| Mutant | CFE $\Delta T_m^{\text{app}}$ (°C) | Purified enzyme $\Delta T_m^{\text{app}}$ (°C) |
|--------|----------------------------------|-----------------------------------------------|
| I73V   | 3.5                              | 4.1                                           |
| H74Y   | 2.9                              | 2.9                                           |
| G158S  | 1.3                              | 0.9                                           |
| H185Y  | 0.8                              | 0.6                                           |
| Q187E  | 5.0                              | 2.6                                           |
| S340T  | 0.4                              | 0.9                                           |
| G356H  | 2.4                              | 3.9                                           |
| S365T  | 1.5                              | 0.9                                           |
| V367L  | 2.0                              | 1.4                                           |
| G404D  | 1.8                              | 0.6                                           |
| G404Y  | 1.4                              | 1.1                                           |
| K407I  | 1.4                              | 0.6                                           |
| A419M  | 1.8                              | 1.1                                           |
| A419Y  | 1.8                              | 1.6                                           |
| A435E  | 2.1                              | 1.9                                           |
| T414K  | 2.0                              | 1.4                                           |
| G311A  | 1.6                              | 1.1                                           |