### Fit scenario (see Fig. S5)

| Scenario | $1/\tau$ [bp] | $\lambda$ | $\Delta r_{-1}$ [bp] | $\Delta r_{+1}$ [bp] | $\delta$ |
|----------|----------------|-----------|-----------------------|----------------------|--------|
| A        | 187            | 14.6      | -6                    | -8                   | 1.6e-4 |
| B        | 182            | 14.2      | -2                    | -179                 | 2.1e-4 |
| C        | 180            | 14.1      | -174                  | -3                   | 1.1e-4 |
| D        | 177            | 13.8      | -168                  | -170                 | 1.3e-4 |