

Table S6: Discrepancy Analysis for AST Very Major and Major Errors

	Error Type	Organism	Drug	SOC MIC (µg/mL) (Interpretation)	AXDX MIC (µg/mL) (Interpretation)	Resolved MIC (µg/mL) (Interpretation)	Adjudication
1	VME	EFM	VAN	32 (R)	2 (S)	64 (R)	SOC
2	VME	EFM	DAP	8 (NS)	1 (S)	2 (S)	AXDX
3	VME	CNS	MLSb	Positive (R)	Negative (S)	Positive (R)	SOC
4	VME	CNS	MRS	Positive (R)	Negative (S)	Positive (R)	SOC
5	VME	PRO	ATM	16 (R)	2 (S)	≤ 1 (S)	AXDX
6	VME	KLE	FEP	> 16 (R)	1 (S)	≤ 1 (S)	AXDX
7	VME	KLE	TZP	128 (R)	16 (S)	256 (R)	SOC
8	VME	ECO	FEP	> 16 (R)	2 (S)	2 (S)	AXDX
9	VME	SMA	TZP	128 (R)	16 (S)	1 (S)	AXDX
10	VME	SMA	CAZ	32 (R)	2 (S)	0.125 (S)	AXDX
11	VME	SMA	ATM	32 (R)	4 (S)	0.125 (S)	AXDX
12	VME	ECO	TZP	128 (R)	16 (S)	128 (R)	SOC
13	ME	CNS	MLSb	Negative (S)	Positive (R)	Negative (S)	SOC
14	ME	CNS	MRS	Negative (S)	Positive (R)	Positive (R)	AXDX
15	ME	ENT	CAZ	1 (S)	16 (R)	0.5 (S)	SOC
16	ME	ENT	ATM	4 (S)	16 (R)	0.125 (S)	SOC
17	ME	ENT	CAZ	1 (S)	16 (R)	0.25 (S)	SOC

VME: Very Major Error, ME: Major Error, EFM: *Enterococcus faecium*, CNS: Coagulase Negative *Staphylococcus* spp., PRO: *Proteus* spp., KLE: *Klebsiella* spp., ECO: *Escherichia coli*, SMA: *Serratia marcescens*, ENT: *Enterobacter* spp., VAN: Vancomycin, DAP: Daptomycin, MLSb: macrolide-lincosamide-streptogramin B resistance, MRS: Methicillin-resistant *Staphylococcus*, ATM: Aztreonam, FEP: Cefepime, TZP: Piperacillin-tazobactam, CAZ: Ceftazidime, R: Resistant, S: Susceptible, NS: Non-susceptible, SOC: Standard of Care, AXDX: Accelerate Pheno™ system