

Fig. S1. Representative raw EM micrographs of negatively stained integrins under three conditions. (A) $\alpha v\beta 3$ integrin, (B) $\alpha 5\beta 1$ integrin, (C) $\alpha 3\beta 1$ integrin, (D) $\alpha 6\beta 1$ integrin, (E) $\alpha 6\beta 4$ integrin, and (F) $\alpha 2\beta 1$ integrin. Large rod-like objects in A, B and F are tobacco mosaic virus. Bars, 50 nm.

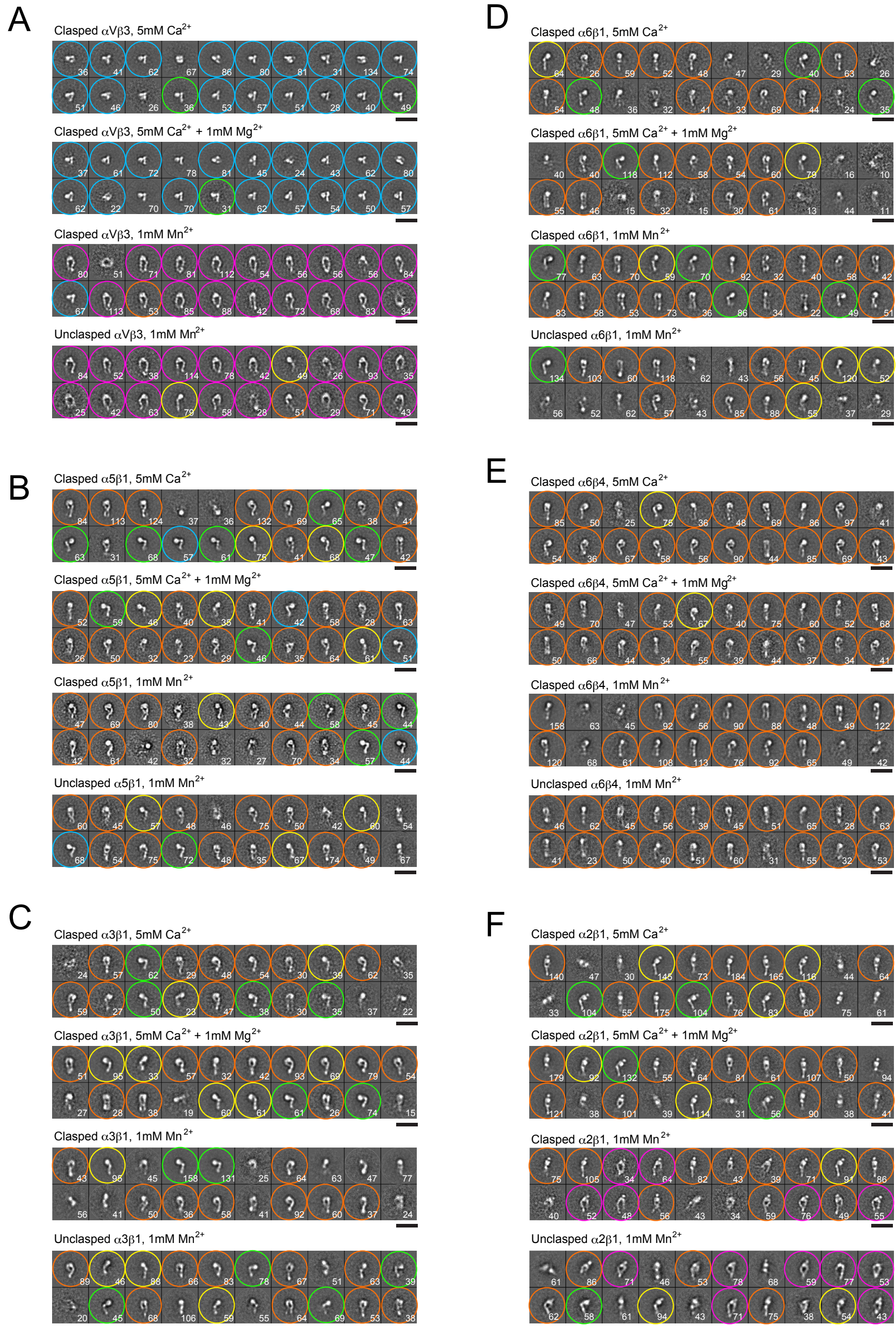


Fig. S2. A gallery of 20 class averages of $\alpha V\beta 3$ (A), $\alpha 5\beta 1$ (B), $\alpha 3\beta 1$ (C), $\alpha 6\beta 1$ (D), $\alpha 6\beta 4$ (E), and $\alpha 2\beta 1$ (F) integrins obtained from ~1,000 picked particles under each condition. The number of individual particles represented by each class average is shown at the bottom right corner. Each class average is categorized into 5 groups according to its shape and marked by a color-coded circle as described in the legend to Fig. 3. Classes with poor image resolution or ambiguous shape were not grouped. Bar: 25 nm.