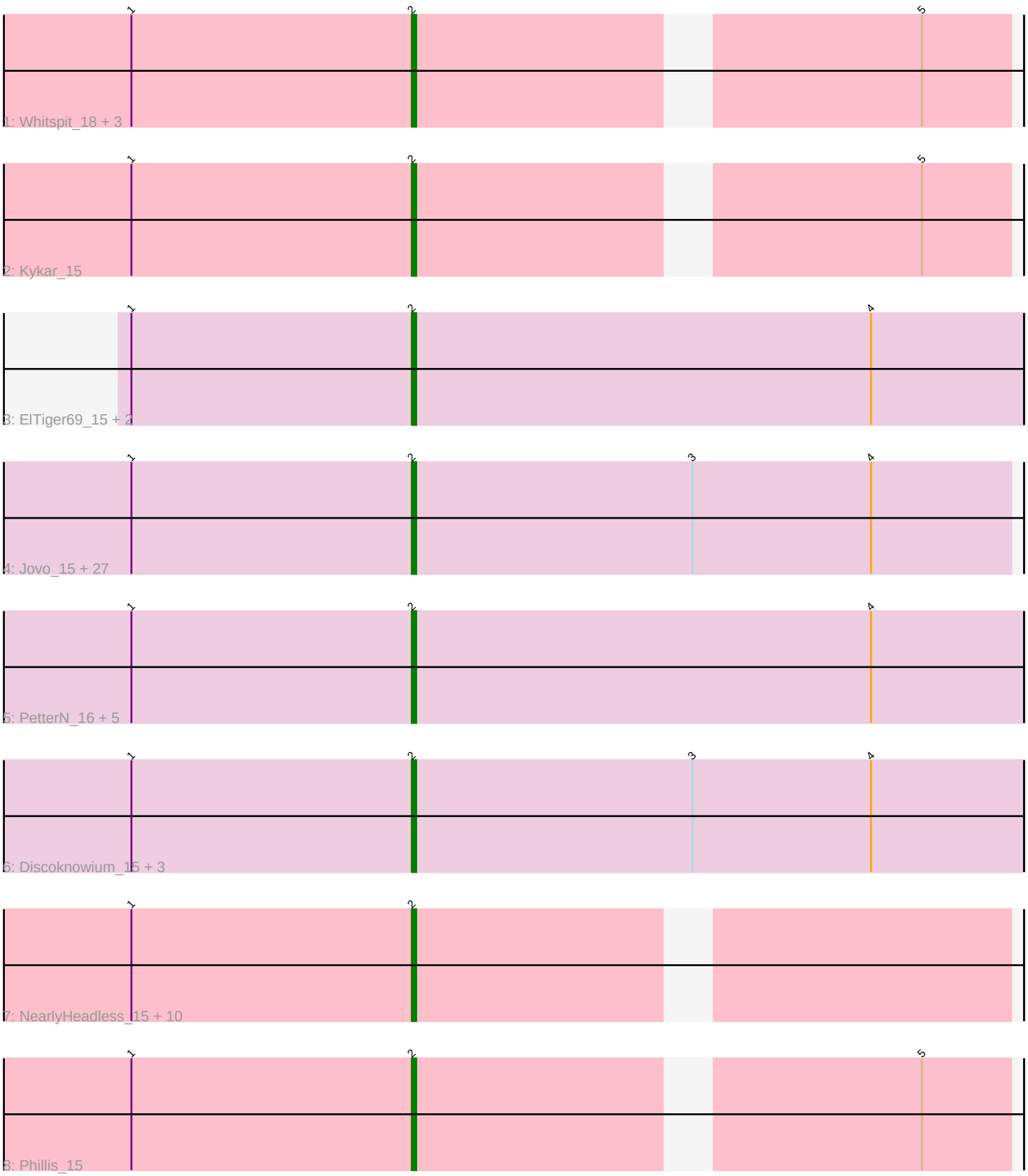
Pham 347664


1
2
5
1: Whitspit_18 + 3
1
2
5
2: Kykar_15
1
2
4
3: ElTiger69_15 + 2
1
2
3
4
4: Jovo_15 + 27
1
2
4
5: PetterN_16 + 5
1
2
3
4
6: Discoknowium_15 + 3
1
2
7: NearlyHeadless_15 + 10
1
2
5
8: Phillis_15

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 347664 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347664 has 58 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Whitspit_18, BillKnuckles_18, Kugel_18, Target_19
• Track 2 : Kykar_15
• Track 3 : ElTiger69_15, Benedict_15, UnionJack_15
• Track 4 : Jovo_15, PickleBack_15, LittleCherry_15, Ghoulboy_15, Zolita_14, Dublin_14, Prinashe11_15, SydNat_15, Lev2_15, HuhtaEnerson15_15, Florence1_15, Coog_15, Archetta_15, Tarynearal_14, Aragog_15, Bluefalcon_14, Midas2_15, MarysWell_14, AgentM_15, Bonamassa_15, Twigg_15, Micasa_15, Florence4_16, Phlorence_15, George_14, Milcery_15, Swirley_15, Cuco_15
• Track 5 : PetterN_16, Naca_15, Scorpia_16, Chadwick_16, Airmid_15, Jabiru_15
• Track 6 : Discoknowium_15, Conspiracy_15, ForGetIt_15, Tiger_15
• Track 7 : NearlyHeadless_15, Saintus_15, Stephig9_15, Groundhog_14, Caitlin_15, Expelliarmus_14, Roary_15, Dixon_15, Astro_15, Smeadley_15, Danforth_14
• Track 8 : Phillis_15

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

The start number called the most often in the published annotations is 2, it was called in 55 of the 55 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AgentM_15, Airmid_15, Aragog_15, Archetta_15, Astro_15, Benedict_15, BillKnuckles_18, Bluefalcon_14, Bonamassa_15, Caitlin_15, Chadwick_16, Conspiracy_15, Coog_15, Cuco_15, Danforth_14, Discoknowium_15, Dixon_15, Dublin_14, ElTiger69_15, Expelliarmus_14, Florence1_15, Florence4_16, ForGetIt_15, George_14, Ghoulboy_15, Groundhog_14, HuhtaEnerson15_15, Jabiru_15, Jovo_15, Kugel_18, Kykar_15, Lev2_15, LittleCherry_15, MarysWell_14, Micasa_15, Midas2_15, Milcery_15, Naca_15, NearlyHeadless_15, PetterN_16, Phillis_15, Phlorence_15, PickleBack_15, Prinashe11_15, Roary_15, Saintus_15, Scorpia_16, Smeadley_15, Stephig9_15, Swirley_15, SydNat_15, Target_19, Tarynearal_14, Tiger_15, Twigg_15, UnionJack_15, Whitspit_18, Zolita_14,

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

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

Summary by start number:

Start 2:
• Found in 58 of 58 (100.0%) of genes in pham
• Manual Annotations of this start: 55 of 55
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_15 (A5), Airmid_15 (A5), Aragog_15 (A5), Archetta_15 (A5), Astro_15 (A8), Benedict_15 (A5), BillKnuckles_18 (A1), Bluefalcon_14 (A5), Bonamassa_15 (A5), Caitlin_15 (A8), Chadwick_16 (A5), Conspiracy_15 (A5), Coog_15 (A5), Cuco_15 (A5), Danforth_14 (A8), Discoknowium_15 (A5), Dixon_15 (A8), Dublin_14 (A5), ElTiger69_15 (A5), Expelliarmus_14 (A8), Florence1_15 (A5), Florence4_16 (A5), ForGetIt_15 (A5), George_14 (A5), Ghoulboy_15 (A5), Groundhog_14 (A8), HuhtaEnerson15_15 (A5), Jabiru_15 (A5), Jovo_15 (A5), Kugel_18 (A1), Kykar_15 (A1), Lev2_15 (A5), LittleCherry_15 (A5), MarysWell_14 (A5), Micasa_15 (A5), Midas2_15 (A5), Milcery_15 (A5), Naca_15 (A5), NearlyHeadless_15 (A8), PetterN_16 (A5), Phillis_15 (A8), Phlorence_15 (A5), PickleBack_15 (A5), Prinashe11_15 (A5), Roary_15 (A8), Saintus_15 (A8), Scorpia_16 (A5), Smeadley_15 (A8), Stephig9_15 (A8), Swirley_15 (A5), SydNat_15 (A5), Target_19 (A1), Tarynearal_14 (A5), Tiger_15 (A5), Twigg_15 (A5), UnionJack_15 (A5), Whitspit_18 (A1), Zolita_14 (A5),

Summary by clusters:

There are 3 clusters represented in this pham: A1, A8, A5,

Info for manual annotations of cluster A1:
•Start number 2 was manually annotated 4 times for cluster A1.

Info for manual annotations of cluster A5:
•Start number 2 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A8:
•Start number 2 was manually annotated 12 times for cluster A8.

Gene Information:

Gene: AgentM_15 Start: 12249, Stop: 12389, Start Num: 2
Candidate Starts for AgentM_15:
(1, 12183), (Start: 2 @12249 has 55 MA's), (3, 12315), (4, 12357),

Gene: Airmid_15 Start: 12009, Stop: 12152, Start Num: 2
Candidate Starts for Airmid_15:
(1, 11943), (Start: 2 @12009 has 55 MA's), (4, 12117),

Gene: Aragog_15 Start: 12279, Stop: 12419, Start Num: 2
Candidate Starts for Aragog_15:
(1, 12213), (Start: 2 @12279 has 55 MA's), (3, 12345), (4, 12387),

Gene: Archetta_15 Start: 11992, Stop: 12132, Start Num: 2
Candidate Starts for Archetta_15:
(1, 11926), (Start: 2 @11992 has 55 MA's), (3, 12058), (4, 12100),

Gene: Astro_15 Start: 11769, Stop: 11897, Start Num: 2
Candidate Starts for Astro_15:
(1, 11703), (Start: 2 @11769 has 55 MA's),

Gene: Benedict_15 Start: 12011, Stop: 12154, Start Num: 2
Candidate Starts for Benedict_15:
(1, 11945), (Start: 2 @12011 has 55 MA's), (4, 12119),

Gene: BillKnuckles_18 Start: 13921, Stop: 14049, Start Num: 2
Candidate Starts for BillKnuckles_18:
(1, 13855), (Start: 2 @13921 has 55 MA's), (5, 14029),

Gene: Bluefalcon_14 Start: 12249, Stop: 12389, Start Num: 2
Candidate Starts for Bluefalcon_14:
(1, 12183), (Start: 2 @12249 has 55 MA's), (3, 12315), (4, 12357),

Gene: Bonamassa_15 Start: 12171, Stop: 12314, Start Num: 2
Candidate Starts for Bonamassa_15:
(1, 12105), (Start: 2 @12171 has 55 MA's), (3, 12237), (4, 12279),

Gene: Caitlin_15 Start: 11766, Stop: 11894, Start Num: 2
Candidate Starts for Caitlin_15:
(1, 11700), (Start: 2 @11766 has 55 MA's),

Gene: Chadwick_16 Start: 11979, Stop: 12122, Start Num: 2
Candidate Starts for Chadwick_16:
(1, 11913), (Start: 2 @11979 has 55 MA's), (4, 12087),

Gene: Conspiracy_15 Start: 11995, Stop: 12138, Start Num: 2
Candidate Starts for Conspiracy_15:
(1, 11929), (Start: 2 @11995 has 55 MA's), (3, 12061), (4, 12103),

Gene: Coog_15 Start: 12139, Stop: 12282, Start Num: 2
Candidate Starts for Coog_15:
(1, 12073), (Start: 2 @12139 has 55 MA's), (3, 12205), (4, 12247),

Gene: Cuco_15 Start: 12170, Stop: 12313, Start Num: 2
Candidate Starts for Cuco_15:
(1, 12104), (Start: 2 @12170 has 55 MA's), (3, 12236), (4, 12278),

Gene: Danforth_14 Start: 11748, Stop: 11876, Start Num: 2
Candidate Starts for Danforth_14:
(1, 11682), (Start: 2 @11748 has 55 MA's),

Gene: Discoknowium_15 Start: 12285, Stop: 12428, Start Num: 2
Candidate Starts for Discoknowium_15:
(1, 12219), (Start: 2 @12285 has 55 MA's), (3, 12351), (4, 12393),

Gene: Dixon_15 Start: 11767, Stop: 11895, Start Num: 2

Candidate Starts for Dixon_15:
(1, 11701), (Start: 2 @11767 has 55 MA's),

Gene: Dublin_14 Start: 12138, Stop: 12281, Start Num: 2
Candidate Starts for Dublin_14:
(1, 12072), (Start: 2 @12138 has 55 MA's), (3, 12204), (4, 12246),

Gene: ElTiger69_15 Start: 12009, Stop: 12152, Start Num: 2
Candidate Starts for ElTiger69_15:
(1, 11943), (Start: 2 @12009 has 55 MA's), (4, 12117),

Gene: Expelliarmus_14 Start: 11734, Stop: 11862, Start Num: 2
Candidate Starts for Expelliarmus_14:
(1, 11668), (Start: 2 @11734 has 55 MA's),

Gene: Florence1_15 Start: 11959, Stop: 12102, Start Num: 2
Candidate Starts for Florence1_15:
(1, 11893), (Start: 2 @11959 has 55 MA's), (3, 12025), (4, 12067),

Gene: Florence4_16 Start: 11959, Stop: 12102, Start Num: 2
Candidate Starts for Florence4_16:
(1, 11893), (Start: 2 @11959 has 55 MA's), (3, 12025), (4, 12067),

Gene: ForGetIt_15 Start: 12021, Stop: 12164, Start Num: 2
Candidate Starts for ForGetIt_15:
(1, 11955), (Start: 2 @12021 has 55 MA's), (3, 12087), (4, 12129),

Gene: George_14 Start: 12171, Stop: 12314, Start Num: 2
Candidate Starts for George_14:
(1, 12105), (Start: 2 @12171 has 55 MA's), (3, 12237), (4, 12279),

Gene: Ghoulboy_15 Start: 12248, Stop: 12388, Start Num: 2
Candidate Starts for Ghoulboy_15:
(1, 12182), (Start: 2 @12248 has 55 MA's), (3, 12314), (4, 12356),

Gene: Groundhog_14 Start: 11735, Stop: 11863, Start Num: 2
Candidate Starts for Groundhog_14:
(1, 11669), (Start: 2 @11735 has 55 MA's),

Gene: HuhtaEnerson15_15 Start: 12171, Stop: 12314, Start Num: 2
Candidate Starts for HuhtaEnerson15_15:
(1, 12105), (Start: 2 @12171 has 55 MA's), (3, 12237), (4, 12279),

Gene: Jabiru_15 Start: 12060, Stop: 12203, Start Num: 2
Candidate Starts for Jabiru_15:
(1, 11994), (Start: 2 @12060 has 55 MA's), (4, 12168),

Gene: Jovo_15 Start: 12280, Stop: 12420, Start Num: 2
Candidate Starts for Jovo_15:
(1, 12214), (Start: 2 @12280 has 55 MA's), (3, 12346), (4, 12388),

Gene: Kugel_18 Start: 13308, Stop: 13436, Start Num: 2
Candidate Starts for Kugel_18:

(1, 13242), (Start: 2 @13308 has 55 MA's), (5, 13416),

Gene: Kykar_15 Start: 12805, Stop: 12933, Start Num: 2
Candidate Starts for Kykar_15:
(1, 12739), (Start: 2 @12805 has 55 MA's), (5, 12913),

Gene: Lev2_15 Start: 11992, Stop: 12132, Start Num: 2
Candidate Starts for Lev2_15:
(1, 11926), (Start: 2 @11992 has 55 MA's), (3, 12058), (4, 12100),

Gene: LittleCherry_15 Start: 12172, Stop: 12315, Start Num: 2
Candidate Starts for LittleCherry_15:
(1, 12106), (Start: 2 @12172 has 55 MA's), (3, 12238), (4, 12280),

Gene: MarysWell_14 Start: 12139, Stop: 12282, Start Num: 2
Candidate Starts for MarysWell_14:
(1, 12073), (Start: 2 @12139 has 55 MA's), (3, 12205), (4, 12247),

Gene: Micasa_15 Start: 12140, Stop: 12283, Start Num: 2
Candidate Starts for Micasa_15:
(1, 12074), (Start: 2 @12140 has 55 MA's), (3, 12206), (4, 12248),

Gene: Midas2_15 Start: 12139, Stop: 12282, Start Num: 2
Candidate Starts for Midas2_15:
(1, 12073), (Start: 2 @12139 has 55 MA's), (3, 12205), (4, 12247),

Gene: Milcery_15 Start: 12176, Stop: 12319, Start Num: 2
Candidate Starts for Milcery_15:
(1, 12110), (Start: 2 @12176 has 55 MA's), (3, 12242), (4, 12284),

Gene: Naca_15 Start: 12093, Stop: 12236, Start Num: 2
Candidate Starts for Naca_15:
(1, 12027), (Start: 2 @12093 has 55 MA's), (4, 12201),

Gene: NearlyHeadless_15 Start: 11784, Stop: 11912, Start Num: 2
Candidate Starts for NearlyHeadless_15:
(1, 11718), (Start: 2 @11784 has 55 MA's),

Gene: PetterN_16 Start: 11980, Stop: 12123, Start Num: 2
Candidate Starts for PetterN_16:
(1, 11914), (Start: 2 @11980 has 55 MA's), (4, 12088),

Gene: Phillis_15 Start: 11742, Stop: 11870, Start Num: 2
Candidate Starts for Phillis_15:
(1, 11676), (Start: 2 @11742 has 55 MA's), (5, 11850),

Gene: Phlorence_15 Start: 12279, Stop: 12419, Start Num: 2
Candidate Starts for Phlorence_15:
(1, 12213), (Start: 2 @12279 has 55 MA's), (3, 12345), (4, 12387),

Gene: PickleBack_15 Start: 11993, Stop: 12133, Start Num: 2
Candidate Starts for PickleBack_15:
(1, 11927), (Start: 2 @11993 has 55 MA's), (3, 12059), (4, 12101),

Gene: Prinashe11_15 Start: 12139, Stop: 12282, Start Num: 2
Candidate Starts for Prinashe11_15:
(1, 12073), (Start: 2 @12139 has 55 MA's), (3, 12205), (4, 12247),

Gene: Roary_15 Start: 11733, Stop: 11861, Start Num: 2
Candidate Starts for Roary_15:
(1, 11667), (Start: 2 @11733 has 55 MA's),

Gene: Saintus_15 Start: 11748, Stop: 11876, Start Num: 2
Candidate Starts for Saintus_15:
(1, 11682), (Start: 2 @11748 has 55 MA's),

Gene: Scorpia_16 Start: 11981, Stop: 12124, Start Num: 2
Candidate Starts for Scorpia_16:
(1, 11915), (Start: 2 @11981 has 55 MA's), (4, 12089),

Gene: Smeadley_15 Start: 11766, Stop: 11894, Start Num: 2
Candidate Starts for Smeadley_15:
(1, 11700), (Start: 2 @11766 has 55 MA's),

Gene: Stephig9_15 Start: 11747, Stop: 11875, Start Num: 2
Candidate Starts for Stephig9_15:
(1, 11681), (Start: 2 @11747 has 55 MA's),

Gene: Swirley_15 Start: 12141, Stop: 12284, Start Num: 2
Candidate Starts for Swirley_15:
(1, 12075), (Start: 2 @12141 has 55 MA's), (3, 12207), (4, 12249),

Gene: SydNat_15 Start: 12248, Stop: 12388, Start Num: 2
Candidate Starts for SydNat_15:
(1, 12182), (Start: 2 @12248 has 55 MA's), (3, 12314), (4, 12356),

Gene: Target_19 Start: 14028, Stop: 14156, Start Num: 2
Candidate Starts for Target_19:
(1, 13962), (Start: 2 @14028 has 55 MA's), (5, 14136),

Gene: Tarynearal_14 Start: 12168, Stop: 12311, Start Num: 2
Candidate Starts for Tarynearal_14:
(1, 12102), (Start: 2 @12168 has 55 MA's), (3, 12234), (4, 12276),

Gene: Tiger_15 Start: 11994, Stop: 12137, Start Num: 2
Candidate Starts for Tiger_15:
(1, 11928), (Start: 2 @11994 has 55 MA's), (3, 12060), (4, 12102),

Gene: Twigg_15 Start: 12140, Stop: 12283, Start Num: 2
Candidate Starts for Twigg_15:
(1, 12074), (Start: 2 @12140 has 55 MA's), (3, 12206), (4, 12248),

Gene: UnionJack_15 Start: 11720, Stop: 11863, Start Num: 2
Candidate Starts for UnionJack_15:
(1, 11654), (Start: 2 @11720 has 55 MA's), (4, 11828),

Gene: Whitspit_18 Start: 13870, Stop: 13998, Start Num: 2
Candidate Starts for Whitspit_18:
(1, 13804), (Start: 2 @13870 has 55 MA's), (5, 13978),

Gene: Zolita_14 Start: 12249, Stop: 12389, Start Num: 2
Candidate Starts for Zolita_14:
(1, 12183), (Start: 2 @12249 has 55 MA's), (3, 12315), (4, 12357),