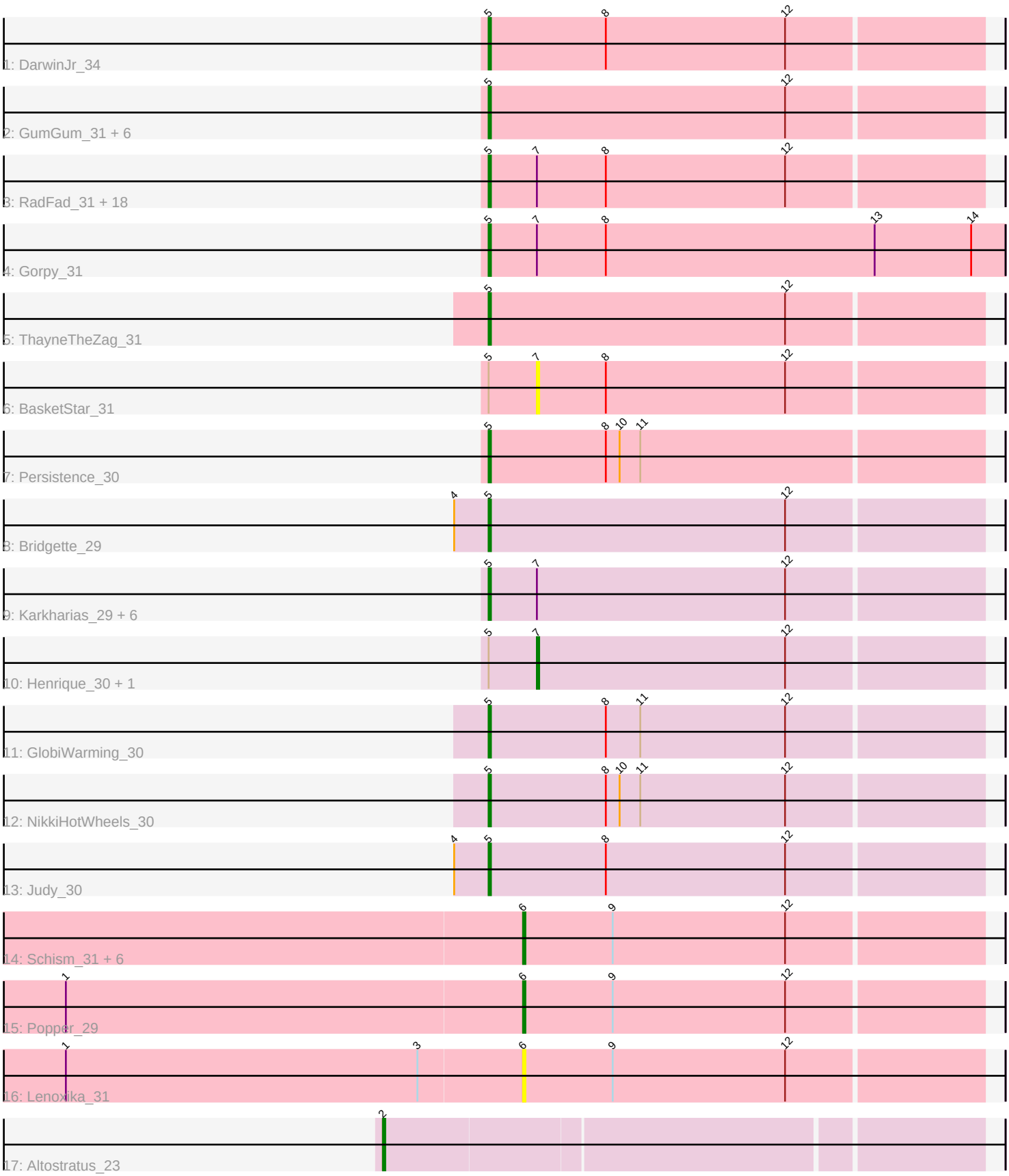
Pham 347681


1: DarwinJr_34
2: GumGum_31 + 6
3: RadFad_31 + 18
4: Gorpy_31
5: ThayneTheZag_31
6: BasketStar_31
7: Persistence_30
8: Bridgette_29
9: Karkharias_29 + 6
10: Henrique_30 + 1
11: GlobiWarming_30
12: NikkiHotWheels_30
13: Judy_30
14: Schism_31 + 6
15: Popper_29
16: Lenoxika_31
17: Altostratus_23

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 347681 Report

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

Pham number 347681 has 54 members, 8 are drafts.

Phages represented in each track:
• Track 1 : DarwinJr_34
• Track 2 : GumGum_31, Anekin_30, Shukran_31, Hestia_31, Kabloowy_31, Satrap_31, CosmicBrownie_31
• Track 3 : RadFad_31, MaterMagnus_31, MidnightRain_31, Hillester_31, Raphaella_31, MUWow_30, Lasker_31, CookieBear_31, Sakai_31, Isolde_31, Richie_31, BenchScraper_31, Lawnathon_31, SonDevVon_30, Sporco_31, YoungHarleezy_31, Globfish_31, BlueShadow_31, Mapleville_30
• Track 4 : Gorpy_31
• Track 5 : ThayneTheZag_31
• Track 6 : BasketStar_31
• Track 7 : Persistence_30
• Track 8 : Bridgette_29
• Track 9 : Karkharias_29, LilyBell_29, KayMoney_30, ChuckDuck_30, PeggyLeg03_29, Constance_29, SpicyFrank_31
• Track 10 : Henrique_30, FosterFrank_30
• Track 11 : GlobiWarming_30
• Track 12 : NikkiHotWheels_30
• Track 13 : Judy_30
• Track 14 : Schism_31, Ryan_31, Kihatsu_32, Zaheer_31, Guinevere_31, Nandita_31, Yonex_31
• Track 15 : Popper_29
• Track 16 : Lenoxika_31
• Track 17 : Altostratus_23

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

The start number called the most often in the published annotations is 5, it was called in 37 of the 46 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Anekin_30, BenchScraper_31, BlueShadow_31, Bridgette_29, ChuckDuck_30, Constance_29, CookieBear_31, CosmicBrownie_31, DarwinJr_34, Globfish_31, GlobiWarming_30, Gorpy_31, GumGum_31, Hestia_31, Hillester_31, Isolde_31, Judy_30, Kabloowy_31, Karkharias_29, KayMoney_30, Lasker_31, Lawnathon_31,

LilyBell_29, MUWow_30, Mapleville_30, MaterMagnus_31, MidnightRain_31, NikkiHotWheels_30, PeggyLeg03_29, Persistence_30, RadFad_31, Raphaella_31, Richie_31, Sakai_31, Satrap_31, Shukran_31, SonDevVon_30, SpicyFrank_31, Sporco_31, ThayneTheZag_31, YoungHarleezy_31,

Genes that have the "Most Annotated" start but do not call it:
• BasketStar_31, FosterFrank_30, Henrique_30,

Genes that do not have the "Most Annotated" start:
• Altostratus_23, Guinevere_31, Kihatsu_32, Lenoxika_31, Nandita_31, Popper_29, Ryan_31, Schism_31, Yonex_31, Zaheer_31,

Summary by start number:

Start 2:
• Found in 1 of 54 (1.9%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Altostratus_23 (FS),

Start 5:
• Found in 44 of 54 (81.5%) of genes in pham
• Manual Annotations of this start: 37 of 46
• Called 93.2% of time when present
• Phage (with cluster) where this start called: Anekin_30 (AY), BenchScraper_31 (AY), BlueShadow_31 (AY), Bridgette_29 (FA), ChuckDuck_30 (FA), Constance_29 (FA), CookieBear_31 (AY), CosmicBrownie_31 (AY), DarwinJr_34 (AY), Globfish_31 (AY), GlobiWarming_30 (FA), Gorpy_31 (AY), GumGum_31 (AY), Hestia_31 (AY), Hillester_31 (AY), Isolde_31 (AY), Judy_30 (FA), Kabloowy_31 (AY), Karkharias_29 (FA), KayMoney_30 (FA), Lasker_31 (AY), Lawnathon_31 (AY), LilyBell_29 (FA), MUWow_30 (AY), Mapleville_30 (AY), MaterMagnus_31 (AY), MidnightRain_31 (AY), NikkiHotWheels_30 (FA), PeggyLeg03_29 (FA), Persistence_30 (AY), RadFad_31 (AY), Raphaella_31 (AY), Richie_31 (AY), Sakai_31 (AY), Satrap_31 (AY), Shukran_31 (AY), SonDevVon_30 (AY), SpicyFrank_31 (AY), Sporco_31 (AY), ThayneTheZag_31 (AY), YoungHarleezy_31 (AY),

Start 6:
• Found in 9 of 54 (16.7%) of genes in pham
• Manual Annotations of this start: 7 of 46
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Guinevere_31 (FF), Kihatsu_32 (FF), Lenoxika_31 (FF), Nandita_31 (FF), Popper_29 (FF), Ryan_31 (FF), Schism_31 (FF), Yonex_31 (FF), Zaheer_31 (FF),

Start 7:
• Found in 30 of 54 (55.6%) of genes in pham
• Manual Annotations of this start: 1 of 46
• Called 10.0% of time when present
• Phage (with cluster) where this start called: BasketStar_31 (AY), FosterFrank_30 (FA), Henrique_30 (FA),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FA, FS, FF,

Info for manual annotations of cluster AY:
•Start number 5 was manually annotated 28 times for cluster AY.

Info for manual annotations of cluster FA:
•Start number 5 was manually annotated 9 times for cluster FA.
•Start number 7 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FF:
•Start number 6 was manually annotated 7 times for cluster FF.

Info for manual annotations of cluster FS:
•Start number 2 was manually annotated 1 time for cluster FS.

Gene Information:

Gene: Altostratus_23 Start: 18535, Stop: 18786, Start Num: 2
Candidate Starts for Altostratus_23:
(Start: 2 @18535 has 1 MA's),

Gene: Anekin_30 Start: 21604, Stop: 21816, Start Num: 5
Candidate Starts for Anekin_30:
(Start: 5 @21604 has 37 MA's), (12, 21733),

Gene: BasketStar_31 Start: 21500, Stop: 21691, Start Num: 7
Candidate Starts for BasketStar_31:
(Start: 5 @21479 has 37 MA's), (Start: 7 @21500 has 1 MA's), (8, 21530), (12, 21608),

Gene: BenchScraper_31 Start: 21440, Stop: 21652, Start Num: 5
Candidate Starts for BenchScraper_31:
(Start: 5 @21440 has 37 MA's), (Start: 7 @21461 has 1 MA's), (8, 21491), (12, 21569),

Gene: BlueShadow_31 Start: 21425, Stop: 21637, Start Num: 5
Candidate Starts for BlueShadow_31:
(Start: 5 @21425 has 37 MA's), (Start: 7 @21446 has 1 MA's), (8, 21476), (12, 21554),

Gene: Bridgette_29 Start: 21491, Stop: 21703, Start Num: 5
Candidate Starts for Bridgette_29:
(4, 21476), (Start: 5 @21491 has 37 MA's), (12, 21620),

Gene: ChuckDuck_30 Start: 21259, Stop: 21471, Start Num: 5
Candidate Starts for ChuckDuck_30:
(Start: 5 @21259 has 37 MA's), (Start: 7 @21280 has 1 MA's), (12, 21388),

Gene: Constance_29 Start: 21731, Stop: 21943, Start Num: 5
Candidate Starts for Constance_29:
(Start: 5 @21731 has 37 MA's), (Start: 7 @21752 has 1 MA's), (12, 21860),

Gene: CookieBear_31 Start: 21425, Stop: 21637, Start Num: 5
Candidate Starts for CookieBear_31:

(Start: 5 @21425 has 37 MA's), (Start: 7 @21446 has 1 MA's), (8, 21476), (12, 21554),

Gene: CosmicBrownie_31 Start: 21244, Stop: 21456, Start Num: 5
Candidate Starts for CosmicBrownie_31:
(Start: 5 @21244 has 37 MA's), (12, 21373),

Gene: DarwinJr_34 Start: 22836, Stop: 23048, Start Num: 5
Candidate Starts for DarwinJr_34:
(Start: 5 @22836 has 37 MA's), (8, 22887), (12, 22965),

Gene: FosterFrank_30 Start: 21354, Stop: 21545, Start Num: 7
Candidate Starts for FosterFrank_30:
(Start: 5 @21333 has 37 MA's), (Start: 7 @21354 has 1 MA's), (12, 21462),

Gene: Globfish_31 Start: 21659, Stop: 21871, Start Num: 5
Candidate Starts for Globfish_31:
(Start: 5 @21659 has 37 MA's), (Start: 7 @21680 has 1 MA's), (8, 21710), (12, 21788),

Gene: GlobiWarming_30 Start: 21174, Stop: 21386, Start Num: 5
Candidate Starts for GlobiWarming_30:
(Start: 5 @21174 has 37 MA's), (8, 21225), (11, 21240), (12, 21303),

Gene: Gorpy_31 Start: 21368, Stop: 21592, Start Num: 5
Candidate Starts for Gorpy_31:
(Start: 5 @21368 has 37 MA's), (Start: 7 @21389 has 1 MA's), (8, 21419), (13, 21536), (14, 21578),

Gene: Guinevere_31 Start: 23146, Stop: 23343, Start Num: 6
Candidate Starts for Guinevere_31:
(Start: 6 @23146 has 7 MA's), (9, 23185), (12, 23260),

Gene: GumGum_31 Start: 21588, Stop: 21800, Start Num: 5
Candidate Starts for GumGum_31:
(Start: 5 @21588 has 37 MA's), (12, 21717),

Gene: Henrique_30 Start: 21223, Stop: 21414, Start Num: 7
Candidate Starts for Henrique_30:
(Start: 5 @21202 has 37 MA's), (Start: 7 @21223 has 1 MA's), (12, 21331),

Gene: Hestia_31 Start: 21464, Stop: 21676, Start Num: 5
Candidate Starts for Hestia_31:
(Start: 5 @21464 has 37 MA's), (12, 21593),

Gene: Hillester_31 Start: 21425, Stop: 21637, Start Num: 5
Candidate Starts for Hillester_31:
(Start: 5 @21425 has 37 MA's), (Start: 7 @21446 has 1 MA's), (8, 21476), (12, 21554),

Gene: Isolde_31 Start: 21194, Stop: 21406, Start Num: 5
Candidate Starts for Isolde_31:
(Start: 5 @21194 has 37 MA's), (Start: 7 @21215 has 1 MA's), (8, 21245), (12, 21323),

Gene: Judy_30 Start: 21742, Stop: 21954, Start Num: 5
Candidate Starts for Judy_30:
(4, 21727), (Start: 5 @21742 has 37 MA's), (8, 21793), (12, 21871),

Gene: Kabloowy_31 Start: 21605, Stop: 21817, Start Num: 5
Candidate Starts for Kabloowy_31:
(Start: 5 @21605 has 37 MA's), (12, 21734),

Gene: Karkharias_29 Start: 21119, Stop: 21331, Start Num: 5
Candidate Starts for Karkharias_29:
(Start: 5 @21119 has 37 MA's), (Start: 7 @21140 has 1 MA's), (12, 21248),

Gene: KayMoney_30 Start: 21263, Stop: 21475, Start Num: 5
Candidate Starts for KayMoney_30:
(Start: 5 @21263 has 37 MA's), (Start: 7 @21284 has 1 MA's), (12, 21392),

Gene: Kihatsu_32 Start: 23492, Stop: 23689, Start Num: 6
Candidate Starts for Kihatsu_32:
(Start: 6 @23492 has 7 MA's), (9, 23531), (12, 23606),

Gene: Lasker_31 Start: 21433, Stop: 21645, Start Num: 5
Candidate Starts for Lasker_31:
(Start: 5 @21433 has 37 MA's), (Start: 7 @21454 has 1 MA's), (8, 21484), (12, 21562),

Gene: Lawnathon_31 Start: 21288, Stop: 21500, Start Num: 5
Candidate Starts for Lawnathon_31:
(Start: 5 @21288 has 37 MA's), (Start: 7 @21309 has 1 MA's), (8, 21339), (12, 21417),

Gene: Lenoxika_31 Start: 23142, Stop: 23339, Start Num: 6
Candidate Starts for Lenoxika_31:
(1, 22944), (3, 23097), (Start: 6 @23142 has 7 MA's), (9, 23181), (12, 23256),

Gene: LilyBell_29 Start: 21131, Stop: 21343, Start Num: 5
Candidate Starts for LilyBell_29:
(Start: 5 @21131 has 37 MA's), (Start: 7 @21152 has 1 MA's), (12, 21260),

Gene: MUWow_30 Start: 21452, Stop: 21664, Start Num: 5
Candidate Starts for MUWow_30:
(Start: 5 @21452 has 37 MA's), (Start: 7 @21473 has 1 MA's), (8, 21503), (12, 21581),

Gene: Mapleville_30 Start: 21358, Stop: 21570, Start Num: 5
Candidate Starts for Mapleville_30:
(Start: 5 @21358 has 37 MA's), (Start: 7 @21379 has 1 MA's), (8, 21409), (12, 21487),

Gene: MaterMagnus_31 Start: 21435, Stop: 21647, Start Num: 5
Candidate Starts for MaterMagnus_31:
(Start: 5 @21435 has 37 MA's), (Start: 7 @21456 has 1 MA's), (8, 21486), (12, 21564),

Gene: MidnightRain_31 Start: 21424, Stop: 21636, Start Num: 5
Candidate Starts for MidnightRain_31:
(Start: 5 @21424 has 37 MA's), (Start: 7 @21445 has 1 MA's), (8, 21475), (12, 21553),

Gene: Nandita_31 Start: 23146, Stop: 23343, Start Num: 6
Candidate Starts for Nandita_31:
(Start: 6 @23146 has 7 MA's), (9, 23185), (12, 23260),

Gene: NikkiHotWheels_30 Start: 21195, Stop: 21407, Start Num: 5
Candidate Starts for NikkiHotWheels_30:
(Start: 5 @21195 has 37 MA's), (8, 21246), (10, 21252), (11, 21261), (12, 21324),

Gene: PeggyLeg03_29 Start: 21731, Stop: 21943, Start Num: 5
Candidate Starts for PeggyLeg03_29:
(Start: 5 @21731 has 37 MA's), (Start: 7 @21752 has 1 MA's), (12, 21860),

Gene: Persistence_30 Start: 21462, Stop: 21674, Start Num: 5
Candidate Starts for Persistence_30:
(Start: 5 @21462 has 37 MA's), (8, 21513), (10, 21519), (11, 21528),

Gene: Popper_29 Start: 23059, Stop: 23256, Start Num: 6
Candidate Starts for Popper_29:
(1, 22861), (Start: 6 @23059 has 7 MA's), (9, 23098), (12, 23173),

Gene: RadFad_31 Start: 21425, Stop: 21637, Start Num: 5
Candidate Starts for RadFad_31:
(Start: 5 @21425 has 37 MA's), (Start: 7 @21446 has 1 MA's), (8, 21476), (12, 21554),

Gene: Raphaella_31 Start: 21359, Stop: 21571, Start Num: 5
Candidate Starts for Raphaella_31:
(Start: 5 @21359 has 37 MA's), (Start: 7 @21380 has 1 MA's), (8, 21410), (12, 21488),

Gene: Richie_31 Start: 21440, Stop: 21652, Start Num: 5
Candidate Starts for Richie_31:
(Start: 5 @21440 has 37 MA's), (Start: 7 @21461 has 1 MA's), (8, 21491), (12, 21569),

Gene: Ryan_31 Start: 23757, Stop: 23954, Start Num: 6
Candidate Starts for Ryan_31:
(Start: 6 @23757 has 7 MA's), (9, 23796), (12, 23871),

Gene: Sakai_31 Start: 21368, Stop: 21580, Start Num: 5
Candidate Starts for Sakai_31:
(Start: 5 @21368 has 37 MA's), (Start: 7 @21389 has 1 MA's), (8, 21419), (12, 21497),

Gene: Satrap_31 Start: 21534, Stop: 21746, Start Num: 5
Candidate Starts for Satrap_31:
(Start: 5 @21534 has 37 MA's), (12, 21663),

Gene: Schism_31 Start: 23146, Stop: 23343, Start Num: 6
Candidate Starts for Schism_31:
(Start: 6 @23146 has 7 MA's), (9, 23185), (12, 23260),

Gene: Shukran_31 Start: 21534, Stop: 21746, Start Num: 5
Candidate Starts for Shukran_31:
(Start: 5 @21534 has 37 MA's), (12, 21663),

Gene: SonDevVon_30 Start: 21361, Stop: 21573, Start Num: 5
Candidate Starts for SonDevVon_30:
(Start: 5 @21361 has 37 MA's), (Start: 7 @21382 has 1 MA's), (8, 21412), (12, 21490),

Gene: SpicyFrank_31 Start: 21660, Stop: 21872, Start Num: 5

Candidate Starts for SpicyFrank_31:
(Start: 5 @21660 has 37 MA's), (Start: 7 @21681 has 1 MA's), (12, 21789),

Gene: Sporco_31 Start: 21416, Stop: 21628, Start Num: 5
Candidate Starts for Sporco_31:
(Start: 5 @21416 has 37 MA's), (Start: 7 @21437 has 1 MA's), (8, 21467), (12, 21545),

Gene: ThayneTheZag_31 Start: 21579, Stop: 21791, Start Num: 5
Candidate Starts for ThayneTheZag_31:
(Start: 5 @21579 has 37 MA's), (12, 21708),

Gene: Yonex_31 Start: 23757, Stop: 23954, Start Num: 6
Candidate Starts for Yonex_31:
(Start: 6 @23757 has 7 MA's), (9, 23796), (12, 23871),

Gene: YoungHarleezy_31 Start: 21438, Stop: 21650, Start Num: 5
Candidate Starts for YoungHarleezy_31:
(Start: 5 @21438 has 37 MA's), (Start: 7 @21459 has 1 MA's), (8, 21489), (12, 21567),

Gene: Zaheer_31 Start: 23846, Stop: 24043, Start Num: 6
Candidate Starts for Zaheer_31:
(Start: 6 @23846 has 7 MA's), (9, 23885), (12, 23960),