Table S3. Comparison of genotypic DST vs phenotypc DST resistance detection

Antibiotic — **Corhort 1 (Eswatini)**

Rifampicin

k = 0.62		pDST		
		0	**1**	**Σ**
gDST	**0**	14	0	**14**
	1	2	2	**4**
	Σ	**16**	**2**	**18**

Isoniazid

k = 0.73		pDST		
		0	**1**	**Σ**
gDST	**0**	12	2	**14**
	1	0	4	**4**
	Σ	**12**	**6**	**18**

Pyrazinamide

k = 0.61		pDST		
		0	**1**	**Σ**
gDST	**0**	7	1	**8**
	1	0	1	**1**
	Σ	**7**	**2**	**9**

Ethambutol

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	14	0	**14**
	1	0	4	**4**
	Σ	**14**	**4**	**18**

Streptomycin

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	13	0	**13**
	1	0	4	**4**
	Σ	**13**	**4**	**17**

Fluoroquinolones

Tionamide

Clofazimine

Bedaquiline

Overall

k = 0.82		pDST		
		0	**1**	**Σ**
gDST	**0**	60	3	63
	1	2	15	17
	Σ	**62**	**18**	80

Cohort 2 (Germany)

Rifampicin

k = 0.73		pDST		
		0	**1**	**Σ**
gDST	**0**	5	1	**6**
	1	0	6	**6**
	Σ	**5**	**7**	**12**

Isoniazid

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	6	0	**6**
	1	0	6	**6**
	Σ	**6**	**6**	**12**

Pyrazinamide

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	9	0	**9**
	1	0	2	**2**
	Σ	**9**	**2**	**11**

Ethambutol

k =1		pDST		
		0	**1**	**Σ**
gDST	**0**	7	0	**7**
	1	0	5	**5**
	Σ	**7**	**5**	**12**

Fluoroquinolones

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	5	0	**5**
	1	0	2	**2**
	Σ	**5**	**2**	**7**

Tionamide

k = 0.08		pDST		
		0	**1**	**Σ**
gDST	**0**	1	4	**5**
	1	0	1	**1**
	Σ	**1**	**5**	**6**

Clofazimine

k = 0.59		pDST		
		0	**1**	**Σ**
gDST	**0**	5	0	**5**
	1	1	1	**2**
	Σ	**6**	**1**	**7**

Bedaquiline

k = 1		pDST		
		0	**1**	**Σ**
gDST	**0**	6	0	**6**
	1	0	1	**1**
	Σ	**6**	**1**	**7**

Overall

k = 0.84		pDST		
		0	**1**	**Σ**
gDST	**0**	50	5	55
	1	1	25	26
	Σ	**51**	**30**	81

Legend: Sensitive results are delineated by a 0 and resistant results are delineated by a 1, the sums are represented by Σ
Abbreviations: gDST (genotypic drug susceptibility testing), pDST (phenotypic drug susceptibility testing)