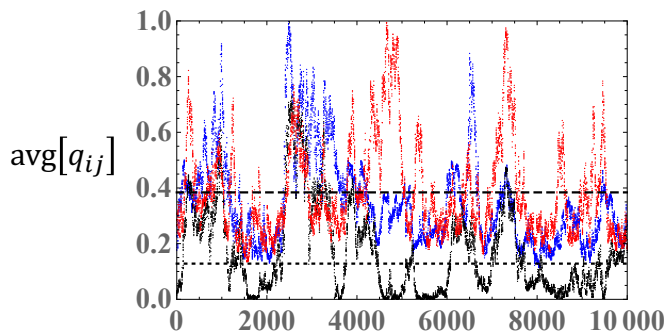


Figure S1

(a) $N_{tot} = 900$,
 $a_p = 0.999, \mu = 0.001$



(b) $N_{tot} = 9000$,
 $a_p = 0.9999, \mu = 0.0001$

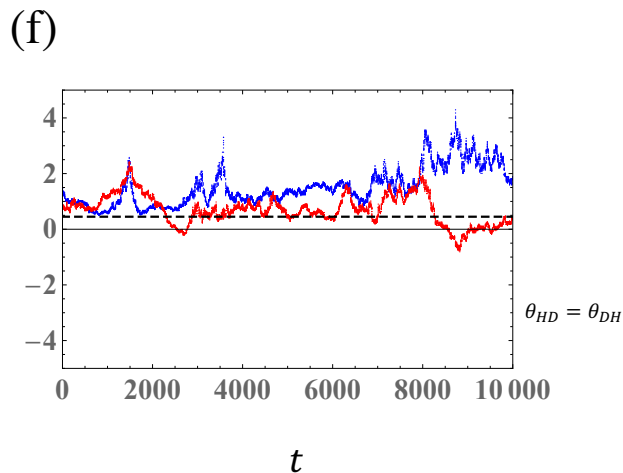
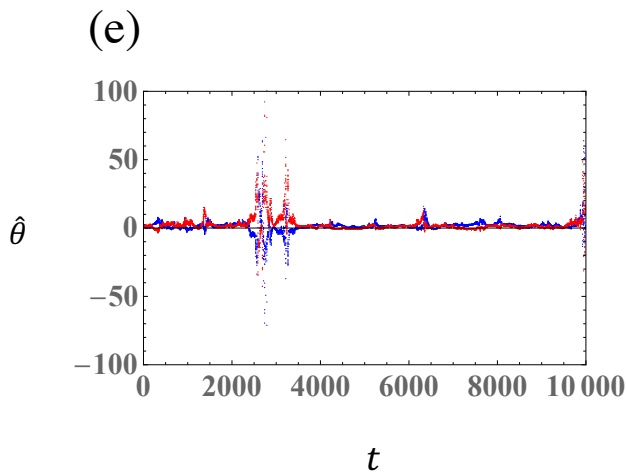
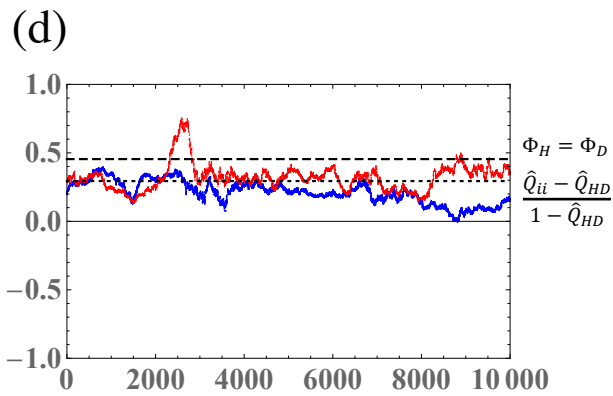
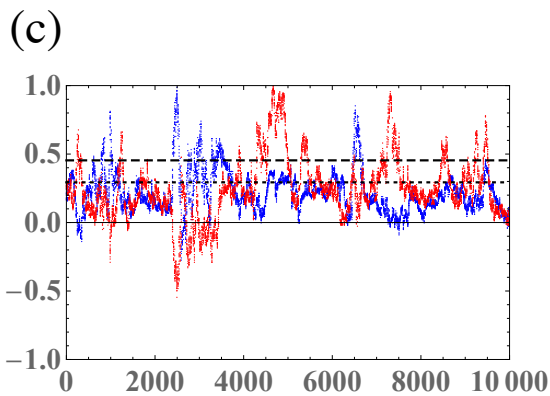
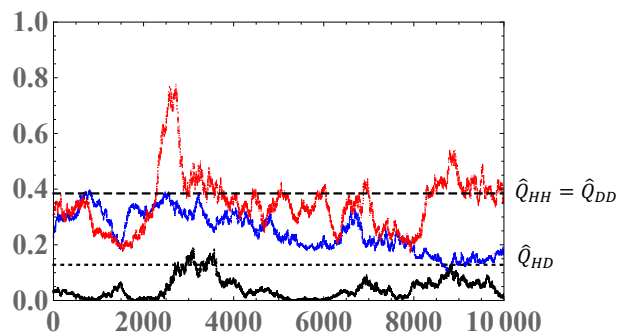
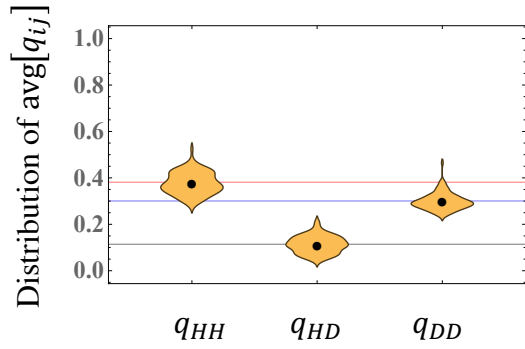
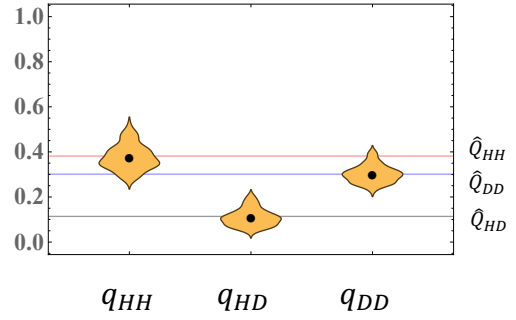


Figure S2

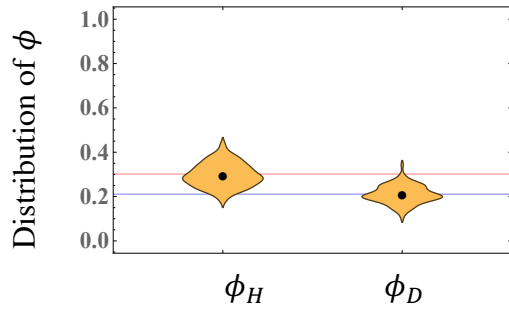
(a) $N_{tot} = 900$,
 $a_p = 0.999, \mu = 0.001$



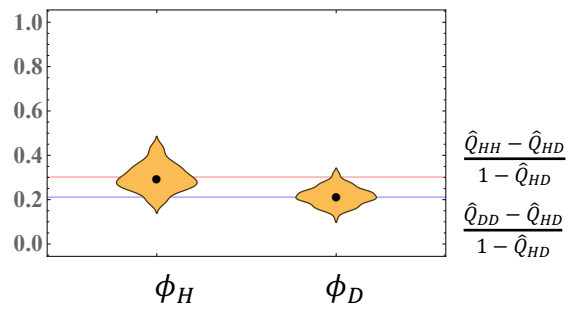
(b) $N_{tot} = 9000$,
 $a_p = 0.9999, \mu = 0.0001$



(c)



(d)



$$\hat{Q}_{DD} = \frac{1}{2D-1} \hat{Q}_{DDw} + \frac{2D-2}{2D-1} \hat{Q}_{DDb}$$

Figure S3

$N_{tot} = 900, a_p = 0.8, \mu = 0.001$

