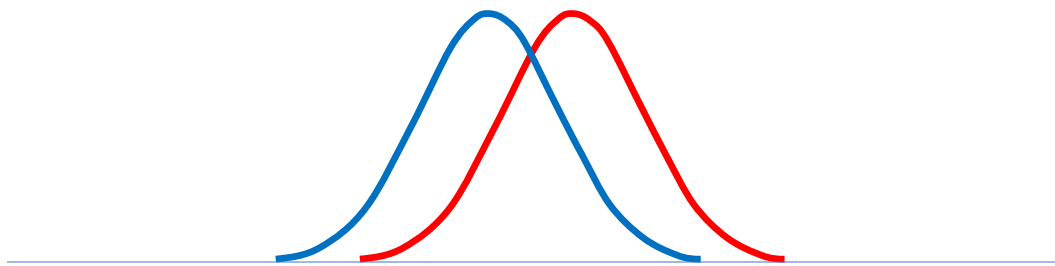
$$n>20$$



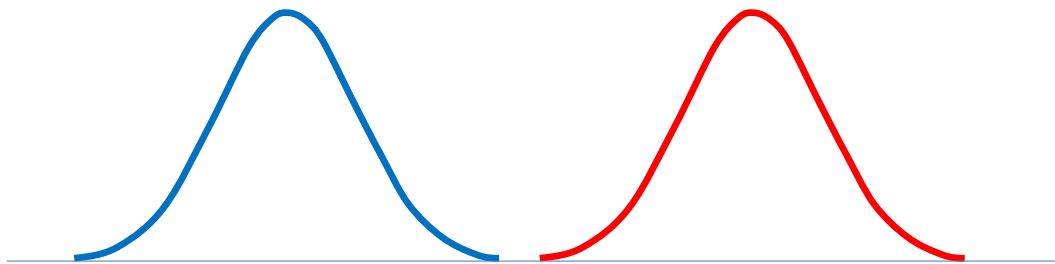
$$\text{Verwachtingswaarde} \quad \mu = p$$

$$\text{Standaarddeviatie} \quad \sigma = \sqrt{\frac{pq}{n}}$$

Significantie



niet significant

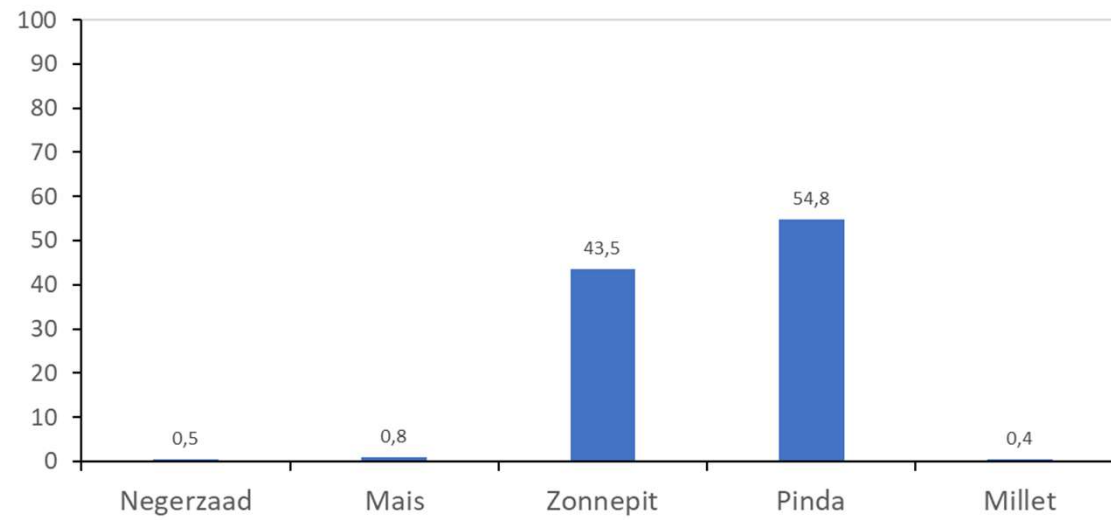


significant

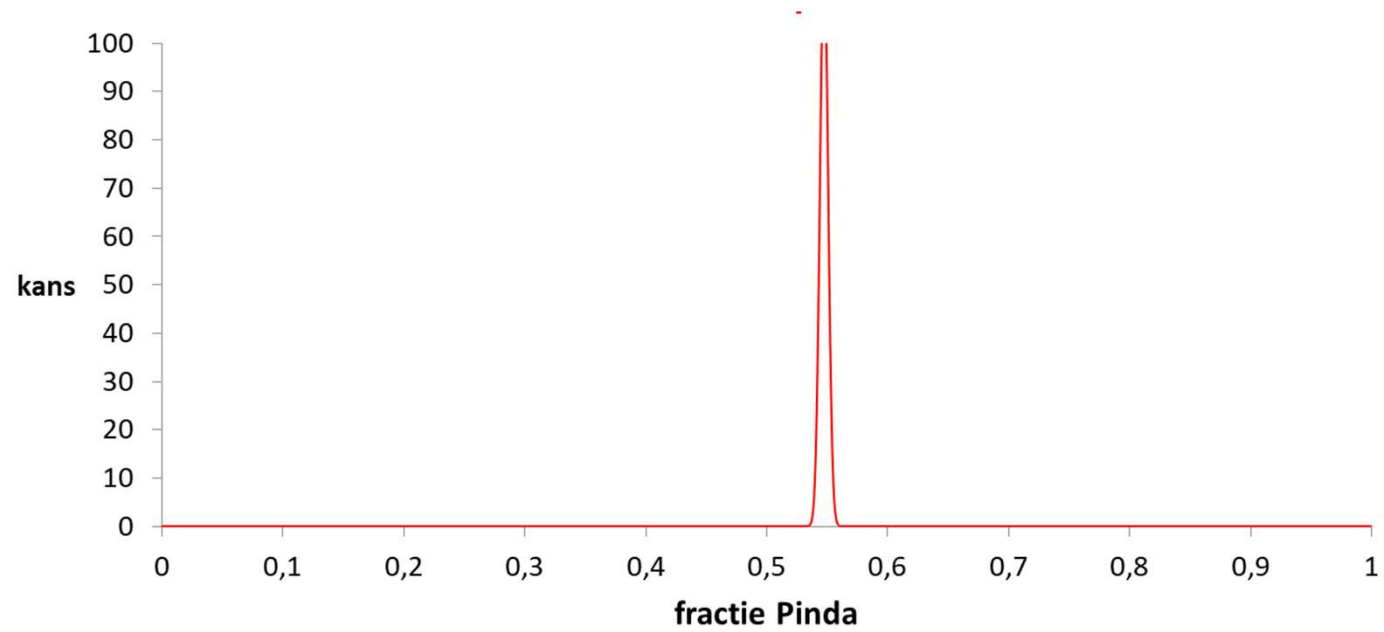
Koolmees



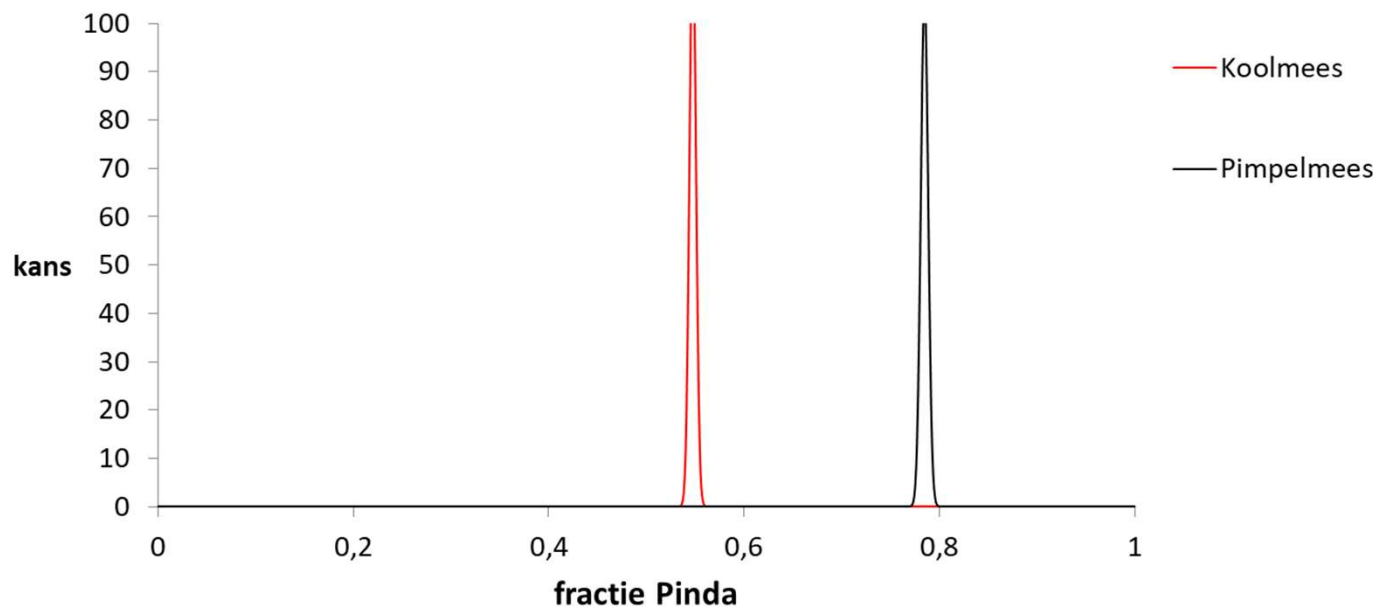
n=21462



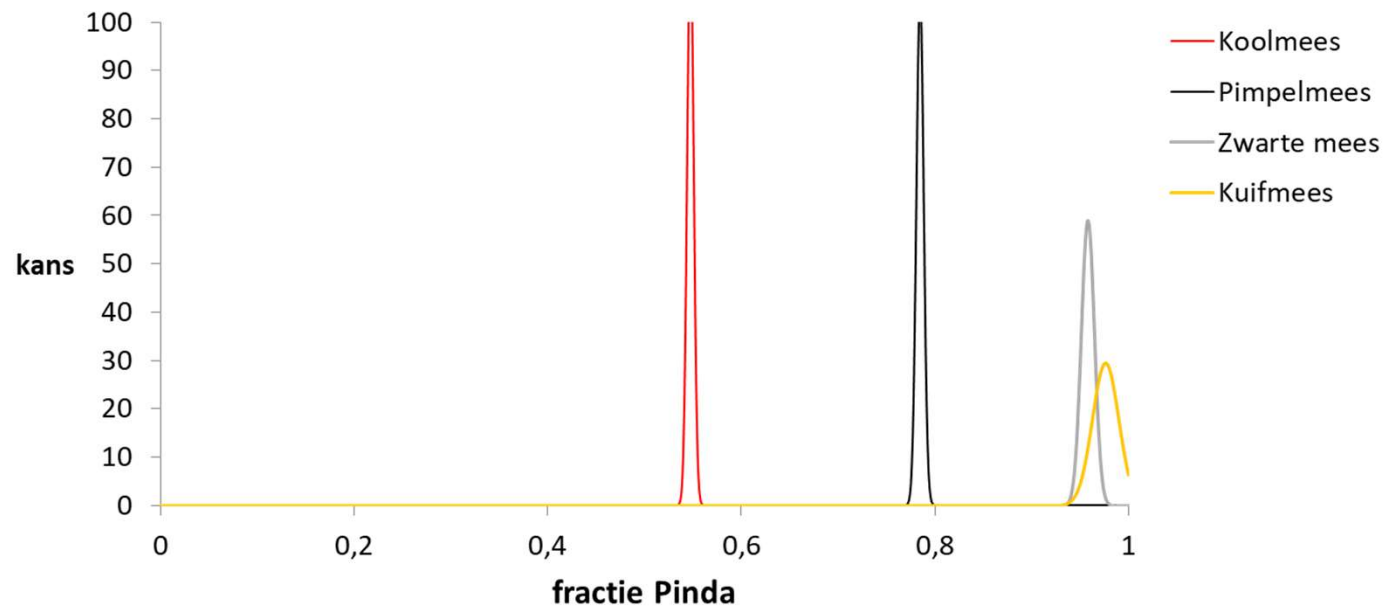
Koolmees



Koolmees-Pimpelmees



Alle mezen



Mezen

fractie Pinda



Koolmees



Pimpelmees



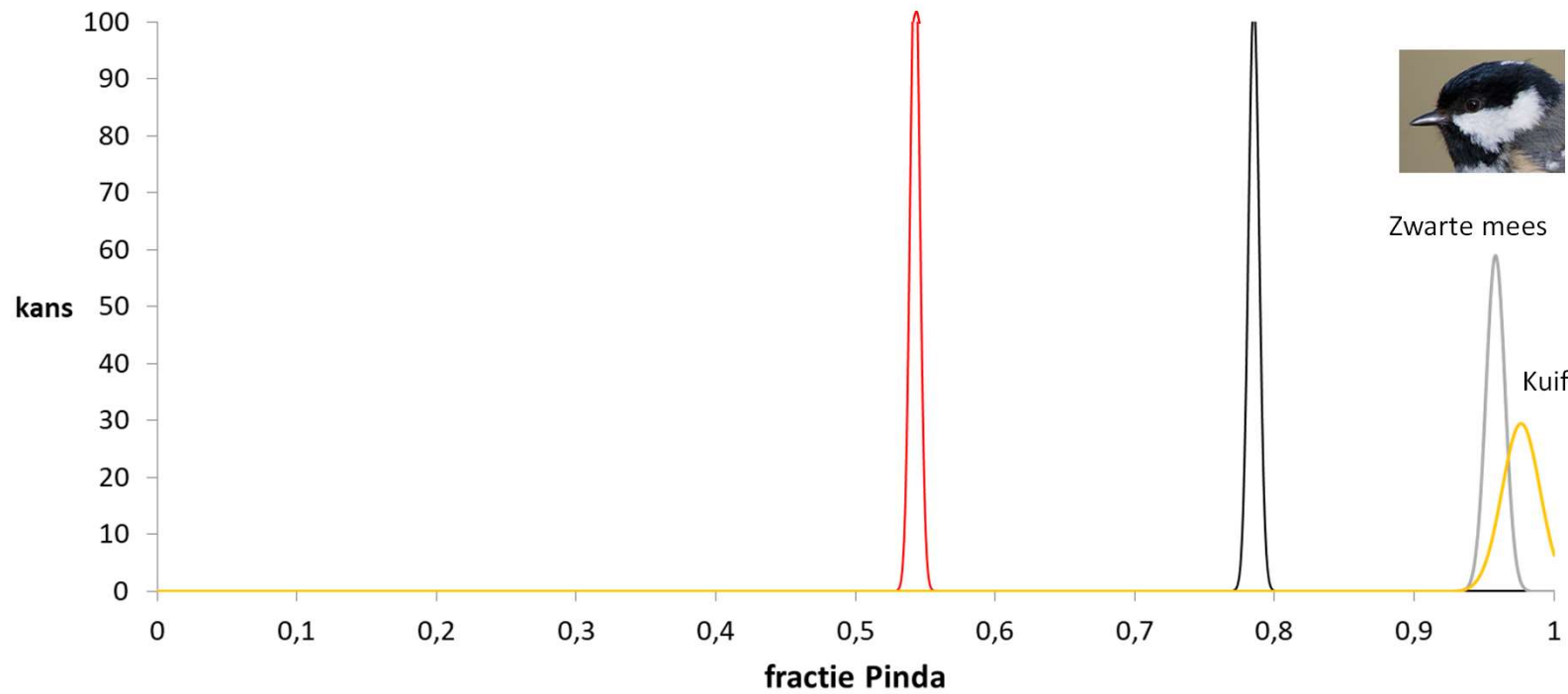
Zonnepit



Zwarte mees



Kuifmees

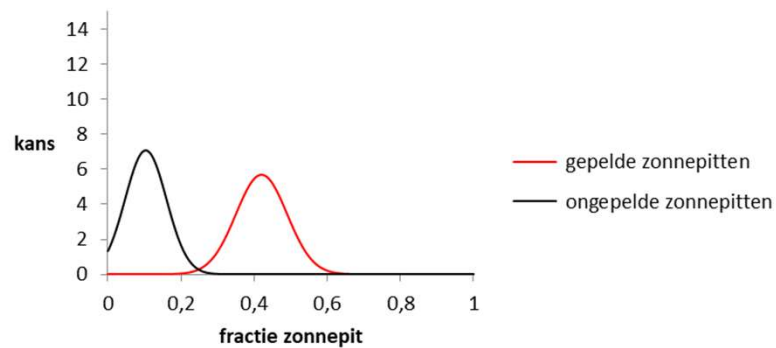




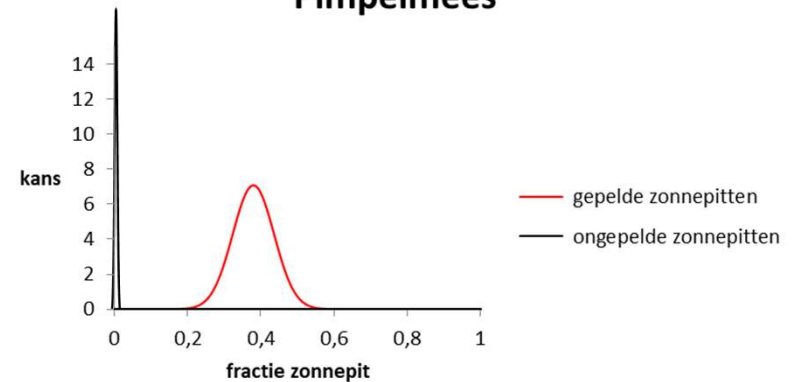
Gepelde/ongepelde zonnepitten



Koolmees

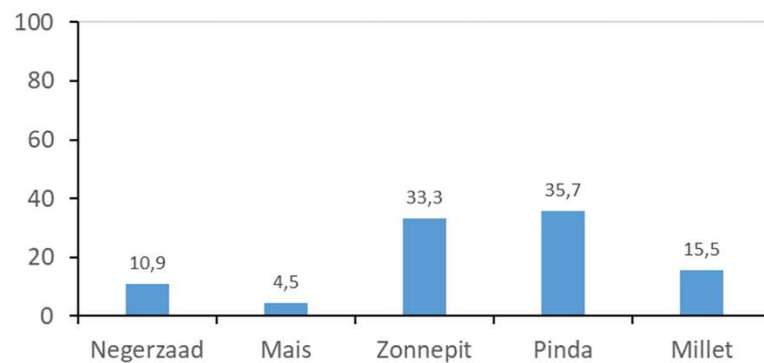


Pimpelmees

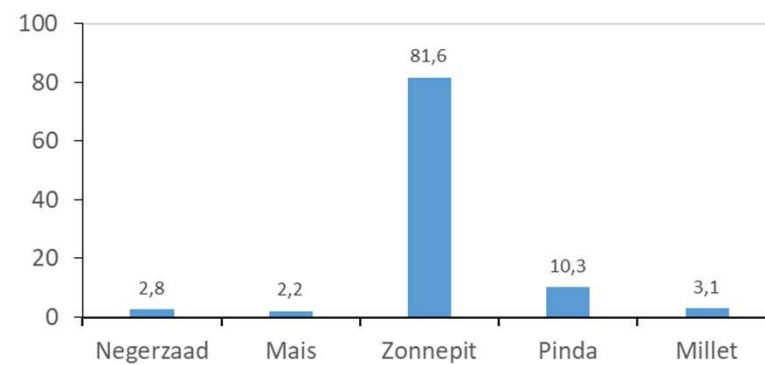




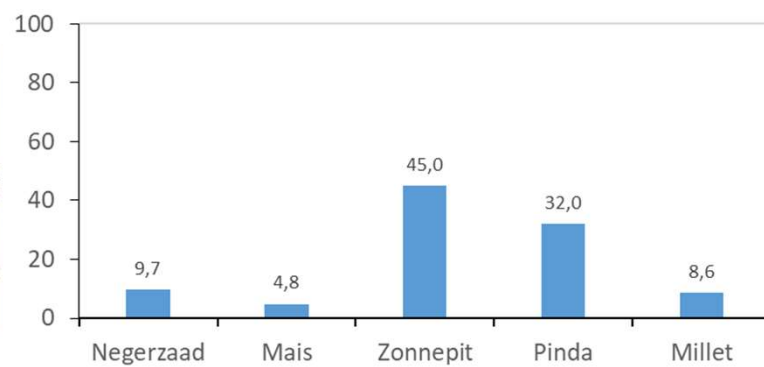
Vink (n= 2375)



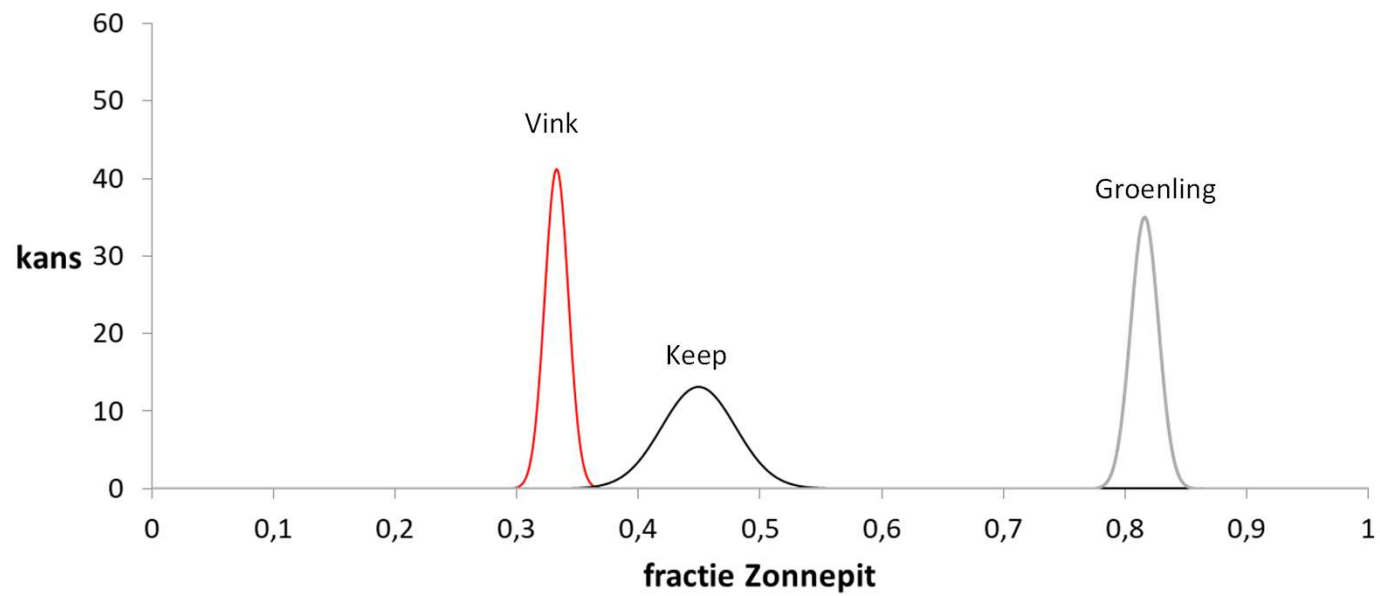
Groenling (n= 1153)



Keep (n=269)



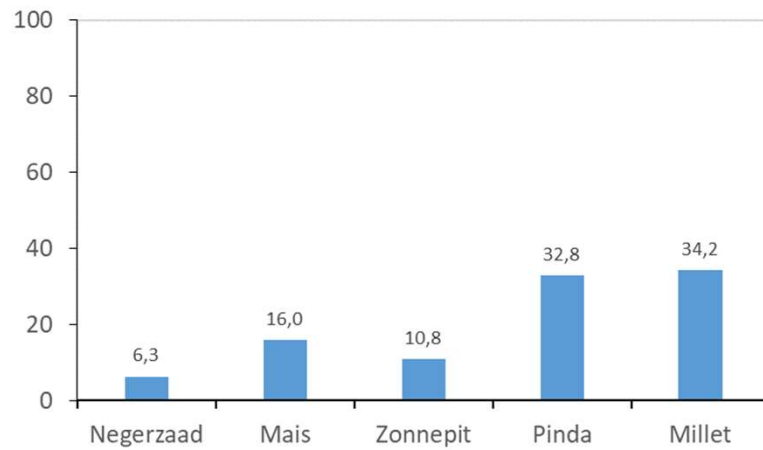
Vinken



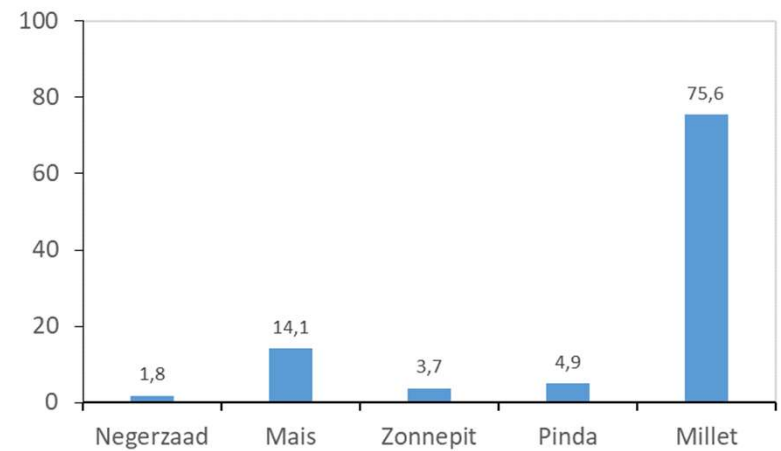
Mussen



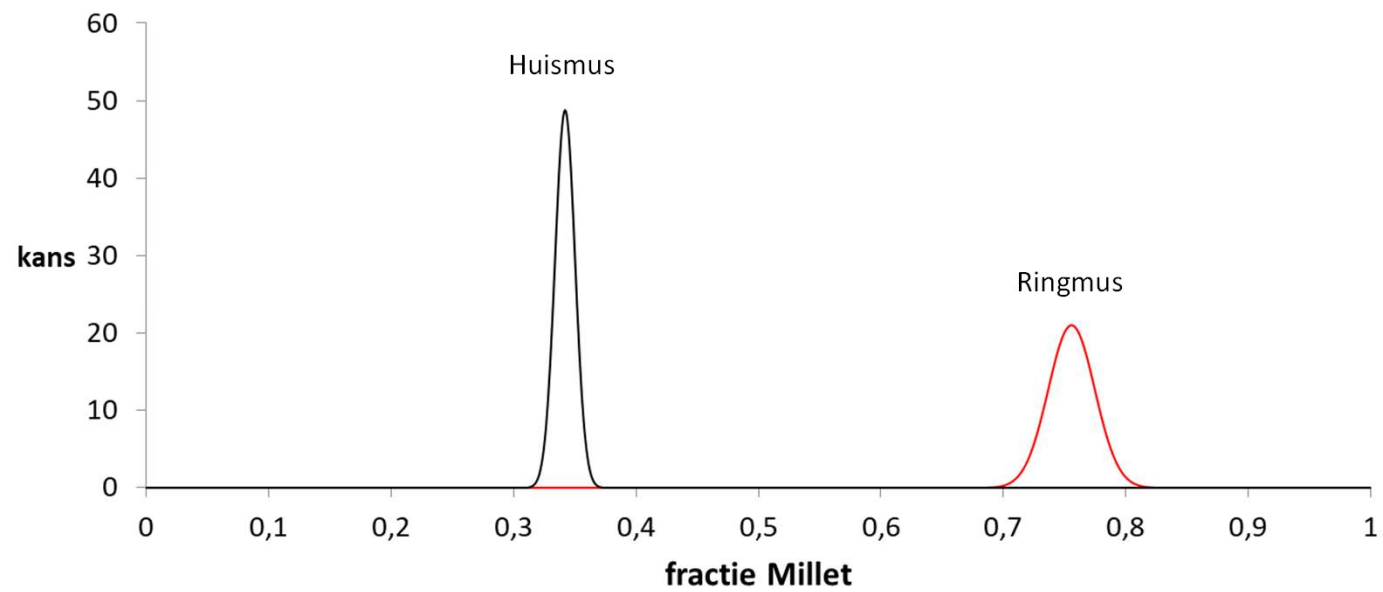
Huisemus (n=3372)



Ringmus (n=512)



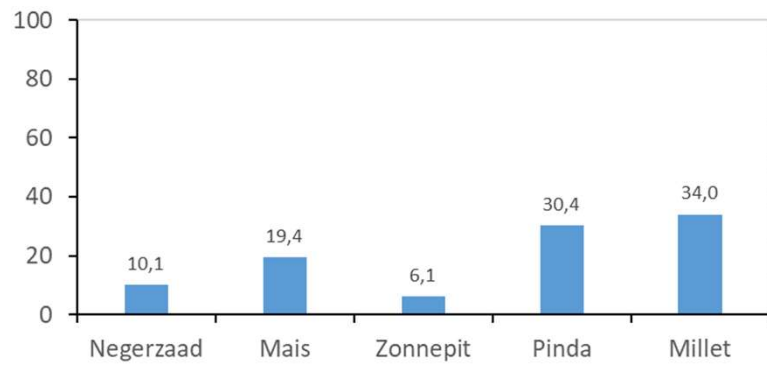
Mussen



Heggenmus



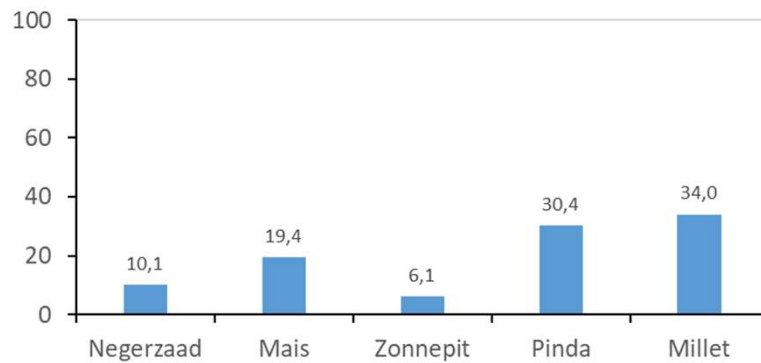
Heggenmus (n= 2742)



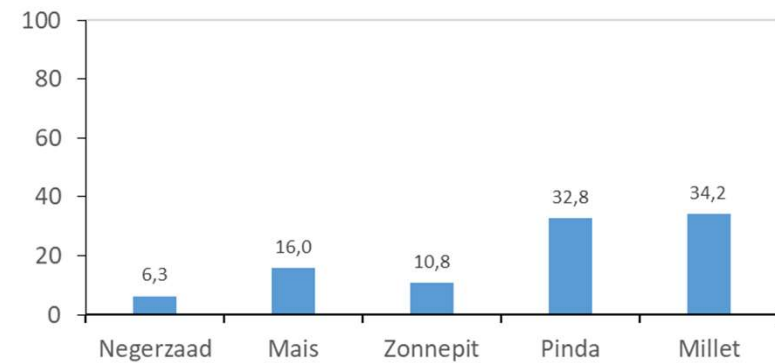
Heggenmus



Heggenmus (n= 2742)



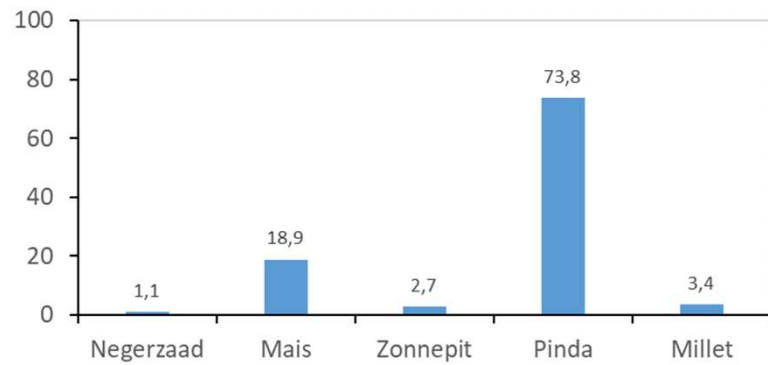
Huisemus (n=3372)



Merel



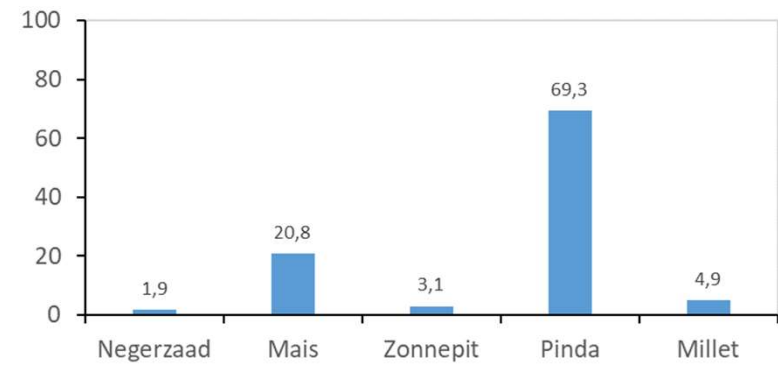
Merel (n= 2820)



Roodborst



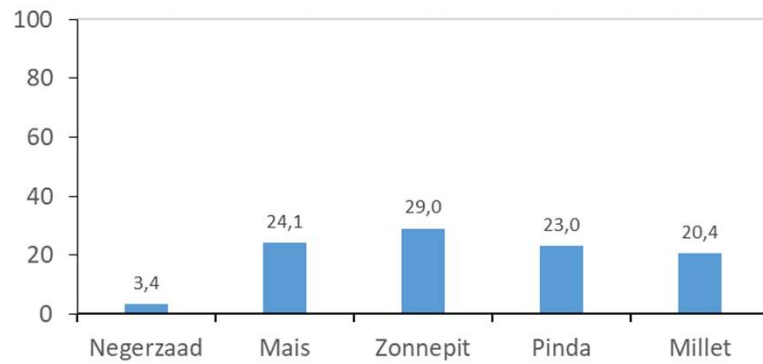
Roodborst (n=1850)



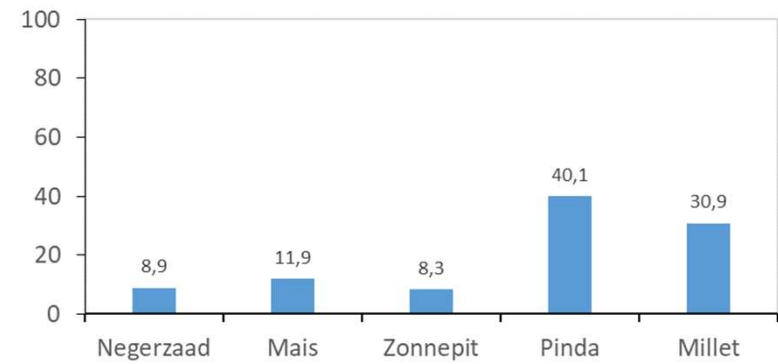
Duiven



Houtduif (n= 1086)



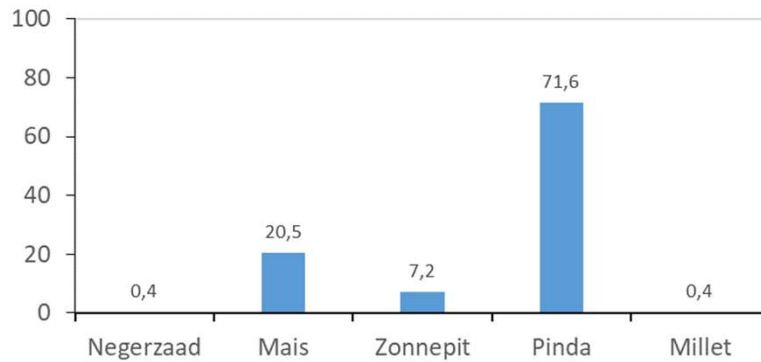
Turkse Tortel (n= 1695)



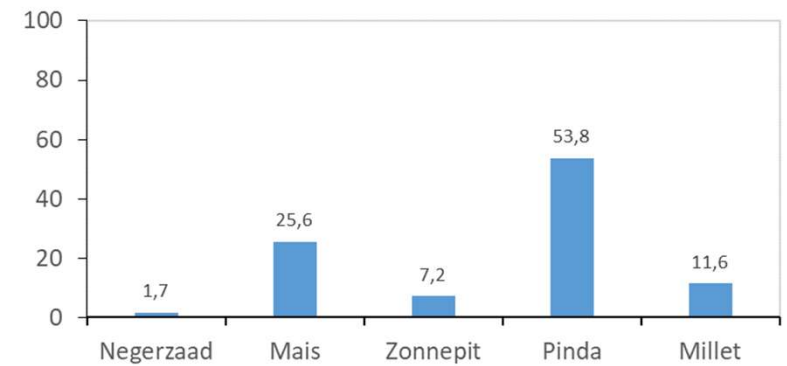
Kraaiachtigen



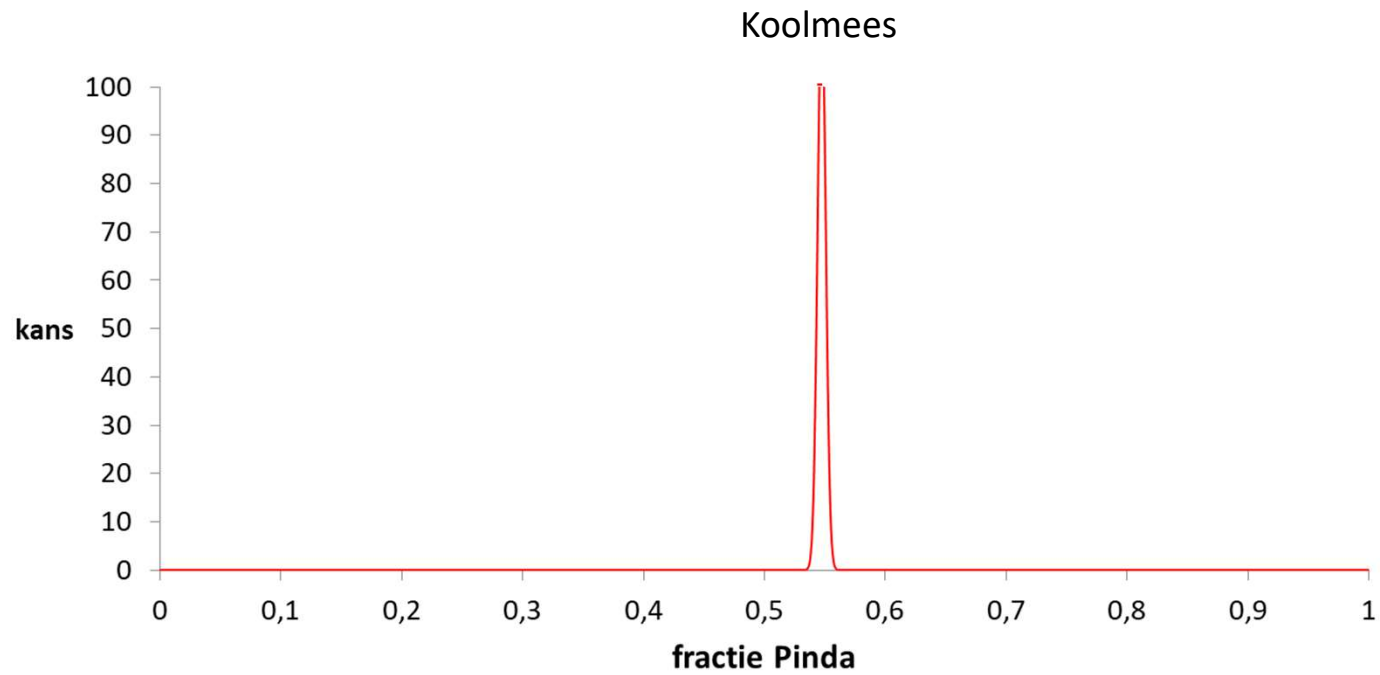
Ekster (n=264)



Kauw (n=1229)

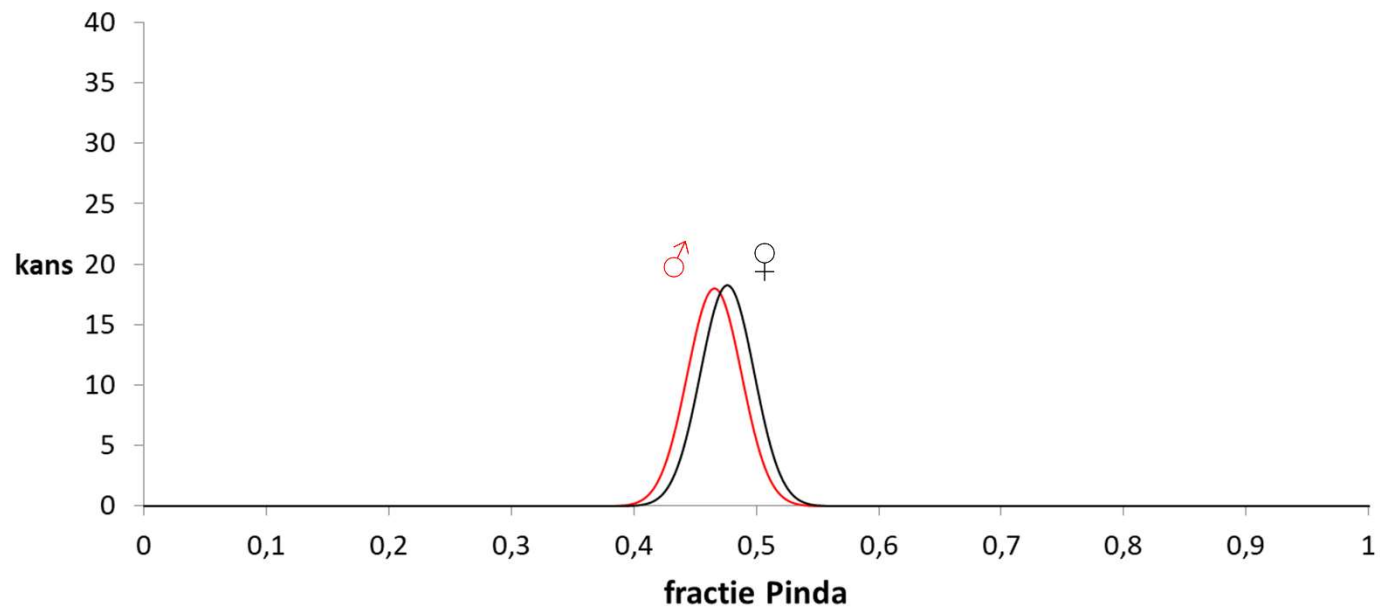


Man-vrouw



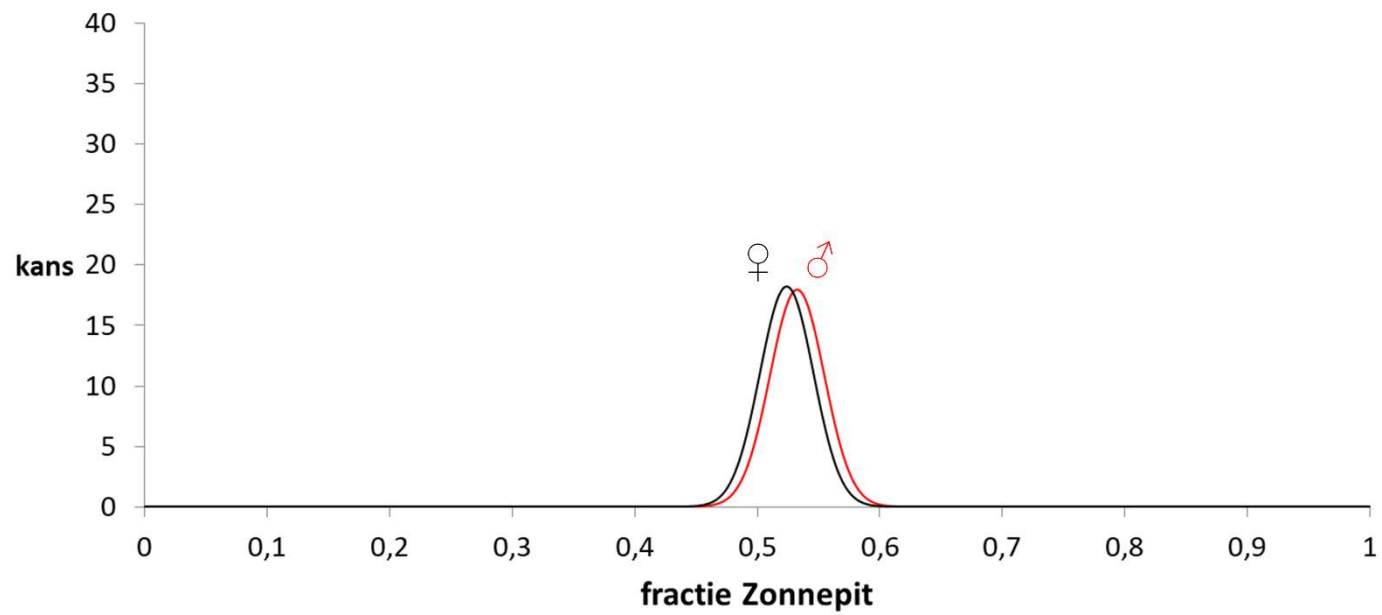
Koolmees

Pinda

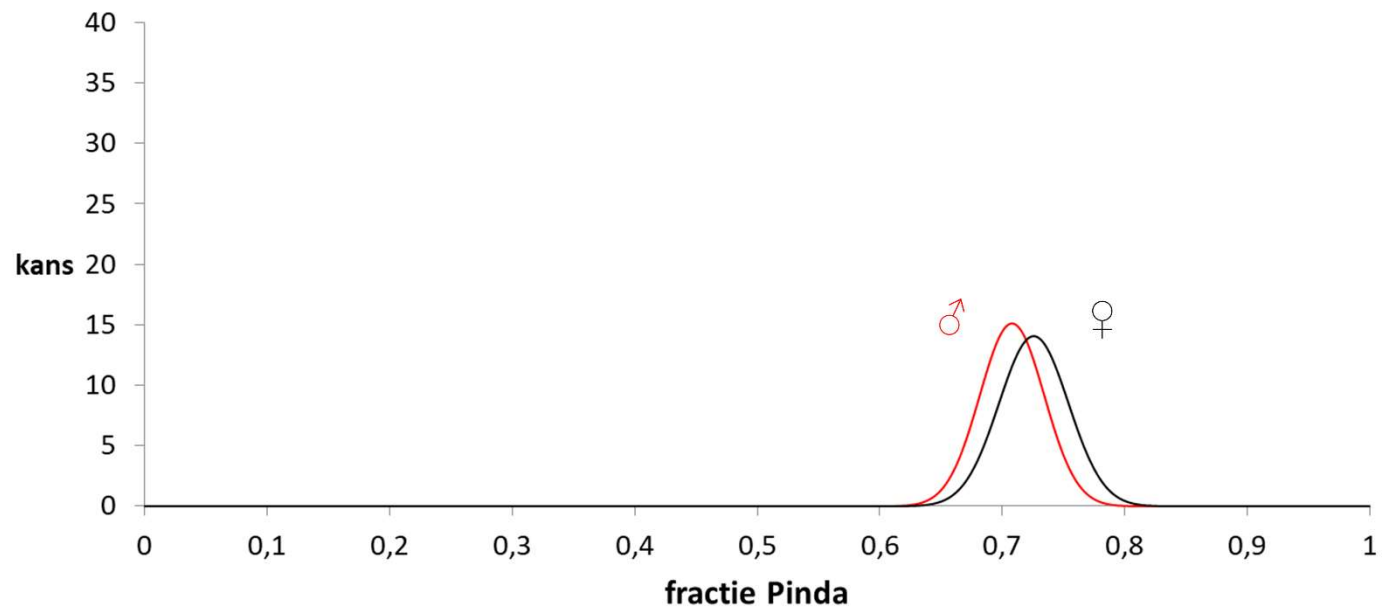


Koolmees

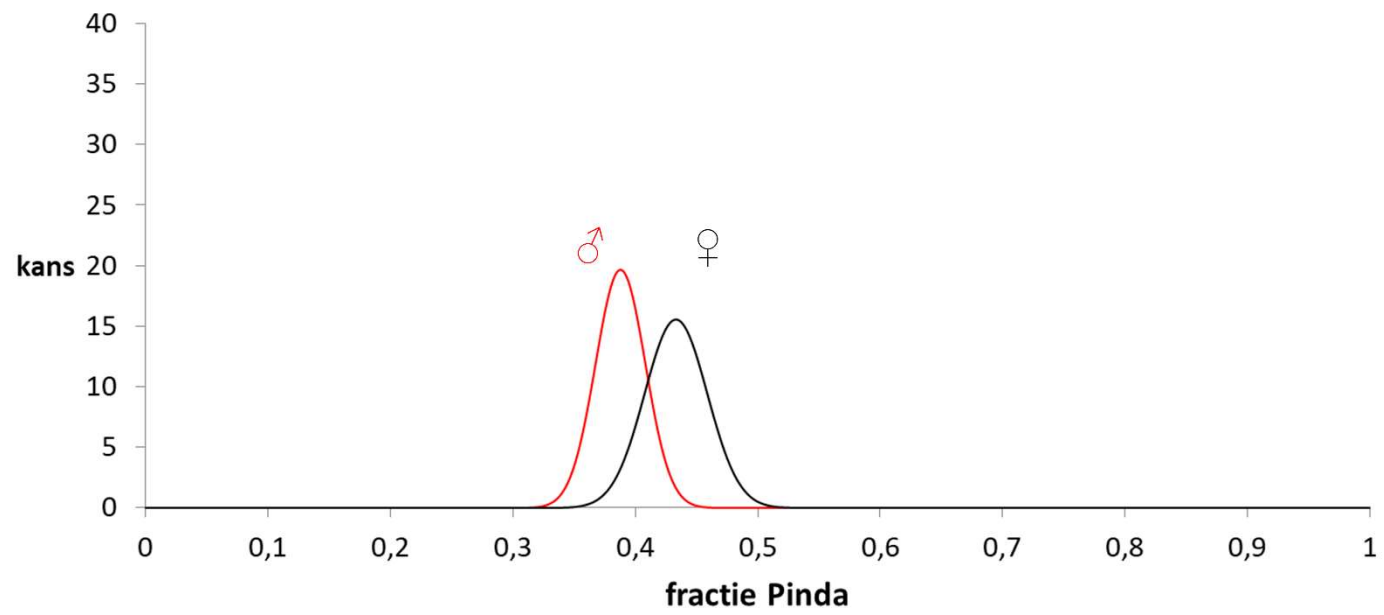
Zonnepit



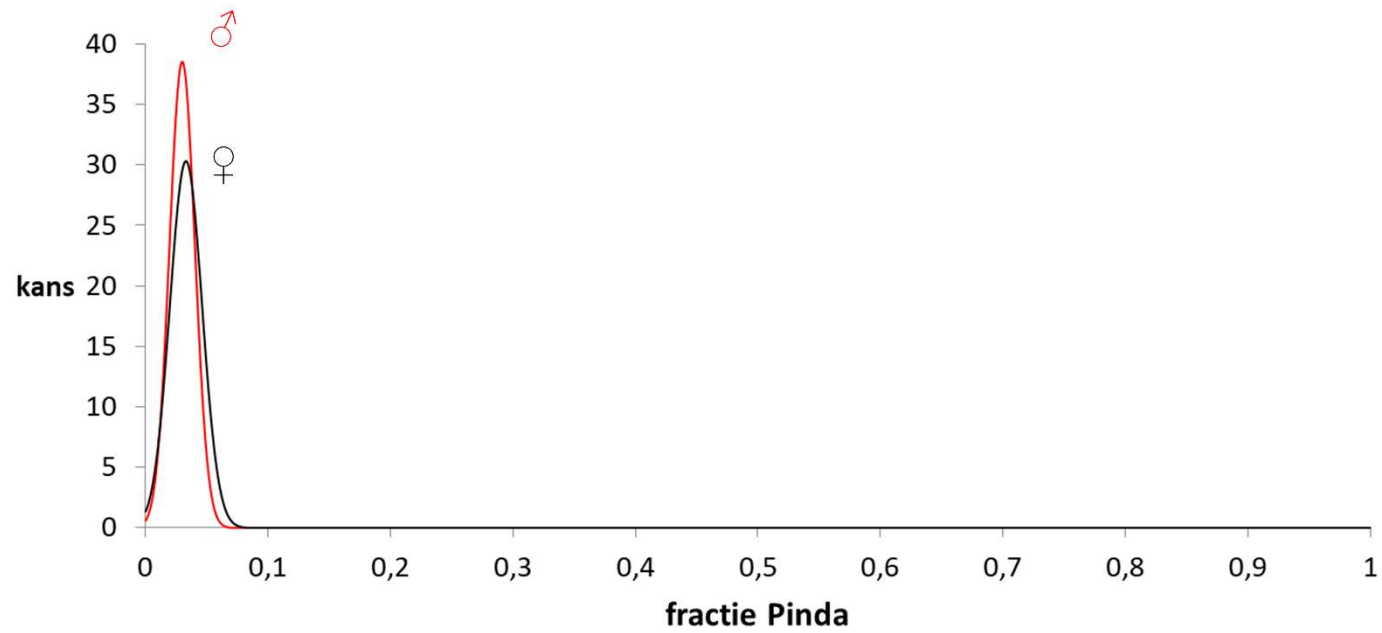
Merel



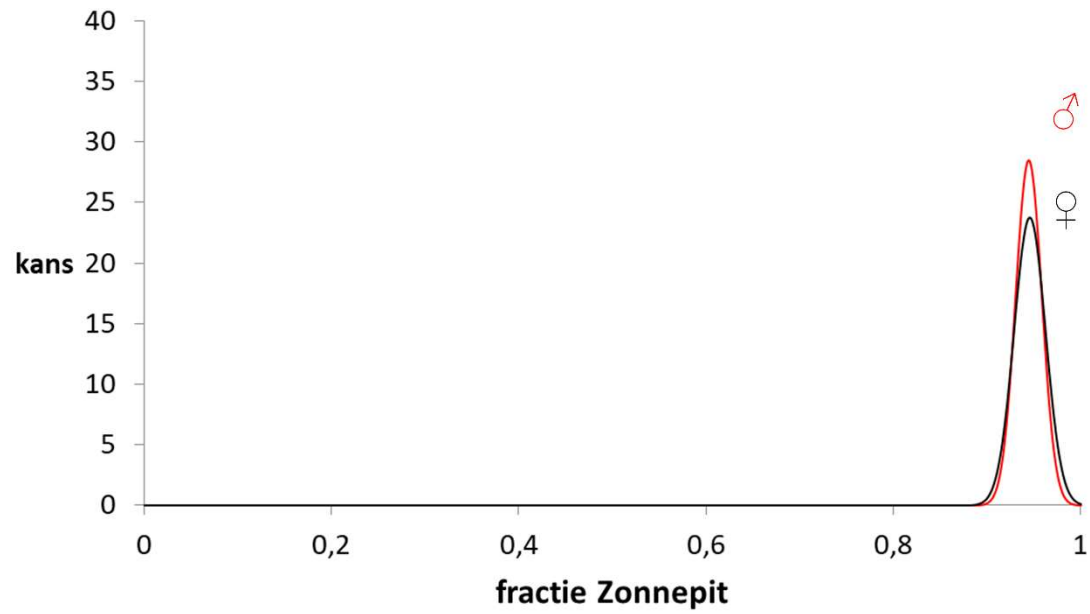
Vink



Groenling

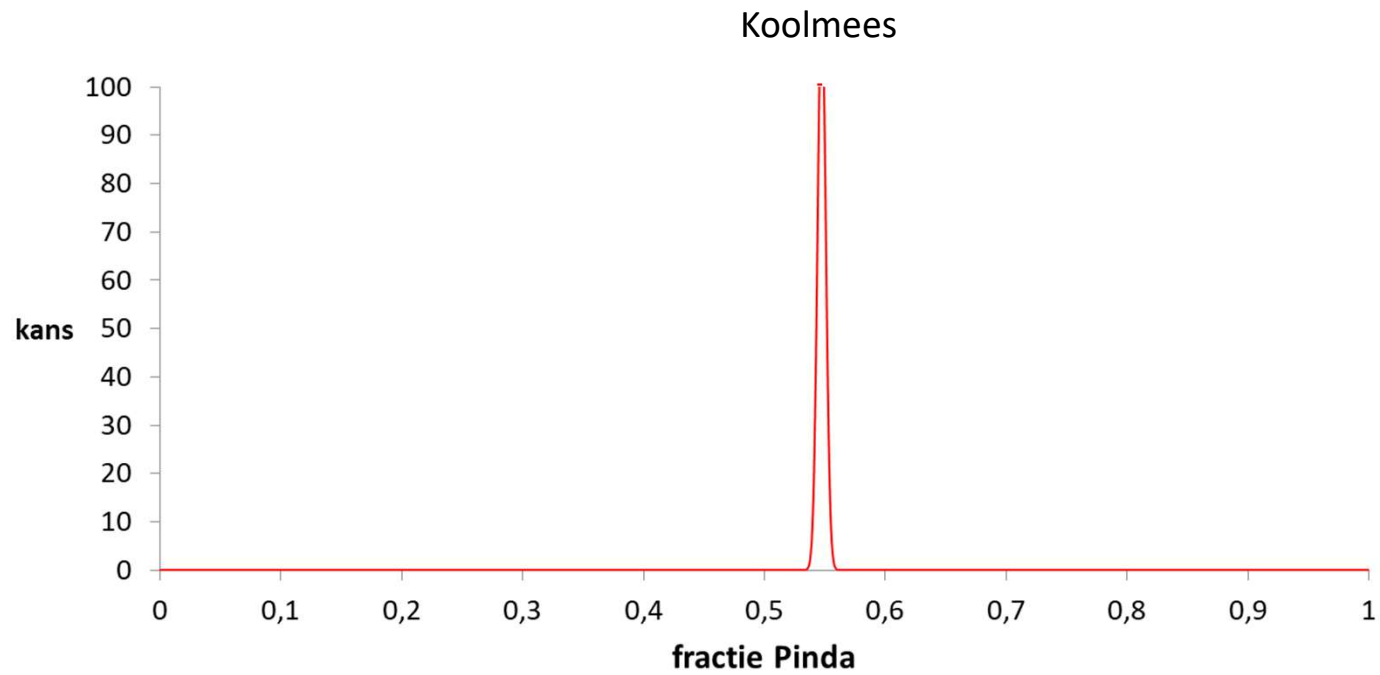


Groenling



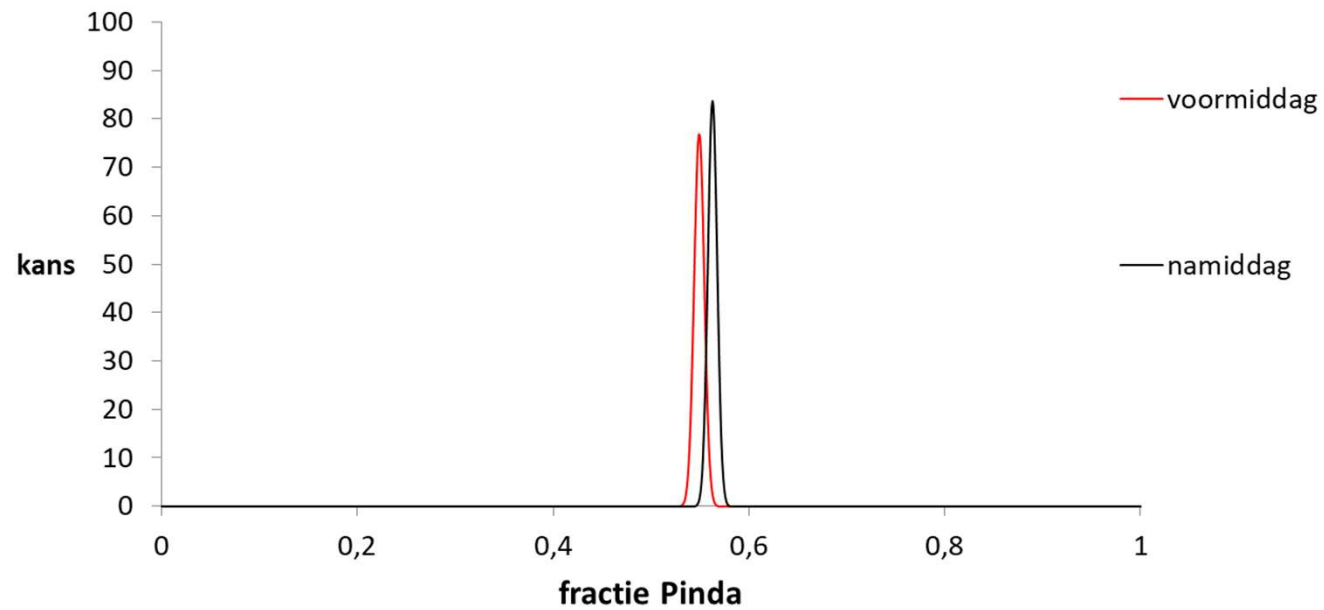
Koolmees

tijd van de dag

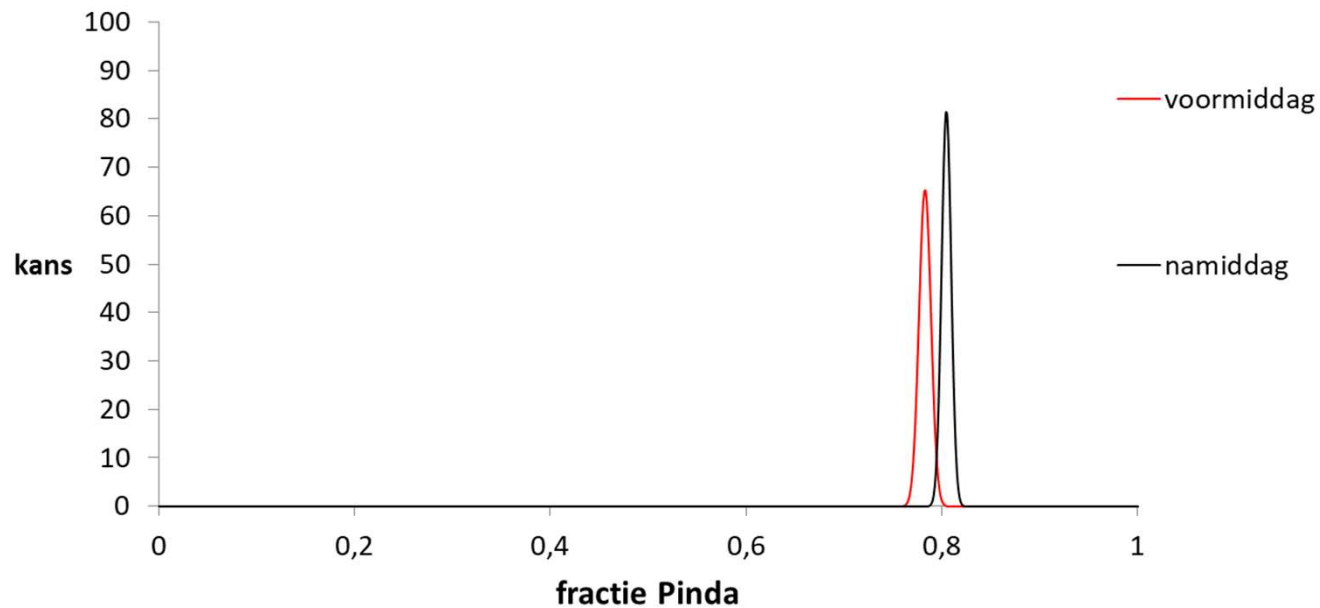


Voormiddag-namiddag

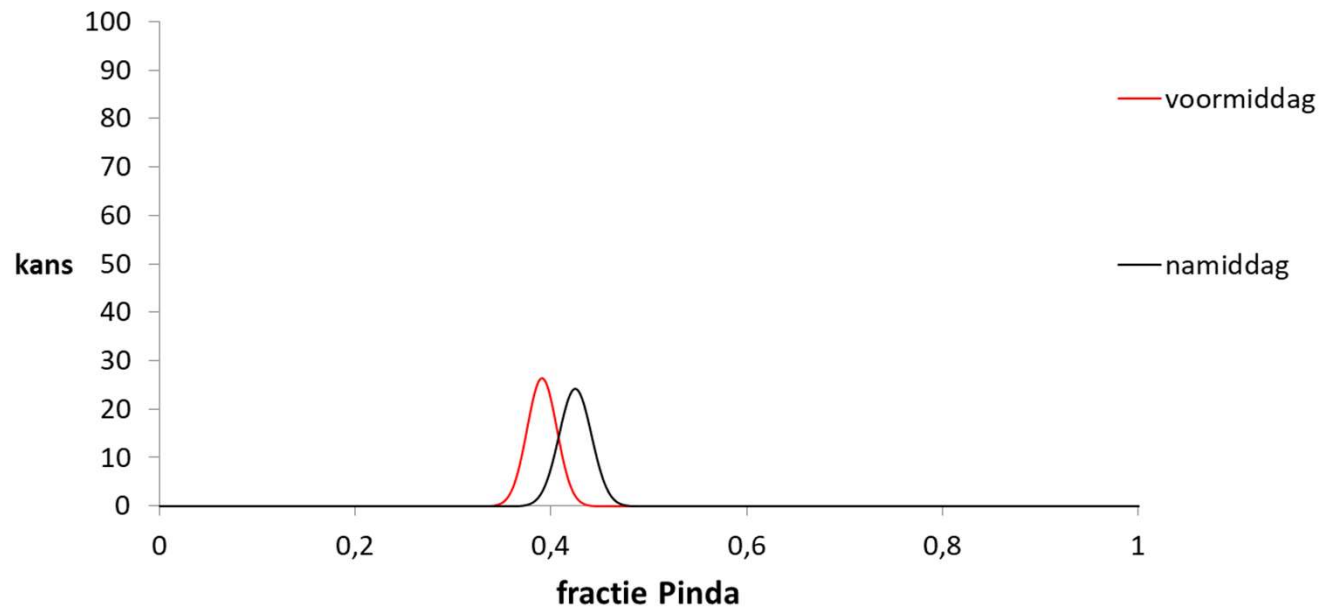
Koolmees



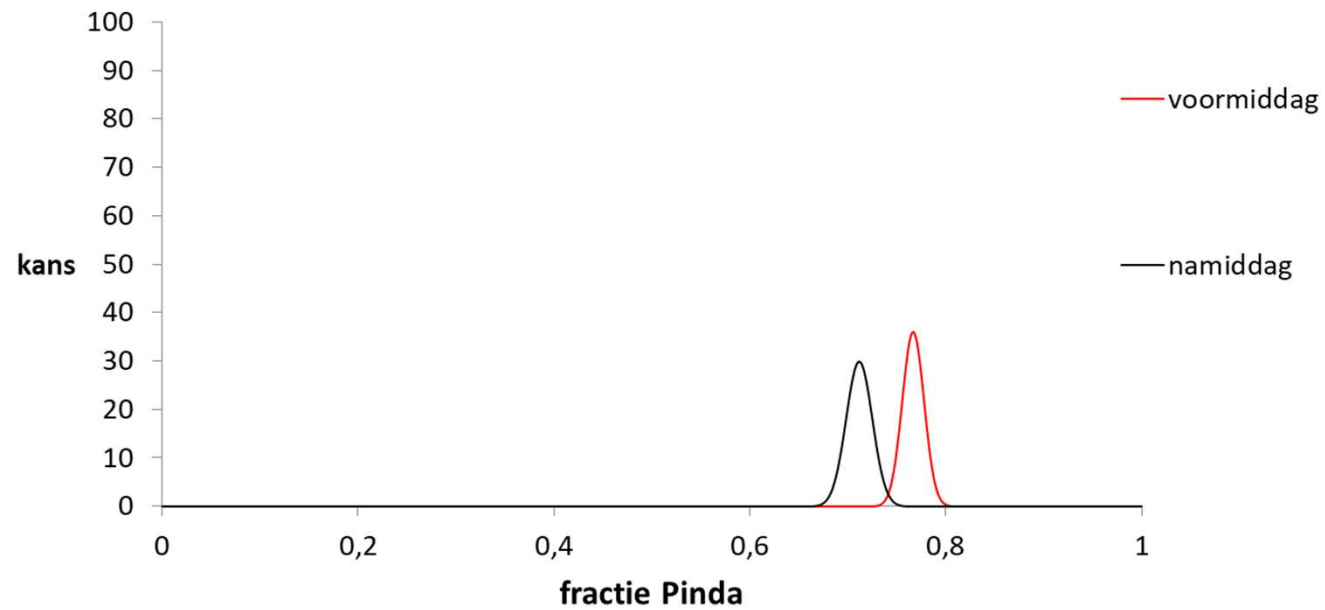
Voormiddag-namiddag Pimpelmees



Voormiddag-namiddag Vink

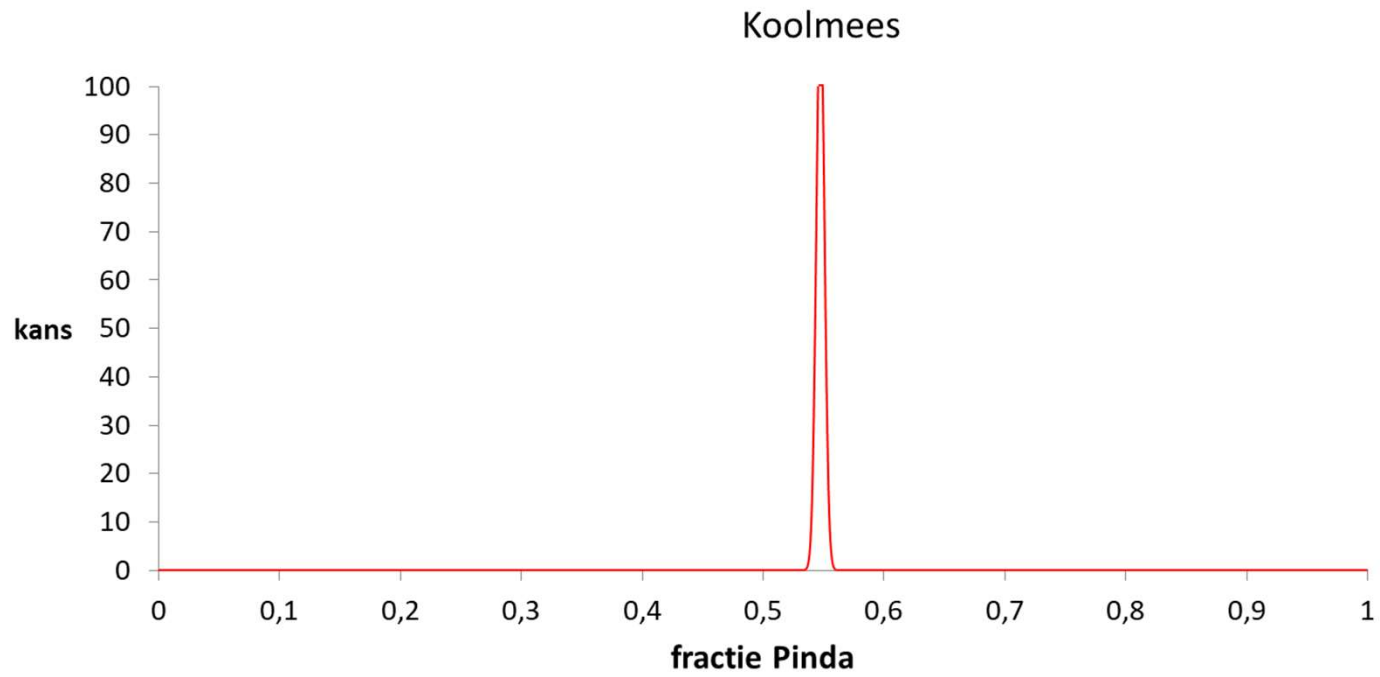


Voormiddag-namiddag Merel



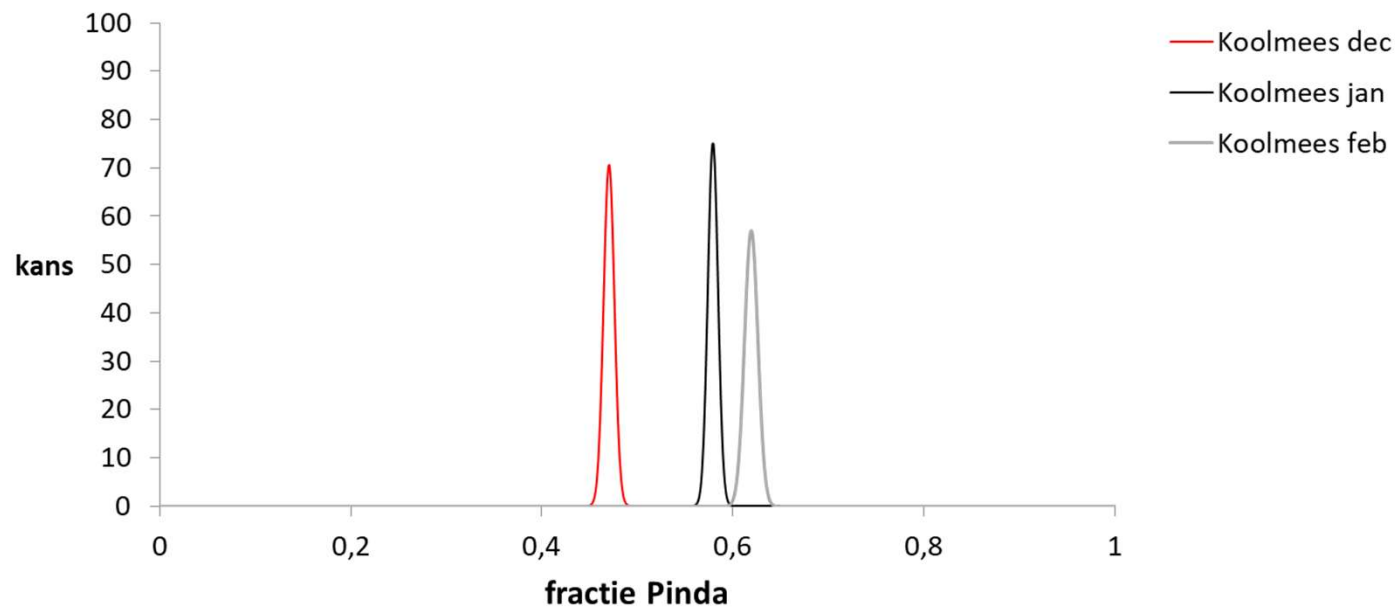
Koolmees

in de loop van de winter



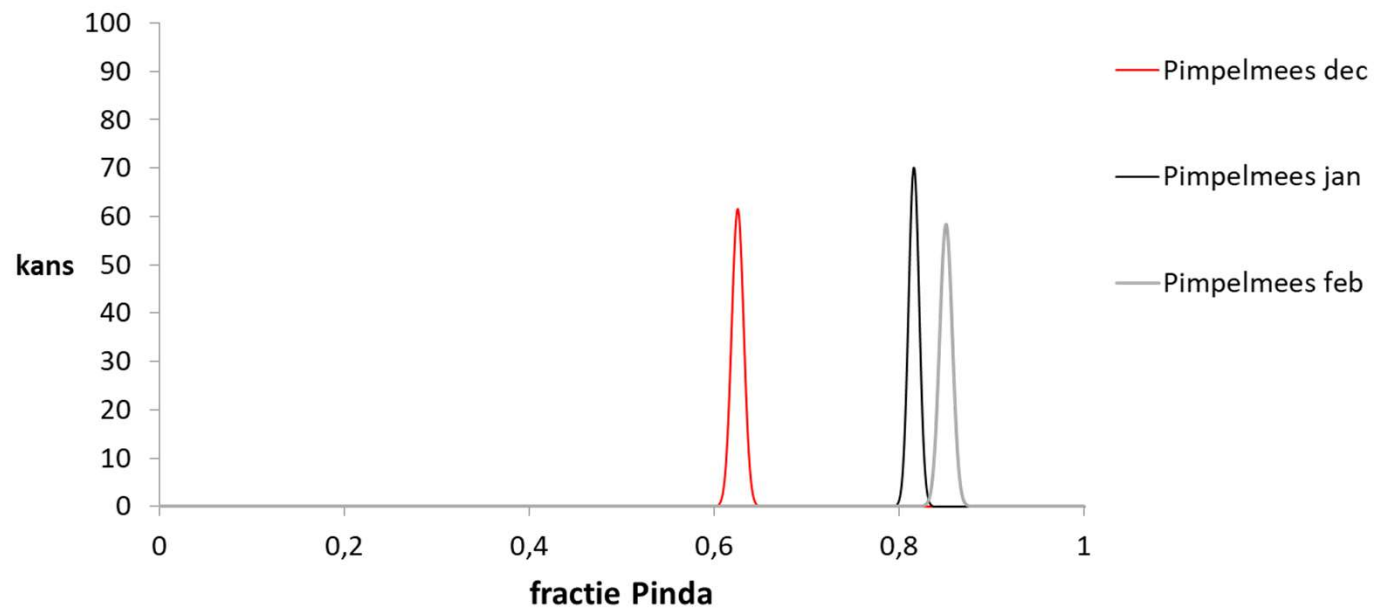
Koolmees

Dec Jan Feb



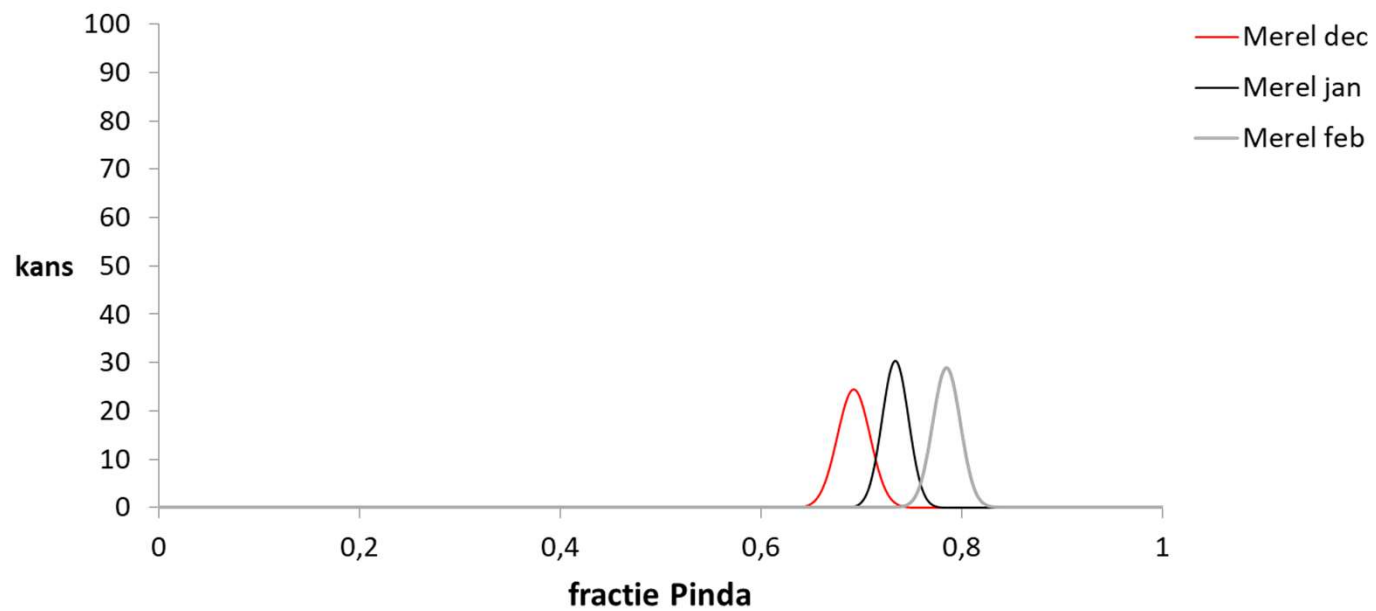
Pimpelmees

Dec Jan Feb



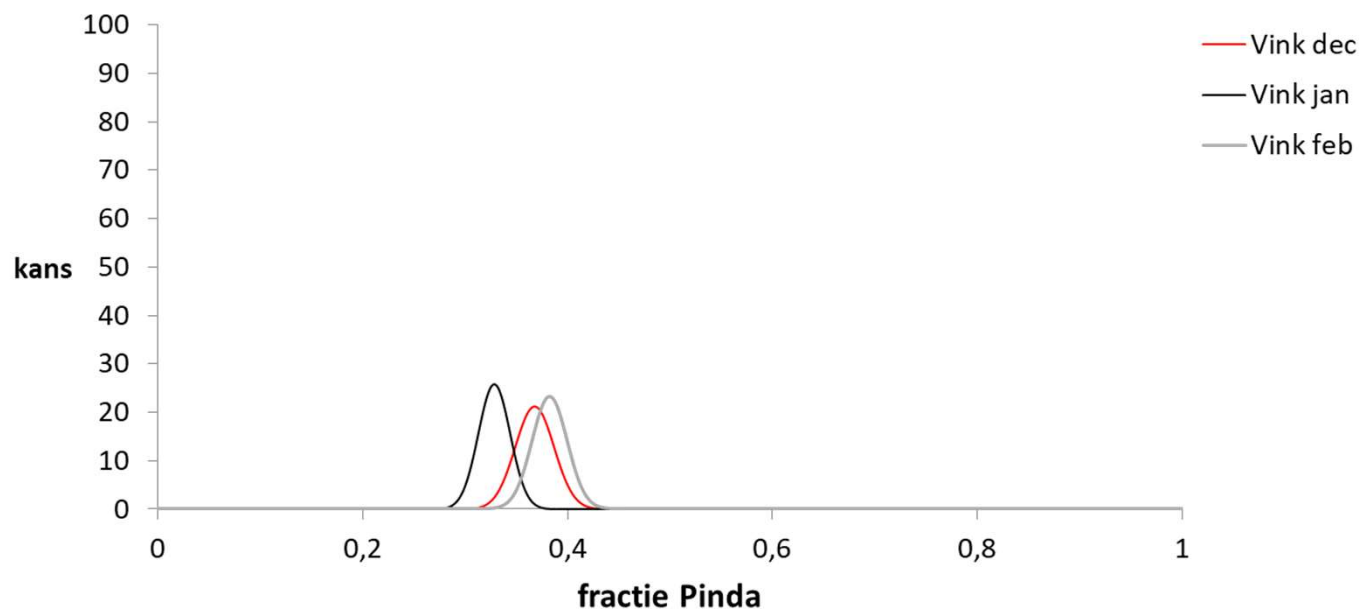
Merel

Dec Jan Feb



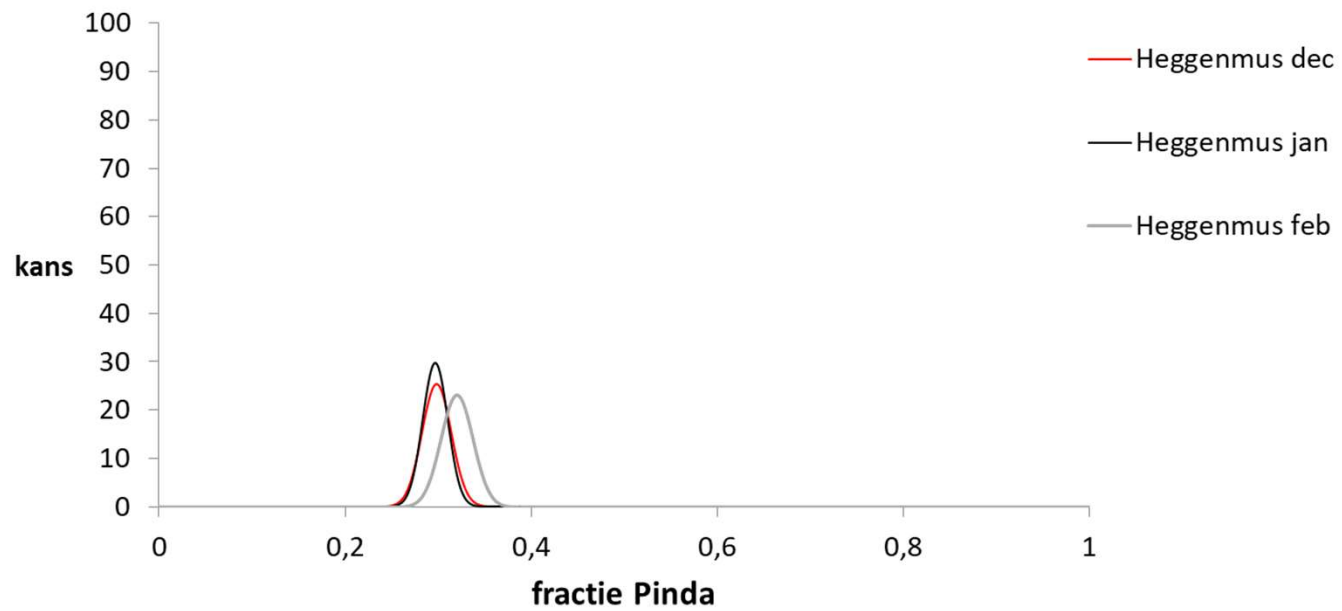
Vink

Dec Jan Feb



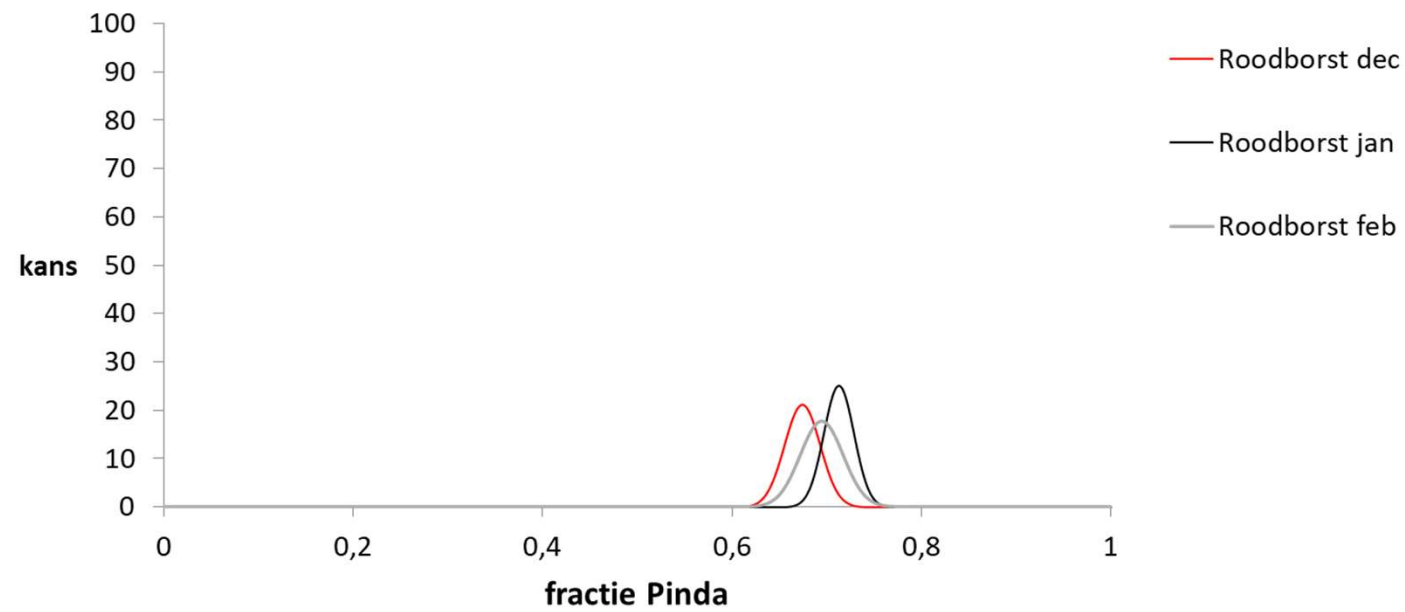
Heggenmus

Dec Jan Feb



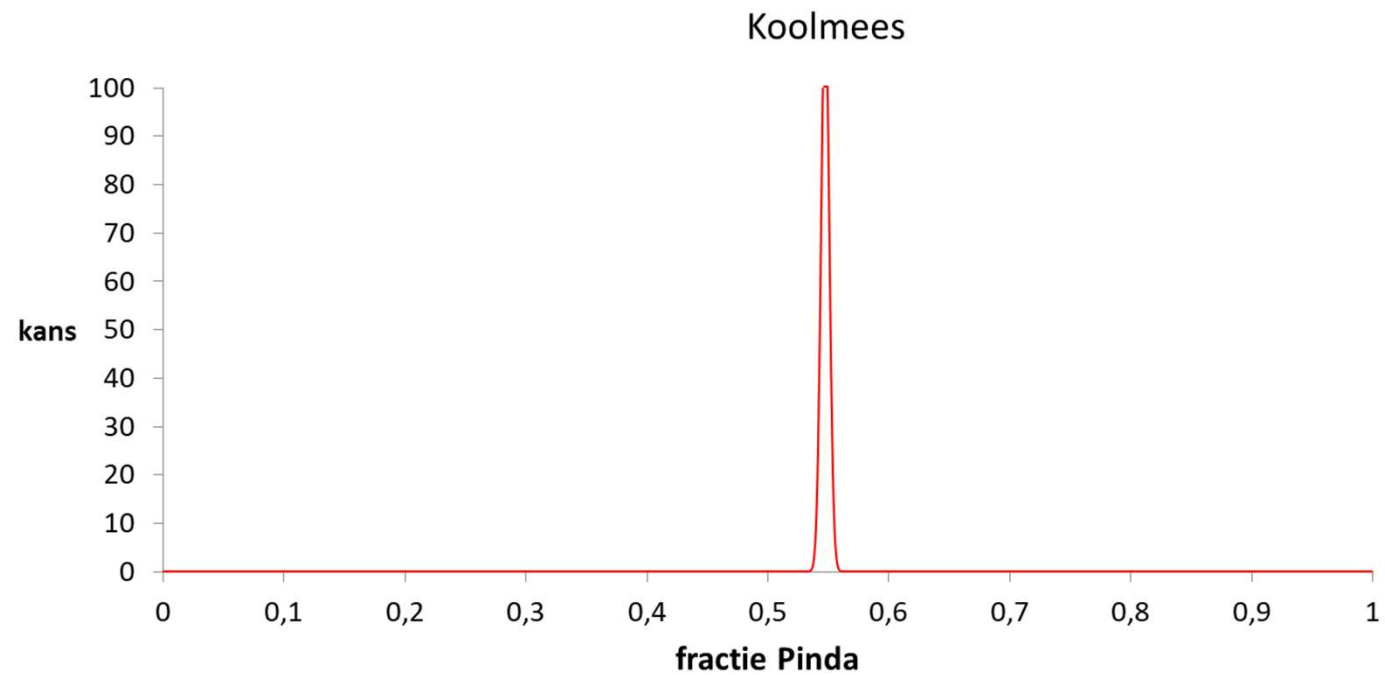
Roodborst

Dec Jan Feb

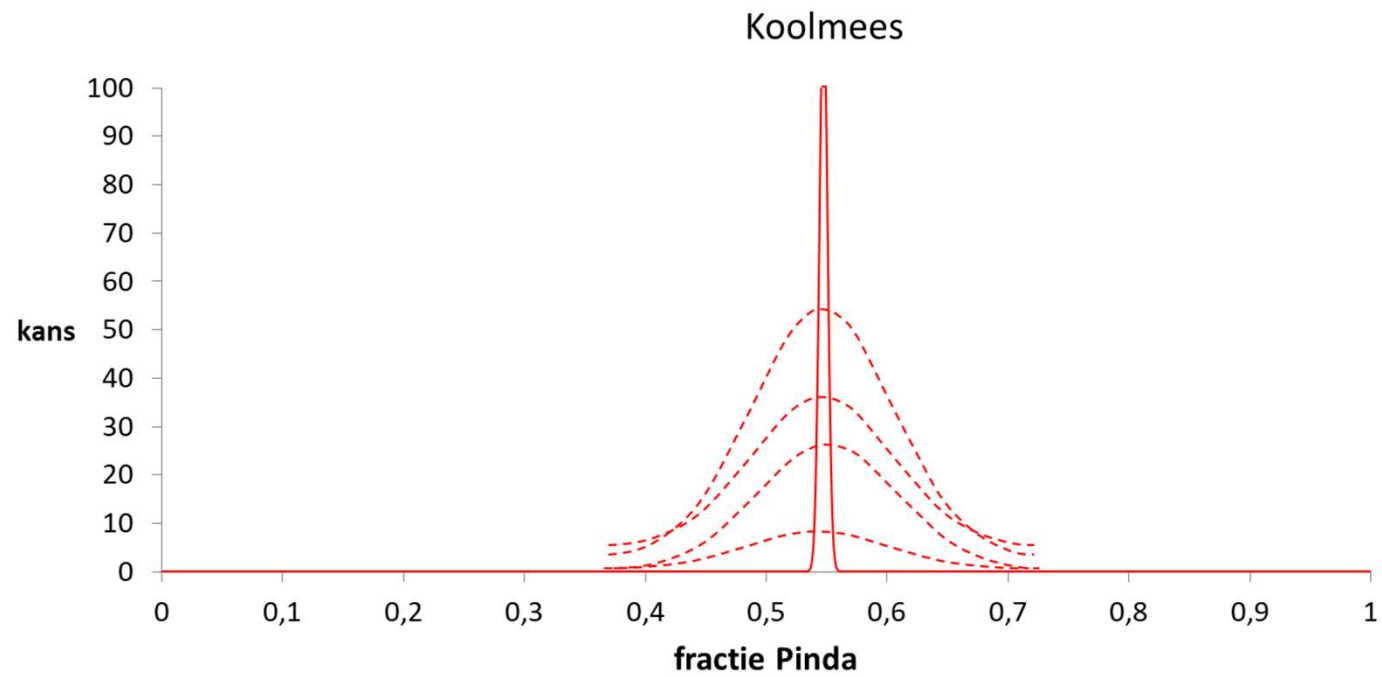


Koolmees

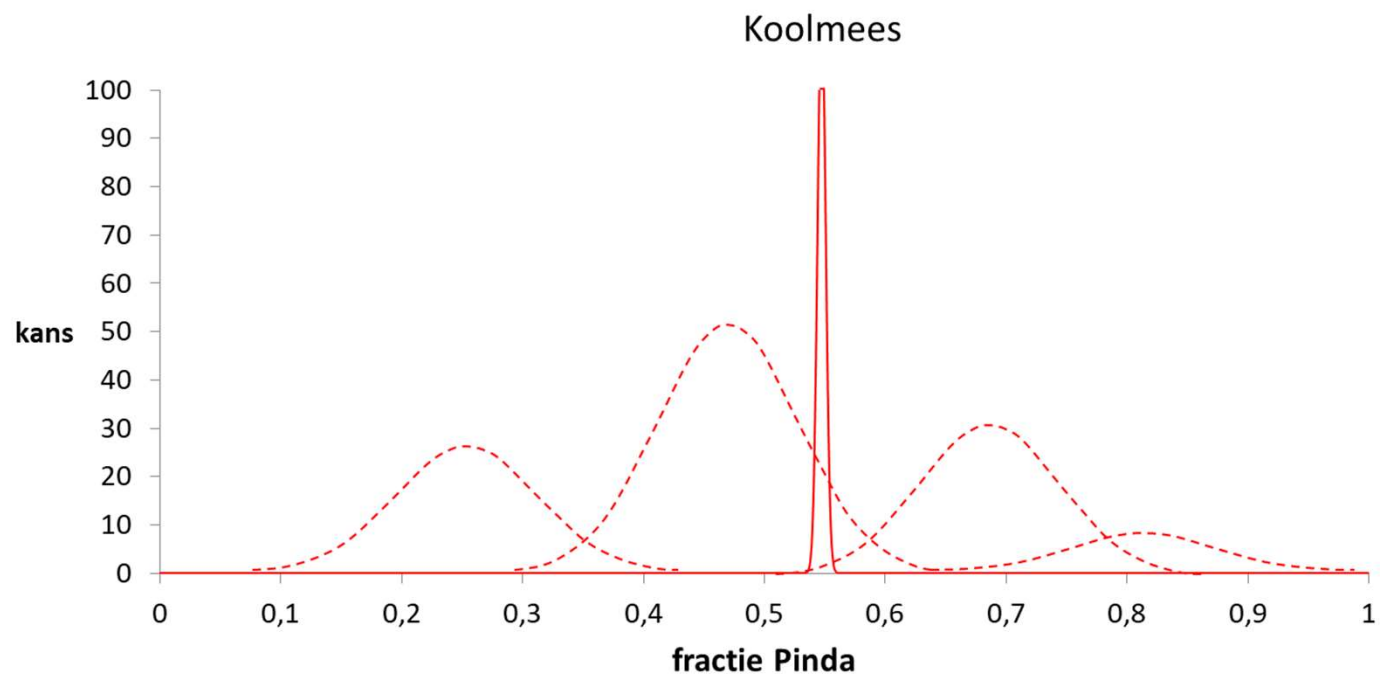
hoe komt gemiddelde tot stand?



Koolmees



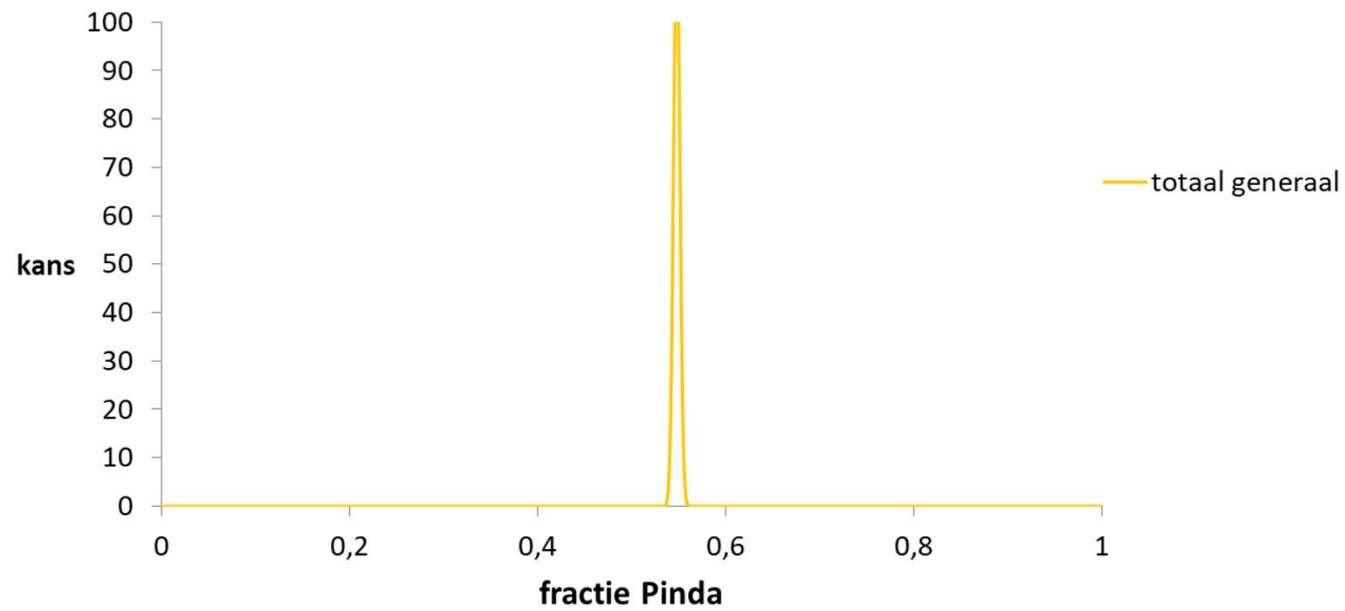
Koolmees



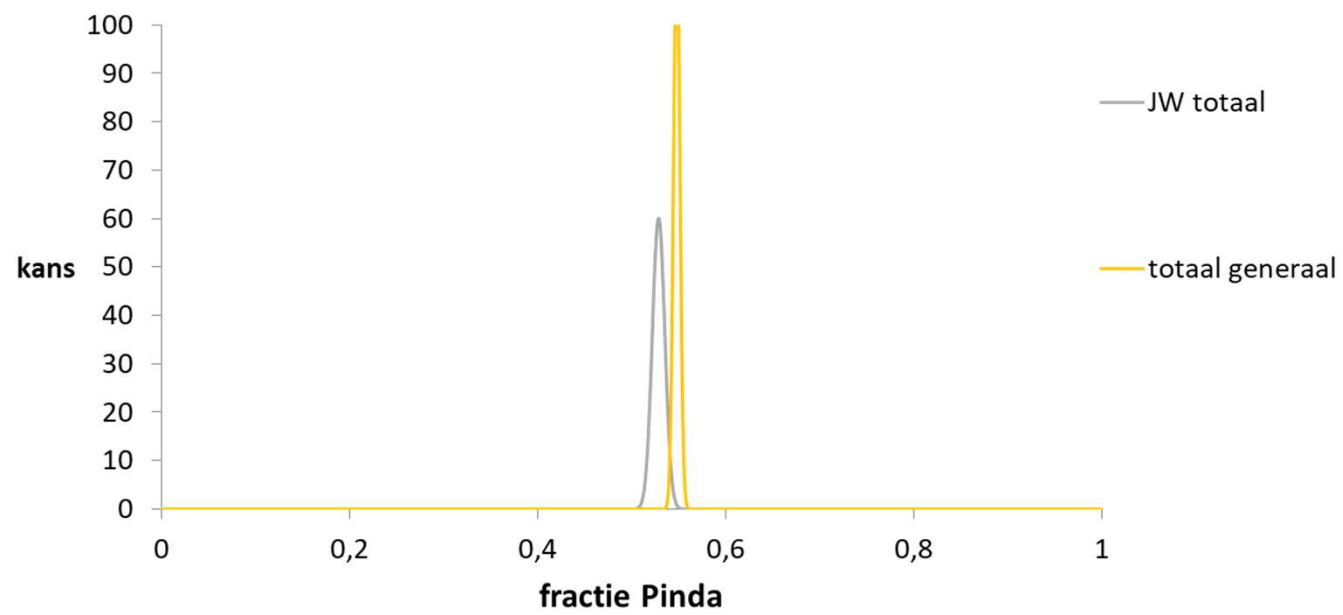
Kleurringen



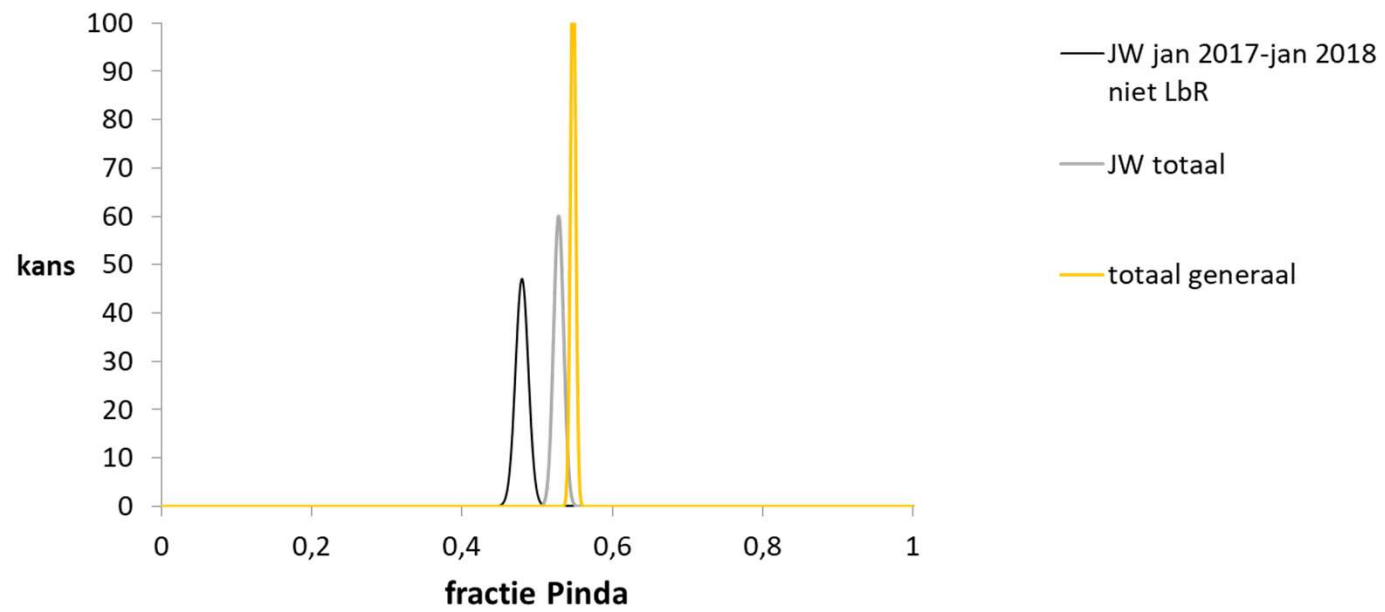
Koolmees LbR



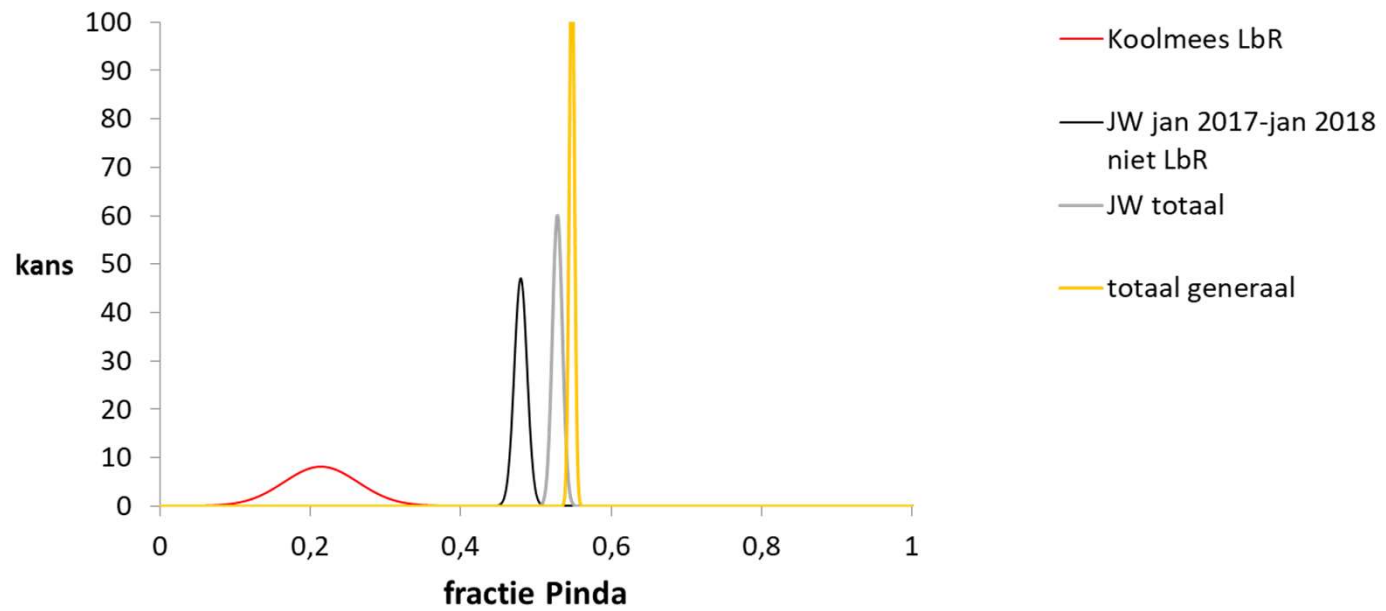
LbR



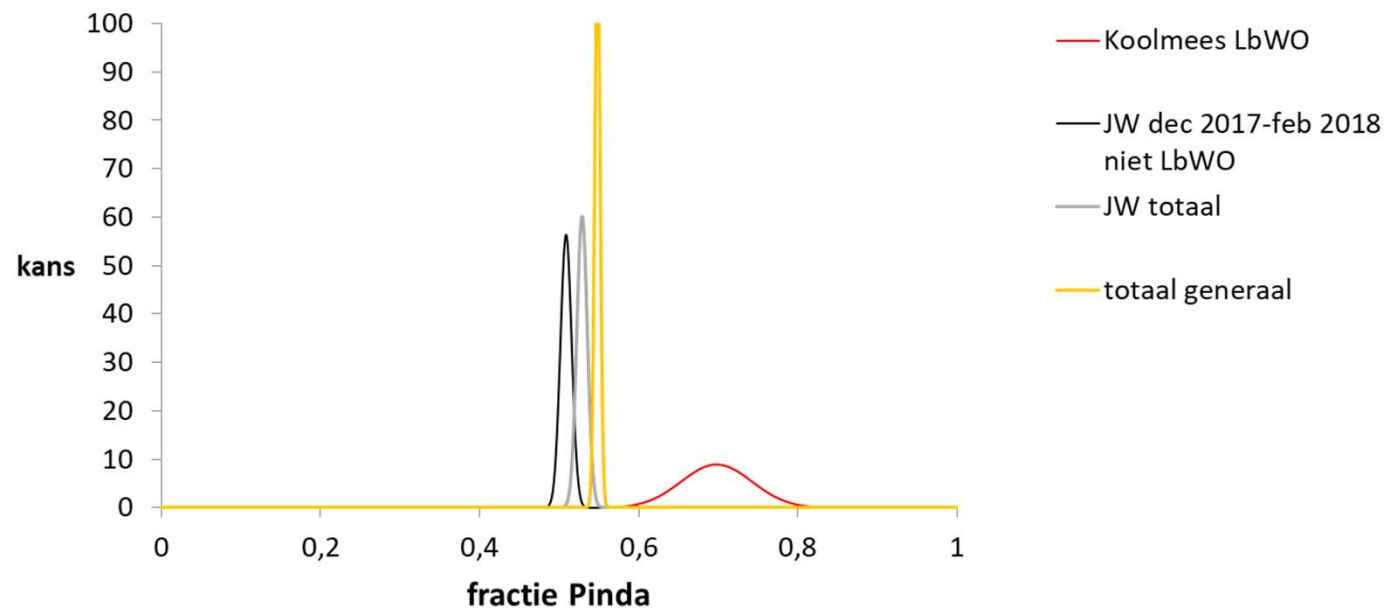
LbR



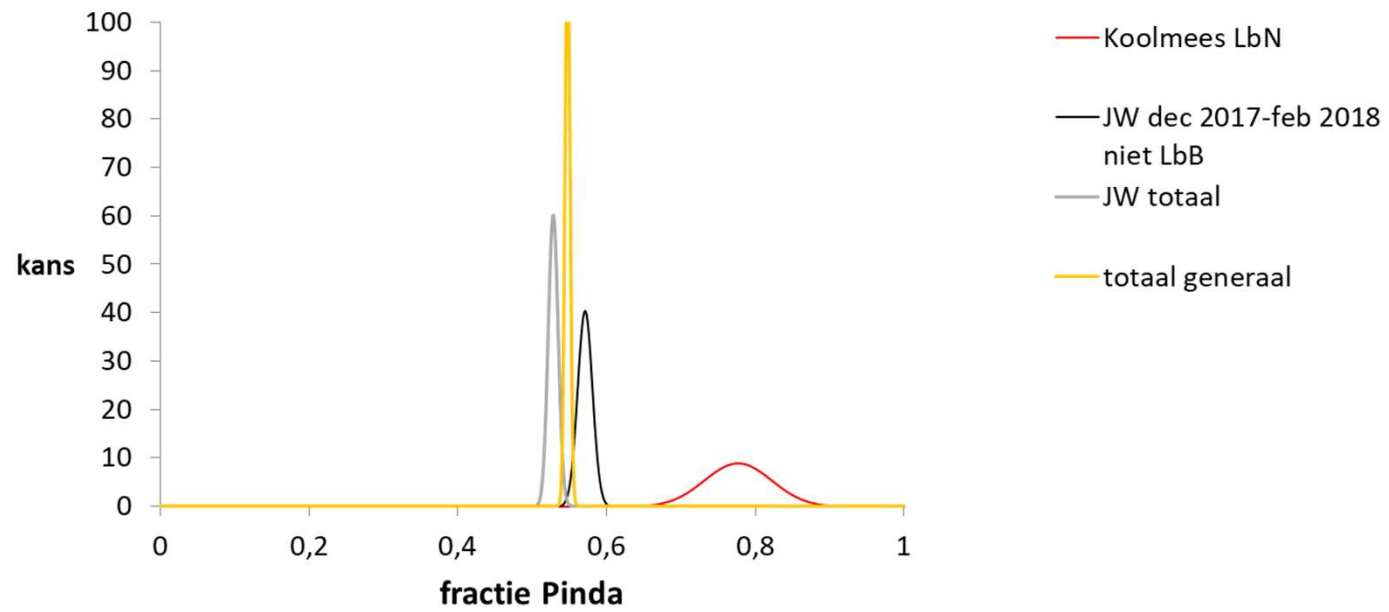
LbR



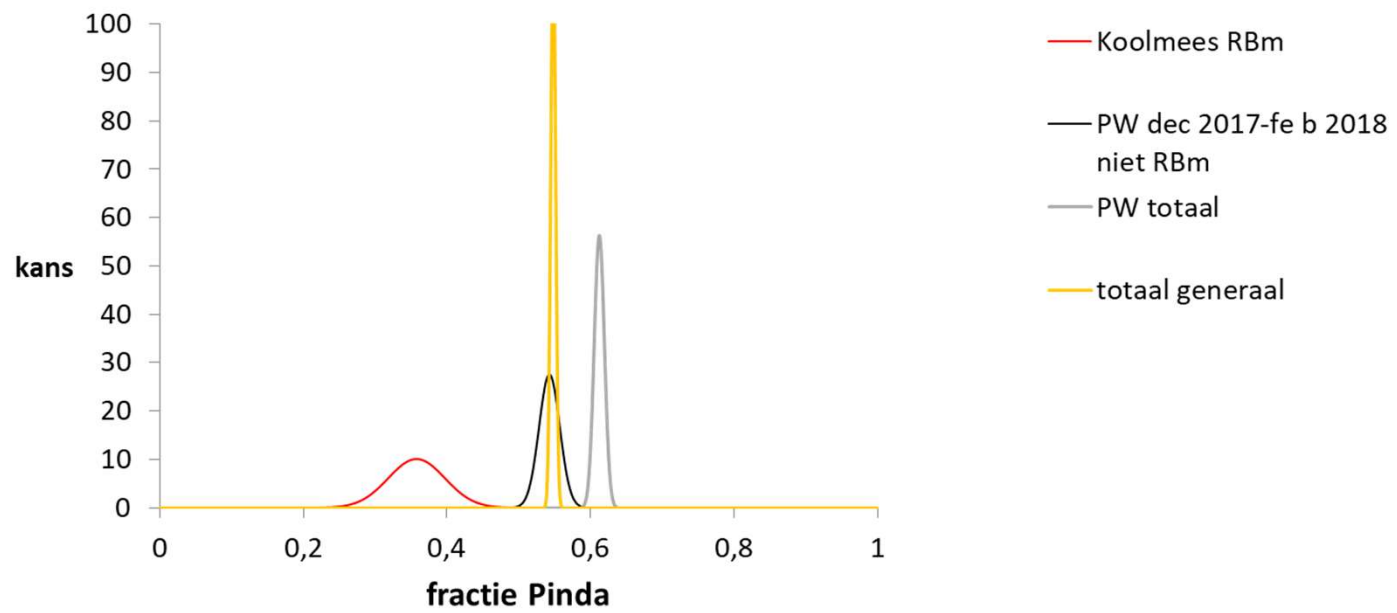
LbWO



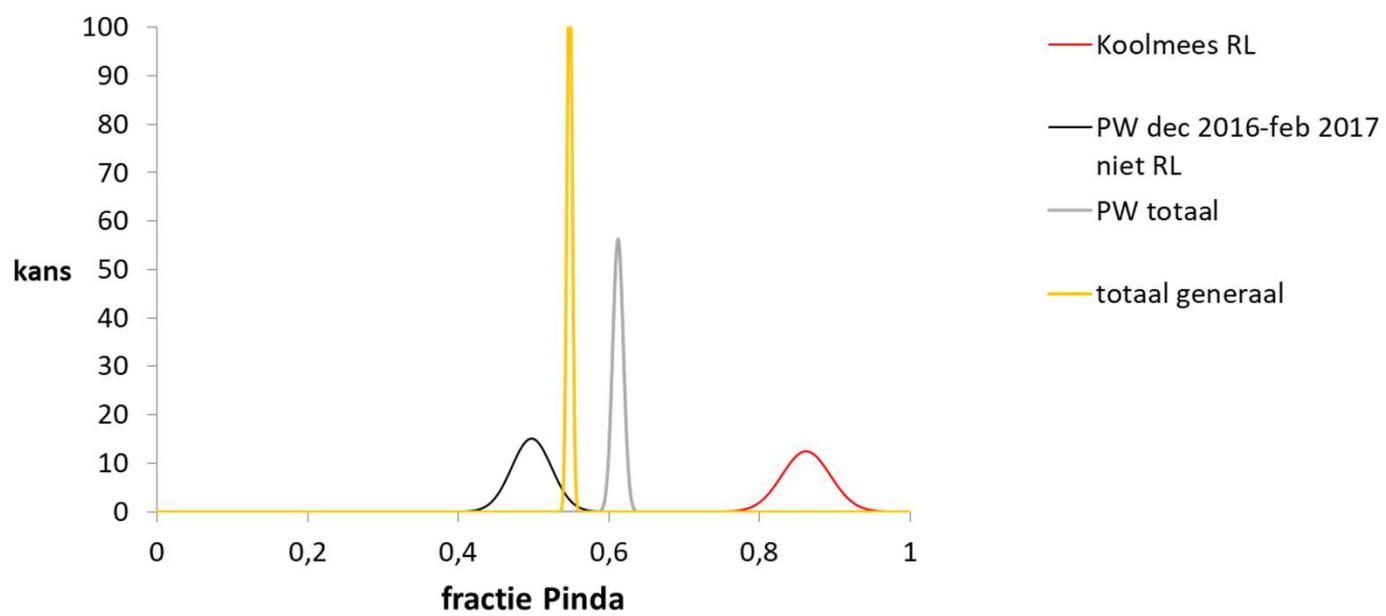
LbN



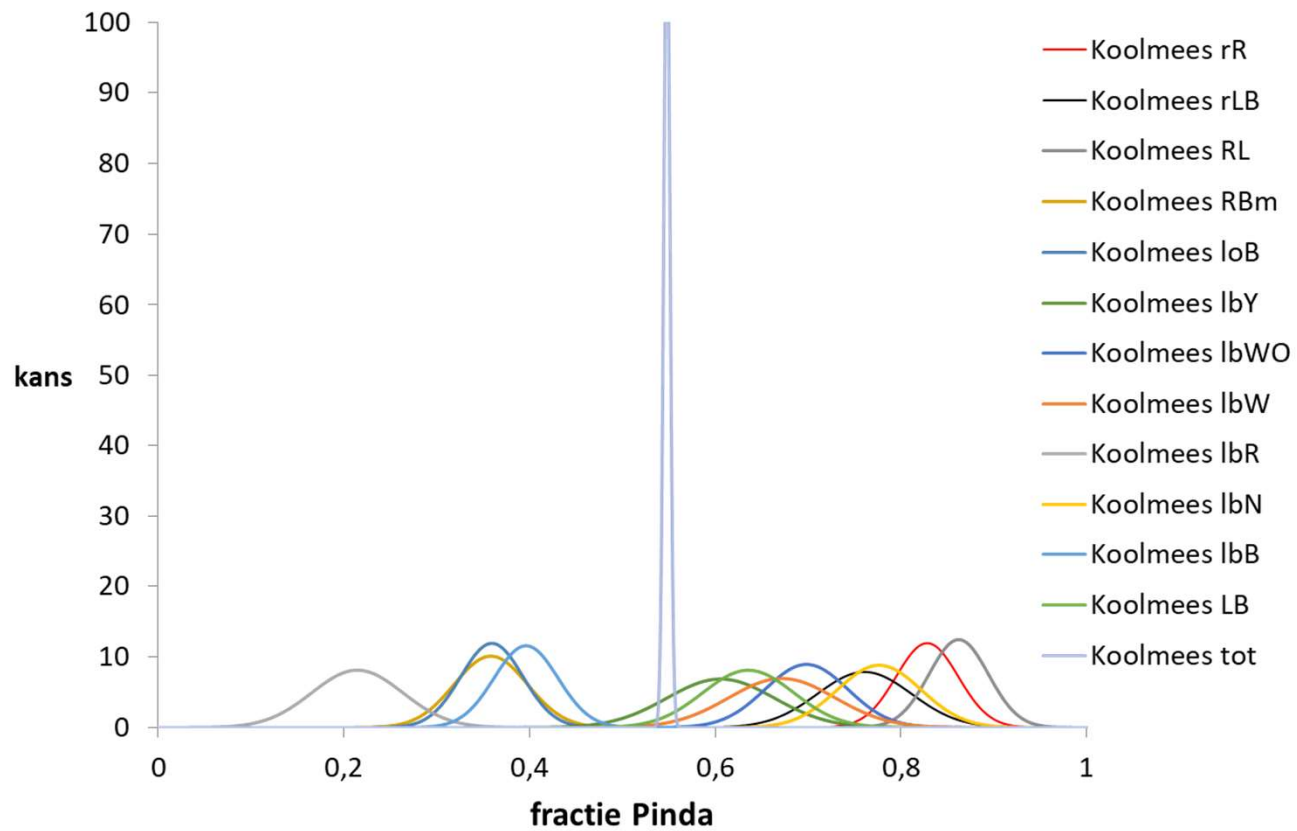
RBm



RL

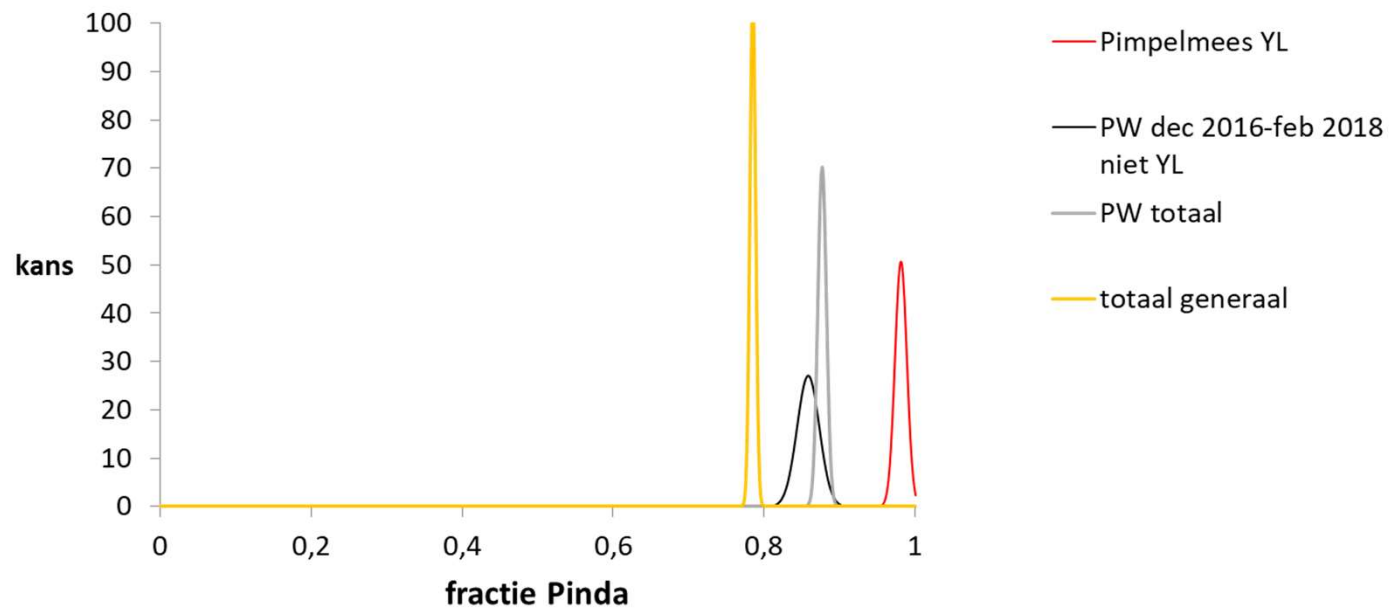


Kleurringen Koolmees



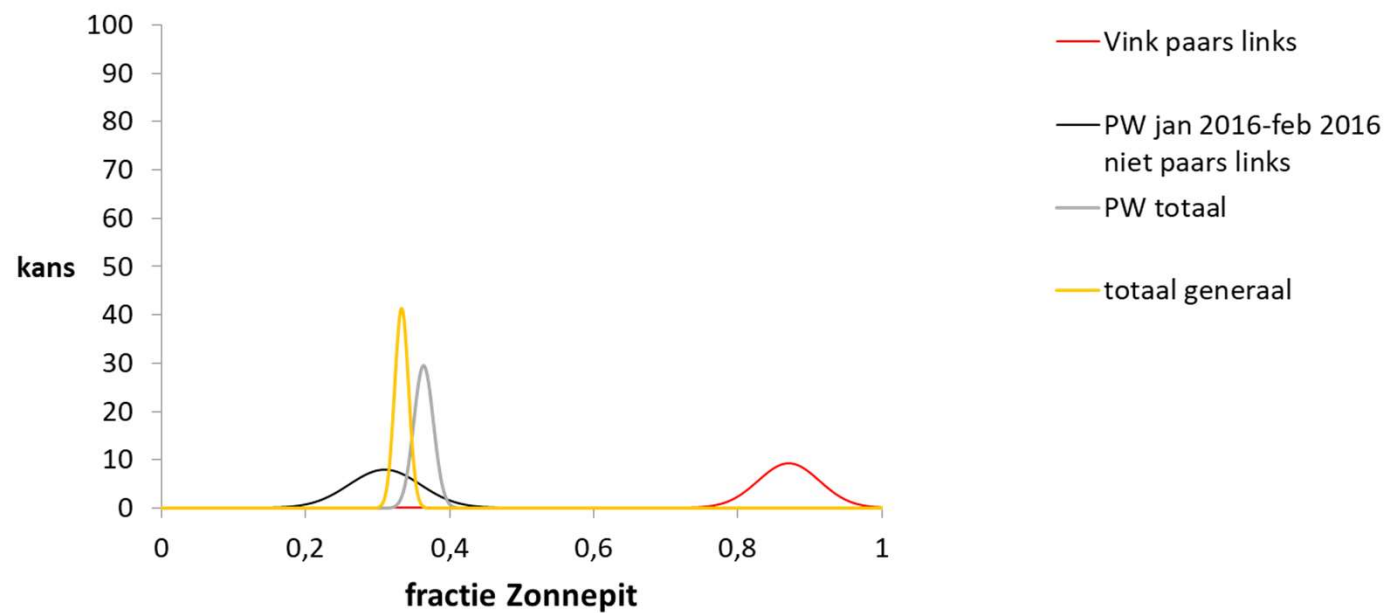
Kleurringen Pimpelmees

YL

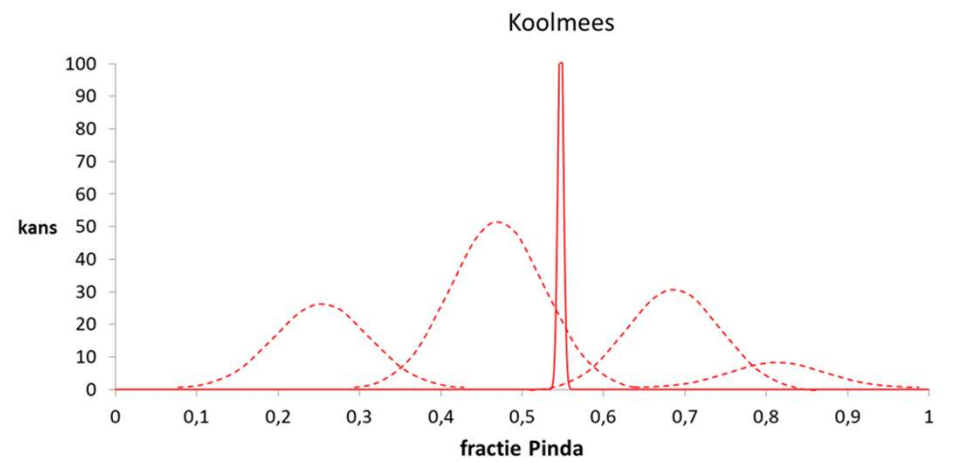
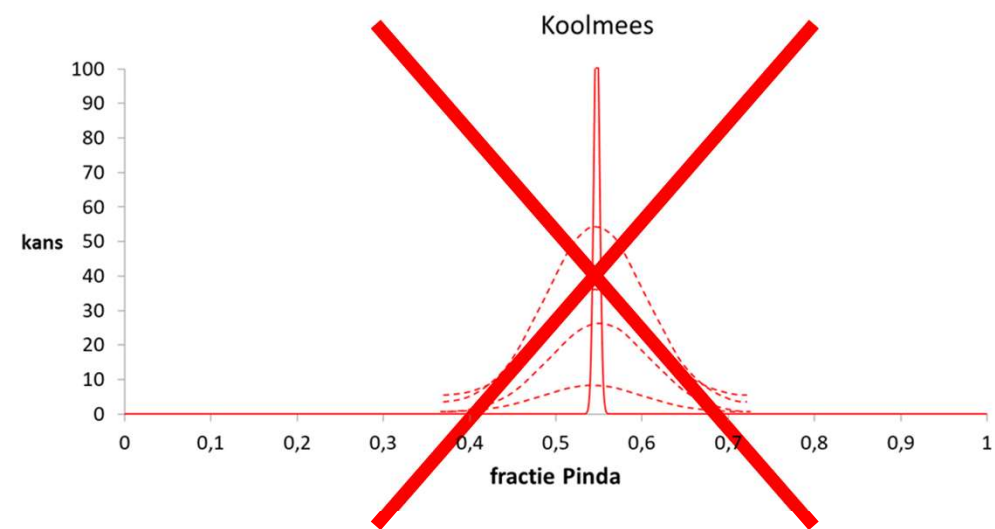


Kleurringen Vink

paars links

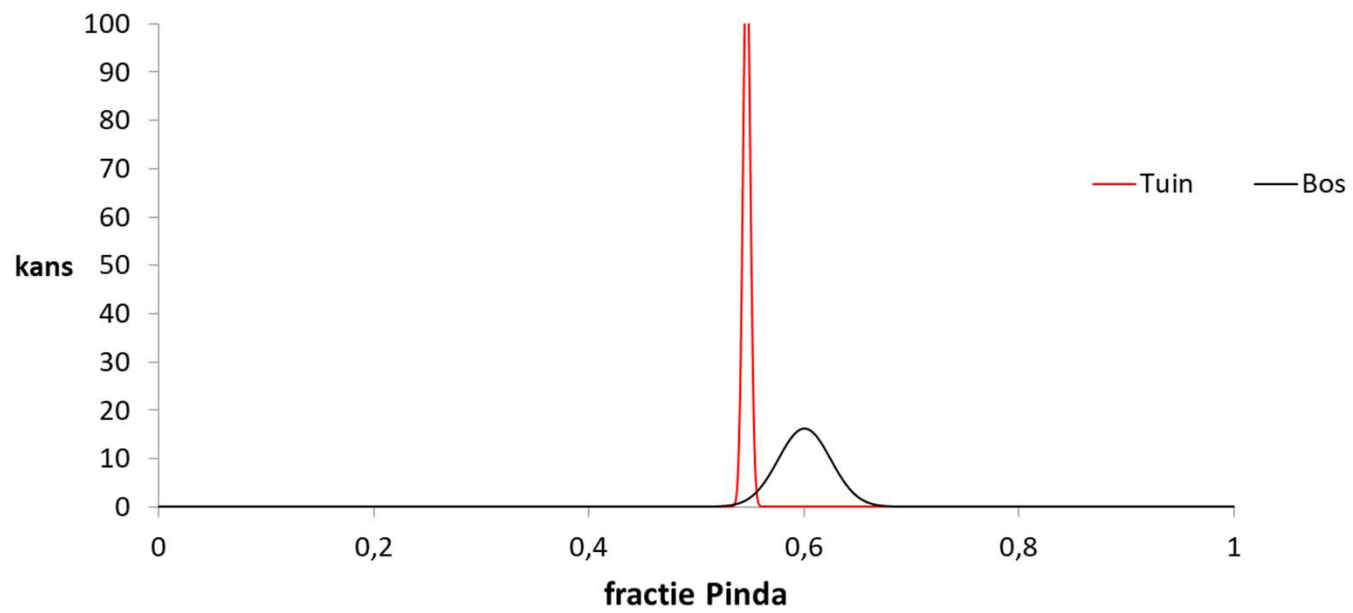


Koolmees



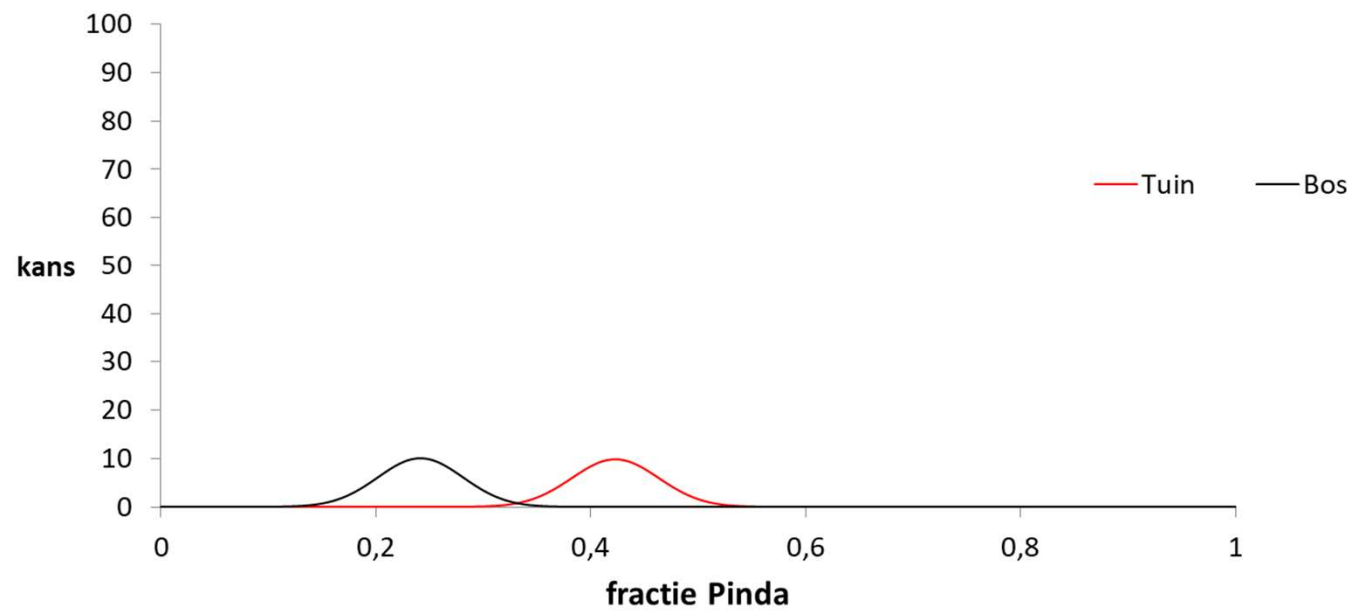
Koolmees

Bos - Tuin



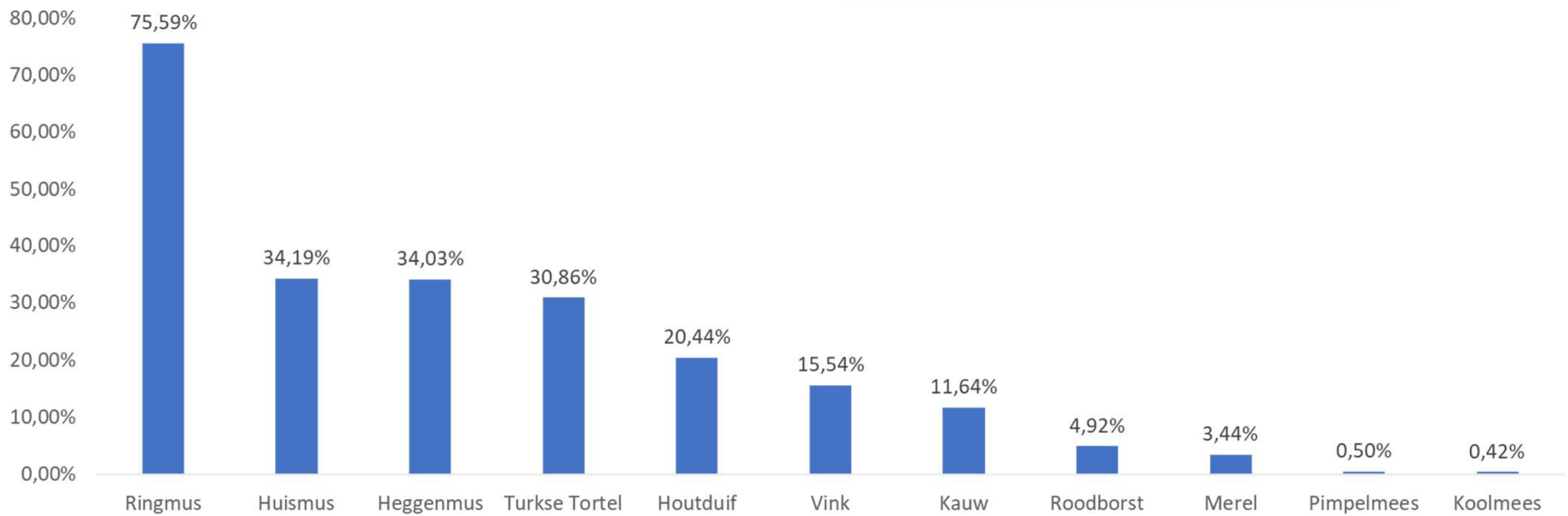
Boomklever

Bos - Tuin



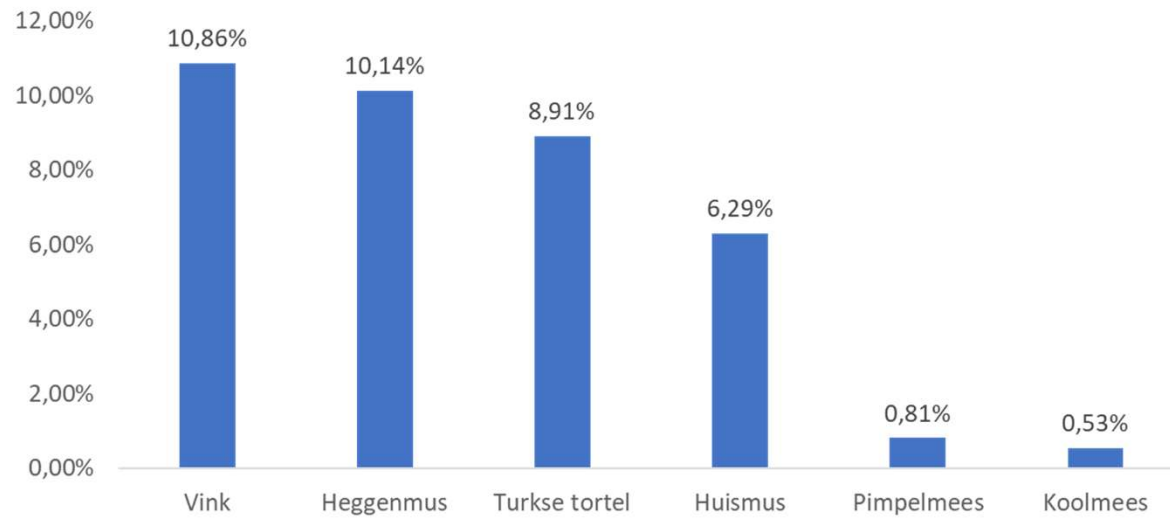
Millet

(50+ waarnemingen)



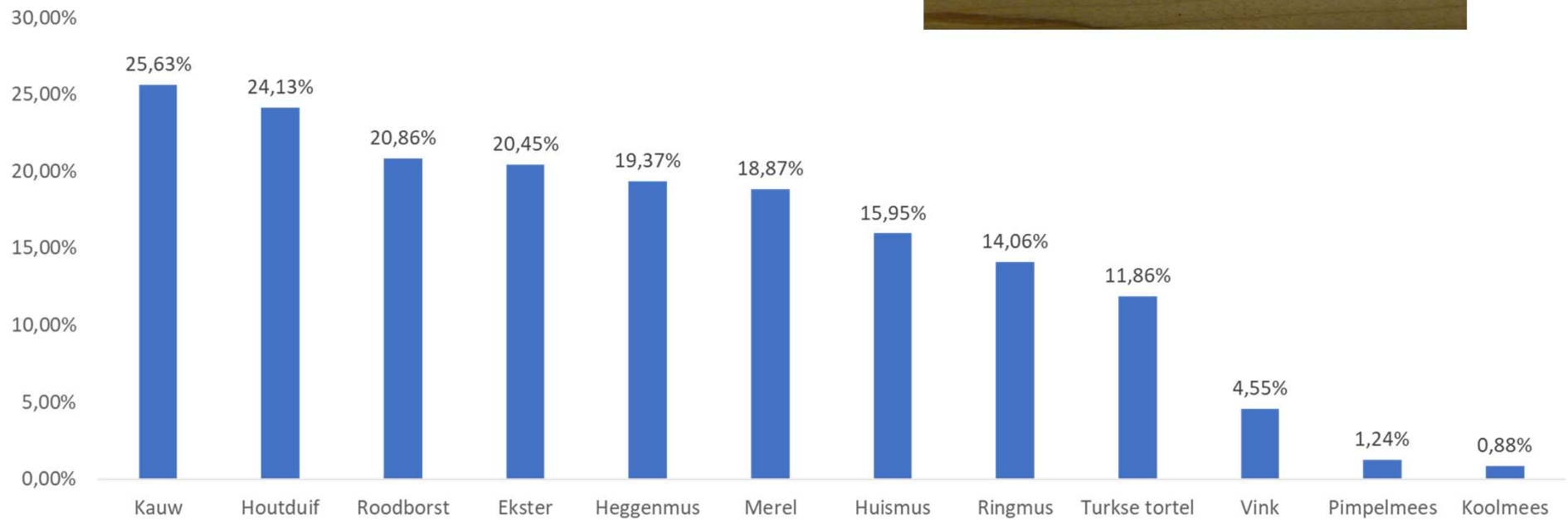
Negerzaad

(50+ waarnemingen)



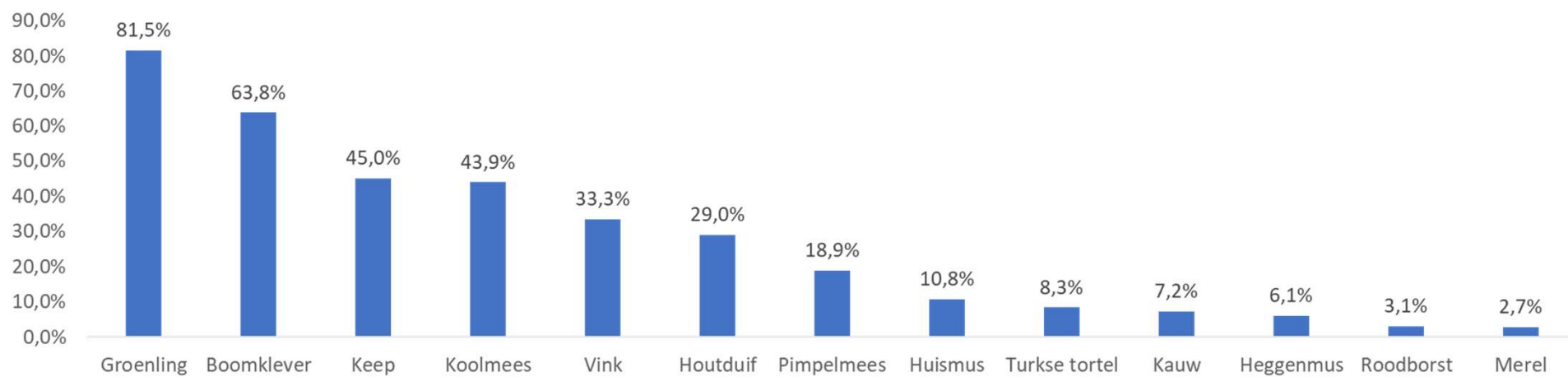
Mais

(50+ waarnemingen)



Zonnepit

(50+ waarnemingen)

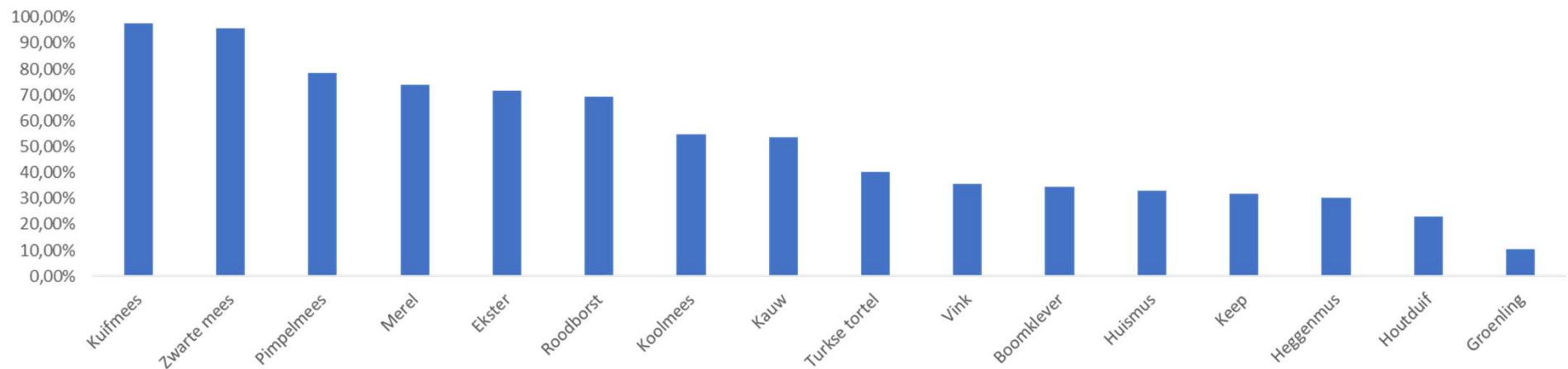


Pinda

(50+ waarnemingen)



Pinda



Dank u

