

Pham 294708



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 294708 Report

This analysis was run 04/18/26 on database version 643.

Pham number 294708 has 69 members, 16 are drafts.

Phages represented in each track:

- Track 1 : MediumFry_42
- Track 2 : Eddiemania_57, MajinBuu_54, Kenosha_54
- Track 3 : Tonaltzin_58, Duffington_53, Figliar_53, Jodelie19_54, Luthien_57, Citrus_54, Chikenjars_53, EndAve_56, AlainaMarie_54, OlgasClover_56, Aflac_54, TenaciousP_55
- Track 4 : Runhaar_55, PestoPenguin_58, ShaggyRogers_55, Madvan_55, Burley_55, Crocheter_55, BetterYeti_55, Phepper_56, Untouchable_56, Nadmeg_56, CWormy_54, Aloe25_57, ArtetaBall_55, Hydrus_57, Gusicorn_56, Dialga_55, Vardy_54
- Track 5 : Capybara_54, Roney_54, Kerry_53, Tanis_54, Gravy_53
- Track 6 : Odesza_53
- Track 7 : Dancer_54, Bugg_56, FortCran_54
- Track 8 : Mossy_58, Blanky_55
- Track 9 : ChickyNuggy_56, Avazak_55, Trufflozitus_58, Tairn4Wing_56
- Track 10 : JulesRay_54
- Track 11 : Pherobrine_56, Mysticmoon_56
- Track 12 : Fazel_55
- Track 13 : Glintora_56
- Track 14 : Demure_52, Zeph_57, Arataki_53
- Track 15 : Rickmore_51
- Track 16 : Nithya_55
- Track 17 : Conley_53
- Track 18 : Artorias_54
- Track 19 : Captrips_53, Football_56
- Track 20 : OhMyWard_53
- Track 21 : Gill_54, NoPickles_53, Magel_55
- Track 22 : Hortihabitatio_55
- Track 23 : Petite_56
- Track 24 : Secretariat_54

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

The start number called the most often in the published annotations is 6, it was called in 47 of the 53 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aflac_54, AlainaMarie_54, Aloe25_57, Arataki_53, ArtetaBall_55, Avazak_55, BetterYeti_55, Blanky_55, Bugg_56, Burley_55, CWormy_54, Captrips_53, Capybara_54, ChickyNuggy_56, Chikenjars_53, Citrus_54, Conley_53, Crocheter_55, Dancer_54, Demure_52, Dialga_55, Duffington_53, Eddiemania_57, EndAve_56, Fazel_55, Figliar_53, Football_56, FortCran_54, Glintora_56, Gravy_53, Gusicorn_56, Hortihabitatio_55, Hydrus_57, Jodelie19_54, Kenosha_54, Kerry_53, Luthien_57, Madvan_55, MajinBuu_54, Mossy_58, Mysticmoon_56, Nadmeg_56, Nithya_55, Odesza_53, OhMyWard_53, OlgasClover_56, PestoPenguin_58, Petite_56, Phepper_56, Pherobrine_56, Rickmore_51, Roney_54, Runhaar_55, Secretariat_54, ShaggyRogers_55, Tairn4Wing_56, Tanis_54, TenaciousP_55, Tonaltzin_58, Trufflozitus_58, Untouchable_56, Vardy_54, Zeph_57,

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

- Artorias_54, Gill_54, JulesRay_54, Magel_55, MediumFry_42, NoPickles_53,

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

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Summary by start number:

Start 2:

- Found in 1 of 69 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 53
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MediumFry_42 (AU4),

Start 6:

- Found in 69 of 69 (100.0%) of genes in pham
- Manual Annotations of this start: 47 of 53
- Called 91.3% of time when present
- Phage (with cluster) where this start called: Aflac_54 (DJ), AlainaMarie_54 (DJ), Aloe25_57 (DJ), Arataki_53 (DJ), ArtetaBall_55 (DJ), Avazak_55 (DJ), BetterYeti_55 (DJ), Blanky_55 (DJ), Bugg_56 (DJ), Burley_55 (DJ), CWormy_54 (DJ), Captrips_53 (DJ), Capybara_54 (DJ), ChickyNuggy_56 (DJ), Chikenjars_53 (DJ), Citrus_54 (DJ), Conley_53 (DJ), Crocheter_55 (DJ), Dancer_54 (DJ), Demure_52 (DJ), Dialga_55 (DJ), Duffington_53 (DJ), Eddiemania_57 (DJ), EndAve_56 (DJ), Fazel_55 (DJ), Figliar_53 (DJ), Football_56 (DJ), FortCran_54 (DJ), Glintora_56 (DJ), Gravy_53 (DJ), Gusicorn_56 (DJ), Hortihabitatio_55 (DJ), Hydrus_57 (DJ), Jodelie19_54 (DJ), Kenosha_54 (DJ), Kerry_53 (DJ), Luthien_57 (DJ), Madvan_55 (DJ), MajinBuu_54 (DJ), Mossy_58 (DJ), Mysticmoon_56 (DJ), Nadmeg_56 (DJ), Nithya_55 (DJ), Odesza_53 (DJ), OhMyWard_53 (DJ), OlgasClover_56 (DJ), PestoPenguin_58 (DJ), Petite_56 (DJ), Phepper_56 (DJ), Pherobrine_56 (DJ), Rickmore_51 (DJ), Roney_54 (DJ), Runhaar_55 (DJ), Secretariat_54 (DJ), ShaggyRogers_55 (DJ), Tairn4Wing_56 (DJ), Tanis_54 (DJ), TenaciousP_55 (DJ), Tonaltzin_58 (DJ), Trufflozitus_58 (DJ), Untouchable_56 (DJ), Vardy_54 (DJ), Zeph_57 (DJ),

Start 7:

- Found in 22 of 69 (31.9%) of genes in pham
- Manual Annotations of this start: 5 of 53
- Called 22.7% of time when present

- Phage (with cluster) where this start called: Artorias_54 (DJ), Gill_54 (DJ), JulesRay_54 (DJ), Magel_55 (DJ), NoPickles_53 (DJ),

Summary by clusters:

There are 2 clusters represented in this pham: DJ, AU4,

Info for manual annotations of cluster AU4:

- Start number 2 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster DJ:

- Start number 6 was manually annotated 47 times for cluster DJ.
- Start number 7 was manually annotated 5 times for cluster DJ.

Gene Information:

Gene: Aflac_54 Start: 37624, Stop: 38262, Start Num: 6

Candidate Starts for Aflac_54:

(Start: 6 @37624 has 47 MA's), (18, 37831), (19, 37837), (22, 37975), (35, 38155), (44, 38233), (45, 38245),

Gene: AlainaMarie_54 Start: 37610, Stop: 38248, Start Num: 6

Candidate Starts for AlainaMarie_54:

(Start: 6 @37610 has 47 MA's), (18, 37817), (19, 37823), (22, 37961), (35, 38141), (44, 38219), (45, 38231),

Gene: Aloe25_57 Start: 37709, Stop: 38344, Start Num: 6

Candidate Starts for Aloe25_57:

(Start: 6 @37709 has 47 MA's), (18, 37916), (22, 38060), (44, 38315), (45, 38327),

Gene: Arataki_53 Start: 36745, Stop: 37380, Start Num: 6

Candidate Starts for Arataki_53:

(Start: 6 @36745 has 47 MA's), (18, 36952), (20, 36997), (21, 37054), (22, 37096), (44, 37351), (45, 37363),

Gene: ArtetaBall_55 Start: 37934, Stop: 38569, Start Num: 6

Candidate Starts for ArtetaBall_55:

(Start: 6 @37934 has 47 MA's), (18, 38141), (22, 38285), (44, 38540), (45, 38552),

Gene: Artorias_54 Start: 36960, Stop: 37574, Start Num: 7

Candidate Starts for Artorias_54:

(Start: 6 @36957 has 47 MA's), (Start: 7 @36960 has 5 MA's), (18, 37164), (22, 37308), (36, 37473), (45, 37560),

Gene: Avazak_55 Start: 37284, Stop: 37901, Start Num: 6

Candidate Starts for Avazak_55:

(Start: 6 @37284 has 47 MA's), (Start: 7 @37287 has 5 MA's), (18, 37491), (22, 37635), (39, 37809), (45, 37887),

Gene: BetterYeti_55 Start: 37708, Stop: 38343, Start Num: 6

Candidate Starts for BetterYeti_55:

(Start: 6 @37708 has 47 MA's), (18, 37915), (22, 38059), (44, 38314), (45, 38326),

Gene: Blanky_55 Start: 39240, Stop: 39881, Start Num: 6

Candidate Starts for Blanky_55:

(Start: 6 @39240 has 47 MA's), (8, 39288), (12, 39336), (16, 39384), (18, 39447), (22, 39591), (23, 39615), (24, 39630), (38, 39780), (40, 39795), (44, 39852), (45, 39864),

Gene: Bugg_56 Start: 37002, Stop: 37619, Start Num: 6

Candidate Starts for Bugg_56:

(Start: 6 @37002 has 47 MA's), (Start: 7 @37005 has 5 MA's), (18, 37209), (22, 37353), (36, 37518), (45, 37605),

Gene: Burley_55 Start: 37396, Stop: 38031, Start Num: 6

Candidate Starts for Burley_55:

(Start: 6 @37396 has 47 MA's), (18, 37603), (22, 37747), (44, 38002), (45, 38014),

Gene: CWormy_54 Start: 37347, Stop: 37982, Start Num: 6

Candidate Starts for CWormy_54:

(Start: 6 @37347 has 47 MA's), (18, 37554), (22, 37698), (44, 37953), (45, 37965),

Gene: Captrips_53 Start: 36432, Stop: 37049, Start Num: 6

Candidate Starts for Captrips_53:

(Start: 6 @36432 has 47 MA's), (Start: 7 @36435 has 5 MA's), (18, 36639), (22, 36783), (36, 36948), (39, 36957), (45, 37035),

Gene: Capybara_54 Start: 36783, Stop: 37382, Start Num: 6

Candidate Starts for Capybara_54:

(Start: 6 @36783 has 47 MA's), (Start: 7 @36786 has 5 MA's), (13, 36885), (18, 36990), (22, 37134), (31, 37284), (36, 37299), (45, 37368),

Gene: ChickyNuggy_56 Start: 37041, Stop: 37658, Start Num: 6

Candidate Starts for ChickyNuggy_56:

(Start: 6 @37041 has 47 MA's), (Start: 7 @37044 has 5 MA's), (18, 37248), (22, 37392), (39, 37566), (45, 37644),

Gene: Chikenjars_53 Start: 37622, Stop: 38260, Start Num: 6

Candidate Starts for Chikenjars_53:

(Start: 6 @37622 has 47 MA's), (18, 37829), (19, 37835), (22, 37973), (35, 38153), (44, 38231), (45, 38243),

Gene: Citrus_54 Start: 37900, Stop: 38538, Start Num: 6

Candidate Starts for Citrus_54:

(Start: 6 @37900 has 47 MA's), (18, 38107), (19, 38113), (22, 38251), (35, 38431), (44, 38509), (45, 38521),

Gene: Conley_53 Start: 37570, Stop: 38184, Start Num: 6

Candidate Starts for Conley_53:

(Start: 6 @37570 has 47 MA's), (Start: 7 @37573 has 5 MA's), (18, 37777), (22, 37921), (26, 37990), (27, 38017), (32, 38074), (45, 38170),

Gene: Crocheter_55 Start: 37792, Stop: 38427, Start Num: 6

Candidate Starts for Crocheter_55:

(Start: 6 @37792 has 47 MA's), (18, 37999), (22, 38143), (44, 38398), (45, 38410),

Gene: Dancer_54 Start: 36692, Stop: 37309, Start Num: 6
Candidate Starts for Dancer_54:
(Start: 6 @36692 has 47 MA's), (Start: 7 @36695 has 5 MA's), (18, 36899), (22, 37043), (36, 37208),
(45, 37295),

Gene: Demure_52 Start: 36745, Stop: 37380, Start Num: 6
Candidate Starts for Demure_52:
(Start: 6 @36745 has 47 MA's), (18, 36952), (20, 36997), (21, 37054), (22, 37096), (44, 37351), (45,
37363),

Gene: Dialga_55 Start: 37961, Stop: 38596, Start Num: 6
Candidate Starts for Dialga_55:
(Start: 6 @37961 has 47 MA's), (18, 38168), (22, 38312), (44, 38567), (45, 38579),

Gene: Duffington_53 Start: 37317, Stop: 37955, Start Num: 6
Candidate Starts for Duffington_53:
(Start: 6 @37317 has 47 MA's), (18, 37524), (19, 37530), (22, 37668), (35, 37848), (44, 37926), (45,
37938),

Gene: Eddiemania_57 Start: 38537, Stop: 39172, Start Num: 6
Candidate Starts for Eddiemania_57:
(Start: 6 @38537 has 47 MA's), (18, 38744), (19, 38750), (22, 38888), (44, 39143), (45, 39155),

Gene: EndAve_56 Start: 37790, Stop: 38428, Start Num: 6
Candidate Starts for EndAve_56:
(Start: 6 @37790 has 47 MA's), (18, 37997), (19, 38003), (22, 38141), (35, 38321), (44, 38399), (45,
38411),

Gene: Fazel_55 Start: 37262, Stop: 37894, Start Num: 6
Candidate Starts for Fazel_55:
(Start: 6 @37262 has 47 MA's), (8, 37310), (16, 37406), (18, 37469), (22, 37613), (24, 37652), (29,
37766), (42, 37829), (44, 37865), (45, 37877),

Gene: Figliar_53 Start: 37692, Stop: 38330, Start Num: 6
Candidate Starts for Figliar_53:
(Start: 6 @37692 has 47 MA's), (18, 37899), (19, 37905), (22, 38043), (35, 38223), (44, 38301), (45,
38313),

Gene: Football_56 Start: 36838, Stop: 37455, Start Num: 6
Candidate Starts for Football_56:
(Start: 6 @36838 has 47 MA's), (Start: 7 @36841 has 5 MA's), (18, 37045), (22, 37189), (36, 37354),
(39, 37363), (45, 37441),

Gene: FortCran_54 Start: 36957, Stop: 37574, Start Num: 6
Candidate Starts for FortCran_54:
(Start: 6 @36957 has 47 MA's), (Start: 7 @36960 has 5 MA's), (18, 37164), (22, 37308), (36, 37473),
(45, 37560),

Gene: Gill_54 Start: 36803, Stop: 37399, Start Num: 7
Candidate Starts for Gill_54:
(Start: 6 @36800 has 47 MA's), (Start: 7 @36803 has 5 MA's), (13, 36902), (18, 37007), (22, 37151),
(31, 37301), (36, 37316), (45, 37385),

Gene: Glintora_56 Start: 38232, Stop: 38879, Start Num: 6

Candidate Starts for Glintora_56:

(Start: 6 @38232 has 47 MA's), (18, 38439), (22, 38583), (41, 38808), (43, 38817), (44, 38853),

Gene: Gravy_53 Start: 36473, Stop: 37072, Start Num: 6

Candidate Starts for Gravy_53:

(Start: 6 @36473 has 47 MA's), (Start: 7 @36476 has 5 MA's), (13, 36575), (18, 36680), (22, 36824), (31, 36974), (36, 36989), (45, 37058),

Gene: Gusicorn_56 Start: 37709, Stop: 38344, Start Num: 6

Candidate Starts for Gusicorn_56:

(Start: 6 @37709 has 47 MA's), (18, 37916), (22, 38060), (44, 38315), (45, 38327),

Gene: Hortihabitatio_55 Start: 37498, Stop: 38130, Start Num: 6

Candidate Starts for Hortihabitatio_55:

(Start: 6 @37498 has 47 MA's), (8, 37546), (9, 37555), (12, 37594), (14, 37612), (18, 37705), (22, 37849), (24, 37888), (27, 37945), (29, 38002), (44, 38101), (45, 38113),

Gene: Hydrus_57 Start: 38564, Stop: 39199, Start Num: 6

Candidate Starts for Hydrus_57:

(Start: 6 @38564 has 47 MA's), (18, 38771), (22, 38915), (44, 39170), (45, 39182),

Gene: Jodelie19_54 Start: 39096, Stop: 39734, Start Num: 6

Candidate Starts for Jodelie19_54:

(Start: 6 @39096 has 47 MA's), (18, 39303), (19, 39309), (22, 39447), (35, 39627), (44, 39705), (45, 39717),

Gene: JulesRay_54 Start: 36969, Stop: 37583, Start Num: 7

Candidate Starts for JulesRay_54:

(Start: 6 @36966 has 47 MA's), (Start: 7 @36969 has 5 MA's), (18, 37173), (22, 37317), (39, 37491), (45, 37569),

Gene: Kenosha_54 Start: 38023, Stop: 38658, Start Num: 6

Candidate Starts for Kenosha_54:

(Start: 6 @38023 has 47 MA's), (18, 38230), (19, 38236), (22, 38374), (44, 38629), (45, 38641),

Gene: Kerry_53 Start: 36473, Stop: 37072, Start Num: 6

Candidate Starts for Kerry_53:

(Start: 6 @36473 has 47 MA's), (Start: 7 @36476 has 5 MA's), (13, 36575), (18, 36680), (22, 36824), (31, 36974), (36, 36989), (45, 37058),

Gene: Luthien_57 Start: 37788, Stop: 38426, Start Num: 6

Candidate Starts for Luthien_57:

(Start: 6 @37788 has 47 MA's), (18, 37995), (19, 38001), (22, 38139), (35, 38319), (44, 38397), (45, 38409),

Gene: Madvan_55 Start: 37433, Stop: 38068, Start Num: 6

Candidate Starts for Madvan_55:

(Start: 6 @37433 has 47 MA's), (18, 37640), (22, 37784), (44, 38039), (45, 38051),

Gene: Magel_55 Start: 36719, Stop: 37315, Start Num: 7

Candidate Starts for Magel_55:

(Start: 6 @36716 has 47 MA's), (Start: 7 @36719 has 5 MA's), (13, 36818), (18, 36923), (22, 37067), (31, 37217), (36, 37232), (45, 37301),

Gene: MajinBuu_54 Start: 37725, Stop: 38363, Start Num: 6

Candidate Starts for MajinBuu_54:

(Start: 6 @37725 has 47 MA's), (18, 37932), (19, 37938), (22, 38076), (44, 38334), (45, 38346),

Gene: MediumFry_42 Start: 32492, Stop: 33331, Start Num: 2

Candidate Starts for MediumFry_42:

(1, 32489), (Start: 2 @32492 has 1 MA's), (3, 32525), (4, 32528), (5, 32633), (Start: 6 @32672 has 47 MA's), (10, 32741), (11, 32765), (44, 33293), (46, 33326),

Gene: Mossy_58 Start: 39452, Stop: 40093, Start Num: 6

Candidate Starts for Mossy_58:

(Start: 6 @39452 has 47 MA's), (8, 39500), (12, 39548), (16, 39596), (18, 39659), (22, 39803), (23, 39827), (24, 39842), (38, 39992), (40, 40007), (44, 40064), (45, 40076),

Gene: Mysticmoon_56 Start: 38307, Stop: 38939, Start Num: 6

Candidate Starts for Mysticmoon_56:

(Start: 6 @38307 has 47 MA's), (8, 38355), (12, 38403), (16, 38451), (18, 38514), (21, 38616), (22, 38658), (24, 38697), (27, 38754), (30, 38817), (37, 38838), (42, 38874), (44, 38910), (45, 38922),

Gene: Nadmeg_56 Start: 38679, Stop: 39314, Start Num: 6

Candidate Starts for Nadmeg_56:

(Start: 6 @38679 has 47 MA's), (18, 38886), (22, 39030), (44, 39285), (45, 39297),

Gene: Nithya_55 Start: 37534, Stop: 38172, Start Num: 6

Candidate Starts for Nithya_55:

(Start: 6 @37534 has 47 MA's), (18, 37741), (19, 37747), (22, 37885), (35, 38065), (44, 38143), (45, 38155),

Gene: NoPickles_53 Start: 36141, Stop: 36737, Start Num: 7

Candidate Starts for NoPickles_53:

(Start: 6 @36138 has 47 MA's), (Start: 7 @36141 has 5 MA's), (13, 36240), (18, 36345), (22, 36489), (31, 36639), (36, 36654), (45, 36723),

Gene: Odesza_53 Start: 36528, Stop: 37145, Start Num: 6

Candidate Starts for Odesza_53:

(Start: 6 @36528 has 47 MA's), (Start: 7 @36531 has 5 MA's), (13, 36630), (18, 36735), (22, 36879), (45, 37131),

Gene: OhMyWard_53 Start: 38645, Stop: 39286, Start Num: 6

Candidate Starts for OhMyWard_53:

(Start: 6 @38645 has 47 MA's), (8, 38693), (12, 38741), (16, 38789), (18, 38852), (22, 38996), (23, 39020), (24, 39035), (27, 39092), (38, 39185), (40, 39200), (44, 39257), (45, 39269),

Gene: OlgasClover_56 Start: 38677, Stop: 39315, Start Num: 6

Candidate Starts for OlgasClover_56:

(Start: 6 @38677 has 47 MA's), (18, 38884), (19, 38890), (22, 39028), (35, 39208), (44, 39286), (45, 39298),

Gene: PestoPenguin_58 Start: 37709, Stop: 38344, Start Num: 6

Candidate Starts for PestoPenguin_58:

(Start: 6 @37709 has 47 MA's), (18, 37916), (22, 38060), (44, 38315), (45, 38327),

Gene: Petito_56 Start: 38630, Stop: 39244, Start Num: 6

Candidate Starts for Petito_56:

(Start: 6 @38630 has 47 MA's), (Start: 7 @38633 has 5 MA's), (18, 38837), (22, 38981), (26, 39050), (27, 39077), (28, 39116), (33, 39137), (39, 39152), (45, 39230),

Gene: Phepper_56 Start: 37695, Stop: 38330, Start Num: 6

Candidate Starts for Phepper_56:

(Start: 6 @37695 has 47 MA's), (18, 37902), (22, 38046), (44, 38301), (45, 38313),

Gene: Pherobrine_56 Start: 38600, Stop: 39232, Start Num: 6

Candidate Starts for Pherobrine_56:

(Start: 6 @38600 has 47 MA's), (8, 38648), (12, 38696), (16, 38744), (18, 38807), (21, 38909), (22, 38951), (24, 38990), (27, 39047), (30, 39110), (37, 39131), (42, 39167), (44, 39203), (45, 39215),

Gene: Rickmore_51 Start: 35485, Stop: 36111, Start Num: 6

Candidate Starts for Rickmore_51:

(Start: 6 @35485 has 47 MA's), (17, 35644), (18, 35692), (20, 35737), (22, 35836), (25, 35899), (34, 36004), (38, 36013), (45, 36094),

Gene: Roney_54 Start: 36826, Stop: 37425, Start Num: 6

Candidate Starts for Roney_54:

(Start: 6 @36826 has 47 MA's), (Start: 7 @36829 has 5 MA's), (13, 36928), (18, 37033), (22, 37177), (31, 37327), (36, 37342), (45, 37411),

Gene: Runhaar_55 Start: 37495, Stop: 38130, Start Num: 6

Candidate Starts for Runhaar_55:

(Start: 6 @37495 has 47 MA's), (18, 37702), (22, 37846), (44, 38101), (45, 38113),

Gene: Secretariat_54 Start: 36535, Stop: 37155, Start Num: 6

Candidate Starts for Secretariat_54:

(Start: 6 @36535 has 47 MA's), (15, 36673), (18, 36742), (22, 36886), (44, 37126), (45, 37138),

Gene: ShaggyRogers_55 Start: 37445, Stop: 38080, Start Num: 6

Candidate Starts for ShaggyRogers_55:

(Start: 6 @37445 has 47 MA's), (18, 37652), (22, 37796), (44, 38051), (45, 38063),

Gene: Tairn4Wing_56 Start: 36785, Stop: 37402, Start Num: 6

Candidate Starts for Tairn4Wing_56:

(Start: 6 @36785 has 47 MA's), (Start: 7 @36788 has 5 MA's), (18, 36992), (22, 37136), (39, 37310), (45, 37388),

Gene: Tanis_54 Start: 36646, Stop: 37245, Start Num: 6

Candidate Starts for Tanis_54:

(Start: 6 @36646 has 47 MA's), (Start: 7 @36649 has 5 MA's), (13, 36748), (18, 36853), (22, 36997), (31, 37147), (36, 37162), (45, 37231),

Gene: TenaciousP_55 Start: 39058, Stop: 39696, Start Num: 6

Candidate Starts for TenaciousP_55:

(Start: 6 @39058 has 47 MA's), (18, 39265), (19, 39271), (22, 39409), (35, 39589), (44, 39667), (45, 39679),

Gene: Tonaltzin_58 Start: 37628, Stop: 38266, Start Num: 6

Candidate Starts for Tonaltzin_58:

(Start: 6 @37628 has 47 MA's), (18, 37835), (19, 37841), (22, 37979), (35, 38159), (44, 38237), (45, 38249),

Gene: Trufflozitus_58 Start: 37308, Stop: 37925, Start Num: 6

Candidate Starts for Trufflozitus_58:

(Start: 6 @37308 has 47 MA's), (Start: 7 @37311 has 5 MA's), (18, 37515), (22, 37659), (39, 37833), (45, 37911),

Gene: Untouchable_56 Start: 38044, Stop: 38679, Start Num: 6

Candidate Starts for Untouchable_56:

(Start: 6 @38044 has 47 MA's), (18, 38251), (22, 38395), (44, 38650), (45, 38662),

Gene: Vardy_54 Start: 37385, Stop: 38020, Start Num: 6

Candidate Starts for Vardy_54:

(Start: 6 @37385 has 47 MA's), (18, 37592), (22, 37736), (44, 37991), (45, 38003),

Gene: Zeph_57 Start: 38532, Stop: 39167, Start Num: 6

Candidate Starts for Zeph_57:

(Start: 6 @38532 has 47 MA's), (18, 38739), (20, 38784), (21, 38841), (22, 38883), (44, 39138), (45, 39150),