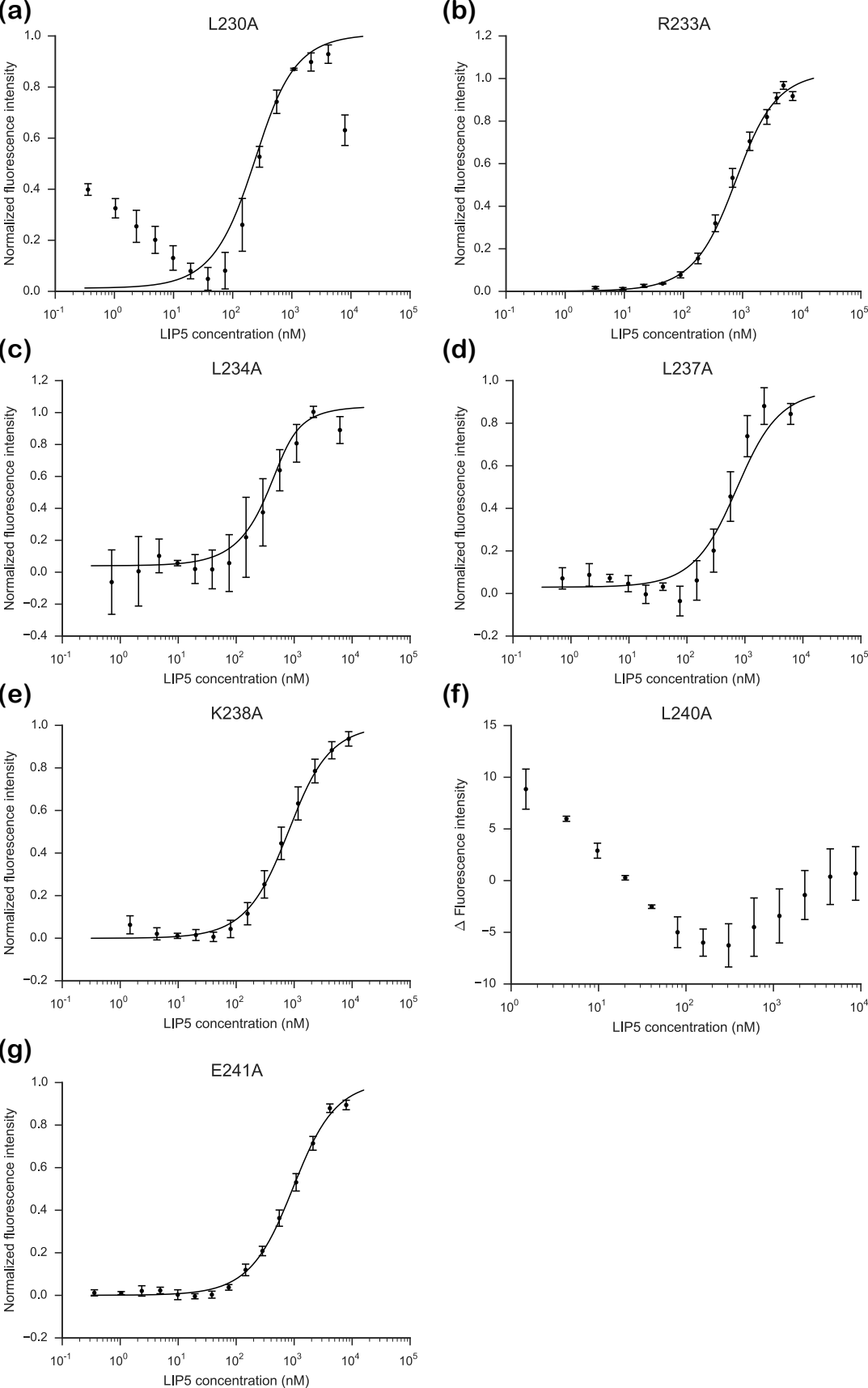

(a)
L230A
Normalized fluorescence intensity
LIP5 concentration (nM)
(b)
R233A
Normalized fluorescence intensity
LIP5 concentration (nM)
(c)
L234A
Normalized fluorescence intensity
LIP5 concentration (nM)
(d)
L237A
Normalized fluorescence intensity
LIP5 concentration (nM)
(e)
K238A
Normalized fluorescence intensity
LIP5 concentration (nM)
(f)
L240A
Δ Fluorescence intensity
LIP5 concentration (nM)
(g)
E241A
Normalized fluorescence intensity
LIP5 concentration (nM)