S7 Fig. Point-variant screening of nPEP-1 peptide “FKRYKRWGSG” at each of the 7 N-terminal positions with a substitution set of S, Y, E, L, W, Q, and R. 50 µM peptide was incubated with 500 µg/L β-Gal and 100 µM RBG in 10 mM potassium phosphate buffer with 0.1 mM MgCl₂ (pH 7.4), 25 °C.

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-1 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-2 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-3 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-4 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-5 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-6 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-7 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-8 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-9 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-10 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-11 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-12 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-13 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-14 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-15 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-16 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-17 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-18 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-19 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-20 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-21 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-22 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-23 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-24 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-25 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-26 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-27 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-28 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-29 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-30 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-31 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-32 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-33 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-34 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-35 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-36 (bottom).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-37 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-38 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-39 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-40 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-41 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-42 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-43 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-44 (bottom curves).
Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-45 (bottom curves).

Uninhibited β-Gal activity (top curves) and inhibited β-Gal with 50 µM nPEP-1-46 (bottom).