

Pham 291055



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 291055 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291055 has 87 members, 16 are drafts.

Phages represented in each track:

- Track 1 : CassieYates\_35, TinaBug\_35, Angel\_35, BruceB\_35, Coleslaw\_35, Richarlison\_35, Sweets\_35, Halo\_35, DNAIII\_0034, GoldenAsh\_35, Annihilator\_35, AzulaCat\_35, Maliketh\_35, BPs\_35, Kareem\_35, Phloodle\_35, Jeilious\_35, Frosty24\_35, ShaboiShabazz\_35, Cherrybomb426\_35, Neoh\_35, DingDing\_35, Cedasite\_35, LouisV14\_37, Plagueis\_35, Grizzly\_35, Aroostook\_35, Jane\_35, Hope\_35, Zombie\_35, Peeb\_35, MZKinsey\_35, Crespo\_35, Darionha\_35, Mowgli\_35, TomBrady\_35, Chance64\_35, ECartman\_35, DMoney\_35, Marmie\_35, OctaviousRex\_35, Ruriko\_35, Wendigo\_35, Renaissance\_35, Camri\_35, JorRay\_35, Gideon\_35, Phreak\_35, Rattrick\_35, Remy19\_35, CLED96\_35, Periodt\_35, Avrafan\_35, AizenPogi\_35, Jonghyun\_35, ZoMa\_35, Gomashi\_35, Schiebel\_35, PinkYoshi\_35, Hotshotbaby7\_35, Olga\_35, Jolene\_35, Phish\_35, BQuat\_35
- Track 2 : Terror\_35, Taheera\_35
- Track 3 : Barkley26\_35
- Track 4 : Paito\_35
- Track 5 : Rabbs\_35, Sneeze\_35
- Track 6 : Kasen3\_35, Sizemore\_35
- Track 7 : Liefie\_35
- Track 8 : FlagStaff\_32
- Track 9 : Avocado\_32
- Track 10 : Pace1224\_32
- Track 11 : Cambiare\_33
- Track 12 : GodSpeed\_33
- Track 13 : Cloudyecho\_33
- Track 14 : MOOREtheMARYer\_34
- Track 15 : Pinnie\_34
- Track 16 : Lemuria\_34
- Track 17 : Mercurio\_35
- Track 18 : Jolie2\_33
- Track 19 : Stargaze\_33, YangYin\_33
- Track 20 : Antsirabe\_33

***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 71 of the 71 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AizenPogi\_35, Angel\_35, Annihilator\_35, Antsirabe\_33, Aroostook\_35, Avocado\_32, Avrafan\_35, AzulaCat\_35, BPs\_35, BQuat\_35, Barkley26\_35, BruceB\_35, CLED96\_35, Cambiare\_33, Camri\_35, CassieYates\_35, Cedasite\_35, Chance64\_35, Cherrybomb426\_35, Coleslaw\_35, Crespo\_35, DMoney\_35, DNAIII\_0034, Darionha\_35, DingDing\_35, ECartman\_35, FlagStaff\_32, Frosty24\_35, Gideon\_35, GodSpeed\_33, GoldenAsh\_35, Gomashi\_35, Grizzly\_35, Halo\_35, Hope\_35, Hotshotbaby7\_35, Jane\_35, Jeilious\_35, Jolene\_35, Jolie2\_33, Jonghyun\_35, JorRay\_35, Kareem\_35, Kasen3\_35, Lemuria\_34, Liefie\_35, LouisV14\_37, MOOREtheMARYer\_34, MZKinsey\_35, Maliketh\_35, Marmie\_35, Mercurio\_35, Mowgli\_35, Neoh\_35, OctaviousRex\_35, Olga\_35, Pace1224\_32, Paito\_35, Peeb\_35, Periodt\_35, Phish\_35, Phloodle\_35, Phreak\_35, PinkYoshi\_35, Pinnie\_34, Plagueis\_35, Rabbs\_35, Rattrick\_35, Remy19\_35, Renaissance\_35, Richarlison\_35, Ruriko\_35, Schiebel\_35, ShaboiShabazz\_35, Sizemore\_35, Sneeze\_35, Stargaze\_33, Sweets\_35, Taheera\_35, Terror\_35, TinaBug\_35, TomBrady\_35, Wendigo\_35, YangYin\_33, ZoMa\_35, Zombie\_35,

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

- Cloudyecho\_33,

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

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### Summary by start number:

Start 5:

- Found in 87 of 87 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 71 of 71
- Called 98.9% of time when present
- Phage (with cluster) where this start called: AizenPogi\_35 (G1), Angel\_35 (G1), Annihilator\_35 (G1), Antsirabe\_33 (G5), Aroostook\_35 (G1), Avocado\_32 (G2), Avrafan\_35 (G1), AzulaCat\_35 (G1), BPs\_35 (G1), BQuat\_35 (G1), Barkley26\_35 (G1), BruceB\_35 (G1), CLED96\_35 (G1), Cambiare\_33 (G2), Camri\_35 (G1), CassieYates\_35 (G1), Cedasite\_35 (G1), Chance64\_35 (G1), Cherrybomb426\_35 (G1), Coleslaw\_35 (G1), Crespo\_35 (G1), DMoney\_35 (G1), DNAIII\_0034 (G1), Darionha\_35 (G1), DingDing\_35 (G1), ECartman\_35 (G1), FlagStaff\_32 (G2), Frosty24\_35 (G1), Gideon\_35 (G1), GodSpeed\_33 (G2), GoldenAsh\_35 (G1), Gomashi\_35 (G1), Grizzly\_35 (G1), Halo\_35 (G1), Hope\_35 (G1), Hotshotbaby7\_35 (G1), Jane\_35 (G1), Jeilious\_35 (G), Jolene\_35 (G1), Jolie2\_33 (G4), Jonghyun\_35 (G1), JorRay\_35 (G1), Kareem\_35 (G1), Kasen3\_35 (G1), Lemuria\_34 (G4), Liefie\_35 (G1), LouisV14\_37 (G1), MOOREtheMARYer\_34 (G3), MZKinsey\_35 (G1), Maliketh\_35 (G1), Marmie\_35 (G1), Mercurio\_35 (G4), Mowgli\_35 (G1), Neoh\_35 (G), OctaviousRex\_35 (G1), Olga\_35 (G1), Pace1224\_32 (G2), Paito\_35 (G1), Peeb\_35 (G1), Periodt\_35 (G1), Phish\_35 (G1), Phloodle\_35 (G1), Phreak\_35 (G1), PinkYoshi\_35 (G1), Pinnie\_34 (G3), Plagueis\_35 (G1), Rabbs\_35 (G1), Rattrick\_35 (G1), Remy19\_35 (G1), Renaissance\_35 (G1), Richarlison\_35 (G1), Ruriko\_35 (G1), Schiebel\_35 (G1), ShaboiShabazz\_35 (G1), Sizemore\_35 (G1), Sneeze\_35 (G1), Stargaze\_33 (G5), Sweets\_35 (G1), Taheera\_35 (G1), Terror\_35 (G1), TinaBug\_35 (G1), TomBrady\_35 (G1), Wendigo\_35 (G1), YangYin\_33 (G5), ZoMa\_35 (G1), Zombie\_35 (G1),

Start 7:

- Found in 4 of 87 ( 4.6% ) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Cloudyecho\_33 (G3),

**Summary by clusters:**

There are 6 clusters represented in this pham: G5, G4, G3, G2, G, G1,

Info for manual annotations of cluster G1:

- Start number 5 was manually annotated 62 times for cluster G1.

Info for manual annotations of cluster G2:

- Start number 5 was manually annotated 3 times for cluster G2.

Info for manual annotations of cluster G3:

- Start number 5 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:

- Start number 5 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:

- Start number 5 was manually annotated 2 times for cluster G5.

**Gene Information:**

Gene: AizenPogi\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for AizenPogi\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Angel\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Angel\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Annihilator\_35 Start: 29743, Stop: 30141, Start Num: 5

Candidate Starts for Annihilator\_35:

(Start: 5 @29743 has 71 MA's),

Gene: Antsirabe\_33 Start: 29804, Stop: 30169, Start Num: 5

Candidate Starts for Antsirabe\_33:

(Start: 5 @29804 has 71 MA's), (23, 30059), (24, 30065),

Gene: Aroostook\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Aroostook\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Avocado\_32 Start: 29799, Stop: 30224, Start Num: 5

Candidate Starts for Avocado\_32:

(1, 29535), (2, 29553), (Start: 5 @29799 has 71 MA's), (7, 29814), (14, 29937), (16, 29979), (20, 30036), (22, 30075),

Gene: Avrafan\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Avrafan\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: AzulaCat\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for AzulaCat\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: BPs\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for BPs\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: BQuat\_35 Start: 29743, Stop: 30141, Start Num: 5  
Candidate Starts for BQuat\_35:  
(Start: 5 @29743 has 71 MA's),

Gene: Barkley26\_35 Start: 29774, Stop: 30172, Start Num: 5  
Candidate Starts for Barkley26\_35:  
(Start: 5 @29774 has 71 MA's), (18, 29966),

Gene: BruceB\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for BruceB\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: CLED96\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for CLED96\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Cambiare\_33 Start: 30266, Stop: 30694, Start Num: 5  
Candidate Starts for Cambiare\_33:  
(Start: 5 @30266 has 71 MA's), (7, 30281), (15, 30446),

Gene: Camri\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Camri\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: CassieYates\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for CassieYates\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Cedasite\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Cedasite\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Chance64\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Chance64\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Cherrybomb426\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Cherrybomb426\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Cloudyecho\_33 Start: 30002, Stop: 30412, Start Num: 7

Candidate Starts for Cloudyecho\_33:

(Start: 5 @29987 has 71 MA's), (7, 30002), (28, 30377), (29, 30386),

Gene: Coleslaw\_35 Start: 29743, Stop: 30141, Start Num: 5

Candidate Starts for Coleslaw\_35:

(Start: 5 @29743 has 71 MA's),

Gene: Crespo\_35 Start: 29753, Stop: 30151, Start Num: 5

Candidate Starts for Crespo\_35:

(Start: 5 @29753 has 71 MA's),

Gene: DMoney\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for DMoney\_35:

(Start: 5 @29752 has 71 MA's),

Gene: DNAIII\_0034 Start: 28386, Stop: 28784, Start Num: 5

Candidate Starts for DNAIII\_0034:

(Start: 5 @28386 has 71 MA's),

Gene: Darionha\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Darionha\_35:

(Start: 5 @29752 has 71 MA's),

Gene: DingDing\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for DingDing\_35:

(Start: 5 @29752 has 71 MA's),

Gene: ECartman\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for ECartman\_35:

(Start: 5 @29752 has 71 MA's),

Gene: FlagStaff\_32 Start: 29586, Stop: 30014, Start Num: 5

Candidate Starts for FlagStaff\_32:

(Start: 5 @29586 has 71 MA's), (10, 29619), (12, 29661), (29, 29988),

Gene: Frosty24\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Frosty24\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Gideon\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Gideon\_35:

(Start: 5 @29752 has 71 MA's),

Gene: GodSpeed\_33 Start: 29609, Stop: 30040, Start Num: 5

Candidate Starts for GodSpeed\_33:

(Start: 5 @29609 has 71 MA's), (10, 29645), (12, 29687), (14, 29753), (16, 29795), (29, 30014),

Gene: GoldenAsh\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for GoldenAsh\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Gomashi\_35 Start: 29753, Stop: 30151, Start Num: 5  
Candidate Starts for Gomashi\_35:  
(Start: 5 @29753 has 71 MA's),

Gene: Grizzly\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Grizzly\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Halo\_35 Start: 29747, Stop: 30145, Start Num: 5  
Candidate Starts for Halo\_35:  
(Start: 5 @29747 has 71 MA's),

Gene: Hope\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Hope\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Hotshotbaby7\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Hotshotbaby7\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Jane\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Jane\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Jeilious\_35 Start: 29751, Stop: 30149, Start Num: 5  
Candidate Starts for Jeilious\_35:  
(Start: 5 @29751 has 71 MA's),

Gene: Jolene\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Jolene\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Jolie2\_33 Start: 28664, Stop: 29023, Start Num: 5  
Candidate Starts for Jolie2\_33:  
(Start: 5 @28664 has 71 MA's), (19, 28853), (20, 28871), (21, 28898), (22, 28910), (24, 28934), (26, 28946),

Gene: Jonghyun\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Jonghyun\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: JorRay\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for JorRay\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Kareem\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Kareem\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Kasen3\_35 Start: 29753, Stop: 30151, Start Num: 5  
Candidate Starts for Kasen3\_35:  
(Start: 5 @29753 has 71 MA's), (24, 30041),

Gene: Lemuria\_34 Start: 29730, Stop: 30224, Start Num: 5  
Candidate Starts for Lemuria\_34:  
(Start: 5 @29730 has 71 MA's), (9, 29748), (13, 29838), (14, 29889), (16, 29931), (20, 29988),

Gene: Liefie\_35 Start: 29750, Stop: 30148, Start Num: 5  
Candidate Starts for Liefie\_35:  
(Start: 5 @29750 has 71 MA's),

Gene: LouisV14\_37 Start: 32017, Stop: 32415, Start Num: 5  
Candidate Starts for LouisV14\_37:  
(Start: 5 @32017 has 71 MA's),

Gene: MOOREtheMARYer\_34 Start: 30081, Stop: 30512, Start Num: 5  
Candidate Starts for MOOREtheMARYer\_34:  
(Start: 5 @30081 has 71 MA's), (7, 30096), (14, 30219), (16, 30261), (23, 30375),

Gene: MZKinsey\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for MZKinsey\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Maliketh\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Maliketh\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Marmie\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Marmie\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Mercurio\_35 Start: 30249, Stop: 30689, Start Num: 5  
Candidate Starts for Mercurio\_35:  
(3, 30009), (4, 30198), (Start: 5 @30249 has 71 MA's), (9, 30267), (13, 30357), (14, 30408), (19, 30489), (20, 30507),

Gene: Mowgli\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Mowgli\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Neoh\_35 Start: 29744, Stop: 30142, Start Num: 5  
Candidate Starts for Neoh\_35:  
(Start: 5 @29744 has 71 MA's),

Gene: OctaviousRex\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for OctaviousRex\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Olga\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Olga\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Pace1224\_32 Start: 29586, Stop: 30014, Start Num: 5  
Candidate Starts for Pace1224\_32:  
(Start: 5 @29586 has 71 MA's), (10, 29619), (12, 29661), (29, 29988),

Gene: Paito\_35 Start: 29933, Stop: 30331, Start Num: 5  
Candidate Starts for Paito\_35:  
(Start: 5 @29933 has 71 MA's), (6, 29936), (17, 30110),

Gene: Peeb\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Peeb\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Periodt\_35 Start: 29743, Stop: 30141, Start Num: 5  
Candidate Starts for Periodt\_35:  
(Start: 5 @29743 has 71 MA's),

Gene: Phish\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Phish\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Phloodle\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Phloodle\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Phreak\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Phreak\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: PinkYoshi\_35 Start: 29743, Stop: 30141, Start Num: 5  
Candidate Starts for PinkYoshi\_35:  
(Start: 5 @29743 has 71 MA's),

Gene: Pinnie\_34 Start: 30452, Stop: 30880, Start Num: 5  
Candidate Starts for Pinnie\_34:  
(Start: 5 @30452 has 71 MA's), (14, 30593), (24, 30755),

Gene: Plagueis\_35 Start: 29587, Stop: 29985, Start Num: 5  
Candidate Starts for Plagueis\_35:  
(Start: 5 @29587 has 71 MA's),

Gene: Rabbs\_35 Start: 29835, Stop: 30233, Start Num: 5  
Candidate Starts for Rabbs\_35:  
(Start: 5 @29835 has 71 MA's), (6, 29838), (8, 29856),

Gene: Rattrick\_35 Start: 29743, Stop: 30141, Start Num: 5  
Candidate Starts for Rattrick\_35:  
(Start: 5 @29743 has 71 MA's),

Gene: Remy19\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Remy19\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Renaissance\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Renaissance\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Richarlison\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Richarlison\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Ruriko\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Ruriko\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Schiebel\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Schiebel\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: ShaboiShabazz\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for ShaboiShabazz\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: Sizemore\_35 Start: 29753, Stop: 30151, Start Num: 5  
Candidate Starts for Sizemore\_35:  
(Start: 5 @29753 has 71 MA's), (24, 30041),

Gene: Sneeze\_35 Start: 29834, Stop: 30232, Start Num: 5  
Candidate Starts for Sneeze\_35:  
(Start: 5 @29834 has 71 MA's), (6, 29837), (8, 29855),

Gene: Stargaze\_33 Start: 29835, Stop: 30212, Start Num: 5  
Candidate Starts for Stargaze\_33:  
(Start: 5 @29835 has 71 MA's), (11, 29895), (23, 30099), (24, 30105), (25, 30108), (27, 30180),

Gene: Sweets\_35 Start: 29747, Stop: 30145, Start Num: 5  
Candidate Starts for Sweets\_35:  
(Start: 5 @29747 has 71 MA's),

Gene: Taheera\_35 Start: 29870, Stop: 30268, Start Num: 5  
Candidate Starts for Taheera\_35:  
(Start: 5 @29870 has 71 MA's), (6, 29873),

Gene: Terror\_35 Start: 29870, Stop: 30268, Start Num: 5  
Candidate Starts for Terror\_35:  
(Start: 5 @29870 has 71 MA's), (6, 29873),

Gene: TinaBug\_35 Start: 29747, Stop: 30145, Start Num: 5  
Candidate Starts for TinaBug\_35:  
(Start: 5 @29747 has 71 MA's),

Gene: TomBrady\_35 Start: 29753, Stop: 30151, Start Num: 5  
Candidate Starts for TomBrady\_35:  
(Start: 5 @29753 has 71 MA's),

Gene: Wendigo\_35 Start: 29752, Stop: 30150, Start Num: 5  
Candidate Starts for Wendigo\_35:  
(Start: 5 @29752 has 71 MA's),

Gene: YangYin\_33 Start: 29861, Stop: 30238, Start Num: 5

Candidate Starts for YangYin\_33:

(Start: 5 @29861 has 71 MA's), (11, 29921), (23, 30125), (24, 30131), (25, 30134), (27, 30206),

Gene: ZoMa\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for ZoMa\_35:

(Start: 5 @29752 has 71 MA's),

Gene: Zombie\_35 Start: 29752, Stop: 30150, Start Num: 5

Candidate Starts for Zombie\_35:

(Start: 5 @29752 has 71 MA's),