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K- 443-m1

Table S1: ^{15}N and ^1H Resonance Assignments for CheA₁₋₂₃₃ at pH 6.3 and 30 °C^a

| residue | amide N | amide H | αH | others |
|---------|---------|---------|------------------|------------------|
| M1 | | | | |
| S2 | | | | |
| M3 | | | | |
| D4 | 123.3 | 8.55 | | 2.64, 2.74 |
| I5 | 122.2 | 8.16 | 4.24 | 1.95, 1.26, 0.94 |
| S6 | 122.2 | 8.27 | 4.47 | 3.88 |
| D7 | 122.9 | 8.25 | 4.58 | 2.62 |
| F8 | 120.3 | 7.98 | 4.55 | 3.11 |
| Y9 | 119.3 | 7.73 | 3.76 | 2.86, 2.63 |
| Q10 | 118.6 | 7.95 | 4.02 | 2.52, 2.19 |
| T11 | 113.1 | 7.91 | 4.28 | 4.16, 1.33 |
| F12 | 122.7 | 7.54 | 4.50 | 3.21, 2.53 |
| F13 | 119.1 | 8.30 | | |
| D14 | 118.5 | 8.28 | 4.38 | 2.78 |
| E15 | 122.2 | 8.06 | 4.05 | 2.42, 2.19, 2.06 |
| A16 | 123.0 | 9.20 | 3.82 | 0.92 |
| D17 | 118.9 | 8.31 | | |
| E18 | 121.1 | 7.45 | 4.13 | 2.47, 2.21 |
| L19 | 122.5 | 8.69 | 4.20 | 1.97, 0.96 |
| L20 | 121.5 | 8.92 | 4.08 | 2.05, 0.94 |
| A21 | 123.1 | 7.63 | 4.24 | 1.51 |
| D22 | 121.5 | 8.33 | 4.42 | 2.85 |
| M23 | 121.1 | 8.93 | 3.95 | 2.40 |
| E24 | 119.3 | 8.20 | 3.77 | 2.35, 1.96 |
| Q25 | 116.2 | 7.93 | 3.91 | 2.40, 2.09 |
| H26 | 114.8 | 7.87 | 4.42 | 3.05 |
| L27 | 120.9 | 8.54 | 3.97 | |
| L28 | 115.8 | 7.91 | 4.14 | 1.88, 1.49, 0.89 |
| V29 | 109.7 | 7.08 | 4.51 | 2.42, 0.95 |
| L30 | 125.4 | 7.20 | 4.19 | 1.78, 1.55 |
| Q31 | 126.7 | 8.90 | 4.79 | 2.43, 2.04, 2.15 |
| P32 | | | | |
| E33 | 114.4 | 8.83 | 4.21 | 2.29, 2.02 |
| A34 | 122.0 | 7.45 | | 1.23 |
| P35 | | | | |
| D36 | 125.8 | 8.19 | | |
| A37 | 130.8 | 8.99 | 3.96 | 1.49 |
| E38 | 118.0 | 8.40 | 4.24 | 2.35, 2.13 |
| Q39 | 121.1 | 8.13 | 4.01 | 2.56 |
| L40 | 118.0 | 7.99 | 4.01 | 1.86, 1.35, 0.81 |
| N41 | 118.4 | 8.58 | 4.43 | 2.96, 2.77 |
| A42 | 123.5 | 7.90 | 4.03 | 1.04 |
| I43 | 120.8 | 7.85 | 3.59 | 1.84, 0.86 |
| F44 | 120.2 | 8.44 | 3.84 | 3.29, 2.84 |
| R45 | 119.2 | 8.86 | 3.79 | 3.25, 1.96, 1.62 |
| A46 | 122.3 | 7.57 | 4.20 | 1.57 |
| A47 | 120.1 | 7.96 | 3.74 | 1.22 |
| H48 | 116.9 | 8.92 | 4.24 | 2.95, 2.36 |
| S49 | 117.5 | 8.36 | 4.24, 4.12 | 3.92 |
| I50 | 124.6 | 8.19 | 3.83 | 1.94, 1.03, 0.78 |
| K51 | 121.7 | 8.54 | 3.71 | |
| G52 | 105.6 | 7.83 | 3.85, 3.62 | |

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| | | | | |
|------|-------|------|------------|------------------------|
| G53 | 110.9 | 7.94 | 3.59 | |
| A54 | 123.3 | 8.89 | 3.79 | 1.54 |
| G55 | 103.7 | 8.06 | 3.81, 3.65 | |
| T56 | 120.6 | 7.60 | 3.55 | 0.37 |
| F57 | 116.5 | 6.90 | 4.22 | 2.32, 1.19 |
| G58 | 107.3 | 7.21 | 3.94, 3.77 | |
| F59 | 122.4 | 8.13 | 4.85 | 2.74 |
| S60 | 119.8 | 8.05 | 4.09 | 3.90 |
| V61 | 122.1 | 7.92 | 3.37 | 1.75, 0.57, 0.19 |
| L62 | 122.5 | 6.79 | 4.94 | 1.97 |
| Q63 | 122.9 | 8.65 | 3.67 | |
| E64 | 119.2 | 8.39 | 4.39 | 2.52, 2.27 |
| T65 | 117.1 | 8.17 | | |
| T66 | 113.3 | 8.22 | 3.85 | 4.07, 1.35 |
| H67 | 122.9 | 8.63 | 4.30 | |
| L68 | 118.5 | 7.90 | 3.95 | 2.05, 0.83 |
| M69 | 119.5 | 7.81 | 4.00 | |
| E70 | 121.6 | 9.40 | 3.74 | 2.25 |
| N71 | 117.8 | 8.04 | 4.55 | 2.82 |
| L72 | 120.1 | 7.32 | 4.22 | 2.14, 1.98, 1.56, 1.12 |
| L73 | 120.1 | 8.59 | 3.97 | 2.20 |
| D74 | 120.6 | 8.83 | 4.27 | 2.86 |
| E75 | 117.7 | 7.67 | 3.94 | 2.56, 2.34 |
| A76 | 121.6 | 8.40 | 4.49 | 1.56 |
| R77 | 120.8 | 8.88 | 4.08 | 2.01, 1.65, 1.54 |
| R78 | 117.7 | 7.64 | 4.33 | 2.00, 1.72, 1.58 |
| G79 | 107.9 | 7.83 | 4.17, 3.89 | |
| E80 | 118.4 | 8.02 | | |
| M81 | 117.1 | 7.01 | 4.56 | 2.35, 2.24, 1.90, 1.62 |
| Q82 | 126.4 | 8.66 | 4.37 | 2.39, 2.08, 1.93 |
| L83 | 122.4 | 8.90 | 4.37 | 22.07, 1.14, 0.80 |
| N84 | 112.6 | 6.71 | | 3.59, 3.24 |
| T85 | 114.8 | 8.78 | | |
| D86 | 122.7 | 7.97 | 4.43 | 2.73, 2.56 |
| I87 | 122.7 | 8.37 | 3.38 | 2.01, 1.35, 0.91, 0.25 |
| I88 | 120.3 | 7.79 | 3.53 | 1.98, 1.86, 1.05, 0.74 |
| N89 | 118.8 | 8.44 | | 3.00, 2.89 |
| L90 | 124.8 | 8.01 | 4.42 | 1.86, 1.61, 0.85 |
| F91 | 123.8 | 8.88 | 3.71 | 3.11 |
| L92 | 123.3 | 8.74 | 4.05 | 0.94 |
| E93 | 121.8 | 8.46 | 4.18 | 2.32 |
| T94 | 118.0 | 8.66 | 3.79 | |
| K95 | 124.3 | 8.34 | 4.07 | |
| D96 | 121.6 | 8.09 | | |
| I97 | 124.0 | 8.42 | 3.87 | 1.00 |
| M98 | 122.7 | 9.20 | | |
| Q99 | 119.4 | 8.40 | 3.88 | 2.47 |
| E100 | 119.9 | 7.87 | 4.08 | 2.30, 2.09 |
| Q101 | 122.3 | 8.63 | | |
| L102 | 119.9 | 8.60 | | |
| D103 | 118.5 | 8.61 | 4.11 | 2.73, 2.52 |
| A104 | 124.7 | 7.70 | 3.96 | 0.97 |
| Y105 | 119.4 | 7.87 | 4.37 | 2.65, 2.61 |
| K106 | 121.1 | 8.40 | 3.35 | 1.52 |
| Q107 | 116.2 | 7.28 | 4.48 | 2.34, 1.81 |
| S108 | 113.6 | 8.17 | 4.18 | |

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| | | | | |
|------|-------|------|------|------------------------|
| Q109 | 118.4 | 8.18 | 4.58 | 2.27, 1.98, 1.65 |
| E110 | 120.9 | 8.29 | 4.50 | 2.32, 1.98, 1.85 |
| P111 | | | | |
| D112 | 122.4 | 8.80 | 4.41 | 2.71 |
| A113 | 133.2 | 8.87 | 4.20 | 1.55 |
| A114 | 121.9 | 8.35 | | |
| S115 | 116.5 | 8.38 | 4.39 | 3.87? |
| F116 | 123.1 | 7.31 | 4.49 | 3.16 |
| D117 | 121.1 | 8.43 | 4.09 | 2.74, 2.65 |
| Y118 | 118.9 | 8.03 | | |
| I119 | 122.5 | 8.34 | | |
| C120 | 121.4 | 8.13 | 4.00 | |
| Q121 | 118.6 | 7.68 | 3.95 | 2.45, 2.32, 2.00 |
| A122 | 122.9 | 7.81 | 3.98 | 1.18 |
| L123 | 118.5 | 8.54 | 4.05 | |
| R124 | 120.2 | 8.37 | | |
| Q125 | 119.5 | 8.12 | 3.99 | 2.41, 2.16, 2.07 |
| L126 | 119.6 | 7.61 | 4.15 | 1.67 |
| A127 | 120.6 | 7.57 | 4.10 | 1.47 |
| L128 | 119.0 | 7.75 | 4.13 | 1.80, 1.57, 0.80 |
| E129 | 120.6 | 8.17 | 4.14 | 2.06 |
| A130 | 123.2 | 8.24 | | |
| K131 | 117.7 | 7.71 | 4.39 | 1.96, 1.83, 1.67, 1.51 |
| G132 | 109.5 | 8.06 | 3.99 | |
| E133 | 120.7 | 8.15 | 4.38 | 2.21, 2.04, 1.87 |
| T134 | 117.7 | 8.22 | 4.16 | 4.60, 1.19 |
| P135 | | | | |
| S136 | | | | |
| A137 | 126.4 | 8.33 | 4.43 | 1.42 |
| V138 | 118.9 | 8.03 | 4.14 | 2.10, 0.94 |
| T139 | 118.3 | 8.12 | 4.28 | 1.20 |
| R140 | 124.1 | 8.29 | 4.36 | 3.20, 1.80, 1.62 |
| L141 | 123.6 | 8.23 | 4.37 | 1.60, 1.49, 0.90 |
| S142 | 117.4 | 8.28 | 3.89 | 4.48 |
| V143 | 122.3 | 8.06 | 4.20 | 2.09, 0.91 |
| V144 | 124.1 | 8.09 | 4.12 | 2.05, 0.94 |
| A145 | 128.8 | 8.32 | 4.36 | 1.37 |
| K146 | 121.7 | 8.27 | 4.38 | 3.01, 1.76, 1.43 |
| S147 | 118.1 | 8.31 | 3.85 | 4.49 |
| E148 | 124.6 | 8.40 | 4.66 | 2.29, 2.06, 1.89 |
| P149 | | | | |
| Q150 | 120.9 | 8.53 | 4.36 | 2.39, 2.13, 1.99 |
| D151 | 122.0 | 8.32 | 4.62 | 2.72 |
| E152 | 122.1 | 8.45 | 4.24 | 2.28, 2.09, 1.98 |
| Q153 | 120.8 | 8.40 | 4.31 | 2.38, 2.13, 2.05 |
| S154 | | | | |
| R155 | 123.2 | 8.20 | 4.39 | 3.21, 1.81, 1.64, 1.48 |
| S156 | | | | |
| Q157 | 122.9 | 8.34 | 4.46 | 2.36, 2.11, 1.94 |
| S158 | 119.2 | 8.33 | 3.83 | 4.48 |
| P159 | | | | |
| R160 | 118.9 | 8.33 | 5.04 | 2.02, 1.81, 1.73 |
| R161 | 124.1 | 9.26 | 5.33 | 1.75, 1.52, 1.33 |
| I162 | 126.6 | 9.26 | 4.91 | 1.51, 0.83 |
| I163 | 126.6 | 8.70 | 4.60 | 1.55, 0.69 |
| L164 | 129.3 | 9.35 | 5.52 | 2.02, 1.56, 1.20, 0.80 |

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| | | | | |
|------|-------|------|------|------------------------------|
| S165 | 116.9 | 8.58 | 4.98 | 3.80, 3.70 |
| R166 | 116.9 | 8.98 | 3.89 | 1.91, 1.57 |
| L167 | 117.7 | 8.37 | 4.29 | 1.43, 1.18, 0.63 |
| K168 | 123.1 | 8.93 | 4.39 | 2.02, 1.49 |
| A169 | 125.1 | 8.51 | 4.21 | 1.47 |
| G170 | 110.4 | 8.75 | 3.98 | 4.21 |
| E171 | 120.0 | 8.21 | 4.13 | 2.40, 2.22, 2.11, 1.87 |
| V172 | 119.9 | 7.85 | 3.42 | 2.11, 0.95 |
| D173 | 117.5 | 7.81 | 4.42 | 2.74, 2.55 |
| L174 | 121.8 | 7.28 | 4.22 | 1.76, 0.95 |
| L175 | 119.4 | 8.56 | 4.03 | 1.89, 1.10, 0.85 |
| E176 | 121.4 | 7.95 | 3.63 | 2.32, 2.11, 2.04, 1.96 |
| E177 | 120.4 | 7.60 | 3.96 | 2.18 |
| E178 | 119.2 | 8.33 | 3.98 | 2.24, 2.01 |
| L179 | 119.8 | 8.66 | 4.02 | 1.94, 1.41, 0.80 |
| G180 | 105.6 | 7.99 | 4.44 | 3.90 |
| H181 | 116.0 | 7.45 | 4.52 | 2.40, 1.84 |
| L182 | 119.5 | 7.81 | 4.41 | 1.91, 1.62, 0.94 |
| T183 | 114.2 | 8.08 | 4.12 | 4.61, 1.03 |
| T184 | 116.9 | 8.02 | 4.03 | 4.47, 1.20 |
| L185 | 125.3 | 8.58 | 4.86 | 1.70, 1.23, 0.83, 0.67 |
| T186 | 115.0 | 8.46 | 4.08 | 4.63, 1.14 |
| D187 | 122.4 | 8.82 | 4.21 | 2.90, 2.48 |
| V188 | 118.3 | 8.05 | 4.35 | 1.93, 0.89 |
| V189 | 131.7 | 9.27 | 4.24 | 1.99, 0.81 |
| K190 | 129.6 | 8.90 | 4.74 | 1.75, 1.37, 1.12, 0.79 |
| G191 | 113.3 | 8.44 | 3.76 | 4.62 |
| A192 | 122.6 | 8.65 | 4.18 | 1.40 |
| D193 | 113.3 | 7.97 | 4.55 | 3.30, 2.42 |
| S194 | 110.9 | 7.02 | 3.84 | 5.22 |
| L195 | 122.2 | 8.47 | 5.07 | 1.54 |
| S196 | 120.8 | 8.82 | 3.81 | 5.83 |
| A197 | 122.9 | 8.64 | 4.75 | 1.32 |
| I198 | 121.4 | 8.91 | 4.77 | 1.81, 0.80 |
| L199 | 128.5 | 9.19 | | |
| P200 | | | | |
| G201 | 106.3 | 8.56 | 3.77 | 3.94 |
| D202 | 117.0 | 8.10 | 4.51 | 2.85, 2.59 |
| I203 | 118.5 | 7.11 | 4.35 | 1.87, 1.51, 1.33, 0.98, 0.87 |
| A204 | 130.6 | 8.77 | 4.36 | 1.45 |
| E205 | 124.4 | 8.86 | 3.45 | 1.69, 1.46, 1.23 |
| D206 | 116.9 | 8.75 | 4.44 | 2.69, 2.50 |
| D207 | 120.5 | 7.22 | 4.53 | 2.92, 2.70 |
| I208 | 119.3 | 7.48 | 3.78 | 2.20, 0.92 |
| T209 | 115.4 | 8.74 | 3.74 | 4.34, 1.36 |
| A210 | 122.4 | 7.67 | 4.04 | 1.54 |
| V211 | 114.8 | 7.09 | 3.98 | 2.18, 1.15, 1.02 |
| L212 | 118.8 | 8.12 | 4.14 | 1.85, 1.34, 0.80 |
| C213 | 116.1 | 8.22 | 5.16 | 3.14, 2.90 |
| F214 | 117.6 | 7.28 | 4.63 | 3.31, 3.13 |
| V215 | 118.1 | 8.15 | 4.25 | 2.05, 0.95 |
| I216 | 114.3 | 7.85 | 4.81 | 1.90, 0.85, 0.70 |
| E217 | 117.4 | 8.06 | 4.59 | 2.38, 2.17 |
| A218 | 123.3 | 8.79 | 3.85 | 1.47 |
| D219 | 113.3 | 8.09 | 4.55 | 2.86, 2.62 |
| Q220 | 119.0 | 7.94 | 4.14 | 2.84, 2.32, 2.16 |

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| | | | | |
|------|-------|------|------|------------------------|
| I221 | 119.9 | 7.44 | 4.42 | 1.80, 0.80, 0.59, 0.42 |
| T222 | 122.7 | 8.54 | 3.99 | 4.60, 1.15 |
| F223 | 121.2 | 8.59 | 5.72 | 2.85 |
| E224 | 121.6 | 9.31 | 4.86 | 2.13, 1.86 |
| T225 | 119.7 | 8.74 | 4.16 | 4.49, 1.25 |
| V226 | 125.9 | 8.25 | 4.11 | 1.93, 0.85 |
| E227 | 125.8 | 8.40 | 4.42 | 2.25, 2.04, 1.90 |
| V228 | 122.6 | 8.26 | 4.16 | 2.06, 0.91 |
| S229 | 120.2 | 8.32 | 4.80 | 4.01, 3.80 |
| P230 | | | | |
| K231 | 121.8 | 8.31 | 4.37 | 3.01, 1.77, 1.43 |
| I232 | | | | |
| S233 | 121.1 | 8.37 | 3.86 | 4.80 |

α ^1H chemical shifts are relative to DSS. ^{15}N chemical shifts are relative to $^{15}\text{NH}_3$.

Table S2: Experimental and Derived Dynamics Parameters of CheA₁₋₂₃₃

| residue | T ₁ (ms) | T ₂ (ms) | NOE | τ_m (ns) | S ² | τ_c (ps) | A | error(%) |
|---------|---------------------|---------------------|-------|---------------|----------------|---------------|------|----------|
| 7 | 0.6964 | 0.1845 | | 6.30 | | | | |
| 7 | 0.0118 | 0.0046 | | | | | | |
| 9 | 0.7024 | 0.0966 | | 9.65 | | | | |
| 9 | 0.0401 | 0.0060 | | | | | | |
| 10 | 0.8149 | 0.0693 | 0.657 | 12.65 | 0.833 | 0.4772E+02 | | 12.21 |
| 10 | 0.0327 | 0.0028 | | | | | | |
| 11 | 0.7712 | 0.0729 | 0.676 | 11.95 | 0.845 | 0.4661E+02 | | 4.61 |
| 11 | 0.0323 | 0.0035 | | | | | | |
| 12 | 0.7171 | 0.0789 | 1.011 | 10.95 | 0.854 | 0.1732E-05 | | 26.17 |
| 12 | 0.0419 | 0.0055 | | | | | | |
| 14* | 0.7451 | 0.0691 | 0.930 | 12.05 | 0.898 | 0.4768E-06 | | 15.40 |
| 14 | 0.0303 | 0.0030 | | | 0.911 | | 0.54 | 8.86 |
| 18* | 0.7704 | 0.0622 | 0.737 | 13.05 | 0.910 | 0.3957E+02 | | 14.67 |
| 18 | 0.0297 | 0.0023 | | | 0.918 | | 0.84 | 7.46 |
| 19 | 0.7533 | 0.0611 | | 13.00 | | | | |
| 19 | 0.0445 | 0.0035 | | | | | | |
| 20 | 0.7652 | 0.0667 | 0.764 | 12.50 | 0.893 | 0.1991E+02 | | 8.86 |
| 20 | 0.0522 | 0.0046 | | | 0.891 | | 0.67 | 3.26 |
| 21* | 0.7618 | 0.0621 | 0.711 | 12.95 | 0.913 | 0.6018E+02 | | 14.32 |
| 21 | 0.0312 | 0.0028 | | | 0.905 | | 0.84 | 3.71 |
| 24* | 0.7365 | 0.0599 | 0.860 | 13.00 | 0.958 | 0.1350E-04 | | 14.55 |
| 24 | 0.0382 | 0.0035 | | | 0.973 | | 0.83 | 6.70 |
| 25* | 0.8060 | 0.0606 | 0.795 | 13.55 | 0.899 | 0.4636E-04 | | 18.67 |
| 25 | 0.0400 | 0.0032 | | | 0.919 | | 0.99 | 0.15 |
| 26* | 0.7718 | 0.0753 | 0.812 | 11.75 | 0.846 | 0.2077E-05 | | 0.56 |
| 26 | 0.0388 | 0.0043 | | | 0.842 | | 0.43 | 4.30 |
| 28* | 0.7593 | 0.0728 | 0.753 | 11.85 | 0.861 | 0.2159E+02 | | 2.42 |
| 28 | 0.0451 | 0.0051 | | | 0.854 | | 0.48 | 1.0 |
| 29* | 0.7123 | 0.0871 | 0.681 | 10.30 | 0.794 | 0.3452E+02 | | 13.52 |
| 29 | 0.0380 | 0.0057 | | | 0.813 | | 0.0 | 1.67 |
| 30* | 0.8067 | 0.0793 | 0.669 | 11.70 | 0.792 | 0.3468E+02 | | 1.95 |
| 30 | 0.0322 | 0.0032 | | | 0.788 | | 0.47 | 0.06 |
| 31 | 0.8184 | 0.0861 | 0.618 | 11.25 | 0.750 | 0.3827E+02 | | 2.06 |
| 31 | 0.0666 | 0.0072 | | | 0.750 | | 0.34 | 1.10 |
| 33* | 0.7687 | 0.0776 | 0.654 | 11.50 | 0.819 | 0.4634E+02 | | 0.28 |
| 33 | 0.0264 | 0.0030 | | | 0.817 | | 0.42 | 0.68 |
| 34 | 0.8612 | 0.0884 | 0.502 | 11.40 | 0.711 | 0.5176E+02 | | 1.42 |
| 34 | 0.0264 | 0.0028 | | | | | | |
| 36 | 0.8866 | 0.1078 | 0.583 | 10.35 | 0.634 | 0.2679E+02 | | 11.69 |
| 36 | 0.0576 | 0.0069 | | | | | | |
| 37 | 0.7804 | 0.0636 | 0.731 | 13.00 | 0.895 | 0.3657E+02 | | 14.10 |
| 37 | 0.0574 | 0.0042 | | | 0.899 | | 0.82 | 7.32 |
| 38* | 0.7089 | 0.0738 | 0.668 | 11.30 | 0.875 | 0.6740E+02 | | 2.08 |
| 38 | 0.0254 | 0.0031 | | | 0.876 | | 0.34 | 1.10 |
| 39 | 0.7867 | 0.0732 | | 12.05 | | | | |
| 39 | 0.0397 | 0.0038 | | | | | | |
| 40* | 0.7348 | 0.0696 | 0.621 | 11.95 | 0.879 | 0.9392E+02 | | 5.32 |
| 40 | 0.0353 | 0.0037 | | | 0.875 | | 0.57 | 0.01 |
| 42* | 0.6838 | 0.0700 | 0.808 | 11.45 | 0.931 | 0.3286E+01 | | 2.91 |
| 42 | 0.0253 | 0.0029 | | | 0.928 | | 0.32 | 1.54 |
| 43 | 0.8313 | 0.0674 | 0.618 | 13.00 | 0.826 | 0.5790E+02 | | 16.11 |
| 43 | 0.0591 | 0.0042 | | | 0.818 | | 0.92 | 4.83 |
| 44 | 0.6811 | 0.0599 | 0.668 | 12.45 | 0.956 | 0.3128E+03 | | 10.89 |
| 44 | 0.0378 | 0.0033 | | | 0.987 | | 0.64 | 17.41 |
| 45* | 0.6887 | 0.0696 | 0.677 | 11.50 | 0.916 | 0.1008E+03 | | 0.10 |

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| | | | | | | | | |
|-----|--------|--------|-------|-------|-------|------------|------|-------|
| 45 | 0.0338 | 0.0036 | | | 0.915 | | 0.41 | 0.84 |
| 46* | 0.7152 | 0.0662 | 0.735 | 12.10 | 0.927 | 0.5894E+02 | | 5.18 |
| 46 | 0.0242 | 0.0024 | | | 0.917 | | 0.57 | 1.61 |
| 48 | 0.6179 | 0.0745 | 0.938 | 10.40 | 0.936 | 0.8829E-06 | | 21.48 |
| 48 | 0.0310 | 0.0047 | | | 0.970 | | 0.00 | 17.23 |
| 50* | 0.7692 | 0.0829 | 0.666 | 11.10 | 0.792 | 0.3645E+02 | | 4.52 |
| 50 | 0.0577 | 0.0068 | | | 0.794 | | 0.27 | 1.40 |
| 51* | 0.8016 | 0.0644 | 0.767 | 13.10 | 0.881 | 0.1397E+02 | | 14.58 |
| 51 | 0.0550 | 0.0041 | | | 0.888 | | 0.86 | 2.90 |
| 52 | 0.7137 | 0.0819 | 0.815 | 10.70 | 0.836 | 0.1433E+01 | | 11.03 |
| 52 | 0.0482 | 0.0062 | | | 0.845 | | 0.08 | 4.50 |
| 53* | 0.6789 | 0.0745 | 0.700 | 11.00 | 0.891 | 0.6204E+02 | | 6.26 |
| 53 | 0.0387 | 0.0052 | | | 0.898 | | 0.21 | 1.50 |
| 55 | 0.7331 | 0.0727 | 0.741 | 11.65 | 0.876 | 0.3111E+02 | | 0.28 |
| 55 | 0.0444 | 0.0002 | | | 0.871 | | 0.42 | 0.13 |
| 57 | 0.7503 | 0.0849 | 0.833 | 10.80 | 0.802 | 0.9699E-06 | | 10.46 |
| 57 | 0.0482 | 0.0067 | | | 0.812 | | 0.11 | 7.90 |
| 58* | 0.7203 | 0.0839 | 0.834 | 10.60 | 0.821 | 0.1206E-05 | | 12.45 |
| 58 | 0.0416 | 0.0053 | | | 0.834 | | 0.45 | 7.35 |
| 59 | 0.7555 | 0.0659 | 0.731 | 12.50 | 0.900 | 0.4104E+02 | | 9.36 |
| 59 | 0.0536 | 0.0050 | | | 0.892 | | 0.69 | 4.24 |
| 60* | 0.8018 | 0.0677 | 0.733 | 12.75 | 0.860 | 0.2626E+02 | | 11.64 |
| 60 | 0.0465 | 0.0040 | | | 0.860 | | 0.75 | 5.80 |
| 61 | 0.7555 | 0.0659 | 0.604 | 12.50 | 0.882 | 0.1058E+03 | | 11.27 |
| 61 | 0.0536 | 0.0050 | | | 0.876 | | 0.76 | 1.70 |
| 64* | 0.8251 | 0.0721 | 0.621 | 12.50 | 0.810 | 0.5194E+02 | | 10.92 |
| 64 | 0.0606 | 0.0051 | | | 0.803 | | 0.75 | 2.27 |
| 65 | 0.7997 | 0.0834 | 0.816 | 11.30 | 0.789 | 0.1469E-05 | | 4.36 |
| 65 | 0.0926 | 0.0118 | | | | | | |
| 66 | 0.7114 | 0.0637 | 0.766 | 12.30 | 0.950 | 0.4579E+02 | | 7.02 |
| 66 | 0.0576 | 0.0065 | | | | | | |
| 68 | 0.6424 | 0.0765 | 0.859 | 10.50 | 0.907 | 0.1513E-05 | | 14.91 |
| 68 | 0.0402 | 0.0058 | | | 0.929 | | 0.00 | 8.14 |
| 70* | 0.7343 | 0.0622 | 0.876 | 12.70 | 0.947 | 0.1726E-07 | | 13.20 |
| 70 | 0.0358 | 0.0029 | | | 0.960 | | 0.74 | 9.18 |
| 71* | 0.7451 | 0.0691 | 0.908 | 12.05 | 0.898 | 0.3956E-06 | | 12.84 |
| 71 | 0.0303 | 0.0030 | | | 0.907 | | 0.54 | 14.8 |
| 72* | 0.7952 | 0.0705 | 0.848 | 12.40 | 0.858 | 0.9524E-06 | | 8.54 |
| 72 | 0.0444 | 0.0040 | | | 0.862 | | 0.64 | 8.33 |
| 74 | 0.7049 | 0.0667 | 0.898 | 11.95 | 0.940 | 0.4359E-05 | | 11.23 |
| 74* | 0.0417 | 0.0037 | | | 0.947 | | 0.50 | 12.40 |
| 76* | 0.7613 | 0.0708 | 0.849 | 12.05 | 0.878 | 0.2674E-06 | | 6.18 |
| 76 | 0.0329 | 0.0032 | | | 0.879 | | 0.54 | 7.97 |
| 77* | 0.7765 | 0.0699 | 0.875 | 12.30 | 0.873 | 0.2711E-05 | | 10.09 |
| 77 | 0.0349 | 0.0033 | | | 0.880 | | 0.61 | 11.3 |
| 79 | 0.7950 | 0.0694 | 0.890 | 12.50 | 0.864 | 0.1442E-05 | | 12.94 |
| 79 | 0.0482 | 0.0041 | | | 0.876 | | 0.68 | 13.46 |
| 81* | 0.8191 | 0.0889 | 0.680 | 11.05 | 0.742 | 0.2481E+02 | | 5.21 |
| 81 | 0.0288 | 0.0035 | | | 0.744 | | 0.24 | 1.59 |
| 82* | 0.8177 | 0.0868 | 0.718 | 11.20 | 0.756 | 0.1872E+02 | | 4.18 |
| 82 | 0.0456 | 0.0045 | | | 0.756 | | 0.28 | 1.52 |
| 83* | 0.8594 | 0.0819 | 0.716 | 11.90 | 0.760 | 0.1844E+02 | | 3.43 |
| 83 | 0.0389 | 0.0036 | | | 0.754 | | 0.51 | 1.16 |
| 84* | 0.8296 | 0.0727 | 0.772 | 12.45 | 0.823 | 0.8777E+01 | | 8.42 |
| 84 | 0.0497 | 0.0056 | | | 0.821 | | 0.67 | 0.22 |
| 86 | 0.8076 | 0.0623 | 0.923 | 13.40 | 0.890 | 0.2889E-05 | | 21.95 |
| 86 | 0.0387 | 0.0033 | | | 0.925 | | 0.96 | 16.1 |
| 88 | 0.8493 | 0.0615 | 0.717 | 13.85 | 0.851 | 0.2788E+02 | | 22.21 |
| 88 | 0.0534 | 0.0036 | | | 0.877 | | 1.00 | 9.45 |
| 89* | 0.8054 | 0.0583 | 0.759 | 13.85 | 0.905 | 0.1919E+02 | | 21.70 |

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|------|--------|--------|-------|-------|-------|------------|------|-------|
| 89 | 0.0446 | 0.0036 | | | 0.932 | | 1.00 | 5.67 |
| 90* | 0.7421 | 0.0738 | 0.673 | 11.60 | 0.856 | 0.5356E+02 | | 1.03 |
| 90 | 0.0549 | 0.0061 | | | 0.853 | | 0.44 | 0.47 |
| 91 | 0.7393 | 0.0687 | 0.838 | 12.05 | 0.904 | 0.1160E-06 | | 5.27 |
| 91 | 0.0468 | 0.0049 | | | 0.904 | | 0.54 | 5.92 |
| 92 | 0.7765 | 0.0717 | | 12.10 | | | | |
| 92 | 0.0617 | 0.0062 | | | | | | |
| 93 | 0.7564 | 0.0519 | | 14.25 | | | | |
| 93 | 0.0628 | 0.0040 | | | | | | |
| 95 | 0.8752 | 0.0783 | 0.669 | 12.30 | 0.762 | 0.2805E+02 | | 8.52 |
| 95 | 0.0858 | 0.0080 | | | | | | |
| 96 | 0.7452 | 0.0638 | | 12.65 | | | | |
| 96 | 0.0620 | 0.0057 | | | | | | |
| 97 | 0.6826 | 0.0839 | | 10.30 | | | | |
| 97 | 0.0651 | 0.0112 | | | | | | |
| 99* | 0.7555 | 0.0659 | 0.680 | 12.50 | 0.893 | 0.6817E+02 | | 10.11 |
| 99 | 0.0536 | 0.0050 | | | 0.881 | | 0.72 | 2.98 |
| 101 | 0.8602 | 0.0675 | 0.683 | 13.25 | 0.816 | 0.3281E+02 | | 17.33 |
| 101 | 0.0809 | 0.0057 | | | 0.819 | | 0.93 | 8.04 |
| 104* | 0.7166 | 0.0730 | 0.696 | 11.45 | 0.879 | 0.5487E+02 | | 0.96 |
| 104 | 0.0352 | 0.0043 | | | 0.878 | | 0.38 | 0.86 |
| 105 | 0.7399 | 0.0609 | | 12.90 | | | | |
| 105 | 0.0389 | 0.0032 | | | | | | |
| 108* | 0.7000 | 0.0776 | 0.680 | 10.90 | 0.858 | 0.5330E+02 | | 6.66 |
| 108 | 0.0391 | 0.0053 | | | 0.865 | | 0.20 | 1.50 |
| 109* | 0.8665 | 0.0783 | 0.712 | 12.25 | 0.771 | 0.1986E+02 | | 7.21 |
| 109 | 0.0506 | 0.0048 | | | 0.766 | | 0.63 | 2.89 |
| 110* | 0.8704 | 0.0801 | 0.693 | 12.15 | 0.760 | 0.2279E+02 | | 6.20 |
| 110 | 0.0377 | 0.0033 | | | 0.753 | | 0.60 | 2.06 |
| 112 | 0.7826 | 0.0761 | | 11.75 | | | | |
| 112 | 0.0566 | 0.0058 | | | | | | |
| 113 | 0.8745 | 0.0721 | | 12.90 | | | | |
| 113 | 0.0736 | 0.0061 | | | | | | |
| 116 | 0.7968 | 0.0770 | 0.817 | 11.80 | 0.824 | 0.1711E-06 | | 1.42 |
| 116 | 0.0702 | 0.0073 | | | 0.821 | | 0.46 | 5.59 |
| 120 | 0.7029 | 0.0721 | | 11.40 | | | | |
| 120 | 0.0464 | 0.0052 | | | | | | |
| 121* | 0.7845 | 0.0658 | 0.903 | 12.75 | 0.890 | 0.9752E-08 | | 15.98 |
| 121 | 0.0346 | 0.0030 | | | 0.907 | | 0.77 | 14.04 |
| 122* | 0.7496 | 0.0666 | 0.723 | 12.35 | 0.899 | 0.4658E+02 | | 8.25 |
| 122 | 0.0347 | 0.0034 | | | 0.889 | | 0.66 | 3.27 |
| 124* | 0.7516 | 0.0631 | 0.797 | 12.75 | 0.928 | 0.1589E+01 | | 11.05 |
| 124 | 0.0405 | 0.0035 | | | 0.929 | | 0.76 | 0.08 |
| 126 | 0.7138 | 0.0538 | 0.624 | 13.55 | 0.942 | 0.2910E+03 | | 22.02 |
| 126 | 0.0307 | 0.0027 | | | | | | |
| 128 | 0.7097 | 0.0751 | | 11.20 | 0.884 | | | |
| 128 | 0.0249 | 0.0030 | | | | | | |
| 130 | 0.7035 | 0.0799 | | 10.75 | 0.861 | | | |
| 130 | 0.0169 | 0.0021 | | | | | | |
| 132 | 0.6625 | 0.1272 | | 7.85 | 0.712 | | | |
| 132 | 0.0163 | 0.0040 | | | | | | |
| 137 | 0.8069 | 0.1861 | | 6.95 | 0.537 | | | |
| 137 | 0.0694 | 0.0191 | | | | | | |
| 138 | 0.6582 | 0.1857 | | 6.05 | 0.603 | | | |
| 138 | 0.0095 | 0.0042 | | | | | | |
| 139 | 0.6413 | 0.2019 | | 5.55 | 0.590 | | | |
| 139 | 0.0116 | 0.0066 | | | | | | |
| 140 | 0.7550 | 0.2002 | | 6.30 | 0.539 | | | |
| 140 | 0.0436 | 0.0179 | | | | | | |
| 141 | 0.7042 | 0.1997 | | 6.00 | 0.560 | | | |

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|------|--------|--------|-------|------|-------|------------|------|-------|
| 141 | 0.0179 | 0.0081 | | | | | | |
| 144 | 0.6990 | 0.2487 | | 5.00 | 0.514 | | | |
| 144 | 0.0079 | 0.0058 | | | | | | |
| 145 | 0.6668 | 0.2206 | | 5.35 | 0.557 | | | |
| 145 | 0.0133 | 0.0065 | | | | | | |
| 146 | 0.7986 | 0.2588 | | 5.40 | 0.467 | | | |
| 146 | 0.0235 | 0.0137 | | | | | | |
| 147 | 0.7424 | 0.2191 | | 5.85 | 0.524 | | | |
| 147 | 0.0669 | 0.0388 | | | | | | |
| 148 | 0.7527 | 0.2515 | | 5.30 | 0.491 | | | |
| 148 | 0.0164 | 0.0109 | | | | | | |
| 150 | 0.7002 | 0.1888 | | 6.25 | 0.579 | | | |
| 150 | 0.0115 | 0.0048 | | | | | | |
| 153 | 0.6343 | 0.2233 | | 5.05 | 0.569 | | | |
| 153 | 0.0141 | 0.0087 | | | | | | |
| 155 | 0.8047 | 0.1796 | | 7.10 | 0.546 | | | |
| 155 | 0.0324 | 0.0096 | | | | | | |
| 161* | 0.5219 | 0.1141 | 0.664 | 7.20 | 0.824 | 0.5863E+02 | | 9.56 |
| 161 | 0.0152 | 0.0043 | | | 0.833 | | 0.11 | 0.25 |
| 162* | 0.4936 | 0.1067 | 0.701 | 7.25 | 0.881 | 0.6760E+02 | | 9.29 |
| 162 | 0.0239 | 0.0060 | | | 0.890 | | 0.12 | 0.27 |
| 163* | 0.5802 | 0.1162 | 0.714 | 7.65 | 0.785 | 0.2706E+02 | | 4.09 |
| 163 | 0.0281 | 0.0057 | | | 0.784 | | 0.25 | 0.78 |
| 164* | 0.5235 | 0.1054 | 0.617 | 7.60 | 0.856 | 0.1044E+03 | | 3.15 |
| 164 | 0.0293 | 0.0057 | | | 0.877 | | 0.20 | 21.96 |
| 165* | 0.5227 | 0.1121 | 0.697 | 7.30 | 0.836 | 0.4719E+02 | | 8.67 |
| 165 | 0.0167 | 0.0044 | | | 0.843 | | 0.13 | 0.25 |
| 166 | 0.5530 | 0.1047 | 0.710 | 7.90 | 0.848 | 0.4218E+02 | | 0.12 |
| 166 | 0.0179 | 0.0043 | | | 0.842 | | 0.35 | 0.22 |
| 168 | 0.5818 | 0.1067 | 0.650 | 8.10 | 0.812 | 0.5618E+02 | | 2.97 |
| 168 | 0.0174 | 0.0039 | | | 0.806 | | 0.43 | 0.24 |
| 169 | 0.5558 | 0.1207 | 0.666 | 7.25 | 0.777 | 0.4223E+02 | | 9.14 |
| 169 | 0.0074 | 0.0020 | | | 0.785 | | 0.12 | 0.23 |
| 171 | 0.5207 | 0.1135 | | 7.20 | | | | |
| 171 | 0.0093 | 0.0025 | | | | | | |
| 173* | 0.5733 | 0.0989 | 0.700 | 8.40 | 0.853 | 0.4702E+02 | | 6.58 |
| 173 | 0.0084 | 0.0017 | | | 0.847 | | 0.52 | 0.23 |
| 174* | 0.5151 | 0.1005 | 0.687 | 7.75 | 0.893 | 0.8566E+02 | | 1.89 |
| 174 | 0.0066 | 0.0015 | | | 0.890 | | 0.30 | 0.27 |
| 175* | 0.5386 | 0.1045 | 0.669 | 7.80 | 0.855 | 0.6860E+02 | | 1.27 |
| 175 | 0.0108 | 0.0024 | | | 0.851 | | 0.32 | 0.26 |
| 176* | 0.5183 | 0.0952 | 0.726 | 8.05 | 0.920 | 0.7093E+02 | | 1.80 |
| 176 | 0.0090 | 0.0019 | | | 0.914 | | 0.40 | 0.26 |
| 177* | 0.5699 | 0.0901 | 0.852 | 8.85 | 0.902 | 0.7824E-06 | | 13.49 |
| 177 | 0.0082 | 0.0015 | | | 0.900 | | 0.65 | 6.82 |
| 179* | 0.5158 | 0.0953 | 0.682 | 8.05 | 0.916 | 0.1204E+03 | | 2.04 |
| 179 | 0.0091 | 0.0019 | | | 0.924 | | 0.35 | 14.00 |
| 180* | 0.5287 | 0.1088 | 0.697 | 7.50 | 0.846 | 0.5032E+02 | | 5.79 |
| 180 | 0.0123 | 0.0033 | | | 0.848 | | 0.21 | 0.24 |
| 181* | 0.5431 | 0.1093 | 0.726 | 7.60 | 0.838 | 0.3283E+02 | | 4.57 |
| 181 | 0.0117 | 0.0032 | | | 0.837 | | 0.24 | 0.20 |
| 183 | 0.5832 | 0.0975 | 0.736 | 8.55 | 0.855 | 0.2748E+02 | | 8.32 |
| 183 | 0.0115 | 0.0024 | | | 0.849 | | 0.56 | 0.19 |
| 184 | 0.5497 | 0.1634 | 0.622 | 5.80 | 0.627 | 0.2824E+02 | | 29.58 |
| 184 | 0.0171 | 0.0106 | | | | | | |
| 185 | 0.5952 | 0.1471 | 0.667 | 6.65 | 0.668 | 0.2471E+02 | | 18.03 |
| 185 | 0.0157 | 0.0051 | | | | | | |
| 186 | 0.5436 | 0.1141 | 0.695 | 7.40 | 0.814 | 0.4074E+02 | | 7.14 |
| 186 | 0.0169 | 0.0045 | | | 0.817 | | 0.17 | 0.22 |
| 187* | 0.5575 | 0.1146 | 0.716 | 7.50 | 0.805 | 0.3041E+02 | | 5.92 |

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|------|--------|--------|-------|------|-------|------------|------|-------|
| 187 | 0.0142 | 0.0035 | | | 0.807 | | 0.20 | 0.20 |
| 189* | 0.5287 | 0.1112 | 0.715 | 7.40 | 0.838 | 0.3906E+02 | | 7.54 |
| 189 | 0.0191 | 0.0050 | | | 0.842 | | 0.16 | 0.22 |
| 190* | 0.5766 | 0.0964 | 0.790 | 8.55 | 0.872 | 0.2066E-03 | | 7.64 |
| 190 | 0.0228 | 0.0033 | | | 0.865 | | 0.54 | 0.11 |
| 191 | 0.5705 | 0.1385 | 0.643 | 6.70 | 0.703 | 0.3414E+02 | | 16.55 |
| 191 | 0.0257 | 0.0103 | | | | | | |
| 194* | 0.4946 | 0.1116 | 0.735 | 7.05 | 0.860 | 0.3744E+02 | | 12.68 |
| 194 | 0.0114 | 0.0034 | | | 0.877 | | 0.03 | 0.22 |
| 196* | 0.5295 | 0.1020 | 0.650 | 7.80 | 0.870 | 0.9237E+02 | | 0.52 |
| 196 | 0.0160 | 0.0033 | | | 0.866 | | 0.34 | 0.27 |
| 199 | 0.5336 | 0.1160 | | 7.25 | | | | |
| 199 | 0.0310 | 0.0070 | | | | | | |
| 201 | 0.5606 | 0.1121 | 0.570 | 7.65 | 0.798 | 0.8529E+02 | | 2.02 |
| 201 | 0.0154 | 0.0037 | | | 0.795 | | 0.30 | 0.26 |
| 202 | 0.5225 | 0.1341 | 0.622 | 6.45 | 0.738 | 0.4670E+02 | | 20.01 |
| 202 | 0.0092 | 0.0032 | | | 0.763 | | 0.00 | 6.02 |
| 203 | 0.6588 | 0.1281 | 0.639 | 7.80 | 0.695 | 0.3204E+02 | | 1.04 |
| 203 | 0.0102 | 0.0025 | | | 0.691 | | 0.32 | 0.21 |
| 204 | 0.5727 | 0.1151 | 0.572 | 7.60 | 0.779 | 0.7450E+02 | | 2.45 |
| 204 | 0.0086 | 0.0020 | | | 0.776 | | 0.29 | 0.26 |
| 205* | 0.6353 | 0.0977 | 0.685 | 9.00 | 0.804 | 0.3681E+02 | | 14.73 |
| 205 | 0.0129 | 0.0023 | | | 0.807 | | 0.73 | 0.21 |
| 206* | 0.5705 | 0.0874 | 0.722 | 9.00 | 0.902 | 0.5193E+02 | | 14.52 |
| 206 | 0.0110 | 0.0020 | | | 0.905 | | 0.72 | 0.24 |
| 207* | 0.6251 | 0.0916 | 0.680 | 9.25 | 0.829 | 0.4522E+02 | | 18.07 |
| 207 | 0.0132 | 0.0021 | | | 0.840 | | 0.82 | 0.23 |
| 208* | 0.6344 | 0.0944 | 0.688 | 9.20 | 0.814 | 0.3772E+02 | | 16.94 |
| 208 | 0.0133 | 0.0023 | | | 0.822 | | 0.79 | 0.21 |
| 209* | 0.5656 | 0.0889 | 0.686 | 8.90 | 0.896 | 0.7995E+02 | | 13.27 |
| 209 | 0.0125 | 0.0024 | | | 0.897 | | 0.69 | 0.26 |
| 210* | 0.5764 | 0.0852 | 0.774 | 9.20 | 0.912 | 0.7462E+01 | | 16.29 |
| 210 | 0.0081 | 0.0014 | | | 0.917 | | 0.77 | 0.16 |
| 211* | 0.6327 | 0.0831 | 0.679 | 9.90 | 0.845 | 0.4929E+02 | | 25.39 |
| 211 | 0.0127 | 0.0019 | | | 0.878 | | 1.00 | 0.52 |
| 212* | 0.5617 | 0.0852 | 0.811 | 9.10 | 0.929 | 0.7446E-05 | | 14.46 |
| 212 | 0.0134 | 0.0023 | | | 0.932 | | 0.72 | 1.52 |
| 213* | 0.5491 | 0.0937 | 0.733 | 8.45 | 0.900 | 0.4513E+02 | | 6.92 |
| 213 | 0.0110 | 0.0023 | | | 0.893 | | 0.53 | 0.22 |
| 214* | 0.5535 | 0.1003 | 0.696 | 8.15 | 0.864 | 0.5562E+02 | | 3.20 |
| 214 | 0.0114 | 0.0026 | | | 0.857 | | 0.43 | 0.24 |
| 216 | 0.5752 | 0.0885 | 0.652 | 9.00 | 0.882 | 0.9558E+02 | | 15.16 |
| 216 | 0.0216 | 0.0040 | | | 0.904 | | 0.67 | 18.4 |
| 217 | 0.5346 | 0.1012 | 0.695 | 7.90 | 0.875 | 0.6366E+02 | | 0.11 |
| 217 | 0.0182 | 0.0042 | | | 0.870 | | 0.35 | 0.25 |
| 218 | 0.6268 | 0.0926 | 0.672 | 9.20 | 0.824 | 0.4712E+02 | | 17.63 |
| 218 | 0.0106 | 0.0018 | | | 0.833 | | 0.80 | 0.23 |
| 219 | 0.6148 | 0.0951 | 0.705 | 8.95 | 0.832 | 0.3540E+02 | | 14.08 |
| 219 | 0.0098 | 0.0019 | | | 0.833 | | 0.71 | 0.21 |
| 221* | 0.5387 | 0.1115 | 0.721 | 7.45 | 0.831 | 0.3392E+02 | | 6.48 |
| 221 | 0.0135 | 0.0033 | | | 0.833 | | 0.19 | 0.21 |
| 222* | 0.5307 | 0.1200 | 0.713 | 7.05 | 0.799 | 0.3169E+02 | | 12.53 |
| 222 | 0.0160 | 0.0045 | | | 0.814 | | 0.04 | 0.19 |
| 223 | 0.5494 | 0.1219 | | 7.15 | | | | |
| 223 | 0.0158 | 0.0042 | | | | | | |
| 224* | 0.5163 | 0.1207 | 0.691 | 6.90 | 0.801 | 0.4075E+02 | | 14.56 |
| 224 | 0.0135 | 0.0041 | | | 0.822 | | 0.00 | 0.50 |
| 225* | 0.5609 | 0.1257 | 0.650 | 7.10 | 0.754 | 0.4173E+02 | | 11.13 |
| 225 | 0.0159 | 0.0046 | | | 0.766 | | 0.07 | 0.24 |
| 226 | 0.5774 | 0.1349 | 0.566 | 6.90 | 0.707 | 0.5245E+02 | | 12.90 |

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|-----|--------|--------|-------|------|-------|------------|------|-------|
| 226 | 0.0162 | 0.0049 | | | 0.720 | | 0.03 | 0.14 |
| 227 | 0.6266 | 0.1475 | 0.449 | 6.85 | 0.639 | 0.5943E+02 | | 11.82 |
| 227 | 0.0157 | 0.0049 | | | | | | |
| 229 | 0.6680 | 0.1800 | 0.281 | 6.25 | 0.538 | 0.6003E+02 | | 18.79 |
| 229 | 0.0183 | 0.0073 | | | | | | |

For each residue, the first row of numbers give the measured T_1 , T_2 , and NOE values, and the calculated effective overall correlation time (τ_m), the order parameter (S^2), the correlation time of internal motions (τ_e), and the total relative deviation of theoretical values from experimental values for the isotropic model. The second row of numbers, from left to right, give the standard deviations of the T_1 and T_2 values, and the order parameter, the mixing parameter (A), and the total deviation of the fit for the anisotropic model. Asterisks denote the residues selected for the determination of the overall correlation times τ_1 and τ_2 in the anisotropic model. For residues 135-160, the order parameters were calculated from T_1/T_2 ratios using the isotropic model.
