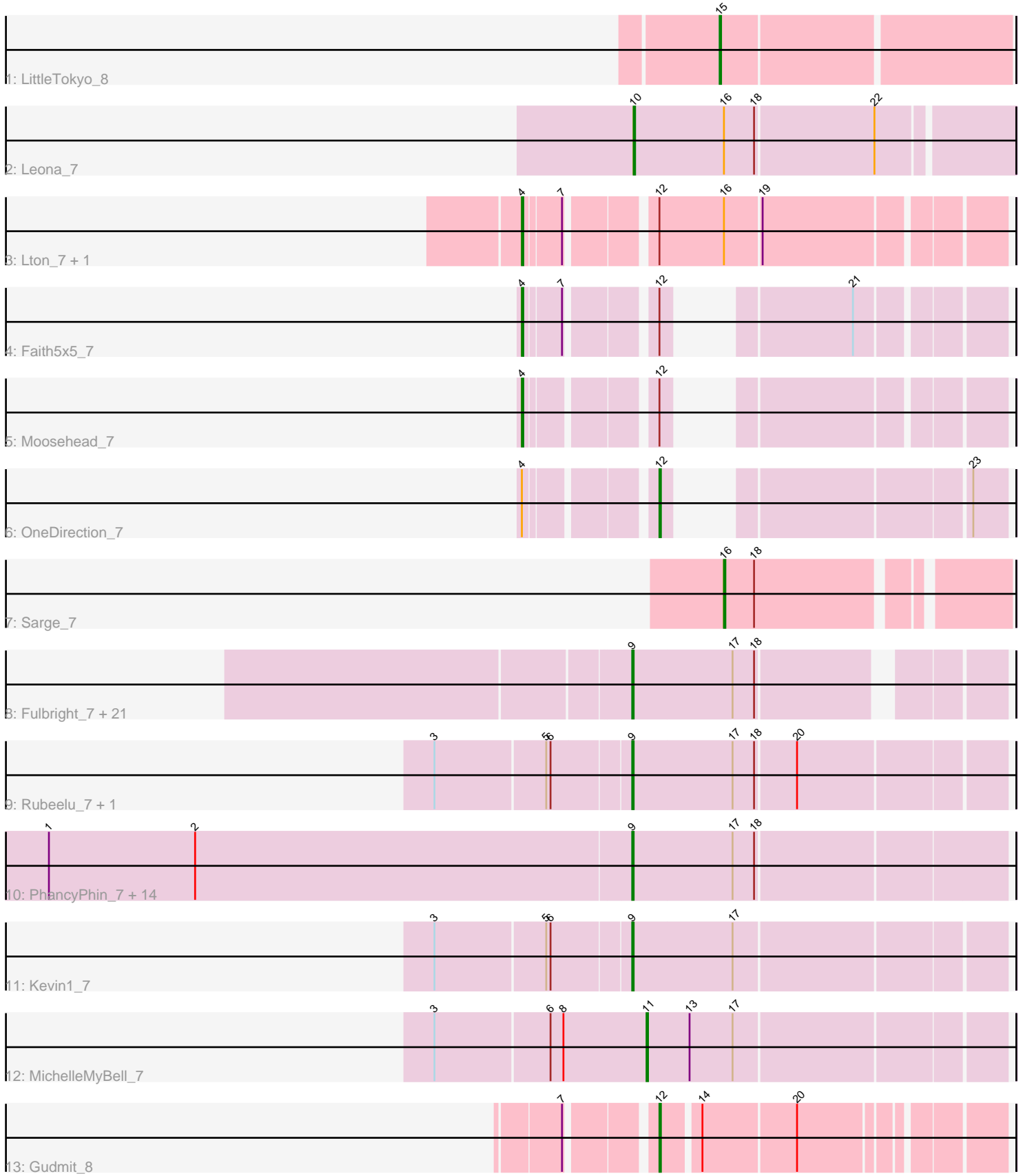


Pham 219827



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 219827 Report

This analysis was run 03/28/25 on database version 593.

Pham number 219827 has 50 members, 1 are drafts.

Phages represented in each track:

- Track 1 : LittleTokyo_8
- Track 2 : Leona_7
- Track 3 : Lton_7, Pepperoni_7
- Track 4 : Faith5x5_7
- Track 5 : Moosehead_7
- Track 6 : OneDirection_7
- Track 7 : Sarge_7
- Track 8 : Fulbright_7, Bosection6_7, Xeno_7, Aggie_7, Parmesanjohn_7, Charlie_7, Silvy_7, Duplicity_7, Andies_7, Gex_7, Pipsqueaks_7, Schnauzer_7, Smurph_7, Carcharodon_7, Xerxes_7, Silvafighter_7, Journey_7, Chewbacca_7, Tapioca_7, Phloss_7, Magsby_7, Philonius_7
- Track 9 : Rubeelu_7, Butters_7
- Track 10 : PhancyPhin_7, SpongeBob_7, Hanako_7, Nenae_7, Jamie19_7, Phrann_7, Purgamenstris_7, BabeRuth_7, Raymond7_7, ShrimpFriedEgg_7, Panchino_7, Redi_7, Rebel_7, Shweta_7, SkinnyPete_7
- Track 11 : Kevin1_7
- Track 12 : MichelleMyBell_7
- Track 13 : Gudmit_8

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

The start number called the most often in the published annotations is 9, it was called in 40 of the 49 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aggie_7, Andies_7, BabeRuth_7, Bosection6_7, Butters_7, Carcharodon_7, Charlie_7, Chewbacca_7, Duplicity_7, Fulbright_7, Gex_7, Hanako_7, Jamie19_7, Journey_7, Kevin1_7, Magsby_7, Nenae_7, Panchino_7, Parmesanjohn_7, PhancyPhin_7, Philonius_7, Phloss_7, Phrann_7, Pipsqueaks_7, Purgamenstris_7, Raymond7_7, Rebel_7, Redi_7, Rubeelu_7, Schnauzer_7, ShrimpFriedEgg_7, Shweta_7, Silvafighter_7, Silvy_7, SkinnyPete_7, Smurph_7, SpongeBob_7, Tapioca_7, Xeno_7, Xerxes_7,

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

-

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

- Faith5x5_7, Gudmit_8, Leona_7, LittleTokyo_8, Lton_7, MichelleMyBell_7, Moosehead_7, OneDirection_7, Pepperoni_7, Sarge_7,

Summary by start number:

Start 4:

- Found in 5 of 50 (10.0%) of genes in pham
- Manual Annotations of this start: 3 of 49
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Faith5x5_7 (CZ6), Lton_7 (CZ), Moosehead_7 (CZ6), Pepperoni_7 (CZ),

Start 9:

- Found in 40 of 50 (80.0%) of genes in pham
- Manual Annotations of this start: 40 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aggie_7 (N), Andies_7 (N), BabeRuth_7 (N), Bosection6_7 (N), Butters_7 (N), Carcharodon_7 (N), Charlie_7 (N), Chewbacca_7 (N), Duplicity_7 (N), Fulbright_7 (N), Gex_7 (N), Hanako_7 (N), Jamie19_7 (N), Journey_7 (N), Kevin1_7 (N), Magsby_7 (N), Nenae_7 (N), Panchino_7 (N), Parmesanjohn_7 (N), PhancyPhin_7 (N), Philonius_7 (N), Phloss_7 (N), Phrann_7 (N), Pipsqueaks_7 (N), Purgamenstris_7 (N), Raymond7_7 (N), Rebel_7 (N), Redi_7 (N), Rubeelu_7 (N), Schnauzer_7 (N), ShrimpFriedEgg_7 (N), Shweta_7 (N), Silvafighter_7 (N), Silvy_7 (N), SkinnyPete_7 (N), Smurph_7 (N), SpongeBob_7 (N), Tapioca_7 (N), Xeno_7 (N), Xerxes_7 (N),

Start 10:

- Found in 1 of 50 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Leona_7 (AS3),

Start 11:

- Found in 1 of 50 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MichelleMyBell_7 (N),

Start 12:

- Found in 6 of 50 (12.0%) of genes in pham
- Manual Annotations of this start: 2 of 49
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Gudmit_8 (singleton), OneDirection_7 (CZ6),

Start 15:

- Found in 1 of 50 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 49
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleTokyo_8 (AS2),

Start 16:

- Found in 4 of 50 (8.0%) of genes in pham
- Manual Annotations of this start: 1 of 49
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Sarge_7 (FB),

Summary by clusters:

There are 7 clusters represented in this pham: AS3, AS2, singleton, CZ6, N, CZ, FB,

Info for manual annotations of cluster AS2:

- Start number 15 was manually annotated 1 time for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 10 was manually annotated 1 time for cluster AS3.

Info for manual annotations of cluster CZ:

- Start number 4 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ6:

- Start number 4 was manually annotated 2 times for cluster CZ6.
- Start number 12 was manually annotated 1 time for cluster CZ6.

Info for manual annotations of cluster FB:

- Start number 16 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster N:

- Start number 9 was manually annotated 40 times for cluster N.
- Start number 11 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Aggie_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Aggie_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Andies_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Andies_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: BabeRuth_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for BabeRuth_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Bosection6_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Bosection6_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Butters_7 Start: 5729, Stop: 5977, Start Num: 9

Candidate Starts for Butters_7:

(3, 5600), (5, 5675), (6, 5678), (Start: 9 @5729 has 40 MA's), (17, 5798), (18, 5813), (20, 5840),

Gene: Carcharodon_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Carcharodon_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Charlie_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Charlie_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Chewbacca_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Chewbacca_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Duplicity_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Duplicity_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Faith5x5_7 Start: 5658, Stop: 5912, Start Num: 4

Candidate Starts for Faith5x5_7:

(Start: 4 @5658 has 3 MA's), (7, 5682), (Start: 12 @5733 has 2 MA's), (21, 5820),

Gene: Fulbright_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Fulbright_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Gex_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Gex_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Gudmit_8 Start: 6514, Stop: 6726, Start Num: 12

Candidate Starts for Gudmit_8:

(7, 6463), (Start: 12 @6514 has 2 MA's), (14, 6538), (20, 6601),

Gene: Hanako_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Hanako_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Jamie19_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Jamie19_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Journey_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Journey_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Kevin1_7 Start: 5729, Stop: 5977, Start Num: 9

Candidate Starts for Kevin1_7:

(3, 5600), (5, 5675), (6, 5678), (Start: 9 @5729 has 40 MA's), (17, 5798),

Gene: Leona_7 Start: 6489, Stop: 6743, Start Num: 10

Candidate Starts for Leona_7:

(Start: 10 @6489 has 1 MA's), (Start: 16 @6552 has 1 MA's), (18, 6573), (22, 6654),

Gene: LittleTokyo_8 Start: 6828, Stop: 7022, Start Num: 15
Candidate Starts for LittleTokyo_8:
(Start: 15 @6828 has 1 MA's),

Gene: Lton_7 Start: 5667, Stop: 5966, Start Num: 4
Candidate Starts for Lton_7:
(Start: 4 @5667 has 3 MA's), (7, 5691), (Start: 12 @5742 has 2 MA's), (Start: 16 @5787 has 1 MA's),
(19, 5811),

Gene: Magsby_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Magsby_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: MichelleMyBell_7 Start: 5758, Stop: 5997, Start Num: 11
Candidate Starts for MichelleMyBell_7:
(3, 5614), (6, 5692), (8, 5701), (Start: 11 @5758 has 1 MA's), (13, 5788), (17, 5818),

Gene: Moosehead_7 Start: 5649, Stop: 5903, Start Num: 4
Candidate Starts for Moosehead_7:
(Start: 4 @5649 has 3 MA's), (Start: 12 @5724 has 2 MA's),

Gene: Nenae_7 Start: 5753, Stop: 6004, Start Num: 9
Candidate Starts for Nenae_7:
(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: OneDirection_7 Start: 5719, Stop: 5904, Start Num: 12
Candidate Starts for OneDirection_7:
(Start: 4 @5644 has 3 MA's), (Start: 12 @5719 has 2 MA's), (23, 5881),

Gene: Panchino_7 Start: 5753, Stop: 5980, Start Num: 9
Candidate Starts for Panchino_7:
(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Parmesanjohn_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Parmesanjohn_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Pepperoni_7 Start: 5961, Stop: 6260, Start Num: 4
Candidate Starts for Pepperoni_7:
(Start: 4 @5961 has 3 MA's), (7, 5985), (Start: 12 @6036 has 2 MA's), (Start: 16 @6081 has 1 MA's),
(19, 6105),

Gene: PhancyPhin_7 Start: 5753, Stop: 6004, Start Num: 9
Candidate Starts for PhancyPhin_7:
(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Philonius_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Philonius_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Phloss_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Phloss_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Phrann_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Phrann_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Pipsqueaks_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Pipsqueaks_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Purgamenstris_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Purgamenstris_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Raymond7_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Raymond7_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Rebel_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Rebel_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Redi_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Redi_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Rubeelu_7 Start: 5729, Stop: 5977, Start Num: 9

Candidate Starts for Rubeelu_7:

(3, 5600), (5, 5675), (6, 5678), (Start: 9 @5729 has 40 MA's), (17, 5798), (18, 5813), (20, 5840),

Gene: Sarge_7 Start: 6203, Stop: 6382, Start Num: 16

Candidate Starts for Sarge_7:

(Start: 16 @6203 has 1 MA's), (18, 6224),

Gene: Schnauzer_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Schnauzer_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: ShrimpFriedEgg_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for ShrimpFriedEgg_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Shweta_7 Start: 5753, Stop: 6004, Start Num: 9

Candidate Starts for Shweta_7:

(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Silvafighter_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Silvafighter_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Silvy_7 Start: 5730, Stop: 5963, Start Num: 9

Candidate Starts for Silvy_7:

(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: SkinnyPete_7 Start: 5753, Stop: 6004, Start Num: 9
Candidate Starts for SkinnyPete_7:
(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Smurph_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Smurph_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: SpongeBob_7 Start: 5753, Stop: 6004, Start Num: 9
Candidate Starts for SpongeBob_7:
(1, 5351), (2, 5453), (Start: 9 @5753 has 40 MA's), (17, 5822), (18, 5837),

Gene: Tapioca_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Tapioca_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Xeno_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Xeno_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),

Gene: Xerxes_7 Start: 5730, Stop: 5963, Start Num: 9
Candidate Starts for Xerxes_7:
(Start: 9 @5730 has 40 MA's), (17, 5799), (18, 5814),