

Table S1 Pathogen-specific performance of PCR tests as compared with routine microbiology as the gold standard in respiratory samples or non-respiratory samples

Pathogen	All samples (n=452)					Respiratory samples (n=252)					Non-respiratory samples (n=210)				
	TP	FP	FN	TN	Kappa (P value)	TP	FP	FN	TN	Kappa (P value)	TP	FP	FN	TN	Kappa (P value)
Bacteria															
<i>Pseudomonas aeruginosa</i>	68	101	2	271	0.445 (P<0.001)	53	70	1	113	0.413 (P<0.001)	15	31	1	158	0.416 (P<0.001)
<i>Klebsiella pneumoniae</i>	29	138	1	274	0.203 (P<0.001)	19	98	1	119	0.156 (P<0.001)	10	40	0	155	0.274 (P<0.001)
<i>Acinetobacter baumannii</i>	83	138	4	217	0.357 (P<0.001)	54	83	2	98	0.337 (P<0.001)	29	55	2	119	0.364 (P<0.001)
<i>Staphylococcus aureus</i>	21	77	3	341	0.282 (P<0.001)	15	51	2	169	0.279 (P<0.001)	6	26	1	172	0.267 (P<0.001)
<i>Stenotrophomonas maltophilia</i>	15	227	1	199	0.052 (P=0.001)	12	145	0	80	0.053 (P=0.011)	3	82	1	119	0.031 (P<0.169)
<i>Streptococcus pneumoniae</i>	0	33	0	409	0.000 (P=1.000)	0	31	0	206	0.000 (P=1.000)	0	2	0	203	0.000 (NA)
<i>Group A streptococcus</i>	0	4	0	438	0.000 (NA)	0	4	0	233	0.000 (NA)	0	0	0	205	NA
<i>Haemophilus influenzae</i>	5	30	1	406	0.226 (P<0.001)	5	24	1	207	0.254 (P<0.001)	0	6	0	199	0.000 (P=1.000)
<i>Enterococcus faecium</i>	14	36	2	390	0.391 (P<0.001)	3	20	1	213	0.199 (P<0.001)	11	16	1	177	0.526 (P<0.001)
<i>Enterococcus faecalis</i>	9	67	1	365	0.176 (P<0.001)	3	39	0	195	0.112 (P<0.001)	6	28	1	170	0.250 (P<0.001)
<i>Escherichia coli</i>	9	44	0	389	0.265 (P<0.001)	2	30	0	205	0.103 (P<0.001)	7	14	0	184	0.473 (P<0.001)
<i>Mycobacterium tuberculosis</i>	3	0	6	136	0.484 (P<0.001)	2	1	6	84	0.332 (P<0.001)	0	0	1	51	0.000 (NA)
<i>Atypical mycobacteria</i>	0	0	8	137	0.000 (NA)	0	0	8	85	0.000 (NA)	0	0	0	52	NA
Fungi															
<i>Candida albicans</i>	28	22	19	336	0.520 (P<0.001)	25	18	18	164	0.482 (P<0.001)	3	4	1	172	0.532 (P<0.001)
<i>Mucor</i>	0	0	0	405	NA	0	0	0	225	NA	0	0	0	180	NA
<i>Aspergillus</i>	3	0	3	87	0.652 (P<0.001)	3	0	3	85	0.651 (P<0.001)	0	0	0	2	NA
<i>Penicillium marneffeii</i>	0	1	0	404	0.000 (NA)	0	1	0	224	0.000 (NA)	0	0	0	180	NA

PCR, polymerase chain reaction; TP, true positive; FP, false positive; FN, false negative; TN, true negative; NA, not available.