

(A) Cluster proportion

Site	Cluster isolates	Total isolates	Proportion [95% CI]
Region = Eastern Africa			
Site 6	8	27	0.30 [0.14; 0.50]
Site 3	75	167	0.45 [0.37; 0.53]
Site 10	9	19	0.47 [0.24; 0.71]
Site 8	8	15	0.53 [0.27; 0.79]
Site 2	20	31	0.65 [0.45; 0.81]
Site 5	13	20	0.65 [0.41; 0.85]
Site 7	268	362	0.74 [0.69; 0.78]
Site 11	250	285	0.88 [0.83; 0.91]
Site 9	51	58	0.88 [0.77; 0.95]
Site 1	84	94	0.89 [0.81; 0.95]
Site 4	43	46	0.93 [0.82; 0.99]
Random effects model		1124	0.72 [0.57; 0.83]
Heterogeneity: $I^2 = 92.9\%$ [89.3%; 95.3%], $\tau^2 = 1.0498$ , $p < 0.0001$			
Region = Southern Asia			
Site 25	4	17	0.24 [0.07; 0.50]
Site 27	13	30	0.43 [0.25; 0.63]
Site 26	30	34	0.88 [0.73; 0.97]
Random effects model		81	0.55 [0.21; 0.85]
Heterogeneity: $I^2 = 89.4\%$ [71.4%; 96.1%], $\tau^2 = 1.6433$ , $p < 0.0001$			
Region = Southern Africa			
Site 16	0	12	0.00 [0.00; 0.26]
Site 24	2	13	0.15 [0.02; 0.45]
Site 19	6	23	0.26 [0.10; 0.48]
Site 22	4	13	0.31 [0.09; 0.61]
Site 21	11	21	0.52 [0.30; 0.74]
Site 23	28	49	0.57 [0.42; 0.71]
Site 18	16	27	0.59 [0.39; 0.78]
Site 17	24	34	0.71 [0.53; 0.85]
Site 15	21	29	0.72 [0.53; 0.87]
Site 20	17	22	0.77 [0.55; 0.92]
Random effects model		243	0.46 [0.29; 0.64]
Heterogeneity: $I^2 = 66.2\%$ [33.9%; 82.7%], $\tau^2 = 1.1537$ , $p = 0.0016$			
Region = Western Africa			
Site 13	6	16	0.38 [0.15; 0.65]
Site 12	10	25	0.40 [0.21; 0.61]
Site 14	14	34	0.41 [0.25; 0.59]
Random effects model		75	0.40 [0.30; 0.51]
Heterogeneity: $I^2 = 0\%$ [ 0.0%; 89.6%], $\tau^2 = 0$ , $p = 0.9698$			
Random effects model		1523	0.57 [0.46; 0.68]
Heterogeneity: $I^2 = 88.7\%$ [84.7%; 91.6%], $\tau^2 = 1.3012$ , $p < 0.0001$			
Test for subgroup differences: $\chi^2_3 = 11.12$ , $df = 3$ ( $p = 0.0111$ )			

