

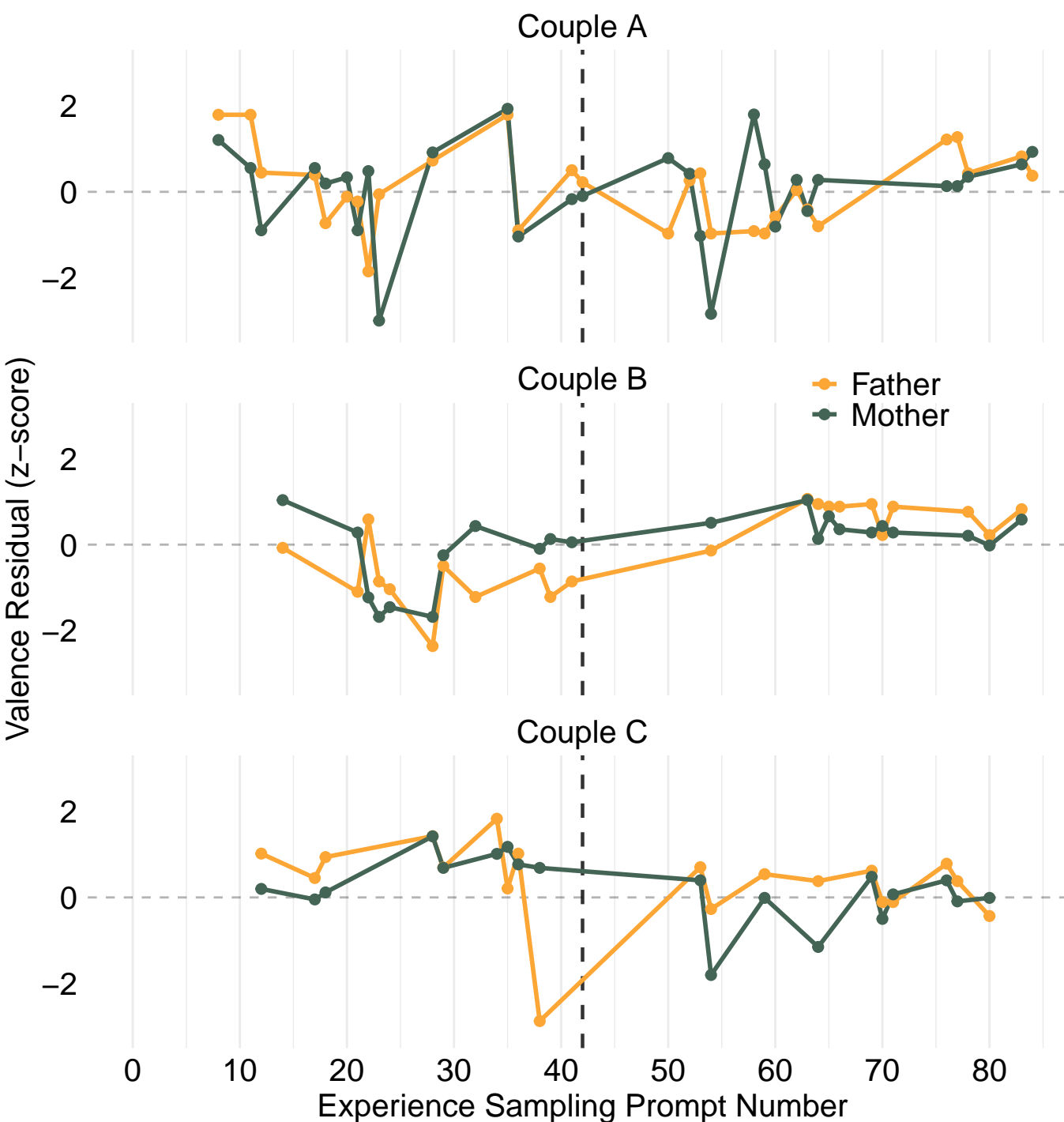
## A) Residual Valence Synchrony

Maternity Leave

$r = 0.22 [0.21, 0.23]$

Paternity Leave

$r = 0.18 [0.14, 0.20]$



## B) Population-Level Arousal Dependence

Maternity Leave

Paternity Leave

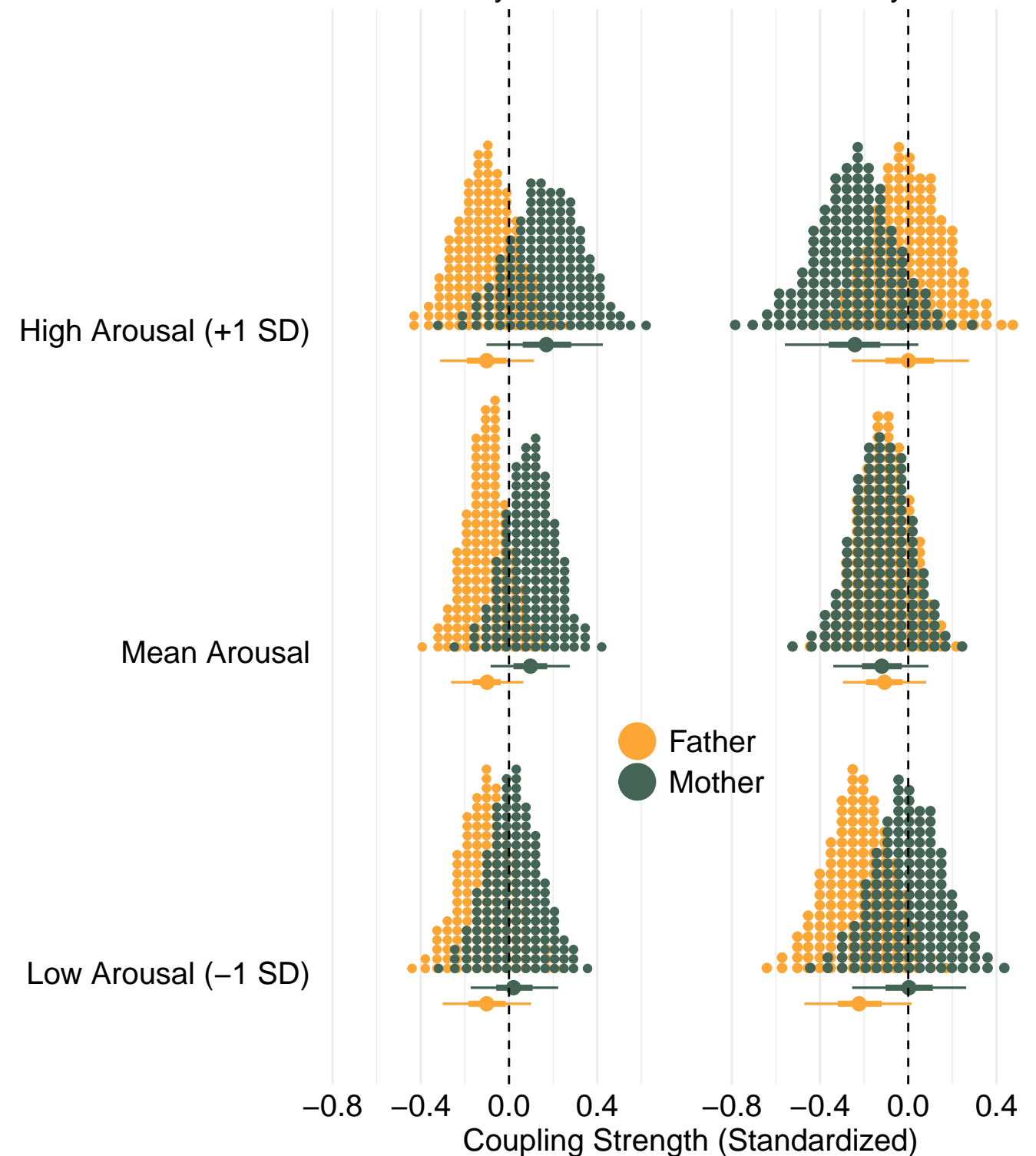
High Arousal (+1 SD)

Mean Arousal

Low Arousal (-1 SD)

Father  
Mother

Coupling Strength (Standardized)

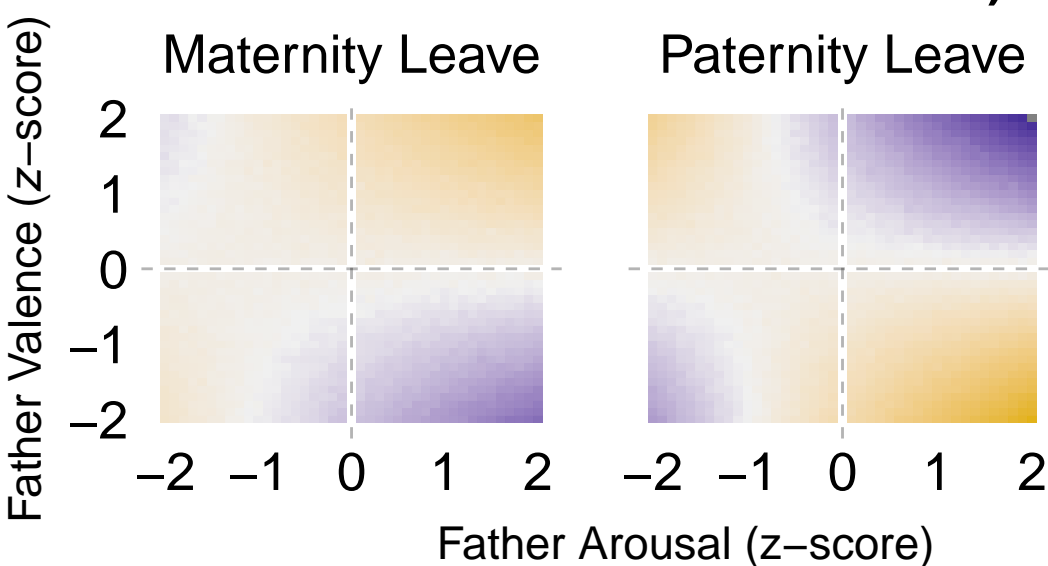


## C) State-Dependent Emotion Coupling

Maternity Leave

Paternity Leave

Mother  
Acceleration



Maternity Leave

Paternity Leave

Father  
Acceleration

