

a

Sequence identity = 60 %

| | <i>T. sp. 2.9</i> DarT | <i>Taq</i> DarT | Function |
|------|------------------------|-----------------|-------------|
| 7E | Y44 | Y47 | DNA-binding |
| 17I | H46 | H49 | DNA-binding |
| 27G | R50 | H53 | DNA-binding |
| 37P | R51 | R54 | Active site |
| 47I | | | |
| 57P | | | |
| 67Y | | | |
| 77P | | | |
| 87T | H65 | H68 | Active site |
| 97L | Y71 | Y74 | Active site |
| 107H | R75 | R78 | DNA-binding |
| 117D | M78 | M81 | Active site |
| 127F | | | |
| 137L | | | |
| 147W | | | |
| 157K | | | |
| 167F | Y80 | Y83 | DNA-binding |
| 177V | H119 | H122 | Active site |
| 187L | R154 | R154 | DNA-binding |
| 197R | Q158 | Q158 | DNA-binding |
| 207W | E160 | E160 | Active site |
| +8 | | | |

low sequence identity high

b

