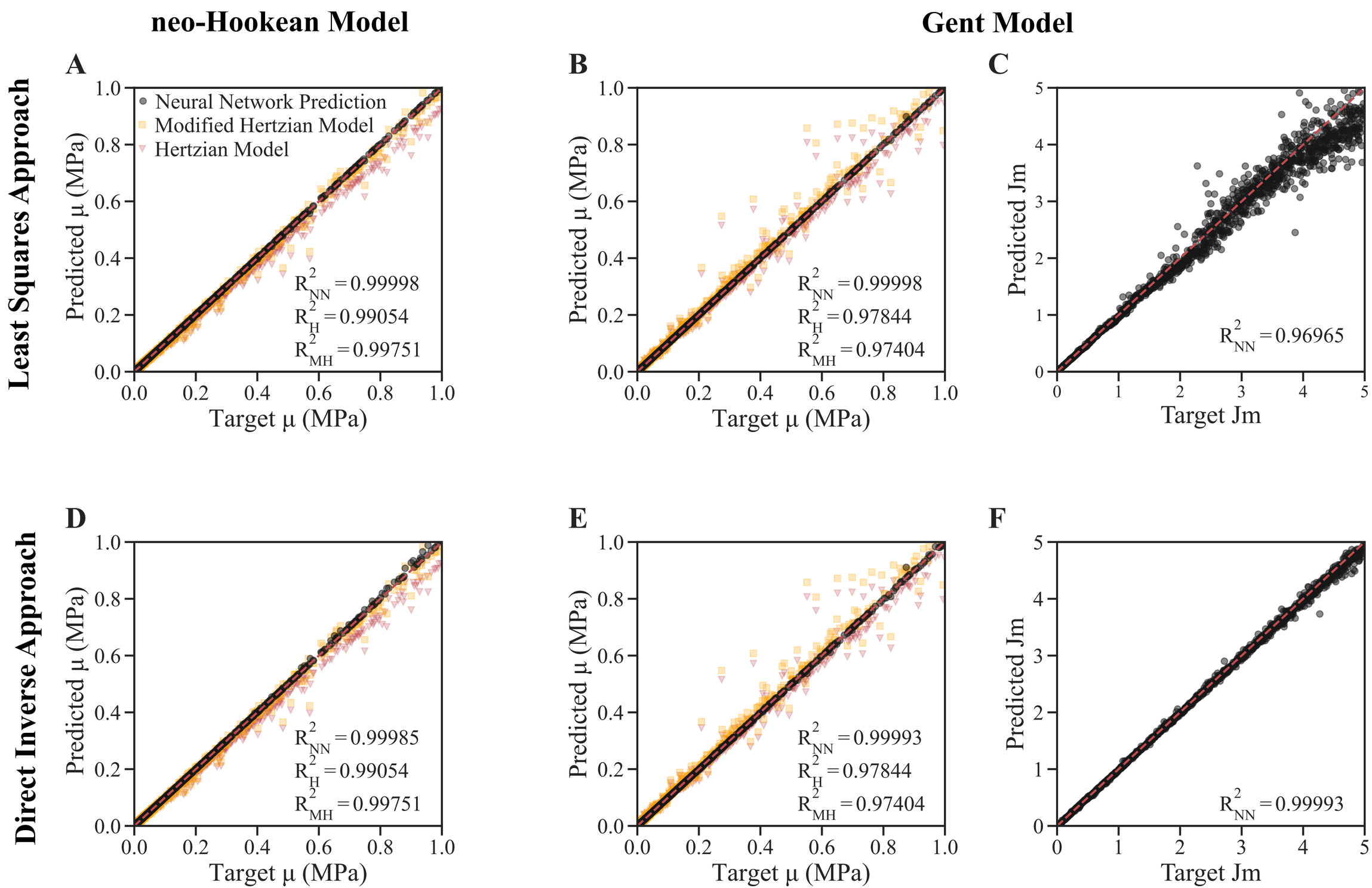
neo-Hookean Model
Gent Model
Least Squares Approach
Direct Inverse Approach
A
B
C
D
E
F
Neural Network Prediction
Modified Hertzian Model
Hertzian Model
Predicted μ (MPa)
Target μ (MPa)
Predicted Jm
Target Jm
$R^2_{NN} = 0.99998$
$R^2_{H} = 0.99054$
$R^2_{MH} = 0.99751$
$R^2_{NN} = 0.99998$
$R^2_{H} = 0.97844$
$R^2_{MH} = 0.97404$
$R^2_{NN} = 0.96965$
$R^2_{NN} = 0.99985$
$R^2_{H} = 0.99054$
$R^2_{MH} = 0.99751$
$R^2_{NN} = 0.99993$
$R^2_{H} = 0.97844$
$R^2_{MH} = 0.97404$
$R^2_{NN} = 0.99993$