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| --- | --- | --- | --- |
| MUTANT | mCSM PREDICTED STABILITY CHANGE | ΔΔG value (Kcal/mol) | In vitro stability assay results |
| V2F | - | - | Benign |
| L21P | Destabilising | -1.265 | Intermediate |
| L27P | Destabilising | -1.662 | Damaging |
| H32R | Destabilising | -0.09 | Benign |
| K35R | Destabilising | -0.26 | Intermediate |
| I42N | Destabilising | -2.591 | Damaging |
| V44M | Destabilising | -0.343 | Benign |
| N47S | Destabilising | -1.382 | Benign |
| R48W | Destabilising | -0.33 | Intermediate |
| P76L | Destabilising | -0.175 | Damaging |
| P82L | Destabilising | -0.274 | Benign |
| R102Q | Destabilising | -1.206 | Benign |
| R102W | Destabilising | -0.962 | Damaging |
| R103Q | Destabilising | -0.629 | Benign |
| E112K | Destabilising | -1.263 | Damaging |
| S113L | Destabilising | -0.778 | Damaging |
| T123M | Destabilising | -0.602 | Damaging |
| T123R | Destabilising | -1.119 | Damaging |
|  | | |  |
| Q25R | Destabilising | -0.26 | Benign |
| E41Q | Destabilising | -0.508 | Damaging |
| A52T | Destabilising | -0.382 | Benign |
| C70R | Destabilising | -0.721 | Damaging |
| T77I | Destabilising | -0.246 | Benign |
| K93E | Stabilising | 0.156 | Benign |
| Y101F | Destabilising | -1.283 | Benign |
| E138K | Stabilising | 0.381 | Damaging |
| G141D | Destabilising | -0.419 | Damaging |
| A144T | Destabilising | -0.762 | Benign |
| I146V | Destabilising | -1.362 | Benign |
| Q153R | Stabilising | 0.192 | Benign |