

S2 Table. Structural identifiability of the model with H as an observable. Structural identifiability is tested when H instead of H_{sum} is given as an observable. It turns out that the identifiability result is similar to Table 3.

Parameter	I_{sum}, H, D_{sum}	I_{sum}, H	H, D_{sum}	H
β	global	global	global	global
p	global	global	global	global
q	global	not	global	not
ϵ	global	global	global	global
δ	global	global	global	global