

Supplementary Material

Location of each analysed residue in the secondary structure and all side chain interactions shorter than 3.2 Å. No correlation was found between radiation susceptibility and folding.

	Folding	side chain interactions (<3.2Å)
Asp 168	α-helix	OD1-WatX79 (2.7), OD2-HisC195ND1 (2.8), OD2-WatX93 (2.9), OD1-HisC195ND1 (3.0)
Asp 73	turn	OD2-Cl1008 (2.7), OD2-WatX30 (2.9), OD2-ArgD252NE (3.1), OD1-WatW127 (3.2), OD1-Cl1008 (3.2)
Asp 53	coil	OD2-WatX184 (2.6), OD2-AlaC29BN (2.8), OD2-IleC54AN (2.9)
Asp 143	α -helix	OD2-HisC195N (2.7), OD1-WatX68 (2.7), OD1-SerC272OG (2.8), OD2-WatX55 (3.0)
Asp 47	coil	OD2-WatX224 (2.4), OD2-ThrC22N (2.7), OD1-WatW237 (2.8), OD2-WatW237 (3.2)
Asp 211	coil	OD1-WatX107 (2.5), OD1-ArgC207NE (2.6), OD2-ArgC207NH2 (3.0), OD2-LysB205NZ (3.0), OD1-ArgC207NH2 (3.1)
Asp 324	α -helix	OD2-WatX164 (2.6), OD1-WatX190 (2.9), OD2-WatX190 (3.1)
Asp 44	coil	OD2-WatX36 (2.5)
Asp 92	turn	OD1-WatX42 (2.9), OD2-WatX290 (2.9), OD2-LysC23N (3.0)
Glu 259	α -helix	OE1-WatX184 (2.6), OE1-WatX129 (2.7), OE1-ArgC43NE (2.9)
Asp 264	coil	OD2-WatX312 (2.6), OD2-WatX246 (2.7), OD1-SerC295OG (2.8), OD1-WatX132 (2.8), OD1-SerC295N (2.9)
Glu 276	turn	OE1-WatX361 (2.6)
Glu 178	α -helix	OE2-WatX83 (2.5)
Asp 115	α -helix	OD2-WatX334 (2.5), OD2-WatW273 (2.6), OD1-WatX293 (2.6), OD2-GlnC107NE2 (2.9), OD1-WatX334(3.0)
Asp 128	α -helix	OD1-WatX294 (2.5), OD1-WatX323 (2.8), OD2-GlnC124O (3.0), OD1-TyrC133OH (3.2)
Asp 231	α -helix	OD1-GlnC227NE2 (3.0), OD2-WatW225 (3.0)
Glu 311	α -helix	OE1-SerC204OG (2.6), OE2-SerC204N (2.7), OE2-SerC204OG (3.0), OE2-PheC203N (3.1), OE1-AspC308N (3.1)
Glu 267	strand	OE1-ThrC265OG1 (2.7), OE2-HisC256NE2 (2.8)
Glu 304	coil	OE2-PheC279N (2.6), OE1-WatX301 (3.1)
Glu 299	strand	OE2-WatX132 (2.7), OE2-AsnC296N (2.8), OE2-SerC295N (3.1)
Asp 308	coil	OD1-GluC311N (2.7), OD2-WatX153 (2.8), OD2-TyrC310N (3.0)
Glu 278	310-helix	OE1-ArgC276N (3.0), OE2-ArgC157NH2 (3.0)
Glu 247	coil	OE2-WatX128 (2.4), OE2-WatX20 (2.6), OE1-WatX127 (2.7), OE1-LysC243NZ (2.9), OE1-WatZ184 (3.2)
Asp 209	turn	OD2-ArgB292NH2 (2.6), OD1-AsnC186ND2 (2.7), OD1-ArgB292NH1 (2.7), OD1-ArgB292NH2 (3.0)
Asp 87	310-helix	OD2-GlyC84N (2.6)
Asp 238	310-helix	OD1-WatX304 (2.6), OD2-WatX119 (2.7), OD2-WatX120 (2.9), OD1-ArgC242NE (3.1)
Asp 197	turn	OD1-WatX203 (2.5), OD2-WatX173 (2.6), OD2-WatX343 (3.1)
Glu 194	turn	OE1-AlaC198N (2.7), OE2-WatX94 (2.7), OE1-LysC321NZ (2.9), OE2-ArgC109NH1 (3.0)
Glu 224	α -helix	OE1-SerC221N (2.5)
Glu 188	strand	OE2-WatX217 (2.5), OE2-WatX88 (2.5), OE1-ArgB207NH1 (3.1), OE1-WatX279 (3.2)
Asp 65	α -helix	OD2-LysD243NZ (2.7), OD1-WatX26 (2.8), OD2-GluD247N (2.9), OD2-TrpD248N (2.9), OD1-GlyD249N (3.0)
Glu 151	α -helix	OE1-WatX298 (2.5), OE2-LysC274NZ (2.7), OE2-ArgC147NE (2.8)