Gametic selection, meiotic drive, sex ratio bias, and transitions between sex determination systems

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Evolution 2017

"FOR MOTION DISCOMFORT

AND

BABY DIAPER DISPOSAL"

Please place in waste receptacle after use

<u>Not for toilet disposal</u>

<u>Do not place in seat back pocket after use</u>

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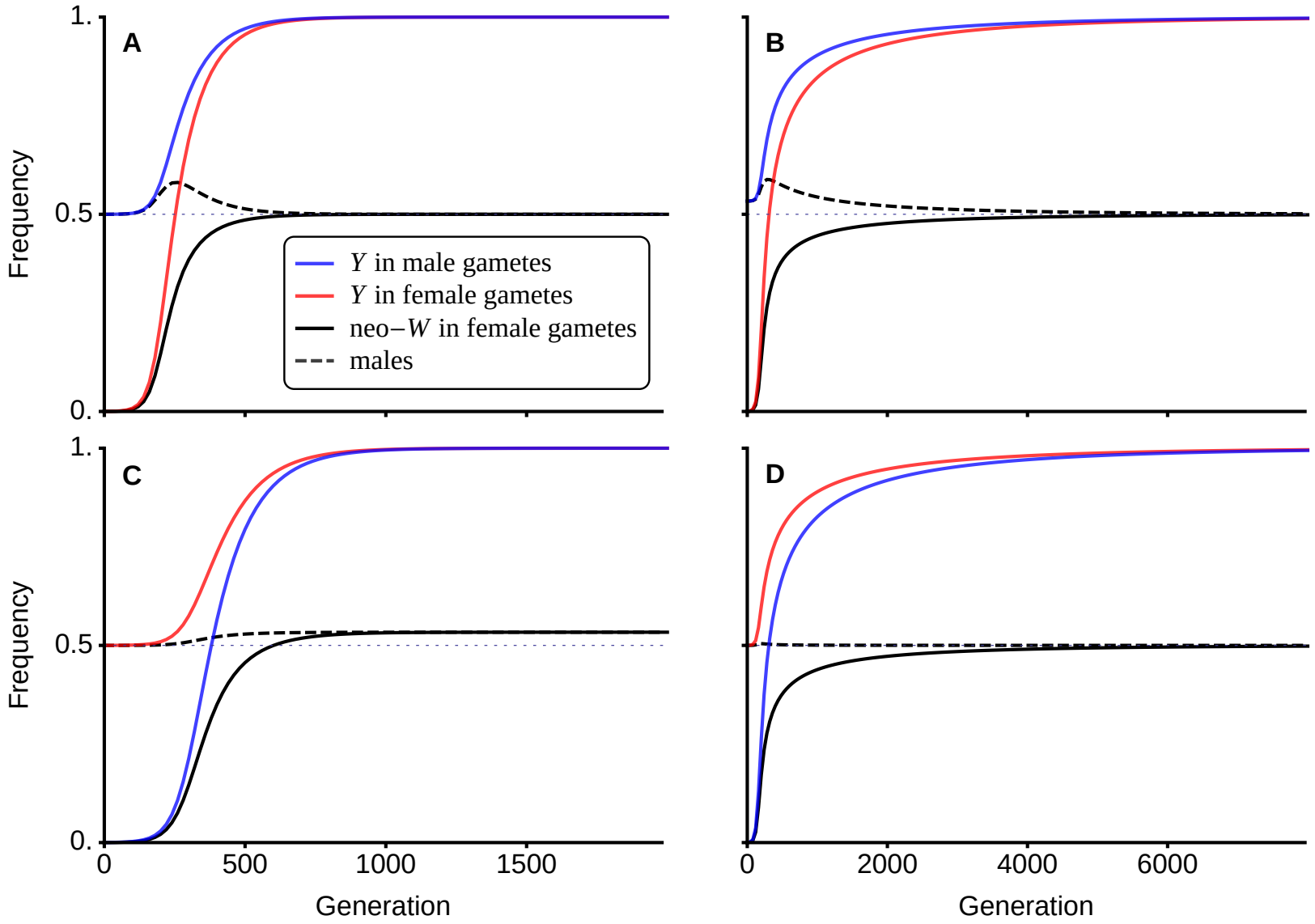
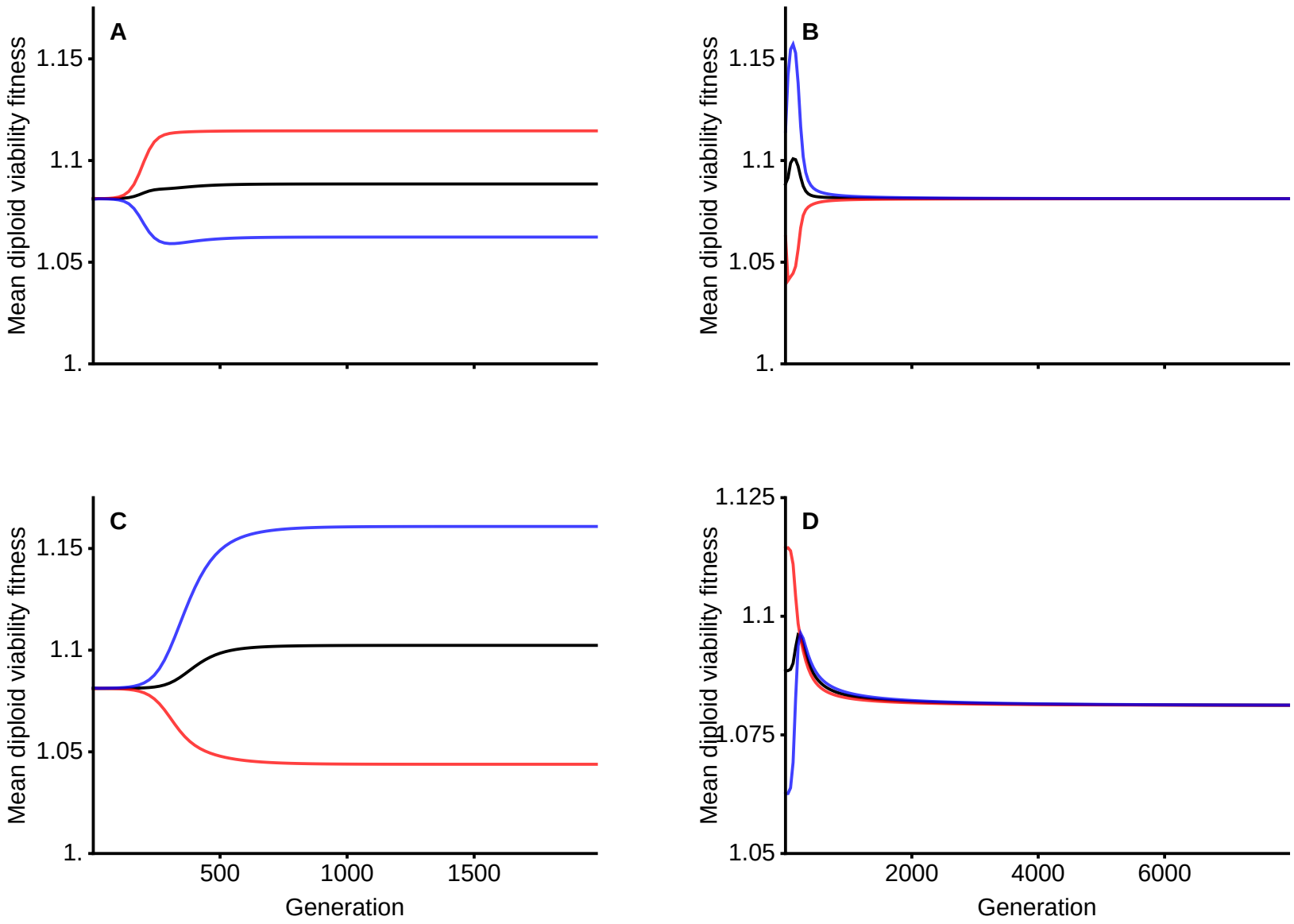
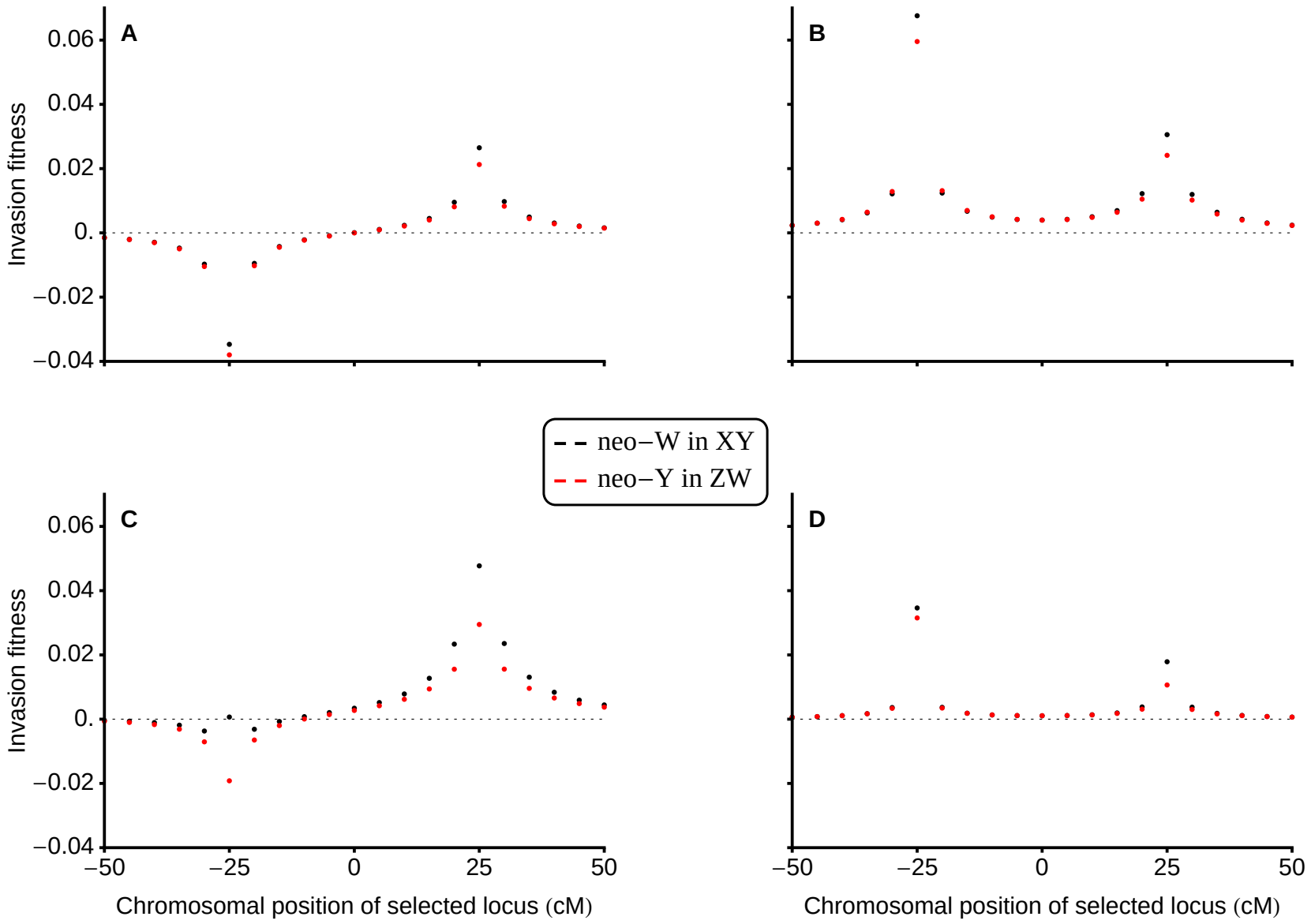

A
B
C
D
Frequency
Frequency
1.
0.5
0.
1.
0.5
0.
0
500
1000
1500
0
2000
4000
6000
Generation
Generation
Y in male gametes
Y in female gametes
neo−W in female gametes
males


A
B
C
D
Mean diploid viability fitness
1.15
1.1
1.05
1.
1.125
1.075
500
1000
1500
2000
4000
6000
Generation


A
B
C
D
Invasion fitness
0.06
0.04
0.02
0.
−0.02
−0.04
−50
−25
0
25
50
Chromosomal position of selected locus (cM)
neo−W in XY
neo−Y in ZW