**STRUCTURE VALIDATION USING RAMACHANDRAN PLOT**

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| --- | --- |
| Criteria for high-resolution structure: |  |

* The MolProbity score below 2.0
* A clash score below 5
* **Ramachandran Favoured:**>90%
* **Ramachandran outlier:** A value below 1%

MolProbity Score - rs7412

| Metric | Value |
| --- | --- |
| MolProbity Score | 1.39 |
| Clashscore | 1.38 |
| Ramachandran Favoured | 95.56% |
| Ramachandran Outliers | 0.63% |
|  |  |

**Overall Validation**

The structure is of high quality based on the MolProbity metrics. The MolProbity score (1.39), Clashscore (1.38), and low percentages of Ramachandran outliers (0.63%) are all within excellent ranges for a high-resolution protein structure.

MolProbity Score - rs769455

**MolProbity Score**

| **Metric** | **Value** |
| --- | --- |
| MolProbity Score | 1.39 |
| Clashscore | 1.38 |
| Ramachandran Favoured | 95.56% |
| Ramachandran Outliers | 0.63% |
|  |  |
| **Overall Validation** |  |
| The structure is of high quality based on the MolProbity metrics. The MolProbity score (1.39), Clashscore (1.38), and low percentages of Ramachandran outliers (0.63%) are all within excellent ranges for a high-resolution protein structure. |  |