|  |  |  |
| --- | --- | --- |
|  | R301A | R301K |
| Cell Dimensions |  |  |
|  Space group | P21212 | P21212 |
|  a, b, c (Å) | 116.5, 80.5, 81.9 | 116.1, 81.5, 81.2 |
|  Resolution | 50.0-2.35 (2.43-2.35) | 50.0-2.65 (2.7-2.65) |
|  Total Reflections | 195,237 | 113,461 |
|  Unique reflections | 30,556 | 23,441 |
|  Rsym (%) | 9.3 (36.8) | 10.7 (66.8) |
|  I/σ | 21.3 (2.9) | 13.7 (1.8) |
|  Completeness (%) | 93.0 (72.7) | 99.9 (100.0)  |
|  Redundancy | 6.4 (4.3) | 4.9 (4.8) |
| Refinement |  |  |
|  Resolution (Å) | 25.0-2.35 | 25.0-2.65 |
|  No. reflections | 28,934 | 21,464 |
|  Rwork/Rfree | 18.5/23.0 | 18.1/25.5 |
| No. of atoms |  |  |
|  Protein | 4,972 | 5,034 |
|  NAD | 88 | 88 |
|  Water | 374 | 127 |
| B-factors |  |  |
|  Protein | 36.3 | 39.5 |
|  NAD | 32.3 | 33.1 |
|  Water | 37.3 | 33.7 |
| Ramachandran analysis |  |  |
|  Favored | 89.1 | 87.7 |
|  Allowed | 10.7 | 11.6 |
|  Outliers | 0 | 0 |
| Rmsd |  |  |
|  Bond lengths (Å) | 0.010 | 0.010 |
|  Bond angels (o) | 1.31 | 1.62 |
|  |  |  |