Table S7: Association between change in otitis progression rate and phenotypic attributes.

Phenotypic attribute <sup>1</sup>	PCV7 or PCV13 serotypes		Non-vaccine serotypes	
	Ages 0-11 months	Ages 12-35 months	Ages 0-11 months	Ages 12-35 months
Resistance to neutrophil killing	0.75 (0.55, 1.10)	1.08 (0.78, 1.50)	0.78 (0.31, 1.91)	0.55 (0.20, 1.32)
Strength of anionic charge	0.94 (0.68, 1.33)	1.13 (0.82, 1.57)	1.11 (0.88, 1.37)	1.08 (0.84, 1.38)
Capsular size	0.88 (0.63, 1.28)	1.19 (0.84, 1.62)	0.71 (0.36, 1.41)	0.62 (0.31, 1.17)
IPD case-fatality ratio	0.81 (0.58, 1.16)	1.14 (0.80, 1.58)	0.95 (0.77, 1.18)	1.00 (0.79, 1.25)
Metabolic efficiency	0.90 (0.67, 1.21)	1.03 (0.73, 1.45)	1.08 (0.84, 1.39)	1.07 (0.82, 1.40)
Invasiveness	0.54 (0.21, 1.53)	0.84 (0.33, 2.27)	0.77 (0.62, 0.94)	0.85 (0.68, 1.06)

<sup>&</sup>lt;sup>1</sup>Phenotype characteristics and serotypes for which data were available are summarized in Tables 1 and S2.