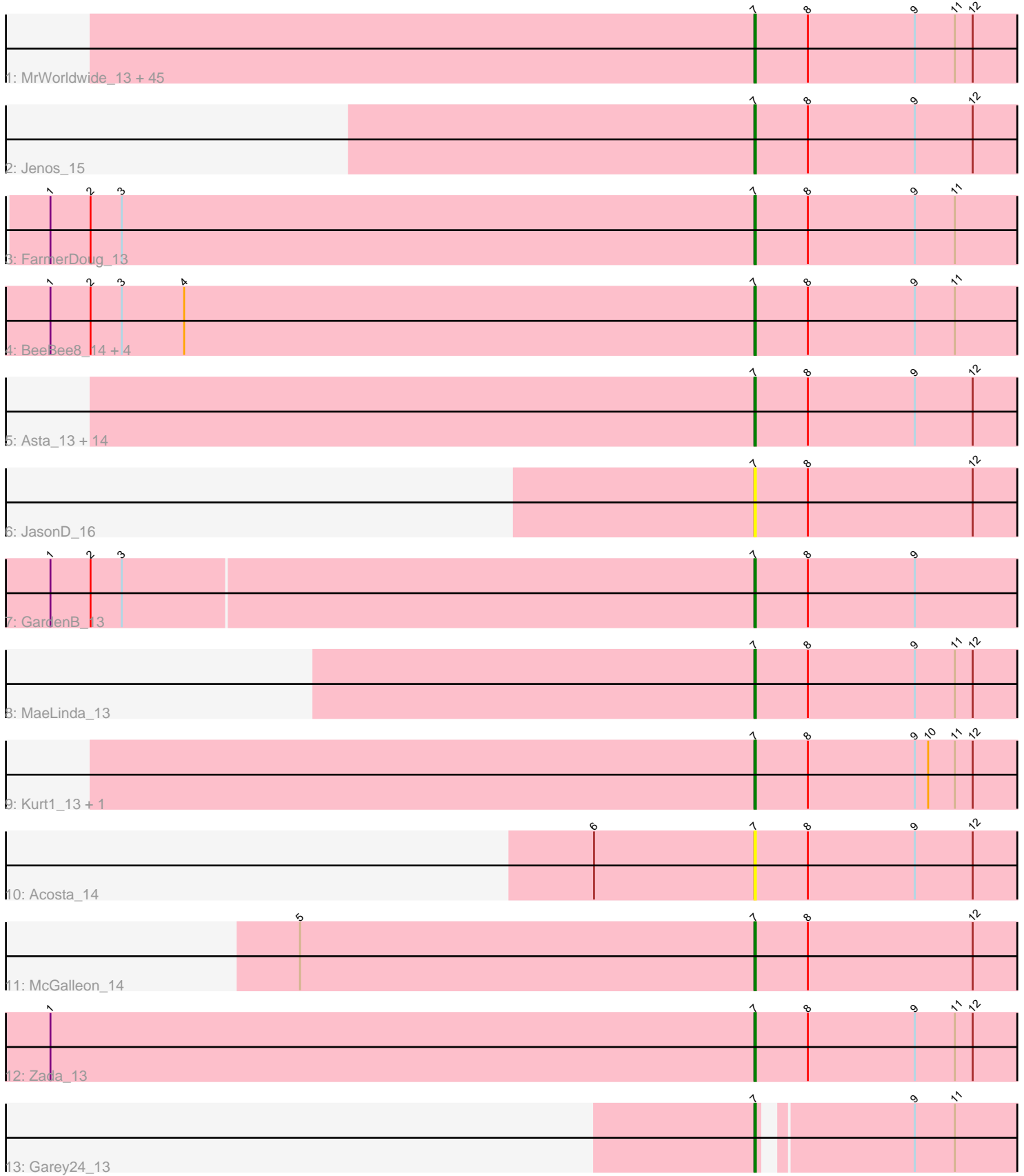


Pham 171415



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 171415 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171415 has 77 members, 9 are drafts.

Phages represented in each track:

- Track 1 : MrWorldwide_13, AranulaLuti_13, OldNelly_13, HanSolo_13, Nagem_13, TatarkaPM_13, JasperRussell_13, Papafritta_13, SJay_13, Rapheph_13, ParleG_13, BeautPeep30_13, PhredFlintston_13, Stanktossa_13, StirfryIV_13, Benjalauren_13, Shee_13, Janus167_13, Ilzat_13, Duocatuli_13, StingRay_13, KannH_13, Jerbirus_13, Riyhil_13, Gubbabump_13, Inventa_13, JeriBeth_13, Gargoyle_13, Clancy_13, TinSulphur_13, NickSell_13, Phriends_13, HankSprout_14, Dothraki_13, Teagan_13, Martin_14, Winzigespinne_13, Chako_13, Byron23_12, Bandik_13, HungryHenry_13, Phireproof_13, Rog141_13, Phiderman_13, Ludgate_13, Sedgewig_13
- Track 2 : Jenos_15
- Track 3 : FarmerDoug_13
- Track 4 : BeeBee8_14, Raccoon_13, Redfield_13, Schnapsidee_13, Peppino_13
- Track 5 : Asta_13, Espinosa_13, Gershwin_13, Aubergine_13, ManRay_13, Christoph_13, MillyPhilly_13, Tenda_13, Oats_13, TeddyBear_13, Bonino_13, SoilGremlin_13, Kale_13, Pocket_13, Delphidian_13
- Track 6 : JasonD_16
- Track 7 : GardenB_13
- Track 8 : MaeLinda_13
- Track 9 : Kurt1_13, Pherferi_13
- Track 10 : Acosta_14
- Track 11 : McGalleon_14
- Track 12 : Zada_13
- Track 13 : Garey24_13

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

The start number called the most often in the published annotations is 7, it was called in 68 of the 68 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acosta_14, AranulaLuti_13, Asta_13, Aubergine_13, Bandik_13, BeautPeep30_13, BeeBee8_14, Benjalauren_13, Bonino_13, Byron23_12, Chako_13, Christoph_13, Clancy_13, Delphidian_13, Dothraki_13, Duocatuli_13, Espinosa_13, FarmerDoug_13, GardenB_13, Garey24_13, Gargoyle_13, Gershwin_13,

Gubbabump_13, HanSolo_13, HankSprout_14, HungryHenry_13, Ilzat_13, Inventa_13, Janus167_13, JasonD_16, JasperRussell_13, Jenos_15, Jerbirus_13, JeriBeth_13, Kale_13, KannH_13, Kurt1_13, Ludgate_13, MaeLinda_13, ManRay_13, Martin_14, McGalleon_14, MillyPhilly_13, MrWorldwide_13, Nagem_13, NickSell_13, Oats_13, OldNelly_13, Papafritta_13, ParleG_13, Peppino_13, Pherferi_13, Phiderman_13, Phireproof_13, PhredFlintston_13, Phriends_13, Pocket_13, Raccoon_13, Rapheph_13, Redfield_13, Riyhil_13, Rog141_13, SJay_13, Schnapsidee_13, Sedgewig_13, Shee_13, SoilGremlin_13, Stanktossa_13, StingRay_13, StirfryIV_13, TatarkaPM_13, Teagan_13, TeddyBear_13, Tenda_13, TinSulphur_13, Winzigespinne_13, Zada_13,

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 7:

- Found in 77 of 77 (100.0%) of genes in pham
- Manual Annotations of this start: 68 of 68
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acosta_14 (EA1), AranulaLuti_13 (EA1), Asta_13 (EA1), Aubergine_13 (EA1), Bandik_13 (EA1), BeautPeep30_13 (EA1), BeeBee8_14 (EA1), Benjalaren_13 (EA1), Bonino_13 (EA1), Byron23_12 (EA1), Chako_13 (EA1), Christoph_13 (EA1), Clancy_13 (EA1), Delphidian_13 (EA1), Dothraki_13 (EA1), Duocatuli_13 (EA1), Espinosa_13 (EA1), FarmerDoug_13 (EA1), GardenB_13 (EA1), Garey24_13 (EA1), Gargoyle_13 (EA1), Gershwin_13 (EA1), Gubbabump_13 (EA1), HanSolo_13 (EA1), HankSprout_14 (EA1), HungryHenry_13 (EA1), Ilzat_13 (EA1), Inventa_13 (EA1), Janus167_13 (EA1), JasonD_16 (EA1), JasperRussell_13 (EA1), Jenos_15 (EA1), Jerbirus_13 (EA1), JeriBeth_13 (EA1), Kale_13 (EA1), KannH_13 (EA1), Kurt1_13 (EA1), Ludgate_13 (EA1), MaeLinda_13 (EA1), ManRay_13 (EA1), Martin_14 (EA1), McGalleon_14 (EA1), MillyPhilly_13 (EA1), MrWorldwide_13 (EA1), Nagem_13 (EA1), NickSell_13 (EA1), Oats_13 (EA1), OldNelly_13 (EA1), Papafritta_13 (EA1), ParleG_13 (EA1), Peppino_13 (EA1), Pherferi_13 (EA1), Phiderman_13 (EA1), Phireproof_13 (EA1), PhredFlintston_13 (EA1), Phriends_13 (EA1), Pocket_13 (EA1), Raccoon_13 (EA1), Rapheph_13 (EA1), Redfield_13 (EA1), Riyhil_13 (EA1), Rog141_13 (EA1), SJay_13 (EA1), Schnapsidee_13 (EA1), Sedgewig_13 (EA1), Shee_13 (EA1), SoilGremlin_13 (EA1), Stanktossa_13 (EA1), StingRay_13 (EA1), StirfryIV_13 (EA1), TatarkaPM_13 (EA1), Teagan_13 (EA1), TeddyBear_13 (EA1), Tenda_13 (EA1), TinSulphur_13 (EA1), Winzigespinne_13 (EA1), Zada_13 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:

- Start number 7 was manually annotated 68 times for cluster EA1.

Gene Information:

Gene: Acosta_14 Start: 7873, Stop: 8103, Start Num: 7

Candidate Starts for Acosta_14:

(6, 7765), (Start: 7 @7873 has 68 MA's), (8, 7909), (9, 7981), (12, 8020),

Gene: AranulaLuti_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for AranulaLuti_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Asta_13 Start: 7909, Stop: 8145, Start Num: 7

Candidate Starts for Asta_13:

(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: Aubergine_13 Start: 7909, Stop: 8145, Start Num: 7

Candidate Starts for Aubergine_13:

(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: Bandik_13 Start: 7600, Stop: 7836, Start Num: 7

Candidate Starts for Bandik_13:

(Start: 7 @7600 has 68 MA's), (8, 7636), (9, 7708), (11, 7735), (12, 7747),

Gene: BeautPeep30_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for BeautPeep30_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: BeeBee8_14 Start: 8174, Stop: 8413, Start Num: 7

Candidate Starts for BeeBee8_14:

(1, 7700), (2, 7727), (3, 7748), (4, 7790), (Start: 7 @8174 has 68 MA's), (8, 8210), (9, 8282), (11, 8309),

Gene: Benjalauren_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for Benjalauren_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Bonino_13 Start: 7886, Stop: 8122, Start Num: 7

Candidate Starts for Bonino_13:

(Start: 7 @7886 has 68 MA's), (8, 7922), (9, 7994), (12, 8033),

Gene: Byron23_12 Start: 7609, Stop: 7845, Start Num: 7

Candidate Starts for Byron23_12:

(Start: 7 @7609 has 68 MA's), (8, 7645), (9, 7717), (11, 7744), (12, 7756),

Gene: Chako_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for Chako_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Christoph_13 Start: 7907, Stop: 8143, Start Num: 7

Candidate Starts for Christoph_13:

(Start: 7 @7907 has 68 MA's), (8, 7943), (9, 8015), (12, 8054),

Gene: Clancy_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for Clancy_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Delphidian_13 Start: 7603, Stop: 7839, Start Num: 7

Candidate Starts for Delphidian_13:

(Start: 7 @7603 has 68 MA's), (8, 7639), (9, 7711), (12, 7750),

Gene: Dothraki_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for Dothraki_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Duocatuli_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for Duocatuli_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Espinosa_13 Start: 7907, Stop: 8143, Start Num: 7

Candidate Starts for Espinosa_13:

(Start: 7 @7907 has 68 MA's), (8, 7943), (9, 8015), (12, 8054),

Gene: FarmerDoug_13 Start: 7731, Stop: 7961, Start Num: 7

Candidate Starts for FarmerDoug_13:

(1, 7257), (2, 7284), (3, 7305), (Start: 7 @7731 has 68 MA's), (8, 7767), (9, 7839), (11, 7866),

Gene: GardenB_13 Start: 8002, Stop: 8238, Start Num: 7

Candidate Starts for GardenB_13:

(1, 7531), (2, 7558), (3, 7579), (Start: 7 @8002 has 68 MA's), (8, 8038), (9, 8110),

Gene: Garey24_13 Start: 7889, Stop: 8104, Start Num: 7

Candidate Starts for Garey24_13:

(Start: 7 @7889 has 68 MA's), (9, 7982), (11, 8009),

Gene: Gargoyle_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for Gargoyle_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Gershwin_13 Start: 7909, Stop: 8145, Start Num: 7

Candidate Starts for Gershwin_13:

(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: Gubbabump_13 Start: 7898, Stop: 8134, Start Num: 7

Candidate Starts for Gubbabump_13:

(Start: 7 @7898 has 68 MA's), (8, 7934), (9, 8006), (11, 8033), (12, 8045),

Gene: HanSolo_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for HanSolo_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: HankSprout_14 Start: 7776, Stop: 8012, Start Num: 7

Candidate Starts for HankSprout_14:

(Start: 7 @7776 has 68 MA's), (8, 7812), (9, 7884), (11, 7911), (12, 7923),

Gene: HungryHenry_13 Start: 7897, Stop: 8133, Start Num: 7

Candidate Starts for HungryHenry_13:

(Start: 7 @7897 has 68 MA's), (8, 7933), (9, 8005), (11, 8032), (12, 8044),

Gene: Ilzat_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Ilzat_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Inventa_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Inventa_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Janus167_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Janus167_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: JasonD_16 Start: 8034, Stop: 8264, Start Num: 7
Candidate Starts for JasonD_16:
(Start: 7 @8034 has 68 MA's), (8, 8070), (12, 8181),

Gene: JasperRussell_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for JasperRussell_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Jenos_15 Start: 8355, Stop: 8591, Start Num: 7
Candidate Starts for Jenos_15:
(Start: 7 @8355 has 68 MA's), (8, 8391), (9, 8463), (12, 8502),

Gene: Jerbirus_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Jerbirus_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: JeriBeth_13 Start: 7743, Stop: 7979, Start Num: 7
Candidate Starts for JeriBeth_13:
(Start: 7 @7743 has 68 MA's), (8, 7779), (9, 7851), (11, 7878), (12, 7890),

Gene: Kale_13 Start: 7911, Stop: 8147, Start Num: 7
Candidate Starts for Kale_13:
(Start: 7 @7911 has 68 MA's), (8, 7947), (9, 8019), (12, 8058),

Gene: KannH_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for KannH_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Kurt1_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Kurt1_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (10, 7723), (11, 7741), (12, 7753),

Gene: Ludgate_13 Start: 7600, Stop: 7836, Start Num: 7
Candidate Starts for Ludgate_13:
(Start: 7 @7600 has 68 MA's), (8, 7636), (9, 7708), (11, 7735), (12, 7747),

Gene: MaeLinda_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for MaeLinda_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: ManRay_13 Start: 7909, Stop: 8145, Start Num: 7
Candidate Starts for ManRay_13:
(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: Martin_14 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Martin_14:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: McGalleon_14 Start: 8474, Stop: 8710, Start Num: 7
Candidate Starts for McGalleon_14:
(5, 8168), (Start: 7 @8474 has 68 MA's), (8, 8510), (12, 8621),

Gene: MillyPhilly_13 Start: 7603, Stop: 7839, Start Num: 7
Candidate Starts for MillyPhilly_13:
(Start: 7 @7603 has 68 MA's), (8, 7639), (9, 7711), (12, 7750),

Gene: MrWorldwide_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for MrWorldwide_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Nagem_13 Start: 7600, Stop: 7836, Start Num: 7
Candidate Starts for Nagem_13:
(Start: 7 @7600 has 68 MA's), (8, 7636), (9, 7708), (11, 7735), (12, 7747),

Gene: NickSell_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for NickSell_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Oats_13 Start: 7909, Stop: 8145, Start Num: 7
Candidate Starts for Oats_13:
(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: OldNelly_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for OldNelly_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Papafritta_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Papafritta_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: ParleG_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for ParleG_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Peppino_13 Start: 8002, Stop: 8241, Start Num: 7
Candidate Starts for Peppino_13:
(1, 7528), (2, 7555), (3, 7576), (4, 7618), (Start: 7 @8002 has 68 MA's), (8, 8038), (9, 8110), (11, 8137),

Gene: Pherferi_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Pherferi_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (10, 7723), (11, 7741), (12, 7753),

Gene: Phiderman_13 Start: 7603, Stop: 7839, Start Num: 7
Candidate Starts for Phiderman_13:
(Start: 7 @7603 has 68 MA's), (8, 7639), (9, 7711), (11, 7738), (12, 7750),

Gene: Phireproof_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Phireproof_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: PhredFlintston_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for PhredFlintston_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Phriends_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Phriends_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Pocket_13 Start: 7894, Stop: 8130, Start Num: 7
Candidate Starts for Pocket_13:
(Start: 7 @7894 has 68 MA's), (8, 7930), (9, 8002), (12, 8041),

Gene: Raccoon_13 Start: 8008, Stop: 8247, Start Num: 7
Candidate Starts for Raccoon_13:
(1, 7534), (2, 7561), (3, 7582), (4, 7624), (Start: 7 @8008 has 68 MA's), (8, 8044), (9, 8116), (11, 8143),

Gene: Rapheph_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Rapheph_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Redfield_13 Start: 8010, Stop: 8249, Start Num: 7
Candidate Starts for Redfield_13:
(1, 7536), (2, 7563), (3, 7584), (4, 7626), (Start: 7 @8010 has 68 MA's), (8, 8046), (9, 8118), (11, 8145),

Gene: Riyhil_13 Start: 7606, Stop: 7842, Start Num: 7
Candidate Starts for Riyhil_13:
(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Rog141_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Rog141_13:
(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: SJay_13 Start: 7601, Stop: 7837, Start Num: 7
Candidate Starts for SJay_13:
(Start: 7 @7601 has 68 MA's), (8, 7637), (9, 7709), (11, 7736), (12, 7748),

Gene: Schnapsidee_13 Start: 8001, Stop: 8240, Start Num: 7
Candidate Starts for Schnapsidee_13:
(1, 7527), (2, 7554), (3, 7575), (4, 7617), (Start: 7 @8001 has 68 MA's), (8, 8037), (9, 8109), (11, 8136),

Gene: Sedgewig_13 Start: 7896, Stop: 8132, Start Num: 7
Candidate Starts for Sedgewig_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: Shee_13 Start: 7603, Stop: 7839, Start Num: 7

Candidate Starts for Shee_13:

(Start: 7 @7603 has 68 MA's), (8, 7639), (9, 7711), (11, 7738), (12, 7750),

Gene: SoilGremlin_13 Start: 7603, Stop: 7839, Start Num: 7

Candidate Starts for SoilGremlin_13:

(Start: 7 @7603 has 68 MA's), (8, 7639), (9, 7711), (12, 7750),

Gene: Stanktossa_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for Stanktossa_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: StingRay_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for StingRay_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: StirfryIV_13 Start: 7896, Stop: 8132, Start Num: 7

Candidate Starts for StirfryIV_13:

(Start: 7 @7896 has 68 MA's), (8, 7932), (9, 8004), (11, 8031), (12, 8043),

Gene: TatarkaPM_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for TatarkaPM_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Teagan_13 Start: 7600, Stop: 7836, Start Num: 7

Candidate Starts for Teagan_13:

(Start: 7 @7600 has 68 MA's), (8, 7636), (9, 7708), (11, 7735), (12, 7747),

Gene: TeddyBear_13 Start: 7909, Stop: 8145, Start Num: 7

Candidate Starts for TeddyBear_13:

(Start: 7 @7909 has 68 MA's), (8, 7945), (9, 8017), (12, 8056),

Gene: Tenda_13 Start: 7907, Stop: 8143, Start Num: 7

Candidate Starts for Tenda_13:

(Start: 7 @7907 has 68 MA's), (8, 7943), (9, 8015), (12, 8054),

Gene: TinSulphur_13 Start: 7606, Stop: 7842, Start Num: 7

Candidate Starts for TinSulphur_13:

(Start: 7 @7606 has 68 MA's), (8, 7642), (9, 7714), (11, 7741), (12, 7753),

Gene: Winzigespinne_13 Start: 7895, Stop: 8131, Start Num: 7

Candidate Starts for Winzigespinne_13:

(Start: 7 @7895 has 68 MA's), (8, 7931), (9, 8003), (11, 8030), (12, 8042),

Gene: Zada_13 Start: 7597, Stop: 7833, Start Num: 7

Candidate Starts for Zada_13:

(1, 7123), (Start: 7 @7597 has 68 MA's), (8, 7633), (9, 7705), (11, 7732), (12, 7744),