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| Future Direction | How | Suggestion |
| To show that increasing gene dosage of more than half of the missense alleles fully restored function | A titration experiment revealed that raising the expression level of one variant to less than wild-type levels restored mismatch repair. | Overexpression is not always required to regain function |
| To show that increased protein turnover is responsible for the reduced cellular levels. | Ubiquitin-mediated proteasome degradation pathway is the major mechanism for increased turnover of the Msh2 variants. | The clinically approved drug Bortezomib partially restored protein levels and mismatch repair function for low-level variants and reversed the resistance to cisplatin, a common chemotherapeutic. |
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