

Table 5. Stopped-flow data of T168C/W199F during holoenzyme assembly

| State | F_{AD}^{290} | F_A^{290} | F_A^{390} | $I_{AD} + X$ | $I_A + X$ | I_A | X | I_{AD} | I_{AD}/I_A | E_T |
|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| A | 1.000 | 1.000 | 1.000 | 1.508 | 1.000 | 1.000 | 0.000 | 0.508 | 1.508 | 0.414 |
| B | 1.000 | 1.000 | 1.000 | 1.508 | 1.000 | 1.000 | 0.000 | 0.508 | 1.508 | 0.414 |
| C | 1.080 ± 0.001 | 1.101 ± 0.001 | 1.043 ± 0.001 | 1.629 ± 0.002 | 1.101 ± 0.002 | 1.043 ± 0.002 | 0.058 ± 0.003 | 1.571 ± 0.004 | 1.506 ± 0.005 | 0.412 ± 0.001 |
| D | 1.091 ± 0.001 | 1.142 ± 0.001 | 1.044 ± 0.001 | 1.777 ± 0.003 | 1.257 ± 0.003 | 1.089 ± 0.002 | 0.168 ± 0.004 | 1.608 ± 0.005 | 1.477 ± 0.005 | 0.389 ± 0.001 |
| E | 1.091 ± 0.001 | 1.142 ± 0.001 | 1.044 ± 0.001 | 1.777 ± 0.003 | 1.257 ± 0.003 | 1.089 ± 0.002 | 0.168 ± 0.004 | 1.608 ± 0.005 | 1.477 ± 0.005 | 0.389 ± 0.001 |
| F | 1.046 ± 0.003 | 1.053 ± 0.001 | 1.028 ± 0.001 | 1.859 ± 0.006 | 1.325 ± 0.003 | 1.119 ± 0.002 | 0.205 ± 0.004 | 1.654 ± 0.007 | 1.478 ± 0.007 | 0.389 ± 0.002 |
| G | 1.038 ± 0.003 | 1.005 ± 0.001 | 1.011 ± 0.001 | 1.929 ± 0.008 | 1.331 ± 0.003 | 1.132 ± 0.002 | 0.199 ± 0.004 | 1.730 ± 0.009 | 1.529 ± 0.008 | 0.431 ± 0.002 |
| H | 1.064 ± 0.003 | 1.009 ± 0.001 | 0.998 ± 0.001 | 2.053 ± 0.010 | 1.343 ± 0.003 | 1.129 ± 0.002 | 0.213 ± 0.004 | 1.840 ± 0.011 | 1.629 ± 0.010 | 0.512 ± 0.003 |
| I | 1.064 ± 0.003 | 1.009 ± 0.001 | 0.998 ± 0.001 | 2.053 ± 0.010 | 1.343 ± 0.003 | 1.129 ± 0.002 | 0.213 ± 0.004 | 1.840 ± 0.011 | 1.629 ± 0.010 | 0.512 ± 0.003 |
| J | 1.058 ± 0.001 | 1.045 ± 0.001 | 1.019 ± 0.001 | 2.145 ± 0.011 | 1.403 ± 0.003 | 1.151 ± 0.002 | 0.252 ± 0.004 | 1.893 ± 0.012 | 1.645 ± 0.011 | 0.525 ± 0.003 |
| K | 1.079 ± 0.001 | 1.119 ± 0.001 | 1.020 ± 0.001 | 2.400 ± 0.013 | 1.570 ± 0.004 | 1.174 ± 0.002 | 0.396 ± 0.004 | 2.004 ± 0.014 | 1.707 ± 0.012 | 0.576 ± 0.003 |

See ref. 1 for explanation of terms and calculations.

Reference:

1. Alley, S. C., Abel-Santos, E. & Benkovic, S. J. (2000) *Biochemistry* **39**, 3076-3090.