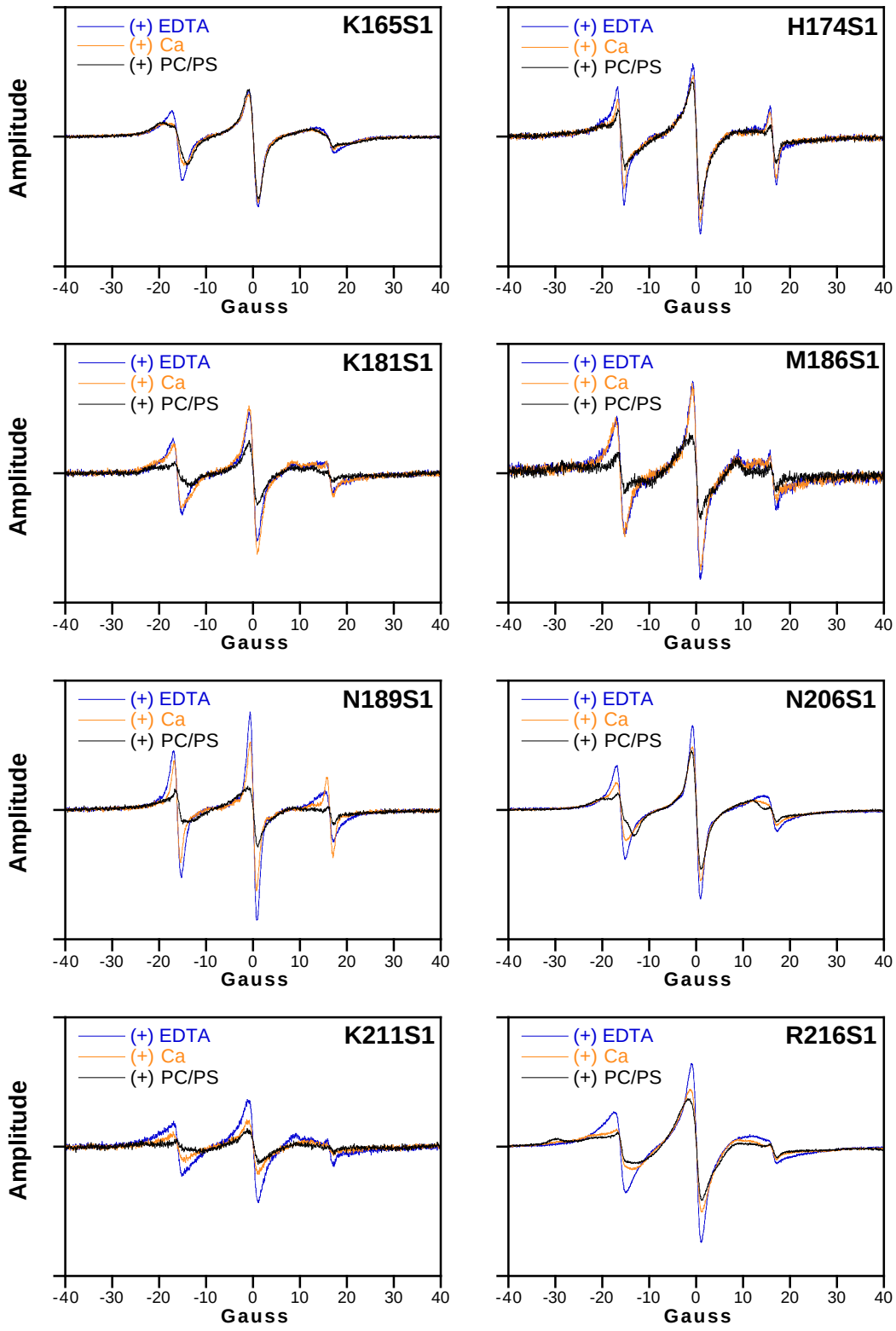

(+) EDTA
(+) Ca
(+) PC/PS
K165S1
H174S1
K181S1
M186S1
N189S1
N206S1
K211S1
R216S1
Amplitude
Gauss
-40 -30 -20 -10 0 10 20 30 40

Figure S.1

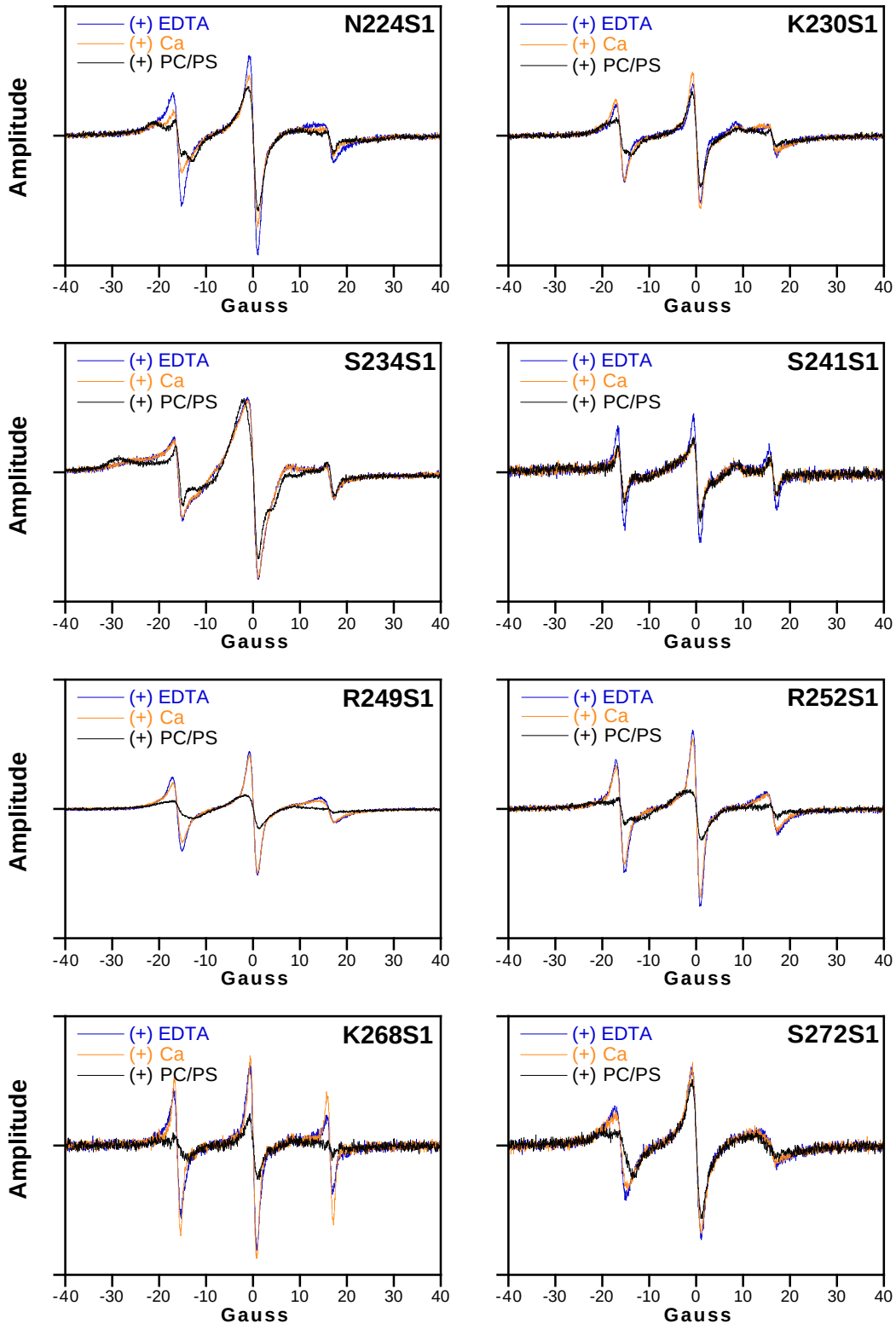


Figure S.1 (cont)

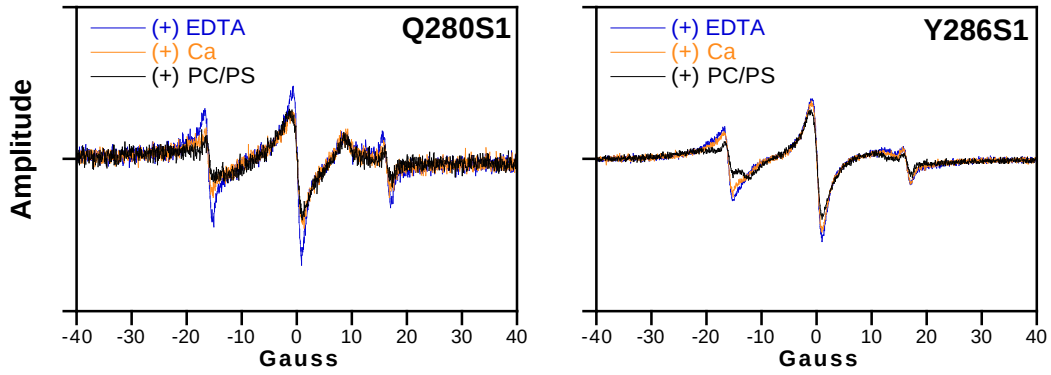


Figure S.1. Supporting Information. EPR spectra of the 18 spin-labeled (S1) mutants in the apo, Ca^{2+}-occupied and membrane-docked states. Spectra were taken in the presence of excess EDTA (3 mM, blue), or excess Ca^{2+} (3 mM, red) or excess Ca^{2+} (3 mM) plus PC/PS LUVs (36 mM total lipid, 3:1 mole ratio PC:PS, black). Experimental conditions: 25°C; 20 mM HEPES, pH 7.4, 100 mM KCl, 40-100 μM protein.