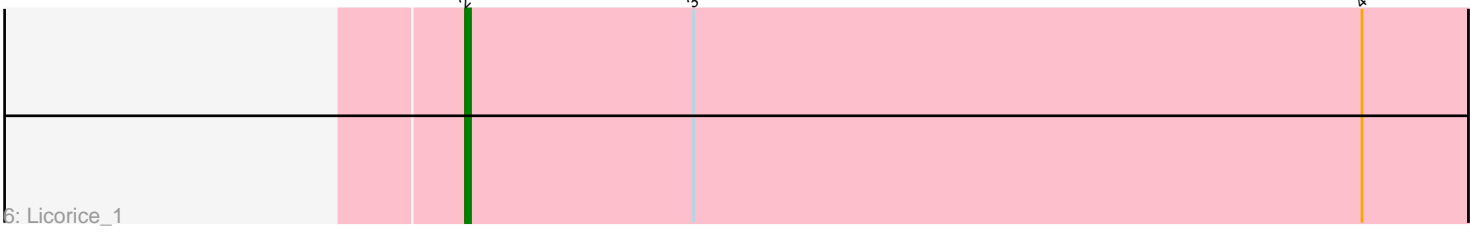
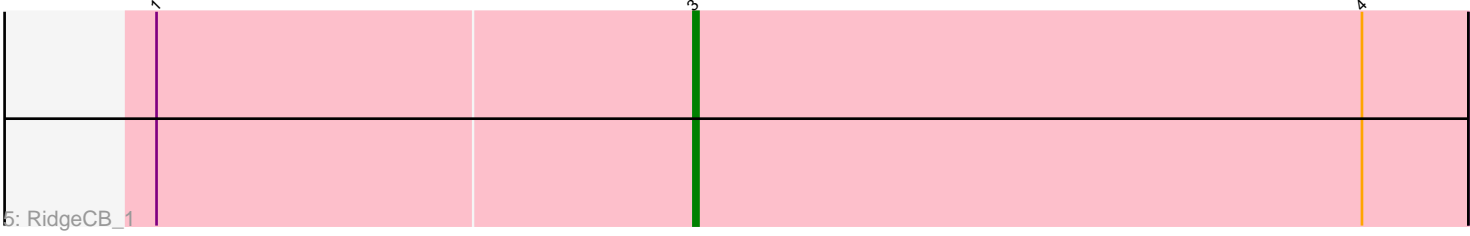
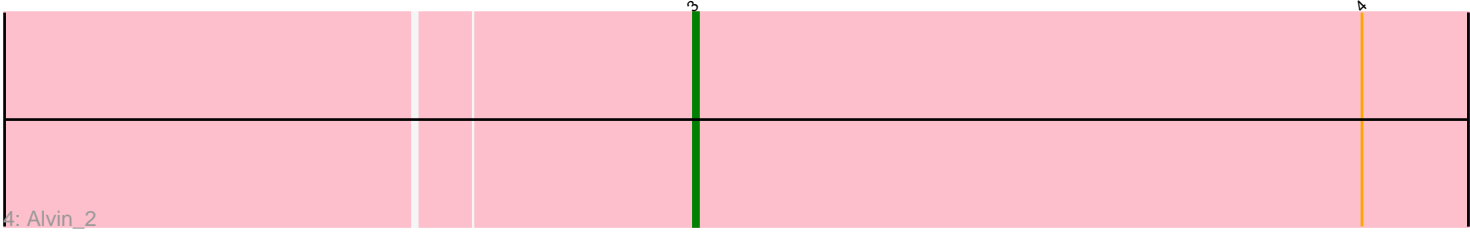
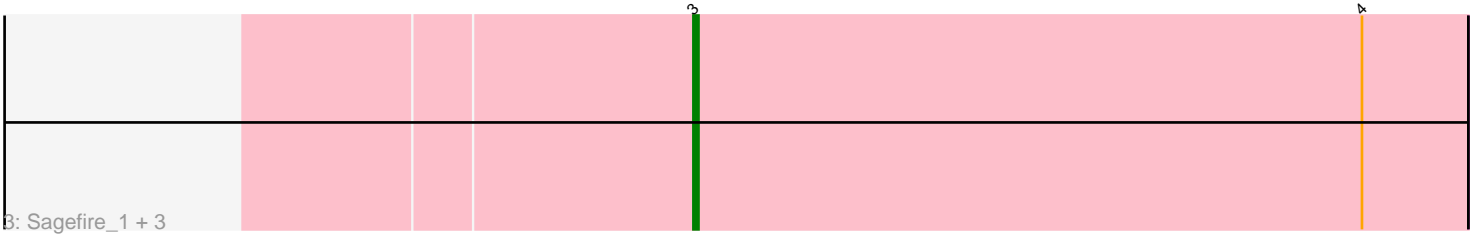
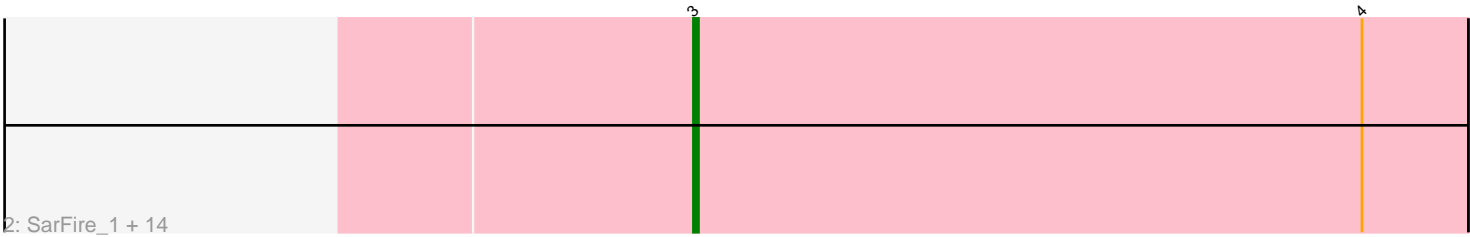
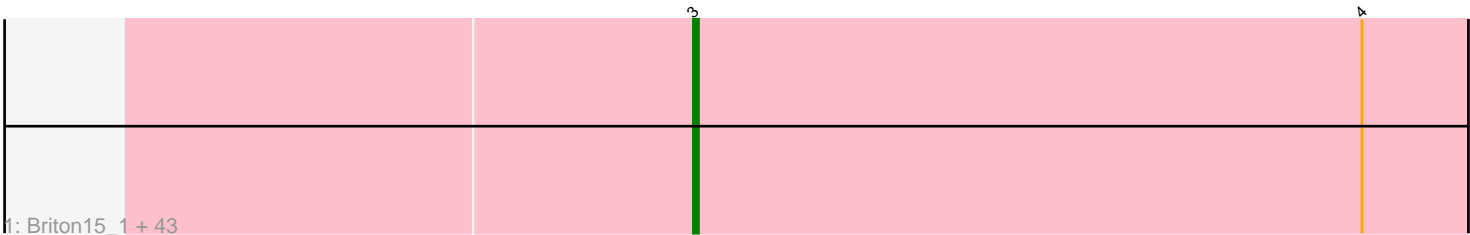


Pham 1492



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 1492 Report

This analysis was run 04/28/24 on database version 559.

Pham number 1492 has 66 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Briton15_1, Rufus_1, Fushigi_1, Burton_1, U2_1, Slagathor_1, Dussy_1, Barriga_1, PattyP_1, HarryOW_1, Dynamix_1, McGuire_1, Seabiscuit_1, Switzer_1, Kenmech_1, Fajezeel_1, Jerm2_1, Museum_2, Petp2012_1, Arcanine_1, JC27_1, Pippin_1, HermioneGrange_1, MPlant7149_1, BillKnuckles_1, Marchy_1, GrecoEtereo_1, Ichabod_1, Payneul_1, BigMau_2, Rubeus_1, Nhonho_1, Bethlehem_1, Bob3_1, Greg_1, BeesKnees_1, NEHalo_1, Lamina13_1, Molly_1, Chanagan_1, Violet_1, Abbyshoes_1, PascalRango_1, Sibs6_1
- Track 2 : SarFire_1, HanShotFirst_1, Monet_1, Anglerfish_1, MaryBeth_1, BaconJack_1, Hermia_1, Treddle_1, Corvo_1, Rajelicia_1, MetalQZJ_1, Manatee_1, Thor_1, Arlo_1, Edtherson_1
- Track 3 : Sagefire_1, Norz_1, Buttons_1, TheloniousMonk_1
- Track 4 : Alvin_2
- Track 5 : RidgeCB_1
- Track 6 : Licorice_1

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 62 of the 63 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abbyshoes_1, Alvin_2, Anglerfish_1, Arcanine_1, Arlo_1, BaconJack_1, Barriga_1, BeesKnees_1, Bethlehem_1, BigMau_2, BillKnuckles_1, Bob3_1, Briton15_1, Burton_1, Buttons_1, Chanagan_1, Corvo_1, Dussy_1, Dynamix_1, Edtherson_1, Fajezeel_1, Fushigi_1, GrecoEtereo_1, Greg_1, HanShotFirst_1, HarryOW_1, Hermia_1, HermioneGrange_1, Ichabod_1, JC27_1, Jerm2_1, Kenmech_1, Lamina13_1, MPlant7149_1, Manatee_1, Marchy_1, MaryBeth_1, McGuire_1, MetalQZJ_1, Molly_1, Monet_1, Museum_2, NEHalo_1, Nhonho_1, Norz_1, PascalRango_1, PattyP_1, Payneul_1, Petp2012_1, Pippin_1, Rajelicia_1, RidgeCB_1, Rubeus_1, Rufus_1, Sagefire_1, SarFire_1, Seabiscuit_1, Sibs6_1, Slagathor_1, Switzer_1, TheloniousMonk_1, Thor_1, Treddle_1, U2_1, Violet_1,

Genes that have the "Most Annotated" start but do not call it:

- Licorice_1,

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 2:

- Found in 1 of 66 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 63
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Licorice_1 (A1),

Start 3:

- Found in 66 of 66 (100.0%) of genes in pham
- Manual Annotations of this start: 62 of 63
- Called 98.5% of time when present
- Phage (with cluster) where this start called: Abbyshoes_1 (A1), Alvin_2 (A1), Anglerfish_1 (A1), Arcanine_1 (A1), Arlo_1 (A1), BaconJack_1 (A1), Barriga_1 (A1), BeesKnees_1 (A1), Bethlehem_1 (A1), BigMau_2 (A1), BillKnuckles_1 (A1), Bob3_1 (A1), Briton15_1 (A1), Burton_1 (A1), Buttons_1 (A1), Chanagan_1 (A1), Corvo_1 (A1), Dussy_1 (A1), Dynamix_1 (A1), Edtherson_1 (A1), Fajezeel_1 (A1), Fushigi_1 (A1), GrecoEtereo_1 (A1), Greg_1 (A1), HanShotFirst_1 (A1), HarryOW_1 (A1), Hermia_1 (A1), HermioneGrange_1 (A1), Ichabod_1 (A1), JC27_1 (A1), Jerm2_1 (A1), Kenmech_1 (A1), Lamina13_1 (A1), MPlant7149_1 (A1), Manatee_1 (A1), Marchy_1 (A1), MaryBeth_1 (A1), McGuire_1 (A1), MetalQZJ_1 (A1), Molly_1 (A1), Monet_1 (A1), Museum_2 (A1), NEHalo_1 (A1), Nhonho_1 (A1), Norz_1 (A1), PascalRango_1 (A1), PattyP_1 (A1), Payneful_1 (A1), Petp2012_1 (A1), Pippin_1 (A1), Rajelicia_1 (A1), RidgeCB_1 (A1), Rubeus_1 (A1), Rufus_1 (A1), Sagefire_1 (A1), SarFire_1 (A1), Seabiscuit_1 (A1), Sibs6_1 (A1), Slagathor_1 (A1), Switzer_1 (A1), TheloniousMonk_1 (A1), Thor_1 (A1), Treddle_1 (A1), U2_1 (A1), Violet_1 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

- Start number 2 was manually annotated 1 time for cluster A1.
- Start number 3 was manually annotated 62 times for cluster A1.

Gene Information:

Gene: Abbyshoes_1 Start: 609, Stop: 761, Start Num: 3

Candidate Starts for Abbyshoes_1:

(Start: 3 @609 has 62 MA's), (4, 741),

Gene: Alvin_2 Start: 1064, Stop: 1216, Start Num: 3

Candidate Starts for Alvin_2:

(Start: 3 @1064 has 62 MA's), (4, 1196),

Gene: Anglerfish_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for Anglerfish_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: Arcanine_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Arcanine_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Arlo_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for Arlo_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: BaconJack_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for BaconJack_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Barriga_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for Barriga_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: BeesKnees_1 Start: 602, Stop: 754, Start Num: 3

Candidate Starts for BeesKnees_1:

(Start: 3 @602 has 62 MA's), (4, 734),

Gene: Bethlehem_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Bethlehem_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: BigMau_2 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for BigMau_2:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: BillKnuckles_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for BillKnuckles_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Bob3_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Bob3_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Briton15_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Briton15_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Burton_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Burton_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Buttons_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Buttons_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Chanagan_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for Chanagan_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Corvo_1 Start: 602, Stop: 754, Start Num: 3
Candidate Starts for Corvo_1:
(Start: 3 @602 has 62 MA's), (4, 734),

Gene: Dussy_1 Start: 609, Stop: 761, Start Num: 3
Candidate Starts for Dussy_1:
(Start: 3 @609 has 62 MA's), (4, 741),

Gene: Dynamix_1 Start: 598, Stop: 750, Start Num: 3
Candidate Starts for Dynamix_1:
(Start: 3 @598 has 62 MA's), (4, 730),

Gene: Edtherson_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for Edtherson_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Fajezeel_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for Fajezeel_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Fushigi_1 Start: 599, Stop: 751, Start Num: 3
Candidate Starts for Fushigi_1:
(Start: 3 @599 has 62 MA's), (4, 731),

Gene: GrecoEtereo_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for GrecoEtereo_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Greg_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for Greg_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: HanShotFirst_1 Start: 601, Stop: 753, Start Num: 3
Candidate Starts for HanShotFirst_1:
(Start: 3 @601 has 62 MA's), (4, 733),

Gene: HarryOW_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for HarryOW_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Hermia_1 Start: 601, Stop: 753, Start Num: 3
Candidate Starts for Hermia_1:
(Start: 3 @601 has 62 MA's), (4, 733),

Gene: HermioneGrange_1 Start: 599, Stop: 751, Start Num: 3
Candidate Starts for HermioneGrange_1:
(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Ichabod_1 Start: 600, Stop: 752, Start Num: 3
Candidate Starts for Ichabod_1:
(Start: 3 @600 has 62 MA's), (4, 732),

Gene: JC27_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for JC27_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Jerm2_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Jerm2_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Kenmech_1 Start: 609, Stop: 761, Start Num: 3

Candidate Starts for Kenmech_1:

(Start: 3 @609 has 62 MA's), (4, 741),

Gene: Lamina13_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Lamina13_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Licorice_1 Start: 557, Stop: 754, Start Num: 2

Candidate Starts for Licorice_1:

(Start: 2 @557 has 1 MA's), (Start: 3 @602 has 62 MA's), (4, 734),

Gene: MPlant7149_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for MPlant7149_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Manatee_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for Manatee_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: Marchy_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Marchy_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: MaryBeth_1 Start: 602, Stop: 754, Start Num: 3

Candidate Starts for MaryBeth_1:

(Start: 3 @602 has 62 MA's), (4, 734),

Gene: McGuire_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for McGuire_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: MetalQZJ_1 Start: 602, Stop: 754, Start Num: 3

Candidate Starts for MetalQZJ_1:

(Start: 3 @602 has 62 MA's), (4, 734),

Gene: Molly_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Molly_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Monet_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Monet_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Museum_2 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Museum_2:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: NEHalo_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for NEHalo_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: Nhonho_1 Start: 597, Stop: 749, Start Num: 3

Candidate Starts for Nhonho_1:

(Start: 3 @597 has 62 MA's), (4, 729),

Gene: Norz_1 Start: 596, Stop: 748, Start Num: 3

Candidate Starts for Norz_1:

(Start: 3 @596 has 62 MA's), (4, 728),

Gene: PascalRango_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for PascalRango_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: PattyP_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for PattyP_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Payneful_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Payneful_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Petp2012_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Petp2012_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Pippin_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for Pippin_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Rajelicia_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Rajelicia_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: RidgeCB_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for RidgeCB_1:

(1, 494), (Start: 3 @599 has 62 MA's), (4, 731),

Gene: Rubeus_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Rubeus_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Rufus_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for Rufus_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: Sagefire_1 Start: 550, Stop: 702, Start Num: 3

Candidate Starts for Sagefire_1:

(Start: 3 @550 has 62 MA's), (4, 682),

Gene: SarFire_1 Start: 608, Stop: 760, Start Num: 3

Candidate Starts for SarFire_1:

(Start: 3 @608 has 62 MA's), (4, 740),

Gene: Seabiscuit_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for Seabiscuit_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Sibs6_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Sibs6_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Slagathor_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Slagathor_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: Switzer_1 Start: 598, Stop: 750, Start Num: 3

Candidate Starts for Switzer_1:

(Start: 3 @598 has 62 MA's), (4, 730),

Gene: TheloniousMonk_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for TheloniousMonk_1:

(Start: 3 @599 has 62 MA's), (4, 731),

Gene: Thor_1 Start: 608, Stop: 760, Start Num: 3

Candidate Starts for Thor_1:

(Start: 3 @608 has 62 MA's), (4, 740),

Gene: Treddle_1 Start: 601, Stop: 753, Start Num: 3

Candidate Starts for Treddle_1:

(Start: 3 @601 has 62 MA's), (4, 733),

Gene: U2_1 Start: 600, Stop: 752, Start Num: 3

Candidate Starts for U2_1:

(Start: 3 @600 has 62 MA's), (4, 732),

Gene: Violet_1 Start: 599, Stop: 751, Start Num: 3

Candidate Starts for Violet_1:

(Start: 3 @599 has 62 MA's), (4, 731),