Fast computational mutation-response scanning of proteins

# of proteins

Supplemenatary figures

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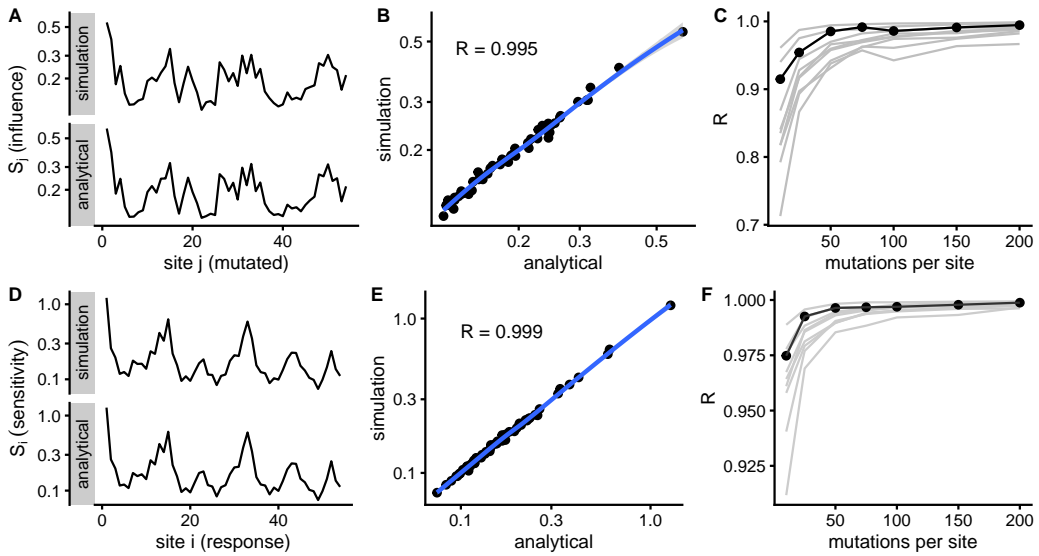
E-mail: jechave@unsam.edu.ar

The following pages contains figures similar to those of the main document for the other proteins of the dataset studied. See captions of main figures for details.
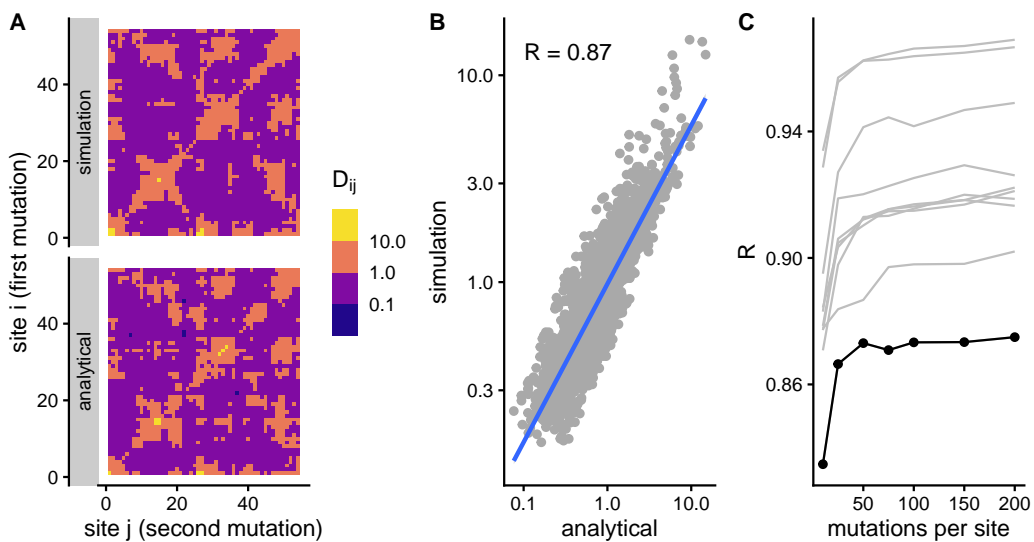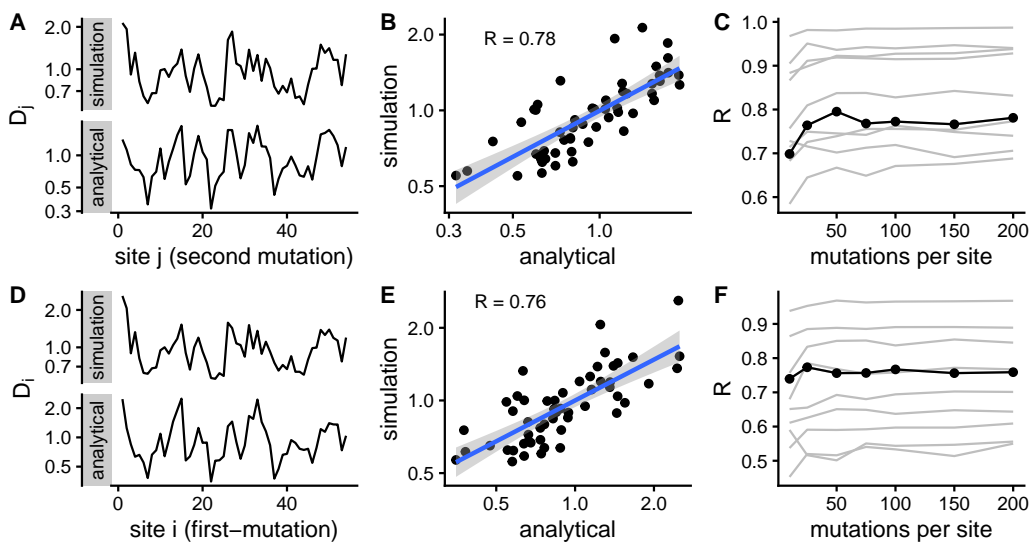
Sensitivity matrix, d1lcka1
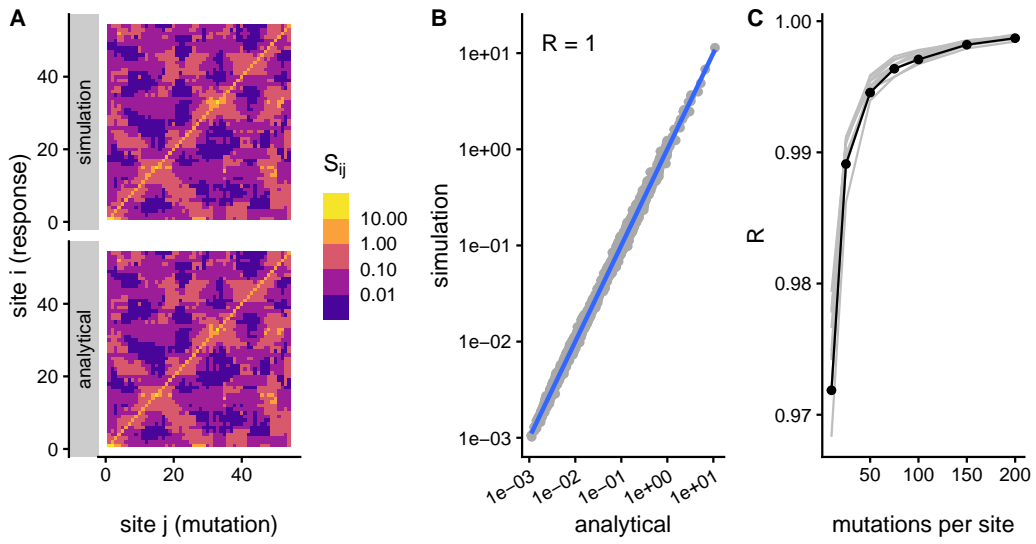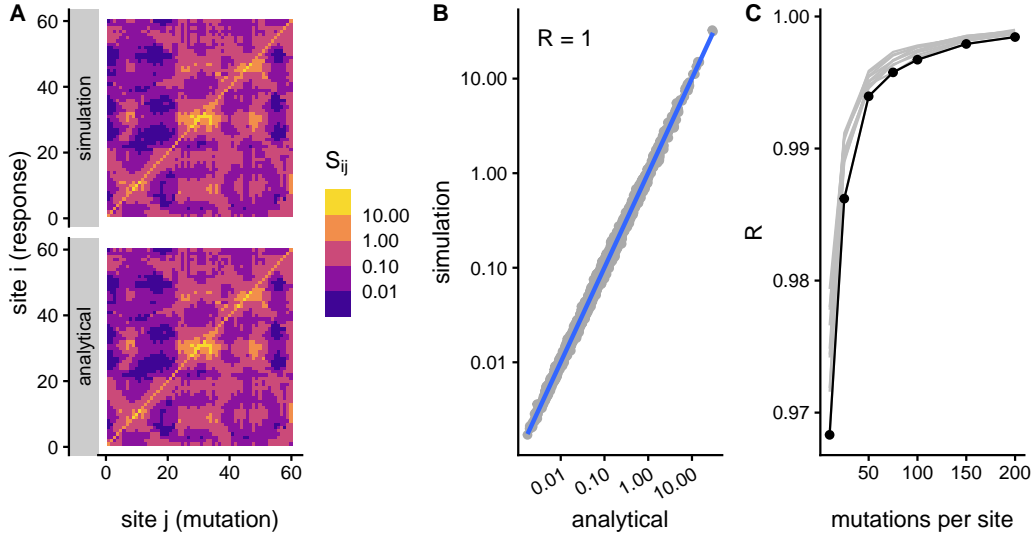

Influence and sensitivity profiles, d1lcka1
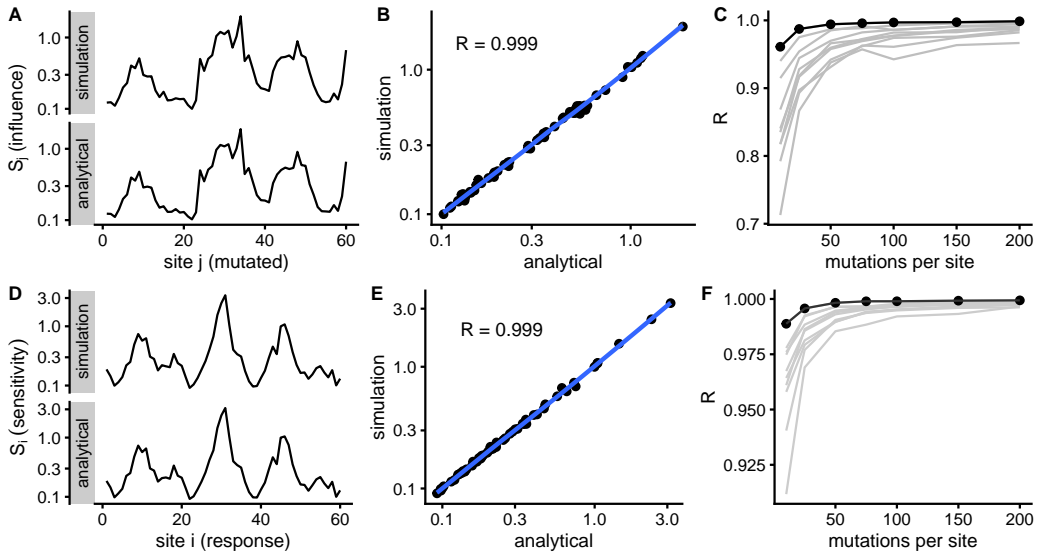

2

Compensation matrix, d1lcka1
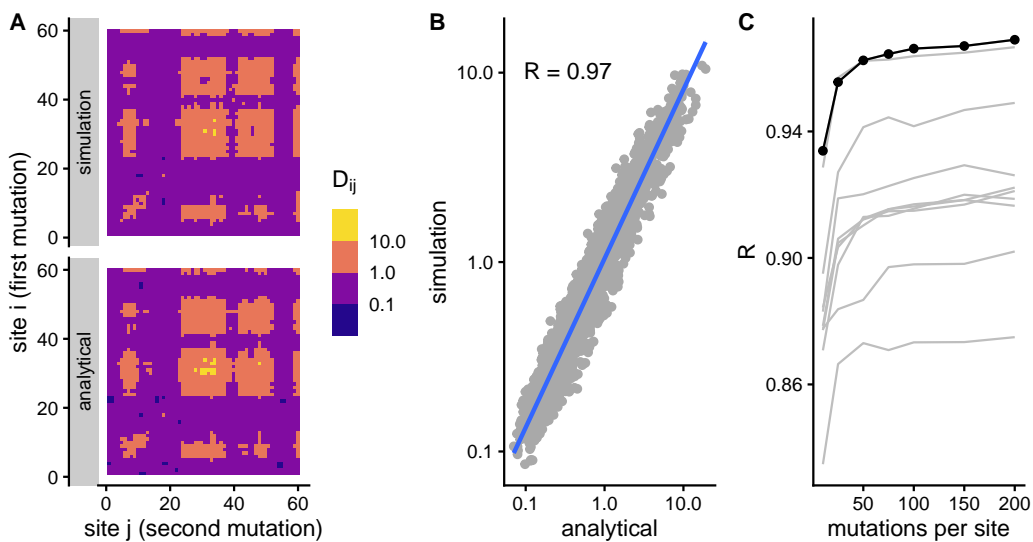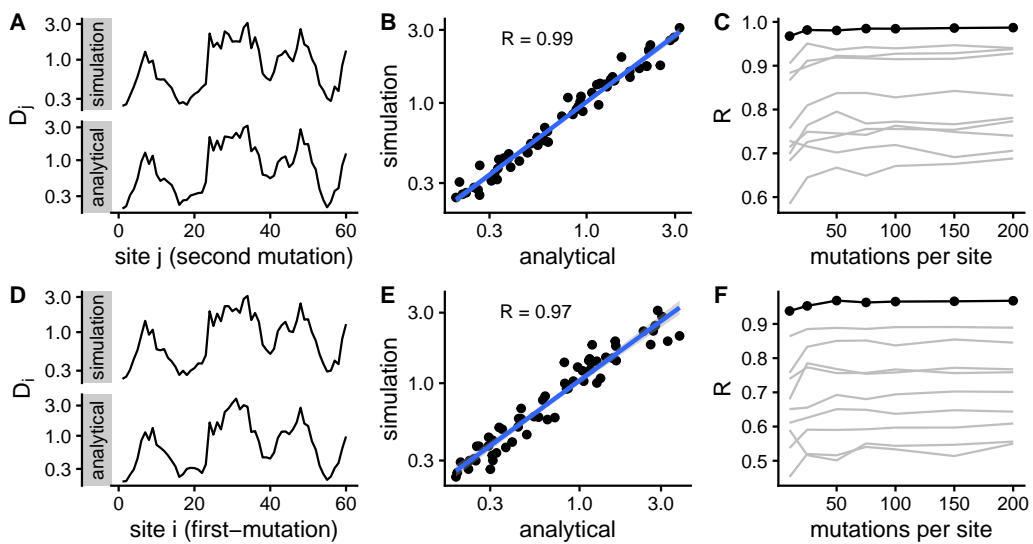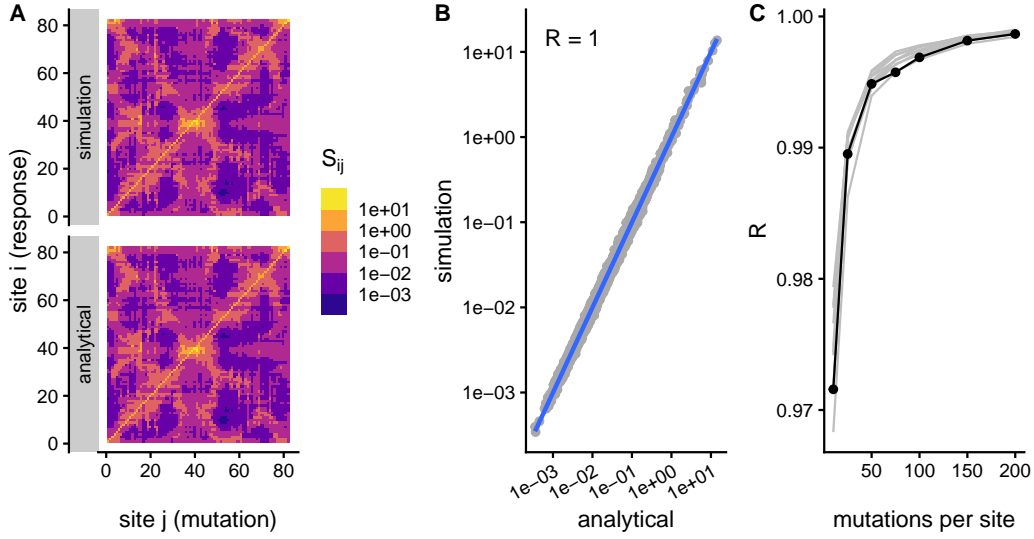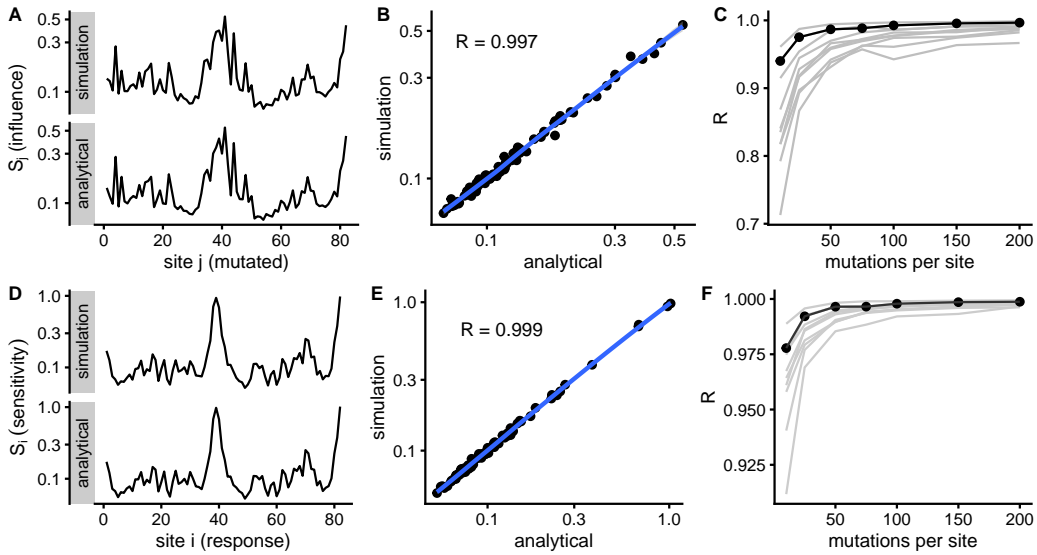

Compensation profiles, d1lcka1

Sensitivity matrix, d1ntxa

Influence and sensitivity profiles, d1ntxa

4

Compensation matrix, d1ntxa

A

site i (first mutation)

simulation

analytical

D_{ij}

site j (second mutation)

B

R = 0.97

simulation

analytical

C

R

mutations per site

Compensation profiles, d1ntxa

A

D_j

simulation

analytical

site j (second mutation)

B

R = 0.99

simulation

analytical

C

R

mutations per site

D

D_i

simulation

analytical

site i (first−mutation)

E

R = 0.97

simulation

analytical

F

R

mutations per site

5

Sensitivity matrix, d1fxla2

A

B

C

Influence and sensitivity profiles, d1fxla2

A

B

C

D

E

F

6

Compensation matrix, d1fxla2

A

B

R = 0.93

C

Compensation profiles, d1fxla2

A

B
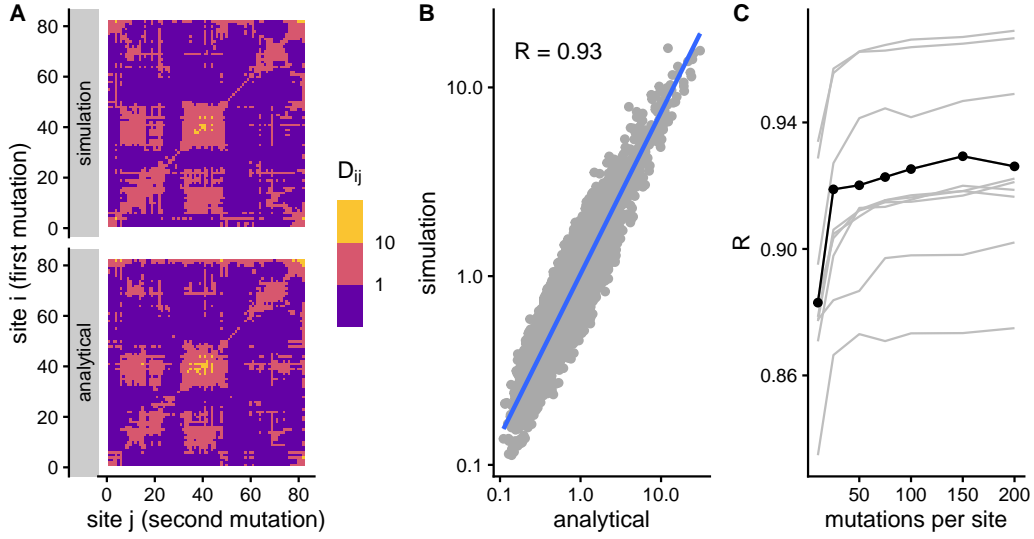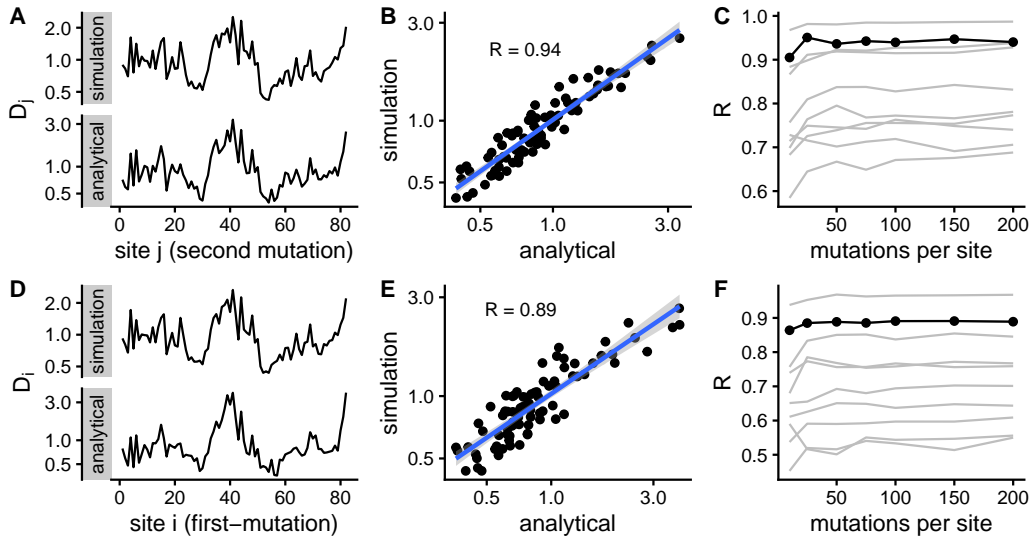

R = 0.94

C

D

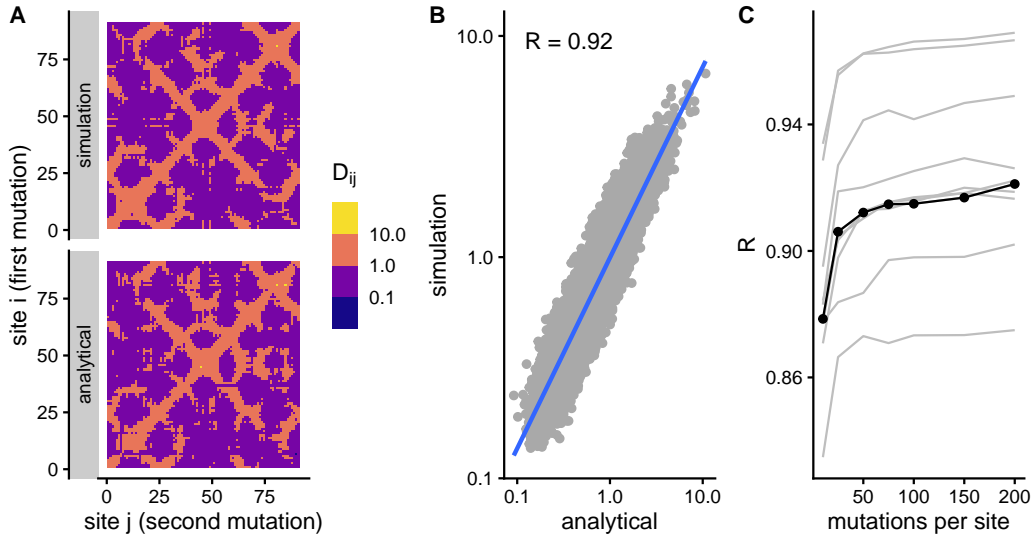
E

R = 0.89

F

Sensitivity matrix, d1bxva
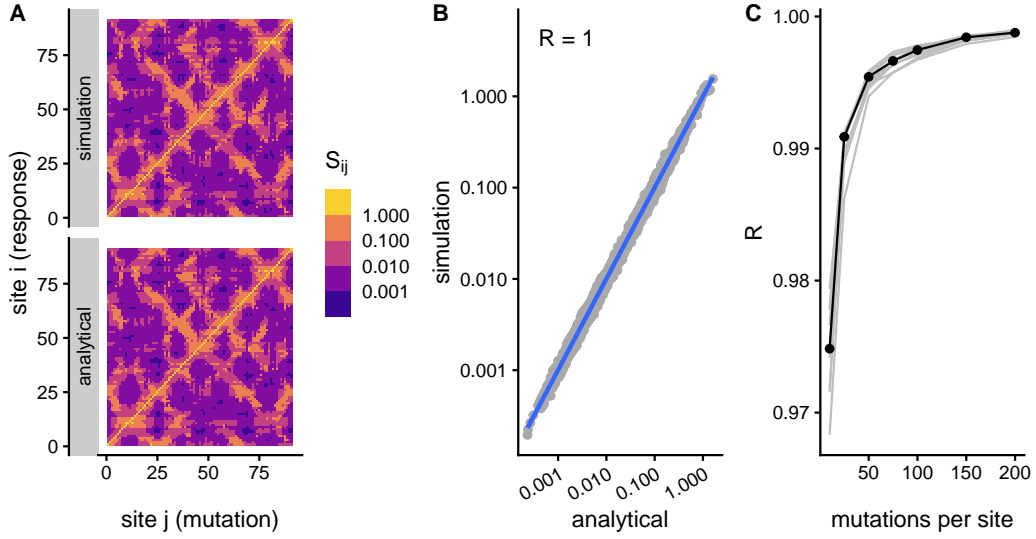
Influence and sensitivity profiles, d1bxva
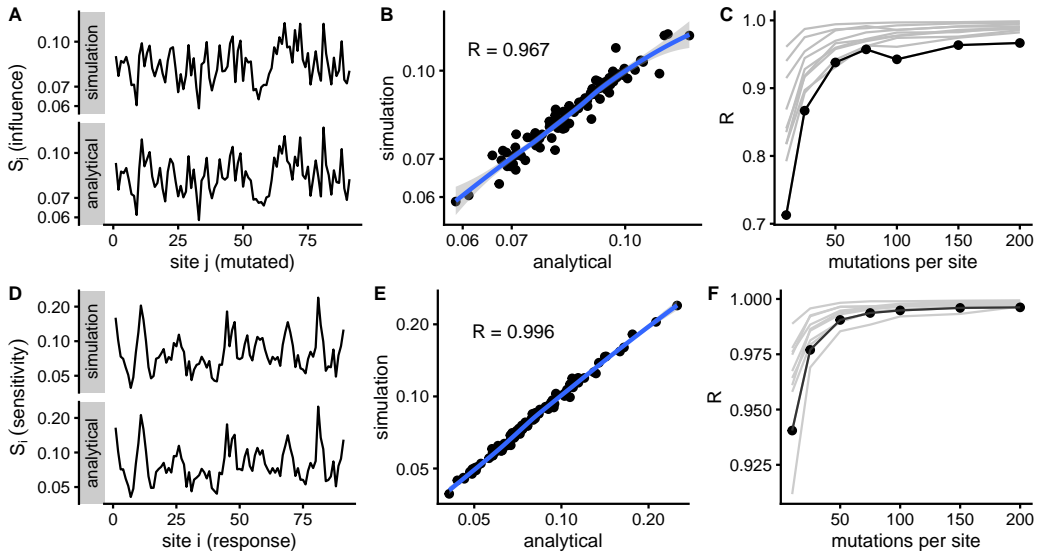
Compensation matrix, d1bxva

A

B

R = 0.92

C

Compensation profiles, d1bxva

A

B

R = 0.69

C

D

E

R = 0.55

F
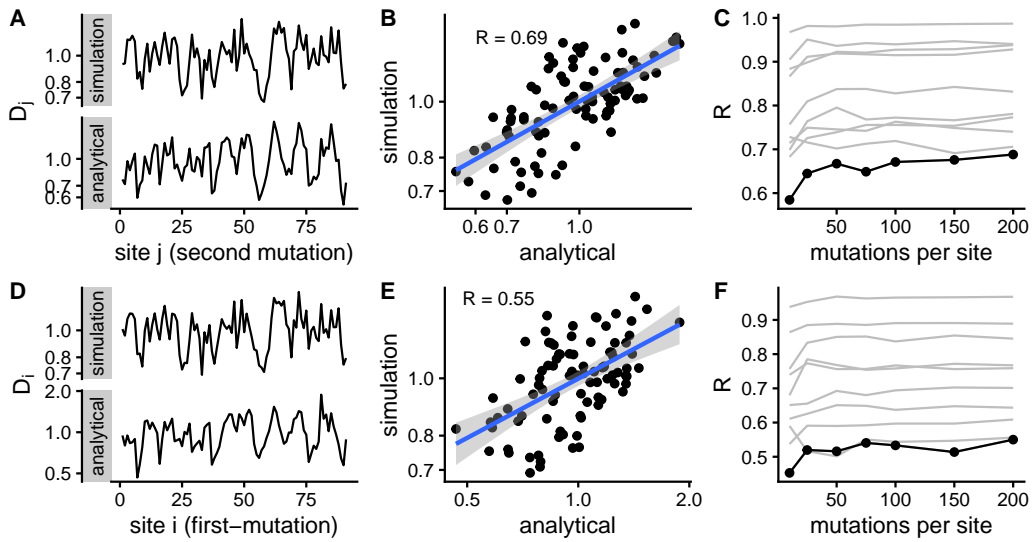
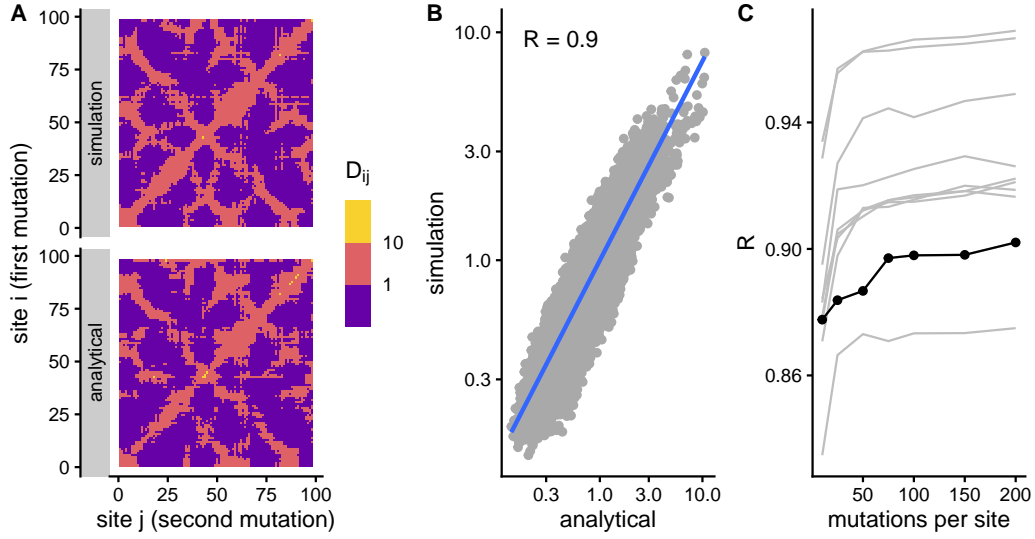**Sensitivity matrix, d2acya**
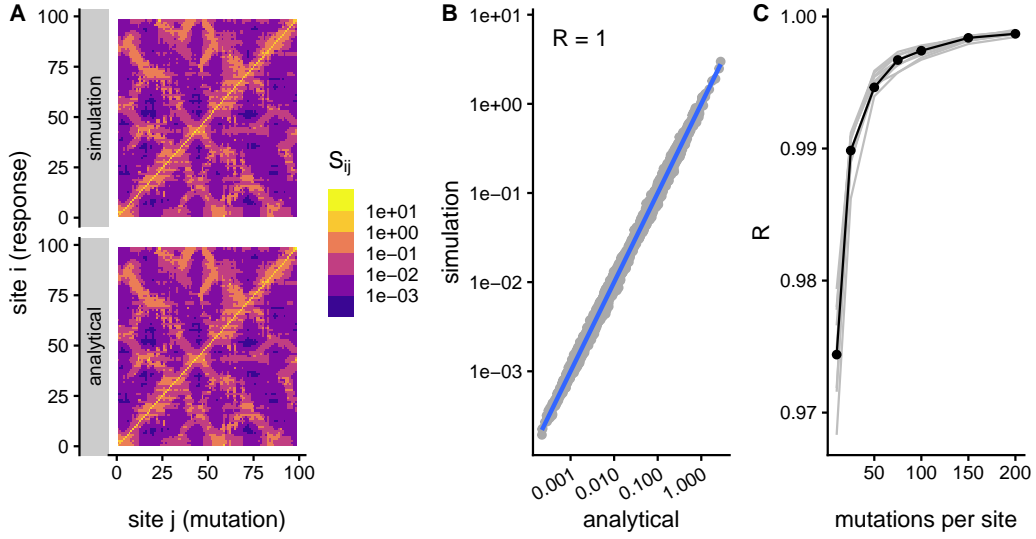
Influence and sensitivity profiles, d2acya
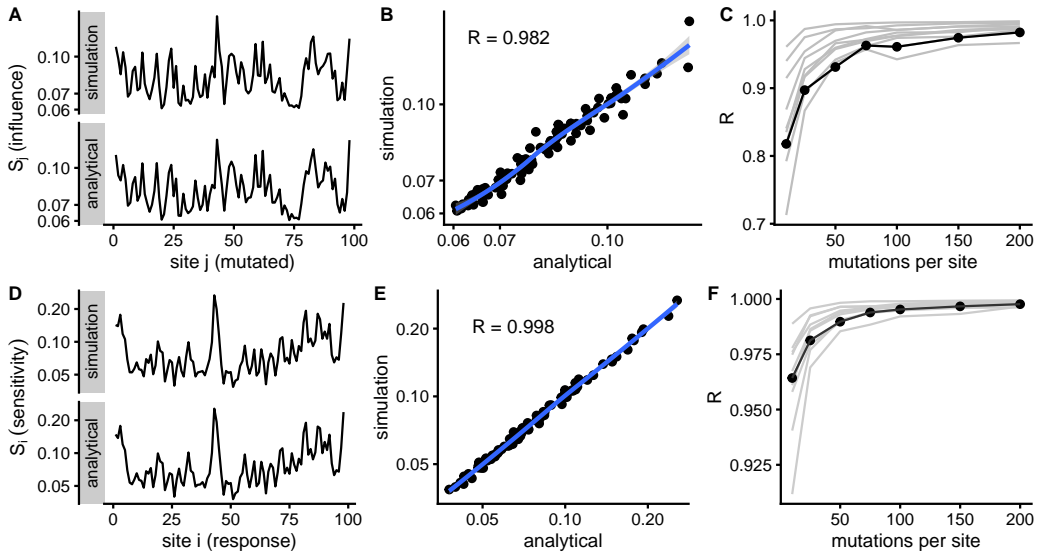
Compensation matrix, d2acya

A

B

R = 0.9

C

Compensation profiles, d2acya

A

B

R = 0.71

C

D

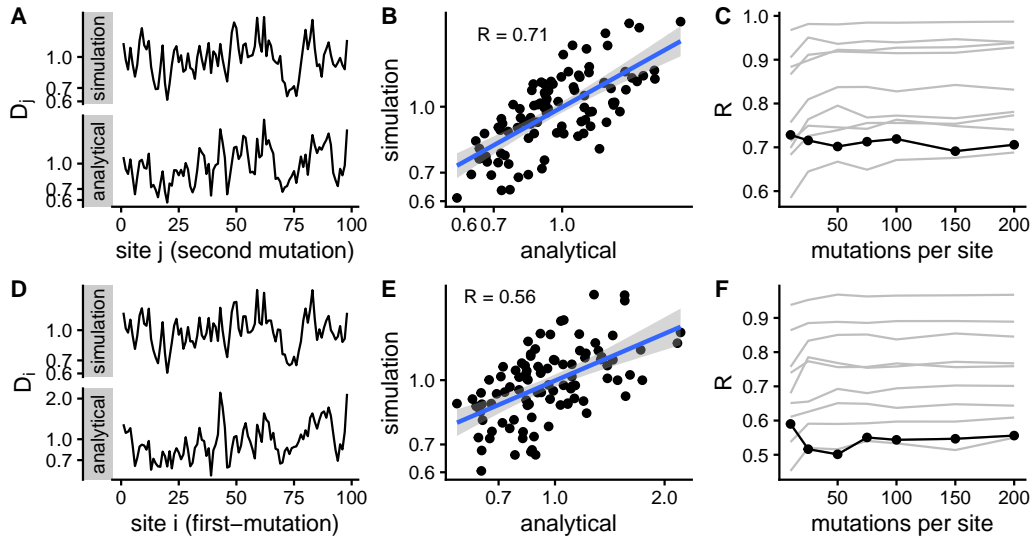**E**

R = 0.56

F

Sensitivity matrix, d1hmta
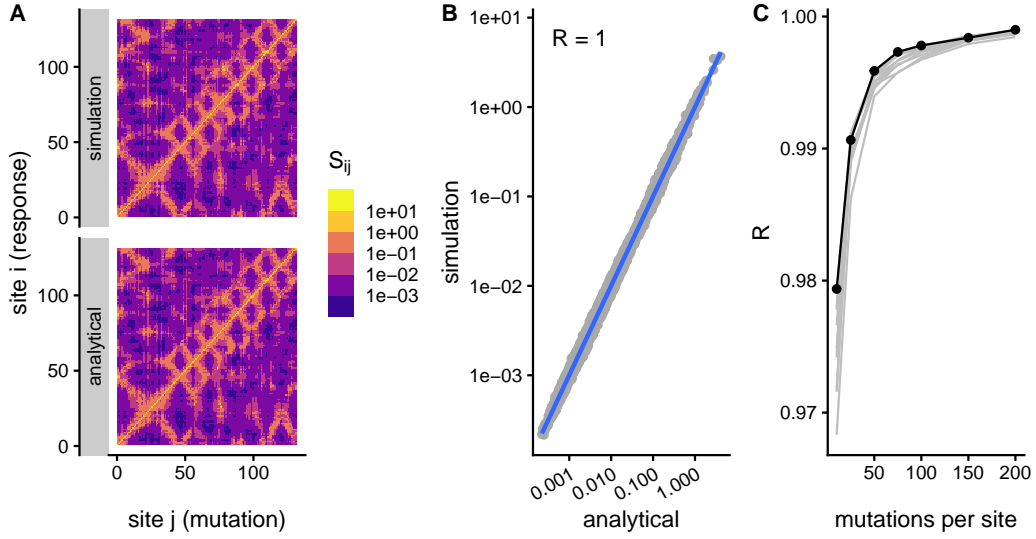

Influence and sensitivity profiles, d1hmta
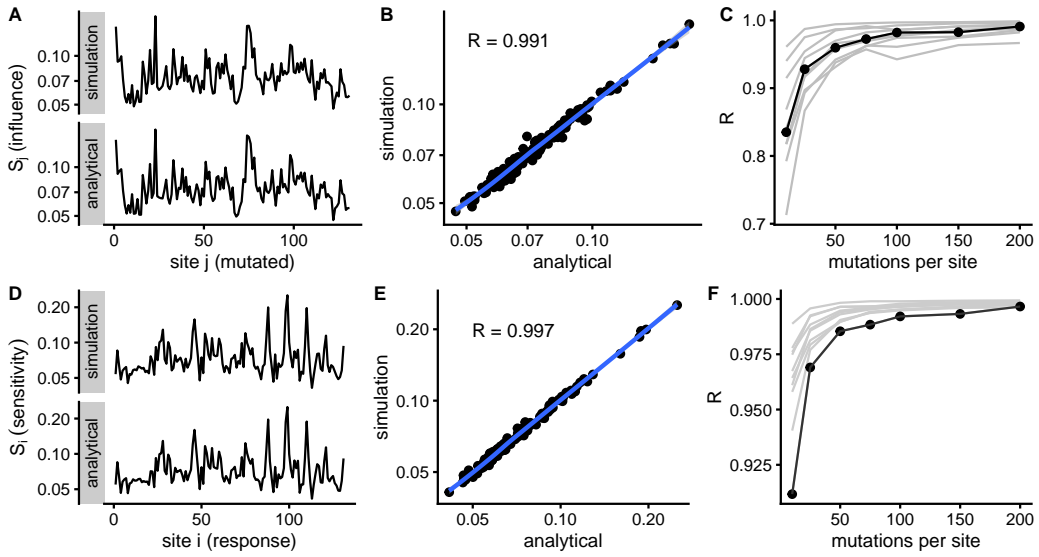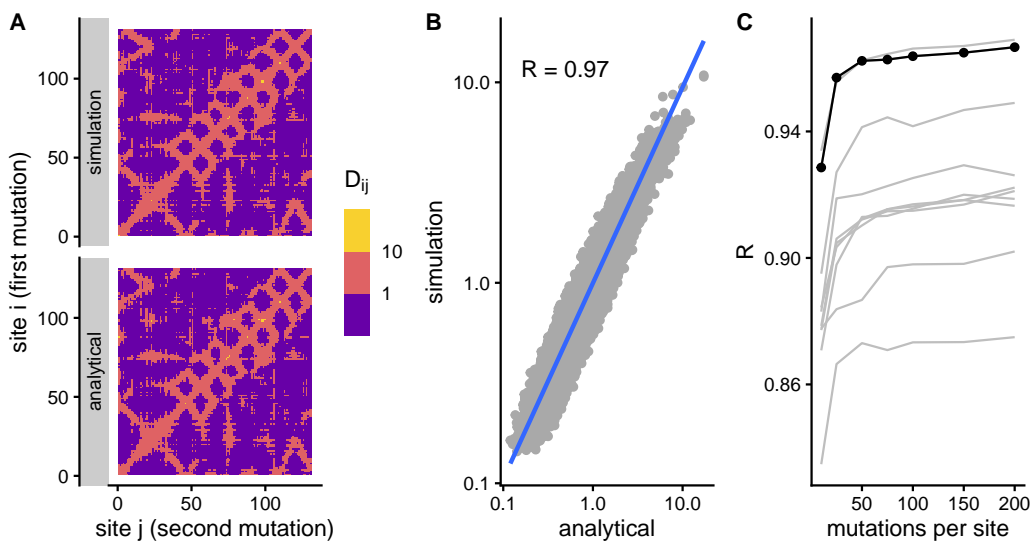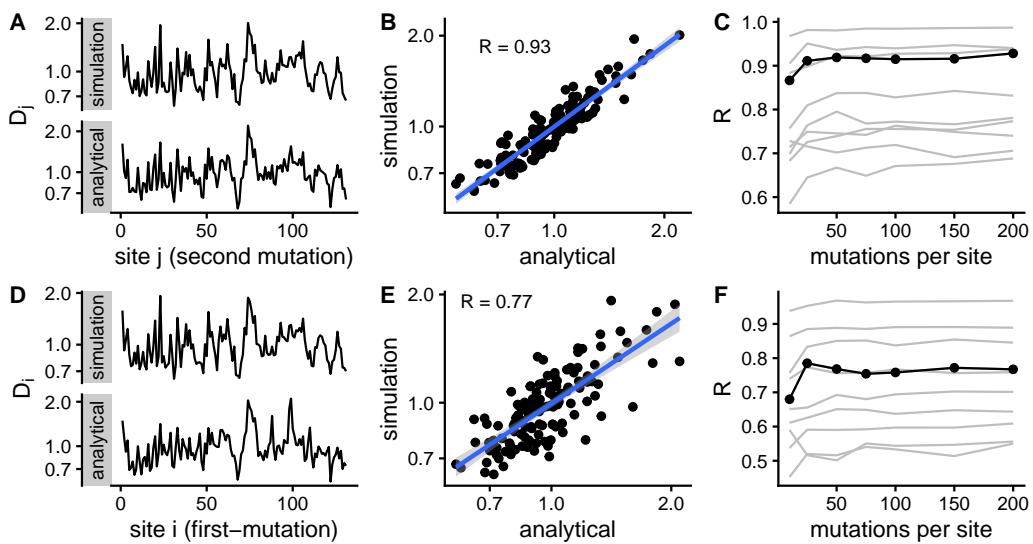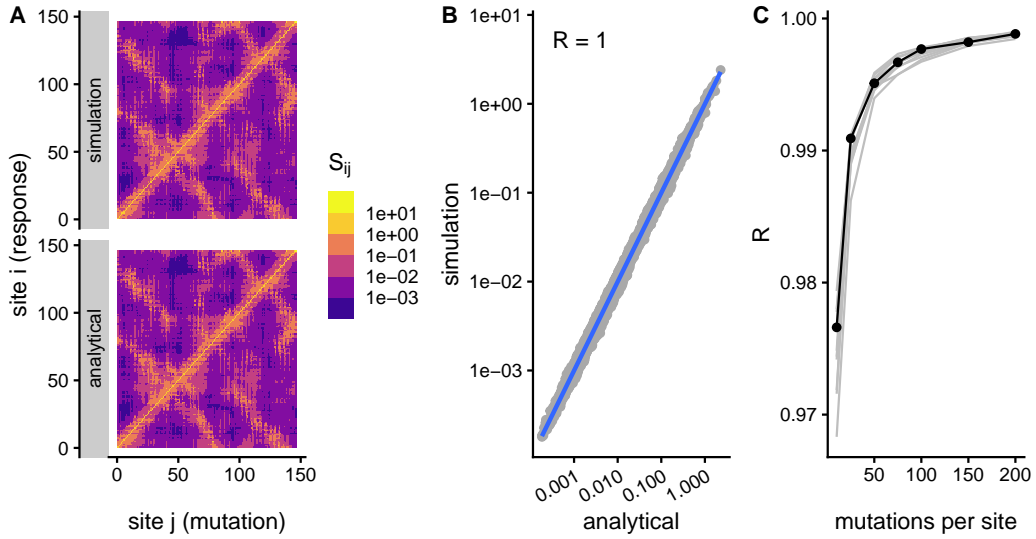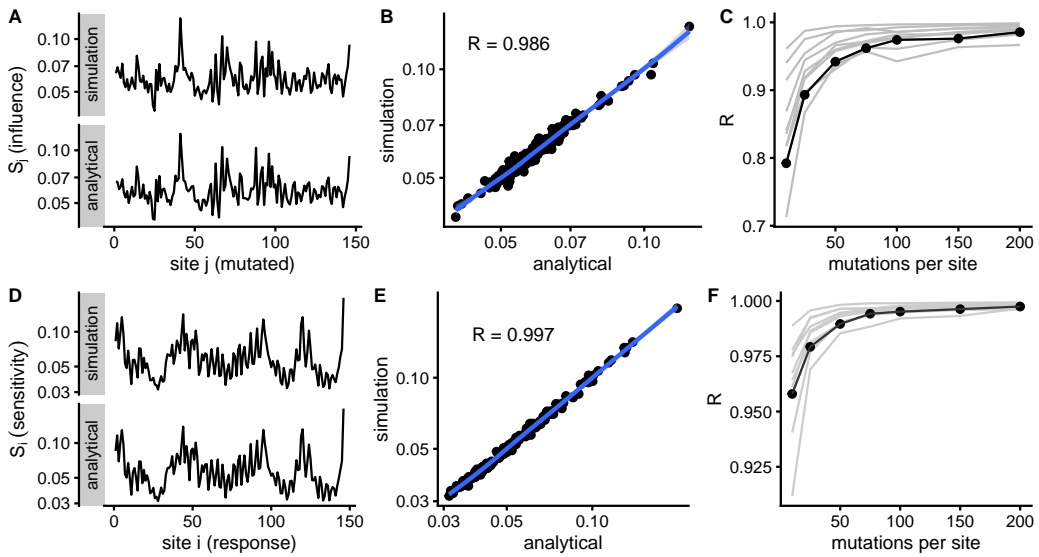

12

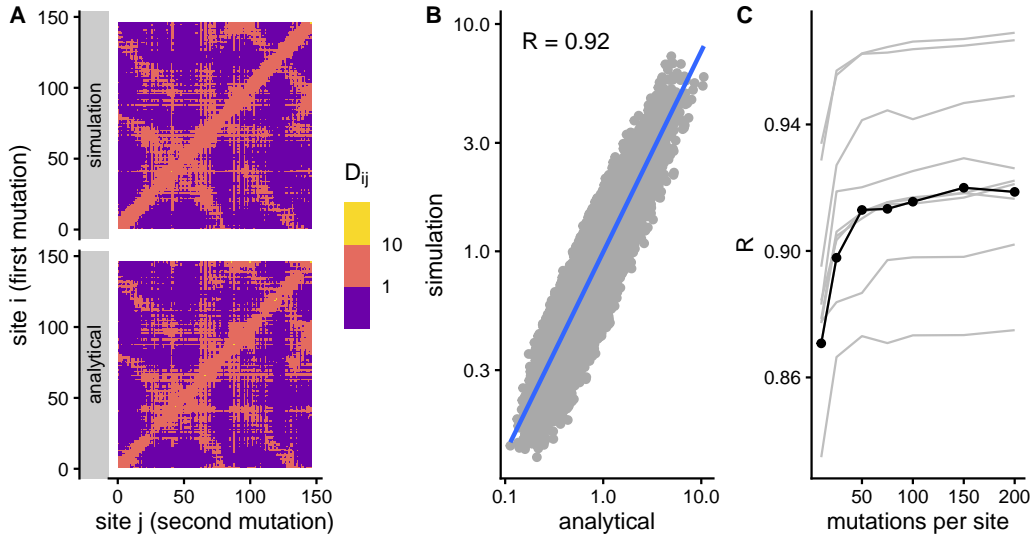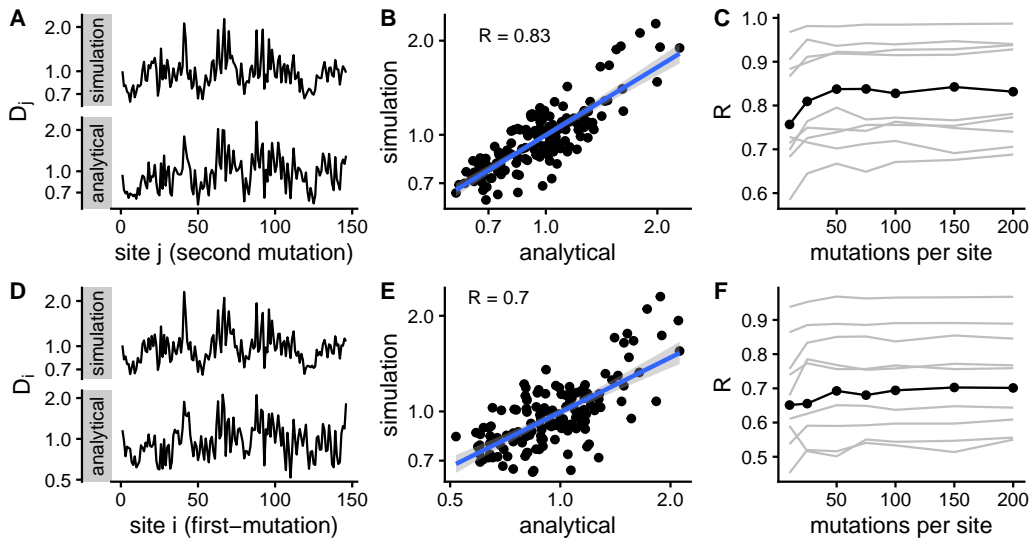## Compensation matrix, d1hmta

Compensation profiles, d1hmta

Sensitivity matrix, d1a4fb

Influence and sensitivity profiles, d1a4fb

Compensation matrix, d1a4fb

A

B

R = 0.92

C

Compensation profiles, d1a4fb

A

B

R = 0.83

C

D

E

R = 0.7

F

Sensitivity matrix, d1mcta

A

B

R = 1

C
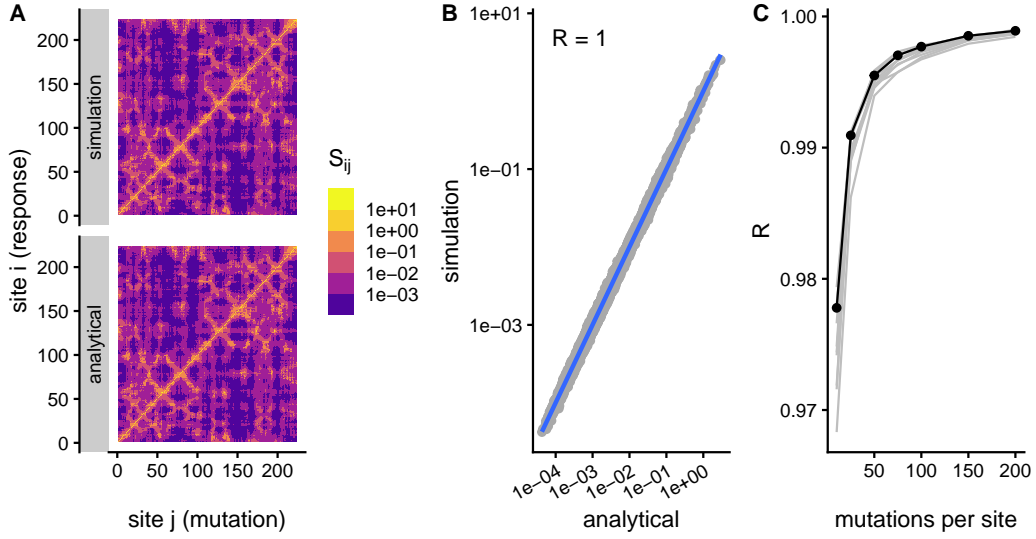
Influence and sensitivity profiles, d1mcta

A

B

R = 0.989

C

D

E

R = 0.998

F

16

Compensation matrix, d1mcta

A simulation / analytical — site i (first mutation) vs site j (second mutation), D_{ij} (10.0, 1.0, 0.1)

B R = 0.92 — simulation vs analytical

C R vs mutations per site

Compensation profiles, d1mcta

A D_j simulation / analytical vs site j (second mutation)

B R = 0.74 — simulation vs analytical

C R vs mutations per site

D D_i simulation / analytical vs site i (first−mutation)

E R = 0.64 — simulation vs analytical

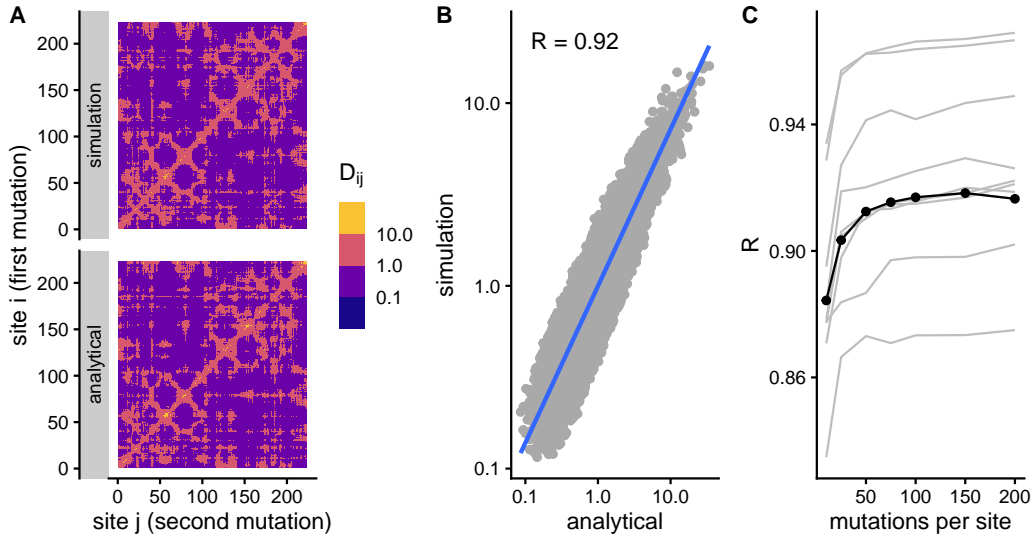**F** R vs mutations per site

17
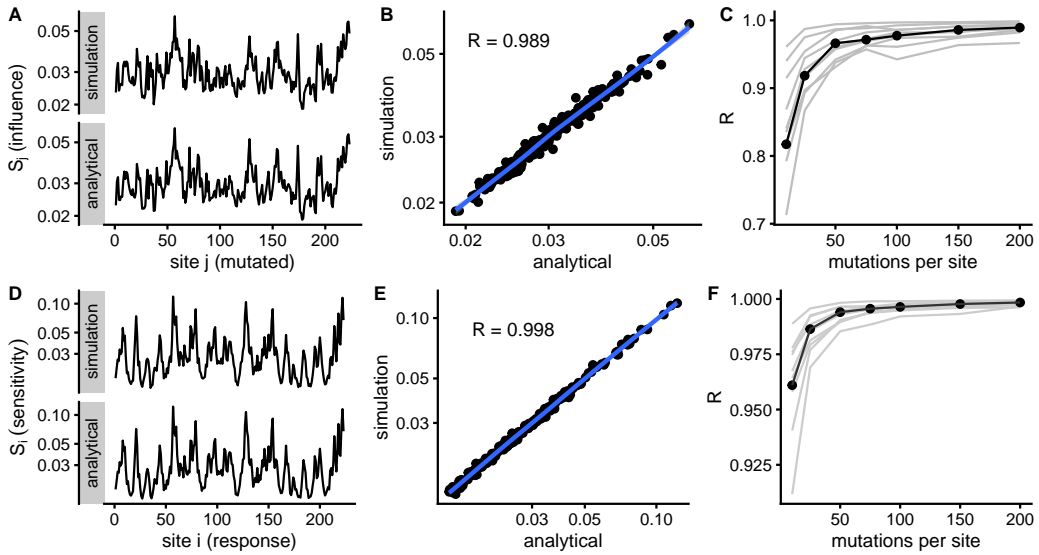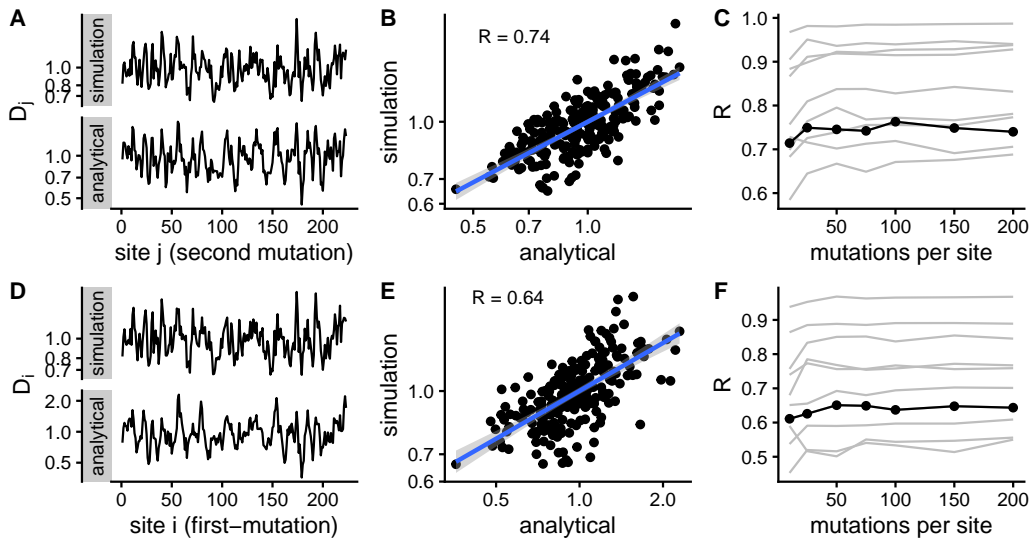
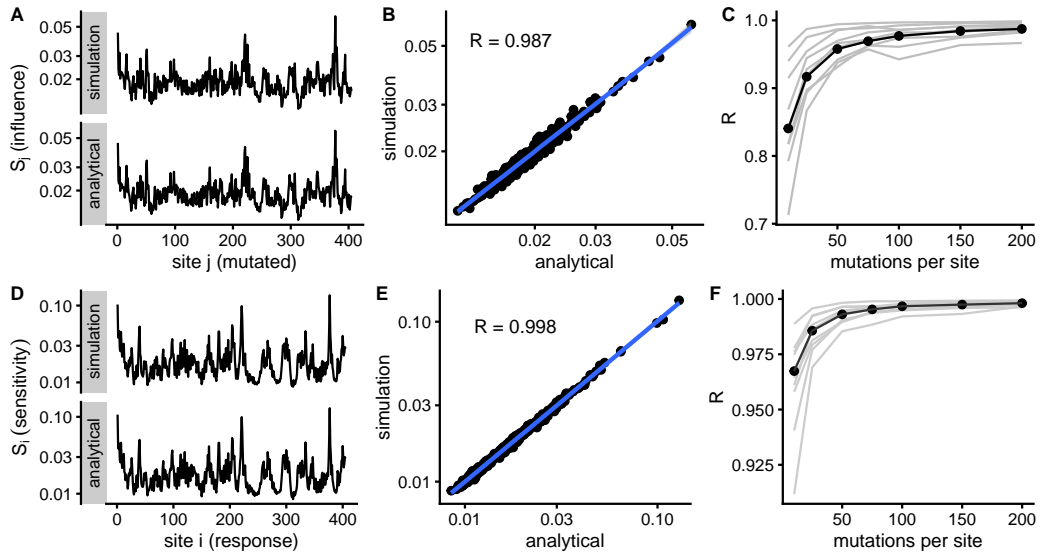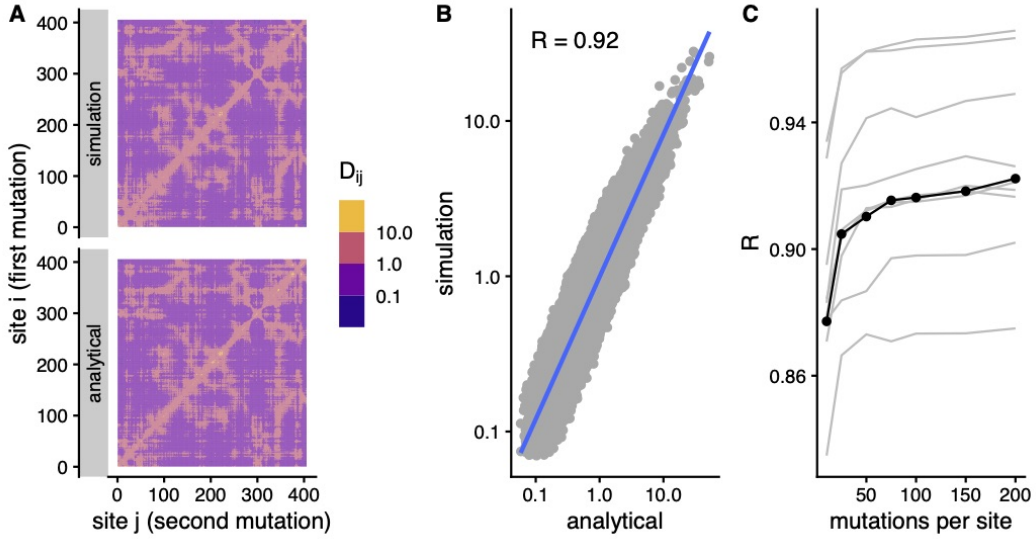## Sensitivity matrix, d2l8ma
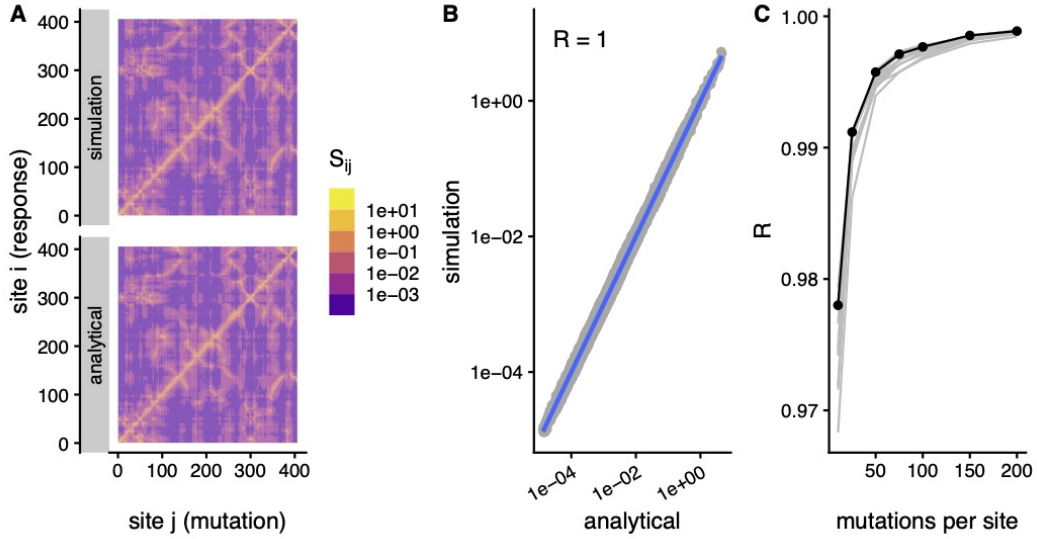
Influence and sensitivity profiles, d2l8ma

Compensation matrix, d2l8ma

Compensation profiles, d2l8ma