Approved function list's example gene for the "DNA primase/helicase" call (Schubert_31)

The approved function list mentions the need to make sure both domains are present. This image cuts off hits to the second of the two domains.

1) DNA primase/polymerase
2) Helicase

Approved function list's example gene for the "DNA primase/polymerase/helicase" call (GreenHearts_47)

The approved function list mentions the need to make sure all three domains are present. This image cuts off hits to the second of the three domains.
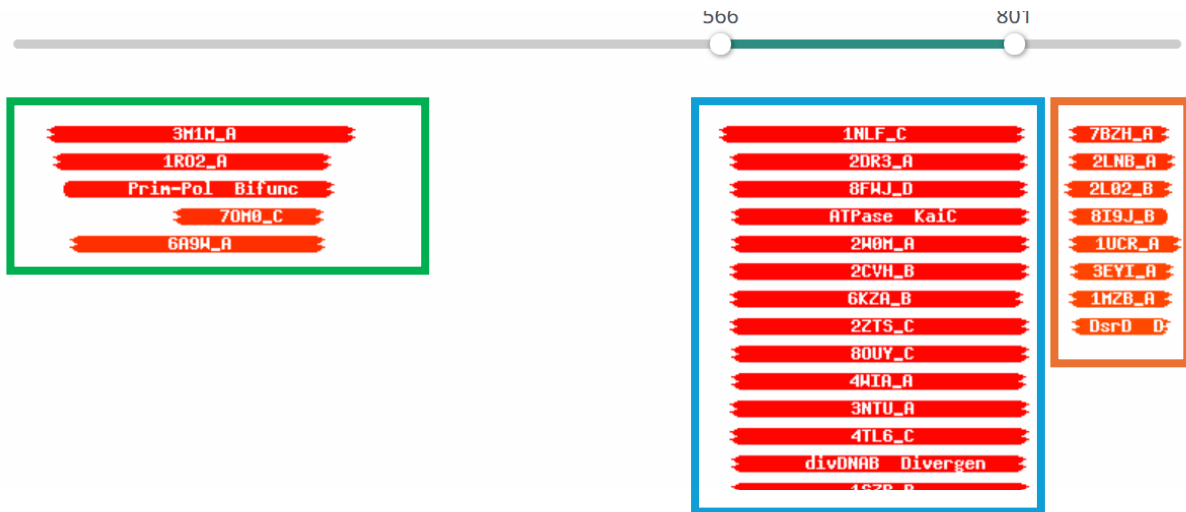

1) DNA primase/polymerase
2) Helicase
3) DNA binding domain

The difference between the gene annotated as "DNA primase/helicase" and the gene currently annotated as "DNA primase/polymerase/helicase" does not seem to have anything to do with the presence of an additional polymerase domain. Rather, the second gene includes a C-terminal DNA binding domain.

My gene of interest is the Andre gene that has its stop at 49133.

This image cuts off hits to the second of the three domains.

566   801

Green box:
- 3M1M_A
- 1RO2_A
- Prim-Pol Bifunc
- 7OM0_C
- 6A9W_A

Blue box:
- 1NLF_C
- 2DR3_A
- 8FWJ_D
- ATPase KaiC
- 2W0M_A
- 2CVH_B
- 6KZA_B
- 2ZTS_C
- 8OUY_C
- 4WIA_A
- 3NTU_A
- 4TL6_C
- divDNAB Divergen
- 1SZB_B

Orange box:
- 7BZH_A
- 2LNB_A
- 2L02_B
- 8I9J_B
- 1UCR_A
- 3EYI_A
- 1MZB_A
- DsrD D

1) DNA primase/polymerase
2) Helicase
3) DNA binding domain/helix-turn-helix DNA binding domain

The pham in which this Andre gene is has numerous calls for both "DNA primase/helicase" and "DNA primase/polymerase/helicase." (Not the same pham as either of the two example genes).