



Aerokocker och urinvägsmedel

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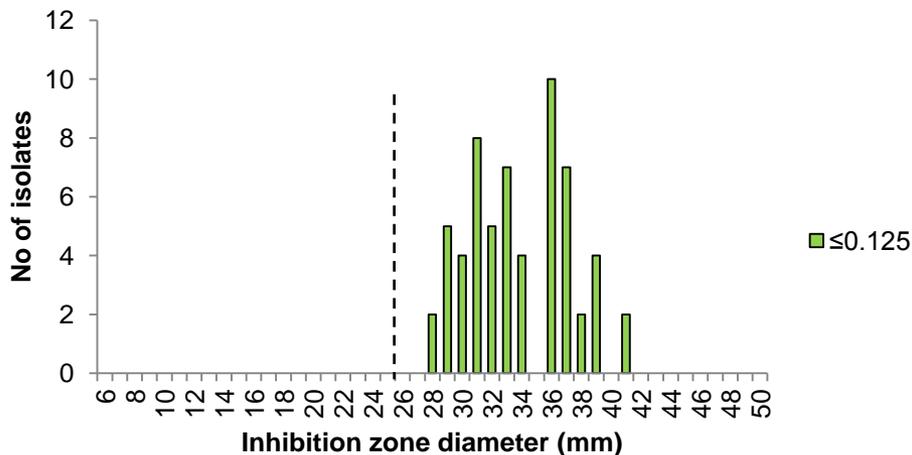
NordicASTs workshop 2015

Material & metoder

- 30 *A. urinae* + 30 *A. sanguincola*
 - Lappdiffusion enligt EUCAST (McF 0.5)
 - MIC-bestämning med buljongspädning enligt ISO-standard (MH-F-buljong)
 - Inkubering 16-20 h (40-44 h)
- Validering av preliminär metod för lappdiffusion på 7 skandinaviska laboratorier

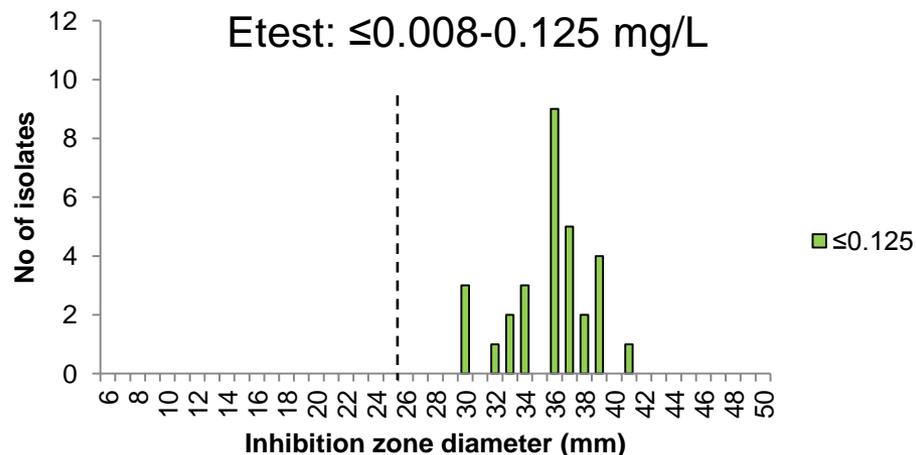
Ampicillin 2 µg

A. urinae and *A. sanguinicola*



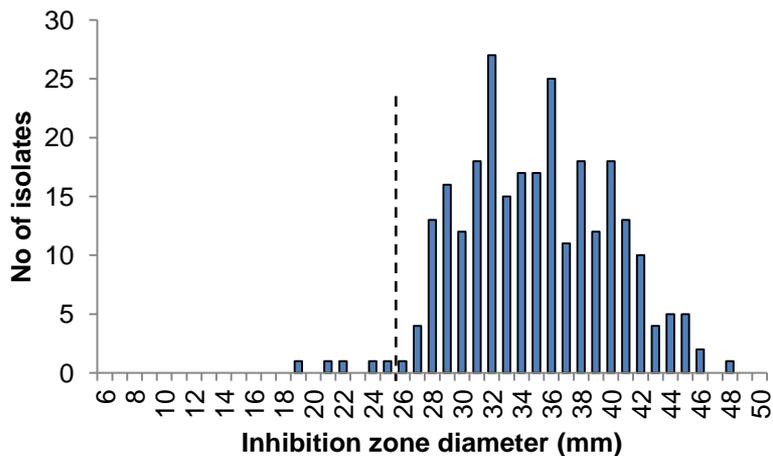
A. urinae

Etest: ≤0.008-0.125 mg/L



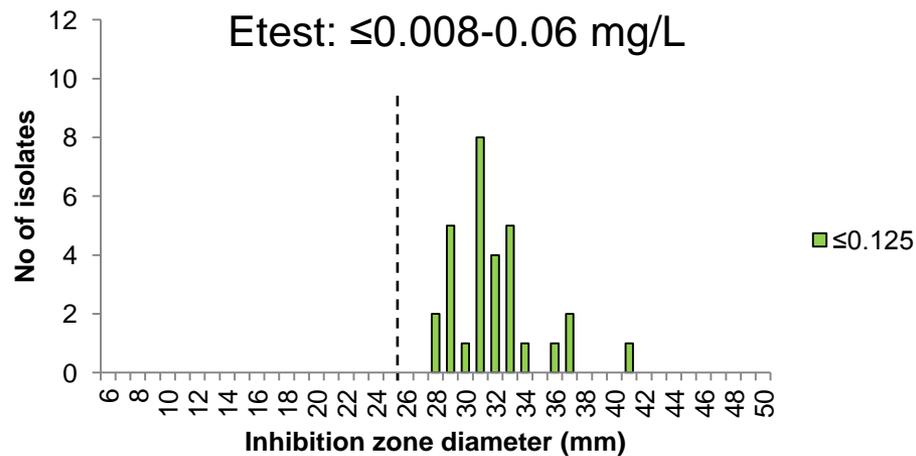
7 laboratorier, 269 isolat

A. urinae and *A. sanguinicola*



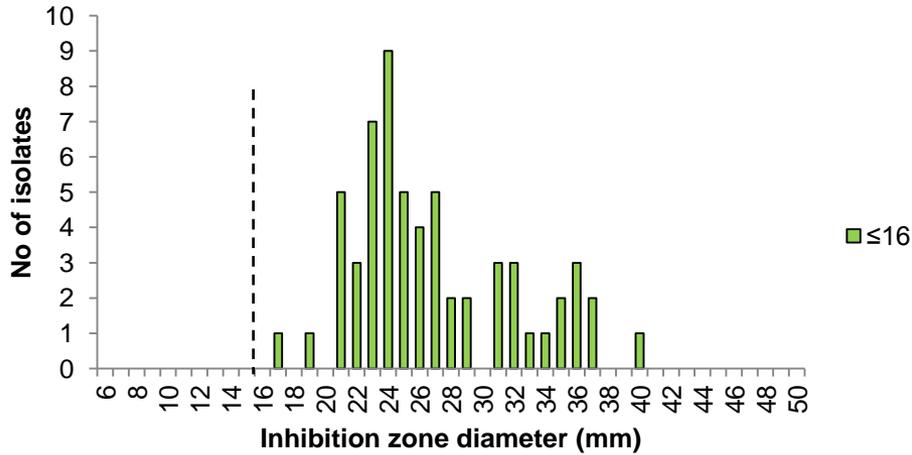
A. sanguinicola

Etest: ≤0.008-0.06 mg/L

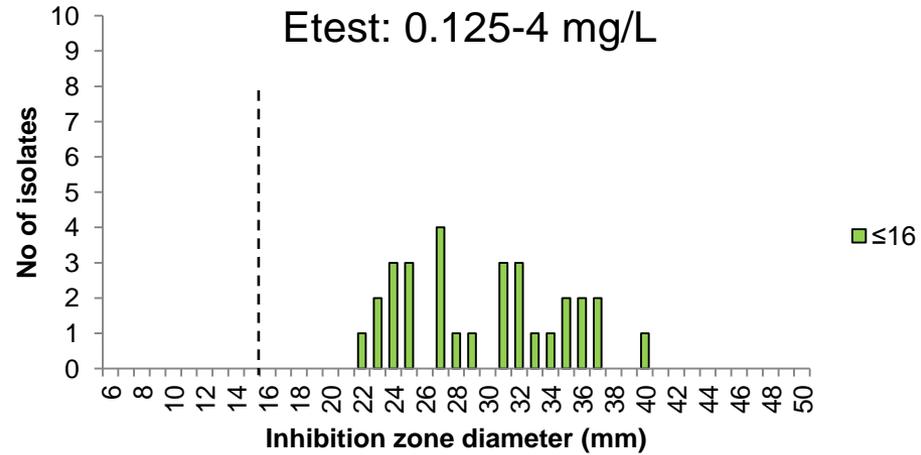


Nitrofurantoin 100 µg

A. urinae and *A. sanguinicola*

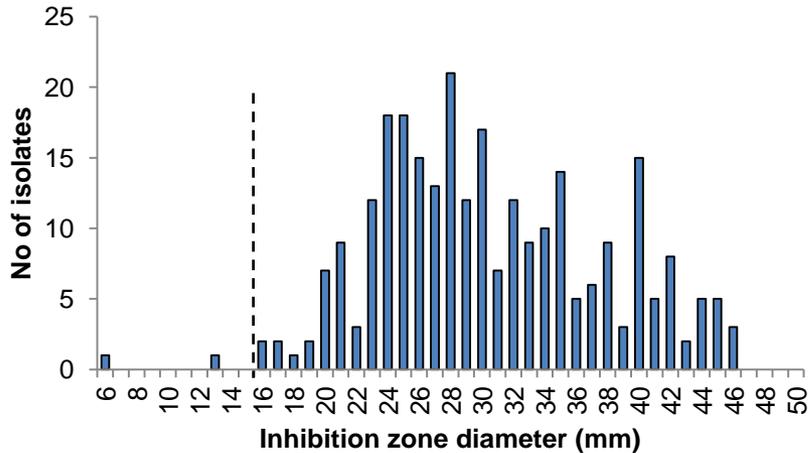


A. urinae

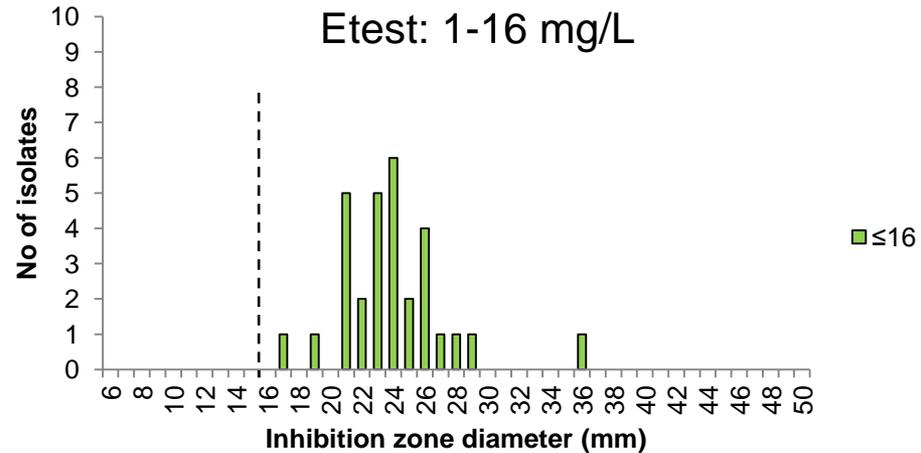


7 laboroier, 272 isolat

A. urinae and *A. sanguinicola*

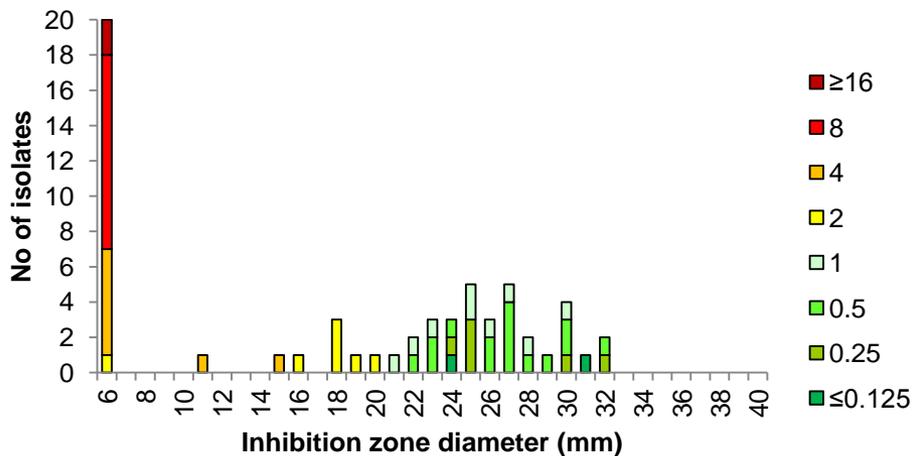


A. sanguinicola



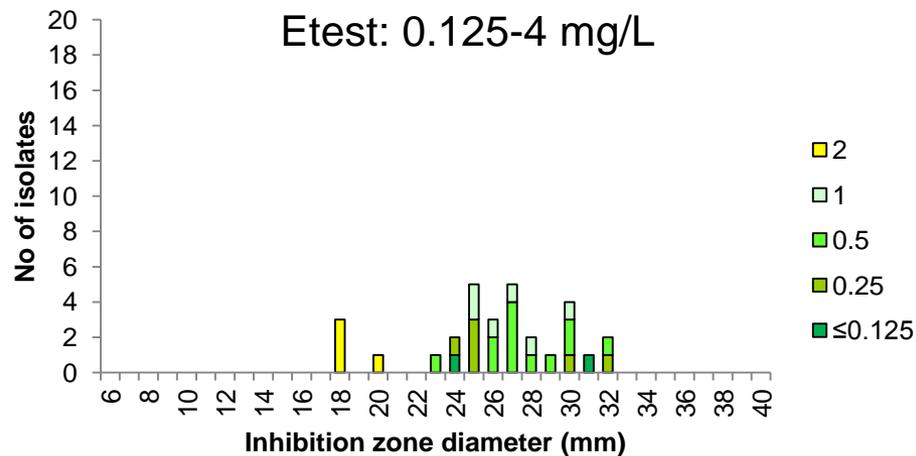
Ciprofloxacin 5 µg

A. urinae and *A. sanguinicola*



A. urinae

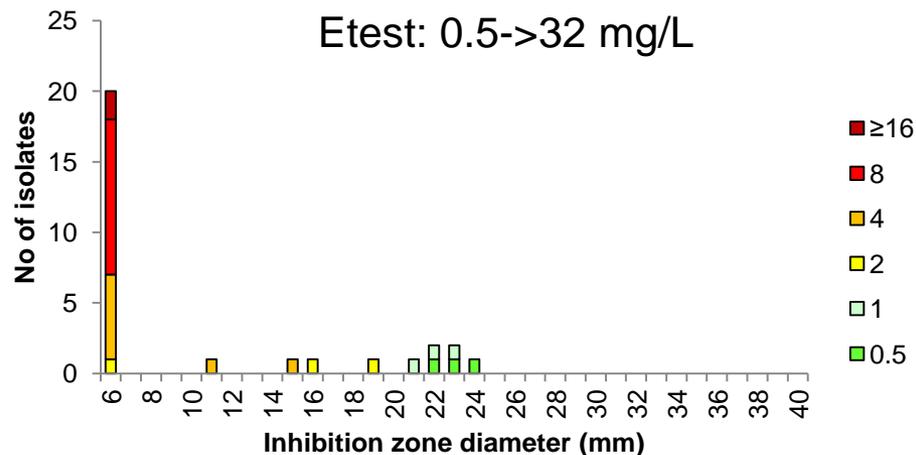
Etest: 0.125-4 mg/L



Ciprofloxacin-lapp svår att läsa
- Norfloxacin 10 µg som screen

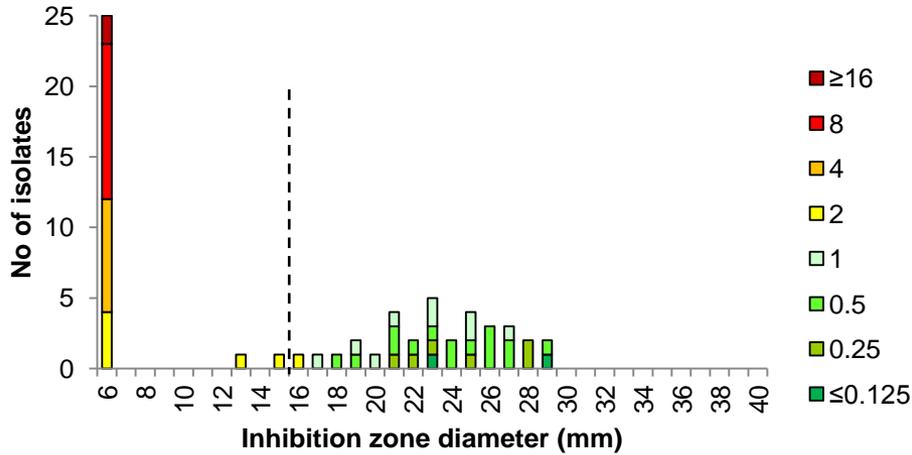
A. sanguinicola

Etest: 0.5->32 mg/L

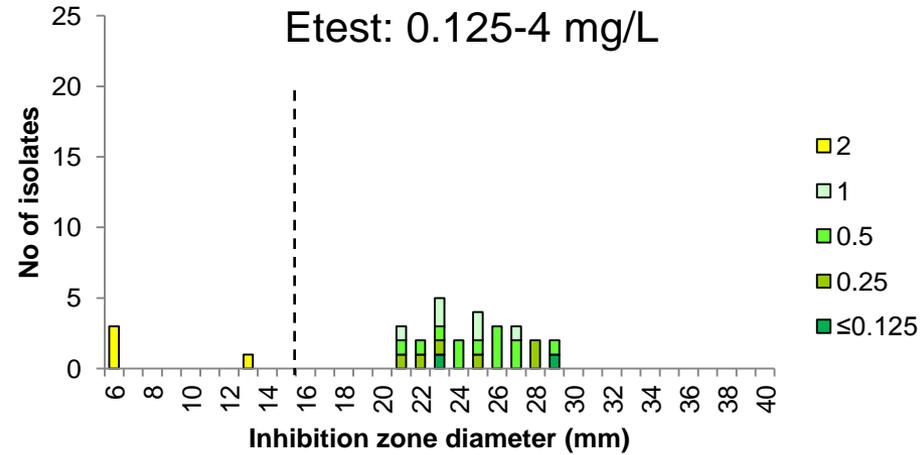


Norfloxacin 10 µg vs. Ciprofloxacin MIC

A. urinae and *A. sanguinicola*

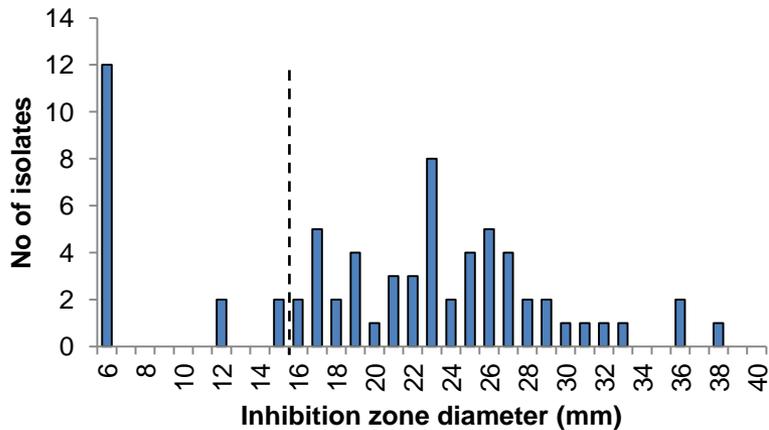


A. urinae

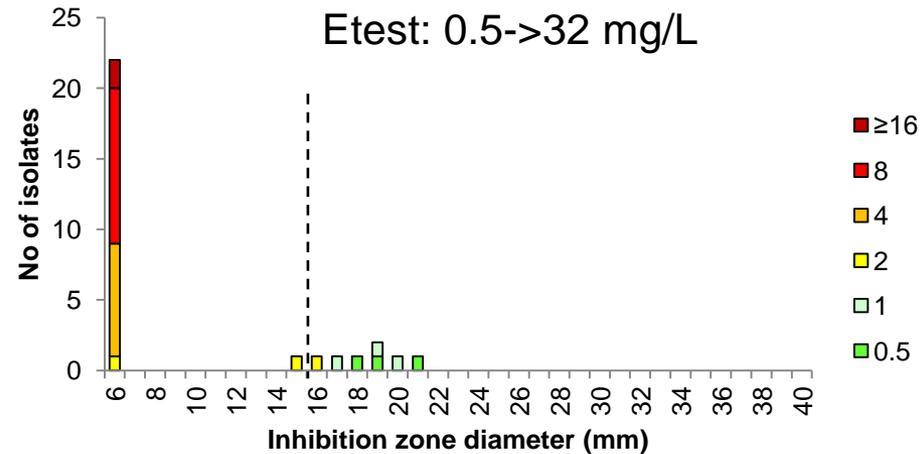


7 laboratorier, 70 isolat

A. urinae and *A. sanguinicola*



A. sanguinicola



Preliminära ECOFFs och zonbrytpunkter

A. urinae och *A. sanguinicola*

Antibiotika	Lappstyrka (µg)	ECOFF (mm)	S≥ (mm)	R< (mm)
Ampicillin	2	26	26	26
Nitrofurantoin	100	16	16	16
Norfloxacin	10	16	16 -tolkas till ciprofloxacin	16 -tolkas till ciprofloxacin

Medium

MH-F

Inokulat

McFarland 0.5

Inkubering

5% CO₂, 35°C, 16-20 h

- med möjlighet att förlänga inkuberingen ytterligare ett dygn vid otillräcklig (ej konfluerande) växt (totalt 40-44 h)

Pågående arbete

- Kinolonresistens
 - Test av isolat med verifierade resistensgener
alternativt avsaknad av resistensgener
- Zon och MIC för fler isolat
- Ta fram ECOFFs (MIC och zon)
- Kliniska brytpunkter under diskussion i
EUCAST