**S3 Table. PCR diagnosis of MD745 5-FOAR mutants.**

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| --- | --- | --- |
| 5-FOAR Classes | Number of events | PCR product size (bp)1 |
| 1 | 2 | 3 | 4 |
| WT |  | 8038 | 3586 | 638 | 1460 |
| Class 1 | 1 | 8038 | 3586 | 638 | 1460 |
| Class 2 | 25 | 646 | No band | No band | No band |
| Class 3 | 9 | 6876 | 2424 | 638 | No band |
| Class 4 | 1 | Non-specific | 2424 | 638 | No band |

The primers for the PCR reactions labeled 1-4 were: 1 (CHKdeltaF and CHKdeltaR-3) 2 (CHKdeltaF and Ty IN), 3 (Ty OUT and CHKdeltaR-3), and 4 (CHKdeltaF and URA3 R).