Table S1 Efficacy of untargeted and targeted control, as measured by the rate of reduction in parasite transmission with number of individuals of host species i treated (C_i)

Key host type	Untargeted control	Targeted control
Pure super-abundant	$-\frac{C_i}{\sum_j H_j}$	$-\frac{C_i}{\sum_j H_j p_j}$
Pure super-infected	$-\frac{C_iNT}{\sum_j H_j}$	$-\frac{C_i}{\sum_j H_j p_j}$
Pure super-shedder	$-\frac{C_iNT}{\sum_j H_j}$	$-\frac{C_i NT}{\sum_j H_j p_j}$
Mixed super-abundant & infected	$-\frac{C_i\sqrt{NT}}{\sum_j H_j}$	$-rac{C_i}{\sum_j H_j p_j}$
Mixed super-abundant & shedder	$-\frac{C_i\sqrt{NT}}{\sum_j H_j}$	$-\frac{C_i\sqrt{NT}}{\sum_j H_j p_j}$
Mixed super-infected & shedder	$-\frac{C_i NT}{\sum_j H_j}$	$-\frac{C_i\sqrt{NT}}{\sum_j H_j p_j}$