**Figure 2—source data 1 – Quantification of A–P crosslinking efficiency**

Values are relative fluorescent units (RFUs) calculated from the area under the curve of each species band on a Coomassie-stained SDS-PAGE gel. The volume of samples (3 or 5 µL) loaded in each lane is indicated and used to generate two standard curves for each sample load volume. No RFUs were recorded for the E613CClpA‡ samples containing only uncrosslinked ClpA that were used for the standard curves (represented by N/A). Concentrations of ClpA were calculated from the standard curve with matching sample load volumes.

|  |  |  |
| --- | --- | --- |
| **Sample** | RFUs A**–**P band | RFUs E613CClpA‡ band |
| 3 µL load, 11.4 µM E613CClpA‡ | N/A | 381542.6 |
| 3 µL load, 5.57 µM E613CClpA‡ | N/A | 188451.7 |
| 3 µL load, 2.84 µM E613CClpA‡ | N/A | 97512.08 |
| 3 µL load, 1.22 µM E613CClpA‡ | N/A | 50215.5 |
| 3 µL load, 0.61 µM E613CClpA‡ | N/A | 30570.5 |
| 3 µL load, undiluted A**–**P pool | 129781.5 | 23502.5 |
| 3 µL load, 2-fold diluted A**–**P pool | 65359 | 11884.78 |
| 5 µL load, 11.4 µM E613CClpA‡ | N/A | 699406 |
| 5 µL load, 5.57 µM E613CClpA‡ | N/A | 322593 |
| 5 µL load, 2.84 µM E613CClpA‡ | N/A | 177321 |
| 5 µL load, 1.22 µM E613CClpA‡ | N/A | 86503.78 |
| 5 µL load, 0.61 µM E613CClpA‡ | N/A | 43850 |
| 5 µL load, undiluted A**–**P pool | 190351 | 28275.5 |
| 5 µL load, 2-fold diluted A**–**P pool | 97501 | 19058 |