Table S5: Kinetics Parameters determined by the SPR analysis

| Name               | $k_a$ (1/Ms) | $k_d$ (1/s) | $K_D$ (M)     | U-value |
|--------------------|--------------|-------------|---------------|---------|
| His-GST            | N/A          | N/A         | N/A           | N/A     |
| R1-6               | $3.2 \times 10^4$ | $1.0 \times 10^3$ | $3.3 \times 10^{-8}$ | 2       |
| R1-2               | $4.4 \times 10^5$ | $7.1 \times 10^3$ | $1.6 \times 10^{-8}$ | 15      |
| R2                 | $3.1 \times 10^4$ | $1.0 \times 10^3$ | $3.4 \times 10^{-8}$ | 2       |
| R3-5               | N/A          | N/A         | N/A           | N/A     |
| R6                 | N/A          | N/A         | N/A           | N/A     |
| R1-6 (C351Y)       | $3.7 \times 10^4$ | $9.7 \times 10^{-4}$ | $2.6 \times 10^{-8}$ | 3       |