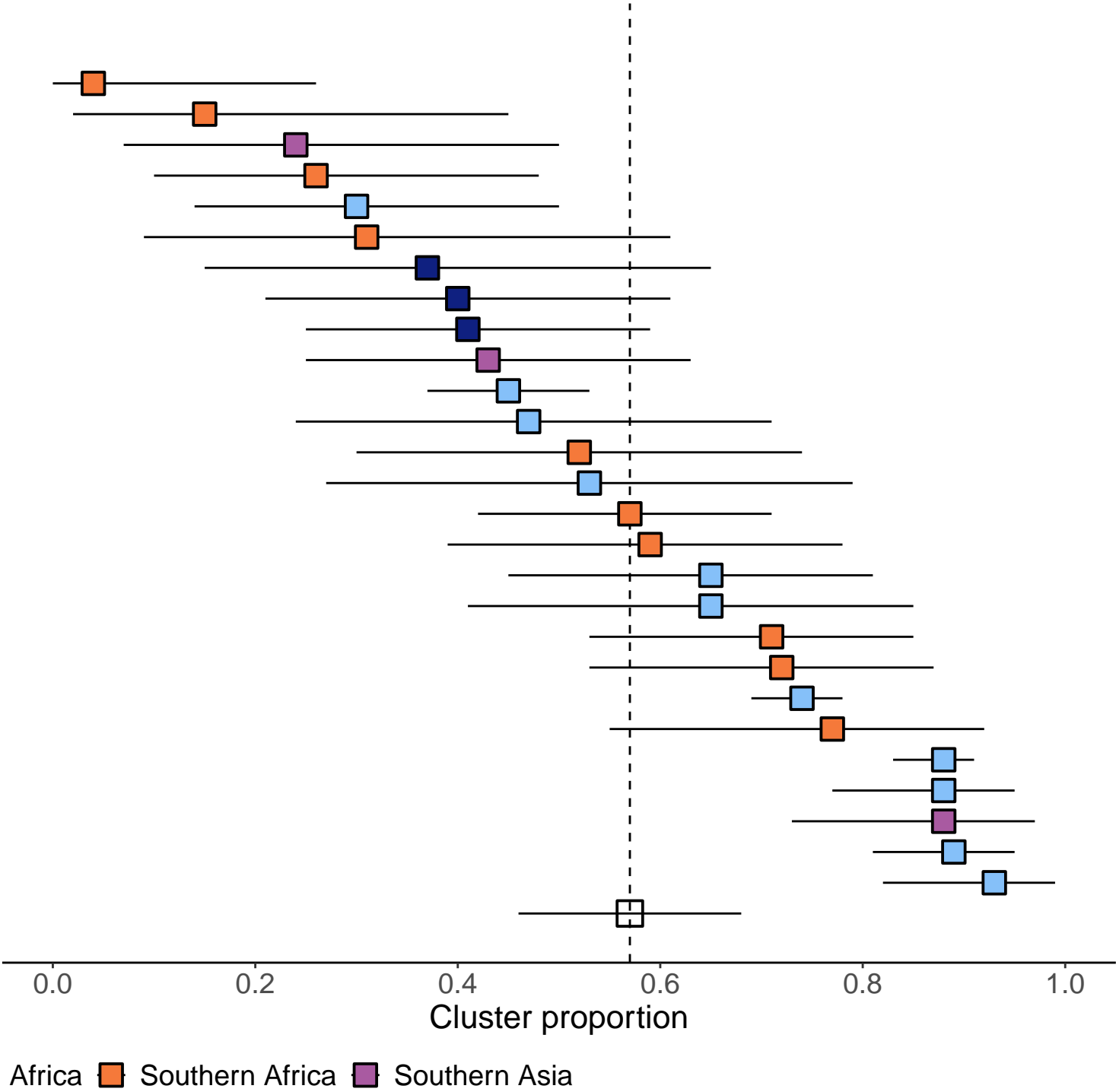


(A) Cluster proportion

Site	Total	Cluster isolates	Proportion [95% CI]
Site 16 (South Africa)	12	0	0.04 [0.00, 0.26]
Site 24 (South Africa)	13	2	0.15 [0.02, 0.45]
Site 25 (Bangladesh)	17	4	0.24 [0.07, 0.50]
Site 19 (South Africa)	23	6	0.26 [0.10, 0.48]
Site 6 (Malawi)	27	8	0.30 [0.14, 0.50]
Site 22 (South Africa)	13	4	0.31 [0.09, 0.61]
Site 13 (Nigeria)	16	6	0.37 [0.15, 0.65]
Site 12 (Ghana)	25	10	0.40 [0.21, 0.61]
Site 14 (Nigeria)	34	14	0.41 [0.25, 0.59]
Site 27 (Pakistan)	30	13	0.43 [0.25, 0.63]
Site 3 (Kenya)	167	75	0.45 [0.37, 0.53]
Site 10 (Zambia)	19	9	0.47 [0.24, 0.71]
Site 21 (South Africa)	21	11	0.52 [0.30, 0.74]
Site 8 (Rwanda)	15	8	0.53 [0.27, 0.79]
Site 23 (South Africa)	49	28	0.57 [0.42, 0.71]
Site 18 (South Africa)	27	16	0.59 [0.39, 0.78]
Site 2 (Ethiopia)	31	20	0.65 [0.45, 0.81]
Site 5 (Kenya)	20	13	0.65 [0.41, 0.85]
Site 17 (South Africa)	34	24	0.71 [0.53, 0.85]
Site 15 (Botswana)	29	21	0.72 [0.53, 0.87]
Site 7 (Malawi)	362	268	0.74 [0.69, 0.78]
Site 20 (South Africa)	22	17	0.77 [0.55, 0.92]
Site 11 (Zambia)	285	250	0.88 [0.83, 0.91]
Site 9 (Tanzania)	58	51	0.88 [0.77, 0.95]
Site 26 (India)	34	30	0.88 [0.73, 0.97]
Site 1 (Ethiopia)	94	84	0.89 [0.81, 0.95]
Site 4 (Kenya)	46	43	0.93 [0.82, 0.99]
Random effects model	1523	1035	0.57 [0.46, 0.68]

Heterogeneity:  $I^2 = 88.7\%$  [84.7%, 91.6%],  $\tau^2 = 1.3012$ ,  $p < 0.0001$



(B) Transmission proportion

Site	Total	Transmitted isolates	Proportion [95% CI]
Site 16 (South Africa)	12	0	0.04 [0.00, 0.26]
Site 24 (South Africa)	13	1	0.08 [0.00, 0.36]
Site 6 (Malawi)	27	4	0.15 [0.04, 0.34]
Site 22 (South Africa)	13	2	0.15 [0.02, 0.45]
Site 19 (South Africa)	23	4	0.17 [0.05, 0.39]
Site 25 (Bangladesh)	17	3	0.18 [0.04, 0.43]
Site 13 (Nigeria)	16	3	0.19 [0.04, 0.46]
Site 14 (Nigeria)	34	8	0.24 [0.11, 0.41]
Site 8 (Rwanda)	15	4	0.27 [0.08, 0.55]
Site 12 (Ghana)	25	8	0.32 [0.15, 0.54]
Site 10 (Zambia)	19	6	0.32 [0.13, 0.57]
Site 27 (Pakistan)	30	10	0.33 [0.17, 0.53]
Site 21 (South Africa)	21	7	0.33 [0.15, 0.57]
Site 3 (Kenya)	167	56	0.34 [0.26, 0.41]
Site 23 (South Africa)	49	19	0.39 [0.25, 0.54]
Site 18 (South Africa)	27	12	0.44 [0.25, 0.65]
Site 20 (South Africa)	22	10	0.45 [0.24, 0.68]
Site 5 (Kenya)	20	11	0.55 [0.32, 0.77]
Site 2 (Ethiopia)	31	18	0.58 [0.39, 0.75]
Site 17 (South Africa)	34	20	0.59 [0.41, 0.75]
Site 15 (Botswana)	29	18	0.62 [0.42, 0.79]
Site 7 (Malawi)	362	230	0.64 [0.58, 0.69]
Site 26 (India)	34	22	0.65 [0.46, 0.80]
Site 1 (Ethiopia)	94	74	0.79 [0.69, 0.86]
Site 11 (Zambia)	285	239	0.84 [0.79, 0.88]
Site 9 (Tanzania)	58	50	0.86 [0.75, 0.94]
Site 4 (Kenya)	46	40	0.87 [0.74, 0.95]
Random effects model	1523	879	0.42 [0.31, 0.53]

Heterogeneity:  $I^2 = 90.1\%$  [86.9%, 92.6%],  $\tau^2 = 1.3013$ ,  $p < 0.0001$

