|  |  |  |  |
| --- | --- | --- | --- |
| Variant | Protein [µM] (±10%) | Spin [µM] (±10%) | Labelling efficiency [%]  (±15%) |
| B\_M134C | 60 | 125 | 104 |
| F\_A45C – G\_I335C | 37 | 72 | 113 |
| F\_L325C – G\_A52C | 37 | 69 | 93 |
| F\_S186C – G\_V209C | 31 | 70 | 113 |
| F\_S156C – F\_I234C | 70 | 130 | 93 |
| F\_S186C – F\_I234C | 31 | 61 | 98 |
| G\_L152C – G\_V209C | 46 | 87 | 95 |
| G\_V209C – G\_L234C | 34 | 64 | 94 |
| F\_A45C – G\_I335C + LptC | 29 | 58 | 100 |
| F\_L325C – G\_A52C + LptC | 31 | 62 | 100 |

**Figure 2-source data 1. Spin labelling efficiency for the investigated cysteine variants.** A 10% error is estimated for the protein and spin concentrations.