

Figure 1 displays four 2D contour plots showing the distribution of RMSD values for different protein conformations (2BUK, 4V4M, 7ODW, 6S44) as a function of Rotation [degree] and Translation [Angstrom]. The color scale represents RMSD [Å], ranging from 0 (black) to 10 (yellow). The plots show regions of high RMSD (red/yellow) and low RMSD (black) relative to the reference structure.

- 2BUK:** Shows high RMSD regions (red/yellow) at approximately (75, 0) and (175, 0) degrees/Å.
- 4V4M:** Shows high RMSD regions (red/yellow) at approximately (75, 0) and (175, 0) degrees/Å.
- 7ODW:** Shows high RMSD regions (red/yellow) at approximately (75, 0) and (175, 0) degrees/Å.
- 6S44:** Shows high RMSD regions (red/yellow) at approximately (75, 0) and (175, 0) degrees/Å.

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